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WPD TRIOLO S.r.l.

PROGETTO PER LA REALIZZAZIONE DI UN IMPIANTO PER LA PRODUZIONE DI ENERGIA MEDIANTE LO SFRUTTAMENTO DEL VENTO NEL TERRITORIO COMUNALE DI SAN SEVERO (FG)

PROGETTO DEFINITIVO

prima emissione: febbraio 2020

REV.	DATA	DESCRIZIONE:

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SIA.ES. STUDI SPECIALISTICI

ES.6 ANALISI DELL'EVOLUZIONE DELL'OMBRA INDOTTA DAGLI AEROGENERATORI. SHADOW FLICKERING



PREMESSA

La presente relazione tecnica specialistica descrive l'evoluzione giornaliera delle ombre generate dalle pale eoliche facenti parte del progetto di un impianto eolico per la produzione di energia elettrica.

La proposta progettuale è finalizzata alla realizzazione di un impianto eolico per la produzione di energia elettrica da fonte rinnovabile eolica, costituito da 29 aerogeneratori, ciascuno di potenza nominale pari a 6,0 MW per una potenza complessiva di 174 MW, da realizzarsi nella Provincia di Foggia, nel territorio comunale di San Severo, in cui insistono gli aerogeneratori, le opere di connessione e la Sottostazione Elettrica.

DESCRIZIONE DELL' INTERVENTO

L'impianto di produzione sarà costituito da 29 aerogeneratori, ognuno della potenza di 6,0 MW ciascuno per una potenza complessiva di 174 MW. Le turbine in progetto saranno montate su torri tubolari di altezza (base-mozzo) pari a 165 m, con rotori a 3 pale ed aventi diametro massimo di 170 m. La colorazione della torre tubolare e delle pale del rotore sarà bianca e non riflettente.

Il posizionamento degli aerogeneratori nell'area di progetto è tale da evitare il cosiddetto effetto selva. La distanza minima tra aerogeneratori su una stessa fila è superiore a 3d (510 m), mentre la distanza tra aerogeneratori su file diverse è superiore a 5d (850 m). Si riportano di seguito le coordinate degli aerogeneratori di progetto nel sistema di riferimento UTM WGS84 Fuso 33:

WTG	Coordinate UTM WGS84 33N	
	<i>Est</i>	<i>Nord</i>
1	532 143.15	4 610 506.05
2	531 904.54	4 607 705.17
3	533 066.64	4 608 755.75
4	534 900.96	4 610 086.70
5	532 026.36	4 606 000.19
6	532 347.77	4 606 668.16
7	533 101.20	4 607 172.71
8	534 603.92	4 608 654.78
9	531 907.53	4 604 673.79
10	532 936.03	4 605 420.15
11	535 663.06	4 607 254.22
12	539 816.96	4 607 250.04
13	540 240.91	4 607 666.90
14	540 668.28	4 607 968.63
15	540 640.70	4 606 227.63

WTG	Coordinate UTM WGS84 33N	
	<i>Est</i>	<i>Nord</i>
16	540 815.77	4 606 741.84
17	541 278.83	4 607 024.20
18	542 171.68	4 607 731.73
19	541 505.72	4 606 087.10
20	542 238.78	4 606 593.33
21	542 679.06	4 606 940.28
22	541 726.58	4 608 627.91
23	536 614.61	4 611 810.47
24	537 212.18	4 611 205.89
25	537 959.84	4 610 693.16
26	538 797.73	4 611 648.39
27	538 182.53	4 609 756.19
28	538 659.99	4 610 165.40
29	539 637.83	4 610 898.44

ANALISI DELL'ESPOSIZIONE SOLARE ANNUALE

La posizione occupata nel cielo dal sole è compiutamente individuata mediante la misura di due coordinate angolari, azimut ed elevazione (altezza). L'azimut viene misurato, in senso orario, sul piano orizzontale, a partire dal nord geografico fino al punto sull'orizzonte direttamente sotto all'oggetto; l'elevazione, invece, viene misurata sul piano verticale, partendo da tale punto sino ad arrivare in corrispondenza dell'oggetto. A causa del moto della Terra intorno al sole, tali coordinate variano senza soluzione di continuità e la traiettoria descritta nel cielo dal sole è assimilabile ad un arco; ogni giorno si caratterizza per un proprio arco, il quale si discosta, se pur di poco, da quello del giorno immediatamente precedente e successivo. Ad ogni modo, si può affermare che un certo arco si ripete quasi esattamente ogni anno. Dicesi giorno l'intervallo di tempo nel quale giunge al suolo luce solare diretta per cui, la sua durata è pari al tempo che intercorre tra alba e tramonto.

La durata del giorno non coincide con la durata della luce naturale dato che sia prima dell'alba che dopo il tramonto sono rilevabili due periodi, chiamati entrambi crepuscolo (rispettivamente crepuscolo mattutino e crepuscolo serale o serotino), durante i quali giunge a terra una luce diffusa naturale fornita dai livelli più esterni dell'atmosfera i quali, trovandosi a quote più elevate, ricevono infatti luce solare diretta per un tempo più lungo riflettendola in parte verso la terra. Per quanto detto, la durata dell'illuminazione solare è pari alla somma della durata del giorno e della durata del crepuscolo mattutino e serale. Se non si verificasse il fenomeno descritto, il passaggio dal giorno alla notte e viceversa avverrebbe in maniera repentina.

VALUTAZIONE PREVENTIVA DELLE OMBRE GENERATE

Le turbine eoliche, come altre strutture spiccatamente sviluppate in altezza, proiettano un'ombra sulle aree adiacenti in presenza della luce solare diretta. In particolare si hanno fenomeni quasi statici legati alla presenza della torre fissa ed effetti dinamici legati alla rotazione del rotore con le sue tre pale.

Il primo fenomeno potrebbe avere come conseguenza l'incremento della probabilità di formazione di ghiaccio sulle strade asfaltate soggette a rilevante traffico (se presenti) in particolare nelle prime ed ultime ore del giorno.

Il secondo fenomeno è legato alla presenza di un osservatore posto in modo da vedere interposto il rotore tra sé e il sole. Si precisa che i fenomeni di ombreggiamento descritti attualmente non sono regolati da una specifica normativa. Ai fini della presente trattazione è stato preso in considerazione un modello tipologico di aerogeneratore avente un'altezza massima (altezza al mozzo + lunghezza della pala) pari a 200 m dato che l'apparecchio effettivamente installato non avrà un'altezza massima superiore a tale valore. È stato stimato l'effetto "flicker" prodotto dall'impianto eolico; trattasi di un fenomeno per cui si genera una intermittenza

dell'ombra (una sorta di effetto stroboscopico) a seguito del movimento del rotore dell'aerogeneratore quando in esercizio (in particolare quando il piano del rotore risulta perpendicolare alla congiungente tra l'osservatore e il sole), e che potrebbe risultare spiacevole per un osservatore. Per eseguire tale analisi è stato impiegato il software WindPRO. I risultati ottenuti sono riportati in allegato.

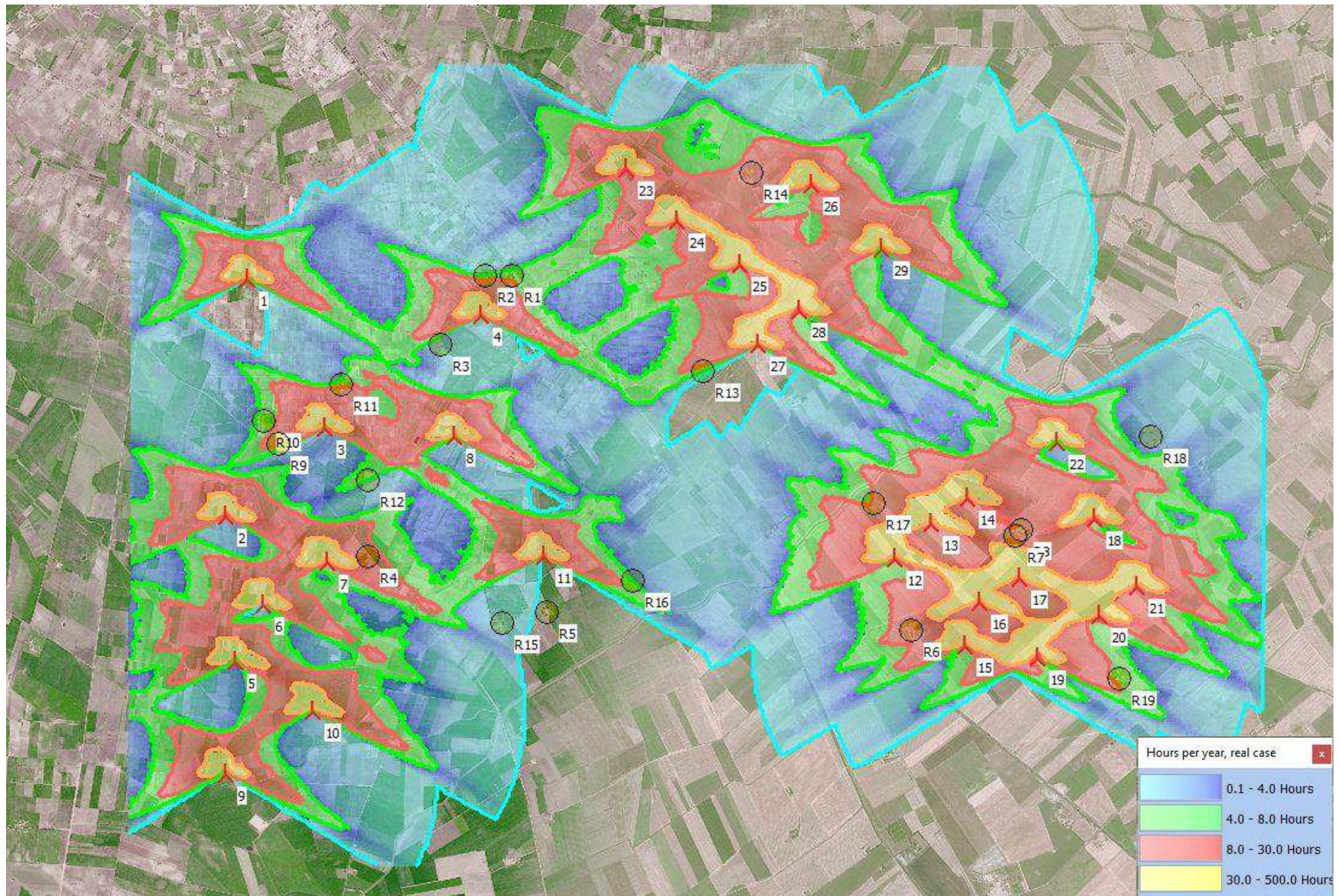
Nel calcolo sono state assunte le seguenti ipotesi ampiamente conservative (caso peggiore – *worst case*):

- Sole splendente tutto il giorno e per tutto l'anno;
- Impianto costantemente in funzione (presenza costante di vento);
- Piano del rotore sempre ortogonale alla congiungente tra l'osservatore e il sole;
- Altezza minima del sole sull'orizzonte pari a 3°;
- Effetto dell'ombra proiettata fino a una distanza di 2000 m dalle torri;
- Totale assenza di ostacoli o schermi vegetazionali presenti negli spazi circostanti i possibili recettori.

Di seguito si allega il report di calcolo eseguito mediante il software WindPRO nonché del relativo grafico finale che riporta in pianta il numero massimo di ore/anno in cui ad altezza dell'occhio umano si verifica l'effetto flicker descritto. Tale numero è rappresentato graficamente sul territorio con aree di diverse sfumature di colore in base al numero di ore/anno di possibile effetto flicker.

CONCLUSIONE

Per quanto concerne l'effetto "flicker", quindi, valutando i risultati ottenuti in relazione al contesto antropico locale, si può ragionevolmente affermare che il fenomeno non ha particolari riflessi negativi sul territorio, dove i primi fabbricati adibiti a civile abitazioni sono in numero limitato e a distanze sempre superiori a diverse centinaia di metri, distanze oltre le quali il fenomeno di ombreggiamento è praticamente modesto e accettabile. Pur nelle ipotesi conservative assunte, la probabilità che un osservatore sia soggetto al fenomeno non è significativa, se si riportano i risultati numerici ai casi reali con le dovute attenuazioni di origine morfologica e meteorologica del territorio.



SHADOW - Risultato principale

Calcolo: Shadow Flickering Analysis

Assunzioni sui calcoli d'ombra

Distanza massima di influenza
 Calcola solo quando oltre il 20% del sole è coperto dalla pala
 Consultare la tabella delle WTG

Altezza minima del sole sull'orizzonte 3 °
 Passo giornaliero del calcolo 1 giorni
 Passo temporale del calcolo 1 minuti

Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen	Feb	Mar	Apr	Mag	Giu	Lug	Ago	Set	Ott	Nov	Dic
4.12	4.66	5.30	6.72	8.25	9.35	10.16	9.45	7.64	5.82	4.65	3.82

Le ore di operatività sono calcolate in base della distribuzione del vento:
 SanPaolo_NNW

Tempo di operatività

N	NNE	ENE	E	ESE	SSE	S	SSO	OSO	O	ONO	NNO	Somma
437	192	40	16	67	346	208	192	120	99	425	524	2,665

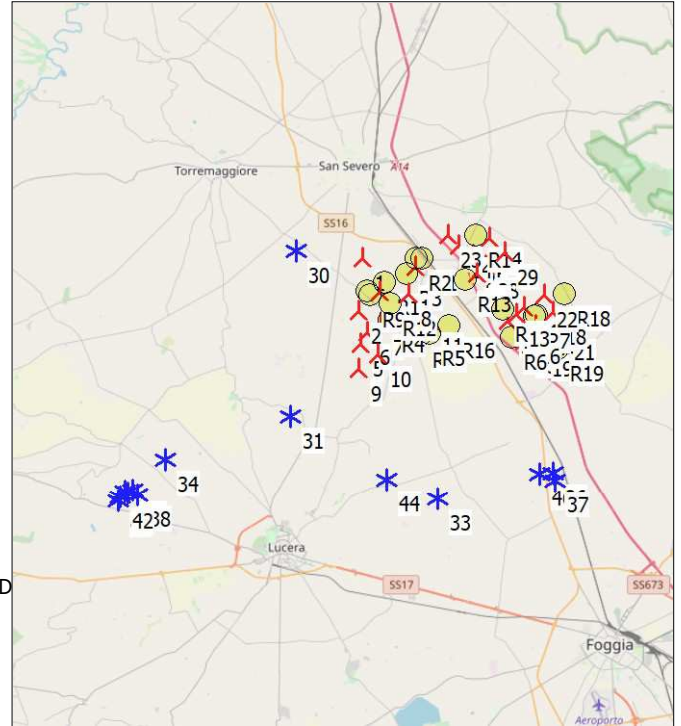
: Soglia di cut-in dalla curva di potenza

Per evitare di considerare l' ombreggiamento da WTG in realtà non direttamente visibili, prima del calcolo dell' ombra viene eseguito un calcolo ZVI. Quest' ultimo si basa sulle seguenti assunzioni.

Curve altimetriche usate: Project Wizard Elevation Data Grid (SRTM: Shuttle D)
 Ostacoli usati:

Eye height for map: 1.5 m
 Risoluzione del grigliato: 1.0 m
 Ombra topografica inclusa nel calcolo

All coordinates are in
 UTM (north)-WGS84 Zona: 33



Scala 1:400,000
 ▲ Nuova WTG * WTG preesistente
 ● Recettore d'ombra

WTG

Easting	Northing	Z	Dati/Descrizione	Tipo di WTG		Tipo generatore	Potenza nominale	Diametro rotore	Altezza mozzo	Dati di ombra	
				Valida	Prod.					Distanza di calcolo	giri/min
		[m]					[kW]	[m]	[m]	[m]	[giri/min]
1	532,143	4,610,506	79.4 Siemens Gamesa... No	Siemens Gamesa	SG 6.0-170-6,000	6,000	170.0	165.0	2,500	1,120.0	
2	531,905	4,607,705	59.0 Siemens Gamesa... No	Siemens Gamesa	SG 6.0-170-6,000	6,000	170.0	165.0	2,500	1,120.0	
3	533,067	4,608,756	74.0 Siemens Gamesa... No	Siemens Gamesa	SG 6.0-170-6,000	6,000	170.0	165.0	2,500	1,120.0	
4	534,901	4,610,087	68.2 Siemens Gamesa... No	Siemens Gamesa	SG 6.0-170-6,000	6,000	170.0	165.0	2,500	1,120.0	
5	532,026	4,606,000	60.0 Siemens Gamesa... No	Siemens Gamesa	SG 6.0-170-6,000	6,000	170.0	165.0	2,500	1,120.0	
6	532,348	4,606,668	59.7 Siemens Gamesa... No	Siemens Gamesa	SG 6.0-170-6,000	6,000	170.0	165.0	2,500	1,120.0	
7	533,101	4,607,173	58.0 Siemens Gamesa... No	Siemens Gamesa	SG 6.0-170-6,000	6,000	170.0	165.0	2,500	1,120.0	
8	534,604	4,608,655	58.5 Siemens Gamesa... No	Siemens Gamesa	SG 6.0-170-6,000	6,000	170.0	165.0	2,500	1,120.0	
9	531,908	4,604,674	59.8 Siemens Gamesa... No	Siemens Gamesa	SG 6.0-170-6,000	6,000	170.0	165.0	2,500	1,120.0	
10	532,936	4,605,420	56.7 Siemens Gamesa... No	Siemens Gamesa	SG 6.0-170-6,000	6,000	170.0	165.0	2,500	1,120.0	
11	535,663	4,607,254	52.0 Siemens Gamesa... No	Siemens Gamesa	SG 6.0-170-6,000	6,000	170.0	165.0	2,500	1,120.0	
12	539,817	4,607,250	42.2 Siemens Gamesa... No	Siemens Gamesa	SG 6.0-170-6,000	6,000	170.0	165.0	2,500	1,120.0	
13	540,241	4,607,667	41.0 Siemens Gamesa... No	Siemens Gamesa	SG 6.0-170-6,000	6,000	170.0	165.0	2,500	1,120.0	
14	540,668	4,607,969	39.4 Siemens Gamesa... No	Siemens Gamesa	SG 6.0-170-6,000	6,000	170.0	165.0	2,500	1,120.0	
15	540,641	4,606,228	42.3 Siemens Gamesa... No	Siemens Gamesa	SG 6.0-170-6,000	6,000	170.0	165.0	2,500	1,120.0	
16	540,816	4,606,742	40.8 Siemens Gamesa... No	Siemens Gamesa	SG 6.0-170-6,000	6,000	170.0	165.0	2,500	1,120.0	
17	541,279	4,607,024	41.0 Siemens Gamesa... No	Siemens Gamesa	SG 6.0-170-6,000	6,000	170.0	165.0	2,500	1,120.0	
18	542,172	4,607,732	37.3 Siemens Gamesa... No	Siemens Gamesa	SG 6.0-170-6,000	6,000	170.0	165.0	2,500	1,120.0	
19	541,506	4,606,087	40.1 Siemens Gamesa... No	Siemens Gamesa	SG 6.0-170-6,000	6,000	170.0	165.0	2,500	1,120.0	
20	542,239	4,606,593	39.0 Siemens Gamesa... No	Siemens Gamesa	SG 6.0-170-6,000	6,000	170.0	165.0	2,500	1,120.0	
21	542,679	4,606,940	38.9 Siemens Gamesa... No	Siemens Gamesa	SG 6.0-170-6,000	6,000	170.0	165.0	2,500	1,120.0	
22	541,727	4,608,628	35.4 Siemens Gamesa... No	Siemens Gamesa	SG 6.0-170-6,000	6,000	170.0	165.0	2,500	1,120.0	
23	536,615	4,611,810	46.9 Siemens Gamesa... No	Siemens Gamesa	SG 6.0-170-6,000	6,000	170.0	165.0	2,500	1,120.0	
24	537,212	4,611,206	45.4 Siemens Gamesa... No	Siemens Gamesa	SG 6.0-170-6,000	6,000	170.0	165.0	2,500	1,120.0	
25	537,960	4,610,693	44.4 Siemens Gamesa... No	Siemens Gamesa	SG 6.0-170-6,000	6,000	170.0	165.0	2,500	1,120.0	
26	538,798	4,611,648	41.7 Siemens Gamesa... No	Siemens Gamesa	SG 6.0-170-6,000	6,000	170.0	165.0	2,500	1,120.0	
27	538,183	4,609,756	44.5 Siemens Gamesa... No	Siemens Gamesa	SG 6.0-170-6,000	6,000	170.0	165.0	2,500	1,120.0	
28	538,660	4,610,165	43.0 Siemens Gamesa... No	Siemens Gamesa	SG 6.0-170-6,000	6,000	170.0	165.0	2,500	1,120.0	
29	539,638	4,610,898	37.0 Siemens Gamesa... No	Siemens Gamesa	SG 6.0-170-6,000	6,000	170.0	165.0	2,500	1,120.0	

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SHADOW - Risultato principale

Calcolo: Shadow Flickering Analysis

...continua dalla pagina precedente

	Easting	Northing	Z	Dati/Descrizione	Tipo di WTG		Tipo generatore	Potenza nominale	Diametro rotore	Altezza mozzo	Dati di ombra	
					Valida	Prod.					Distanza di calcolo	giri/min
			[m]					[kW]	[m]	[m]	[m]	[giri/min]
30	528,613	4,610,893	72.4	PowerWind 56	No	REpower	57/1000-1,050/250	1,050	57.0	55.0	2,500	22.9
31	528,332	4,602,171	148.0	PowerWind 56	No	REpower	57/1000-1,050/250	1,050	57.0	55.0	2,500	22.9
32	533,439	4,598,863	80.4	PowerWind 56	No	REpower	57/1000-1,050/250	1,050	57.0	55.0	2,500	22.9
33	536,153	4,597,889	75.8	PowerWind 56	No	REpower	57/1000-1,050/250	1,050	57.0	55.0	2,500	22.9
34	521,761	4,599,844	161.4	PowerWind 56	No	REpower	57/1000-1,050/250	1,050	57.0	55.0	2,500	22.9
35	541,558	4,599,238	51.0	REpower 57/100...	No	REpower	57/1000-1,050/250	1,050	57.0	55.0	2,500	22.9
36	542,272	4,599,260	52.0	REpower 57/100...	No	REpower	57/1000-1,050/250	1,050	57.0	55.0	2,500	22.9
37	542,374	4,598,881	51.3	REpower 57/100...	No	REpower	57/1000-1,050/250	1,050	57.0	55.0	2,500	22.9
38	520,255	4,597,975	248.3	R80680	No	REpower	MM 82-2,000	2,000	82.0	80.0	1,446	17.3
39	519,958	4,598,268	251.9	REpower 57/100...	No	REpower	57/1000-1,050/250	1,050	57.0	55.0	2,500	22.9
40	519,757	4,598,121	261.0	REpower 57/100...	No	REpower	57/1000-1,050/250	1,050	57.0	55.0	2,500	22.9
41	519,555	4,598,221	275.8	REpower 57/100...	No	REpower	57/1000-1,050/250	1,050	57.0	55.0	2,500	22.9
42	519,354	4,597,911	268.0	REpower 57/100...	No	REpower	57/1000-1,050/250	1,050	57.0	55.0	2,500	22.9
43	519,230	4,597,717	284.4	REpower 57/100...	No	REpower	57/1000-1,050/250	1,050	57.0	55.0	2,500	22.9
44	533,439	4,598,863	80.4	PowerWind 56	No	REpower	57/1000-1,050/250	1,050	57.0	55.0	2,500	22.9
45	536,153	4,597,889	75.8	PowerWind 56	No	REpower	57/1000-1,050/250	1,050	57.0	55.0	2,500	22.9
46	541,558	4,599,238	51.0	REpower 57/100...	No	REpower	57/1000-1,050/250	1,050	57.0	55.0	2,500	22.9
47	542,272	4,599,260	52.0	REpower 57/100...	No	REpower	57/1000-1,050/250	1,050	57.0	55.0	2,500	22.9
48	542,374	4,598,881	51.3	REpower 57/100...	No	REpower	57/1000-1,050/250	1,050	57.0	55.0	2,500	22.9

Recettore d'ombra-I mmissione dati

n.	Easting	Northing	Z	Ampiezza	Altezza	Elevation	Inclinazione della finestra	Modo orientazione	Eye height for ZVI
			[m]	[m]	[m]	a.g.l.	[°]		[m]
R1	535,274	4,610,554	66.0	1.0	1.0	1.5	90.0	"Modalità serra"	2.5
R10	532,354	4,608,829	73.4	1.0	1.0	1.5	90.0	"Modalità serra"	2.5
R11	533,270	4,609,264	68.1	1.0	1.0	1.5	90.0	"Modalità serra"	2.5
R12	533,588	4,608,143	68.2	1.0	1.0	1.5	90.0	"Modalità serra"	2.5
R13	537,541	4,609,444	49.0	1.0	1.0	1.5	90.0	"Modalità serra"	2.5
R14	538,096	4,611,779	46.9	1.0	1.0	1.5	90.0	"Modalità serra"	2.5
R15	535,175	4,606,463	55.8	1.0	1.0	1.5	90.0	"Modalità serra"	2.5
R16	536,719	4,606,980	52.0	1.0	1.0	1.5	90.0	"Modalità serra"	2.5
R17	539,572	4,607,897	43.0	1.0	1.0	1.5	90.0	"Modalità serra"	2.5
R18	542,829	4,608,701	39.0	1.0	1.0	1.5	90.0	"Modalità serra"	2.5
R19	542,484	4,605,853	39.7	1.0	1.0	1.5	90.0	"Modalità serra"	2.5
R2	534,964	4,610,555	68.0	1.0	1.0	1.5	90.0	"Modalità serra"	2.5
R3	534,440	4,609,748	73.6	1.0	1.0	1.5	90.0	"Modalità serra"	2.5
R4	533,587	4,607,248	59.2	1.0	1.0	1.5	90.0	"Modalità serra"	2.5
R5	535,704	4,606,596	53.0	1.0	1.0	1.5	90.0	"Modalità serra"	2.5
R6	540,012	4,606,403	46.0	1.0	1.0	1.5	90.0	"Modalità serra"	2.5
R7	541,246	4,607,527	42.0	1.0	1.0	1.5	90.0	"Modalità serra"	2.5
R8	541,313	4,607,593	43.9	1.0	1.0	1.5	90.0	"Modalità serra"	2.5
R9	532,523	4,608,570	68.8	1.0	1.0	1.5	90.0	"Modalità serra"	2.5

Risultati dei calcoli

Recettore d'ombra

n.	Ombra, caso peggiore			Ombra, valore atteso	
	Ore d'ombra per anno	Giorni con ombra per anno	Massima durata dell'ombra per giorno	Ore d'ombra per anno	
	[ore/anno]	[giorni/anno]	[ore/giorno]	[ore/anno]	
R1	102:31	130	1:09	6:43	
R10	51:38	72	0:58	5:19	
R11	87:09	163	1:04	7:18	
R12	41:43	116	0:36	3:48	
R13	37:02	57	0:48	3:27	
R14	106:07	148	1:08	9:29	
R15	10:49	58	0:18	1:08	
R16	32:18	68	0:37	3:59	
R17	86:18	185	0:54	8:50	
R18	25:02	70	0:35	2:14	

continua alla pagina successiva...

SHADOW - Risultato principale

Calcolo: Shadow Flickering Analysis

...continua dalla pagina precedente

n.	Ombra, caso peggiore			Ombra, valore atteso
	Ore d'ombra per anno	Giorni con ombra per anno	Massima durata dell'ombra per giorno	Ore d'ombra per anno
	[ore/anno]	[giorni/anno]	[ore/giorno]	[ore/anno]
R19	51:32	129	0:40	6:29
R2	60:10	83	1:11	5:07
R3	29:00	98	0:25	2:03
R4	141:55	207	1:31	12:27
R5	0:00	0	0:00	0:00
R6	138:21	174	1:14	13:40
R7	127:05	196	1:17	12:48
R8	90:07	163	1:13	8:57
R9	97:43	118	1:10	9:13

Ombreggiamento totale sui recettori d'ombra causato da ciascuna WTG

n.	Nome	Caso peggiore [ore/anno]	Atteso [ore/anno]
1	Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0 m) (180)	5:02	0:39
2	Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0 m) (181)	18:47	1:54
3	Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0 m) (182)	217:54	19:04
4	Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0 m) (183)	171:37	12:39
5	Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0 m) (184)	12:12	0:42
6	Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0 m) (185)	16:24	1:08
7	Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0 m) (186)	104:26	9:47
8	Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0 m) (187)	52:13	5:02
9	Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0 m) (188)	0:00	0:00
10	Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0 m) (189)	3:54	0:15
11	Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0 m) (190)	41:43	4:54
12	Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0 m) (191)	15:40	1:12
13	Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0 m) (192)	90:12	9:39
14	Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0 m) (193)	26:44	2:32
15	Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0 m) (194)	64:27	6:41
16	Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0 m) (195)	66:34	6:45
17	Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0 m) (196)	60:06	5:39
18	Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0 m) (197)	56:17	5:27
19	Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0 m) (198)	48:09	5:36
20	Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0 m) (199)	15:40	1:32
21	Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0 m) (200)	21:24	2:11
22	Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0 m) (201)	26:20	2:27
23	Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0 m) (202)	11:53	1:11
24	Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0 m) (203)	43:54	3:06
25	Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0 m) (204)	0:00	0:00
26	Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0 m) (205)	47:31	4:51
27	Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0 m) (206)	37:02	3:27
28	Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0 m) (207)	0:00	0:00
29	Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0 m) (208)	11:44	1:12
30	PowerWind 56	0:00	0:00
31	PowerWind 56	0:00	0:00
32	PowerWind 56	0:00	0:00
33	PowerWind 56	0:00	0:00
34	PowerWind 56	0:00	0:00
35	REpower 57/1000 1050-250 57.0 !-! hub: 55.0 m (TOT: 83.5 m) (6)	0:00	0:00
36	REpower 57/1000 1050-250 57.0 !-! hub: 55.0 m (TOT: 83.5 m) (7)	0:00	0:00
37	REpower 57/1000 1050-250 57.0 !-! hub: 55.0 m (TOT: 83.5 m) (8)	0:00	0:00
38	R80680	0:00	0:00
39	REpower 57/1000 1050-250 57.0 !-! hub: 55.0 m (TOT: 83.5 m) (10)	0:00	0:00
40	REpower 57/1000 1050-250 57.0 !-! hub: 55.0 m (TOT: 83.5 m) (12)	0:00	0:00
41	REpower 57/1000 1050-250 57.0 !-! hub: 55.0 m (TOT: 83.5 m) (13)	0:00	0:00
42	REpower 57/1000 1050-250 57.0 !-! hub: 55.0 m (TOT: 83.5 m) (14)	0:00	0:00
43	REpower 57/1000 1050-250 57.0 !-! hub: 55.0 m (TOT: 83.5 m) (16)	0:00	0:00
44	PowerWind 56	0:00	0:00
45	PowerWind 56	0:00	0:00
46	REpower 57/1000 1050-250 57.0 !-! hub: 55.0 m (TOT: 83.5 m) (71)	0:00	0:00
47	REpower 57/1000 1050-250 57.0 !-! hub: 55.0 m (TOT: 83.5 m) (72)	0:00	0:00
48	REpower 57/1000 1050-250 57.0 !-! hub: 55.0 m (TOT: 83.5 m) (73)	0:00	0:00

Total times in Receptor wise and WTG wise tables can differ, as a WTG can lead to flicker at 2 or more receptors simultaneously and/or receptors may receive flicker from 2 or more WTGs simultaneously.

SHADOW - Calendario

Calcolo: Shadow Flickering Analysis **Recettore d'ombra: R1** - Shadow Receptor: 1.0 x 1.0 Azimuth: 0.0° Slope: 0.0° (76)
 Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
 4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
 437 192 40 16 67 346 208 192 120 99 425 524 2,665

: Soglia di cut-in dalla curva di potenza

	Gennaio		Febbraio		Marzo		Aprile		Maggio		Giugno	
1	07:26		14:11 (4)	07:12	14:34 (4)	06:35	06:44		05:57	06:16 (24)	05:27	
	16:39	68	15:19 (4)	17:13	45	15:19 (4)	17:48	19:23	19:56	10	06:26 (24)	20:26
2	07:26		14:11 (4)	07:11	14:35 (4)	06:34	06:42		05:56	06:15 (24)	05:27	
	16:39	68	15:19 (4)	17:15	43	15:18 (4)	17:49	19:24	19:57	11	06:26 (24)	20:27
3	07:26		14:12 (4)	07:10	14:38 (4)	06:32	06:40		05:54	06:14 (24)	05:26	
	16:40	68	15:20 (4)	17:16	38	15:16 (4)	17:51	19:25	19:58	13	06:27 (24)	20:28
4	07:26		14:12 (4)	07:09	14:40 (4)	06:30	06:38		05:53	06:13 (24)	05:26	
	16:41	68	15:20 (4)	17:17	35	15:15 (4)	17:52	19:26	19:59	14	06:27 (24)	20:28
5	07:26		14:13 (4)	07:08	14:43 (4)	06:29	06:37		05:52	06:11 (24)	05:26	
	16:42	68	15:21 (4)	17:18	30	15:13 (4)	17:53	19:28	20:00	15	06:26 (24)	20:29
6	07:26		14:12 (4)	07:07	14:46 (4)	06:27	06:35		05:50	06:10 (24)	05:25	
	16:43	68	15:20 (4)	17:20	25	15:11 (4)	17:54	19:29	20:01	16	06:26 (24)	20:30
7	07:26		14:13 (4)	07:06	14:49 (4)	06:26	06:33		05:49	06:09 (24)	05:25	
	16:44	68	15:21 (4)	17:21	17	15:06 (4)	17:55	19:30	20:02	17	06:26 (24)	20:30
8	07:26		14:14 (4)	07:04		06:24	06:32		05:48	06:08 (24)	05:25	
	16:45	67	15:21 (4)	17:22		17:56	19:31		20:03	18	06:26 (24)	20:31
9	07:26		14:14 (4)	07:03		06:22	06:30		05:47	06:08 (24)	05:25	
	16:46	68	15:22 (4)	17:24		17:58	19:32		20:04	18	06:26 (24)	20:32
10	07:25		14:14 (4)	07:02		06:21	06:29		05:46	06:08 (24)	05:24	
	16:47	68	15:22 (4)	17:25		17:59	19:33		20:05	17	06:25 (24)	20:32
11	07:25		14:15 (4)	07:01		06:19	06:27		05:45	06:09 (24)	05:24	
	16:48	67	15:22 (4)	17:26		18:00	19:34		20:07	15	06:24 (24)	20:33
12	07:25		14:16 (4)	06:59		06:17	06:25		05:43	06:10 (24)	05:24	
	16:49	67	15:23 (4)	17:27		18:01	19:35		20:08	13	06:23 (24)	20:33
13	07:25		14:16 (4)	06:58		06:16	06:24		05:42	06:12 (24)	05:24	
	16:50	67	15:23 (4)	17:29		18:02	19:36		20:09	9	06:21 (24)	20:34
14	07:24		14:17 (4)	06:57		06:14	06:22		05:41	06:15 (24)	05:24	
	16:51	66	15:23 (4)	17:30		18:03	19:37		20:10	4	06:19 (24)	20:34
15	07:24		14:17 (4)	06:56		06:12	06:21		05:40		05:24	
	16:53	66	15:23 (4)	17:31		18:04	19:38		20:11		20:35	
16	07:23		14:18 (4)	06:54		06:11	06:19		05:39		05:24	
	16:54	66	15:24 (4)	17:32		18:06	19:40		20:12		20:35	
17	07:23		14:18 (4)	06:53		06:09	06:17		05:38		05:24	
	16:55	65	15:23 (4)	17:34		18:07	19:41		20:13		20:35	
18	07:23		14:19 (4)	06:52		06:07	06:16		05:37		05:24	
	16:56	65	15:24 (4)	17:35		18:08	19:42		20:14		20:36	
19	07:22		14:20 (4)	06:50		06:06	06:14		05:36		05:24	
	16:57	64	15:24 (4)	17:36		18:09	19:43		20:15		20:36	
20	07:21		14:21 (4)	06:49		06:04	06:13		05:36		05:24	
	16:58	63	15:24 (4)	17:37		18:10	19:44		20:16		20:36	
21	07:21		14:22 (4)	06:47		06:02	06:11		05:35		05:24	
	17:00	62	15:24 (4)	17:39		18:11	19:45		20:17		20:36	
22	07:20		14:22 (4)	06:46		06:01	06:10		05:34		05:25	
	17:01	62	15:24 (4)	17:40		18:12	19:46		20:17		20:37	
23	07:19		14:23 (4)	06:44		05:59	06:08		05:33		05:25	
	17:02	60	15:23 (4)	17:41		18:13	19:47		20:18		20:37	
24	07:19		14:24 (4)	06:43		05:57	06:07		05:32		05:25	
	17:03	60	15:24 (4)	17:42		18:14	19:48		20:19		20:37	
25	07:18		14:25 (4)	06:41		05:55	06:05		05:32		05:25	
	17:05	58	15:23 (4)	17:43		18:15	19:49		20:20		20:37	
26	07:17		14:26 (4)	06:40		05:54	06:04		05:31		05:26	
	17:06	57	15:23 (4)	17:45		18:17	19:50		20:21		20:37	
27	07:16		14:27 (4)	06:38		05:52	06:02		05:30		05:26	
	17:07	55	15:22 (4)	17:46		18:18	19:52		20:22		20:37	
28	07:16		14:28 (4)	06:37		05:50	06:01	06:20 (24)	05:30		05:26	
	17:08	54	15:22 (4)	17:47		18:19	19:53	2	06:22 (24)	20:23	20:37	
29	07:15		14:29 (4)			06:49	06:00		06:19 (24)	05:29	05:27	
	17:10	52	15:21 (4)			19:20	19:54	5	06:24 (24)	20:24	20:37	
30	07:14		14:31 (4)			06:47	05:58		06:18 (24)	05:28	05:27	
	17:11	49	15:20 (4)			19:21	19:55	8	06:26 (24)	20:24	20:37	
31	07:13		14:32 (4)			06:45			05:28			
	17:12	48	15:20 (4)			19:22			20:25			
Ore potenziali eliofania	296		296			369	399		450		454	
Totale, caso peggiore	1952		233					15		190		
Probabilità di eliofania	0.43		0.44					0.50		0.57		
Tempo di operatività rid.	0.30		0.30					0.30		0.30		
Dir. del vento rid.	0.48		0.48					0.49		0.49		
Totale ridotto	0.06		0.06					0.08		0.08		
Totale effettivo	123		15					1		16		

Legenda della tabella:

Giorno del mese Alba (hh:mm) Tramonto (hh:mm) Inizio ombreggiamento (hh:mm) Fine ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: Shadow Flickering Analysis **Recettore d'ombra: R1 - Shadow Receptor: 1.0 x 1.0** **Azimuth: 0.0° Slope: 0.0° (76)**
 Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen	Feb	Mar	Apr	Mag	Giu	Lug	Ago	Set	Ott	Nov	Dic
4.12	4.66	5.30	6.72	8.25	9.35	10.16	9.45	7.64	5.82	4.65	3.82

Tempo di operatività

N	NNE	ENE	E	ESE	SSE	S	SSO	OSO	O	ONO	NNO	Somma
437	192	40	16	67	346	208	192	120	99	425	524	2,665

: Soglia di cut-in dalla curva di potenza

	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	05:28	05:52	06:20 (24)	06:24	06:55	06:30
	20:37	20:18	13 06:33 (24)	19:34	18:42	16:55
2	05:28	05:53	06:19 (24)	06:25	06:56	06:31
	20:37	20:17	15 06:34 (24)	19:32	18:41	16:53
3	05:29	05:54	06:18 (24)	06:26	06:57	06:32
	20:37	20:15	17 06:35 (24)	19:30	18:39	16:52
4	05:29	05:55	06:17 (24)	06:27	06:58	06:33
	20:37	20:14	18 06:35 (24)	19:29	18:37	16:51
5	05:30	05:56	06:18 (24)	06:28	06:59	06:35
	20:36	20:13	18 06:36 (24)	19:27	18:36	16:50
6	05:30	05:57	06:19 (24)	06:29	07:00	06:36
	20:36	20:12	17 06:36 (24)	19:25	18:34	16:49
7	05:31	05:58	06:20 (24)	06:30	07:01	06:37
	20:36	20:11	16 06:36 (24)	19:24	18:32	16:48
8	05:32	05:59	06:21 (24)	06:31	07:02	06:38
	20:36	20:09	15 06:36 (24)	19:22	18:31	16:46
9	05:32	06:00	06:22 (24)	06:32	07:03	06:39
	20:35	20:08	14 06:36 (24)	19:20	18:29	16:45
10	05:33	06:01	06:23 (24)	06:33	07:04	06:41
	20:35	20:07	12 06:35 (24)	19:19	18:27	16:44
11	05:34	06:02	06:24 (24)	06:34	07:05	06:42
	20:34	20:05	11 06:35 (24)	19:17	18:26	16:43
12	05:34	06:03	06:25 (24)	06:35	07:06	06:43
	20:34	20:04	9 06:34 (24)	19:15	18:24	16:42
13	05:35	06:04	06:26 (24)	06:36	07:08	06:44
	20:33	20:03	7 06:33 (24)	19:13	18:22	16:41
14	05:36	06:05	06:27 (24)	06:37	07:09	06:45
	20:33	20:01	4 06:31 (24)	19:12	18:21	16:40
15	05:37	06:06	06:28 (24)	06:38	07:10	06:47
	20:32	20:00	1 06:29 (24)	19:10	18:19	16:39
16	05:38	06:07		06:39	07:11	06:48
	20:32	19:58		19:08	18:18	16:39
17	05:38	06:08		06:40	07:12	06:49
	20:31	19:57		19:06	18:16	16:38
18	05:39	06:09		06:41	07:13	06:50
	20:30	19:56		19:05	18:15	16:37
19	05:40	06:10		06:42	07:14	06:52
	20:30	19:54		19:03	18:13	16:36
20	05:41	06:11		06:43	07:15	06:53
	20:29	19:53		19:01	18:11	16:35
21	05:42	06:12		06:44	07:17	06:54
	20:28	19:51		19:00	18:10	16:35
22	05:43	06:13		06:45	07:18	06:55
	20:27	19:50		18:58	18:08	16:34
23	05:44	06:14		06:46	07:19	06:56
	20:26	19:48		18:56	18:07	16:33
24	05:44	06:16		06:47	07:20	06:57
	20:26	19:47		18:54	18:06	16:33
25	05:45	06:17		06:48	06:21	06:59
	20:25	19:45		18:53	17:04	16:32
26	05:46	06:18		06:49	06:22	07:00
	20:24	19:43		18:51	17:03	16:32
27	05:47	06:19		06:50	06:24	07:01
	20:23	19:42		18:49	17:01	16:31
28	05:48	06:20		06:51	06:25	07:02
	20:22	19:40		18:47	17:00	16:31
29	05:49	06:21		06:52	06:26	07:03
	20:21	19:39		18:46	16:59	16:30
30	05:50	06:22 (24)		06:54	06:27	07:04
	20:20	7 06:31 (24)		18:44	16:57	16:30
31	05:51	06:22 (24)			06:28	
	20:19	11 06:33 (24)			16:56	
Ore potenziali eliofania	461	429	375	345	297	286
Totale, caso peggiore	18	187			1447	2109
Probabilità di eliofania	0.68	0.68			0.47	0.41
Tempo di operatività rid.	0.30	0.30			0.30	0.30
Dir. del vento rid.	0.49	0.49			0.48	0.48
Totale ridotto	0.10	0.10			0.07	0.06
Totale effettivo	2	19			99	128

Legenda della tabella:

Giorno del mese Alba (hh:mm) Tramonto (hh:mm) Minuti d'ombra Inizio ombreggiamento (hh:mm) Fine ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: Shadow Flickering Analysis Recettore d'ombra: R12 - Shadow Receptor: 1.0 x 1.0 Azimuth: 0.0° Slope: 0.0° (87)
 Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
 4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
 437 192 40 16 67 346 208 192 120 99 425 524 2,665

: Soglia di cut-in dalla curva di potenza

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno						
1	07:26	07:12	06:35	17:06 (2)	06:44	05:28	05:51 (8)					
	16:39	17:13	17:48	20	17:26 (2)	19:23	19:56	20:26	29	06:20 (8)		
2	07:26	07:11	06:34	17:06 (2)	06:42	05:56	05:27	05:52 (8)				
	16:40	17:15	17:49	22	17:28 (2)	19:24	19:57	20:27	29	06:21 (8)		
3	07:26	07:10	07:30 (11)	06:32	17:06 (2)	06:40	05:54	05:27	05:51 (8)			
	16:40	17:16	1	07:31 (11)	17:51	22	17:28 (2)	19:25	19:58	20:28	30	06:21 (8)
4	07:26	07:09	07:29 (11)	06:31	17:06 (2)	06:39	05:53	05:26	05:51 (8)			
	16:41	17:17	4	07:33 (11)	17:52	22	17:28 (2)	19:27	19:59	20:28	31	06:22 (8)
5	07:26	07:08	07:28 (11)	06:29	17:06 (2)	06:37	05:52	05:26	05:51 (8)			
	16:42	17:19	7	07:35 (11)	17:53	21	17:27 (2)	19:28	20:00	20:29	32	06:23 (8)
6	07:26	07:07	07:27 (11)	06:27	17:07 (2)	06:35	05:51	05:25	05:50 (8)			
	16:43	17:20	9	07:36 (11)	17:54	18	17:25 (2)	19:29	20:01	20:30	33	06:23 (8)
7	07:26	07:06	07:26 (11)	06:26	17:08 (2)	06:34	05:49	05:25	05:50 (8)			
	16:44	17:21	10	07:36 (11)	17:55	17	17:25 (2)	19:30	20:02	20:30	33	06:23 (8)
8	07:26	07:04	07:24 (11)	06:24	17:10 (2)	06:32	05:48	05:25	05:51 (8)			
	16:45	17:22	12	07:36 (11)	17:57	12	17:22 (2)	19:31	20:03	20:31	33	06:24 (8)
9	07:26	07:03	07:23 (11)	06:22	17:12 (2)	06:30	05:47	05:25	05:51 (8)			
	16:46	17:24	13	07:36 (11)	17:58	6	17:18 (2)	19:32	20:04	20:32	33	06:24 (8)
10	07:25	07:02	07:22 (11)	06:21	06:29	05:46	05:24	05:51 (8)				
	16:47	17:25	14	07:36 (11)	17:59	19:33	20:06	20:32	34	06:25 (8)		
11	07:25	07:01	07:21 (11)	06:19	06:27	05:45	05:24	05:51 (8)				
	16:48	17:26	15	07:36 (11)	18:00	19:34	20:07	20:33	34	06:25 (8)		
12	07:25	07:00	07:19 (11)	06:17	06:25	05:44	05:24	05:51 (8)				
	16:49	17:27	16	07:35 (11)	18:01	19:35	20:08	20:33	35	06:26 (8)		
13	07:25	06:58	07:21 (11)	06:16	06:24	05:43	05:24	05:50 (8)				
	16:50	17:29	14	07:35 (11)	18:02	19:36	20:09	20:34	35	06:25 (8)		
14	07:24	06:57	07:22 (11)	06:14	06:22	05:41	05:24	05:50 (8)				
	16:52	17:30	12	07:34 (11)	18:03	19:37	20:10	20:34	36	06:26 (8)		
15	07:24	06:56	07:24 (11)	06:12	06:21	05:40	05:24	05:51 (8)				
	16:53	17:31	6	07:30 (11)	18:04	19:39	20:11	20:35	35	06:26 (8)		
16	07:23	06:54	06:11	06:19	05:39	05:24	05:52 (8)					
	16:54	17:32	18:06	19:40	20:12	20:35	35	06:27 (8)				
17	07:23	06:53	06:09	06:17	05:38	05:24	05:52 (8)					
	16:55	17:34	18:07	19:41	20:13	20:35	35	06:27 (8)				
18	07:23	06:52	06:07	06:16	05:38	05:24	05:52 (8)					
	16:56	17:35	18:08	19:42	20:14	20:36	35	06:27 (8)				
19	07:22	06:50	06:06	06:14	05:37	05:24	05:52 (8)					
	16:57	17:36	18:09	19:43	20:15	20:36	35	06:27 (8)				
20	07:21	06:49	06:04	06:13	05:36	05:24	05:52 (8)					
	16:59	17:37	18:10	19:44	20:16	20:36	36	06:28 (8)				
21	07:21	06:47	06:02	06:11	05:35	05:24	05:52 (8)					
	17:00	17:39	18:11	19:45	20:17	20:36	36	06:28 (8)				
22	07:20	06:46	06:01	06:10	05:34	05:25	05:52 (8)					
	17:01	17:40	18:12	19:46	20:17	20:37	36	06:28 (8)				
23	07:19	06:44	17:14 (2)	05:59	06:08	05:33	05:25	05:53 (8)				
	17:02	17:41	5	17:19 (2)	18:13	19:47	20:18	8	06:09 (8)	20:37	36	06:29 (8)
24	07:19	06:43	17:11 (2)	05:57	06:07	05:32	05:25	05:53 (8)				
	17:03	17:42	9	17:20 (2)	18:14	19:48	20:19	13	06:12 (8)	20:37	35	06:28 (8)
25	07:18	06:41	17:10 (2)	05:56	06:05	05:32	05:57 (8)	05:25	05:53 (8)			
	17:05	17:44	12	17:22 (2)	18:16	19:49	20:20	17	06:14 (8)	20:37	35	06:28 (8)
26	07:17	06:40	17:08 (2)	05:54	06:04	05:31	05:55 (8)	05:26	05:54 (8)			
	17:06	17:45	15	17:23 (2)	18:17	19:50	20:21	20	06:15 (8)	20:37	35	06:29 (8)
27	07:16	06:38	17:08 (2)	05:52	06:03	05:30	05:55 (8)	05:26	05:54 (8)			
	17:07	17:46	17	17:25 (2)	18:18	19:52	20:22	22	06:17 (8)	20:37	35	06:29 (8)
28	07:16	06:37	17:07 (2)	05:50	06:01	05:30	05:54 (8)	05:27	05:54 (8)			
	17:08	17:47	18	17:25 (2)	18:19	19:53	20:23	23	06:17 (8)	20:37	35	06:29 (8)
29	07:15		06:49	06:00	05:29	05:53 (8)	05:27	05:54 (8)				
	17:10		19:20	19:54	20:24	26	06:19 (8)	20:37	35	06:29 (8)		
30	07:14		06:47	05:58	05:29	05:52 (8)	05:27	05:54 (8)				
	17:11		19:21	19:55	20:24	27	06:19 (8)	20:37	35	06:29 (8)		
31	07:13		06:45		05:28	05:52 (8)						
	17:12		19:22		20:25	28	06:20 (8)					
Ore potenziali eliofania	296	296	369	399	450	454						
Totale, caso peggiore		209	160		184	1021						
Probabilità di eliofania		0.44	0.44		0.57	0.62						
Tempo di operatività rid.		0.30	0.30		0.30	0.30						
Dir. del vento rid.		0.63	0.49		0.48	0.48						
Totale ridotto		0.09	0.07		0.08	0.09						
Totale effettivo		18	11		16	94						

Legenda della tabella:

Giorno del mese Alba (hh:mm) Tramonto (hh:mm) Minuti d'ombra Inizio ombreggiamento (hh:mm) Fine ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: Shadow Flickering Analysis Recettore d'ombra: R12 - Shadow Receptor: 1.0 x 1.0 Azimuth: 0.0° Slope: 0.0° (87)
 Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
 4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
 437 192 40 16 67 346 208 192 120 99 425 524 2,665

: Soglia di cut-in dalla curva di potenza

	Luglio		Agosto		Settembre		Ottobre		Novembre		Dicembre	
1	05:28	05:55 (8)	05:52	06:24	06:55				06:30	06:52 (11)	07:05	
	20:37	35 06:30 (8)	20:18	19:34	18:42				16:55	14 07:06 (11)	16:30	
2	05:28	05:55 (8)	05:53	06:25	06:56				06:31	06:53 (11)	07:06	
	20:37	34 06:29 (8)	20:17	19:32	18:41				16:54	13 07:06 (11)	16:30	
3	05:29	05:56 (8)	05:54	06:26	06:57				06:32	06:54 (11)	07:07	
	20:37	34 06:30 (8)	20:15	19:30	18:39				16:52	12 07:06 (11)	16:29	
4	05:29	05:56 (8)	05:55	06:27	06:58				06:33	06:55 (11)	07:08	
	20:37	33 06:29 (8)	20:14	19:29	18:37				16:51	10 07:05 (11)	16:29	
5	05:30	05:56 (8)	05:56	06:28	06:59				17:48 (2)	06:35	06:57 (11)	07:09
	20:36	34 06:30 (8)	20:13	19:27	18:36	10			17:58 (2)	16:50	8 07:05 (11)	16:29
6	05:31	05:56 (8)	05:57	06:29	07:00				17:45 (2)	06:36	06:58 (11)	07:10
	20:36	33 06:29 (8)	20:12	19:25	18:34	14			17:59 (2)	16:49	6 07:04 (11)	16:29
7	05:31	05:57 (8)	05:58	06:30	07:01				17:43 (2)	06:37	06:59 (11)	07:11
	20:36	32 06:29 (8)	20:11	19:24	18:32	18			18:01 (2)	16:48	4 07:03 (11)	16:29
8	05:32	05:58 (8)	05:59	06:31	07:02				17:42 (2)	06:38	07:01 (11)	07:12
	20:36	32 06:30 (8)	20:09	19:22	18:31	20			18:02 (2)	16:47	1 07:02 (11)	16:29
9	05:33	05:58 (8)	06:00	06:32	07:03				17:41 (2)	06:39		07:13
	20:35	31 06:29 (8)	20:08	19:20	18:29	22			18:03 (2)	16:45		16:29
10	05:33	05:59 (8)	06:01	06:33	07:04				17:40 (2)	06:41		07:14
	20:35	30 06:29 (8)	20:07	19:19	18:27	23			18:03 (2)	16:44		16:29
11	05:34	06:00 (8)	06:02	06:34	07:05				17:40 (2)	06:42		07:15
	20:34	29 06:29 (8)	20:05	19:17	18:26	22			18:02 (2)	16:43		16:29
12	05:35	05:59 (8)	06:03	06:35	07:07				17:39 (2)	06:43		07:16
	20:34	29 06:28 (8)	20:04	19:15	18:24	22			18:01 (2)	16:42		16:29
13	05:35	06:00 (8)	06:04	06:36	07:08				17:39 (2)	06:44		07:16
	20:33	28 06:28 (8)	20:03	19:13	18:22	20			17:59 (2)	16:41		16:29
14	05:36	06:01 (8)	06:05	06:37	07:09				17:39 (2)	06:46		07:17
	20:33	26 06:27 (8)	20:01	19:12	18:21	18			17:57 (2)	16:41		16:29
15	05:37	06:03 (8)	06:06	06:38	07:10				17:40 (2)	06:47		07:18
	20:32	24 06:27 (8)	20:00	19:10	18:19	17			17:57 (2)	16:40		16:29
16	05:38	06:04 (8)	06:07	06:39	07:11				17:41 (2)	06:48		07:19
	20:32	22 06:26 (8)	19:59	19:08	18:18	14			17:55 (2)	16:39		16:29
17	05:39	06:04 (8)	06:08	06:40	07:12				17:42 (2)	06:49		07:19
	20:31	21 06:25 (8)	19:57	19:07	18:16	11			17:53 (2)	16:38		16:30
18	05:39	06:06 (8)	06:09	06:41	07:13				17:43 (2)	06:50		07:20
	20:30	18 06:24 (8)	19:56	19:05	18:15	8			17:51 (2)	16:37		16:30
19	05:40	06:07 (8)	06:10	06:42	07:14				17:46 (2)	06:52		07:21
	20:30	16 06:23 (8)	19:54	19:03	18:13	3			17:49 (2)	16:36		16:30
20	05:41	06:10 (8)	06:12	06:43	07:16				06:53			07:21
	20:29	11 06:21 (8)	19:53	19:01	18:12				16:36			16:31
21	05:42	06:14 (8)	06:13	06:44	07:17				06:54			07:22
	20:28	2 06:16 (8)	19:51	19:00	18:10				16:35			16:31
22	05:43		06:14	06:45	07:18				06:55			07:22
	20:27		19:50	18:58	18:09				16:34			16:32
23	05:44		06:15	06:46	07:19				06:56			07:23
	20:26		19:48	18:56	18:07				16:34			16:32
24	05:45		06:16	06:47	07:20				06:57			07:23
	20:26		19:47	18:54	18:06				16:33			16:33
25	05:46		06:17	06:48	06:21				06:59			07:24
	20:25		19:45	18:53	17:04				16:32			16:33
26	05:46		06:18	06:49	06:23				07:00			07:24
	20:24		19:43	18:51	17:03				16:32			16:34
27	05:47		06:19	06:50	06:24				06:53 (11)	07:01		07:25
	20:23		19:42	18:49	17:01	8			07:01 (11)	16:31		16:35
28	05:48		06:20	06:51	06:25				06:51 (11)	07:02		07:25
	20:22		19:40	18:48	17:00	12			07:03 (11)	16:31		16:35
29	05:49		06:21	06:53	06:26				06:50 (11)	07:03		07:25
	20:21		19:39	18:46	16:59	14			07:04 (11)	16:31		16:36
30	05:50		06:22	06:54	06:27				06:49 (11)	07:04		07:25
	20:20		19:37	18:44	16:57	16			07:05 (11)	16:30		16:37
31	05:51		06:23		06:28				06:50 (11)			07:26
	20:19		19:35		16:56	15			07:05 (11)			16:38
Ore potenziali eliofania	461		429	375	345				297			286
Totale, caso peggiore	554				307				68			
Probabilità di eliofania	0.68				0.52				0.47			
Tempo di operatività rid.	0.30				0.30				0.30			
Dir. del vento rid.	0.48				0.54				0.71			
Totale ridotto	0.10				0.09				0.10			
Totale effettivo	56				27				7			

Legenda della tabella:

Giorno del mese Alba (hh:mm) Tramonto (hh:mm) Inizio ombreggiamento (hh:mm) Fine ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: Shadow Flickering Analysis Recettore d'ombra: R14 - Shadow Receptor: 1.0 x 1.0 Azimuth: 0.0° Slope: 0.0° (89)
 Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
 4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
 437 192 40 16 67 346 208 192 120 99 425 524 2,665

: Soglia di cut-in dalla curva di potenza

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno				
1	07:26	07:12	07:39 (29)	06:35	06:43	07:47 (26)	05:57	05:27		
	16:38	17:13	59 16:33 (24)	17:48	19:23	66 19:00 (23)	19:56	20:26		
2	07:26	07:11	07:40 (29)	06:34	06:42	07:47 (26)	05:55	05:27		
	16:39	17:14	57 16:33 (24)	17:49	19:24	64 19:00 (23)	19:57	20:27		
3	07:26	07:10	07:41 (29)	06:32	06:40	07:49 (26)	05:54	05:26		
	16:40	17:16	55 16:33 (24)	17:50	19:25	61 19:00 (23)	19:58	20:27		
4	07:26	07:09	07:43 (29)	06:30	06:38	07:50 (26)	05:53	05:26		
	16:41	17:17	51 16:33 (24)	17:52	19:26	58 19:00 (23)	19:59	20:28		
5	07:26	07:08	07:45 (29)	06:29	07:08 (26)	06:37	07:52 (26)	05:52	05:26	
	16:42	17:18	47 16:33 (24)	17:53	15 07:23 (26)	19:27	52 18:59 (23)	20:00	20:29	
6	07:26	07:07	07:47 (29)	06:27	07:04 (26)	06:35	07:55 (26)	05:50	05:25	
	16:43	17:20	36 16:33 (24)	17:54	23 07:27 (26)	19:29	46 18:59 (23)	20:01	20:30	
7	07:26	07:05	15:57 (24)	06:26	07:01 (26)	06:33	07:59 (26)	05:49	05:25	
	16:44	17:21	34 16:31 (24)	17:55	29 07:30 (26)	19:30	34 18:57 (23)	20:02	20:30	
8	07:26	07:04	15:58 (24)	06:24	06:59 (26)	06:32	18:34 (23)	05:48	05:25	
	16:45	17:22	33 16:31 (24)	17:56	33 07:32 (26)	19:31	22 18:56 (23)	20:03	20:31	
9	07:26	07:03	15:59 (24)	06:22	06:56 (26)	06:30	18:36 (23)	05:47	05:24	
	16:46	17:23	31 16:30 (24)	17:57	37 07:33 (26)	19:32	19 18:55 (23)	20:04	20:31	
10	07:25	07:02	16:01 (24)	06:21	06:55 (26)	06:28	18:37 (23)	05:46	05:24	
	16:47	17:25	28 16:29 (24)	17:59	40 07:35 (26)	19:33	15 18:52 (23)	20:05	20:32	
11	07:25	16:03 (24)	07:01	16:01 (24)	06:19	06:53 (26)	06:27	18:39 (23)	05:44	05:24
	16:48	9 16:12 (24)	17:26	27 16:28 (24)	18:00	43 07:36 (26)	19:34	10 18:49 (23)	20:06	20:33
12	07:25	16:02 (24)	06:59	16:03 (24)	06:17	06:51 (26)	06:25		05:43	05:24
	16:49	13 16:15 (24)	17:27	23 16:26 (24)	18:01	45 07:36 (26)	19:35		20:07	20:33
13	07:25	16:00 (24)	06:58	16:06 (24)	06:16	06:50 (26)	06:24		05:42	05:24
	16:50	16 16:16 (24)	17:28	19 16:25 (24)	18:02	47 07:37 (26)	19:36		20:08	20:34
14	07:24	15:59 (24)	06:57	16:08 (24)	06:14	06:50 (26)	06:22		05:41	05:24
	16:51	19 16:18 (24)	17:30	13 16:21 (24)	18:03	48 07:38 (26)	19:37		20:10	20:34
15	07:24	07:45 (29)	06:55	06:12	06:48 (26)	06:20	05:40	05:24		
	16:52	22 16:19 (24)	17:31	18:04	50 07:38 (26)	19:38		20:11	20:34	
16	07:23	07:45 (29)	06:54	06:11	06:47 (26)	06:19	05:39	05:24		
	16:54	29 16:21 (24)	17:32	18:05	51 07:38 (26)	19:39		20:12	20:35	
17	07:23	07:44 (29)	06:53	06:09	06:47 (26)	06:17	05:38	05:24		
	16:55	33 16:22 (24)	17:33	18:07	52 07:39 (26)	19:41		20:13	20:35	
18	07:22	07:44 (29)	06:51	06:07	06:46 (26)	06:16	05:37	05:24		
	16:56	37 16:24 (24)	17:35	18:08	52 07:38 (26)	19:42		20:14	20:36	
19	07:22	07:43 (29)	06:50	06:06	06:45 (26)	06:14	05:36	05:24		
	16:57	40 16:25 (24)	17:36	18:09	53 07:38 (26)	19:43		20:14	20:36	
20	07:21	07:42 (29)	06:49	06:04	06:45 (26)	06:13	05:35	05:24		
	16:58	44 16:26 (24)	17:37	18:10	53 07:38 (26)	19:44		20:15	20:36	
21	07:21	07:42 (29)	06:47	06:02	06:45 (26)	06:11	05:35	05:24		
	16:59	47 16:27 (24)	17:38	18:11	53 07:38 (26)	19:45		20:16	20:36	
22	07:20	07:41 (29)	06:46	06:00	06:44 (26)	06:10	05:34	05:24		
	17:01	49 16:28 (24)	17:40	18:12	53 07:37 (26)	19:46		20:17	20:37	
23	07:19	07:40 (29)	06:44	05:59	06:44 (26)	06:08	05:33	05:25		
	17:02	52 16:28 (24)	17:41	18:13	52 07:36 (26)	19:47		20:18	20:37	
24	07:19	07:39 (29)	06:43	05:57	06:44 (26)	06:07	05:32	05:25		
	17:03	54 16:29 (24)	17:42	18:14	52 07:36 (26)	19:48		20:19	20:37	
25	07:18	07:39 (29)	06:41	05:55	06:44 (26)	06:05	05:31	05:25		
	17:04	57 16:30 (24)	17:43	18:15	51 07:35 (26)	19:49		20:20	20:37	
26	07:17	07:38 (29)	06:40	05:54	06:44 (26)	06:04	05:31	05:25		
	17:06	59 16:31 (24)	17:44	18:16	58 17:53 (23)	19:50		20:21	20:37	
27	07:16	07:37 (29)	06:38	05:52	06:45 (26)	06:02	05:30	05:26		
	17:07	60 16:31 (24)	17:46	18:18	64 17:57 (23)	19:51		20:22	20:37	
28	07:15	07:37 (29)	06:37	05:50	06:45 (26)	06:01	05:29	05:26		
	17:08	61 16:32 (24)	17:47	18:19	67 17:58 (23)	19:52		20:23	20:37	
29	07:15	07:37 (29)		06:48	07:45 (26)	05:59	05:29	05:27		
	17:09	61 16:32 (24)		19:20	67 18:58 (23)	19:54		20:24	20:37	
30	07:14	07:38 (29)		06:47	07:45 (26)	05:58	05:28	05:27		
	17:11	60 16:32 (24)		19:21	68 18:59 (23)	19:55		20:24	20:37	
31	07:13	07:38 (29)		06:45	07:46 (26)		05:28			
	17:12	61 16:33 (24)		19:22	67 19:00 (23)		20:25			
Ore potenziali eliofania	296	296	369	399	447	450	454			
Totale, caso peggiore	883	513	1323	447						
Probabilità di eliofania	0.43	0.44	0.44	0.50						
Tempo di operatività rid.	0.30	0.30	0.30	0.30						
Dir. del vento rid.	0.56	0.52	0.64	0.62						
Totale ridotto	0.07	0.07	0.09	0.09						
Totale effettivo	64	35	114	42						

Legenda della tabella:

Giorno del mese Alba (hh:mm) Tramonto (hh:mm) Inizio ombreggiamento (hh:mm) Fine ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: Shadow Flickering Analysis Recettore d'ombra: R14 - Shadow Receptor: 1.0 x 1.0 Azimuth: 0.0° Slope: 0.0° (89)
Assunzioni sui calcoli d'ombra

Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen	Feb	Mar	Apr	Mag	Giu	Lug	Ago	Set	Ott	Nov	Dic
4.12	4.66	5.30	6.72	8.25	9.35	10.16	9.45	7.64	5.82	4.65	3.82

Tempo di operatività

N	NNE	ENE	E	ESE	SSE	S	SSO	OSO	O	ONO	NNO	Somma
437	192	40	16	67	346	208	192	120	99	425	524	2,665

: Soglia di cut-in dalla curva di potenza

	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre		
1	05:28 20:37	05:52 20:18	06:24 19:34	18:38 (23) 18:49 (23)	06:54 18:42	07:31 (26) 16:55	15:29 (24) 16:30	07:05 15:54 (24)
2	05:28 20:37	05:53 20:16	06:25 19:32	18:36 (23) 18:51 (23)	06:55 18:40	07:31 (26) 16:53	15:29 (24) 16:29	07:06 16:29
3	05:29 20:37	05:54 20:15	06:26 19:30	18:34 (23) 18:53 (23)	06:57 18:39	07:32 (26) 16:52	15:28 (24) 16:29	07:07 16:29
4	05:29 20:37	05:55 20:14	06:27 19:29	18:32 (23) 18:54 (23)	06:58 18:37	07:33 (26) 16:51	15:27 (24) 16:29	07:08 16:29
5	05:30 20:36	05:56 20:13	06:28 19:27	07:56 (26) 18:54 (23)	06:59 18:35	07:34 (26) 16:50	16:01 (24) 16:29	07:09 16:29
6	05:30 20:36	05:57 20:12	06:29 19:25	07:50 (26) 18:54 (23)	07:00 18:34	07:36 (26) 16:49	16:03 (24) 16:28	07:10 16:28
7	05:31 20:36	05:58 20:10	06:30 19:24	07:47 (26) 18:54 (23)	07:01 18:32	07:38 (26) 16:47	16:03 (24) 16:28	07:11 16:28
8	05:32 20:35	05:59 20:09	06:31 19:22	07:45 (26) 18:54 (23)	07:02 18:30	07:41 (26) 16:46	16:03 (24) 16:28	07:12 16:28
9	05:32 20:35	06:00 20:08	06:32 19:20	07:43 (26) 18:53 (23)	07:03 18:29	07:46 (26) 16:45	16:03 (24) 16:28	07:13 16:28
10	05:33 20:35	06:01 20:07	06:33 19:18	07:41 (26) 18:53 (23)	07:04 18:27	07:55 (26) 16:44	16:04 (24) 16:28	07:14 16:28
11	05:34 20:34	06:02 20:05	06:34 19:17	07:39 (26) 18:52 (23)	07:05 18:25	06:42 16:43	16:04 (24) 16:28	07:15 16:28
12	05:34 20:34	06:03 20:04	06:35 19:15	07:38 (26) 18:52 (23)	07:06 18:24	06:43 16:42	16:04 (24) 16:28	07:16 16:28
13	05:35 20:33	06:04 20:03	06:36 19:13	07:36 (26) 18:50 (23)	07:07 18:22	06:44 16:41	16:04 (24) 16:29	07:16 16:29
14	05:36 20:33	06:05 20:01	06:37 19:12	07:35 (26) 18:49 (23)	07:09 18:21	06:45 16:40	16:04 (24) 16:29	07:17 16:29
15	05:37 20:32	06:06 20:00	06:38 19:10	07:34 (26) 18:47 (23)	07:10 18:19	06:47 16:39	16:04 (24) 16:29	07:18 16:29
16	05:37 20:31	06:07 19:58	06:39 19:08	07:33 (26) 18:45 (23)	07:11 18:17	06:48 16:38	16:04 (24) 16:29	07:19 16:29
17	05:38 20:31	06:08 19:57	06:40 19:06	07:32 (26) 18:42 (23)	07:12 18:16	06:49 16:38	16:03 (24) 16:29	07:19 16:29
18	05:39 20:30	06:09 19:55	06:41 19:05	07:31 (26) 08:23 (26)	07:13 18:14	06:50 16:37	16:03 (24) 16:30	07:20 16:30
19	05:40 20:29	06:10 19:54	06:42 19:03	07:31 (26) 08:23 (26)	07:14 18:13	06:51 16:36	16:03 (24) 16:30	07:21 16:30
20	05:41 20:29	06:11 19:53	06:43 19:01	07:30 (26) 08:23 (26)	07:15 18:11	06:53 16:35	16:03 (24) 16:31	07:21 16:31
21	05:42 20:28	06:12 19:51	06:44 18:59	07:30 (26) 08:22 (26)	07:17 18:10	06:54 16:35	16:03 (24) 16:31	07:22 16:31
22	05:43 20:27	06:13 19:49	06:45 18:58	07:29 (26) 08:22 (26)	07:18 18:08	06:55 16:34	16:02 (24) 16:31	07:22 16:31
23	05:43 20:26	06:14 19:48	06:46 18:56	07:29 (26) 08:22 (26)	07:19 18:07	06:56 16:33	16:02 (24) 16:32	07:23 16:32
24	05:44 20:25	06:15 19:46	06:47 18:54	07:29 (26) 08:21 (26)	07:20 18:05	06:57 16:33	16:02 (24) 16:33	07:23 16:33
25	05:45 20:25	06:16 19:45	06:48 18:52	07:28 (26) 08:21 (26)	06:21 17:04	06:58 16:32	16:00 (24) 16:33	07:24 16:33
26	05:46 20:24	06:17 19:43	06:49 18:51	07:28 (26) 08:20 (26)	06:22 17:03	07:00 16:32	16:00 (24) 16:34	07:24 16:34
27	05:47 20:23	06:18 19:42	06:50 18:49	07:28 (26) 08:19 (26)	06:24 17:01	15:44 (24) 16:31	16:00 (24) 16:34	07:24 16:34
28	05:48 20:22	06:19 19:40	06:51 18:47	07:30 (26) 08:20 (26)	06:25 17:00	15:37 (24) 16:31	15:39 (24) 16:35	07:25 16:35
29	05:49 20:21	06:20 19:38	06:52 18:46	07:30 (26) 08:19 (26)	06:26 16:58	15:35 (24) 16:30	15:41 (24) 16:36	07:25 16:36
30	05:50 20:20	06:22 19:37	06:53 18:44	07:30 (26) 08:17 (26)	06:27 16:57	15:33 (24) 16:30	15:42 (24) 16:37	07:25 16:37
31	05:51 20:19	06:23 19:35		06:28 16:56	06:28 16:56	15:31 (24) 15:58 (24)	15:56 (24) 16:37	07:25 16:37
Ore potenziali eliofania	461	429	375	345	297		286	
Totale, caso peggiore			1505	375		1312		9
Probabilità di eliofania			0.61	0.52		0.47		0.41
Tempo di operatività rid.			0.30	0.30		0.30		0.30
Dir. del vento rid.			0.63	0.60		0.55		0.47
Totale ridotto			0.12	0.10		0.08		0.06
Totale effettivo			176	36		102		1

Legenda della tabella:

Giorno del mese Alba (hh:mm) Tramonto (hh:mm) Inizio ombreggiamento (hh:mm) Fine ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: Shadow Flickering Analysis **Recettore d'ombra:** R15 - Shadow Receptor: 1.0 x 1.0 Azimuth: 0.0° Slope: 0.0° (90)
 Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
 4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
 437 192 40 16 67 346 208 192 120 99 425 524 2,665

: Soglia di cut-in dalla curva di potenza

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno				
1	07:26	07:12	16:47 (10)	06:35	06:44	05:57	19:30 (7)	05:27		
	16:39	17:13	2	16:49 (10)	17:48	19:23	19:56	2	19:32 (7)	20:26
2	07:26	07:11	16:46 (10)	06:34	06:42	05:56	19:28 (7)	05:27		
	16:40	17:15	5	16:51 (10)	17:49	19:24	19:57	6	19:34 (7)	20:27
3	07:26	07:10	16:45 (10)	06:32	06:40	05:54	19:27 (7)	05:27		
	16:40	17:16	7	16:52 (10)	17:51	19:25	19:58	8	19:35 (7)	20:27
4	07:26	07:09	16:45 (10)	06:30	06:39	05:53	19:26 (7)	05:26		
	16:41	17:17	9	16:54 (10)	17:52	19:26	19:59	10	19:36 (7)	20:28
5	07:26	07:08	16:45 (10)	06:29	06:37	05:52	19:24 (7)	05:26		
	16:42	17:19	10	16:55 (10)	17:53	19:28	20:00	12	19:36 (7)	20:29
6	07:26	07:07	16:45 (10)	06:27	06:35	05:51	19:24 (7)	05:25		
	16:43	17:20	12	16:57 (10)	17:54	19:29	20:01	13	19:37 (7)	20:30
7	07:26	07:05	16:44 (10)	06:26	06:34	05:49	19:24 (7)	05:25		
	16:44	17:21	13	16:57 (10)	17:55	19:30	20:02	15	19:39 (7)	20:30
8	07:26	07:04	16:45 (10)	06:24	06:32	05:48	19:24 (7)	05:25		
	16:45	17:22	14	16:59 (10)	17:56	19:31	20:03	16	19:40 (7)	20:31
9	07:26	07:03	16:45 (10)	06:22	06:30	05:47	19:24 (7)	05:25		
	16:46	17:24	15	17:00 (10)	17:58	19:32	20:04	17	19:41 (7)	20:31
10	07:25	07:02	16:47 (10)	06:21	06:29	05:46	19:24 (7)	05:24		
	16:47	17:25	13	17:00 (10)	17:59	19:33	20:05	18	19:42 (7)	20:32
11	07:25	07:01	16:47 (10)	06:19	06:27	05:45	19:24 (7)	05:24		
	16:48	17:26	11	16:58 (10)	18:00	19:34	20:06	18	19:42 (7)	20:33
12	07:25	06:59	16:50 (10)	06:17	06:25	05:44	19:25 (7)	05:24		
	16:49	17:27	6	16:56 (10)	18:01	19:35	20:07	16	19:41 (7)	20:33
13	07:25	06:58		06:16	06:24	05:42	19:25 (7)	05:24		
	16:50	17:29		18:02	19:36	20:09	16	19:41 (7)	20:34	
14	07:24	06:57		06:14	06:22	05:41	19:26 (7)	05:24		
	16:52	17:30		18:03	19:37	20:10	14	19:40 (7)	20:34	
15	07:24	06:56		06:12	06:21	05:40	19:27 (7)	05:24		
	16:53	17:31		18:04	19:38	20:11	12	19:39 (7)	20:34	
16	07:23	06:54		06:11	06:19	05:39	19:28 (7)	05:24		
	16:54	17:32		18:06	19:39	20:12	9	19:37 (7)	20:35	
17	07:23	06:53		06:09	06:17	05:38	19:31 (7)	05:24		
	16:55	17:34		18:07	19:41	20:13	4	19:35 (7)	20:35	
18	07:22	06:51		06:07	06:16	05:38		05:24		
	16:56	17:35		18:08	19:42	20:14		20:36		
19	07:22	06:50		06:06	06:14	05:37		05:24		
	16:57	17:36		18:09	19:43	20:14		20:36		
20	07:21	06:49		06:04	06:13	05:36		05:24		
	16:59	17:37		18:10	19:44	20:15		20:36		
21	07:21	06:47		06:02	06:11	05:35		05:24		
	17:00	17:39		18:11	19:45	20:16		20:36		
22	07:20	06:46		06:01	06:10	05:34		05:25		
	17:01	17:40		18:12	19:46	20:17		20:37		
23	07:19	06:44		05:59	06:08	05:33		05:25		
	17:02	17:41		18:13	19:47	20:18		20:37		
24	07:19	06:43		05:57	06:07	05:32		05:25		
	17:03	17:42		18:14	19:48	20:19		20:37		
25	07:18	06:41		05:55	06:05	05:32		05:25		
	17:05	17:43		18:15	19:49	20:20		20:37		
26	07:17	06:40		05:54	06:04	05:31		05:26		
	17:06	17:45		18:17	19:50	20:21		20:37		
27	07:16	06:38		05:52	06:02	05:30		05:26		
	17:07	17:46		18:18	19:51	20:22		20:37		
28	07:15	06:37		05:50	06:01	05:30		05:27		
	17:08	17:47		18:19	19:53	20:23		20:37		
29	07:15			06:49	06:00	05:29		05:27		
	17:10			19:20	19:54	20:24		20:37		
30	07:14			06:47	05:58	05:29		05:27		
	17:11			19:21	19:55	20:24		20:37		
31	07:13			06:45		05:28				
	17:12			19:22		20:25				
Ore potenziali eliofania	296	296		369	399	450		454		
Totale, caso peggiore			117			206				
Probabilità di eliofania			0.44			0.57				
Tempo di operatività rid.			0.30			0.30				
Dir. del vento rid.			0.49			0.68				
Totale ridotto			0.06			0.12				
Totale effettivo			7			24				

Legenda della tabella:

Giorno del mese Alba (hh:mm) Tramonto (hh:mm) Minuti d'ombra Inizio ombreggiamento (hh:mm) Fine ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: Shadow Flickering Analysis **Recettore d'ombra: R15 - Shadow Receptor: 1.0 x 1.0** Azimuth: 0.0° Slope: 0.0° (90)
 Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen	Feb	Mar	Apr	Mag	Giu	Lug	Ago	Set	Ott	Nov	Dic
4.12	4.66	5.30	6.72	8.25	9.35	10.16	9.45	7.64	5.82	4.65	3.82

Tempo di operatività

N	NNE	ENE	E	ESE	SSE	S	SSO	OSO	O	ONO	NNO	Somma
437	192	40	16	67	346	208	192	120	99	425	524	2,665

: Soglia di cut-in dalla curva di potenza

	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	05:28 20:37	05:52 20:18	19:35 (7) 19:52 (7)	06:24 19:34	06:55 18:42	06:30 16:55
2	05:28 20:37	05:53 20:16	19:35 (7) 19:53 (7)	06:25 19:32	06:56 18:41	16:15 (10) 16:30 (10)
3	05:29 20:37	05:54 20:15	19:33 (7) 19:51 (7)	06:26 19:30	06:57 18:39	16:14 (10) 16:28 (10)
4	05:29 20:37	05:55 20:14	19:33 (7) 19:50 (7)	06:27 19:29	06:58 18:37	16:14 (10) 16:27 (10)
5	05:30 20:36	05:56 20:13	19:33 (7) 19:49 (7)	06:28 19:27	06:59 18:36	16:15 (10) 16:26 (10)
6	05:31 20:36	05:57 20:12	19:33 (7) 19:48 (7)	06:29 19:25	07:00 18:34	16:14 (10) 16:25 (10)
7	05:31 20:36	05:58 20:11	19:34 (7) 19:47 (7)	06:30 19:24	07:01 18:32	16:15 (10) 16:23 (10)
8	05:32 20:35	05:59 20:09	19:34 (7) 19:45 (7)	06:31 19:22	07:02 18:31	16:15 (10) 16:22 (10)
9	05:32 20:35	06:00 20:08	19:35 (7) 19:44 (7)	06:32 19:20	07:03 18:29	16:17 (10) 16:21 (10)
10	05:33 20:35	06:01 20:07	19:36 (7) 19:43 (7)	06:33 19:19	07:04 18:27	16:18 (10) 16:20 (10)
11	05:34 20:34	06:02 20:05	19:37 (7) 19:42 (7)	06:34 19:17	07:05 18:26	06:42 16:43
12	05:35 20:34	06:03 20:04	19:40 (7) 19:41 (7)	06:35 19:15	07:06 18:24	06:43 16:42
13	05:35 20:33	06:04 20:03		06:36 19:13	07:08 18:22	06:44 16:41
14	05:36 20:33	06:05 20:01		06:37 19:12	07:09 18:21	06:45 16:40
15	05:37 20:32	06:06 20:00		06:38 19:10	07:10 18:19	06:47 16:40
16	05:38 20:31	06:07 19:58		06:39 19:08	07:11 18:18	06:48 16:39
17	05:38 20:31	06:08 19:57		06:40 19:06	07:12 18:16	06:49 16:38
18	05:39 20:30	06:09 19:56		06:41 19:05	07:13 18:15	06:50 16:37
19	05:40 20:29	06:10 19:54		06:42 19:03	07:14 18:13	06:51 16:36
20	05:41 20:29	06:11 19:53		06:43 19:01	07:15 18:12	06:53 16:36
21	05:42 20:28	06:12 19:51		06:44 19:00	07:17 18:10	06:54 16:35
22	05:43 20:27	06:14 19:50		06:45 18:58	07:18 18:09	06:55 16:34
23	05:44 20:26	06:15 19:48		06:46 18:56	07:19 18:07	06:56 16:34
24	05:45 20:25	06:16 19:46		06:47 18:54	07:20 18:06	06:57 16:33
25	05:46 20:25	06:17 19:45		06:48 18:53	06:21 17:04	06:58 16:32
26	05:46 20:24	06:18 19:43		06:49 18:51	06:22 17:03	07:00 16:32
27	05:47 20:23	19:40 (7) 19:47 (7)	06:19 19:42	06:50 18:49	06:24 17:01	07:01 16:31
28	05:48 20:22	19:38 (7) 19:49 (7)	06:20 19:40	06:51 18:47	06:25 17:00	07:02 16:31
29	05:49 20:21	19:37 (7) 19:50 (7)	06:21 19:39	06:52 18:46	06:26 16:59	07:03 16:31
30	05:50 20:20	19:36 (7) 19:51 (7)	06:22 19:37	06:54 18:44	06:27 16:57	16:19 (10) 16:26 (10)
31	05:51 20:19	19:36 (7) 19:52 (7)	06:23 19:35		06:28 16:56	16:17 (10) 16:28 (10)
Ore potenziali eliofania	461	429	375	345	297	286
Totale, caso peggiore	62	147			99	
Probabilità di eliofania	0.68	0.68			0.47	
Tempo di operatività rid.	0.30	0.30			0.30	
Dir. del vento rid.	0.68	0.68			0.49	
Totale ridotto	0.14	0.14			0.07	
Totale effettivo	9	20		1	7	

Legenda della tabella:

Giorno del mese Alba (hh:mm) Tramonto (hh:mm) Minuti d'ombra Inizio ombreggiamento (hh:mm) Fine ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: Shadow Flickering Analysis Recettore d'ombra: R17 - Shadow Receptor: 1.0 x 1.0 Azimuth: 0.0° Slope: 0.0° (92)
 Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen	Feb	Mar	Apr	Mag	Giu	Lug	Ago	Set	Ott	Nov	Dic
4.12	4.66	5.30	6.72	8.25	9.35	10.16	9.45	7.64	5.82	4.65	3.82

Tempo di operatività

N	NNE	ENE	E	ESE	SSE	S	SSO	OSO	O	ONO	NNO	Somma
437	192	40	16	67	346	208	192	120	99	425	524	2,665

: Soglia di cut-in dalla curva di potenza

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno				
1	07:26	07:12	07:32 (17)	06:35	07:14 (13)	06:43	07:07 (14)	05:57	06:16 (22)	05:27
	16:38	17:13	20 07:52 (17)	17:48	52 08:06 (13)	19:23	22 07:29 (14)	19:56	8 06:24 (22)	20:26
2	07:26	07:11	07:31 (17)	06:33	07:14 (13)	06:42	07:05 (14)	05:55	06:15 (22)	05:27
	16:39	17:14	21 07:52 (17)	17:49	53 08:07 (13)	19:24	25 07:30 (14)	19:57	10 06:25 (22)	20:27
3	07:26	07:10	07:31 (17)	06:32	07:13 (13)	06:40	07:04 (14)	05:54	06:14 (22)	05:26
	16:40	17:16	21 07:52 (17)	17:50	53 08:06 (13)	19:25	28 07:32 (14)	19:58	11 06:25 (22)	20:27
4	07:26	07:09	07:31 (17)	06:30	07:13 (13)	06:38	07:02 (14)	05:53	06:12 (22)	05:26
	16:41	17:17	21 07:52 (17)	17:52	53 08:06 (13)	19:26	30 07:32 (14)	19:59	13 06:25 (22)	20:28
5	07:26	07:07	07:32 (17)	06:29	07:13 (13)	06:37	07:00 (14)	05:52	06:11 (22)	05:26
	16:42	17:18	20 07:52 (17)	17:53	53 08:06 (13)	19:27	32 07:32 (14)	20:00	14 06:25 (22)	20:29
6	07:26	07:06	07:32 (17)	06:27	07:12 (13)	06:35	07:00 (14)	05:50	06:10 (22)	05:25
	16:43	17:20	19 07:51 (17)	17:54	54 08:06 (13)	19:28	33 07:33 (14)	20:01	15 06:25 (22)	20:29
7	07:26	07:05	07:33 (17)	06:25	07:11 (13)	06:33	06:59 (14)	05:49	06:09 (22)	05:25
	16:44	17:21	17 07:50 (17)	17:55	54 08:05 (13)	19:29	34 07:33 (14)	20:02	16 06:25 (22)	20:30
8	07:26	07:04	07:34 (17)	06:24	07:12 (13)	06:32	06:58 (14)	05:48	06:08 (22)	05:25
	16:45	17:22	16 07:50 (17)	17:56	53 08:05 (13)	19:31	35 07:33 (14)	20:03	16 06:24 (22)	20:31
9	07:25	07:03	07:36 (17)	06:22	07:12 (13)	06:30	06:58 (14)	05:47	06:08 (22)	05:24
	16:46	17:23	12 07:48 (17)	17:57	53 08:05 (13)	19:32	35 07:33 (14)	20:04	16 06:24 (22)	20:31
10	07:25	07:02	07:38 (17)	06:21	07:11 (13)	06:28	06:57 (14)	05:46	06:09 (22)	05:24
	16:47	17:25	8 07:46 (17)	17:59	53 08:04 (13)	19:33	36 07:33 (14)	20:05	14 06:23 (22)	20:32
11	07:25	07:00		06:19	07:12 (13)	06:27	06:56 (14)	05:44	06:10 (22)	05:24
	16:48	17:26		18:00	52 08:04 (13)	19:34	36 07:32 (14)	20:06	12 06:22 (22)	20:32
12	07:25	06:59		06:17	07:12 (13)	06:25	06:57 (14)	05:43	06:11 (22)	05:24
	16:49	17:27		18:01	50 08:02 (13)	19:35	35 07:32 (14)	20:07	10 06:21 (22)	20:33
13	07:24	06:58		06:16	07:12 (13)	06:24	06:57 (14)	05:42	06:14 (22)	05:24
	16:50	17:28		18:02	49 08:01 (13)	19:36	34 07:31 (14)	20:08	5 06:19 (22)	20:33
14	07:24	06:57		06:14	07:13 (13)	06:22	06:57 (14)	05:41		05:24
	16:51	17:30		18:03	48 08:01 (13)	19:37	34 07:31 (14)	20:09		20:34
15	07:24	06:55		06:12	07:13 (13)	06:20	06:57 (14)	05:40		05:24
	16:52	17:31		18:04	46 07:59 (13)	19:38	33 07:30 (14)	20:10		20:34
16	07:23	06:54		06:11	07:13 (13)	06:19	06:58 (14)	05:39		05:24
	16:54	17:32		18:05	45 07:58 (13)	19:39	31 07:29 (14)	20:11		20:35
17	07:23	06:53	07:36 (13)	06:09	07:15 (13)	06:17	06:58 (14)	05:38		05:24
	16:55	17:33	11 07:47 (13)	18:06	42 07:57 (13)	19:40	29 07:27 (14)	20:12		20:35
18	07:22	06:51	07:32 (13)	06:07	07:16 (13)	06:16	06:59 (14)	05:37		05:24
	16:56	17:35	20 07:52 (13)	18:08	39 07:55 (13)	19:41	27 07:26 (14)	20:13		20:35
19	07:22	06:50	07:28 (13)	06:05	07:17 (13)	06:14	07:00 (14)	05:36		05:24
	16:57	17:36	26 07:54 (13)	18:09	36 07:53 (13)	19:43	25 07:25 (14)	20:14		20:36
20	07:21	06:48	07:26 (13)	06:04	07:18 (13)	06:13	07:01 (14)	05:35		05:24
	16:58	17:37	31 07:57 (13)	18:10	32 07:50 (13)	19:44	21 07:22 (14)	20:15		20:36
21	07:21	06:47	07:24 (13)	06:02	07:20 (13)	06:11	07:03 (14)	05:35		05:24
	16:59	17:38	34 07:58 (13)	18:11	28 07:48 (13)	19:45	17 07:20 (14)	20:16		20:36
22	07:20	06:46	07:22 (13)	06:00	07:22 (13)	06:10	07:07 (14)	05:34		05:24
	17:01	17:40	38 08:00 (13)	18:12	23 07:45 (13)	19:46	11 07:18 (14)	20:17		20:36
23	07:19	06:44	07:20 (13)	05:59	07:26 (13)	06:08		05:33		05:25
	17:02	17:41	41 08:01 (13)	18:13	14 07:40 (13)	19:47		20:18		20:37
24	07:18	07:39 (17)	06:43	05:57		06:07		05:32		05:25
	17:03	1 07:40 (17)	17:42	43 08:03 (13)	18:14	19:48		20:19		20:37
25	07:18	07:38 (17)	06:41	05:55		06:05		05:31		05:25
	17:04	6 07:44 (17)	17:43	45 08:03 (13)	18:15	19:49		20:20		20:37
26	07:17	07:38 (17)	06:40	05:54		06:04		05:31		05:26
	17:06	9 07:47 (17)	17:44	48 08:05 (13)	18:16	19:50		20:21		20:37
27	07:16	07:37 (17)	06:38	05:52		06:02		05:30		05:26
	17:07	11 07:48 (17)	17:46	49 08:05 (13)	18:17	19:51		20:22		20:37
28	07:15	07:36 (17)	06:37	05:50		06:01		05:29		05:26
	17:08	13 07:49 (17)	17:47	50 08:06 (13)	18:19	19:52		20:23		20:37
29	07:14	07:35 (17)		06:48		05:59	06:19 (22)	05:29		05:27
	17:09	15 07:50 (17)		19:20		19:53	3 06:22 (22)	20:23		20:37
30	07:14	07:34 (17)		06:47	07:13 (14)	05:58	06:18 (22)	05:28		05:27
	17:11	16 07:50 (17)		19:21	10 07:23 (14)	19:55	5 06:23 (22)	20:24		20:37
31	07:13	07:33 (17)		06:45		07:10 (14)		05:28		
	17:12	18 07:51 (17)		19:22	17 07:27 (14)			20:25		
Ore potenziali eliofania	296	296	369	1062	651	450	160			454
Totale, caso peggiore	89	611	1062	651	450	160	0.57			
Probabilità di eliofania	0.43	0.44	0.44	0.44	0.50	0.57	0.30			
Tempo di operatività rid.	0.30	0.30	0.30	0.30	0.30	0.30	0.30			
Dir. del vento rid.	0.73	0.70	0.68	0.68	0.57	0.49	0.09			
Totale ridotto	0.10	0.09	0.09	0.09	0.09	0.09	0.09			
Totale effettivo	9	58	99	58	14					

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento)
 Tramonto (hh:mm) Minuti d'ombra Fine ombreggiamento (hh:mm) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: Shadow Flickering Analysis Recettore d'ombra: R17 - Shadow Receptor: 1.0 x 1.0 Azimuth: 0.0° Slope: 0.0° (92)
 Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
 4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
 437 192 40 16 67 346 208 192 120 99 425 524 2,665

: Soglia di cut-in dalla curva di potenza

	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	05:28 20:37	05:52 20:17	06:20 (22) 19:33	06:24 19:33	06:56 (14) 18:42	07:52 (13) 16:55
2	05:28 20:37	05:53 20:16	06:19 (22) 19:32	06:25 19:32	06:56 (14) 18:40	07:51 (13) 16:53
3	05:29 20:37	05:54 20:15	06:18 (22) 19:30	06:26 19:30	06:56 (14) 18:39	07:50 (13) 16:52
4	05:29 20:36	05:55 20:14	06:18 (22) 19:28	06:27 19:28	06:55 (14) 18:37	07:49 (13) 16:51
5	05:30 20:36	05:56 20:13	06:18 (22) 19:27	06:28 19:27	06:55 (14) 18:35	07:49 (13) 16:50
6	05:30 20:36	05:57 20:12	06:19 (22) 19:25	06:29 19:25	06:55 (14) 18:34	07:48 (13) 16:49
7	05:31 20:36	05:58 20:10	06:20 (22) 19:23	06:30 19:23	06:55 (14) 18:32	07:48 (13) 16:47
8	05:32 20:35	05:59 20:09	06:21 (22) 19:22	06:31 19:22	06:56 (14) 18:30	07:47 (13) 16:46
9	05:32 20:35	06:00 20:08	06:22 (22) 19:20	06:32 19:20	06:57 (14) 18:29	07:47 (13) 16:45
10	05:33 20:34	06:01 20:06	06:23 (22) 19:18	06:33 19:18	06:58 (14) 18:27	07:47 (13) 16:44
11	05:34 20:34	06:02 20:05	06:24 (22) 19:17	06:34 19:17	06:59 (14) 18:25	07:48 (13) 16:43
12	05:34 20:34	06:03 20:04	06:25 (22) 19:15	06:35 19:15	07:01 (14) 18:24	07:48 (13) 16:42
13	05:35 20:33	06:04 20:02	06:26 (22) 19:13	06:36 19:13	07:04 (14) 18:22	07:48 (13) 16:41
14	05:36 20:32	06:05 20:01	06:27 (22) 19:11	06:37 19:11	07:15 (14) 18:21	08:39 (13) 16:41
15	05:37 20:32	06:06 20:00	06:29 (22) 19:10	06:38 19:10	07:10 18:19	08:38 (13) 16:39
16	05:37 20:31	06:07 19:58	06:30 19:08	06:39 19:08	07:11 18:17	07:49 (13) 16:38
17	05:38 20:31	06:08 19:57	06:40 19:06	06:40 19:06	07:12 18:16	07:51 (13) 16:38
18	05:39 20:30	06:09 19:55	06:41 19:05	06:41 19:05	07:13 18:14	07:51 (13) 16:37
19	05:40 20:29	06:10 19:54	06:42 19:03	06:42 19:03	07:14 18:13	07:52 (13) 16:36
20	05:41 20:29	06:11 19:52	06:43 19:01	06:43 19:01	08:14 (13) 18:11	07:53 (13) 16:35
21	05:42 20:28	06:12 19:51	07:11 (14) 18:59	06:44 18:59	08:09 (13) 18:10	07:55 (13) 16:35
22	05:43 20:27	06:13 19:49	07:08 (14) 18:58	06:45 18:58	08:05 (13) 18:08	07:57 (13) 16:34
23	05:43 20:26	06:14 19:48	07:05 (14) 18:56	06:46 18:56	08:03 (13) 18:07	07:59 (13) 16:33
24	05:44 20:25	06:15 19:46	07:04 (14) 18:54	06:47 18:54	08:00 (13) 18:05	08:02 (13) 16:33
25	05:45 20:24	06:16 19:45	07:29 (14) 18:52	06:48 18:52	07:59 (13) 17:04	08:21 (13) 16:32
26	05:46 20:23	06:17 19:43	07:30 (14) 18:51	06:49 18:51	08:37 (13) 17:03	07:08 (13) 16:32
27	05:47 20:23	06:18 19:42	07:00 (14) 18:49	06:50 18:49	07:55 (13) 17:01	07:01 16:31
28	05:48 20:22	06:19 19:40	07:31 (14) 18:47	06:51 18:47	08:39 (13) 17:00	07:02 16:31
29	05:49 20:21	06:20 19:38	06:58 (14) 18:46	06:52 18:46	07:53 (13) 16:58	07:03 16:30
30	05:50 20:20	06:21 19:37	07:32 (14) 18:44	06:53 18:44	08:40 (13) 16:57	07:04 16:30
31	05:51 20:18	06:22 (22) 06:29 (22)	06:23 19:35	06:57 (14) 19:35	08:41 (13) 16:56	16:30 16:29
Ore potenziali eliofania	461	7	429	375	345	297
Totale, caso peggiore	7		462	762	1105	269
Probabilità di eliofania	0.68		0.68	0.61	0.52	0.47
Tempo di operatività rid.	0.30		0.30	0.30	0.30	0.30
Dir. del vento rid.	0.49		0.54	0.63	0.68	0.73
Totale ridotto	0.10		0.11	0.12	0.11	0.11
Totale effettivo	1		53	90	122	29

Legenda della tabella:

Giorno del mese Alba (hh:mm) Tramonto (hh:mm) Minuti d'ombra Inizio ombreggiamento (hh:mm) Fine ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: Shadow Flickering Analysis Recettore d'ombra: R18 - Shadow Receptor: 1.0 x 1.0 Azimuth: 0.0° Slope: 0.0° (93)
 Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
 4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
 437 192 40 16 67 346 208 192 120 99 425 524 2,665

: Soglia di cut-in dalla curva di potenza

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno
1	07:25 16:38	07:11 17:13	06:35 17:48	06:43 19:23	18:12 (22) 18:45 (22)	05:57 19:55
2	07:26 16:39	07:11 17:14	06:33 17:49	06:41 19:24	18:13 (22) 18:43 (22)	05:55 19:57
3	07:26 16:40	07:09 17:16	06:32 17:50	06:40 19:25	18:13 (22) 18:42 (22)	05:54 19:58
4	07:26 16:41	07:08 17:17	06:30 17:51	06:38 19:26	18:14 (22) 18:41 (22)	05:53 19:59
5	07:26 16:42	07:07 17:18	06:28 17:53	06:36 19:27	18:15 (22) 18:39 (22)	05:51 20:00
6	07:26 16:43	07:06 17:19	06:27 17:54	06:35 19:28	18:16 (22) 18:36 (22)	05:50 20:01
7	07:26 16:44	07:05 17:21	06:25 17:55	06:33 19:29	18:19 (22) 18:34 (22)	05:49 20:02
8	07:25 16:45	07:04 17:22	06:24 17:56	06:31 19:30	18:24 (22) 18:29 (22)	05:48 20:03
9	07:25 16:46	07:03 17:23	06:22 17:57	06:30 19:32	18:29 (22) 19:04	05:47 20:04
10	07:25 16:47	07:02 17:24	06:20 17:58	06:28 19:33	19:04 19:05	05:45 20:05
11	07:25 16:48	07:00 17:26	06:19 18:00	06:27 19:34	19:05 19:06	05:44 20:06
12	07:25 16:49	06:59 17:27	06:17 18:01	06:25 19:35	19:06 19:07	05:43 20:07
13	07:24 16:50	06:58 17:28	06:15 18:02	06:23 19:36	19:07 19:08	05:42 20:08
14	07:24 16:51	06:57 17:30	06:14 18:03	06:22 19:37	19:08 19:09	05:41 20:09
15	07:23 16:52	06:55 17:31	17:06 (14) 17:08 (14)	06:12 18:04	06:20 19:38	05:40 20:10
16	07:23 16:53	06:54 17:32	17:03 (14) 17:09 (14)	06:10 18:05	06:19 19:39	05:39 20:11
17	07:23 16:55	06:52 17:33	17:02 (14) 17:11 (14)	06:09 18:06	17:28 (22) 17:37 (22)	06:17 19:40
18	07:22 16:56	06:51 17:35	17:02 (14) 17:13 (14)	06:07 18:07	17:24 (22) 17:41 (22)	06:15 19:41
19	07:22 16:57	06:50 17:36	17:01 (14) 17:13 (14)	06:05 18:09	17:21 (22) 17:43 (22)	06:14 19:42
20	07:21 16:58	06:48 17:37	17:01 (14) 17:15 (14)	06:04 18:10	17:19 (22) 17:44 (22)	06:12 19:44
21	07:20 16:59	06:47 17:38	17:01 (14) 17:16 (14)	06:02 18:11	17:18 (22) 17:46 (22)	06:11 19:45
22	07:20 17:01	06:45 17:39	17:01 (14) 17:18 (14)	06:00 18:12	17:16 (22) 17:46 (22)	06:09 19:46
23	07:19 17:02	06:44 17:41	17:01 (14) 17:17 (14)	05:58 18:13	17:15 (22) 17:47 (22)	06:08 19:47
24	07:18 17:03	06:42 17:42	17:03 (14) 17:16 (14)	05:57 18:14	17:14 (22) 17:47 (22)	06:06 19:48
25	07:18 17:04	06:41 17:43	17:04 (14) 17:14 (14)	05:55 18:15	17:14 (22) 17:48 (22)	06:05 19:49
26	07:17 17:05	06:39 17:44	17:07 (14) 17:11 (14)	05:53 18:16	17:13 (22) 17:47 (22)	06:04 19:50
27	07:16 17:07	06:38 17:45	05:52 18:17	17:12 (22) 19:51	06:02 19:52	05:30 20:22
28	07:15 17:08	06:36 17:47	05:50 18:18	17:12 (22) 19:52	06:01 19:53	05:29 20:23
29	07:14 17:09		06:48 19:20	18:12 (22) 19:53	05:59 19:54	05:29 20:23
30	07:13 17:10		06:47 19:21	18:12 (22) 19:54	05:58 19:55	05:28 20:24
31	07:12 17:12		06:45 19:22	18:12 (22) 18:46 (22)	05:58 19:56	05:28 20:25
Ore potenziali eliofania	296	296	369	399	450	454
Totale, caso peggiore		129	437	183		
Probabilità di eliofania		0.44	0.44	0.50		
Tempo di operatività rid.		0.30	0.30	0.30		
Dir. del vento rid.		0.49	0.57	0.57		
Totale ridotto		0.07	0.08	0.09		
Totale effettivo		8	34	16		

Legenda della tabella:

Giorno del mese Alba (hh:mm) Tramonto (hh:mm) Minuti d'ombra Inizio ombreggiamento (hh:mm) Fine ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: Shadow Flickering Analysis Recettore d'ombra: R18 - Shadow Receptor: 1.0 x 1.0 Azimuth: 0.0° Slope: 0.0° (93)
 Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
 4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
 437 192 40 16 67 346 208 192 120 99 425 524 2,665
 : Soglia di cut-in dalla curva di potenza

	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	05:27	05:52	06:23	06:54	06:29	07:05
	20:37	20:17	19:33	18:42	16:54	16:29
2	05:28	05:53	06:24	06:55	06:30	07:06
	20:37	20:16	19:32	18:40	16:53	16:29
3	05:28	05:54	06:25	06:56	06:32	07:07
	20:36	20:15	19:30	18:39	16:52	16:29
4	05:29	05:55	06:26	18:21 (22) 06:57	06:33	07:08
	20:36	20:14	19:28	18:26 (22) 18:37	16:51	16:29
5	05:30	05:56	06:27	18:16 (22) 06:58	06:34	07:09
	20:36	20:13	19:27	18:30 (22) 18:35	16:50	16:28
6	05:30	05:57	06:28	18:13 (22) 07:00	06:35	07:10
	20:36	20:11	19:25	18:32 (22) 18:33	16:48	16:28
7	05:31	05:58	06:29	18:10 (22) 07:01	06:37	07:11
	20:35	20:10	19:23	18:34 (22) 18:32	16:47	16:28
8	05:31	05:59	06:31	18:09 (22) 07:02	06:38	07:12
	20:35	20:09	19:22	18:35 (22) 18:30	16:46	16:28
9	05:32	06:00	06:32	18:07 (22) 07:03	06:39	07:13
	20:35	20:08	19:20	18:36 (22) 18:29	16:45	16:28
10	05:33	06:01	06:33	18:06 (22) 07:04	06:40	07:14
	20:34	20:06	19:18	18:36 (22) 18:27	16:44	16:28
11	05:33	06:02	06:34	18:05 (22) 07:05	06:41	07:14
	20:34	20:05	19:16	18:37 (22) 18:25	16:43	16:28
12	05:34	06:03	06:35	18:04 (22) 07:06	06:43	07:15
	20:33	20:04	19:15	18:37 (22) 18:24	16:42	16:28
13	05:35	06:04	06:36	18:03 (22) 07:07	06:44	07:16
	20:33	20:02	19:13	18:37 (22) 18:22	16:41	16:28
14	05:36	06:05	06:37	18:02 (22) 07:08	06:45	07:17
	20:32	20:01	19:11	18:37 (22) 18:20	16:40	16:29
15	05:36	06:06	06:38	18:02 (22) 07:09	06:46	07:18
	20:32	20:00	19:10	18:37 (22) 18:19	16:39	16:29
16	05:37	06:07	06:39	18:01 (22) 07:11	17:37 (14) 06:48	07:18
	20:31	19:58	19:08	18:36 (22) 18:17	17:44 (14) 16:38	16:29
17	05:38	06:08	06:40	18:01 (22) 07:12	17:34 (14) 06:49	07:19
	20:31	19:57	19:06	18:36 (22) 18:16	17:46 (14) 16:37	16:29
18	05:39	06:09	06:41	18:01 (22) 07:13	17:34 (14) 06:50	07:20
	20:30	19:55	19:04	18:35 (22) 18:14	17:48 (14) 16:37	16:30
19	05:40	06:10	06:42	18:01 (22) 07:14	17:33 (14) 06:51	07:20
	20:29	19:54	19:03	18:34 (22) 18:13	17:48 (14) 16:36	16:30
20	05:41	06:11	06:43	18:01 (22) 07:15	17:32 (14) 06:52	07:21
	20:28	19:52	19:01	18:33 (22) 18:11	17:48 (14) 16:35	16:30
21	05:41	06:12	06:44	18:01 (22) 07:16	17:31 (14) 06:53	07:21
	20:28	19:51	18:59	18:32 (22) 18:10	17:46 (14) 16:34	16:31
22	05:42	06:13	06:45	18:02 (22) 07:17	17:31 (14) 06:55	07:22
	20:27	19:49	18:57	18:31 (22) 18:08	17:44 (14) 16:34	16:31
23	05:43	06:14	06:46	18:03 (22) 07:19	17:32 (14) 06:56	07:22
	20:26	19:48	18:56	18:29 (22) 18:07	17:43 (14) 16:33	16:32
24	05:44	06:15	06:47	18:04 (22) 07:20	17:32 (14) 06:57	07:23
	20:25	19:46	18:54	18:27 (22) 18:05	17:42 (14) 16:33	16:32
25	05:45	06:16	06:48	18:06 (22) 06:21	16:32 (14) 06:58	07:23
	20:24	19:45	18:52	18:25 (22) 17:04	16:40 (14) 16:32	16:33
26	05:46	06:17	06:49	18:09 (22) 06:22	16:33 (14) 06:59	07:24
	20:23	19:43	18:51	18:21 (22) 17:02	16:38 (14) 16:31	16:34
27	05:47	06:18	06:50	06:23	16:36 (14) 07:00	07:24
	20:22	19:41	18:49	17:01	16:38 (14) 16:31	16:34
28	05:48	06:19	06:51	06:24	07:02	07:24
	20:21	19:40	18:47	17:00	16:31	16:35
29	05:49	06:20	06:52	06:26	07:03	07:25
	20:20	19:38	18:45	16:58	16:30	16:36
30	05:50	06:21	06:53	06:27	07:04	07:25
	20:19	19:37	18:44	16:57	16:30	16:36
31	05:51	06:22		06:28		07:25
	20:18	19:35		16:56		16:37
Ore potenziali eliofania	461	429	375	345	297	286
Totale, caso peggiore			625	128		
Probabilità di eliofania			0.61	0.52		
Tempo di operatività rid.			0.30	0.30		
Dir. del vento rid.			0.57	0.49		
Totale ridotto			0.11	0.08		
Totale effettivo			66	10		

Legenda della tabella:

Giorno del mese Alba (hh:mm) Tramonto (hh:mm) Inizio ombreggiamento (hh:mm) Fine ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: Shadow Flickering Analysis Recettore d'ombra: R19 - Shadow Receptor: 1.0 x 1.0 Azimuth: 0.0° Slope: 0.0° (94)
 Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen	Feb	Mar	Apr	Mag	Giu	Lug	Ago	Set	Ott	Nov	Dic
4.12	4.66	5.30	6.72	8.25	9.35	10.16	9.45	7.64	5.82	4.65	3.82

Tempo di operatività

N	NNE	ENE	E	ESE	SSE	S	SSO	OSO	O	ONO	NNO	Somma
437	192	40	16	67	346	208	192	120	99	425	524	2,665

: Soglia di cut-in dalla curva di potenza

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno
1	07:25	07:11	06:35	06:43	05:57	18:44 (19) 05:27 19:53 (16)
	16:38	17:13	17:48	19:23	19:55	38 19:22 (19) 20:26 8 20:01 (16)
2	07:25	07:10	06:33	06:42	05:55	18:44 (19) 05:27 19:52 (16)
	16:39	17:14	17:49	19:24	19:57	39 19:23 (19) 20:26 9 20:01 (16)
3	07:26	07:09	06:32	06:40	05:54	18:44 (19) 05:26 19:52 (16)
	16:40	17:16	17:50	19:25	19:58	39 19:23 (19) 20:27 10 20:02 (16)
4	07:26	07:08	06:30	06:38	05:53	18:43 (19) 05:26 19:52 (16)
	16:41	17:17	17:51	19:26	19:59	39 19:22 (19) 20:28 11 20:03 (16)
5	07:26	07:07	06:28	06:37	05:51	18:43 (19) 05:25 19:51 (16)
	16:42	17:18	17:53	19:27	20:00	40 19:23 (19) 20:28 12 20:03 (16)
6	07:26	07:06	06:27	06:35	05:50	18:43 (19) 05:25 19:51 (16)
	16:43	17:19	17:54	19:28	20:01	40 19:23 (19) 20:29 13 20:04 (16)
7	07:25	07:05	06:25	06:33	05:49	18:43 (19) 05:25 19:51 (16)
	16:44	17:21	17:55	19:29	20:02	40 19:23 (19) 20:30 13 20:04 (16)
8	07:25	07:04	06:24	06:32	05:48	18:43 (19) 05:25 19:51 (16)
	16:45	17:22	17:56	19:30	20:03	40 19:23 (19) 20:30 14 20:05 (16)
9	07:25	07:03	06:22	06:30	05:47	18:43 (19) 05:24 19:50 (16)
	16:46	17:23	17:57	19:32	20:04	40 19:23 (19) 20:31 15 20:05 (16)
10	07:25	07:02	06:20	06:28	05:45	18:44 (19) 05:24 19:50 (16)
	16:47	17:25	17:58	19:33	20:05	38 19:22 (19) 20:32 16 20:06 (16)
11	07:25	07:00	06:19	06:27	05:44	18:43 (19) 05:24 19:50 (16)
	16:48	17:26	18:00	19:34	20:06	38 19:21 (19) 20:32 16 20:06 (16)
12	07:24	06:59	06:17	06:25	05:43	18:44 (19) 05:24 19:50 (16)
	16:49	17:27	18:01	19:35	20:07	37 19:21 (19) 20:33 17 20:07 (16)
13	07:24	06:58	06:15	06:23	05:42	18:44 (19) 05:24 19:50 (16)
	16:50	17:28	18:02	19:36	20:08	36 19:20 (19) 20:33 17 20:07 (16)
14	07:24	06:56	06:14	06:22	05:41	18:44 (19) 05:24 19:50 (16)
	16:51	17:30	18:03	19:37	20:09	36 19:20 (19) 20:34 18 20:08 (16)
15	07:23	06:55	06:12	06:20	05:40	18:45 (19) 05:24 19:51 (16)
	16:52	17:31	18:04	19:38	6 19:16 (15) 20:10 34 19:19 (19) 20:34 17 20:08 (16)	
16	07:23	06:54	06:10	06:19	05:39	18:47 (19) 05:24 19:51 (16)
	16:53	17:32	18:05	19:39	10 19:17 (15) 20:11 32 19:19 (19) 20:34 18 20:09 (16)	
17	07:23	06:52	06:09	06:17	05:38	18:47 (19) 05:24 19:51 (16)
	16:55	17:33	18:06	19:40	12 19:18 (15) 20:12 32 19:19 (19) 20:35 18 20:09 (16)	
18	07:22	06:51	06:07	06:16	05:37	18:48 (19) 05:24 19:51 (16)
	16:56	17:35	18:07	19:41	15 19:19 (15) 20:13 30 19:18 (19) 20:35 18 20:09 (16)	
19	07:22	06:50	06:05	06:14	05:36	18:49 (19) 05:24 19:51 (16)
	16:57	17:36	18:09	19:42	16 19:20 (15) 20:14 28 19:17 (19) 20:35 18 20:09 (16)	
20	07:21	06:48	06:04	06:12	05:35	18:49 (19) 05:24 19:52 (16)
	16:58	17:37	18:10	19:43	19 19:21 (15) 20:15 27 19:16 (19) 20:36 18 20:10 (16)	
21	07:20	06:47	06:02	06:11	05:35	18:50 (19) 05:24 19:52 (16)
	16:59	17:38	18:11	19:45	23 19:22 (15) 20:16 25 19:15 (19) 20:36 18 20:10 (16)	
22	07:20	06:45	06:00	06:09	05:34	18:52 (19) 05:24 19:52 (16)
	17:01	17:39	18:12	19:46	28 19:23 (15) 20:17 22 19:14 (19) 20:36 18 20:10 (16)	
23	07:19	06:44	05:58	06:08	05:33	18:53 (19) 05:25 19:52 (16)
	17:02	17:41	18:13	19:47	30 19:23 (15) 20:18 20 19:13 (19) 20:36 18 20:10 (16)	
24	07:18	06:42	05:57	06:06	05:32	18:55 (19) 05:25 19:53 (16)
	17:03	17:42	18:14	19:48	32 19:23 (15) 20:19 16 19:11 (19) 20:37 18 20:11 (16)	
25	07:18	06:41	05:55	06:05	05:31	18:57 (19) 05:25 19:53 (16)
	17:04	17:43	18:15	19:49	33 19:22 (15) 20:20 13 19:10 (19) 20:37 18 20:11 (16)	
26	07:17	06:39	05:53	06:04	05:31	18:48 (19) 05:25 19:53 (16)
	17:06	17:44	18:16	19:50	33 19:21 (15) 20:21 7 19:07 (19) 20:37 18 20:11 (16)	
27	07:16	06:38	05:52	06:02	05:30	18:47 (19) 05:26 19:54 (16)
	17:07	17:46	18:17	19:51	33 19:20 (19) 20:21 20:37 17 20:11 (16)	
28	07:15	06:36	05:50	06:01	05:29	18:46 (19) 05:26 19:54 (16)
	17:08	17:47	18:18	19:52	35 19:21 (19) 20:22 20:37 17 20:11 (16)	
29	07:14		06:48	05:59	05:29	18:46 (19) 05:27 19:53 (16)
	17:09		19:20	19:53	36 19:22 (19) 20:23 20:37 18 20:11 (16)	
30	07:13		06:47	05:58	05:28	18:44 (19) 05:28 19:54 (16)
	17:11		19:21	19:54	38 19:22 (19) 20:24 3 19:59 (16) 20:37 17 20:11 (16)	
31	07:12		06:45		05:28	19:54 (16)
	17:12		19:22		20:25 5 19:59 (16)	
Ore potenziali eliofania	296	296	369	399	450	454
Totale, caso peggiore				399	834	473
Probabilità di eliofania				0.50	0.57	0.62
Tempo di operatività rid.				0.30	0.30	0.30
Dir. del vento rid.				0.65	0.65	0.74
Totale ridotto				0.10	0.11	0.14
Totale effettivo				40	94	66

Legenda della tabella:

Giorno del mese Alba (hh:mm) Tramonto (hh:mm) Inizio ombreggiamento (hh:mm) Fine ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: Shadow Flickering Analysis **Recettore d'ombra:** R19 - Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (94)
 Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
 4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
 437 192 40 16 67 346 208 192 120 99 425 524 2,665

: Soglia di cut-in dalla curva di potenza

	Luglio		Agosto		Settembre		Ottobre		Novembre		Dicembre	
1	05:27	19:54 (16)	05:52	18:54 (19)	06:23	06:54	06:29	07:05				
	20:37	17 20:11 (16)	20:17	37 19:31 (19)	19:33	18:42	16:54	16:29				
2	05:28	19:55 (16)	05:53	18:54 (19)	06:24	06:55	06:30	07:06				
	20:37	16 20:11 (16)	20:16	38 19:32 (19)	19:32	18:40	16:53	16:29				
3	05:29	19:55 (16)	05:54	18:53 (19)	06:25	06:56	06:32	07:07				
	20:36	15 20:10 (16)	20:15	39 19:32 (19)	19:30	18:39	16:52	16:29				
4	05:29	19:56 (16)	05:55	18:53 (19)	06:26	06:57	06:33	07:08				
	20:36	15 20:11 (16)	20:14	39 19:32 (19)	19:28	18:37	16:51	16:29				
5	05:30	19:57 (16)	05:56	18:53 (19)	06:28	06:58	06:34	07:09				
	20:36	14 20:11 (16)	20:13	39 19:32 (19)	19:27	18:35	16:50	16:29				
6	05:30	19:57 (16)	05:57	18:53 (19)	06:29	07:00	06:35	07:10				
	20:36	13 20:10 (16)	20:11	39 19:32 (19)	19:25	18:34	16:48	16:28				
7	05:31	19:58 (16)	05:58	18:52 (19)	06:30	07:01	06:37	07:11				
	20:35	12 20:10 (16)	20:10	40 19:32 (19)	19:23	18:32	16:47	16:28				
8	05:31	19:58 (16)	05:59	18:52 (19)	06:31	07:02	06:38	07:12				
	20:35	11 20:09 (16)	20:09	40 19:32 (19)	19:22	18:30	16:46	16:28				
9	05:32	19:59 (16)	06:00	18:52 (19)	06:32	07:03	06:39	07:13				
	20:35	10 20:09 (16)	20:08	40 19:32 (19)	19:20	18:29	16:45	16:28				
10	05:33	20:00 (16)	06:01	18:52 (19)	06:33	07:04	06:40	07:14				
	20:34	9 20:09 (16)	20:06	40 19:32 (19)	19:18	18:27	16:44	16:28				
11	05:34	20:00 (16)	06:02	18:53 (19)	06:34	07:05	06:41	07:14				
	20:34	8 20:08 (16)	20:05	38 19:31 (19)	19:16	18:25	16:43	16:28				
12	05:34	20:02 (16)	06:03	18:53 (19)	06:35	07:06	06:43	07:15				
	20:33	6 20:08 (16)	20:04	38 19:31 (19)	19:15	18:24	16:42	16:28				
13	05:35	20:03 (16)	06:04	18:53 (19)	06:36	07:07	06:44	07:16				
	20:33	5 20:08 (16)	20:02	37 19:30 (19)	19:13	18:22	16:41	16:28				
14	05:36	06:05	18:53 (19)	06:37	07:08	06:45	07:17					
	20:32	06:01	37 19:30 (19)	19:11	18:20	16:40	16:29					
15	05:37	06:06	18:54 (19)	06:38	07:09	06:46	07:18					
	20:32	19:59	35 19:29 (19)	19:10	18:19	16:39	16:29					
16	05:37	06:07	18:55 (19)	06:39	07:11	06:47	07:18					
	20:31	19:58	33 19:28 (19)	19:08	18:17	16:38	16:29					
17	05:38	06:08	18:55 (19)	06:40	07:12	06:49	07:19					
	20:30	19:57	33 19:28 (15)	19:06	18:16	16:38	16:29					
18	05:39	19:08 (19)	06:09	18:56 (19)	06:41	07:13	06:50	07:20				
	20:30	10 19:18 (19)	19:55	32 19:28 (15)	19:04	18:14	16:37	16:30				
19	05:40	19:06 (19)	06:10	18:57 (19)	06:42	07:14	06:51	07:20				
	20:29	15 19:21 (19)	19:54	32 19:29 (15)	19:03	18:13	16:36	16:30				
20	05:41	19:04 (19)	06:11	18:59 (19)	06:43	07:15	06:52	07:21				
	20:28	18 19:22 (19)	19:52	30 19:29 (15)	19:01	18:11	16:35	16:31				
21	05:42	19:02 (19)	06:12	19:01 (19)	06:44	07:16	06:53	07:21				
	20:28	21 19:23 (19)	19:51	27 19:28 (15)	18:59	18:10	16:35	16:31				
22	05:42	19:01 (19)	06:13	19:04 (19)	06:45	07:17	06:55	07:22				
	20:27	24 19:25 (19)	19:49	23 19:27 (15)	18:57	18:08	16:34	16:31				
23	05:43	19:00 (19)	06:14	19:07 (15)	06:46	07:19	06:56	07:22				
	20:26	26 19:26 (19)	19:48	18 19:25 (15)	18:56	18:07	16:33	16:32				
24	05:44	19:00 (19)	06:15	19:07 (15)	06:47	07:20	06:57	07:23				
	20:25	27 19:27 (19)	19:46	17 19:24 (15)	18:54	18:05	16:33	16:33				
25	05:45	18:59 (19)	06:16	19:08 (15)	06:48	06:21	06:58	07:23				
	20:24	29 19:28 (19)	19:45	14 19:22 (15)	18:52	17:04	16:32	16:33				
26	05:46	18:58 (19)	06:17	19:09 (15)	06:49	06:22	06:59	07:24				
	20:23	31 19:29 (19)	19:43	12 19:21 (15)	18:51	17:02	16:32	16:34				
27	05:47	18:58 (19)	06:18	19:10 (15)	06:50	06:23	07:00	07:24				
	20:22	32 19:30 (19)	19:41	9 19:19 (15)	18:49	17:01	16:31	16:34				
28	05:48	18:56 (19)	06:19	19:13 (15)	06:51	06:24	07:01	07:24				
	20:21	33 19:29 (19)	19:40	5 19:18 (15)	18:47	17:00	16:31	16:35				
29	05:49	18:55 (19)	06:20	06:52	06:26	07:03	07:25					
	20:20	35 19:30 (19)	19:38	18:45	16:58	16:30	16:36					
30	05:50	18:55 (19)	06:21	06:53	06:27	07:04	07:25					
	20:19	36 19:31 (19)	19:37	18:44	16:57	16:30	16:37					
31	05:51	18:54 (19)	06:22	06:56	06:28	07:05	07:25					
	20:18	37 19:31 (19)	19:35	16:56	16:30	16:37	16:37					
Ore potenziali eliofania	461		429		375		345		297			286
Totale, caso peggiore	525		861									
Probabilità di eliofania	0.68		0.68									
Tempo di operatività rid.	0.30		0.30									
Dir. del vento rid.	0.68		0.65									
Totale ridotto	0.14		0.13									
Totale effettivo	74		116									

Legenda della tabella:

Giorno del mese Alba (hh:mm) Tramonto (hh:mm) Minuti d'ombra Inizio ombreggiamento (hh:mm) Fine ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: Shadow Flickering Analysis **Recettore d'ombra: R2** - Shadow Receptor: 1.0 x 1.0 Azimuth: 0.0° Slope: 0.0° (77)
 Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
 4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
 437 192 40 16 67 346 208 192 120 99 425 524 2,665

: Soglia di cut-in dalla curva di potenza

	Gennaio		Febbraio		Marzo		Aprile		Maggio		Giugno	
1	07:26	12:02 (4)	07:12	06:35	06:44				05:57	06:16 (24)	05:27	
	16:39	68 13:10 (4)	17:13	17:48	19:23				19:56	14 06:30 (24)	20:26	
2	07:26	12:03 (4)	07:11	06:34	06:42				05:56	06:15 (24)	05:27	
	16:39	67 13:10 (4)	17:15	17:49	19:24				19:57	14 06:29 (24)	20:27	
3	07:26	12:04 (4)	07:10	06:32	06:40				05:54	06:17 (24)	05:26	
	16:40	66 13:10 (4)	17:16	17:51	19:25				19:58	11 06:28 (24)	20:28	
4	07:26	12:05 (4)	07:09	06:30	06:39				05:53	06:18 (24)	05:26	
	16:41	65 13:10 (4)	17:17	17:52	19:26				19:59	8 06:26 (24)	20:28	
5	07:26	12:06 (4)	07:08	06:29	06:37				05:52		05:26	
	16:42	64 13:10 (4)	17:18	17:53	19:28				20:00		20:29	
6	07:26	12:06 (4)	07:07	06:27	06:35				05:50		05:25	
	16:43	63 13:09 (4)	17:20	17:54	19:29				20:01		20:30	
7	07:26	12:08 (4)	07:06	06:26	06:34				05:49		05:25	
	16:44	61 13:09 (4)	17:21	17:55	19:30				20:02		20:30	
8	07:26	12:09 (4)	07:04	06:24	06:32				05:48		05:25	
	16:45	60 13:09 (4)	17:22	17:56	19:31				20:03		20:31	
9	07:26	12:11 (4)	07:03	06:22	06:30				05:47		05:25	
	16:46	57 13:08 (4)	17:24	17:58	19:32				20:04		20:32	
10	07:25	12:11 (4)	07:02	06:21	06:29				05:46		05:24	
	16:47	56 13:07 (4)	17:25	17:59	19:33				20:05		20:32	
11	07:25	12:13 (4)	07:01	06:19	06:27				05:45		05:24	
	16:48	54 13:07 (4)	17:26	18:00	19:34				20:07		20:33	
12	07:25	12:15 (4)	07:00	06:17	06:25				05:43		05:24	
	16:49	52 13:07 (4)	17:27	18:01	19:35				20:08		20:33	
13	07:25	12:16 (4)	06:58	06:16	06:24				05:42		05:24	
	16:50	49 13:05 (4)	17:29	18:02	19:36				20:09		20:34	
14	07:24	12:19 (4)	06:57	06:14	06:22				05:41		05:24	
	16:51	46 13:05 (4)	17:30	18:03	19:37				20:10		20:34	
15	07:24	12:20 (4)	06:56	06:12	06:21				05:40		05:24	
	16:53	43 13:03 (4)	17:31	18:04	19:38				20:11		20:35	
16	07:23	12:23 (4)	06:54	06:11	06:19				05:39		05:24	
	16:54	39 13:02 (4)	17:32	18:06	19:40				20:12		20:35	
17	07:23	12:26 (4)	06:53	06:09	06:17				05:38		05:24	
	16:55	34 13:00 (4)	17:34	18:07	19:41				20:13		20:35	
18	07:23	12:30 (4)	06:52	06:07	06:16				05:37		05:24	
	16:56	28 12:58 (4)	17:35	18:08	19:42				20:14		20:36	
19	07:22	12:34 (4)	06:50	06:06	06:14				05:37		05:24	
	16:57	20 12:54 (4)	17:36	18:09	19:43				20:15		20:36	
20	07:21		06:49	06:04	06:13				05:36		05:24	
	16:58		17:37	18:10	19:44				20:16		20:36	
21	07:21		06:47	06:02	06:11				05:35		05:24	
	17:00		17:39	18:11	19:45				20:17		20:36	
22	07:20		06:46	06:01	06:10				05:34		05:25	
	17:01		17:40	18:12	19:46				20:17		20:37	
23	07:19		06:44	05:59	06:08			06:27 (24)	05:33		05:25	
	17:02		17:41	18:13	19:47			2 06:29 (24)	20:18		20:37	
24	07:19		06:43	05:57	06:07			06:26 (24)	05:32		05:25	
	17:03		17:42	18:14	19:48			5 06:31 (24)	20:19		20:37	
25	07:18		06:41	05:55	06:05			06:24 (24)	05:32		05:25	
	17:05		17:43	18:16	19:49			7 06:31 (24)	20:20		20:37	
26	07:17		06:40	05:54	06:04			06:23 (24)	05:31		05:26	
	17:06		17:45	18:17	19:50			8 06:31 (24)	20:21		20:37	
27	07:16		06:38	05:52	06:02			06:22 (24)	05:30		05:26	
	17:07		17:46	18:18	19:52			10 06:32 (24)	20:22		20:37	
28	07:16		06:37	05:50	06:01			06:20 (24)	05:30		05:26	
	17:08		17:47	18:19	19:53			11 06:31 (24)	20:23		20:37	
29	07:15			06:49	06:00			06:19 (24)	05:29		05:27	
	17:10			19:20	19:54			12 06:31 (24)	20:24		20:37	
30	07:14			06:47	05:58			06:18 (24)	05:28		05:27	
	17:11			19:21	19:55			13 06:31 (24)	20:24		20:37	
31	07:13			06:45					05:28			
	17:12			19:22					20:25			
Ore potenziali eliofania	296		296	369	399				450		454	
Totale, caso peggiore	992								68		47	
Probabilità di eliofania	0.43								0.50		0.57	
Tempo di operatività rid.	0.30								0.30		0.30	
Dir. del vento rid.	0.65								0.49		0.49	
Totale ridotto	0.09								0.08		0.09	
Totale effettivo	86								5		4	

Legenda della tabella:

Giorno del mese Alba (hh:mm) Tramonto (hh:mm) Minuti d'ombra Inizio ombreggiamento (hh:mm) Fine ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: Shadow Flickering Analysis Recettore d'ombra: R2 - Shadow Receptor: 1.0 x 1.0 Azimuth: 0.0° Slope: 0.0° (77)
 Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
 4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
 437 192 40 16 67 346 208 192 120 99 425 524 2,665

: Soglia di cut-in dalla curva di potenza

	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	05:28 20:37	05:52 20:18	06:24 19:34	06:55 18:42	06:30 16:55	07:05 16:30 54
2	05:28 20:37	05:53 20:17	06:25 19:32	06:56 18:41	06:31 16:53	12:49 (4) 11:54 (4) 12:50 (4)
3	05:29 20:37	05:54 20:15	06:26 19:30	06:57 18:39	06:32 16:52	07:06 07:07 12:51 (4)
4	05:29 20:37	05:55 20:14	06:27 19:29	06:58 18:37	06:33 16:51	16:29 57 07:08 11:53 (4) 12:53 (4)
5	05:30 20:36	05:56 20:13	06:28 19:27	06:59 18:36	06:35 16:50	07:09 16:29 60 11:53 (4) 12:54 (4)
6	05:30 20:36	05:57 20:12	06:29 19:25	07:00 18:34	06:36 16:49	07:10 16:29 61 11:53 (4) 12:55 (4)
7	05:31 20:36	05:58 20:11	06:30 19:24	07:01 18:32	06:37 16:48	07:11 16:29 62 11:52 (4) 12:56 (4)
8	05:32 20:36	05:59 20:09	06:30 (24) 06:33 (24)	06:31 19:22	07:02 18:31	06:38 16:46 07:12 16:28 65
9	05:32 20:35	06:00 20:08	06:26 (24) 06:36 (24)	06:32 19:20	07:03 18:29	06:39 16:45 07:13 16:28 66
10	05:33 20:35	06:01 20:07	06:25 (24) 06:37 (24)	06:33 19:19	07:04 18:27	06:41 16:44 07:14 16:28 67
11	05:34 20:34	06:02 20:05	06:24 (24) 06:38 (24)	06:34 19:17	07:05 18:26	06:42 16:43 07:15 16:28 68
12	05:34 20:34	06:03 20:04	06:25 (24) 06:39 (24)	06:35 19:15	07:06 18:24	06:43 16:42 07:16 16:29 67
13	05:35 20:33	06:04 20:03	06:26 (24) 06:39 (24)	06:36 19:13	07:08 18:22	06:44 16:41 07:16 16:29 68
14	05:36 20:33	06:05 20:01	06:27 (24) 06:39 (24)	06:37 19:12	07:09 18:21	06:46 16:40 07:17 16:29 69
15	05:37 20:32	06:06 20:00	06:28 (24) 06:39 (24)	06:38 19:10	07:10 18:19	06:47 16:39 07:18 16:29 69
16	05:38 20:32	06:07 19:59	06:29 (24) 06:39 (24)	06:39 19:08	07:11 18:18	06:48 16:39 07:19 16:29 70
17	05:38 20:31	06:08 19:57	06:30 (24) 06:38 (24)	06:40 19:06	07:12 18:16	06:49 16:38 07:19 16:30 70
18	05:39 20:30	06:09 19:56	06:31 (24) 06:37 (24)	06:41 19:05	07:13 18:15	06:50 16:37 07:20 16:30 70
19	05:40 20:30	06:10 19:54	06:32 (24) 06:36 (24)	06:42 19:03	07:14 18:13	06:52 16:36 07:21 16:30 71
20	05:41 20:29	06:11 19:53	06:33 (24) 06:35 (24)	06:43 19:01	07:15 18:11	06:53 16:35 07:21 16:31 71
21	05:42 20:28	06:12 19:51	06:44 19:00	07:17 18:10	06:54 16:35	07:22 16:31 16:31 71
22	05:43 20:27	06:13 19:50	06:45 18:58	07:18 18:09	06:55 16:34	07:22 16:32 16:32 71
23	05:44 20:26	06:14 19:48	06:46 18:56	07:19 18:07	06:56 16:33	12:11 (4) 07:23 12:31 (4) 16:32 71
24	05:44 20:26	06:16 19:47	06:47 18:54	07:20 18:06	06:57 16:33	12:07 (4) 07:23 12:35 (4) 16:33 71
25	05:45 20:25	06:17 19:45	06:48 18:53	06:21 17:04	06:59 16:32	12:04 (4) 07:24 12:38 (4) 16:33 70
26	05:46 20:24	06:18 19:43	06:49 18:51	06:22 17:03	07:00 16:32	12:01 (4) 07:24 12:40 (4) 16:34 70
27	05:47 20:23	06:19 19:42	06:50 18:49	06:24 17:01	07:01 16:31	12:00 (4) 07:25 12:43 (4) 16:35 70
28	05:48 20:22	06:20 19:40	06:51 18:47	06:25 17:00	07:02 16:31	11:59 (4) 07:25 12:45 (4) 16:35 69
29	05:49 20:21	06:21 19:39	06:52 18:46	06:26 16:59	07:03 16:30	11:57 (4) 07:25 12:46 (4) 16:36 69
30	05:50 20:20	06:22 19:37	06:54 18:44	06:27 16:57	07:04 16:30	11:56 (4) 07:25 12:48 (4) 16:37 68
31	05:51 20:19	06:23 19:35	06:55 16:56	06:28 16:56	07:05 16:38	12:01 (4) 07:26 16:38 68
Ore potenziali eliofania	461	429	375	345	297	286
Totale, caso peggiore		119			311	2073
Probabilità di eliofania		0.68			0.47	0.41
Tempo di operatività rid.		0.30			0.30	0.30
Dir. del vento rid.		0.49			0.65	0.65
Totale ridotto		0.10			0.09	0.08
Totale effettivo		12			29	172

Legenda della tabella:

Giorno del mese Alba (hh:mm) Tramonto (hh:mm) Minuti d'ombra Inizio ombreggiamento (hh:mm) Fine ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: Shadow Flickering Analysis **Recettore d'ombra: R3** - Shadow Receptor: 1.0 x 1.0 Azimuth: 0.0° Slope: 0.0° (78)
 Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
 4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
 437 192 40 16 67 346 208 192 120 99 425 524 2,665

: Soglia di cut-in dalla curva di potenza

	Gennaio		Febbraio		Marzo		Aprile		Maggio		Giugno	
1	07:26	15:52 (3)	07:12	06:35	06:44				05:57	19:26 (1)	05:27	
	16:39	21 16:13 (3)	17:13	17:48	19:23				19:56	6 19:32 (1)	20:26	
2	07:26	15:53 (3)	07:11	06:34	06:42				05:56	19:26 (1)	05:27	
	16:39	21 16:14 (3)	17:15	17:49	19:24				19:57	8 19:34 (1)	20:27	
3	07:26	15:53 (3)	07:10	06:32	06:40				05:54	19:25 (1)	05:27	
	16:40	21 16:14 (3)	17:16	17:51	19:25				19:58	10 19:35 (1)	20:28	
4	07:26	15:53 (3)	07:09	06:31	06:39				05:53	19:25 (1)	05:26	
	16:41	22 16:15 (3)	17:17	17:52	19:26				19:59	11 19:36 (1)	20:28	
5	07:26	15:54 (3)	07:08	06:29	06:37				05:52	19:24 (1)	05:26	
	16:42	22 16:16 (3)	17:19	17:53	19:28				20:00	12 19:36 (1)	20:29	
6	07:26	15:53 (3)	07:07	06:27	06:35				05:51	19:24 (1)	05:25	
	16:43	24 16:17 (3)	17:20	17:54	19:29				20:01	13 19:37 (1)	20:30	
7	07:26	15:53 (3)	07:06	06:26	06:34				05:49	19:24 (1)	05:25	
	16:44	25 16:18 (3)	17:21	17:55	19:30				20:02	15 19:39 (1)	20:30	
8	07:26	15:54 (3)	07:04	06:24	06:32				05:48	19:24 (1)	05:25	
	16:45	24 16:18 (3)	17:22	17:56	19:31				20:03	16 19:40 (1)	20:31	
9	07:26	15:55 (3)	07:03	06:22	06:30				05:47	19:25 (1)	05:25	
	16:46	24 16:19 (3)	17:24	17:58	19:32				20:04	15 19:40 (1)	20:32	
10	07:25	15:54 (3)	07:02	06:21	06:29				05:46	19:25 (1)	05:24	
	16:47	25 16:19 (3)	17:25	17:59	19:33				20:06	14 19:39 (1)	20:32	
11	07:25	15:55 (3)	07:01	06:19	06:27				05:45	19:26 (1)	05:24	
	16:48	25 16:20 (3)	17:26	18:00	19:34				20:07	12 19:38 (1)	20:33	
12	07:25	15:56 (3)	07:00	06:17	06:25				05:44	19:28 (1)	05:24	
	16:49	24 16:20 (3)	17:27	18:01	19:35				20:08	9 19:37 (1)	20:33	
13	07:25	15:55 (3)	06:58	06:16	06:24				05:42	19:30 (1)	05:24	
	16:50	25 16:20 (3)	17:29	18:02	19:36				20:09	5 19:35 (1)	20:34	
14	07:24	15:56 (3)	06:57	06:14	06:22				05:41		05:24	
	16:51	25 16:21 (3)	17:30	18:03	19:37				20:10		20:34	
15	07:24	15:56 (3)	06:56	06:12	06:21				05:40		05:24	
	16:53	25 16:21 (3)	17:31	18:04	19:38				20:11		20:35	
16	07:23	15:57 (3)	06:54	06:11	06:19				05:39		05:24	
	16:54	24 16:21 (3)	17:32	18:06	19:40				20:12		20:35	
17	07:23	15:57 (3)	06:53	06:09	06:17				05:38		05:24	
	16:55	24 16:21 (3)	17:34	18:07	19:41				20:13		20:35	
18	07:23	15:59 (3)	06:52	06:07	06:16				05:37		05:24	
	16:56	22 16:21 (3)	17:35	18:08	19:42				20:14		20:36	
19	07:22	15:59 (3)	06:50	06:06	06:14				05:37		05:24	
	16:57	22 16:21 (3)	17:36	18:09	19:43				20:15		20:36	
20	07:21	16:01 (3)	06:49	06:04	06:13				05:36		05:24	
	16:58	20 16:21 (3)	17:37	18:10	19:44				20:16		20:36	
21	07:21	16:01 (3)	06:47	06:02	06:11				05:35		05:24	
	17:00	20 16:21 (3)	17:39	18:11	19:45				20:17		20:36	
22	07:20	16:02 (3)	06:46	06:01	06:10				05:34		05:25	
	17:01	18 16:20 (3)	17:40	18:12	19:46				20:17		20:37	
23	07:19	16:03 (3)	06:44	05:59	06:08				05:33		05:25	
	17:02	16 16:19 (3)	17:41	18:13	19:47				20:18		20:37	
24	07:19	16:06 (3)	06:43	05:57	06:07				05:32		05:25	
	17:03	13 16:19 (3)	17:42	18:14	19:48				20:19		20:37	
25	07:18	16:08 (3)	06:41	05:55	06:05				05:32		05:25	
	17:05	9 16:17 (3)	17:43	18:16	19:49				20:20		20:37	
26	07:17		06:40	05:54	06:04				05:31		05:26	
	17:06		17:45	18:17	19:50				20:21		20:37	
27	07:16		06:38	05:52	06:02				05:30		05:26	
	17:07		17:46	18:18	19:52				20:22		20:37	
28	07:16		06:37	05:50	06:01				05:30		05:26	
	17:08		17:47	18:19	19:53				20:23		20:37	
29	07:15			06:49	06:00				05:29		05:27	
	17:10			19:20	19:54				20:24		20:37	
30	07:14			06:47	05:58			19:29 (1)	05:28		05:27	
	17:11			19:21	19:55		3	19:32 (1)	20:24		20:37	
31	07:13			06:45					05:28			
	17:12			19:22					20:25			
Ore potenziali eliofania	296		296	369	399				450		454	
Totale, caso peggiore	541						3		146			
Probabilità di eliofania	0.43						0.50		0.57			
Tempo di operatività rid.	0.30						0.30		0.30			
Dir. del vento rid.	0.47						0.68		0.68			
Totale ridotto	0.06						0.10		0.11			
Totale effettivo	32						0		17			

Legenda della tabella:

Giorno del mese Alba (hh:mm) Tramonto (hh:mm) Minuti d'ombra Inizio ombreggiamento (hh:mm) Fine ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: Shadow Flickering Analysis **Recettore d'ombra: R3** - Shadow Receptor: 1.0 x 1.0 Azimuth: 0.0° Slope: 0.0° (78)
 Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
 4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
 437 192 40 16 67 346 208 192 120 99 425 524 2,665

: Soglia di cut-in dalla curva di potenza

	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre		
1	05:28	05:52	19:38 (1)	06:24	06:55	06:30	07:05	15:37 (3)
	20:37	20:18	10 19:48 (1)	19:34	18:42	16:55	16:30	25 16:02 (3)
2	05:28	05:53	19:36 (1)	06:25	06:56	06:31	07:06	15:37 (3)
	20:37	20:17	12 19:48 (1)	19:32	18:41	16:54	16:29	25 16:02 (3)
3	05:29	05:54	19:35 (1)	06:26	06:57	06:32	07:07	15:38 (3)
	20:37	20:15	14 19:49 (1)	19:30	18:39	16:52	16:29	24 16:02 (3)
4	05:29	05:55	19:34 (1)	06:27	06:58	06:33	07:08	15:38 (3)
	20:37	20:14	16 19:50 (1)	19:29	18:37	16:51	16:29	24 16:02 (3)
5	05:30	05:56	19:34 (1)	06:28	06:59	06:35	07:09	15:39 (3)
	20:36	20:13	15 19:49 (1)	19:27	18:36	16:50	16:29	24 16:03 (3)
6	05:30	05:57	19:33 (1)	06:29	07:00	06:36	07:10	15:39 (3)
	20:36	20:12	15 19:48 (1)	19:25	18:34	16:49	16:29	24 16:03 (3)
7	05:31	05:58	19:33 (1)	06:30	07:01	06:37	07:11	15:40 (3)
	20:36	20:11	14 19:47 (1)	19:24	18:32	16:48	16:29	23 16:03 (3)
8	05:32	05:59	19:33 (1)	06:31	07:02	06:38	07:12	15:40 (3)
	20:36	20:09	13 19:46 (1)	19:22	18:31	16:46	16:28	23 16:03 (3)
9	05:32	06:00	19:33 (1)	06:32	07:03	06:39	07:13	15:41 (3)
	20:35	20:08	11 19:44 (1)	19:20	18:29	16:45	16:28	22 16:03 (3)
10	05:33	06:01	19:34 (1)	06:33	07:04	06:41	07:14	15:42 (3)
	20:35	20:07	9 19:43 (1)	19:19	18:27	16:44	16:28	21 16:03 (3)
11	05:34	06:02	19:34 (1)	06:34	07:05	06:42	07:15	15:43 (3)
	20:34	20:05	8 19:42 (1)	19:17	18:26	16:43	16:29	20 16:03 (3)
12	05:35	06:03	19:35 (1)	06:35	07:06	06:43	07:16	15:43 (3)
	20:34	20:04	6 19:41 (1)	19:15	18:24	16:42	16:29	20 16:03 (3)
13	05:35	06:04	19:37 (1)	06:36	07:08	06:44	07:17	15:43 (3)
	20:33	20:03	2 19:39 (1)	19:13	18:22	16:41	16:29	19 16:02 (3)
14	05:36	06:05	06:37	07:09	06:46	07:17	15:44 (3)	
	20:33	20:01	19:12	18:21	16:40	16:29	19 16:03 (3)	
15	05:37	06:06	06:38	07:10	06:47	07:18	15:45 (3)	
	20:32	20:00	19:10	18:19	16:40	16:29	18 16:03 (3)	
16	05:38	06:07	06:39	07:11	06:48	07:19	15:46 (3)	
	20:32	19:59	19:08	18:18	16:39	16:29	18 16:04 (3)	
17	05:38	06:08	06:40	07:12	06:49	15:41 (3)	07:19	15:46 (3)
	20:31	19:57	19:07	18:16	16:38	9 15:50 (3)	16:30	17 16:03 (3)
18	05:39	06:09	06:41	07:13	06:50	15:40 (3)	07:20	15:47 (3)
	20:30	19:56	19:05	18:15	16:37	13 15:53 (3)	16:30	17 16:04 (3)
19	05:40	06:10	06:42	07:14	06:52	15:38 (3)	07:21	15:48 (3)
	20:30	19:54	19:03	18:13	16:36	16 15:54 (3)	16:30	17 16:05 (3)
20	05:41	06:11	06:43	07:16	06:53	15:37 (3)	07:21	15:48 (3)
	20:29	19:53	19:01	18:12	16:36	18 15:55 (3)	16:31	17 16:05 (3)
21	05:42	06:12	06:44	07:17	06:54	15:36 (3)	07:22	15:49 (3)
	20:28	19:51	19:00	18:10	16:35	20 15:56 (3)	16:31	16 16:05 (3)
22	05:43	06:14	06:45	07:18	06:55	15:37 (3)	07:22	15:49 (3)
	20:27	19:50	18:58	18:09	16:34	20 15:57 (3)	16:32	16 16:05 (3)
23	05:44	06:15	06:46	07:19	06:56	15:36 (3)	07:23	15:49 (3)
	20:26	19:48	18:56	18:07	16:34	22 15:58 (3)	16:32	17 16:06 (3)
24	05:45	06:16	06:47	07:20	06:57	15:36 (3)	07:23	15:50 (3)
	20:26	19:47	18:54	18:06	16:33	22 15:58 (3)	16:33	17 16:07 (3)
25	05:45	06:17	06:48	06:21	06:59	15:36 (3)	07:24	15:50 (3)
	20:25	19:45	18:53	17:04	16:32	23 15:59 (3)	16:33	17 16:07 (3)
26	05:46	06:18	06:49	06:23	07:00	15:35 (3)	07:24	15:51 (3)
	20:24	19:43	18:51	17:03	16:32	24 15:59 (3)	16:34	17 16:08 (3)
27	05:47	06:19	06:50	06:24	07:01	15:36 (3)	07:25	15:51 (3)
	20:23	19:42	18:49	17:01	16:31	25 16:01 (3)	16:35	18 16:09 (3)
28	05:48	06:20	06:51	06:25	07:02	15:36 (3)	07:25	15:51 (3)
	20:22	19:40	18:47	17:00	16:31	25 16:01 (3)	16:35	18 16:09 (3)
29	05:49	06:21	06:52	06:26	07:03	15:36 (3)	07:25	15:51 (3)
	20:21	19:39	18:46	16:59	16:30	25 16:01 (3)	16:36	19 16:10 (3)
30	05:50	06:22	06:54	06:27	07:04	15:37 (3)	07:25	15:51 (3)
	20:20	19:37	18:44	16:57	16:30	24 16:01 (3)	16:37	19 16:10 (3)
31	05:51	19:39 (1)	06:23	06:28	06:30	24 16:01 (3)	07:26	15:52 (3)
	20:19	8 19:47 (1)	19:35	16:56	16:30	24 16:01 (3)	07:26	15:52 (3)
			429		297		16:38	20 16:12 (3)
Ore potenziali eliofania	461			375	345	297		286
Totale, caso peggiore	8		145			286		611
Probabilità di eliofania	0.68		0.68			0.47		0.41
Tempo di operatività rid.	0.30		0.30			0.30		0.30
Dir. del vento rid.	0.68		0.68			0.47		0.47
Totale ridotto	0.14		0.14			0.06		0.06
Totale effettivo	1		20			19		35

Legenda della tabella:

Giorno del mese Alba (hh:mm) Tramonto (hh:mm) Minuti d'ombra Inizio ombreggiamento (hh:mm) Fine ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: Shadow Flickering Analysis **Recettore d'ombra: R4 - Shadow Receptor: 1.0 x 1.0** **Azimuth: 0.0° Slope: 0.0° (79)**
 Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
 4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
 437 192 40 16 67 346 208 192 120 99 425 524 2,665
 : Soglia di cut-in dalla curva di potenza

	Gennaio		Febbraio		Marzo		Aprile		Maggio		Giugno	
1	07:26	15:47 (5)	07:12		06:35		06:44	07:09 (11)	05:57		19:09 (2)	05:28
	16:39	19 16:06 (5)	17:13		17:48		19:23	86 18:23 (7)	19:56	23	19:32 (2)	20:26
2	07:26	15:48 (5)	07:11		16:38 (6)	06:34	06:42	07:12 (11)	05:56		19:08 (2)	05:27
	16:40	18 16:06 (5)	17:15	10	16:48 (6)	17:50	19:24	81 18:23 (7)	19:57	23	19:31 (2)	20:27
3	07:26	15:48 (5)	07:10		16:36 (6)	06:32	06:40	17:08 (7)	05:54		19:09 (2)	05:27
	16:40	19 16:07 (5)	17:16	14	16:50 (6)	17:51	19:25	75 18:23 (7)	19:58	22	19:31 (2)	20:28
4	07:26	15:49 (5)	07:09		16:34 (6)	06:31	06:39	17:08 (7)	05:53		19:09 (2)	05:26
	16:41	18 16:07 (5)	17:17	18	16:52 (6)	17:52	19:27	74 18:22 (7)	19:59	22	19:31 (2)	20:28
5	07:26	15:49 (5)	07:08		16:33 (6)	06:29	06:37	17:08 (7)	05:52		19:10 (2)	05:26
	16:42	17 16:06 (5)	17:19	21	16:54 (6)	17:53	19:28	74 18:22 (7)	20:00	21	19:31 (2)	20:29
6	07:26	15:50 (5)	07:07		16:32 (6)	06:27	06:35	17:08 (7)	05:51		19:09 (2)	05:26
	16:43	16 16:06 (5)	17:20	23	16:55 (6)	17:54	19:29	74 18:22 (7)	20:01	20	19:29 (2)	20:30
7	07:26	15:51 (5)	07:06		16:31 (6)	06:26	06:34	17:08 (7)	05:49		19:10 (2)	05:25
	16:44	15 16:06 (5)	17:21	25	16:56 (6)	17:55	19:30	73 18:21 (7)	20:02	19	19:29 (2)	20:30
8	07:26	15:53 (5)	07:04		16:30 (6)	06:24	06:32	17:08 (7)	05:48		19:11 (2)	05:25
	16:45	13 16:06 (5)	17:22	27	16:57 (6)	17:57	19:31	73 18:21 (7)	20:03	17	19:28 (2)	20:31
9	07:26	15:54 (5)	07:03		16:30 (6)	06:22	06:30	17:08 (7)	05:47		19:13 (2)	05:25
	16:46	12 16:06 (5)	17:24	27	16:57 (6)	17:58	19:32	72 18:20 (7)	20:04	13	19:26 (2)	20:31
10	07:25	15:55 (5)	07:02		16:30 (6)	06:21	06:29	17:08 (7)	05:46		19:15 (2)	05:25
	16:47	10 16:05 (5)	17:25	28	16:58 (6)	17:59	19:33	71 18:19 (7)	20:05	9	19:24 (2)	20:32
11	07:25	15:57 (5)	07:01		16:30 (6)	06:19	06:27	17:09 (7)	05:45			05:24
	16:48	7 16:04 (5)	17:26	29	16:59 (6)	18:00	19:34	70 18:19 (7)	20:07			20:33
12	07:25		07:00		16:29 (6)	06:17	16:42 (7)	06:25	17:09 (7)	05:44		05:24
	16:49		17:27	29	16:58 (6)	18:01	17:13 (7)	19:35	69 18:18 (7)	20:08		20:33
13	07:25		06:58		16:29 (6)	06:16	16:37 (7)	06:24	17:10 (7)	05:43		05:24
	16:50		17:29	30	16:59 (6)	18:02	17:05 (7)	19:36	68 18:18 (7)	20:09		20:34
14	07:24		06:57		16:30 (6)	06:14	16:33 (7)	06:22	17:10 (7)	05:42		05:24
	16:52		17:30	29	16:59 (6)	18:03	17:08 (7)	19:37	67 18:17 (7)	20:10		20:34
15	07:24		06:56		16:30 (6)	06:12	16:30 (7)	06:21	17:10 (7)	05:40		05:24
	16:53		17:31	28	16:58 (6)	18:04	17:10 (7)	19:38	66 18:16 (7)	20:11		20:35
16	07:23		06:54		16:30 (6)	06:11	16:28 (7)	06:19	17:11 (7)	05:39		05:24
	16:54		17:33	28	16:58 (6)	18:06	17:13 (7)	19:40	64 18:15 (7)	20:12		20:35
17	07:23		06:53		16:30 (6)	06:09	16:25 (7)	06:17	17:12 (7)	05:39		05:24
	16:55		17:34	27	16:57 (6)	18:07	17:14 (7)	19:41	62 18:14 (7)	20:13		20:35
18	07:23		06:52		16:31 (6)	06:07	16:23 (7)	06:16	17:13 (7)	05:38		05:24
	16:56		17:35	25	16:56 (6)	18:08	17:16 (7)	19:42	60 18:13 (7)	20:14		20:36
19	07:22		06:50		16:33 (6)	06:06	16:21 (7)	06:14	17:13 (7)	05:37		05:24
	16:57		17:36	23	16:56 (6)	18:09	17:17 (7)	19:43	59 18:12 (7)	20:15		20:36
20	07:21		06:49		16:34 (6)	06:04	16:20 (7)	06:13	17:15 (7)	05:36		05:24
	16:59		17:37	20	16:54 (6)	18:10	17:18 (7)	19:44	56 18:11 (7)	20:16		20:36
21	07:21		06:47		16:36 (6)	06:02	16:18 (7)	06:11	17:15 (7)	05:35		05:25
	17:00		17:39	16	16:52 (6)	18:11	17:19 (7)	19:45	54 18:09 (7)	20:17		20:36
22	07:20		06:46		16:38 (6)	06:01	06:19 (11)	06:10	17:17 (7)	05:34		05:25
	17:01		17:40	11	16:49 (6)	18:12	17:20 (7)	19:46	51 18:08 (7)	20:17		20:37
23	07:19		06:44			05:59	06:18 (11)	06:08	17:18 (7)	05:33		05:25
	17:02		17:41			18:13	17:21 (7)	19:47	56 19:24 (2)	20:18		20:37
24	07:19		06:43			05:57	06:16 (11)	06:07	17:19 (7)	05:33		05:25
	17:03		17:42			18:14	17:21 (7)	19:48	58 19:26 (2)	20:19		20:37
25	07:18		06:41			05:56	06:14 (11)	06:05	17:21 (7)	05:32		05:25
	17:05		17:44			18:16	17:21 (7)	19:49	57 19:27 (2)	20:20		20:37
26	07:17		06:40			05:54	06:12 (11)	06:04	17:22 (7)	05:31		05:26
	17:06		17:45			18:17	17:22 (7)	19:50	56 19:28 (2)	20:21		20:37
27	07:16		06:38			05:52	06:11 (11)	06:03	17:25 (7)	05:30		05:26
	17:07		17:46			18:18	17:23 (7)	19:52	53 19:29 (2)	20:22		20:37
28	07:16		06:37			05:50	06:09 (11)	06:01	17:26 (7)	05:30		05:27
	17:08		17:47			18:19	17:23 (7)	19:53	51 19:29 (2)	20:23		20:37
29	07:15					06:49	07:07 (11)	06:00	17:30 (7)	05:29		05:27
	17:10					19:20	18:22 (7)	19:54	46 19:31 (2)	20:24		20:37
30	07:14					06:47	07:08 (11)	05:58	17:34 (7)	05:29		05:27
	17:11					19:21	18:23 (7)	19:55	39 19:32 (2)	20:24		20:37
31	07:13					06:45	07:08 (11)			05:28		
	17:12					19:22	18:23 (7)			20:25		
Ore potenziali eliofania	296		296		369		399		450		454	
Totale, caso peggiore	164		488		1267		1915		189			
Probabilità di eliofania	0.43		0.44		0.44		0.50		0.57			
Tempo di operatività rid.	0.30		0.30		0.30		0.30		0.30			
Dir. del vento rid.	0.46		0.49		0.54		0.55		0.66			
Totale ridotto	0.06		0.06		0.07		0.08		0.11			
Totale effettivo	10		32		92		159		21			

Legenda della tabella:

Giorno del mese Alba (hh:mm) Tramonto (hh:mm) Minuti d'ombra Inizio ombreggiamento (hh:mm) Fine ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: Shadow Flickering Analysis **Recettore d'ombra: R4 - Shadow Receptor: 1.0 x 1.0** **Azimuth: 0.0° Slope: 0.0° (79)**
 Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
 4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
 437 192 40 16 67 346 208 192 120 99 425 524 2,665

: Soglia di cut-in dalla curva di potenza

	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre				
1	05:28 20:37	05:52 20:18	06:24 19:34	17:08 (7) 18:18 (7)	06:55 18:42	17:19 (7) 16:55	06:30 16:27 (6)	15:59 (6) 16:30	07:05 16:30	15:39 (5) 15:46 (5)
2	05:28 20:37	05:53 20:17	19:27 (2) 06:25	06:25 17:07 (7)	06:56 18:18 (7)	17:26 (7) 18:41	06:31 16:54	16:00 (6) 16:27 (6)	07:06 16:30	15:38 (5) 15:48 (5)
3	05:29 20:37	05:54 20:15	19:25 (2) 19:36 (2)	06:26 19:30	06:57 17:06 (7)	06:57 18:39	06:32 16:52	16:00 (6) 16:26 (6)	07:07 16:29	15:37 (5) 15:49 (5)
4	05:29 20:37	05:55 20:14	19:22 (2) 19:36 (2)	06:27 19:29	06:58 18:17 (7)	06:58 18:37	06:33 16:51	16:00 (6) 16:25 (6)	07:08 16:29	15:37 (5) 15:50 (5)
5	05:30 20:36	05:56 20:13	19:21 (2) 19:38 (2)	06:28 19:27	06:59 18:18 (7)	06:59 18:36	06:35 16:50	16:02 (6) 16:25 (6)	07:09 16:29	15:36 (5) 15:51 (5)
6	05:31 20:36	05:57 20:12	19:20 (2) 19:38 (2)	06:29 19:25	07:00 18:18 (7)	07:00 18:34	06:36 16:49	16:03 (6) 16:24 (6)	07:10 16:29	15:36 (5) 15:52 (5)
7	05:31 20:36	05:58 20:11	19:19 (2) 19:39 (2)	06:30 19:24	07:01 18:18 (7)	07:01 18:32	06:37 16:48	16:04 (6) 16:22 (6)	07:11 16:29	15:36 (5) 15:53 (5)
8	05:32 20:35	05:59 20:09	19:18 (2) 19:40 (2)	06:31 19:22	07:02 18:17 (7)	07:02 18:31	06:38 16:47	16:07 (6) 16:21 (6)	07:12 16:29	15:36 (5) 15:54 (5)
9	05:33 20:35	06:00 20:08	19:18 (2) 19:40 (2)	06:32 19:20	07:03 18:17 (7)	07:03 18:29	06:39 16:46	16:09 (6) 16:18 (6)	07:13 16:29	15:37 (5) 15:55 (5)
10	05:33 20:35	06:01 20:07	19:17 (2) 19:40 (2)	06:33 19:19	07:04 18:16 (7)	07:04 18:27	06:41 16:44	16:18 (6) 16:29	07:14 16:29	15:37 (5) 15:55 (5)
11	05:34 20:34	06:02 20:05	19:17 (2) 19:40 (2)	06:34 19:17	07:05 18:16 (7)	07:05 18:26	06:42 16:43	16:15 (6) 16:29	07:15 16:29	15:37 (5) 15:56 (5)
12	05:35 20:34	06:03 20:04	17:46 (7) 19:40 (2)	06:35 19:15	07:00 (11) 18:15 (7)	07:07 18:24	06:43 16:42	07:16 16:29	15:38 (5) 15:57 (5)	
13	05:35 20:33	06:04 20:03	17:40 (7) 19:39 (2)	06:36 19:13	06:59 (11) 18:14 (7)	07:08 18:22	06:44 16:41	07:16 16:29	15:37 (5) 15:57 (5)	
14	05:36 20:33	06:05 20:01	17:36 (7) 19:38 (2)	06:37 19:12	06:58 (11) 18:14 (7)	07:09 18:21	06:46 16:41	07:17 16:29	15:38 (5) 15:58 (5)	
15	05:37 20:32	06:06 20:00	17:33 (7) 19:37 (2)	06:38 19:10	06:59 (11) 18:13 (7)	07:10 18:19	06:47 16:40	07:18 16:29	15:38 (5) 15:58 (5)	
16	05:38 20:32	06:07 19:59	17:31 (7) 19:35 (2)	06:39 19:08	07:00 (11) 18:12 (7)	07:11 18:18	06:48 16:39	07:19 16:30	15:39 (5) 15:59 (5)	
17	05:39 20:31	06:08 19:57	17:29 (7) 19:34 (2)	06:40 19:07	07:01 (11) 18:11 (7)	07:12 18:16	06:49 16:38	07:19 16:30	15:39 (5) 15:59 (5)	
18	05:39 20:30	06:09 19:56	17:27 (7) 19:33 (2)	06:41 19:05	07:02 (11) 18:10 (7)	07:13 18:15	06:50 16:37	07:20 16:30	15:40 (5) 16:00 (5)	
19	05:40 20:30	06:11 19:54	17:25 (7) 19:31 (2)	06:42 19:03	07:03 (11) 18:09 (7)	07:14 18:13	06:52 16:36	07:21 16:30	15:39 (5) 16:00 (5)	
20	05:41 20:29	06:12 19:53	17:23 (7) 19:30 (2)	06:43 19:01	07:04 (11) 18:08 (7)	07:16 18:12	06:53 16:36	07:21 16:31	15:40 (5) 16:01 (5)	
21	05:42 20:28	06:13 19:51	17:21 (7) 18:13 (7)	06:44 19:00	07:05 (11) 18:06 (7)	07:17 18:10	06:54 16:35	07:22 16:31	15:41 (5) 16:02 (5)	
22	05:43 20:27	06:14 19:50	17:20 (7) 18:14 (7)	06:45 18:58	07:03 (7) 18:05 (7)	07:18 18:09	06:55 16:34	07:22 16:32	15:41 (5) 16:02 (5)	
23	05:44 20:26	06:15 19:48	17:18 (7) 18:15 (7)	06:46 18:56	07:04 (7) 18:03 (7)	07:19 18:07	06:56 16:34	07:23 16:32	15:41 (5) 16:02 (5)	
24	05:45 20:26	06:16 19:47	17:17 (7) 18:16 (7)	06:47 18:54	07:05 (7) 18:01 (7)	07:20 18:06	06:57 16:33	07:23 16:33	15:42 (5) 16:03 (5)	
25	05:46 20:25	06:17 19:45	17:16 (7) 18:16 (7)	06:48 18:53	07:06 (7) 18:00 (7)	06:21 17:04	06:59 16:32	07:24 16:33	15:43 (5) 16:03 (5)	
26	05:46 20:24	06:18 19:43	17:14 (7) 18:17 (7)	06:49 18:51	07:07 (7) 17:58 (7)	06:23 17:03	07:00 16:32	07:24 16:34	15:44 (5) 16:04 (5)	
27	05:47 20:23	06:19 19:42	17:13 (7) 18:17 (7)	06:50 18:49	07:09 (7) 17:55 (7)	06:24 17:01	07:01 16:31	07:25 16:35	15:44 (5) 16:04 (5)	
28	05:48 20:22	06:20 19:40	17:12 (7) 18:18 (7)	06:51 18:48	07:10 (7) 17:53 (7)	06:25 17:00	07:02 16:31	07:25 16:35	15:44 (5) 16:04 (5)	
29	05:49 20:21	06:21 19:39	17:11 (7) 18:18 (7)	06:53 18:46	07:12 (7) 17:50 (7)	06:26 16:59	07:03 16:31	07:25 16:36	15:45 (5) 16:05 (5)	
30	05:50 20:20	06:22 19:37	17:10 (7) 18:18 (7)	06:54 18:44	07:15 (7) 17:46 (7)	06:27 16:57	07:04 16:30	07:25 16:37	15:45 (5) 16:05 (5)	
31	05:51 20:19	06:23 19:35	17:09 (7) 18:18 (7)	06:55 18:44	07:16 (7) 17:46 (7)	06:28 16:56	07:04 16:27 (6)	07:26 16:38	15:46 (5) 16:06 (5)	
Ore potenziali eliofania	461	429	375	2094	345	297	286	568	0.41	
Totale, caso peggiore		1303		0.61		336		191	0.47	
Probabilità di eliofania		0.68		0.30		0.52		0.47	0.41	
Tempo di operatività rid.		0.30		0.30		0.30		0.30	0.30	
Dir. del vento rid.		0.57		0.54		0.49		0.49	0.46	
Totale ridotto		0.12		0.10		0.08		0.07	0.06	
Totale effettivo		152		209		26		13	33	

Legenda della tabella:

Giorno del mese Alba (hh:mm) Tramonto (hh:mm) Minuti d'ombra Inizio ombreggiamento (hh:mm) Fine ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: Shadow Flickering Analysis Recettore d'ombra: R5 - Shadow Receptor: 1.0 x 1.0 Azimuth: 0.0° Slope: 90.0° (80)
 Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
 4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
 437 192 40 16 67 346 208 192 120 99 425 524 2,665

: Soglia di cut-in dalla curva di potenza

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	07:26 16:39	07:12 17:13	06:35 17:48	06:44 19:23	05:57 19:56	05:27 20:26	05:28 20:37	05:52 20:18	06:24 19:34	06:55 18:42	06:30 16:55	07:05 16:30
2	07:26 16:40	07:11 17:15	06:34 17:49	06:42 19:24	05:56 19:57	05:27 20:27	05:28 20:37	05:53 20:16	06:25 19:32	06:56 18:41	06:31 16:54	07:06 16:29
3	07:26 16:40	07:10 17:16	06:32 17:51	06:40 19:25	05:54 19:58	05:27 20:27	05:29 20:37	05:54 20:15	06:26 19:30	06:57 18:39	06:32 16:52	07:07 16:29
4	07:26 16:41	07:09 17:17	06:30 17:52	06:38 19:26	05:53 19:59	05:26 20:28	05:29 20:36	05:55 20:14	06:27 19:29	06:58 18:37	06:33 16:51	07:08 16:29
5	07:26 16:42	07:08 17:19	06:29 17:53	06:37 19:27	05:52 20:00	05:26 20:29	05:30 20:36	05:56 20:13	06:28 19:27	06:59 18:36	06:34 16:50	07:09 16:29
6	07:26 16:43	07:07 17:20	06:27 17:54	06:35 19:29	05:51 20:01	05:25 20:30	05:31 20:36	05:57 20:12	06:29 19:25	07:00 18:34	06:36 16:49	07:10 16:29
7	07:26 16:44	07:05 17:21	06:26 17:55	06:34 19:30	05:49 20:02	05:25 20:30	05:31 20:36	05:58 20:10	06:30 19:24	07:01 18:32	06:37 16:48	07:11 16:29
8	07:26 16:45	07:04 17:22	06:24 17:56	06:32 19:31	05:48 20:03	05:25 20:31	05:32 20:35	05:59 20:09	06:31 19:22	07:02 18:31	06:38 16:46	07:12 16:29
9	07:26 16:46	07:03 17:24	06:22 17:58	06:30 19:32	05:47 20:04	05:25 20:31	05:32 20:35	06:00 20:08	06:32 19:20	07:03 18:29	06:39 16:45	07:13 16:28
10	07:25 16:47	07:02 17:25	06:21 17:59	06:29 19:33	05:46 20:05	05:24 20:32	05:33 20:35	06:01 20:07	06:33 19:19	07:04 18:27	06:41 16:44	07:14 16:29
11	07:25 16:48	07:01 17:26	06:19 18:00	06:27 19:34	05:45 20:06	05:24 20:32	05:34 20:34	06:02 20:05	06:34 19:17	07:05 18:26	06:42 16:43	07:15 16:29
12	07:25 16:49	06:59 17:27	06:17 18:01	06:25 19:35	05:44 20:07	05:24 20:33	05:35 20:34	06:03 20:04	06:35 19:15	07:06 18:24	06:43 16:42	07:16 16:29
13	07:25 16:50	06:58 17:29	06:16 18:02	06:24 19:36	05:42 20:08	05:24 20:33	05:35 20:33	06:04 20:03	06:36 19:13	07:08 18:22	06:44 16:41	07:16 16:29
14	07:24 16:52	06:57 17:30	06:14 18:03	06:22 19:37	05:41 20:10	05:24 20:34	05:36 20:33	06:05 20:01	06:37 19:12	07:09 18:21	06:45 16:40	07:17 16:29
15	07:24 16:53	06:56 17:31	06:12 18:04	06:21 19:38	05:40 20:11	05:24 20:34	05:37 20:32	06:06 20:00	06:38 19:10	07:10 18:19	06:47 16:40	07:18 16:29
16	07:23 16:54	06:54 17:32	06:11 18:06	06:19 19:39	05:39 20:12	05:24 20:35	05:38 20:31	06:07 19:58	06:39 19:08	07:11 18:18	06:48 16:39	07:19 16:29
17	07:23 16:55	06:53 17:34	06:09 18:07	06:17 19:41	05:38 20:13	05:24 20:35	05:38 20:31	06:08 19:57	06:40 19:06	07:12 18:16	06:49 16:38	07:19 16:30
18	07:22 16:56	06:51 17:35	06:07 18:08	06:16 19:42	05:37 20:13	05:24 20:36	05:39 20:30	06:09 19:56	06:41 19:05	07:13 18:15	06:50 16:37	07:20 16:30
19	07:22 16:57	06:50 17:36	06:06 18:09	06:14 19:43	05:37 20:14	05:24 20:36	05:40 20:29	06:10 19:54	06:42 19:03	07:14 18:13	06:51 16:36	07:21 16:30
20	07:21 16:58	06:49 17:37	06:04 18:10	06:13 19:44	05:36 20:15	05:24 20:36	05:41 20:29	06:11 19:53	06:43 19:01	07:15 18:11	06:53 16:36	07:21 16:31
21	07:21 17:00	06:47 17:39	06:02 18:11	06:11 19:45	05:35 20:16	05:24 20:36	05:42 20:28	06:12 19:51	06:44 19:00	07:17 18:10	06:54 16:35	07:22 16:31
22	07:20 17:01	06:46 17:40	06:01 18:12	06:10 19:46	05:34 20:17	05:25 20:37	05:43 20:27	06:13 19:50	06:45 18:58	07:18 18:09	06:55 16:34	07:22 16:32
23	07:19 17:02	06:44 17:41	05:59 18:13	06:08 19:47	05:33 20:18	05:25 20:37	05:44 20:26	06:15 19:48	06:46 18:56	07:19 18:07	06:56 16:34	07:23 16:32
24	07:19 17:03	06:43 17:42	05:57 18:14	06:07 19:48	05:32 20:19	05:25 20:37	05:45 20:25	06:16 19:46	06:47 18:54	07:20 18:06	06:57 16:33	07:23 16:33
25	07:18 17:05	06:41 17:43	05:55 18:15	06:05 19:49	05:32 20:20	05:25 20:37	05:45 20:25	06:17 19:45	06:48 18:53	07:21 17:04	06:58 16:32	07:24 16:33
26	07:17 17:06	06:40 17:45	05:54 18:17	06:04 19:50	05:31 20:21	05:26 20:37	05:46 20:24	06:18 19:43	06:49 18:51	07:22 17:03	07:00 16:32	07:24 16:34
27	07:16 17:07	06:38 17:46	05:52 18:18	06:02 19:51	05:30 20:22	05:26 20:37	05:47 20:23	06:19 19:42	06:50 18:49	07:23 17:01	07:01 16:31	07:24 16:35
28	07:15 17:08	06:37 17:47	05:50 18:19	06:01 19:53	05:30 20:23	05:26 20:37	05:48 20:22	06:20 19:40	06:51 18:47	07:24 17:00	07:02 16:31	07:25 16:35
29	07:15 17:10		06:49 19:20	06:00 19:54	05:29 20:24	05:27 20:37	05:49 20:21	06:21 19:39	06:52 18:46	07:25 16:59	07:03 16:30	07:25 16:36
30	07:14 17:11		06:47 19:21	05:58 19:55	05:29 20:24	05:27 20:37	05:50 20:20	06:22 19:37	06:53 18:44	07:26 16:57	07:04 16:30	07:25 16:37
31	07:13 17:12		06:45 19:22		05:28 20:25		05:51 20:19	06:23 19:35		06:28 16:56		07:25 16:38
Ore potenziali eliofania	296	296	369	399	450	454	461	429	375	345	297	286
Totale, caso peggiore												
Probabilità di eliofania												
Tempo di operatività rid.												
Dir. del vento rid.												
Totale ridotto												
Totale effettivo												

Legenda della tabella:

Giorno del mese Alba (hh:mm) Tramonto (hh:mm) Minuti d'ombra Inizio ombreggiamento (hh:mm) Fine ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: Shadow Flickering Analysis **Recettore d'ombra: R6 - Shadow Receptor: 1.0 x 1.0 Azimuth: 0.0° Slope: 0.0° (81)**
 Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
 4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
 437 192 40 16 67 346 208 192 120 99 425 524 2,665

: Soglia di cut-in dalla curva di potenza

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno			
1	07:25 16:38	07:12 17:13	06:35 17:48	06:54 (19) 07:54 (15)	06:43 19:23	07:02 (20) 08:30 (15)	05:57 19:56	05:27 20:26	59 06:49 (16)
2	07:26 16:39	07:11 17:14	06:33 17:49	06:52 (19) 07:55 (15)	06:42 19:24	07:00 (20) 07:09 (20)	05:55 19:57	05:27 20:26	59 06:49 (16)
3	07:26 16:40	07:10 17:16	06:32 17:50	06:51 (19) 07:57 (15)	06:40 19:25	06:59 (20) 07:10 (20)	05:54 19:58	05:26 20:27	59 06:49 (16)
4	07:26 16:41	07:09 17:17	06:30 17:52	06:49 (19) 07:57 (15)	06:38 19:26	06:57 (20) 07:10 (20)	05:53 19:59	05:26 20:28	60 06:50 (16)
5	07:26 16:42	07:07 17:18	06:29 17:53	06:48 (19) 07:59 (15)	06:37 19:27	06:55 (20) 07:09 (20)	05:52 20:00	05:26 20:29	60 06:50 (16)
6	07:26 16:43	07:06 17:20	06:27 17:54	06:47 (19) 07:59 (15)	06:35 19:28	06:54 (20) 07:09 (20)	05:50 20:01	05:25 20:29	60 06:50 (16)
7	07:26 16:44	07:05 17:21	06:25 17:55	06:46 (19) 07:59 (15)	06:33 19:29	06:52 (20) 07:08 (20)	05:49 20:02	05:25 20:30	60 06:50 (16)
8	07:25 16:45	07:04 17:22	06:24 17:56	06:47 (19) 08:00 (15)	06:32 19:31	06:52 (20) 07:07 (20)	05:48 20:03	05:25 20:31	61 06:51 (17)
9	07:25 16:46	07:03 17:23	06:22 17:57	06:47 (19) 08:00 (15)	06:30 19:32	06:53 (20) 07:06 (20)	05:47 20:04	05:24 20:31	61 06:51 (16)
10	07:25 16:47	07:02 17:25	06:20 17:59	06:46 (19) 07:59 (15)	06:28 19:33	06:54 (20) 07:04 (20)	05:46 20:05	05:24 20:32	60 06:50 (16)
11	07:25 16:48	07:00 17:26	06:19 18:00	06:47 (19) 08:00 (15)	06:27 19:34	05:44 20:06	05:44 20:06	05:24 20:32	61 06:51 (16)
12	07:25 16:49	06:59 17:27	06:17 18:01	06:48 (19) 08:00 (15)	06:25 19:35	05:43 20:07	05:43 20:07	05:24 20:33	61 06:51 (16)
13	07:24 16:50	06:58 17:28	06:16 18:02	06:49 (19) 07:59 (15)	06:24 19:36	05:42 20:08	05:42 20:08	05:24 20:33	60 06:51 (16)
14	07:24 16:51	06:57 17:30	06:14 18:03	06:51 (19) 08:00 (15)	06:22 19:37	05:41 20:09	05:41 20:09	05:24 20:34	61 06:52 (16)
15	07:24 16:52	06:55 17:31	06:12 18:04	06:53 (19) 07:59 (15)	06:20 19:38	05:40 20:10	05:40 20:10	05:24 20:34	61 06:52 (16)
16	07:23 16:54	06:54 17:32	06:10 18:05	07:01 (15) 07:58 (15)	06:19 19:39	05:39 20:11	05:39 20:11	05:24 20:35	61 06:52 (16)
17	07:23 16:55	06:53 17:33	06:09 18:06	07:01 (15) 07:58 (15)	06:17 19:40	05:38 20:12	05:38 20:12	05:24 20:35	61 06:52 (16)
18	07:22 16:56	06:51 17:35	06:07 18:08	07:01 (15) 07:57 (15)	06:16 19:41	05:37 20:13	05:37 20:13	05:24 20:35	61 06:52 (16)
19	07:22 16:57	06:50 17:36	06:05 18:09	07:01 (15) 07:56 (15)	06:14 19:43	05:36 20:14	05:36 20:14	05:24 20:36	61 06:53 (16)
20	07:21 16:58	06:48 17:37	06:04 18:10	07:01 (15) 07:55 (15)	06:13 19:44	05:35 20:15	05:35 20:15	05:24 20:36	61 06:53 (16)
21	07:20 16:59	06:47 17:38	06:02 18:11	07:02 (15) 07:55 (15)	06:11 19:45	05:35 20:16	05:35 20:16	05:24 20:36	61 06:53 (16)
22	07:20 17:01	06:46 17:40	06:00 18:12	07:02 (15) 07:53 (15)	06:10 19:46	05:34 20:17	05:34 20:17	05:24 20:36	61 06:53 (16)
23	07:19 17:02	06:44 17:41	05:59 18:13	07:02 (15) 07:52 (15)	06:08 19:47	05:33 20:18	05:33 20:18	05:25 20:37	61 06:53 (16)
24	07:18 17:03	06:43 17:42	05:57 18:14	07:03 (15) 07:51 (15)	06:07 19:48	05:32 20:19	05:32 20:19	05:25 20:37	61 06:54 (16)
25	07:18 17:04	06:41 17:43	05:55 18:15	07:03 (15) 07:49 (15)	06:05 19:49	05:31 20:20	05:31 20:20	05:25 20:37	61 06:54 (16)
26	07:17 17:06	06:40 17:44	05:54 18:16	07:04 (15) 07:47 (15)	06:04 19:50	05:31 20:21	05:31 20:21	05:26 20:37	61 06:54 (16)
27	07:16 17:07	06:38 17:46	05:52 18:17	07:05 (15) 07:45 (15)	06:02 19:51	05:30 20:22	05:30 20:22	05:26 20:37	61 06:55 (16)
28	07:15 17:08	06:36 17:47	05:50 18:19	06:56 (19) 07:53 (15)	06:01 19:52	05:29 20:22	05:29 20:22	05:26 20:37	61 06:55 (16)
29	07:14 17:09		06:48 19:20	08:08 (15) 08:41 (15)	05:59 19:53	05:29 20:23	05:29 20:23	05:27 20:37	60 06:55 (16)
30	07:13 17:11		06:47 19:21	08:10 (15) 08:38 (15)	05:58 19:54	05:28 20:24	05:28 20:24	05:27 20:37	61 06:55 (16)
31	07:13 17:12		06:45 19:22	07:04 (20) 08:35 (15)		05:28 20:25	05:28 20:25	05:27 20:37	61 06:55 (16)
Ore potenziali eliofania	296	296	369	399	450	454			
Totale, caso peggiore		152	1770		821	1817			
Probabilità di eliofania		0.44	0.44		0.57	0.62			
Tempo di operatività rid.		0.30	0.30		0.30	0.30			
Dir. del vento rid.		0.66	0.66		0.49	0.49			
Totale ridotto		0.09	0.09		0.09	0.09			
Totale effettivo		14	160		70	169			

Legenda della tabella:

Giorno del mese Alba (hh:mm) Tramonto (hh:mm) Minuti d'ombra Inizio ombreggiamento (hh:mm) Fine ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: Shadow Flickering Analysis **Recettore d'ombra: R6** - Shadow Receptor: 1.0 x 1.0 Azimuth: 0.0° Slope: 0.0° (81)
 Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
 4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
 437 192 40 16 67 346 208 192 120 99 425 524 2,665
 : Soglia di cut-in dalla curva di potenza

	Luglio		Agosto		Settembre		Ottobre		Novembre		Dicembre	
1	05:28	05:54 (17)	05:52	06:24			06:54		07:28 (19)	06:29	07:05	
	20:37	61 06:55 (16)	20:17	19:33			18:42	71	08:39 (15)	16:55	16:30	
2	05:28	05:55 (17)	05:53	06:25		06:53 (20)	06:55		07:26 (19)	06:31	07:06	
	20:37	61 06:56 (16)	20:16	19:32	10	07:03 (20)	18:40	73	08:39 (15)	16:53	16:29	
3	05:29	05:56 (17)	05:54	06:26		06:50 (20)	06:56		07:25 (19)	06:32	07:07	
	20:36	60 06:56 (16)	20:15	19:30	13	07:03 (20)	18:39	73	08:38 (15)	16:52	16:29	
4	05:29	05:55 (17)	05:55	06:27		06:49 (20)	06:58		07:24 (19)	06:33	07:08	
	20:36	61 06:56 (16)	20:14	19:28	15	07:04 (20)	18:37	74	08:38 (15)	16:51	16:29	
5	05:30	05:56 (17)	05:56	06:28		06:48 (20)	06:59		07:24 (19)	06:34	07:09	
	20:36	60 06:56 (16)	20:13	19:27	16	07:04 (20)	18:35	73	08:37 (15)	16:50	16:29	
6	05:30	05:56 (17)	05:57	06:29		06:49 (20)	07:00		07:23 (19)	06:35	07:10	
	20:36	60 06:56 (16)	20:12	19:25	15	07:04 (20)	18:34	73	08:36 (15)	16:49	16:28	
7	05:31	05:56 (17)	05:58	06:30		06:50 (20)	07:01		07:23 (19)	06:37	07:11	
	20:35	60 06:56 (16)	20:10	19:23	14	07:04 (20)	18:32	72	08:35 (15)	16:47	16:28	
8	05:32	05:56 (17)	05:59	06:31		06:51 (20)	07:02		07:23 (19)	06:38	07:12	
	20:35	60 06:56 (16)	20:09	19:22	13	07:04 (20)	18:30	71	08:34 (15)	16:46	16:28	
9	05:32	05:57 (17)	06:00	06:32		06:52 (20)	07:03		07:23 (19)	06:39	07:13	
	20:35	59 06:56 (16)	20:08	19:20	11	07:03 (20)	18:29	69	08:32 (15)	16:45	16:28	
10	05:33	05:57 (17)	06:01	06:33		06:53 (20)	07:04		07:24 (19)	06:40	07:14	
	20:34	60 06:57 (16)	20:06	19:18	9	07:02 (20)	18:27	67	08:31 (15)	16:44	16:28	
11	05:34	05:57 (17)	06:02	06:34		06:54 (20)	07:05		07:26 (19)	06:42	07:14	
	20:34	59 06:56 (16)	20:05	19:17	20	08:22 (15)	18:25	65	08:31 (15)	16:43	16:28	
12	05:34	05:58 (17)	06:03	06:35		06:55 (20)	07:06		07:27 (19)	06:43	07:15	
	20:33	58 06:56 (16)	20:04	19:15	25	08:26 (15)	18:24	60	08:29 (15)	16:42	16:28	
13	05:35	05:58 (17)	06:04	06:36		08:01 (15)	07:07		07:28 (19)	06:44	07:16	
	20:33	58 06:56 (16)	20:02	19:13	28	08:29 (15)	18:22	54	08:27 (15)	16:41	16:29	
14	05:36	05:59 (17)	06:05	06:37		07:59 (15)	07:08		07:29 (19)	06:45	07:17	
	20:32	58 06:57 (16)	20:01	19:11	32	08:31 (15)	18:21	46	08:25 (15)	16:40	16:29	
15	05:37	05:59 (17)	06:06	06:38		07:56 (15)	07:10		07:50 (15)	06:46	07:18	
	20:32	57 06:56 (16)	20:00	19:10	37	08:33 (15)	18:19	32	08:22 (15)	16:39	16:29	
16	05:37	06:00 (17)	06:07	06:39		07:54 (15)	07:11		07:52 (15)	06:48	07:18	
	20:31	56 06:56 (16)	19:58	19:08	40	08:34 (15)	18:17	27	08:19 (15)	16:38	16:29	
17	05:38	06:01 (17)	06:08	06:40		07:53 (15)	07:12		07:56 (15)	06:49	07:19	
	20:31	55 06:56 (16)	19:57	19:06	42	08:35 (15)	18:16	21	08:17 (15)	16:38	16:30	
18	05:39	06:02 (17)	06:09	06:41		07:51 (15)	07:13		08:02 (15)	06:50	07:20	
	20:30	54 06:56 (16)	19:55	19:05	45	08:36 (15)	18:14	9	08:11 (15)	16:37	16:30	
19	05:40	06:03 (17)	06:10	06:42		07:50 (15)	07:14		06:51	07:20	07:20	
	20:29	52 06:55 (16)	19:54	19:03	47	08:37 (15)	18:13		16:36	16:30	16:30	
20	05:41	06:04 (17)	06:11	06:43		07:48 (15)	07:15		06:52	07:21	07:21	
	20:28	51 06:55 (16)	19:52	19:01	50	08:38 (15)	18:11		16:35	16:31	16:31	
21	05:42	06:04 (17)	06:12	06:44		07:47 (15)	07:16		06:54	07:22	07:22	
	20:28	50 06:54 (16)	19:51	18:59	51	08:38 (15)	18:10		16:35	16:31	16:31	
22	05:43	06:06 (17)	06:13	06:45		07:46 (15)	07:18		06:55	07:22	07:22	
	20:27	48 06:54 (16)	19:49	18:58	53	08:39 (15)	18:08		16:34	16:32	16:32	
23	05:43	06:09 (17)	06:14	06:46		07:45 (15)	07:19		06:56	07:23	07:23	
	20:26	44 06:53 (16)	19:48	18:56	54	08:39 (15)	18:07		16:33	16:32	16:32	
24	05:44	06:17 (16)	06:15	06:47		07:44 (15)	07:20		06:57	07:23	07:23	
	20:25	35 06:52 (16)	19:46	18:54	55	08:39 (15)	18:05		16:33	16:33	16:33	
25	05:45	06:18 (16)	06:16	06:48		07:44 (15)	06:21		06:58	07:23	07:23	
	20:24	34 06:52 (16)	19:45	18:52	55	08:39 (15)	17:04		16:32	16:33	16:33	
26	05:46	06:19 (16)	06:17	06:49		07:43 (15)	06:22		06:59	07:24	07:24	
	20:23	32 06:51 (16)	19:43	18:51	57	08:40 (15)	17:03		16:32	16:34	16:34	
27	05:47	06:21 (16)	06:18	06:50		07:42 (15)	06:23		07:01	07:24	07:24	
	20:22	29 06:50 (16)	19:42	18:49	57	08:39 (15)	17:01		16:31	16:34	16:34	
28	05:48	06:22 (16)	06:19	06:51		07:36 (19)	06:25		07:02	07:25	07:25	
	20:21	26 06:48 (16)	19:40	18:47	60	08:39 (15)	17:00		16:31	16:35	16:35	
29	05:49	06:24 (16)	06:20	06:52		07:31 (19)	06:26		07:03	07:25	07:25	
	20:20	23 06:47 (16)	19:38	18:45	68	08:39 (15)	16:58		16:30	16:36	16:36	
30	05:50	06:25 (16)	06:21	06:53		07:30 (19)	06:27		07:04	07:25	07:25	
	20:19	19 06:44 (16)	19:37	18:44	70	08:40 (15)	16:57		16:30	16:37	16:37	
31	05:51	06:28 (16)	06:23				06:28			07:25	07:25	
	20:18	13 06:41 (16)	19:35				16:56			16:37	16:37	
Ore potenziali eliofania	461		429		375		345		297		286	
Totale, caso peggiore	1513				1062		1030					
Probabilità di eliofania	0.68				0.61		0.52					
Tempo di operatività rid.	0.30				0.30		0.30					
Dir. del vento rid.	0.49				0.65		0.66					
Totale ridotto	0.10				0.12		0.11					
Totale effettivo	156				130		109					

Legenda della tabella:

Giorno del mese Alba (hh:mm) Tramonto (hh:mm) Inizio ombreggiamento (hh:mm) Fine ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: Shadow Flickering Analysis **Recettore d'ombra: R7** - Shadow Receptor: 1.0 x 1.0 Azimuth: 0.0° Slope: 0.0° (82)
 Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
 4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
 437 192 40 16 67 346 208 192 120 99 425 524 2,665

: Soglia di cut-in dalla curva di potenza

	Gennaio		Febbraio		Marzo		Aprile		Maggio		Giugno				
1	07:25	08:18 (20)	07:12		06:35		06:43		05:57		06:30 (18)	05:27			
	16:38	59 12:04 (17)	17:13		17:48		19:23		19:56	72	19:04 (13)	20:26			
2	07:26	08:19 (20)	07:11		06:33		06:42		05:55		06:30 (18)	05:27			
	16:39	57 12:04 (17)	17:14		17:49		19:24		19:57	71	19:04 (13)	20:26			
3	07:26	08:20 (20)	07:10		06:32		06:40	17:19 (12)	05:54		06:30 (18)	05:26			
	16:40	53 12:03 (17)	17:16		17:50	8	17:27 (12)	19:25	19:58	67	19:02 (13)	20:27			
4	07:26	08:21 (20)	07:08		06:30		06:38	17:15 (12)	05:53		06:29 (18)	05:26			
	16:41	50 12:03 (17)	17:17		17:51	14	17:29 (12)	19:26	19:59	65	19:00 (13)	20:28			
5	07:26	08:22 (20)	07:07		06:29		06:37	17:13 (12)	05:51		06:29 (18)	05:25			
	16:42	46 12:02 (17)	17:18		17:53	19	17:32 (12)	19:27	20:00	62	18:59 (13)	20:29			
6	07:26	08:24 (20)	07:06		06:27		06:35	17:11 (12)	05:50		06:30 (18)	05:25			
	16:43	39 12:00 (17)	17:20	6	07:33 (21)	17:54	21	17:32 (12)	19:28	20:01	56	18:56 (13)	20:29		
7	07:26	08:26 (20)	07:05		06:25		06:33	17:10 (12)	05:49		06:30 (18)	05:25			
	16:44	31 11:58 (17)	17:21	12	07:37 (21)	17:55	23	17:33 (12)	19:29	20:02	48	18:53 (13)	20:30		
8	07:25	08:29 (20)	07:04		06:24		06:32	17:09 (12)	05:48		06:31 (18)	05:25			
	16:45	20 11:56 (17)	17:22	15	07:39 (21)	17:56	25	17:34 (12)	19:31	20:03	39	07:10 (18)	20:31		
9	07:25		07:03		06:22		06:30	17:08 (12)	05:47		06:31 (18)	05:24			
	16:46		17:23	18	07:41 (21)	17:57	26	17:34 (12)	19:32	11	19:00 (13)	20:04	39	07:10 (18)	20:31
10	07:25		07:02		06:20		06:28	17:07 (12)	05:45		18:45 (13)	05:45		06:32 (18)	05:24
	16:47		17:25	20	07:41 (21)	17:58	27	17:34 (12)	19:33	18	19:03 (13)	20:05	37	07:09 (18)	20:32
11	07:25		07:00		06:19		06:27	17:08 (12)	05:44		18:42 (13)	05:44		06:31 (18)	05:24
	16:48		17:26	22	07:42 (21)	18:00	27	17:35 (12)	19:34	22	19:04 (13)	20:06	36	07:07 (18)	20:32
12	07:25		06:59		06:17		06:25	17:07 (12)	05:43		18:40 (13)	05:43		06:32 (18)	05:24
	16:49		17:27	24	07:43 (21)	18:01	27	17:34 (12)	19:35	26	19:06 (13)	20:07	35	07:07 (18)	20:33
13	07:24		06:58		06:15		06:23	17:07 (12)	05:42		18:38 (13)	05:42		06:32 (18)	05:24
	16:50		17:28	25	07:44 (21)	18:02	26	17:33 (12)	19:36	29	19:07 (13)	20:08	34	07:06 (18)	20:33
14	07:24		06:57		06:14		06:22	17:08 (12)	05:41		18:37 (13)	05:41		06:33 (18)	05:24
	16:51		17:30	26	07:44 (21)	18:03	25	17:33 (12)	19:37	32	19:09 (13)	20:09	32	07:05 (18)	20:34
15	07:24		06:55		06:12		06:20	17:08 (12)	05:40		18:35 (13)	05:40		06:35 (18)	05:24
	16:52		17:31	26	07:44 (21)	18:04	24	17:32 (12)	19:38	34	19:09 (13)	20:10	30	07:05 (18)	20:34
16	07:23		06:54		06:10		06:19	17:08 (12)	05:39		18:34 (13)	05:39		06:36 (18)	05:24
	16:53		17:32	25	07:43 (21)	18:05	22	17:30 (12)	19:39	35	19:09 (13)	20:11	28	07:04 (18)	20:35
17	07:23		06:53		06:09		06:17	17:10 (12)	05:38		06:48 (18)	05:38		06:37 (18)	05:24
	16:55		17:33	25	07:43 (21)	18:06	20	17:30 (12)	19:40	48	19:10 (13)	20:12	26	07:03 (18)	20:35
18	07:22		06:51		06:07		06:16	17:11 (12)	05:37		06:43 (18)	05:37		06:38 (18)	05:24
	16:56		17:35	24	07:43 (21)	18:07	16	17:27 (12)	19:41	58	19:10 (13)	20:13	23	07:01 (18)	20:35
19	07:22		06:50		06:05		06:14	17:13 (12)	05:36		06:41 (18)	05:36		06:39 (18)	05:24
	16:57		17:36	23	07:42 (21)	18:09	11	17:24 (12)	19:42	62	19:10 (13)	20:14	21	07:00 (18)	20:36
20	07:21		06:48		06:04		06:12		05:35		06:39 (18)	05:35		06:41 (18)	05:24
	16:58		17:37	22	07:42 (21)	18:10		19:44	66	19:10 (13)	20:15	17	06:58 (18)	20:36	
21	07:20		06:47		06:02		06:11		05:35		06:38 (18)	05:35		06:43 (18)	05:24
	16:59		17:38	20	07:40 (21)	18:11		19:45	68	19:10 (13)	20:16	13	06:56 (18)	20:36	
22	07:20		06:45		06:00		06:09		05:34		06:36 (18)	05:34		06:48 (18)	05:24
	17:01		17:40	17	07:39 (21)	18:12		19:46	72	19:10 (13)	20:17	4	06:52 (18)	20:36	
23	07:19		06:44		05:59		06:08		05:33		06:35 (18)	05:33			05:25
	17:02		17:41	12	07:36 (21)	18:13		19:47	74	19:10 (13)	20:18			20:36	
24	07:18		06:43		05:57		06:06		05:32		06:34 (18)	05:32			05:25
	17:03		17:42	5	07:33 (21)	18:14		19:48	75	19:10 (13)	20:19			20:37	
25	07:18		06:41		05:55		06:05		05:31		06:33 (18)	05:31			05:25
	17:04		17:43		18:15		19:49	76	19:09 (13)	20:20				20:37	
26	07:17		06:40		05:53		06:04		05:31		06:32 (18)	05:31			05:25
	17:06		17:44		18:16		19:50	77	19:09 (13)	20:21				20:37	
27	07:16		06:38		05:52		06:02		05:30		06:31 (18)	05:30			05:26
	17:07		17:46		18:17		19:51	77	19:08 (13)	20:22				20:37	
28	07:15		06:36		05:50		06:01		05:29		06:31 (18)	05:29			05:26
	17:08		17:47		18:18		19:52	76	19:07 (13)	20:22				20:37	
29	07:14				06:48		05:59		05:29		06:31 (18)	05:29			05:27
	17:09				19:20		19:53	75	19:07 (13)	20:23				20:37	
30	07:13				06:47		05:58		05:28		06:30 (18)	05:28			05:27
	17:11				19:21		19:54	74	19:05 (13)	20:24				20:37	
31	07:13				06:45				05:28						20:37
	17:12				19:22				20:25						
Ore potenziali eliofania	296		296		369		399		450					454	
Totale, caso peggiore	355		367		361		1185		855						
Probabilità di eliofania	0.43		0.44		0.44		0.50		0.57						
Tempo di operatività rid.	0.30		0.30		0.30		0.30		0.30						
Dir. del vento rid.	0.75		0.71		0.52		0.58		0.53						
Totale ridotto	0.10		0.10		0.07		0.09		0.09						
Totale effettivo	36		35		26		108		80						

Legenda della tabella:

Giorno del mese Alba (hh:mm) Tramonto (hh:mm) Inizio ombreggiamento (hh:mm) Fine ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: Shadow Flickering Analysis **Recettore d'ombra: R7** - Shadow Receptor: 1.0 x 1.0 Azimuth: 0.0° Slope: 0.0° (82)
Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
437 192 40 16 67 346 208 192 120 99 425 524 2,665
: Soglia di cut-in dalla curva di potenza

	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre				
1	05:27	05:52	06:42 (18)	06:23	18:41 (13)	06:54	17:47 (12)	06:29	06:51 (21)	07:05
	20:37	20:17	36 07:18 (18)	19:33	22 19:03 (13)	18:42	26 18:13 (12)	16:55	20 07:11 (21)	16:29
2	05:28	05:53	06:42 (18)	06:24	18:43 (13)	06:55	17:46 (12)	06:31	06:52 (21)	07:06
	20:37	20:16	36 07:18 (18)	19:32	18 19:01 (13)	18:40	27 18:13 (12)	16:53	17 07:09 (21)	16:29
3	05:29	05:54	06:41 (18)	06:26	18:46 (13)	06:56	17:46 (12)	06:32	06:54 (21)	07:07
	20:36	20:15	38 07:19 (18)	19:30	11 18:57 (13)	18:39	27 18:13 (12)	16:52	15 07:09 (21)	16:29
4	05:29	05:55	06:41 (18)	06:27		06:57	17:46 (12)	06:33	06:55 (21)	07:08
	20:36	20:14	38 07:19 (18)	19:28		18:37	26 18:12 (12)	16:51	11 07:06 (21)	16:29
5	05:30	05:56	06:40 (18)	06:28		06:59	17:46 (12)	06:34	06:58 (21)	07:09
	20:36	20:13	40 07:20 (18)	19:27		18:35	25 18:11 (12)	16:50	4 07:02 (21)	16:29
6	05:30	05:57	06:40 (18)	06:29		07:00	17:46 (12)	06:35		07:10
	20:36	20:11	51 19:04 (13)	19:25		18:34	24 18:10 (12)	16:48		16:28
7	05:31	05:58	06:39 (18)	06:30		07:01	17:47 (12)	06:37		07:11
	20:35	20:10	58 19:07 (13)	19:23		18:32	22 18:09 (12)	16:47		16:28
8	05:31	05:59	06:39 (18)	06:31		07:02	17:47 (12)	06:38		07:12
	20:35	20:09	63 19:09 (13)	19:22		18:30	20 18:07 (12)	16:46		16:28
9	05:32	06:00	06:39 (18)	06:32		07:03	17:49 (12)	06:39		07:13
	20:35	20:08	66 19:10 (13)	19:20		18:29	16 18:05 (12)	16:45		16:28
10	05:33	06:01	06:39 (18)	06:33		07:04	17:51 (12)	06:40		07:14
	20:34	20:06	69 19:12 (13)	19:18		18:27	11 18:02 (12)	16:44		16:28
11	05:34	06:02	06:39 (18)	06:34		07:05		06:41		07:14
	20:34	20:05	71 19:13 (13)	19:17		18:25		16:43		16:28
12	05:34	06:03	06:38 (18)	06:35		07:06		06:43		07:15
	20:33	20:04	73 19:13 (13)	19:15		18:24		16:42		16:28
13	05:35	06:04	06:38 (18)	06:36		07:07		06:44		07:16
	20:33	20:02	75 19:14 (13)	19:13		18:22		16:41		16:28
14	05:36	06:05	06:39 (18)	06:37		07:08		06:45		07:17
	20:32	20:01	76 19:15 (13)	19:11		18:21		16:40		16:29
15	05:37	06:06	06:39 (18)	06:38		07:09		06:46		07:18
	20:32	20:00	75 19:15 (13)	19:10		18:19		16:39		16:29
16	05:37	06:07	06:39 (18)	06:39		07:11		06:48		07:18
	20:31	19:58	76 19:15 (13)	19:08		18:17		16:38		16:29
17	05:38	06:08	06:39 (18)	06:40		07:12		06:49		07:19
	20:31	19:57	77 19:16 (13)	19:06		18:16		16:38		16:29
18	05:39	06:09	06:40 (18)	06:41		07:13		06:50		07:20
	20:30	19:55	75 19:16 (13)	19:04		18:14	8 07:58 (21)	16:37		16:30
19	05:40	06:10	06:40 (18)	06:42		07:14		06:51		07:20
	20:29	19:54	76 19:16 (13)	19:03		18:13	15 08:09 (21)	16:36		16:30
20	05:41	06:11	06:41 (18)	06:43		07:15		06:52		07:21
	20:28	19:52	73 19:16 (13)	19:01		18:11	18 08:10 (21)	16:35		16:31
21	05:42	06:12	06:42 (18)	06:44		07:16		06:54		07:21
	20:28	19:51	70 19:15 (13)	18:59		18:10	20 08:11 (21)	16:35		16:31
22	05:42	06:55 (18)	06:13	06:43 (18)	06:45	07:17		06:55		07:22
	20:27	9 07:04 (18)	19:49	69 19:15 (13)	18:58	18:08	23 08:13 (21)	16:34		16:31
23	05:43	06:53 (18)	06:14	06:44 (18)	06:46	07:19		06:56		07:23
	20:26	14 07:07 (18)	19:48	66 19:15 (13)	18:56	18:07	24 08:13 (21)	16:33		16:32
24	05:44	06:51 (18)	06:15	06:46 (18)	06:47	07:20		06:57		07:23
	20:25	18 07:09 (18)	19:46	61 19:14 (13)	18:54	8 18:06 (12)	25 08:13 (21)	16:33		16:33
25	05:45	06:49 (18)	06:16	06:48 (18)	06:48	07:21		06:58		07:23
	20:24	22 07:11 (18)	19:45	56 19:14 (13)	18:52	15 18:09 (12)	25 07:13 (21)	16:32		16:33
26	05:46	06:48 (18)	06:17	06:51 (18)	06:49	07:22		06:59		07:24
	20:23	25 07:13 (18)	19:43	47 19:13 (13)	18:51	18 18:10 (12)	26 07:13 (21)	16:32		16:34
27	05:47	06:47 (18)	06:18	18:37 (13)	06:50	07:23		07:00		07:24
	20:22	27 07:14 (18)	19:41	35 19:12 (13)	18:49	21 18:11 (12)	26 07:14 (21)	16:31		16:34
28	05:48	06:46 (18)	06:19	18:37 (13)	06:51	17:49 (12)	06:25	06:48 (21)	07:02	07:24
	20:21	29 07:15 (18)	19:40	34 19:11 (13)	18:47	23 18:12 (12)	25 07:13 (21)	16:31		16:35
29	05:49	06:44 (18)	06:20	18:38 (13)	06:52	17:48 (12)	06:26	06:48 (21)	07:03	07:25
	20:20	31 07:15 (18)	19:38	32 19:10 (13)	18:45	24 18:12 (12)	25 07:13 (21)	16:30		16:36
30	05:50	06:43 (18)	06:21	18:39 (13)	06:53	17:47 (12)	06:27	06:49 (21)	07:04	07:25
	20:19	33 07:16 (18)	19:37	29 19:08 (13)	18:44	26 18:13 (12)	24 16:57	07:13 (21)	16:30	16:37
31	05:51	06:43 (18)	06:22	18:39 (13)			06:28	06:50 (21)		07:25
	20:18	34 07:17 (18)	19:35	26 19:05 (13)			16:56	22 07:12 (21)		16:37
Ore potenziali eliofania	461		429		375		345		297	286
Totale, caso peggiore	242		1767		186		530		67	1710
Probabilità di eliofania	0.68		0.68		0.61		0.52		0.47	0.41
Tempo di operatività rid.	0.30		0.30		0.30		0.30		0.30	0.30
Dir. del vento rid.	0.51		0.57		0.55		0.63		0.71	0.75
Totale ridotto	0.11		0.12		0.10		0.10		0.10	0.10
Totale effettivo	26		213		19		54		7	164

Legenda della tabella:

Giorno del mese Alba (hh:mm) Tramonto (hh:mm) Inizio ombreggiamento (hh:mm) Fine ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: Shadow Flickering Analysis **Recettore d'ombra: R8** - Shadow Receptor: 1.0 x 1.0 Azimuth: 0.0° Slope: 0.0° (83)
 Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
 4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
 437 192 40 16 67 346 208 192 120 99 425 524 2,665
 : Soglia di cut-in dalla curva di potenza

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno
1	07:25 16:38	07:12 17:13	07:32 (21) 07:49 (21)	06:35 17:48	17:10 (12) 19:23	06:40 (18) 20:26
2	07:26 16:39	07:11 17:14	07:31 (21) 07:51 (21)	06:33 17:49	17:08 (12) 19:24	06:41 (18) 20:26
3	07:26 16:40	07:10 17:16	07:30 (21) 07:52 (21)	06:32 17:50	17:07 (12) 19:25	06:41 (18) 20:27
4	07:26 16:41	07:08 17:17	07:29 (21) 07:53 (21)	06:30 17:51	17:06 (12) 19:26	06:41 (18) 20:28
5	07:26 16:42	07:07 17:18	07:27 (21) 07:52 (21)	06:29 17:53	17:06 (12) 19:27	06:42 (18) 20:29
6	07:26 16:43	07:06 17:19	07:27 (21) 07:53 (21)	06:27 17:54	17:05 (12) 19:28	06:43 (18) 20:29
7	07:26 16:44	07:05 17:21	07:27 (21) 07:53 (21)	06:25 17:55	17:05 (12) 19:29	06:44 (18) 20:30
8	07:25 16:45	07:04 17:22	07:27 (21) 07:54 (21)	06:24 17:56	17:05 (12) 19:30	06:45 (18) 20:31
9	07:25 16:46	07:03 17:23	07:28 (21) 07:54 (21)	06:22 17:57	17:05 (12) 19:32	06:46 (18) 20:31
10	07:25 16:47	07:02 17:25	07:27 (21) 07:53 (21)	06:20 17:58	17:05 (12) 19:33	06:47 (18) 20:32
11	07:25 16:48	07:00 17:26	07:28 (21) 07:53 (21)	06:19 18:00	17:06 (12) 19:34	06:47 (18) 20:32
12	07:25 16:49	06:59 17:27	07:28 (21) 07:53 (21)	06:17 18:01	17:07 (12) 19:35	06:49 (18) 20:33
13	07:24 16:50	06:58 17:28	07:29 (21) 07:53 (21)	06:15 18:02	17:08 (12) 19:36	06:51 (18) 20:33
14	07:24 16:51	06:57 17:30	07:29 (21) 07:51 (21)	06:14 18:03	17:10 (12) 19:37	06:54 (18) 20:34
15	07:24 16:52	06:55 17:31	07:31 (21) 07:51 (21)	06:12 18:04	06:20 19:38	06:54 (18) 20:34
16	07:23 16:53	06:54 17:32	07:32 (21) 07:49 (21)	06:10 18:05	06:19 19:39	06:54 (18) 20:35
17	07:23 16:55	06:53 17:33	07:34 (21) 07:47 (21)	06:09 18:06	06:17 19:40	06:54 (18) 20:35
18	07:22 16:56	06:51 17:35	07:39 (21) 07:43 (21)	06:07 18:07	06:16 19:41	06:54 (18) 20:35
19	07:22 16:57	06:50 17:36	06:05 18:09	06:05 18:09	06:14 19:42	06:54 (18) 20:36
20	07:21 16:58	06:48 17:37	06:04 18:10	06:04 18:10	06:12 19:44	06:54 (18) 20:36
21	07:20 16:59	06:47 17:38	06:02 18:11	06:02 18:11	06:11 19:45	06:54 (18) 20:36
22	07:20 17:01	06:45 17:40	06:00 18:12	06:00 18:12	06:09 19:46	06:54 (18) 20:36
23	07:19 17:02	06:44 17:41	05:59 18:13	05:59 18:13	06:08 19:47	06:54 (18) 20:36
24	07:18 17:03	06:43 17:42	05:57 18:14	05:57 18:14	06:06 19:48	06:54 (18) 20:37
25	07:18 17:04	06:41 17:43	05:55 18:15	05:55 18:15	06:05 19:49	06:54 (18) 20:37
26	07:17 17:06	06:40 17:44	05:53 18:16	05:53 18:16	06:04 19:50	06:54 (18) 20:37
27	07:16 17:07	06:38 17:46	17:15 (12) 17:23 (12)	05:52 18:17	06:02 19:51	06:54 (18) 20:37
28	07:15 17:08	06:36 17:47	17:12 (12) 17:25 (12)	05:50 18:18	06:01 19:52	06:54 (18) 20:37
29	07:14 17:09	07:36 (21) 07:43 (21)	06:48 19:20	06:48 19:20	05:59 19:53	06:54 (18) 20:37
30	07:13 17:11	07:34 (21) 07:46 (21)	06:47 19:21	06:47 19:21	05:58 19:54	06:54 (18) 20:37
31	07:13 17:12	07:33 (21) 07:48 (21)	06:45 19:22	06:45 19:22	07:23 (18) 20:25	06:54 (18) 20:37
Ore potenziali eliofania	296	296	369	399	450	454
Totale, caso peggiore	34	410	299	1505	442	
Probabilità di eliofania	0.43	0.44	0.44	0.50	0.57	
Tempo di operatività rid.	0.30	0.30	0.30	0.30	0.30	
Dir. del vento rid.	0.73	0.71	0.51	0.57	0.53	
Totale ridotto	0.10	0.10	0.07	0.09	0.09	
Totale effettivo	3	40	21	133	41	

Legenda della tabella:

Giorno del mese Alba (hh:mm) Tramonto (hh:mm) Minuti d'ombra Inizio ombreggiamento (hh:mm) Fine ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: Shadow Flickering Analysis **Recettore d'ombra: R8** - Shadow Receptor: 1.0 x 1.0 Azimuth: 0.0° Slope: 0.0° (83)
 Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen	Feb	Mar	Apr	Mag	Mag	Giu	Lug	Ago	Set	Ott	Nov	Dic
4.12	4.66	5.30	6.72	8.25	9.35	10.16	9.45	7.64	5.82	4.65	3.82	

Tempo di operatività

N	NNE	ENE	E	ESE	SSE	S	SSO	OSO	O	ONO	NNO	Somma
437	192	40	16	67	346	208	192	120	99	425	524	2,665

: Soglia di cut-in dalla curva di potenza

	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre					
1	05:27	05:52	06:59 (18)	06:23	06:56 (18)	06:54	17:47 (12)	06:29	06:57 (21)	07:05	
	20:37	20:17	23 07:22 (18)	19:33	55 19:01 (13)	18:42	18	18:05 (12)	16:54	26 07:23 (21)	16:29
2	05:28	05:53	06:58 (18)	06:24	06:59 (18)	06:55	17:45 (12)	06:31	06:56 (21)	07:06	
	20:37	20:16	26 07:24 (18)	19:32	47 19:01 (13)	18:40	21	18:06 (12)	16:53	27 07:23 (21)	16:29
3	05:29	05:54	06:56 (18)	06:26	18:25 (13)	06:56	17:44 (12)	06:32	06:57 (21)	07:07	
	20:36	20:15	29 07:25 (18)	19:30	35 19:00 (13)	18:39	23	18:07 (12)	16:52	27 07:24 (21)	16:29
4	05:29	05:55	06:55 (18)	06:27	18:25 (13)	06:57	17:43 (12)	06:33	06:57 (21)	07:08	
	20:36	20:14	31 07:26 (18)	19:28	34 18:59 (13)	18:37	24	18:07 (12)	16:51	26 07:23 (21)	16:29
5	05:30	05:56	06:54 (18)	06:28	18:26 (13)	06:59	17:42 (12)	06:34	06:57 (21)	07:09	
	20:36	20:13	33 07:27 (18)	19:27	32 18:58 (13)	18:35	25	18:07 (12)	16:50	26 07:23 (21)	16:29
6	05:30	05:57	06:53 (18)	06:29	18:26 (13)	07:00	17:41 (12)	06:35	06:58 (21)	07:10	
	20:36	20:11	35 07:28 (18)	19:25	31 18:57 (13)	18:34	26	18:07 (12)	16:48	25 07:23 (21)	16:28
7	05:31	05:58	06:52 (18)	06:30	18:27 (13)	07:01	17:41 (12)	06:37	06:59 (21)	07:11	
	20:35	20:10	37 07:29 (18)	19:23	29 18:56 (13)	18:32	25	18:06 (12)	16:47	23 07:22 (21)	16:28
8	05:31	05:59	06:51 (18)	06:31	18:28 (13)	07:02	17:41 (12)	06:38	07:00 (21)	07:12	
	20:35	20:09	39 07:30 (18)	19:22	26 18:54 (13)	18:30	25	18:06 (12)	16:46	21 07:21 (21)	16:28
9	05:32	06:00	06:51 (18)	06:32	18:29 (13)	07:03	17:41 (12)	06:39	07:02 (21)	07:13	
	20:35	20:08	39 07:30 (18)	19:20	23 18:52 (13)	18:29	24	18:05 (12)	16:45	19 07:21 (21)	16:28
10	05:33	06:01	06:50 (18)	06:33	18:31 (13)	07:04	17:41 (12)	06:40	07:03 (21)	07:14	
	20:34	20:06	41 07:31 (18)	19:18	19 18:50 (13)	18:27	22	18:03 (12)	16:44	17 07:20 (21)	16:28
11	05:34	06:02	06:49 (18)	06:34	18:33 (13)	07:05	17:42 (12)	06:41	07:04 (21)	07:14	
	20:34	20:05	42 07:31 (18)	19:17	14 18:47 (13)	18:25	21	18:03 (12)	16:43	14 07:18 (21)	16:28
12	05:34	06:03	06:49 (18)	06:35		07:06	17:43 (12)	06:43	07:05 (21)	07:15	
	20:33	20:04	43 07:32 (18)	19:15		18:24	18	18:01 (12)	16:42	11 07:16 (21)	16:28
13	05:35	06:04	06:48 (18)	06:36		07:07	17:44 (12)	06:44	07:08 (21)	07:16	
	20:33	20:02	44 07:32 (18)	19:13		18:22	15	17:59 (12)	16:41	6 07:14 (21)	16:28
14	05:36	06:05	06:48 (18)	06:37		07:08	17:46 (12)	06:45			07:17
	20:32	20:01	44 07:32 (18)	19:11		18:21	11	17:57 (12)	16:40		16:29
15	05:37	06:06	06:47 (18)	06:38		07:09		06:46			07:18
	20:32	20:00	45 07:32 (18)	19:10		18:19		16:39			16:29
16	05:37	06:07	06:47 (18)	06:39		07:11		06:48			07:18
	20:31	19:58	45 07:32 (18)	19:08		18:17		16:38			16:29
17	05:38	06:08	06:47 (18)	06:40		07:12		06:49			07:19
	20:31	19:57	45 07:32 (18)	19:06		18:16		16:38			16:29
18	05:39	06:09	06:47 (18)	06:41		07:13		06:50			07:20
	20:30	19:55	54 18:53 (13)	19:04		18:14		16:37			16:30
19	05:40	06:10	06:47 (18)	06:42		07:14		06:51			07:20
	20:29	19:54	61 18:56 (13)	19:03		18:13		16:36			16:30
20	05:41	06:11	06:47 (18)	06:43		07:15		06:52			07:21
	20:28	19:52	65 18:58 (13)	19:01		18:11		16:35			16:31
21	05:42	06:12	06:47 (18)	06:44		07:16		06:54			07:21
	20:28	19:51	67 18:59 (13)	18:59		18:10		16:35			16:31
22	05:42	06:13	06:47 (18)	06:45		07:17		06:55			07:22
	20:27	19:49	70 19:01 (13)	18:58		18:08		16:34			16:31
23	05:43	06:14	06:47 (18)	06:46		07:19		06:56			07:23
	20:26	19:48	71 19:01 (13)	18:56		18:07		16:33			16:32
24	05:44	06:15	06:47 (18)	06:47		07:20		08:07 (21)	06:57		07:23
	20:25	19:46	73 19:02 (13)	18:54		18:05	7	08:14 (21)	16:33		16:33
25	05:45	06:16	06:48 (18)	06:48		06:21		07:03 (21)	06:58		07:23
	20:24	19:45	73 19:03 (13)	18:52		17:04	14	07:17 (21)	16:32		16:33
26	05:46	06:17	06:48 (18)	06:49		06:22		07:01 (21)	06:59		07:24
	20:23	19:43	73 19:03 (13)	18:51		17:03	18	07:19 (21)	16:32		16:34
27	05:47	06:18	06:49 (18)	06:50		06:23		07:00 (21)	07:00		07:24
	20:22	19:41	71 19:03 (13)	18:49		17:01	21	07:21 (21)	16:31		16:34
28	05:48	06:19	06:50 (18)	06:51		06:25		06:59 (21)	07:02		07:24
	20:21	19:40	69 19:03 (13)	18:47		17:00	22	07:21 (21)	16:31		16:35
29	05:49	07:07 (18)	06:20	06:51 (18)	06:52	17:51 (12)	06:26	06:58 (21)	07:03		07:25
	20:20	7 07:14 (18)	19:38	19:03 (13)	18:45	10 18:01 (12)	16:58	24 07:22 (21)	16:30		16:36
30	05:50	07:03 (18)	06:21	06:52 (18)	06:53	17:48 (12)	06:27	06:58 (21)	07:04		07:25
	20:19	15 07:18 (18)	19:37	19:03 (13)	18:44	15 18:03 (12)	16:57	25 07:23 (21)	16:30		16:37
31	05:51	07:01 (18)	06:22	06:53 (18)			06:28	06:57 (21)			07:25
	20:18	19 07:20 (18)	19:35	19:02 (13)			16:56	26 07:23 (21)			16:37
Ore potenziali eliofania	461		429		375		345		297		286
Totale, caso peggiore	41		1583		370		455		268		
Probabilità di eliofania	0.68		0.68		0.61		0.52		0.47		
Tempo di operatività rid.	0.30		0.30		0.30		0.30		0.30		
Dir. del vento rid.	0.53		0.55		0.60		0.58		0.73		
Totale ridotto	0.11		0.12		0.11		0.09		0.10		
Totale effettivo	5		184		42		42		28		

Legenda della tabella:

Giorno del mese Alba (hh:mm) Tramonto (hh:mm) Inizio ombreggiamento (hh:mm) Fine ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: Shadow Flickering Analysis **Recettore d'ombra: R9** - Shadow Receptor: 1.0 x 1.0 Azimuth: 0.0° Slope: 0.0° (84)
 Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
 4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
 437 192 40 16 67 346 208 192 120 99 425 524 2,665

: Soglia di cut-in dalla curva di potenza

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno		
1	07:26 16:39	07:12 17:14	06:35 17:48	06:44 19:23	07:02 (8) 07:18 (8)	05:57 19:56	05:28 20:26	06:23 (3) 07:30 (3)
2	07:26 16:40	07:11 17:15	06:34 17:50	06:42 19:24	07:01 (8) 07:19 (8)	05:56 19:57	05:27 20:27	06:23 (3) 07:31 (3)
3	07:26 16:40	07:10 17:16	06:32 17:51	06:40 19:25	07:00 (8) 07:17 (8)	05:54 19:58	05:27 20:28	06:23 (3) 07:31 (3)
4	07:26 16:41	07:09 17:17	06:31 17:52	06:39 19:27	07:00 (8) 07:16 (8)	05:53 19:59	05:26 20:28	06:23 (3) 07:31 (3)
5	07:26 16:42	07:08 17:19	06:29 17:53	06:37 19:28	07:02 (8) 07:15 (8)	05:52 20:00	05:26 20:29	06:23 (3) 07:32 (3)
6	07:26 16:43	07:07 17:20	06:27 17:54	06:35 19:29	07:04 (8) 07:12 (8)	05:51 20:01	05:26 20:30	06:24 (3) 07:32 (3)
7	07:26 16:44	07:06 17:21	06:26 17:55	06:34 19:30	05:49 20:02	06:45 (3) 07:08 (3)	05:25 20:30	06:23 (3) 07:32 (3)
8	07:26 16:45	07:04 17:22	06:24 17:57	06:32 19:31	05:48 20:03	06:42 (3) 07:11 (3)	05:25 20:31	06:23 (3) 07:32 (3)
9	07:26 16:46	07:03 17:24	06:23 17:58	06:30 19:32	05:47 20:05	06:39 (3) 07:13 (3)	05:25 20:32	06:24 (3) 07:33 (3)
10	07:26 16:47	07:02 17:25	06:21 17:59	06:29 19:33	05:46 20:06	06:38 (3) 07:15 (3)	05:25 20:32	06:24 (3) 07:33 (3)
11	07:25 16:48	07:01 17:26	06:19 18:00	06:27 19:34	05:45 20:07	06:36 (3) 07:17 (3)	05:24 20:33	06:24 (3) 07:33 (3)
12	07:25 16:49	07:00 17:28	06:18 18:01	06:25 19:35	05:44 20:08	06:34 (3) 07:18 (3)	05:24 20:33	06:24 (3) 07:34 (3)
13	07:25 16:51	06:58 17:29	06:16 18:02	06:24 19:36	05:43 20:09	06:33 (3) 07:19 (3)	05:24 20:34	06:25 (3) 07:34 (3)
14	07:24 16:52	06:57 17:30	06:14 18:03	06:22 19:37	05:42 20:10	06:32 (3) 07:20 (3)	05:24 20:34	06:24 (3) 07:33 (3)
15	07:24 16:53	06:56 17:31	06:13 18:05	06:21 19:39	05:40 20:11	06:31 (3) 07:21 (3)	05:24 20:35	06:25 (3) 07:35 (3)
16	07:24 16:54	06:54 17:33	06:11 18:06	06:19 19:40	05:39 20:12	06:30 (3) 07:22 (3)	05:24 20:35	06:25 (3) 07:35 (3)
17	07:23 16:55	06:53 17:34	06:09 18:07	06:18 19:41	05:39 20:13	06:29 (3) 07:23 (3)	05:24 20:35	06:25 (3) 07:35 (3)
18	07:23 16:56	06:52 17:35	06:07 18:08	06:16 19:42	05:38 20:14	06:28 (3) 07:24 (3)	05:24 20:36	06:25 (3) 07:35 (3)
19	07:22 16:57	06:50 17:36	06:06 18:09	06:14 19:43	05:37 20:15	06:27 (3) 07:24 (3)	05:24 20:36	06:25 (3) 07:35 (3)
20	07:21 16:59	06:49 17:37	06:04 18:10	06:13 19:44	05:36 20:16	06:27 (3) 07:26 (3)	05:24 20:36	06:25 (3) 07:35 (3)
21	07:21 17:00	06:47 17:39	06:02 18:11	06:11 19:45	05:35 20:17	06:26 (3) 07:26 (3)	05:25 20:37	06:25 (3) 07:35 (3)
22	07:20 17:01	06:46 17:40	06:01 18:12	06:10 19:46	05:34 20:18	06:26 (3) 07:26 (3)	05:25 20:37	06:25 (3) 07:35 (3)
23	07:20 17:02	06:44 17:41	05:59 18:13	06:08 19:47	05:33 20:18	06:25 (3) 07:27 (3)	05:25 20:37	06:26 (3) 07:36 (3)
24	07:19 17:03	06:43 17:42	05:57 18:15	06:07 19:48	05:33 20:19	06:25 (3) 07:28 (3)	05:25 20:37	06:26 (3) 07:36 (3)
25	07:18 17:05	06:41 17:44	05:56 18:16	06:05 19:49	05:32 20:20	06:25 (3) 07:28 (3)	05:26 20:37	06:26 (3) 07:36 (3)
26	07:17 17:06	06:40 17:45	05:54 18:17	06:04 19:51	05:31 20:21	06:24 (3) 07:28 (3)	05:26 20:37	06:27 (3) 07:37 (3)
27	07:17 17:07	06:38 17:46	05:52 18:18	06:03 19:52	05:30 20:22	06:24 (3) 07:29 (3)	05:26 20:37	06:27 (3) 07:37 (3)
28	07:16 17:08	06:37 17:47	05:50 18:19	06:01 19:53	05:30 20:23	06:24 (3) 07:29 (3)	05:27 20:37	06:27 (3) 07:36 (3)
29	07:15 17:10	06:49 19:20	07:07 (8) 19:20	06:00 19:54	05:29 20:24	06:24 (3) 07:30 (3)	05:27 20:37	06:28 (3) 07:37 (3)
30	07:14 17:11	06:47 19:21	07:06 (8) 19:21	05:58 19:55	05:29 20:25	06:23 (3) 07:30 (3)	05:27 20:37	06:27 (3) 07:37 (3)
31	07:13 17:12	06:45 19:22	07:04 (8) 07:19 (8)	05:57 07:19 (8)	05:28 20:25	06:24 (3) 07:31 (3)	05:27 20:37	06:27 (3) 07:37 (3)
Ore potenziali eliofania	296	296	369	399	450	454		
Totale, caso peggiore			58	88	1346	2079		
Probabilità di eliofania			0.44	0.50	0.57	0.62		
Tempo di operatività rid.			0.30	0.30	0.30	0.30		
Dir. del vento rid.			0.58	0.58	0.49	0.49		
Totale ridotto			0.08	0.09	0.08	0.09		
Totale effettivo			5	8	114	192		

Legenda della tabella:

Giorno del mese Alba (hh:mm) Tramonto (hh:mm) Minuti d'ombra Inizio ombreggiamento (hh:mm) Fine ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: Shadow Flickering Analysis Recettore d'ombra: R9 - Shadow Receptor: 1.0 x 1.0 Azimuth: 0.0° Slope: 0.0° (84)
 Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
 4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
 437 192 40 16 67 346 208 192 120 99 425 524 2,665

: Soglia di cut-in dalla curva di potenza

	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	05:28	06:28 (3)	05:52	06:46 (3)	06:24	06:55
	20:37	70 07:38 (3)	20:18	42 07:28 (3)	19:34	18:42
2	05:28	06:28 (3)	05:53	06:47 (3)	06:25	06:56
	20:37	69 07:37 (3)	20:17	40 07:27 (3)	19:32	18:41
3	05:29	06:29 (3)	05:54	06:49 (3)	06:26	06:57
	20:37	69 07:38 (3)	20:15	36 07:25 (3)	19:31	18:39
4	05:29	06:28 (3)	05:55	06:51 (3)	06:27	06:58
	20:37	70 07:38 (3)	20:14	32 07:23 (3)	19:29	18:37
5	05:30	06:29 (3)	05:56	06:52 (3)	06:28	06:59
	20:36	69 07:38 (3)	20:13	27 07:19 (3)	19:27	18:36
6	05:31	06:30 (3)	05:57	06:56 (3)	06:29	07:00 (8)
	20:36	69 07:39 (3)	20:12	20 07:16 (3)	19:25	8 07:08 (8)
7	05:31	06:30 (3)	05:58	07:01 (3)	06:30	06:57 (8)
	20:36	68 07:38 (3)	20:11	9 07:10 (3)	19:24	13 07:10 (8)
8	05:32	06:30 (3)	05:59	06:31	06:31	06:56 (8)
	20:36	69 07:39 (3)	20:09	15 19:22	15 07:11 (8)	18:31
9	05:33	06:30 (3)	06:00	06:32	06:32	06:54 (8)
	20:35	68 07:38 (3)	20:08	17 19:20	17 07:11 (8)	18:29
10	05:33	06:31 (3)	06:01	06:33	06:33	06:54 (8)
	20:35	67 07:38 (3)	20:07	18 19:19	18 07:12 (8)	18:27
11	05:34	06:31 (3)	06:02	06:34	06:34	06:55 (8)
	20:34	68 07:39 (3)	20:06	17 19:17	17 07:12 (8)	18:26
12	05:35	06:32 (3)	06:03	06:35	06:35	06:56 (8)
	20:34	67 07:39 (3)	20:04	15 19:15	15 07:11 (8)	18:24
13	05:35	06:32 (3)	06:04	06:36	06:36	06:57 (8)
	20:33	66 07:38 (3)	20:03	14 19:14	14 07:11 (8)	18:23
14	05:36	06:32 (3)	06:05	06:37	06:37	06:58 (8)
	20:33	66 07:38 (3)	20:01	12 19:12	12 07:10 (8)	18:21
15	05:37	06:33 (3)	06:06	06:38	06:38	06:59 (8)
	20:32	65 07:38 (3)	20:00	10 19:10	10 07:09 (8)	18:19
16	05:38	06:33 (3)	06:07	06:39	06:39	07:00 (8)
	20:32	65 07:38 (3)	19:59	7 19:08	7 07:07 (8)	18:18
17	05:39	06:33 (3)	06:08	06:40	06:40	07:01 (8)
	20:31	65 07:38 (3)	19:57	4 19:07	4 07:05 (8)	18:16
18	05:39	06:34 (3)	06:10	06:41	06:41	07:13
	20:30	63 07:37 (3)	19:56	19:05	18:15	16:37
19	05:40	06:34 (3)	06:11	06:42	06:42	07:14
	20:30	63 07:37 (3)	19:54	19:03	18:13	16:36
20	05:41	06:35 (3)	06:12	06:43	06:43	07:16
	20:29	62 07:37 (3)	19:53	19:01	18:12	16:36
21	05:42	06:36 (3)	06:13	06:44	06:44	07:17
	20:28	61 07:37 (3)	19:51	19:00	18:10	16:35
22	05:43	06:37 (3)	06:14	06:45	06:45	07:18
	20:27	60 07:37 (3)	19:50	18:58	18:09	16:34
23	05:44	06:36 (3)	06:15	06:46	06:46	07:19
	20:26	59 07:35 (3)	19:48	18:56	18:07	16:34
24	05:45	06:37 (3)	06:16	06:47	06:47	07:20
	20:26	58 07:35 (3)	19:47	18:54	18:06	16:33
25	05:46	06:38 (3)	06:17	06:48	06:48	06:21
	20:25	57 07:35 (3)	19:45	18:53	17:04	16:32
26	05:47	06:39 (3)	06:18	06:49	06:49	06:23
	20:24	55 07:34 (3)	19:44	18:51	17:03	16:32
27	05:47	06:40 (3)	06:19	06:50	06:50	06:24
	20:23	53 07:33 (3)	19:42	18:49	17:02	16:31
28	05:48	06:41 (3)	06:20	06:52	06:52	06:25
	20:22	52 07:33 (3)	19:40	18:48	17:00	16:31
29	05:49	06:42 (3)	06:21	06:53	06:53	06:26
	20:21	50 07:32 (3)	19:39	18:46	16:59	16:31
30	05:50	06:43 (3)	06:22	06:54	06:54	06:27
	20:20	48 07:31 (3)	19:37	18:44	16:57	16:30
31	05:51	06:44 (3)	06:23		06:29	06:29
	20:19	45 07:29 (3)	19:35		16:56	16:38
Ore potenziali eliofania	461	429	375	345	297	286
Totale, caso peggiore	1936	206	150			
Probabilità di eliofania	0.68	0.68	0.61			
Tempo di operatività rid.	0.30	0.30	0.30			
Dir. del vento rid.	0.49	0.49	0.58			
Totale ridotto	0.10	0.10	0.11			
Totale effettivo	198	21	16			

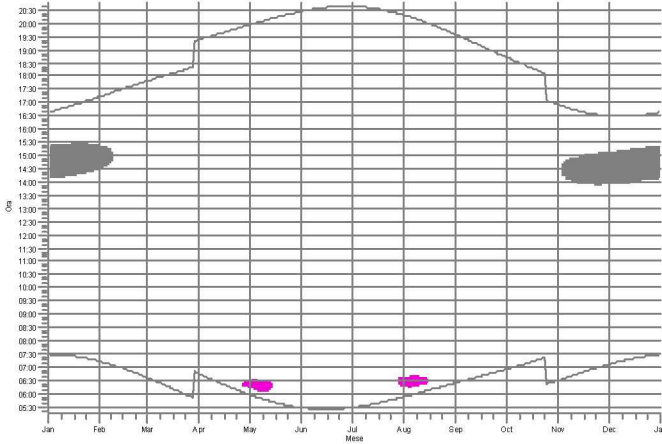
Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento)
 Tramonto (hh:mm) Minuti d'ombra Fine ombreggiamento (hh:mm) (WTG che provoca l'ultimo ombreggiamento)

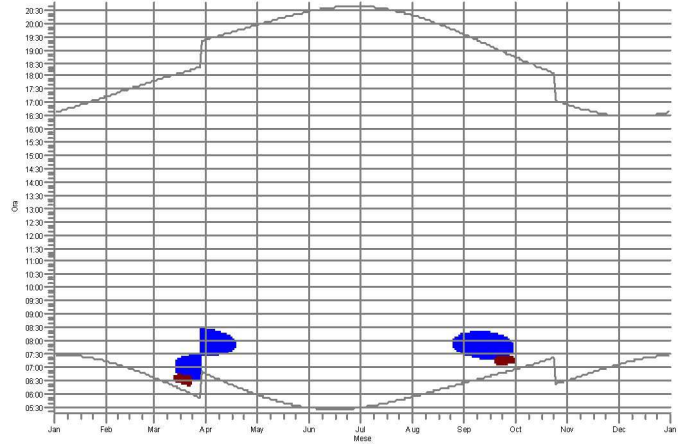
SHADOW - Calendario, grafico

Calcolo: Shadow Flickering Analysis

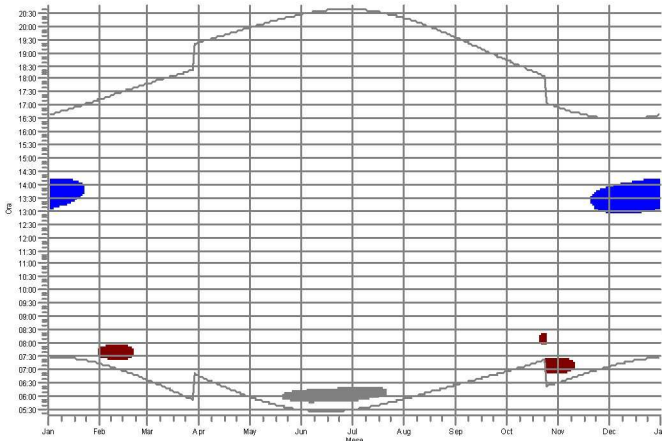
R1: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (76)



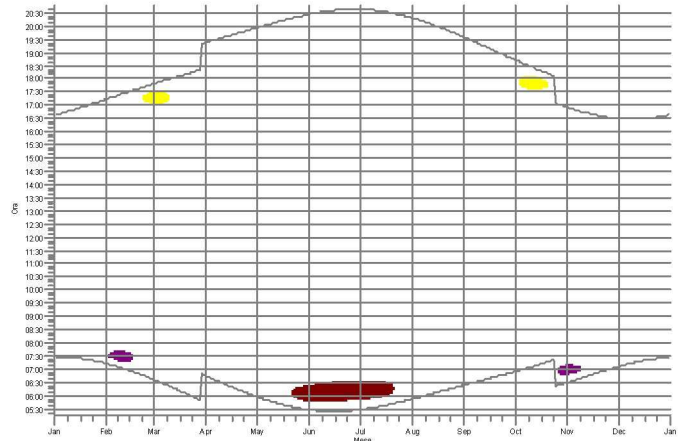
R10: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (85)



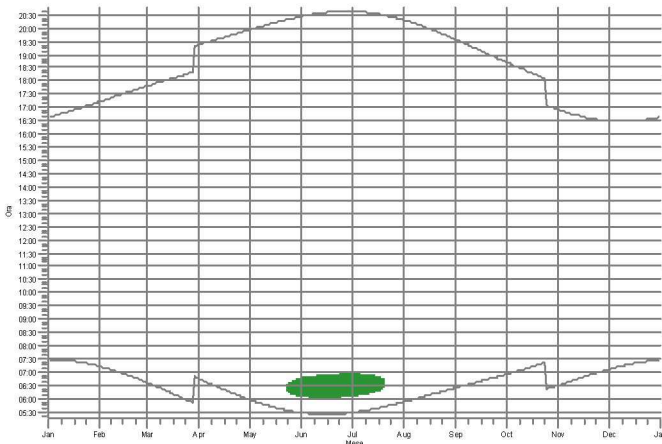
R11: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (86)



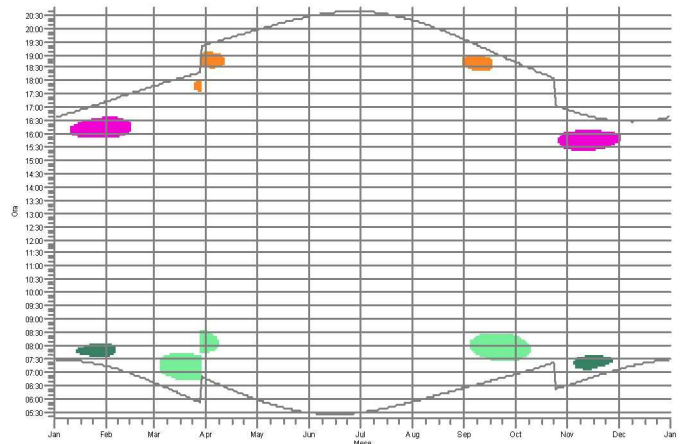
R12: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (87)



R13: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (88)



R14: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (89)



WTG

2: Siemens Gamesa SG 6.0-170 6000 170.0 I0I hub: 165.0 m (TOT: 250.0 m) (181)
3: Siemens Gamesa SG 6.0-170 6000 170.0 I0I hub: 165.0 m (TOT: 250.0 m) (182)
4: Siemens Gamesa SG 6.0-170 6000 170.0 I0I hub: 165.0 m (TOT: 250.0 m) (183)
8: Siemens Gamesa SG 6.0-170 6000 170.0 I0I hub: 165.0 m (TOT: 250.0 m) (187)

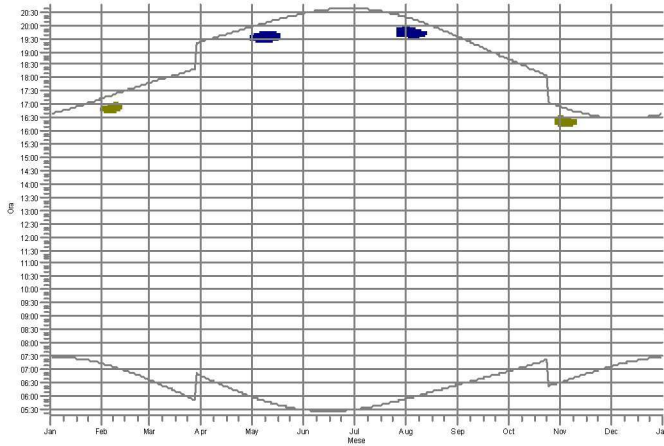
11: Siemens Gamesa SG 6.0-170 6000 170.0 I0I hub: 165.0 m (TOT: 250.0 m) (190)
23: Siemens Gamesa SG 6.0-170 6000 170.0 I0I hub: 165.0 m (TOT: 250.0 m) (202)
24: Siemens Gamesa SG 6.0-170 6000 170.0 I0I hub: 165.0 m (TOT: 250.0 m) (203)
26: Siemens Gamesa SG 6.0-170 6000 170.0 I0I hub: 165.0 m (TOT: 250.0 m) (205)

27: Siemens Gamesa SG 6.0-170 6000 170.0 I0I hub: 165.0 m (TOT: 250.0 m) (206)
29: Siemens Gamesa SG 6.0-170 6000 170.0 I0I hub: 165.0 m (TOT: 250.0 m) (208)

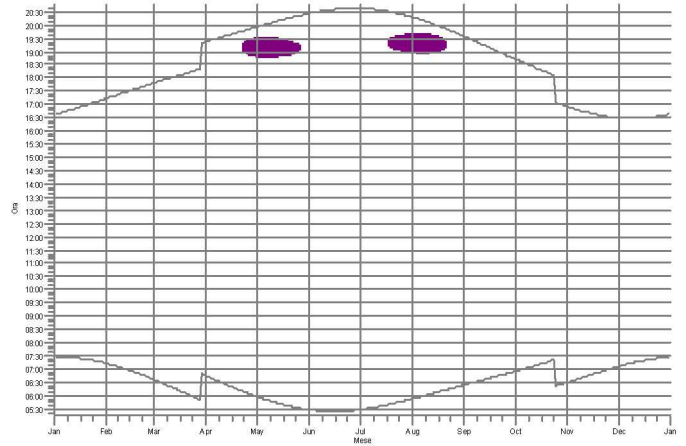
SHADOW - Calendario, grafico

Calcolo: Shadow Flickering Analysis

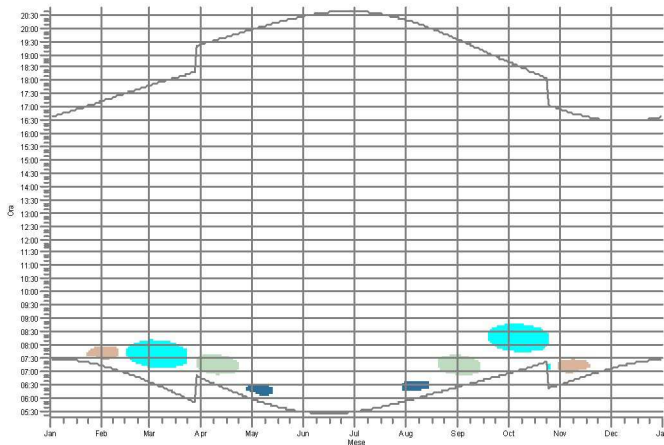
R15: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (90)



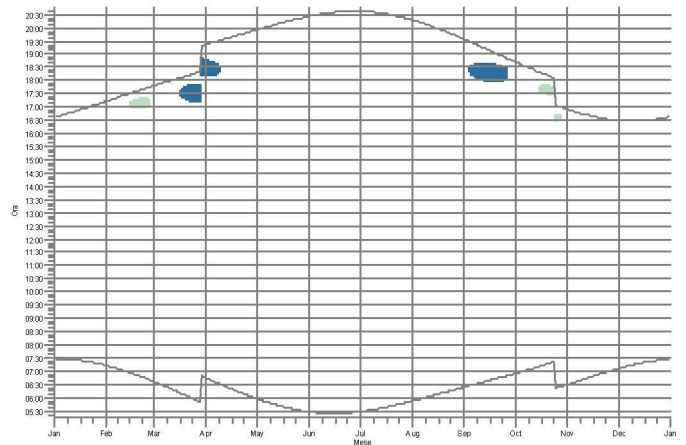
R16: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (91)



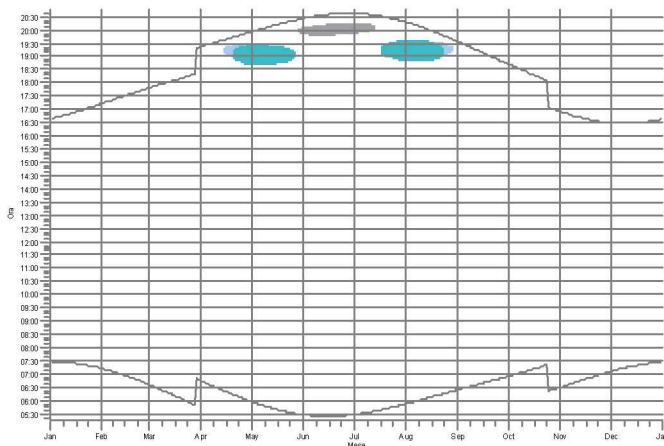
R17: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (92)



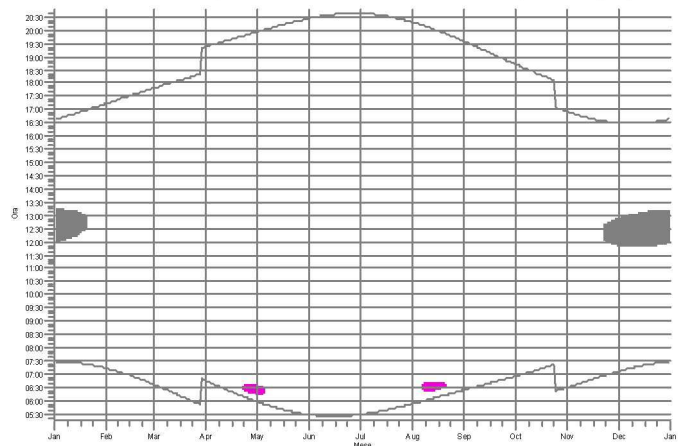
R18: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (93)



R19: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (94)



R2: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (77)



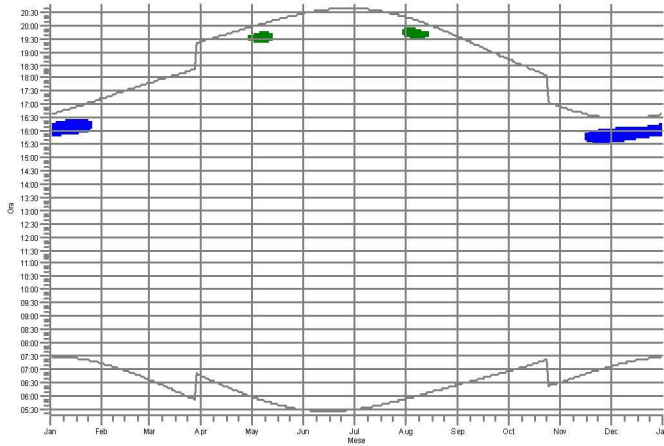
WTG

- | | | |
|--|--|--|
| 4: Siemens Gamesa SG 6.0-170 6000 170.0 IOI hub: 165.0 m (TOT: 250.0 m) (183) | 13: Siemens Gamesa SG 6.0-170 6000 170.0 IOI hub: 165.0 m (TOT: 250.0 m) (192) | 17: Siemens Gamesa SG 6.0-170 6000 170.0 IOI hub: 165.0 m (TOT: 250.0 m) (196) |
| 7: Siemens Gamesa SG 6.0-170 6000 170.0 IOI hub: 165.0 m (TOT: 250.0 m) (186) | 14: Siemens Gamesa SG 6.0-170 6000 170.0 IOI hub: 165.0 m (TOT: 250.0 m) (193) | 19: Siemens Gamesa SG 6.0-170 6000 170.0 IOI hub: 165.0 m (TOT: 250.0 m) (198) |
| 10: Siemens Gamesa SG 6.0-170 6000 170.0 IOI hub: 165.0 m (TOT: 250.0 m) (189) | 15: Siemens Gamesa SG 6.0-170 6000 170.0 IOI hub: 165.0 m (TOT: 250.0 m) (194) | 22: Siemens Gamesa SG 6.0-170 6000 170.0 IOI hub: 165.0 m (TOT: 250.0 m) (201) |
| 11: Siemens Gamesa SG 6.0-170 6000 170.0 IOI hub: 165.0 m (TOT: 250.0 m) (190) | 16: Siemens Gamesa SG 6.0-170 6000 170.0 IOI hub: 165.0 m (TOT: 250.0 m) (195) | 24: Siemens Gamesa SG 6.0-170 6000 170.0 IOI hub: 165.0 m (TOT: 250.0 m) (203) |

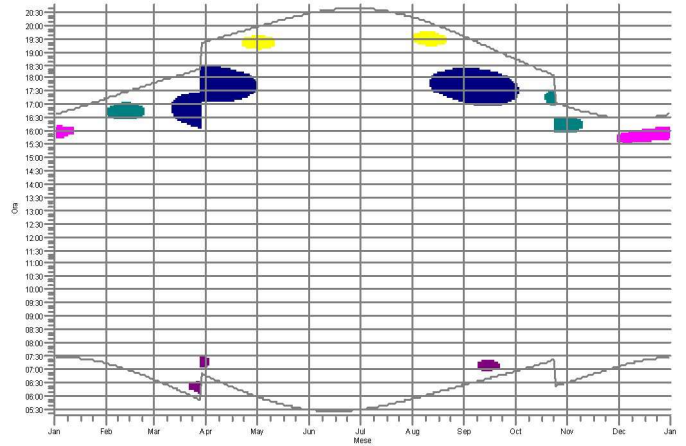
SHADOW - Calendario, grafico

Calcolo: Shadow Flickering Analysis

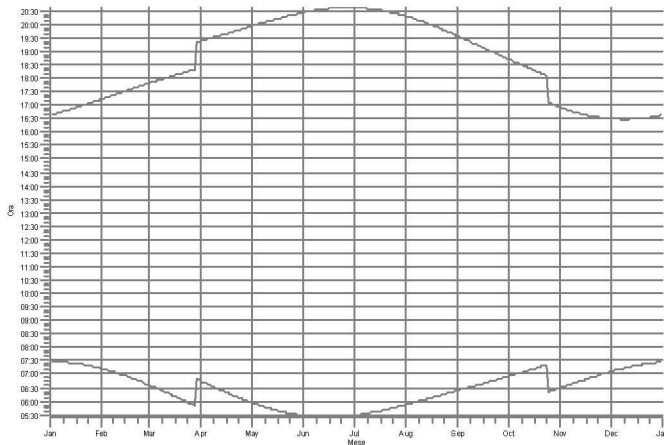
R3: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (78)



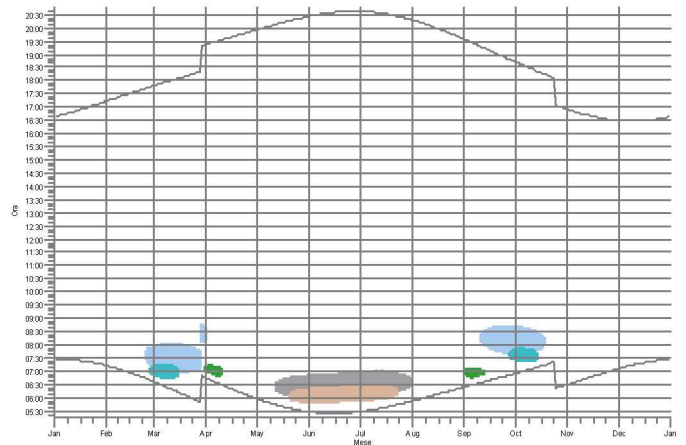
R4: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (79)



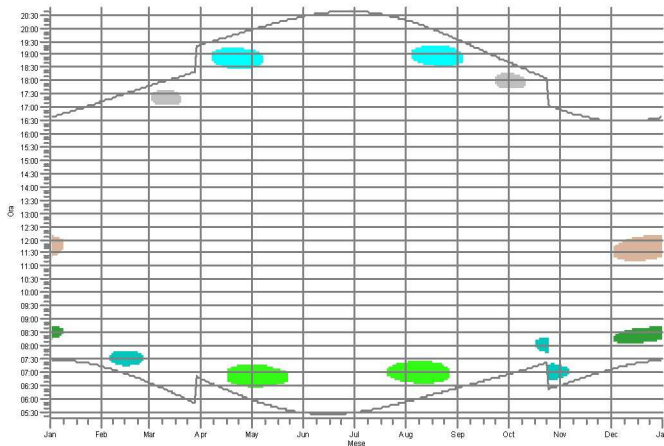
R5: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 90.0° (80)



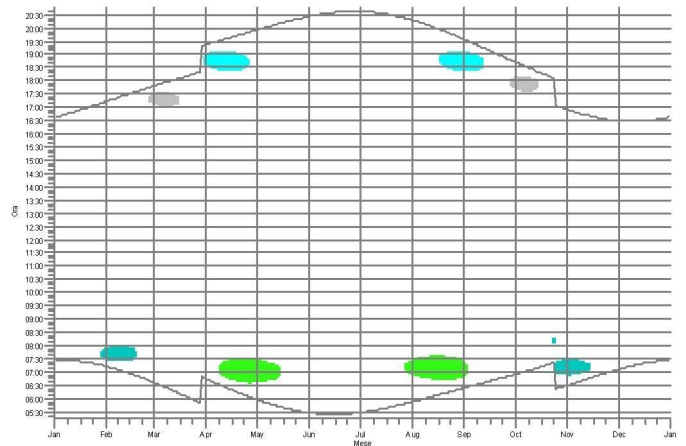
R6: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (81)



R7: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (82)



R8: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (83)



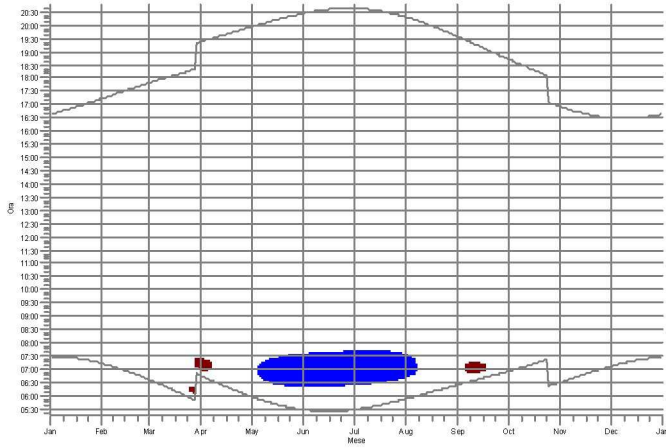
WTG

- | | | |
|---|--|--|
| 1: Siemens Gamesa SG 6.0-170 6000 170.0 IOI hub: 165.0 m (TOT: 250.0 m) (180) | 11: Siemens Gamesa SG 6.0-170 6000 170.0 IOI hub: 165.0 m (TOT: 250.0 m) (190) | 18: Siemens Gamesa SG 6.0-170 6000 170.0 IOI hub: 165.0 m (TOT: 250.0 m) (197) |
| 2: Siemens Gamesa SG 6.0-170 6000 170.0 IOI hub: 165.0 m (TOT: 250.0 m) (181) | 12: Siemens Gamesa SG 6.0-170 6000 170.0 IOI hub: 165.0 m (TOT: 250.0 m) (191) | 19: Siemens Gamesa SG 6.0-170 6000 170.0 IOI hub: 165.0 m (TOT: 250.0 m) (198) |
| 3: Siemens Gamesa SG 6.0-170 6000 170.0 IOI hub: 165.0 m (TOT: 250.0 m) (182) | 13: Siemens Gamesa SG 6.0-170 6000 170.0 IOI hub: 165.0 m (TOT: 250.0 m) (192) | 20: Siemens Gamesa SG 6.0-170 6000 170.0 IOI hub: 165.0 m (TOT: 250.0 m) (199) |
| 4: Siemens Gamesa SG 6.0-170 6000 170.0 IOI hub: 165.0 m (TOT: 250.0 m) (184) | 15: Siemens Gamesa SG 6.0-170 6000 170.0 IOI hub: 165.0 m (TOT: 250.0 m) (194) | 21: Siemens Gamesa SG 6.0-170 6000 170.0 IOI hub: 165.0 m (TOT: 250.0 m) (200) |
| 5: Siemens Gamesa SG 6.0-170 6000 170.0 IOI hub: 165.0 m (TOT: 250.0 m) (185) | 16: Siemens Gamesa SG 6.0-170 6000 170.0 IOI hub: 165.0 m (TOT: 250.0 m) (195) | |
| 6: Siemens Gamesa SG 6.0-170 6000 170.0 IOI hub: 165.0 m (TOT: 250.0 m) (186) | 17: Siemens Gamesa SG 6.0-170 6000 170.0 IOI hub: 165.0 m (TOT: 250.0 m) (196) | |
| 7: Siemens Gamesa SG 6.0-170 6000 170.0 IOI hub: 165.0 m (TOT: 250.0 m) (187) | | |

SHADOW - Calendario, grafico

Calcolo: Shadow Flickering Analysis

R9: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (84)



WTG

3: Siemens Gamesa SG 6.0-170 6000 170.0 IOI hub: 165.0 m (TOT: 250.0 m) (182)

8: Siemens Gamesa SG 6.0-170 6000 170.0 IOI hub: 165.0 m (TOT: 250.0 m) (187)

SHADOW - Calendario per WTG

Calcolo: Shadow Flickering Analysis WTG: 1 - Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0 m) (180)
Assunzioni sui calcoli d'ombra

Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
 4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
 437 192 40 16 67 346 208 192 120 99 425 524 2,665
 : Soglia di cut-in dalla curva di potenza

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	07:26	07:12	06:35	06:44	05:57 19:26-19:32/6	05:28	05:28	05:52 19:38-19:48/10	06:24	06:55	06:30	07:05
	16:39	17:14	17:48	19:23	19:56	20:26	20:37	20:18	19:34	18:42	16:55	16:30
2	07:26	07:11	06:34	06:42	05:56 19:26-19:34/8	05:27	05:28	05:53 19:36-19:48/12	06:25	06:56	06:31	07:06
	16:40	17:15	17:50	19:24	19:57	20:27	20:37	20:17	19:32	18:41	16:54	16:30
3	07:26	07:10	06:32	06:40	05:54 19:25-19:35/10	05:27	05:29	05:54 19:35-19:49/14	06:26	06:57	06:32	07:07
	16:40	17:16	17:51	19:26	19:58	20:28	20:37	20:16	19:31	18:39	16:52	16:29
4	07:26	07:09	06:31	06:39	05:53 19:25-19:36/11	05:26	05:29	05:55 19:34-19:50/16	06:27	06:58	06:33	07:08
	16:41	17:17	17:52	19:27	19:59	20:28	20:37	20:14	19:29	18:37	16:51	16:29
5	07:26	07:08	06:29	06:37	05:52 19:24-19:36/12	05:26	05:30	05:56 19:34-19:49/15	06:28	06:59	06:35	07:09
	16:42	17:19	17:53	19:28	20:00	20:29	20:37	20:13	19:27	18:36	16:50	16:29
6	07:26	07:07	06:27	06:35	05:51 19:24-19:37/13	05:25	05:31	05:57 19:33-19:48/15	06:29	07:00	06:36	07:10
	16:43	17:20	17:54	19:29	20:01	20:30	20:36	20:12	19:26	18:34	16:49	16:29
7	07:26	07:06	06:26	06:34	05:49 19:24-19:39/15	05:25	05:31	05:58 19:33-19:47/14	06:30	07:01	06:37	07:11
	16:44	17:21	17:55	19:30	20:02	20:30	20:36	20:11	19:24	18:32	16:48	16:29
8	07:26	07:05	06:24	06:32	05:48 19:24-19:40/16	05:25	05:32	05:59 19:33-19:46/13	06:31	07:02	06:38	07:12
	16:45	17:22	17:57	19:31	20:04	20:31	20:36	20:09	19:22	18:31	16:47	16:29
9	07:26	07:03	06:23	06:30	05:47 19:25-19:40/15	05:25	05:33	06:00 19:33-19:44/11	06:32	07:03	06:40	07:13
	16:46	17:24	17:58	19:32	20:05	20:32	20:35	20:08	19:20	18:29	16:46	16:29
10	07:26	07:02	06:21	06:29	05:46 19:25-19:39/14	05:24	05:33	06:01 19:34-19:43/9	06:33	07:04	06:41	07:14
	16:47	17:25	17:59	19:33	20:06	20:32	20:35	20:07	19:19	18:27	16:44	16:29
11	07:25	07:01	06:19	06:27	05:45 19:26-19:38/12	05:24	05:34	06:02 19:34-19:42/8	06:34	07:06	06:42	07:15
	16:48	17:26	18:00	19:34	20:07	20:33	20:34	20:06	19:17	18:26	16:43	16:29
12	07:25	07:00	06:18	06:25	05:44 19:28-19:37/9	05:24	05:35	06:03 19:35-19:41/6	06:35	07:07	06:43	07:16
	16:49	17:28	18:01	19:35	20:08	20:33	20:34	20:04	19:15	18:24	16:42	16:29
13	07:25	06:58	06:16	06:24	05:43 19:30-19:35/5	05:24	05:35	06:04 19:37-19:39/2	06:36	07:08	06:44	07:17
	16:50	17:29	18:02	19:36	20:09	20:34	20:33	20:03	19:14	18:23	16:41	16:29
14	07:24	06:57	06:14	06:22	05:41	05:24	05:36	06:05	06:37	07:09	06:46	07:17
	16:52	17:30	18:03	19:38	20:10	20:34	20:33	20:01	19:12	18:21	16:41	16:29
15	07:24	06:56	06:13	06:21	05:40	05:24	05:37	06:06	06:38	07:10	06:47	07:18
	16:53	17:31	18:05	19:39	20:11	20:35	20:32	20:00	19:10	18:19	16:40	16:29
16	07:24	06:54	06:11	06:19	05:39	05:24	05:38	06:07	06:39	07:11	06:48	07:19
	16:54	17:33	18:06	19:40	20:12	20:35	20:32	19:59	19:08	18:18	16:39	16:29
17	07:23	06:53	06:09	06:18	05:38	05:24	05:39	06:08	06:40	07:12	06:49	07:20
	16:55	17:34	18:07	19:41	20:13	20:35	20:31	19:57	19:07	18:16	16:38	16:30
18	07:23	06:52	06:07	06:16	05:38	05:24	05:39	06:10	06:41	07:13	06:50	07:20
	16:56	17:35	18:08	19:42	20:14	20:36	20:30	19:56	19:05	18:15	16:37	16:30
19	07:22	06:50	06:06	06:14	05:37	05:24	05:40	06:11	06:42	07:14	06:52	07:21
	16:57	17:36	18:09	19:43	20:15	20:36	20:30	19:54	19:03	18:13	16:36	16:30
20	07:22	06:49	06:04	06:13	05:36	05:24	05:41	06:12	06:43	07:16	06:53	07:21
	16:59	17:37	18:10	19:44	20:16	20:36	20:29	19:53	19:01	18:12	16:36	16:31
21	07:21	06:47	06:02	06:11	05:35	05:24	05:42	06:13	06:44	07:17	06:54	07:22
	17:00	17:39	18:11	19:45	20:17	20:37	20:28	19:51	19:00	18:10	16:35	16:31
22	07:20	06:46	06:01	06:10	05:34	05:25	05:43	06:14	06:45	07:18	06:55	07:23
	17:01	17:40	18:12	19:46	20:18	20:37	20:27	19:50	18:58	18:09	16:34	16:32
23	07:20	06:44	05:59	06:08	05:33	05:25	05:44	06:15	06:46	07:19	06:56	07:23
	17:02	17:41	18:13	19:47	20:19	20:37	20:27	19:48	18:56	18:07	16:34	16:32
24	07:19	06:43	05:57	06:07	05:33	05:25	05:45	06:16	06:47	07:20	06:58	07:24
	17:03	17:42	18:15	19:48	20:19	20:37	20:26	19:47	18:54	18:06	16:33	16:33
25	07:18	06:41	05:56	06:05	05:32	05:25	05:46	06:17	06:48	06:21	06:59	07:24
	17:05	17:44	18:16	19:49	20:20	20:37	20:25	19:45	18:53	17:04	16:32	16:33
26	07:17	06:40	05:54	06:04	05:31	05:26	05:46	06:18	06:49	06:23	07:00	07:24
	17:06	17:45	18:17	19:51	20:21	20:37	20:24	19:44	18:51	17:03	16:32	16:34
27	07:17	06:38	05:52	06:03	05:30	05:26	05:47	06:19	06:51	06:24	07:01	07:25
	17:07	17:46	18:18	19:52	20:22	20:37	20:23	19:42	18:49	17:02	16:31	16:35
28	07:16	06:37	05:50	06:01	05:30	05:27	05:48	06:20	06:52	06:25	07:02	07:25
	17:08	17:47	18:19	19:53	20:23	20:37	20:22	19:40	18:48	17:00	16:31	16:35
29	07:15		06:49	06:00	05:29	05:27	05:49	06:21	06:53	06:26	07:03	07:25
	17:10		19:20	19:54	20:24	20:37	20:21	19:39	18:46	16:59	16:31	16:36
30	07:14		06:47	05:58 19:29-19:32/3	05:29	05:27	05:50	06:22	06:54	06:27	07:04	07:26
	17:11		19:21	19:55	20:25	20:37	20:20	19:37	18:44	16:57	16:30	16:37
31	07:13		06:45		05:28		05:51 19:39-19:47/8	06:23		06:29		07:26
	17:12		19:22		20:25		20:19	19:35		16:56		16:38
Ore potenziali eliofania	296	296	369	399	450	454	461	429	375	345	297	286
Somma minuti d'ombra	0	0	0	3	146	0	8	145	0	0	0	0

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
 Tramonto (hh:mm)Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra



SHADOW - Calendario per WTG

Calcolo: Shadow Flickering Analysis **WTG: 2 - Siemens Gamesa SG 6.0-170 6000 170.0 !O!** hub: 165.0 m (TOT: 250.0 m) (181)
Assunzioni sui calcoli d'ombra Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
437 192 40 16 67 346 208 192 120 99 425 524 2,665

: Soglia di cut-in dalla curva di potenza

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno
1	07:26 16:39	07:12 17:14	06:35 17:06-17:26/20 17:48	06:44 19:23	05:57 19:09-19:32/23 19:56	05:28 20:26
2	07:26 16:40	07:11 17:15	06:34 17:06-17:28/22 17:50	06:42 19:24	05:56 19:08-19:31/23 19:57	05:27 20:27
3	07:26 16:41	07:10 17:16	06:32 17:06-17:28/22 17:51	06:40 19:25	05:54 19:09-19:31/22 19:58	05:27 20:28
4	07:26 16:41	07:09 17:17	06:31 17:06-17:28/22 17:52	06:39 19:27	05:53 19:09-19:31/22 19:59	05:26 20:28
5	07:26 16:42	07:08 17:19	06:29 17:06-17:27/21 17:53	06:37 19:28	05:52 19:10-19:31/21 20:00	05:26 20:29
6	07:26 16:43	07:07 17:20	06:27 17:07-17:25/18 17:54	06:35 19:29	05:51 19:09-19:29/20 20:01	05:26 20:30
7	07:26 16:44	07:06 17:21	06:26 17:08-17:25/17 17:55	06:34 19:30	05:49 19:10-19:29/19 20:02	05:25 20:30
8	07:26 16:45	07:04 17:22	06:24 17:10-17:22/12 17:57	06:32 19:31	05:48 19:11-19:28/17 20:03	05:25 20:31
9	07:26 16:46	07:03 17:24	06:23 17:12-17:18/6 17:58	06:30 19:32	05:47 19:13-19:26/13 20:05	05:25 20:32
10	07:26 16:47	07:02 17:25	06:21 17:59	06:29 19:33	05:46 19:15-19:24/9 20:06	05:25 20:32
11	07:25 16:48	07:01 17:26	06:19 18:00	06:27 19:34	05:45 20:07	05:24 20:33
12	07:25 16:49	07:00 17:28	06:18 18:01	06:25 19:35	05:44 20:08	05:24 20:33
13	07:25 16:51	06:58 17:29	06:16 18:02	06:24 19:36	05:43 20:09	05:24 20:34
14	07:24 16:52	06:57 17:30	06:14 18:03	06:22 19:37	05:42 20:10	05:24 20:34
15	07:24 16:53	06:56 17:31	06:13 18:05	06:21 19:39	05:41 20:11	05:24 20:35
16	07:24 16:54	06:54 17:33	06:11 18:06	06:19 19:40	05:40 20:12	05:24 20:35
17	07:23 16:55	06:53 17:34	06:09 18:07	06:18 19:41	05:39 20:13	05:24 20:35
18	07:23 16:56	06:52 17:35	06:07 18:08	06:16 19:42	05:38 20:14	05:24 20:36
19	07:22 16:57	06:50 17:36	06:06 18:09	06:14 19:43	05:37 20:15	05:24 20:36
20	07:21 16:59	06:49 17:38	06:04 18:10	06:13 19:44	05:36 20:16	05:24 20:36
21	07:21 17:00	06:47 17:39	06:02 18:11	06:11 19:45	05:35 20:17	05:25 20:37
22	07:20 17:01	06:46 17:40	06:01 18:12	06:10 19:46	05:34 20:18	05:25 20:37
23	07:20 17:02	06:44 17:14-17:19/5 17:41	05:59 18:13	06:08 19:16-19:24/8 19:47	05:33 20:18	05:25 20:37
24	07:19 17:04	06:43 17:11-17:20/9 17:42	05:57 18:15	06:07 19:14-19:26/12 19:48	05:33 20:19	05:25 20:37
25	07:18 17:05	06:41 17:10-17:22/12 17:44	05:56 18:16	06:05 19:13-19:27/14 19:49	05:32 20:20	05:26 20:37
26	07:17 17:06	06:40 17:08-17:23/15 17:45	05:54 18:17	06:04 19:11-19:28/17 19:51	05:31 20:21	05:26 20:37
27	07:17 17:07	06:38 17:08-17:25/17 17:46	05:52 18:18	06:03 19:11-19:29/18 19:52	05:30 20:22	05:26 20:37
28	07:16 17:09	06:37 17:07-17:25/18 17:47	05:50 18:19	06:01 09:09-19:29/20 19:53	05:30 20:23	05:27 20:37
29	07:15 17:10		06:49 19:20	06:00 09:09-19:31/22 19:54	05:29 20:24	05:27 20:37
30	07:14 17:11		06:47 19:21	05:58 09:09-19:32/23 19:55	05:29 20:25	05:27 20:37
31	07:13 17:12		06:45 19:22		05:28 20:25	
Ore potenziali eliofania	296	296	369	399	450	454
Somma minuti d'ombra	0	76	160	134	189	0

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Shadow Flickering Analysis **WTG: 2 - Siemens Gamesa SG 6.0-170 6000 170.0 !O!** hub: 165.0 m (TOT: 250.0 m) (181)
 Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
 4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
 437 192 40 16 67 346 208 192 120 99 425 524 2,665

: Soglia di cut-in dalla curva di potenza

	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	05:28 20:37	05:52 20:18	06:24 19:34	06:55 18:42	06:30 16:55	07:05 16:30
2	05:28 20:37	05:53 20:17	19:27-19:33/6 19:32	06:25 18:41	06:31 16:54	07:06 16:30
3	05:29 20:37	05:54 20:15	19:25-19:36/11 19:31	06:26 18:39	06:32 16:52	07:07 16:29
4	05:30 20:37	05:55 20:14	19:22-19:36/14 19:29	06:27 18:37	06:33 16:51	07:08 16:29
5	05:30 20:36	05:56 20:13	19:21-19:38/17 19:27	06:28 18:36	17:48-17:58/10 06:35	07:09 16:29
6	05:31 20:36	05:57 20:12	19:20-19:38/18 19:26	06:29 18:34	17:45-17:59/14 06:36	07:10 16:29
7	05:31 20:36	05:58 20:11	19:19-19:39/20 19:24	06:30 18:32	07:01 17:43-18:01/18 06:37	07:11 16:29
8	05:32 20:36	05:59 20:09	19:18-19:40/22 19:22	06:31 18:31	07:02 17:42-18:02/20 06:38	07:12 16:29
9	05:33 20:35	06:00 20:08	19:18-19:40/22 19:20	06:32 18:29	07:03 17:41-18:03/22 06:40	07:13 16:29
10	05:33 20:35	06:01 20:07	19:17-19:40/23 19:19	06:33 18:27	07:04 17:40-18:03/23 06:41	07:14 16:29
11	05:34 20:34	06:02 20:06	19:17-19:40/23 19:17	06:34 18:26	07:06 17:40-18:02/22 06:42	07:15 16:29
12	05:35 20:34	06:03 20:04	19:17-19:40/23 19:15	06:35 18:24	07:07 17:39-18:01/22 06:43	07:16 16:29
13	05:35 20:33	06:04 20:03	19:17-19:39/22 19:14	06:36 18:23	07:08 17:39-17:59/20 06:44	07:17 16:29
14	05:36 20:33	06:05 20:01	19:17-19:38/21 19:12	06:37 18:21	07:09 17:39-17:57/18 06:46	07:17 16:29
15	05:37 20:32	06:06 20:00	19:17-19:37/20 19:10	06:38 18:19	07:10 17:40-17:57/17 06:47	07:18 16:29
16	05:38 20:32	06:08 19:59	19:18-19:35/17 19:08	06:39 18:18	07:11 17:41-17:55/14 06:48	07:19 16:30
17	05:39 20:31	06:09 19:57	19:18-19:34/16 19:07	06:40 18:16	07:12 17:42-17:53/11 06:49	07:20 16:30
18	05:39 20:30	06:10 19:56	19:19-19:33/14 19:05	06:41 18:15	07:13 17:43-17:51/8 06:50	07:20 16:30
19	05:40 20:30	06:11 19:54	19:21-19:31/10 19:03	06:42 18:13	07:14 17:46-17:49/3 06:52	07:21 16:31
20	05:41 20:29	06:12 19:53	19:23-19:30/7 19:01	06:43 18:12	07:16 06:53	07:21 16:31
21	05:42 20:28	06:13 19:51	06:44 19:00	07:17 18:10	06:54 16:35	07:22 16:31
22	05:43 20:27	06:14 19:50	06:45 18:58	07:18 18:09	06:55 16:34	07:22 16:32
23	05:44 20:26	06:15 19:48	06:46 18:56	07:19 18:07	06:56 16:34	07:23 16:32
24	05:45 20:26	06:16 19:47	06:47 18:54	07:20 18:06	06:58 16:33	07:23 16:33
25	05:46 20:25	06:17 19:45	06:48 18:53	06:21 17:04	06:59 16:33	07:24 16:34
26	05:47 20:24	06:18 19:44	06:49 18:51	06:23 17:03	07:00 16:32	07:24 16:34
27	05:48 20:23	06:19 19:42	06:51 18:49	06:24 17:02	07:01 16:32	07:25 16:35
28	05:48 20:22	06:20 19:40	06:52 18:48	06:25 17:00	07:02 16:31	07:25 16:35
29	05:49 20:21	06:21 19:39	06:53 18:46	06:26 16:59	07:03 16:31	07:25 16:36
30	05:50 20:20	06:22 19:37	06:54 18:44	06:27 16:58	07:04 16:30	07:25 16:37
31	05:51 20:19	06:23 19:35	06:29 16:56	06:29 16:56	07:26 16:38	07:26 16:38
Ore potenziali eliofania	461	429	375	345	297	286
Somma minuti d'ombra	0	326	0	242	0	0

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
 Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Shadow Flickering Analysis **WTG: 3 - Siemens Gamesa SG 6.0-170 6000 170.0 !O!** hub: 165.0 m (TOT: 250.0 m) (182)
Assunzioni sui calcoli d'ombra Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
437 192 40 16 67 346 208 192 120 99 425 524 2,665

: Soglia di cut-in dalla curva di potenza

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno
1	07:26 15:52-16:13/21 16:39 13:08-14:09/61	07:12 06:35 17:13 17:48		06:44 07:30-08:23/53 19:23	05:57 19:56	05:28 06:23-07:30/67 20:26
2	07:26 15:53-16:14/21 16:40 13:08-14:09/61	07:11 06:34 17:15 17:50		06:42 07:31-08:23/52 19:24	05:56 19:57	05:27 06:23-07:31/68 20:27
3	07:26 15:53-16:14/21 16:40 13:09-14:09/60	07:10 06:32 17:16 17:51		06:40 07:30-08:22/52 19:25	05:54 19:58	05:27 06:23-07:31/68 20:28
4	07:26 15:53-16:15/22 16:41 13:10-14:09/59	07:09 06:31 17:17 17:52		06:39 07:30-08:21/51 19:27	05:53 19:59	05:26 06:23-07:31/68 20:28
5	07:26 15:54-16:16/22 16:42 13:11-14:09/58	07:08 06:29 17:19 17:53		06:37 07:31-08:20/49 19:28	05:52 20:00	05:26 06:23-07:32/69 20:29
6	07:26 15:53-16:17/24 16:43 13:11-14:08/57	07:07 06:27 17:20 17:54		06:35 07:31-08:19/48 19:29	05:51 06:49-07:03/14 20:01	05:25 06:24-07:32/68 20:30
7	07:26 15:53-16:18/25 16:44 13:13-14:08/55	07:06 06:26 17:21 17:55		06:34 07:31-08:18/47 19:30	05:49 06:45-07:08/23 20:02	05:25 06:23-07:32/69 20:30
8	07:26 15:54-16:18/24 16:45 13:14-14:08/54	07:04 06:24 17:22 17:57		06:32 07:32-08:17/45 19:31	05:48 06:42-07:11/29 20:03	05:25 06:23-07:32/69 20:31
9	07:26 15:55-16:19/24 16:46 13:15-14:09/54	07:03 06:22 17:24 17:58		06:30 07:32-08:16/44 19:32	05:47 06:39-07:13/34 20:04	05:25 06:24-07:33/69 20:32
10	07:26 15:54-16:19/25 16:47 13:17-14:09/52	07:02 06:21 17:25 17:59		06:29 07:32-08:14/42 19:33	05:46 06:38-07:15/37 20:06	05:24 06:24-07:33/69 20:32
11	07:25 15:55-16:20/25 16:48 13:17-14:08/51	07:01 06:19 17:26 18:00		06:27 07:34-08:13/39 19:34	05:45 06:36-07:17/41 20:07	05:24 06:24-07:33/69 20:33
12	07:25 15:56-16:20/24 16:49 13:19-14:08/49	07:00 06:18 17:27 18:01		06:25 07:34-08:11/37 19:35	05:44 06:34-07:18/44 20:08	05:24 06:24-07:34/70 20:33
13	07:25 15:55-16:20/25 16:50 13:20-14:06/46	06:58 06:16 17:29 18:02		06:24 07:36-08:09/33 19:36	05:43 06:33-07:19/46 20:09	05:24 06:25-07:34/69 20:34
14	07:24 15:56-16:21/25 16:52 13:22-14:06/44	06:57 06:14 06:58-07:08/10 17:30 18:03		06:22 07:37-08:07/30 19:37	05:41 06:32-07:20/48 20:10	05:24 06:24-07:33/69 20:34
15	07:24 15:56-16:21/25 16:53 13:24-14:06/42	06:56 06:13 06:52-07:12/20 17:31 18:05		06:21 07:39-08:04/25 19:39	05:40 06:31-07:21/50 20:11	05:24 06:25-07:35/70 20:35
16	07:24 15:57-16:21/24 16:54 13:26-14:04/38	06:54 06:11 06:49-07:16/27 17:33 18:06		06:19 07:42-08:01/19 19:40	05:39 06:30-07:22/52 20:12	05:24 06:25-07:35/70 20:35
17	07:23 15:57-16:21/24 16:55 13:28-14:03/35	06:53 06:09 06:46-07:18/32 17:34 18:07		06:17 07:46-07:55/9 19:41	05:38 06:29-07:23/54 20:13	05:24 06:25-07:35/70 20:35
18	07:23 15:59-16:21/22 16:56 13:31-14:02/31	06:52 06:07 06:44-07:19/35 17:35 18:08		06:16 19:42	05:38 06:28-07:24/56 20:14	05:24 06:25-07:35/70 20:36
19	07:22 15:59-16:21/22 16:57 13:33-14:00/27	06:50 06:06 06:42-07:21/39 17:36 18:09		06:14 19:43	05:37 06:27-07:24/57 20:15	05:24 06:25-07:35/70 20:36
20	07:21 16:01-16:21/20 16:59 13:37-13:58/21	06:49 06:04 06:40-07:22/42 17:37 18:10		06:13 19:44	05:36 06:27-07:26/59 20:16	05:24 06:25-07:35/70 20:36
21	07:21 16:01-16:21/20 17:00 13:43-13:53/10	06:47 06:02 06:39-07:22/43 17:39 18:11		06:11 19:45	05:35 06:26-07:26/60 20:17	05:24 06:25-07:35/70 20:37
22	07:20 16:02-16:20/18 17:01	06:46 06:01 06:37-07:23/46 17:40 18:12		06:10 19:46	05:34 06:26-07:26/60 20:18	05:25 06:25-07:35/70 20:37
23	07:20 16:03-16:19/16 17:02	06:44 05:59 06:36-07:24/48 17:41 18:13		06:08 19:47	05:33 06:25-07:27/62 20:18	05:25 06:26-07:36/70 20:37
24	07:19 16:06-16:19/13 17:03	06:43 05:57 06:35-07:24/49 17:42 18:15		06:07 19:48	05:33 06:25-07:28/63 20:19	05:25 06:26-07:36/70 20:37
25	07:18 16:08-16:17/9 17:05	06:41 05:56 06:34-07:24/50 17:44 18:16		06:05 19:49	05:32 06:25-07:28/63 20:20	05:25 06:26-07:36/70 20:37
26	07:17 17:06	06:40 05:54 06:34-07:25/51 17:45 18:17		06:04 19:51	05:31 06:24-07:28/64 20:21	05:26 06:27-07:37/70 20:37
27	07:16 17:07	06:38 05:52 06:33-07:25/52 17:46 18:18		06:03 19:52	05:30 06:24-07:29/65 20:22	05:26 06:27-07:37/70 20:37
28	07:16 17:08	06:37 05:50 06:32-07:24/52 17:47 18:19		06:01 19:53	05:30 06:24-07:29/65 20:23	05:27 06:27-07:36/69 20:37
29	07:15 17:10	06:49 07:31-08:24/53 19:20		06:00 19:54	05:29 06:24-07:30/66 20:24	05:27 06:28-07:37/69 20:37
30	07:14 17:11	06:47 07:31-08:24/53 19:21		05:58 19:55	05:29 06:23-07:30/67 20:25	05:27 06:27-07:37/70 20:37
31	07:13 17:12	06:45 07:31-08:23/52 19:22			05:28 06:24-07:31/67 20:25	
Ore potenziali eliofania	296	296	369	399	450	454
Somma minuti d'ombra	1506	0	754	675	1346	2079

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
Tramonto (hh:mm)Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Shadow Flickering Analysis **WTG: 3 - Siemens Gamesa SG 6.0-170 6000 170.0 IO!** hub: 165.0 m (TOT: 250.0 m) (182)
Assunzioni sui calcoli d'ombra Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
437 192 40 16 67 346 208 192 120 99 425 524 2,665
: Soglia di cut-in dalla curva di potenza

	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	05:28 06:28-07:38/70 20:37	05:52 06:46-07:28/42 20:18	06:24 07:33-08:12/39 19:34	06:55 06:30 18:42 16:55	06:30 16:55	07:05 15:37-16:02/25 16:30 13:00-13:50/50
2	05:28 06:28-07:37/69 20:37	05:53 06:47-07:27/40 20:17	06:25 07:31-08:13/42 19:32	06:56 06:31 18:41 16:54	06:31 16:54	07:06 15:37-16:02/25 16:30 12:59-13:51/52
3	05:29 06:29-07:38/69 20:37	05:54 06:49-07:25/36 20:15	06:26 07:30-08:14/44 19:30	06:57 06:32 18:39 16:52	06:32 16:52	07:07 15:38-16:02/24 16:29 12:58-13:52/54
4	05:29 06:28-07:38/70 20:37	05:55 06:51-07:23/32 20:14	06:27 07:29-08:14/45 19:29	06:58 06:33 18:37 16:51	06:33 16:51	07:08 15:38-16:02/24 16:29 12:58-13:52/54
5	05:30 06:29-07:38/69 20:36	05:56 06:52-07:19/27 20:13	06:28 07:28-08:15/47 19:27	06:59 06:35 18:36 16:50	06:35 16:50	07:09 15:39-16:03/24 16:29 12:58-13:53/55
6	05:31 06:30-07:39/69 20:36	05:57 06:56-07:16/20 20:12	06:29 07:27-08:15/48 19:25	07:00 06:36 18:34 16:49	06:36 16:49	07:10 15:39-16:03/24 16:29 12:57-13:54/57
7	05:31 06:30-07:38/68 20:36	05:58 07:01-07:10/9 20:11	06:30 07:26-08:16/50 19:24	07:01 06:37 18:32 16:48	06:37 16:48	07:11 15:40-16:03/23 16:29 12:57-13:55/58
8	05:32 06:30-07:39/69 20:36	05:59 20:09	06:31 07:25-08:16/51 19:22	07:02 06:38 18:31 16:47	06:38 16:47	07:12 15:40-16:03/23 16:29 12:57-13:56/59
9	05:33 06:30-07:38/68 20:35	06:00 20:08	06:32 07:24-08:16/52 19:20	07:03 06:39 18:29 16:46	06:39 16:46	07:13 15:41-16:03/22 16:29 12:57-13:57/60
10	05:33 06:31-07:38/67 20:35	06:01 20:07	06:33 07:24-08:16/52 19:19	07:04 06:41 18:27 16:44	06:41 16:44	07:14 15:42-16:03/21 16:29 12:58-13:58/60
11	05:34 06:31-07:39/68 20:34	06:02 20:05	06:34 07:23-08:16/53 19:17	07:05 06:42 18:26 16:43	06:42 16:43	07:15 15:43-16:03/20 16:29 12:58-13:59/61
12	05:35 06:32-07:39/67 20:34	06:03 20:04	06:35 07:23-08:16/53 19:15	07:07 06:43 18:24 16:42	06:43 16:42	07:16 15:43-16:03/20 16:29 12:58-13:59/61
13	05:35 06:32-07:38/66 20:33	06:04 20:03	06:36 07:22-08:15/53 19:13	07:08 06:44 18:22 16:41	06:44 16:41	07:17 15:43-16:02/19 16:29 12:58-14:00/62
14	05:36 06:32-07:38/66 20:33	06:05 20:01	06:37 07:22-08:15/53 19:12	07:09 06:46 18:21 16:41	06:46 16:41	07:17 15:44-16:03/19 16:29 12:58-14:00/62
15	05:37 06:33-07:38/65 20:32	06:06 20:00	06:38 07:22-08:15/53 19:10	07:10 06:47 18:19 16:40	06:47 16:40	07:18 15:45-16:03/18 16:29 12:58-14:01/63
16	05:38 06:33-07:38/65 20:32	06:07 19:59	06:39 07:22-08:14/52 19:08	07:11 06:48 18:18 16:39	06:48 16:39	07:19 15:46-16:04/18 16:29 12:59-14:02/63
17	05:39 06:33-07:38/65 20:31	06:08 19:57	06:40 07:22-08:13/51 19:07	07:12 06:49 18:16 16:38	06:49 15:41-15:50/9 16:38	07:19 15:46-16:03/17 16:30 12:59-14:02/63
18	05:39 06:34-07:37/63 20:30	06:09 19:56	06:41 07:22-08:13/51 19:05	07:13 06:50 18:15 16:37	06:50 15:40-15:53/13 16:37	07:20 15:47-16:04/17 16:30 12:59-14:03/64
19	05:40 06:34-07:37/63 20:30	06:11 19:54	06:42 07:22-08:12/50 19:03	07:14 06:52 18:13 16:36	06:52 15:38-15:54/16 16:36	07:21 15:48-16:05/17 16:30 13:00-14:04/64
20	05:41 06:35-07:37/62 20:29	06:12 19:53	06:43 07:23-08:11/48 19:01	07:16 06:53 18:12 16:36	06:53 15:37-15:55/18 16:36	07:21 15:48-16:05/17 16:31 13:00-14:04/64
21	05:42 06:36-07:37/61 20:28	06:13 19:51	06:44 07:23-08:09/46 19:00	07:17 06:54 18:10 16:35	06:54 15:36-15:56/20 13:18-13:28/10	07:22 15:49-16:05/16 16:31 13:01-14:05/64
22	05:43 06:37-07:37/60 20:27	06:14 19:50	06:45 07:24-08:08/44 18:58	07:18 06:55 18:09 16:34	06:55 15:37-15:57/20 13:14-13:34/20	07:22 15:49-16:05/16 16:32 13:01-14:05/64
23	05:44 06:36-07:35/59 20:26	06:15 19:48	06:46 07:24-08:07/43 18:56	07:19 06:56 18:07 16:34	06:56 15:36-15:58/22 13:10-13:37/27	07:23 15:49-16:06/17 16:32 13:02-14:06/64
24	05:45 06:37-07:35/58 20:26	06:16 19:47	06:47 07:25-08:05/40 18:54	07:20 06:57 18:06 16:33	06:57 15:36-15:58/22 13:08-13:39/31	07:23 15:50-16:07/17 16:33 13:02-14:06/64
25	05:46 06:38-07:35/57 20:25	06:17 19:45	06:48 07:26-08:03/37 18:53	06:21 06:59 17:04 16:32	06:59 15:36-15:59/23 13:06-13:41/35	07:24 15:50-16:07/17 16:33 13:02-14:06/64
26	05:46 06:39-07:34/55 20:24	06:18 19:43	06:49 07:28-08:01/33 18:51	06:23 06:23 17:03 16:32	07:00 15:35-15:59/24 13:04-13:42/38	07:24 15:51-16:08/17 16:34 13:03-14:07/64
27	05:47 06:40-07:33/53 20:23	06:19 19:42	06:50 07:30-07:58/28 18:49	06:24 06:24 17:01 16:31	07:01 15:36-16:01/25 13:03-13:45/42	07:25 15:51-16:09/18 16:35 13:04-14:07/63
28	05:48 06:41-07:33/52 20:22	06:20 19:40	06:52 07:32-07:55/23 18:48	06:25 06:25 17:00 16:31	07:02 15:36-16:01/25 13:02-13:46/44	07:25 15:51-16:09/18 16:35 13:04-14:07/63
29	05:49 06:42-07:32/50 20:21	06:21 19:39	06:53 07:36-07:51/15 18:46	06:26 06:26 16:59 16:31	07:03 15:36-16:01/25 13:01-13:47/46	07:25 15:51-16:10/19 16:36 13:05-14:07/62
30	05:50 06:43-07:31/48 20:20	06:22 19:37	06:54 18:44	06:27 06:27 16:57 16:30	07:04 15:37-16:01/24 13:00-13:49/49	07:25 15:51-16:10/19 16:37 13:05-14:07/62
31	05:51 06:44-07:29/45 20:19	06:23 19:35	07:34-08:11/37	06:29 06:29 16:56 16:30	06:29 16:30	07:26 15:52-16:12/20 16:38 13:07-14:08/61
Ore potenziali eliofania	461	429	375	345	297	286
Somma minuti d'ombra	1936	362	1296	0	628	2492

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Shadow Flickering Analysis **WTG: 4 - Siemens Gamesa SG 6.0-170 6000 170.0 IO!** hub: 165.0 m (TOT: 250.0 m) (183)
Assunzioni sui calcoli d'ombra Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
437 192 40 16 67 346 208 192 120 99 425 524 2,665

: Soglia di cut-in dalla curva di potenza

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno
1	07:26 12:02-13:10/68 16:39 14:11-15:19/68	07:12 14:34-15:19/45 17:13	06:35 17:48	06:44 19:23	05:57 19:56	05:27 05:49-06:08/19 20:26
2	07:26 12:03-13:10/67 16:39 14:11-15:19/68	07:11 14:35-15:18/43 17:15	06:34 17:49	06:42 19:24	05:56 19:57	05:27 05:49-06:09/20 20:27
3	07:26 12:04-13:10/66 16:40 14:12-15:20/68	07:10 14:38-15:16/38 17:16	06:32 17:51	06:40 19:25	05:54 19:58	05:26 05:48-06:09/21 20:28
4	07:26 12:05-13:10/65 16:41 14:12-15:20/68	07:09 14:40-15:15/35 17:17	06:30 17:52	06:39 19:26	05:53 19:59	05:26 05:48-06:09/21 20:28
5	07:26 12:06-13:10/64 16:42 14:13-15:21/68	07:08 14:43-15:13/30 17:18	06:29 17:53	06:37 19:28	05:52 20:00	05:26 05:48-06:10/22 20:29
6	07:26 12:06-13:09/63 16:43 14:12-15:20/68	07:07 14:46-15:11/25 17:20	06:27 17:54	06:35 19:29	05:50 20:01	05:25 05:47-06:09/22 20:30
7	07:26 12:08-13:09/61 16:44 14:13-15:21/68	07:06 14:49-15:06/17 17:21	06:26 17:55	06:34 19:30	05:49 20:02	05:25 05:47-06:10/23 20:30
8	07:26 12:09-13:09/60 16:45 14:14-15:21/67	07:04 17:22	06:24 17:56	06:32 19:31	05:48 20:03	05:25 05:47-06:10/23 20:31
9	07:26 12:11-13:08/57 16:46 14:14-15:22/68	07:03 17:24	06:22 17:58	06:30 19:32	05:47 20:04	05:25 05:48-06:11/23 20:32
10	07:25 12:11-13:07/56 16:47 14:14-15:22/68	07:02 17:25	06:21 17:59	06:29 19:33	05:46 20:05	05:24 05:48-06:11/23 20:32
11	07:25 12:13-13:07/54 16:48 14:15-15:22/67	07:01 17:26	06:19 18:00	06:27 19:34	05:45 20:07	05:24 05:48-06:11/23 20:33
12	07:25 12:15-13:07/52 16:49 14:16-15:23/67	06:59 17:27	06:17 18:01	06:25 19:35	05:44 20:08	05:24 05:49-06:12/23 20:33
13	07:25 12:16-13:05/49 16:50 14:16-15:23/67	06:58 17:29	06:16 18:02	06:24 19:36	05:42 20:09	05:24 05:48-06:11/23 20:34
14	07:24 12:19-13:05/46 16:51 14:17-15:23/66	06:57 17:30	06:14 18:03	06:22 19:37	05:41 20:10	05:24 05:48-06:11/23 20:34
15	07:24 12:20-13:03/43 16:53 14:17-15:23/66	06:56 17:31	06:12 18:04	06:21 19:38	05:40 20:11	05:24 05:48-06:11/23 20:35
16	07:23 12:23-13:02/39 16:54 14:18-15:24/66	06:54 17:32	06:11 18:06	06:19 19:40	05:39 20:12	05:24 05:48-06:12/24 20:35
17	07:23 12:26-13:00/34 16:55 14:18-15:23/65	06:53 17:34	06:09 18:07	06:17 19:41	05:38 20:13	05:24 05:50-06:13/23 20:35
18	07:23 12:30-12:58/28 16:56 14:19-15:24/65	06:52 17:35	06:07 18:08	06:16 19:42	05:37 20:14	05:24 05:50-06:13/23 20:36
19	07:22 12:34-12:54/20 16:57 14:20-15:24/64	06:50 17:36	06:06 18:09	06:14 19:43	05:37 20:15	05:24 05:50-06:13/23 20:36
20	07:21 14:21-15:24/63 16:58	06:49 17:37	06:04 18:10	06:13 19:44	05:36 20:16	05:24 05:50-06:13/23 20:36
21	07:21 14:22-15:24/62 17:00	06:47 17:39	06:02 18:11	06:11 19:45	05:35 20:17	05:24 05:50-06:13/23 20:36
22	07:20 14:22-15:24/62 17:01	06:46 17:40	06:01 18:12	06:10 19:46	05:34 05:55-05:58/3 20:17	05:25 05:50-06:13/23 20:37
23	07:19 14:23-15:23/60 17:02	06:44 17:41	05:59 18:13	06:08 19:47	05:33 05:54-06:01/7 20:18	05:25 05:51-06:14/23 20:37
24	07:19 14:24-15:24/60 17:03	06:43 17:42	05:57 18:14	06:07 19:48	05:32 05:54-06:03/9 20:19	05:25 05:51-06:14/23 20:37
25	07:18 14:25-15:23/58 17:05	06:41 17:43	05:55 18:16	06:05 19:49	05:32 05:53-06:04/11 20:20	05:25 05:51-06:14/23 20:37
26	07:17 14:26-15:23/57 17:06	06:40 17:45	05:54 18:17	06:04 19:50	05:31 05:52-06:05/13 20:21	05:26 05:51-06:15/24 20:37
27	07:16 14:27-15:22/55 17:07	06:38 17:46	05:52 18:18	06:02 19:52	05:30 05:52-06:06/14 20:22	05:26 05:51-06:14/23 20:37
28	07:16 14:28-15:22/54 17:08	06:37 17:47	05:50 18:19	06:01 19:53	05:30 05:51-06:06/15 20:23	05:26 05:51-06:14/23 20:37
29	07:15 14:29-15:21/52 17:10		06:49 19:20	06:00 19:54	05:29 05:51-06:07/16 20:24	05:27 05:52-06:15/23 20:37
30	07:14 14:31-15:20/49 17:11		06:47 19:21	05:58 19:55	05:28 05:50-06:07/17 20:24	05:27 05:52-06:15/23 20:37
31	07:13 14:32-15:20/48 17:12		06:45 19:22		05:28 05:50-06:08/18 20:25	
Ore potenziali eliofania	296	296	369	399	450	454
Somma minuti d'ombra	2944	233	0	0	123	679

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
Tramonto (hh:mm)Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Shadow Flickering Analysis **WTG: 4 - Siemens Gamesa SG 6.0-170 6000 170.0 !O!** hub: 165.0 m (TOT: 250.0 m) (183)
Assunzioni sui calcoli d'ombra Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
 4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
 437 192 40 16 67 346 208 192 120 99 425 524 2,665

: Soglia di cut-in dalla curva di potenza

	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	05:28 05:52-06:16/24 20:37	05:52 20:18	06:24 19:34	06:55 18:42	06:30 16:55	07:05 11:55-12:49/54 16:30 13:57-15:04/67
2	05:28 05:52-06:15/23 20:37	05:53 20:17	06:25 19:32	06:56 18:41	06:31 16:54	07:06 11:54-12:50/56 16:29 13:57-15:05/68
3	05:29 05:53-06:16/23 20:37	05:54 20:15	06:26 19:30	06:57 18:39	06:32 16:52	07:07 11:54-12:51/57 16:29 13:57-15:05/68
4	05:29 05:52-06:16/24 20:37	05:55 20:14	06:27 19:29	06:58 18:37	06:33 14:18-14:37/19 16:51	07:08 11:53-12:53/60 16:29 13:58-15:06/68
5	05:30 05:53-06:16/23 20:36	05:56 20:13	06:28 19:27	06:59 18:36	06:35 14:15-14:41/26 16:50	07:09 11:53-12:54/61 16:29 13:58-15:06/68
6	05:30 05:53-06:16/23 20:36	05:57 20:12	06:29 19:25	07:00 18:34	06:36 14:12-14:43/31 16:49	07:10 11:53-12:55/62 16:29 13:58-15:06/68
7	05:31 05:54-06:16/22 20:36	05:58 20:11	06:30 19:24	07:01 18:32	06:37 14:09-14:45/36 16:48	07:11 11:52-12:56/64 16:29 13:59-15:07/68
8	05:32 05:55-06:17/22 20:36	05:59 20:09	06:31 19:22	07:02 18:31	06:38 14:08-14:47/39 16:46	07:12 11:52-12:57/65 16:28 13:59-15:07/68
9	05:32 05:55-06:16/21 20:35	06:00 20:08	06:32 19:20	07:03 18:29	06:39 14:06-14:49/43 16:45	07:13 11:52-12:58/66 16:28 14:00-15:08/68
10	05:33 05:56-06:16/20 20:35	06:01 20:07	06:33 19:19	07:04 18:27	06:41 14:04-14:50/46 16:44	07:14 11:52-12:59/67 16:28 14:00-15:08/68
11	05:34 05:57-06:17/20 20:34	06:02 20:05	06:34 19:17	07:05 18:26	06:42 14:04-14:52/48 16:43	07:15 11:52-13:00/68 16:28 14:01-15:09/68
12	05:35 05:57-06:16/19 20:34	06:03 20:04	06:35 19:15	07:06 18:24	06:43 14:02-14:52/50 16:42	07:16 11:53-13:00/67 16:29 14:01-15:10/69
13	05:35 05:58-06:16/18 20:33	06:04 20:03	06:36 19:13	07:08 18:22	06:44 14:01-14:53/52 16:41	07:16 11:52-13:00/68 16:29 14:01-15:09/68
14	05:36 05:59-06:16/17 20:33	06:05 20:01	06:37 19:12	07:09 18:21	06:45 14:00-14:54/54 16:40	07:17 11:52-13:01/69 16:29 14:02-15:10/68
15	05:37 06:00-06:16/16 20:32	06:06 20:00	06:38 19:10	07:10 18:19	06:47 14:00-14:55/55 16:40	07:18 11:53-13:02/69 16:29 14:02-15:11/69
16	05:38 06:00-06:15/15 20:32	06:07 19:59	06:39 19:08	07:11 18:18	06:48 13:59-14:56/57 16:39	07:19 11:53-13:03/70 16:29 14:03-15:11/68
17	05:38 06:01-06:14/13 20:31	06:08 19:57	06:40 19:06	07:12 18:16	06:49 13:58-14:56/58 16:38	07:19 11:53-13:03/70 16:30 14:03-15:11/68
18	05:39 06:02-06:14/12 20:30	06:09 19:56	06:41 19:05	07:13 18:15	06:50 13:58-14:58/60 16:37	07:20 11:54-13:04/70 16:30 14:04-15:12/68
19	05:40 06:03-06:13/10 20:30	06:10 19:54	06:42 19:03	07:14 18:13	06:52 13:58-14:58/60 16:36	07:21 11:54-13:05/71 16:30 14:04-15:12/68
20	05:41 06:04-06:12/8 20:29	06:11 19:53	06:43 19:01	07:15 18:11	06:53 13:57-14:59/62 16:35	07:21 11:54-13:05/71 16:31 14:05-15:13/68
21	05:42 06:05-06:10/5 20:28	06:12 19:51	06:44 19:00	07:17 18:10	06:54 13:57-14:59/62 16:35	07:22 11:55-13:06/71 16:31 14:06-15:14/68
22	05:43 20:27 05:44	06:13 19:50	06:45 18:58	07:18 18:09	06:55 13:57-15:00/63 16:34	07:22 11:55-13:06/71 16:32 14:06-15:14/68
23	20:26 05:45	06:15 19:48	06:46 18:56	07:19 18:07	06:56 12:11-12:31/20 16:33	07:23 11:55-13:06/71 16:32 14:06-15:14/68
24	20:26 05:45	06:16 19:47	06:47 18:54	07:20 18:06	06:57 12:07-12:35/28 16:33	07:23 11:56-13:07/71 16:33 14:07-15:15/68
25	20:25 05:46	06:17 19:45	06:48 18:53	07:21 17:04	06:59 12:04-12:38/34 16:32	07:24 11:57-13:07/70 16:33 14:07-15:15/68
26	20:24 05:47	06:18 19:43	06:49 18:51	07:22 17:03	07:00 12:01-12:40/39 16:32	07:24 11:58-13:08/70 16:34 14:08-15:16/68
27	20:23 05:48	06:19 19:42	06:50 18:49	07:23 17:01	07:01 12:00-12:43/43 16:31	07:25 11:58-13:08/70 16:35 14:08-15:16/68
28	20:22 05:49	06:20 19:40	06:51 18:47	07:24 17:00	07:02 11:59-12:45/46 16:31	07:25 11:59-13:08/69 16:35 14:08-15:16/68
29	20:21 05:50	06:21 19:39	06:52 18:46	07:25 16:59	07:03 11:57-12:46/49 16:30	07:25 11:59-13:08/69 16:36 14:09-15:17/68
30	20:20 05:51	06:22 19:37	06:54 18:44	07:26 16:57	07:04 11:56-12:48/52 16:30	07:25 12:00-13:08/68 16:37 14:09-15:17/68
31	20:19 05:51	06:23 19:35	06:55 18:43	07:27 16:56	07:05 11:55-12:49/54 16:29	07:26 12:01-13:09/68 16:38 14:10-15:18/68
Ore potenziali eliofania	461	429	375	345	297	286
Somma minuti d'ombra	378	0	0	0	1758	4182

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
 Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Shadow Flickering Analysis WTG: 5 - Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0 m) (184)
 Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen	Feb	Mar	Apr	Mag	Giu	Lug	Ago	Set	Ott	Nov	Dic
4.12	4.66	5.30	6.72	8.25	9.35	10.16	9.45	7.64	5.82	4.65	3.82

Tempo di operatività

N	NNE	ENE	E	ESE	SSE	S	SSO	OSO	O	ONO	NNO	Somma
437	192	40	16	67	346	208	192	120	99	425	524	2,665

: Soglia di cut-in dalla curva di potenza

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	07:26 15:47-16:06/19	07:12 06:35	06:44	05:57	05:28	05:28	05:52	06:24	06:55	06:30	07:05	15:39-15:46/7
	16:39	17:14	17:48	19:23	19:56	20:26	20:37	20:18	19:34	18:42	16:55	16:30
2	07:26 15:48-16:06/18	07:11 06:34	06:42	05:56	05:27	05:28	05:53	06:25	06:56	06:31	07:06	15:38-15:48/10
	16:40	17:15	17:50	19:24	19:57	20:27	20:37	20:17	19:32	18:41	16:54	16:30
3	07:26 15:48-16:07/19	07:10 06:32	06:40	05:55	05:27	05:29	05:54	06:26	06:57	06:32	07:07	15:37-15:49/12
	16:41	17:16	17:51	19:25	19:58	20:28	20:37	20:15	19:31	18:39	16:52	16:29
4	07:26 15:49-16:07/18	07:09 06:31	06:39	05:53	05:26	05:30	05:55	06:27	06:58	06:33	07:08	15:37-15:50/13
	16:41	17:17	17:52	19:27	19:59	20:28	20:37	20:14	19:29	18:37	16:51	16:29
5	07:26 15:49-16:06/17	07:08 06:29	06:37	05:52	05:26	05:30	05:56	06:28	06:59	06:35	07:09	15:36-15:51/15
	16:42	17:19	17:53	19:28	20:00	20:29	20:36	20:13	19:27	18:36	16:50	16:29
6	07:26 15:50-16:06/16	07:07 06:27	06:35	05:51	05:26	05:31	05:57	06:29	07:00	06:36	07:10	15:36-15:52/16
	16:43	17:20	17:54	19:29	20:01	20:30	20:36	20:12	19:25	18:34	16:49	16:29
7	07:26 15:51-16:06/15	07:06 06:26	06:34	05:49	05:25	05:31	05:58	06:30	07:01	06:37	07:11	15:36-15:53/17
	16:44	17:21	17:55	19:30	20:02	20:30	20:36	20:11	19:24	18:32	16:48	16:29
8	07:26 15:53-16:06/13	07:04 06:24	06:32	05:48	05:25	05:32	05:59	06:31	07:02	06:38	07:12	15:36-15:54/18
	16:45	17:23	17:57	19:31	20:03	20:31	20:36	20:09	19:22	18:31	16:47	16:29
9	07:26 15:54-16:06/12	07:03 06:23	06:30	05:47	05:25	05:33	06:00	06:32	07:03	06:39	07:13	15:37-15:55/18
	16:46	17:24	17:58	19:32	20:04	20:32	20:35	20:08	19:20	18:29	16:46	16:29
10	07:25 15:55-16:05/10	07:02 06:21	06:29	05:46	05:25	05:33	06:01	06:33	07:04	06:41	07:14	15:37-15:55/18
	16:47	17:25	17:59	19:33	20:06	20:32	20:35	20:07	19:19	18:27	16:45	16:29
11	07:25 15:57-16:04/7	07:01 06:19	06:27	05:45	05:24	05:34	06:02	06:34	07:05	06:42	07:15	15:37-15:56/19
	16:48	17:26	18:00	19:34	20:07	20:33	20:34	20:05	19:17	18:26	16:44	16:29
12	07:25	07:00 06:18	06:26	05:44	05:24	05:35	06:03	06:35	07:07	06:43	07:16	15:38-15:57/19
	16:49	17:28	18:01	19:35	20:08	20:33	20:34	20:04	19:15	18:24	16:43	16:29
13	07:25	06:58	06:16	06:24	05:43	05:24	06:04	06:36	07:08	06:44	07:17	15:37-15:57/20
	16:51	17:29	18:02	19:36	20:09	20:34	20:33	20:03	19:14	18:23	16:42	16:29
14	07:24	06:57	06:14	06:22	05:42	05:24	06:05	06:37	07:09	06:46	07:17	15:38-15:58/20
	16:52	17:30	18:03	19:37	20:10	20:34	20:33	20:01	19:12	18:21	16:41	16:29
15	07:24	06:56	06:13	06:21	05:41	05:24	06:07	06:38	07:10	06:47	07:18	15:38-15:58/20
	16:53	17:31	18:05	19:39	20:11	20:35	20:32	20:00	19:10	18:19	16:40	16:29
16	07:24	06:54	06:11	06:19	05:40	05:24	06:08	06:39	07:11	06:48	07:19	15:39-15:59/20
	16:54	17:33	18:06	19:40	20:12	20:35	20:32	19:59	19:08	18:18	16:39	16:30
17	07:23	06:53	06:09	06:18	05:39	05:24	06:09	06:40	07:12	06:49	07:19	15:39-15:59/20
	16:55	17:34	18:07	19:41	20:13	20:35	20:31	19:57	19:07	18:16	16:38	16:30
18	07:23	06:52	06:07	06:16	05:38	05:24	06:10	06:41	07:13	06:50	07:20	15:40-16:00/20
	16:56	17:35	18:08	19:42	20:14	20:36	20:30	19:56	19:05	18:15	16:37	16:30
19	07:22	06:50	06:06	06:14	05:37	05:24	06:11	06:42	07:14	06:52	07:21	15:39-16:00/21
	16:57	17:36	18:09	19:43	20:15	20:36	20:30	19:54	19:03	18:13	16:36	16:31
20	07:21	06:49	06:04	06:13	05:36	05:24	06:12	06:43	07:16	06:53	07:21	15:40-16:01/21
	16:59	17:38	18:10	19:44	20:16	20:36	20:29	19:53	19:01	18:12	16:36	16:31
21	07:21	06:47	06:02	06:11	05:35	05:25	06:13	06:44	07:17	06:54	07:22	15:41-16:02/21
	17:00	17:39	18:11	19:45	20:17	20:36	20:28	19:51	19:00	18:10	16:35	16:31
22	07:20	06:46	06:01	06:10	05:34	05:25	06:14	06:45	07:18	06:55	07:22	15:41-16:02/21
	17:01	17:40	18:12	19:46	20:17	20:37	20:27	19:50	18:58	18:09	16:34	16:32
23	07:20	06:44	05:59	06:08	05:33	05:25	06:15	06:46	07:19	06:56	07:23	15:41-16:02/21
	17:02	17:41	18:13	19:47	20:18	20:37	20:26	19:48	18:56	18:07	16:34	16:32
24	07:19	06:43	05:57	06:07	05:33	05:25	06:16	06:47	07:20	06:57	07:23	15:42-16:03/21
	17:04	17:42	18:15	19:48	20:19	20:37	20:26	19:47	18:54	18:06	16:33	16:33
25	07:18	06:41	05:56	06:06	05:32	05:26	06:17	06:48	07:21	06:59	07:24	15:43-16:03/20
	17:05	17:44	18:16	19:49	20:20	20:37	20:25	19:45	18:53	17:04	16:33	16:34
26	07:17	06:40	05:54	06:04	05:31	05:26	06:18	06:49	07:23	07:00	07:24	15:44-16:04/20
	17:06	17:45	18:17	19:51	20:21	20:37	20:24	19:43	18:51	17:03	16:32	16:34
27	07:16	06:38	05:52	06:03	05:31	05:26	06:19	06:51	06:24	07:01	07:25	15:44-16:04/20
	17:07	17:46	18:18	19:52	20:22	20:37	20:23	19:42	18:49	17:02	16:32	16:35
28	07:16	06:37	05:50	06:01	05:30	05:27	06:20	06:52	06:25	07:02	07:25	15:44-16:04/20
	17:09	17:47	18:19	19:53	20:23	20:37	20:22	19:40	18:48	17:00	16:31	16:36
29	07:15		06:49	06:00	05:29	05:27	06:21	06:53	06:26	07:03	07:25	15:45-16:05/20
	17:10		19:20	19:54	20:24	20:37	20:21	19:39	18:46	16:59	16:31	16:36
30	07:14		06:47	05:58	05:29	05:28	06:22	06:54	06:27	07:04	07:25	15:45-16:05/20
	17:11		19:21	19:55	20:24	20:37	20:20	19:37	18:44	16:58	16:30	16:37
31	07:13		06:45		05:28		05:51	06:23		06:29	07:26	15:46-16:06/20
	17:12		19:22		20:25		20:19	19:35		16:56	16:38	16:38
Ore potenziali eliofania	296	296	369	399	450	454	461	429	375	345	297	286
Somma minuti d'ombra	164	0	0	0	0	0	0	0	0	0	0	568

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
 Tramonto (hh:mm)Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Shadow Flickering Analysis WTG: 6 - Siemens Gamesa SG 6.0-170 6000 170.0 !0! hub: 165.0 m (TOT: 250.0 m) (185)
Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
437 192 40 16 67 346 208 192 120 99 425 524 2,665

: Soglia di cut-in dalla curva di potenza

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	07:26 16:39	07:12 17:14	06:35 17:48	06:44 19:23	05:57 19:56	05:28 20:26	05:28 20:37	05:52 20:18	06:24 19:34	06:55 18:42	06:30 16:55	15:59-16:27/28 16:30
2	07:26 16:40	07:11 17:15	06:34 17:50	06:42 19:24	05:56 19:57	05:27 20:27	05:28 20:37	05:53 20:17	06:25 19:32	06:56 18:41	06:31 16:54	16:00-16:27/27 16:30
3	07:26 16:41	07:10 17:16	06:32 17:51	06:40 19:25	05:54 19:58	05:27 20:28	05:29 20:37	05:54 20:15	06:26 19:30	06:57 18:39	06:32 16:52	16:00-16:26/26 16:29
4	07:26 16:41	07:09 17:17	06:34 17:52	06:39 19:27	05:53 19:59	05:26 20:28	05:30 20:37	05:55 20:14	06:27 19:29	06:58 18:37	06:33 16:51	16:00-16:25/25 16:29
5	07:26 16:42	07:08 17:19	06:33 17:53	06:37 19:28	05:52 20:00	05:26 20:29	05:30 20:36	05:56 20:13	06:28 19:27	06:59 18:36	06:35 16:50	16:02-16:25/23 16:29
6	07:26 16:43	07:07 17:20	06:32 17:54	06:35 19:29	05:51 20:01	05:26 20:30	05:31 20:36	05:57 20:12	06:29 19:25	07:00 18:34	06:36 16:49	16:03-16:24/21 16:29
7	07:26 16:44	07:06 17:21	06:31 17:55	06:34 19:30	05:49 20:02	05:25 20:30	05:31 20:36	05:58 20:11	06:30 19:24	07:01 18:32	06:37 16:48	16:04-16:22/18 16:29
8	07:26 16:45	07:04 17:22	06:30 17:57	06:32 19:31	05:48 20:03	05:25 20:31	05:32 20:36	05:59 20:09	06:31 19:22	07:02 18:31	06:38 16:47	16:07-16:21/14 16:29
9	07:26 16:46	07:03 17:24	06:30 17:58	06:30 19:32	05:47 20:04	05:25 20:32	05:33 20:35	06:00 20:08	06:32 19:20	07:03 18:29	06:39 16:46	16:09-16:18/9 16:29
10	07:25 16:47	07:02 17:25	06:29 17:59	06:29 19:33	05:46 20:06	05:25 20:32	05:33 20:35	06:01 20:07	06:33 19:19	07:04 18:27	06:41 16:45	07:04 16:29
11	07:25 16:48	07:01 17:26	06:27 18:00	06:27 19:34	05:45 20:07	05:24 20:33	05:34 20:34	06:02 20:05	06:34 19:17	07:05 18:26	06:42 16:44	07:05 16:29
12	07:25 16:49	07:00 17:28	06:25 18:01	06:25 19:35	05:44 20:08	05:24 20:33	05:35 20:34	06:03 20:04	06:35 19:15	07:07 18:24	06:43 16:43	07:06 16:29
13	07:25 16:51	06:58 17:29	06:24 18:02	06:24 19:36	05:43 20:09	05:24 20:34	05:35 20:33	06:04 20:03	06:36 19:14	07:08 18:23	06:44 16:42	07:07 16:29
14	07:24 16:52	06:57 17:30	06:14 18:03	06:22 19:37	05:42 20:10	05:24 20:34	05:36 20:33	06:05 20:01	06:37 19:12	07:09 18:21	06:46 16:41	07:09 16:29
15	07:24 16:53	06:56 17:31	06:13 18:05	06:21 19:39	05:41 20:11	05:24 20:35	05:37 20:32	06:06 20:00	06:38 19:10	07:10 18:19	06:47 16:40	07:18 16:29
16	07:24 16:54	06:54 17:33	06:11 18:06	06:19 19:40	05:40 20:12	05:24 20:35	05:38 20:32	06:08 19:59	06:39 19:08	07:11 18:18	06:48 16:39	07:19 16:30
17	07:23 16:55	06:53 17:34	06:09 18:07	06:18 19:41	05:39 20:13	05:24 20:35	05:39 20:31	06:09 19:57	06:40 19:07	07:12 18:16	06:49 16:38	07:19 16:30
18	07:23 16:56	06:52 17:35	06:07 18:08	06:16 19:42	05:38 20:14	05:24 20:36	05:39 20:30	06:10 19:56	06:41 19:05	07:13 18:15	06:50 16:37	07:20 16:30
19	07:22 16:57	06:50 17:36	06:06 18:09	06:14 19:43	05:37 20:15	05:24 20:36	05:40 20:30	06:11 19:54	06:42 19:03	07:14 18:13	06:52 16:36	17:12-17:17/5 16:31
20	07:21 16:59	06:49 17:38	06:04 18:10	06:13 19:44	05:36 20:16	05:24 20:36	05:41 20:29	06:12 19:53	06:43 19:01	07:16 18:12	06:53 16:36	17:07-17:21/14 16:31
21	07:21 17:00	06:47 17:39	06:02 18:11	06:11 19:45	05:35 20:17	05:25 20:36	05:42 20:28	06:13 19:51	06:44 19:00	07:17 18:10	06:54 16:35	17:06-17:24/18 16:31
22	07:20 17:01	06:46 17:40	06:01 18:12	06:10 19:46	05:34 20:17	05:25 20:37	05:43 20:27	06:14 19:50	06:45 18:58	07:18 18:09	06:55 16:34	17:04-17:25/21 16:32
23	07:20 17:02	06:44 17:41	05:59 18:13	06:08 19:47	05:33 20:18	05:25 20:37	05:44 20:26	06:15 19:48	06:46 18:56	07:19 18:07	06:56 16:34	17:02-17:26/24 16:32
24	07:19 17:04	06:43 17:42	05:57 18:15	06:07 19:48	05:33 20:19	05:25 20:37	05:45 20:26	06:16 19:47	06:47 18:54	07:20 18:06	06:57 16:33	17:01-17:26/25 16:33
25	07:18 17:05	06:41 17:44	05:56 18:16	06:05 19:49	05:32 20:20	05:26 20:37	05:46 20:25	06:17 19:45	06:48 18:53	06:21 17:04	06:59 16:33	16:01-16:27/26 16:34
26	07:17 17:06	06:40 17:45	05:54 18:17	06:04 19:51	05:31 20:21	05:26 20:37	05:47 20:24	06:18 19:43	06:49 18:51	06:23 17:03	07:00 16:32	16:00-16:28/28 16:34
27	07:16 17:07	06:38 17:46	05:52 18:18	06:03 19:52	05:30 20:22	05:26 20:37	05:48 20:23	06:19 19:42	06:50 18:49	06:24 17:02	07:01 16:32	15:59-16:28/29 16:32
28	07:16 17:09	06:37 17:47	05:50 18:19	06:01 19:53	05:30 20:23	05:27 20:37	05:48 20:22	06:20 19:40	06:52 18:48	06:25 17:00	07:02 16:31	15:59-16:28/29 16:31
29	07:15 17:10	06:36 17:48	05:49 18:20	06:00 19:54	05:29 20:24	05:27 20:37	05:49 20:21	06:21 19:39	06:53 18:46	06:26 16:59	07:03 16:31	15:59-16:28/29 16:36
30	07:14 17:11	06:35 17:47	05:48 18:21	05:58 19:55	05:29 20:24	05:27 20:37	05:50 20:20	06:22 19:37	06:54 18:44	06:27 16:58	07:04 16:30	15:59-16:28/29 16:37
31	07:13 17:12	06:34 17:46	05:47 18:22	05:57 19:54	05:28 20:25	05:26 20:37	05:51 20:19	06:23 19:35	06:29 16:56	15:59-16:27/28 16:56	07:26 16:38	16:29 16:38
Ore potenziali eliofania	296	296	369	399	450	454	461	429	375	345	297	286
Somma minuti d'ombra	0	488	0	0	0	0	0	0	0	305	191	0

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
Tramonto (hh:mm)Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Shadow Flickering Analysis **WTG: 7 - Siemens Gamesa SG 6.0-170 6000 170.0 !O!** hub: 165.0 m (TOT: 250.0 m) (186)
 Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
 4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
 437 192 40 16 67 346 208 192 120 99 425 524 2,665

: Soglia di cut-in dalla curva di potenza

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno
1	07:26 16:39	07:12 17:14	06:35 17:48	06:44 19:23	17:09-18:23/74 19:56	05:57 19:30-19:32/2 20:26
2	07:26 16:40	07:11 17:15	06:34 17:50	06:42 19:24	17:09-18:23/74 19:57	05:56 19:28-19:34/6 20:27
3	07:26 16:40	07:10 17:16	06:32 17:51	06:40 19:25	17:08-18:23/75 19:58	05:54 19:27-19:35/8 20:28
4	07:26 16:41	07:09 17:17	06:31 17:52	06:39 19:27	17:08-18:22/74 19:59	05:53 19:26-19:36/10 20:28
5	07:26 16:42	07:08 17:19	06:29 17:53	06:37 19:28	17:08-18:22/74 19:28	05:52 19:24-19:36/12 20:00
6	07:26 16:43	07:07 17:20	06:27 17:54	06:35 19:29	17:08-18:22/74 20:01	05:51 19:24-19:37/13 20:30
7	07:26 16:44	07:06 17:21	06:26 17:55	06:34 19:30	17:08-18:21/73 20:02	05:49 19:24-19:39/15 20:30
8	07:26 16:45	07:04 17:22	06:24 17:57	06:32 19:31	17:08-18:21/73 19:31	05:48 19:24-19:40/16 20:03
9	07:26 16:46	07:03 17:24	06:22 17:58	06:30 19:32	17:08-18:20/72 20:04	05:47 19:24-19:41/17 20:32
10	07:25 16:47	07:02 17:25	06:21 17:59	06:29 19:33	17:08-18:19/71 20:06	05:46 19:24-19:42/18 20:32
11	07:25 16:48	07:01 17:26	06:19 18:00	06:27 19:34	17:09-18:19/70 19:34	05:45 19:24-19:42/18 20:07
12	07:25 16:49	07:00 17:28	06:18 18:01	06:25 19:35	17:09-18:18/69 20:08	05:44 19:25-19:41/16 20:33
13	07:25 16:51	06:58 17:29	06:16 18:02	06:24 19:36	17:10-18:18/68 20:09	05:43 19:25-19:41/16 20:34
14	07:24 16:52	06:57 17:30	06:14 18:03	06:22 19:37	17:10-18:17/67 20:10	05:42 19:26-19:40/14 20:34
15	07:24 16:53	06:56 17:31	06:12 18:05	06:21 19:39	17:10-18:16/66 20:11	05:41 19:27-19:39/12 20:35
16	07:23 16:54	06:54 17:33	06:11 18:06	06:19 19:40	17:11-18:15/64 20:12	05:40 19:28-19:37/9 20:35
17	07:23 16:55	06:53 17:34	06:09 18:07	06:17 19:41	17:12-18:14/62 20:13	05:39 19:31-19:35/4 20:35
18	07:23 16:56	06:52 17:35	06:07 18:08	06:16 19:42	17:13-18:13/60 20:14	05:38 20:14 20:36
19	07:22 16:57	06:50 17:36	06:06 18:09	06:14 19:43	17:13-18:12/59 20:15	05:37 20:15 20:36
20	07:21 16:59	06:49 17:37	06:04 18:10	06:13 19:44	17:15-18:11/56 20:16	05:36 20:16 20:36
21	07:21 17:00	06:47 17:39	06:02 18:11	06:11 19:45	17:15-18:09/54 20:17	05:35 20:17 20:36
22	07:20 17:01	06:46 17:40	06:01 18:12	06:10 19:46	17:17-18:08/51 20:17	05:34 20:17 20:37
23	07:19 17:02	06:44 17:41	05:59 18:13	05:59 19:47	17:18-18:06/48 20:18	05:33 20:18 20:37
24	07:19 17:03	06:43 17:42	05:57 18:14	06:07 19:48	17:19-18:05/46 20:19	05:33 20:19 20:37
25	07:18 17:05	06:41 17:44	05:56 18:16	06:05 19:49	17:21-18:04/43 20:20	05:32 20:20 20:37
26	07:17 17:06	06:40 17:45	05:54 18:17	05:54 19:50	17:22-18:01/39 20:21	05:31 20:21 20:37
27	07:16 17:07	06:38 17:46	05:52 18:18	06:03 19:52	17:25-18:00/35 20:22	05:30 20:22 20:37
28	07:16 17:08	06:37 17:47	05:50 18:19	06:01 19:53	17:26-17:57/31 20:23	05:30 20:23 20:37
29	07:15 17:10		06:49 19:20	06:49 19:54	17:10-18:22/72 20:24	05:29 20:24 20:37
30	07:14 17:11		06:47 19:21	05:58 19:55	17:10-18:23/73 20:25	05:29 20:24 20:37
31	07:13 17:12		06:45 19:22		17:09-18:23/74 20:25	05:28 20:25 20:37
Ore potenziali eliofania	296	296	369	399	450	454
Somma minuti d'ombra	0	0	1138	1762	206	0

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
 Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Shadow Flickering Analysis **WTG: 7 - Siemens Gamesa SG 6.0-170 6000 170.0 !O!** hub: 165.0 m (TOT: 250.0 m) (186)
Assunzioni sui calcoli d'ombra Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
437 192 40 16 67 346 208 192 120 99 425 524 2,665
: Soglia di cut-in dalla curva di potenza

	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	05:28 20:37	05:52 19:35-19:52/17 20:18	06:24 17:08-18:18/70 19:34	06:55 17:19-17:42/23 18:42	06:30 16:55	07:05 16:30
2	05:28 20:37	05:53 19:35-19:53/18 20:17	06:25 17:07-18:18/71 19:32	06:56 17:26-17:34/8 18:41	06:31 16:54	07:06 16:30
3	05:29 20:37	05:54 19:33-19:51/18 20:15	06:26 17:06-18:18/72 19:30	06:57 18:39	06:32 16:52	07:07 16:29
4	05:29 20:37	05:55 19:33-19:50/17 20:14	06:27 17:05-18:18/73 19:29	06:58 18:37	06:33 16:51	07:08 16:29
5	05:30 20:36	05:56 19:33-19:49/16 20:13	06:28 17:05-18:18/73 19:27	06:59 18:36	06:35 16:50	07:09 16:29
6	05:31 20:36	05:57 19:33-19:48/15 20:12	06:29 17:04-18:18/74 19:25	07:00 18:34	06:36 16:49	07:10 16:29
7	05:31 20:36	05:58 19:34-19:47/13 20:11	06:30 17:03-18:18/75 19:24	07:01 18:32	06:37 16:48	07:11 16:29
8	05:32 20:36	05:59 19:34-19:45/11 20:09	06:31 17:03-18:17/74 19:22	07:02 18:31	06:38 16:47	07:12 16:29
9	05:33 20:35	06:00 19:35-19:44/9 20:08	06:32 17:02-18:17/75 19:20	07:03 18:29	06:39 16:46	07:13 16:29
10	05:33 20:35	06:01 19:36-19:43/7 20:07	06:33 17:02-18:16/74 19:19	07:04 18:27	06:41 16:44	07:14 16:29
11	05:34 20:34	06:02 19:37-19:42/5 20:05	06:34 17:02-18:16/74 19:17	07:05 18:26	06:42 16:43	07:15 16:29
12	05:35 20:34	06:03 17:46-17:54/8 20:04 19:40-19:41/1	06:35 17:01-18:15/74 19:15	07:07 18:24	06:43 16:42	07:16 16:29
13	05:35 20:33	06:04 17:40-17:59/19 20:03	06:36 17:01-18:14/73 19:13	07:08 18:22	06:44 16:41	07:16 16:29
14	05:36 20:33	06:05 17:36-18:02/26 20:01	06:37 17:01-18:14/73 19:12	07:09 18:21	06:46 16:41	07:17 16:29
15	05:37 20:32	06:06 17:33-18:05/32 20:00	06:38 17:01-18:13/72 19:10	07:10 18:19	06:47 16:40	07:18 16:29
16	05:38 20:32	06:07 17:31-18:07/36 19:59	06:39 17:01-18:12/71 19:08	07:11 18:18	06:48 16:39	07:19 16:30
17	05:39 20:31	06:08 17:29-18:08/39 19:57	06:40 17:01-18:11/70 19:07	07:12 18:16	06:49 16:38	07:19 16:30
18	05:39 20:30	06:10 17:27-18:10/43 19:56	06:41 17:01-18:10/69 19:05	07:13 18:15	06:50 16:37	07:20 16:30
19	05:40 20:30	06:11 17:25-18:11/46 19:54	06:42 17:02-18:09/67 19:03	07:14 18:13	06:52 16:36	07:21 16:31
20	05:41 20:29	06:12 17:23-18:12/49 19:53	06:43 17:02-18:08/66 19:01	07:16 18:12	06:53 16:36	07:21 16:31
21	05:42 20:28	06:13 17:21-18:13/52 19:51	06:44 17:03-18:06/63 19:00	07:17 18:10	06:54 16:35	07:22 16:31
22	05:43 20:27	06:14 17:20-18:14/54 19:50	06:45 17:03-18:05/62 18:58	07:18 18:09	06:55 16:34	07:22 16:32
23	05:44 20:26	06:15 17:18-18:15/57 19:48	06:46 17:04-18:03/59 18:56	07:19 18:07	06:56 16:34	07:23 16:32
24	05:45 20:26	06:16 17:17-18:16/59 19:47	06:47 17:05-18:01/56 18:54	07:20 18:06	06:57 16:33	07:23 16:33
25	05:46 20:25	06:17 17:16-18:16/60 19:45	06:48 17:06-18:00/54 18:53	06:21 17:04	06:59 16:32	07:24 16:33
26	05:47 20:24	06:18 17:14-18:17/63 19:43	06:49 17:07-17:58/51 18:51	06:23 17:03	07:00 16:32	07:24 16:34
27	05:47 19:40-19:47/7 20:23	06:19 17:13-18:17/64 19:42	06:50 17:09-17:55/46 18:49	06:24 17:02	07:01 16:31	07:25 16:35
28	05:48 19:38-19:49/11 20:22	06:20 17:12-18:18/66 19:40	06:52 17:10-17:53/43 18:48	06:25 17:00	07:02 16:31	07:25 16:35
29	05:49 19:37-19:50/13 20:21	06:21 17:11-18:18/67 19:39	06:53 17:12-17:50/38 18:46	06:26 16:59	07:03 16:31	07:25 16:36
30	05:50 19:36-19:51/15 20:20	06:22 17:10-18:18/68 19:37	06:54 17:15-17:46/31 18:44	06:27 16:57	07:04 16:30	07:25 16:37
31	05:51 19:36-19:52/16 20:19	06:23 17:09-18:18/69 19:35	 	06:29 16:56	 	07:26 16:38
Ore potenziali eliofania	461	429	375	345	297	286
Somma minuti d'ombra	62	1124	1943	31	0	0

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Shadow Flickering Analysis **WTG: 8 - Siemens Gamesa SG 6.0-170 6000 170.0 !O!** hub: 165.0 m (TOT: 250.0 m) (187)
Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
437 192 40 16 67 346 208 192 120 99 425 524 2,665

: Soglia di cut-in dalla curva di potenza

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno		
1	07:26 16:39	07:12 17:13	07:32-07:42/10 17:48	06:35 17:48	06:44 19:23	07:02-07:18/16 19:56	05:57 20:26	05:27 05:51-06:20/29
2	07:26 16:39	07:11 17:15	07:31-07:45/14 17:49	06:34 17:49	06:42 19:24	07:01-07:19/18 19:57	05:56 20:27	05:27 05:52-06:21/29
3	07:26 16:40	07:10 17:16	07:30-07:46/16 17:51	06:32 17:51	06:40 19:25	07:00-07:17/17 19:58	05:54 20:28	05:27 05:51-06:21/30
4	07:26 16:41	07:09 17:17	07:29-07:48/19 17:52	06:30 17:52	06:39 19:26	07:00-07:16/16 19:59	05:53 20:28	05:26 05:51-06:22/31
5	07:26 16:42	07:08 17:19	07:28-07:49/21 17:53	06:29 17:53	06:37 19:28	07:02-07:15/13 20:00	05:52 20:29	05:26 05:51-06:23/32
6	07:26 16:43	07:07 17:20	07:27-07:50/23 17:54	06:27 17:54	06:35 19:29	07:04-07:12/8 20:01	05:51 20:30	05:25 05:50-06:23/33
7	07:26 16:44	07:06 17:21	07:26-07:51/25 17:55	06:26 17:55	06:34 19:30	05:49 20:02	05:49 20:30	05:25 05:50-06:23/33
8	07:26 16:45	07:04 17:22	07:24-07:51/27 17:56	06:24 17:56	06:32 19:31	05:48 20:03	05:48 20:31	05:25 05:51-06:24/33
9	07:26 16:46	07:03 17:24	07:24-07:51/27 17:58	06:22 17:58	06:30 19:32	05:47 20:04	05:47 20:31	05:25 05:51-06:24/33
10	07:25 16:47	07:02 17:25	07:24-07:52/28 17:59	06:21 17:59	06:29 19:33	05:46 20:05	05:46 20:32	05:24 05:51-06:25/34
11	07:25 16:48	07:01 17:26	07:25-07:52/27 18:00	06:19 18:00	06:27 19:34	05:45 20:07	05:45 20:33	05:24 05:51-06:25/34
12	07:25 16:49	06:59 17:27	07:24-07:51/27 18:01	06:17 18:01	06:25 19:35	05:44 20:08	05:44 20:33	05:24 05:51-06:26/35
13	07:25 16:50	06:58 17:29	07:25-07:51/26 18:02	06:16 18:02	06:24 19:36	05:42 20:09	05:42 20:34	05:24 05:50-06:25/35
14	07:24 16:52	06:57 17:30	07:25-07:51/26 18:03	06:14 18:03	06:22 19:37	05:41 20:10	05:41 20:34	05:24 05:50-06:26/36
15	07:24 16:53	06:56 17:31	07:25-07:50/25 18:04	06:12 18:04	06:21 19:38	05:40 20:11	05:40 20:35	05:24 05:51-06:26/35
16	07:23 16:54	06:54 17:32	07:26-07:50/24 18:06	06:11 18:06	06:19 19:40	05:39 20:12	05:39 20:35	05:24 05:52-06:27/35
17	07:23 16:55	06:53 17:34	07:27-07:48/21 18:07	06:09 18:07	06:17 19:41	05:38 20:13	05:38 20:35	05:24 05:52-06:27/35
18	07:22 16:56	06:52 17:35	07:28-07:47/19 18:08	06:07 18:08	06:16 19:42	05:37 20:14	05:37 20:36	05:24 05:52-06:27/35
19	07:22 16:57	06:50 17:36	07:31-07:46/15 18:09	06:06 18:09	06:14 19:43	05:37 20:15	05:37 20:36	05:24 05:52-06:27/35
20	07:21 16:58	06:49 17:37	07:33-07:42/9 18:10	06:04 18:10	06:13 19:44	05:36 20:16	05:36 20:36	05:24 05:52-06:28/36
21	07:21 17:00	06:47 17:39	06:02 18:11	06:22-06:37/15 18:11	06:11 19:45	05:35 20:16	05:35 20:36	05:24 05:52-06:28/36
22	07:20 17:01	06:46 17:40	06:01 18:12	06:23-06:35/12 18:12	06:10 19:46	05:34 20:17	05:34 20:37	05:25 05:52-06:28/36
23	07:19 17:02	06:44 17:41	05:59 18:13	06:26-06:32/6 18:13	06:08 19:47	05:33 20:18	05:33 20:37	05:25 05:53-06:29/36
24	07:19 17:03	06:43 17:42	05:57 18:14	05:59-06:12/13 18:14	06:07 19:48	05:32 20:19	05:32 20:37	05:25 05:53-06:28/35
25	07:18 17:05	06:41 17:43	05:55 18:16	06:05 18:16	06:05 19:49	05:32 20:20	05:32 20:37	05:25 05:53-06:28/35
26	07:17 17:06	06:40 17:45	05:54 18:17	06:13-06:16/3 18:17	06:04 19:50	05:31 20:21	05:31 20:37	05:26 05:54-06:29/35
27	07:16 17:07	06:38 17:46	05:52 18:18	06:11-06:17/6 18:18	06:02 19:52	05:30 20:22	05:30 20:37	05:26 05:54-06:29/35
28	07:16 17:08	06:37 17:47	05:50 18:19	06:09-06:18/9 18:19	06:01 19:53	05:30 20:23	05:30 20:37	05:26 05:54-06:29/35
29	07:15 17:10		06:49 19:20	07:07-07:19/12 19:20	06:00 19:54	05:29 20:24	05:29 20:37	05:27 05:54-06:29/35
30	07:14 17:11		06:47 19:21	07:06-07:19/13 19:21	05:58 19:55	05:29 20:24	05:29 20:37	05:27 05:54-06:29/35
31	07:13 17:12		06:45 19:22	07:04-07:19/15 19:22		05:28 20:25	05:28 20:37	
Ore potenziali eliofania	296	296	369	399	450	454	1021	
Somma minuti d'ombra	0	429	167	88	184			

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Shadow Flickering Analysis **WTG: 8 - Siemens Gamesa SG 6.0-170 6000 170.0 !O!** hub: 165.0 m (TOT: 250.0 m) (187)
Assunzioni sui calcoli d'ombra Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
437 192 40 16 67 346 208 192 120 99 425 524 2,665

: Soglia di cut-in dalla curva di potenza

	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	05:28 05:55-06:30/35 20:37	05:52 20:18	06:24 19:34	06:55 18:42	06:30 06:54-07:21/27 16:55	07:05 16:30
2	05:28 05:55-06:29/34 20:37	05:53 20:17	06:25 19:32	06:56 18:41	06:31 06:54-07:21/27 16:54	07:06 16:29
3	05:29 05:56-06:30/34 20:37	05:54 20:15	06:26 19:30	06:57 18:39	06:32 06:54-07:20/26 16:52	07:07 16:29
4	05:29 05:56-06:29/33 20:37	05:55 20:14	06:27 19:29	06:58 18:37	06:33 06:55-07:20/25 16:51	07:08 16:29
5	05:30 05:56-06:30/34 20:36	05:56 20:13	06:28 19:27	06:59 18:36	06:35 06:57-07:20/23 16:50	07:09 16:29
6	05:31 05:56-06:29/33 20:36	05:57 20:12	06:29 07:00-07:08/8 19:25	07:00 18:34	06:36 06:58-07:19/21 16:49	07:10 16:29
7	05:31 05:57-06:29/32 20:36	05:58 20:11	06:30 06:57-07:10/13 19:24	07:01 18:32	06:37 06:59-07:17/18 16:48	07:11 16:29
8	05:32 05:58-06:30/32 20:35	05:59 20:09	06:31 06:56-07:11/15 19:22	07:02 18:31	06:38 07:01-07:17/16 16:47	07:12 16:29
9	05:32 05:58-06:29/31 20:35	06:00 20:08	06:32 06:54-07:11/17 19:20	07:03 18:29	06:39 07:02-07:15/13 16:45	07:13 16:28
10	05:33 05:59-06:29/30 20:35	06:01 20:07	06:33 06:54-07:12/18 19:19	07:04 18:27	06:41 07:03-07:13/10 16:44	07:14 16:28
11	05:34 06:00-06:29/29 20:34	06:02 20:05	06:34 06:55-07:12/17 19:17	07:05 18:26	06:42 16:43	07:15 16:29
12	05:35 05:59-06:28/29 20:34	06:03 20:04	06:35 06:56-07:11/15 19:15	07:06 18:24	06:43 16:42	07:16 16:29
13	05:35 06:00-06:28/28 20:33	06:04 20:03	06:36 06:57-07:11/14 19:13	07:08 18:22	06:44 16:41	07:16 16:29
14	05:36 06:01-06:27/26 20:33	06:05 20:01	06:37 06:58-07:10/12 19:12	07:09 18:21	06:45 16:40	07:17 16:29
15	05:37 06:03-06:27/24 20:32	06:06 20:00	06:38 06:59-07:09/10 19:10	07:10 18:19	06:47 16:40	07:18 16:29
16	05:38 06:04-06:26/22 20:32	06:07 19:59	06:39 07:00-07:07/7 19:08	07:11 18:18	06:48 16:39	07:19 16:29
17	05:38 06:04-06:25/21 20:31	06:08 19:57	06:40 07:01-07:05/4 19:07	07:12 18:16	06:49 16:38	07:19 16:30
18	05:39 06:06-06:24/18 20:30	06:09 19:56	06:41 19:05	07:13 18:15	06:50 16:37	07:20 16:30
19	05:40 06:07-06:23/16 20:30	06:10 19:54	06:42 19:03	07:14 18:13	06:52 16:36	07:21 16:30
20	05:41 06:10-06:21/11 20:29	06:11 19:53	06:43 07:14-07:17/3 19:01	07:15 18:12	06:53 16:36	07:21 16:31
21	05:42 06:14-06:16/2 20:28	06:12 19:51	06:44 07:10-07:20/10 19:00	07:17 18:10	06:54 16:35	07:22 16:31
22	05:43 20:27	06:14 19:50	06:45 07:08-07:22/14 18:58	07:18 08:02-08:14/12 18:09	06:55 16:34	07:22 16:32
23	05:44 20:26	06:15 19:48	06:46 07:07-07:22/15 18:56	07:19 08:00-08:16/16 18:07	06:56 16:34	07:23 16:32
24	05:45 20:26	06:16 19:47	06:47 07:08-07:22/14 18:54	07:20 07:58-08:17/19 18:06	06:57 16:33	07:23 16:33
25	05:45 20:25	06:17 19:45	06:48 07:09-07:22/13 18:53	06:21 06:57-07:19/22 17:04	06:59 16:32	07:24 16:33
26	05:46 20:24	06:18 19:43	06:49 07:10-07:22/12 18:51	06:22 06:56-07:20/24 17:03	07:00 16:32	07:24 16:34
27	05:47 20:23	06:19 19:42	06:50 07:11-07:21/10 18:49	06:24 06:55-07:20/25 17:01	07:01 16:31	07:25 16:35
28	05:48 20:22	06:20 19:40	06:51 07:12-07:20/8 18:47	06:25 06:54-07:20/26 17:00	07:02 16:31	07:25 16:35
29	05:49 20:21	06:21 19:39	06:52 07:13-07:19/6 18:46	06:26 06:54-07:21/27 16:59	07:03 16:30	07:25 16:36
30	05:50 20:20	06:22 19:37	06:54 07:14-07:17/3 18:44	06:27 06:54-07:21/27 16:57	07:04 16:30	07:25 16:37
31	05:51 20:19	06:23 19:35		06:28 06:53-07:21/28 16:56		07:26 16:38
Ore potenziali eliofania	461	429	375	345	297	286
Somma minuti d'ombra	554	0	258	226	206	0

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Shadow Flickering Analysis WTG: 9 - Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0 m) (188)
 Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
 4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
 437 192 40 16 67 346 208 192 120 99 425 524 2,665

: Soglia di cut-in dalla curva di potenza

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	07:26 16:39	07:12 17:14	06:35 17:48	06:44 19:23	05:57 19:56	05:28 20:26	05:28 20:37	05:52 20:18	06:24 19:34	06:55 18:42	06:30 16:55	07:05 16:30
2	07:26 16:40	07:11 17:15	06:34 17:50	06:42 19:24	05:56 19:57	05:27 20:27	05:29 20:37	05:53 20:17	06:25 19:32	06:56 18:41	06:31 16:54	07:06 16:30
3	07:26 16:41	07:10 17:16	06:32 17:51	06:40 19:25	05:55 19:58	05:27 20:28	05:29 20:37	05:54 20:15	06:26 19:31	06:57 18:39	06:32 16:53	07:07 16:29
4	07:26 16:42	07:09 17:17	06:31 17:52	06:39 19:27	05:53 19:59	05:26 20:28	05:30 20:37	05:55 20:14	06:27 19:29	06:58 18:37	06:33 16:51	07:08 16:29
5	07:26 16:42	07:08 17:19	06:29 17:53	06:37 19:28	05:52 20:00	05:26 20:29	05:30 20:36	05:56 20:13	06:28 19:27	06:59 18:36	06:35 16:50	07:09 16:29
6	07:26 16:43	07:07 17:20	06:27 17:54	06:35 19:29	05:51 20:01	05:26 20:30	05:31 20:36	05:57 20:12	06:29 19:25	07:00 18:34	06:36 16:49	07:10 16:29
7	07:26 16:44	07:06 17:21	06:26 17:55	06:34 19:30	05:50 20:02	05:25 20:30	05:31 20:36	05:58 20:11	06:30 19:24	07:01 18:32	06:37 16:48	07:11 16:29
8	07:26 16:45	07:04 17:23	06:24 17:57	06:32 19:31	05:48 20:03	05:25 20:31	05:32 20:35	05:59 20:09	06:31 19:22	07:02 18:31	06:38 16:47	07:12 16:29
9	07:26 16:46	07:03 17:24	06:23 17:58	06:30 19:32	05:47 20:04	05:25 20:31	05:33 20:35	06:00 20:08	06:32 19:20	07:03 18:29	06:39 16:46	07:13 16:29
10	07:25 16:47	07:02 17:25	06:21 17:59	06:29 19:33	05:46 20:06	05:25 20:32	05:33 20:35	06:01 20:07	06:33 19:19	07:04 18:27	06:41 16:45	07:14 16:29
11	07:25 16:48	07:01 17:26	06:19 18:00	06:27 19:34	05:45 20:07	05:24 20:33	05:34 20:34	06:02 20:05	06:34 19:17	07:05 18:26	06:42 16:44	07:15 16:29
12	07:25 16:50	07:00 17:28	06:18 18:01	06:26 19:35	05:44 20:08	05:24 20:33	05:35 20:34	06:03 20:04	06:35 19:15	07:07 18:24	06:43 16:43	07:16 16:29
13	07:25 16:51	06:58 17:29	06:16 18:02	06:24 19:36	05:43 20:09	05:24 20:34	05:36 20:33	06:04 20:03	06:36 19:14	07:08 18:23	06:44 16:42	07:16 16:29
14	07:24 16:52	06:57 17:30	06:14 18:03	06:22 19:37	05:42 20:10	05:24 20:34	05:36 20:33	06:06 20:01	06:37 19:12	07:09 18:21	06:46 16:41	07:17 16:29
15	07:24 16:53	06:56 17:31	06:13 18:05	06:21 19:39	05:41 20:11	05:24 20:35	05:37 20:32	06:07 20:00	06:38 19:10	07:10 18:19	06:47 16:40	07:18 16:29
16	07:23 16:54	06:54 17:32	06:11 18:06	06:19 19:40	05:40 20:12	05:24 20:35	05:38 20:32	06:08 19:59	06:39 19:08	07:11 18:18	06:48 16:39	07:19 16:30
17	07:23 16:55	06:53 17:34	06:09 18:07	06:18 19:41	05:39 20:13	05:24 20:35	05:39 20:31	06:09 19:57	06:40 19:07	07:12 18:16	06:49 16:38	07:19 16:30
18	07:23 16:56	06:52 17:35	06:07 18:08	06:16 19:42	05:38 20:14	05:24 20:36	05:40 20:30	06:10 19:56	06:41 19:05	07:13 18:15	06:50 16:37	07:20 16:30
19	07:22 16:58	06:50 17:36	06:06 18:09	06:14 19:43	05:37 20:15	05:24 20:36	05:40 20:30	06:11 19:54	06:42 19:03	07:14 18:13	06:52 16:36	07:21 16:31
20	07:21 16:59	06:49 17:38	06:04 18:10	06:13 19:44	05:36 20:16	05:25 20:36	05:41 20:29	06:12 19:53	06:43 19:01	07:16 18:12	06:53 16:36	07:21 16:31
21	07:21 17:00	06:47 17:39	06:02 18:11	06:11 19:45	05:35 20:17	05:25 20:36	05:42 20:28	06:13 19:51	06:44 19:00	07:17 18:10	06:54 16:35	07:22 16:32
22	07:20 17:01	06:46 17:40	06:01 18:12	06:10 19:46	05:34 20:17	05:25 20:37	05:43 20:27	06:14 19:50	06:45 18:58	07:18 18:09	06:55 16:34	07:22 16:32
23	07:19 17:02	06:44 17:41	05:59 18:13	06:08 19:47	05:33 20:18	05:25 20:37	05:44 20:26	06:15 19:48	06:46 18:56	07:19 18:07	06:56 16:34	07:23 16:32
24	07:19 17:04	06:43 17:42	05:57 18:15	06:07 19:48	05:33 20:19	05:25 20:37	05:45 20:26	06:16 19:47	06:47 18:54	07:20 18:06	06:57 16:33	07:23 16:33
25	07:18 17:05	06:41 17:44	05:56 18:16	06:06 19:49	05:32 20:20	05:26 20:37	05:46 20:25	06:17 19:45	06:48 18:53	06:21 17:04	06:59 16:33	07:24 16:34
26	07:17 17:06	06:40 17:45	05:54 18:17	06:04 19:51	05:31 20:21	05:26 20:37	05:47 20:24	06:18 19:43	06:49 18:51	06:23 17:03	07:00 16:32	07:24 16:34
27	07:16 17:07	06:38 17:46	05:52 18:18	06:03 19:52	05:31 20:22	05:26 20:37	05:48 20:23	06:19 19:42	06:51 18:49	06:24 17:02	07:01 16:32	07:25 16:35
28	07:16 17:09	06:37 17:47	05:51 18:19	06:01 19:53	05:30 20:23	05:27 20:37	05:49 20:22	06:20 19:40	06:52 18:48	06:25 17:00	07:02 16:31	07:25 16:36
29	07:15 17:10		06:49 19:20	06:00 19:54	05:29 20:24	05:27 20:37	05:49 20:21	06:21 19:39	06:53 18:46	06:26 16:59	07:03 16:31	07:25 16:36
30	07:14 17:11		06:47 19:21	05:59 19:55	05:29 20:24	05:28 20:37	05:50 20:20	06:22 19:37	06:54 18:44	06:27 16:58	07:04 16:30	07:25 16:37
31	07:13 17:12		06:45 19:22		05:28 20:25		05:51 20:19	06:23 19:35		06:29 16:56		07:26 16:38
Ore potenziali eliofania	296	296	369	399	450	454	461	429	375	345	297	286
Somma minuti d'ombra	0	0	0	0	0	0	0	0	0	0	0	0

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
 Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

Progetto:

San Severo

Utente autorizzato:

wpd AG
Stephanitorsbollwerk 3 (Haus LUV)
DE-28211 Bremen
+49 7142 77810
Michela / m.sinesi@wpd-italia.it
Redatto il:
09/01/2020 20:30/3.3.274

SHADOW - Calendario per WTG

Calcolo: Shadow Flickering Analysis WTG: 10 - Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0 m) (189)
Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
437 192 40 16 67 346 208 192 120 99 425 524 2,665

: Soglia di cut-in dalla curva di potenza

Table with 12 columns for months (Gennaio to Dicembre) and 31 rows of time slots. It contains detailed data on potential hours of eliofania and minutes of shadow for each day and time slot.

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra



SHADOW - Calendario per WTG

Calcolo: Shadow Flickering Analysis **WTG: 11 - Siemens Gamesa SG 6.0-170 6000 170.0 !O!** hub: 165.0 m (TOT: 250.0 m) (190)
 Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Assunzioni sui calcoli d'ombra

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
 4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
 437 192 40 16 67 346 208 192 120 99 425 524 2,665

: Soglia di cut-in dalla curva di potenza

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno
1	07:26 16:39	07:12 17:13	06:35 17:48	06:44 07:09-07:21/12 19:23	05:57 18:51-19:25/34 19:56	05:27 20:26
2	07:26 16:39	07:11 17:15	06:34 17:49	06:42 07:12-07:19/7 19:24	05:56 18:51-19:26/35 19:57	05:27 20:27
3	07:26 16:40	07:10 07:30-07:31/1 17:16	06:32 17:51	06:40 19:25	05:54 18:51-19:26/35 19:58	05:27 20:27
4	07:26 16:41	07:09 07:29-07:33/4 17:17	06:30 17:52	06:38 19:26	05:53 18:50-19:27/37 19:59	05:26 20:28
5	07:26 16:42	07:08 07:28-07:35/7 17:18	06:29 17:53	06:37 19:27	05:52 18:49-19:26/37 20:00	05:26 20:29
6	07:26 16:43	07:07 07:27-07:36/9 17:20	06:27 17:54	06:35 19:29	05:51 18:49-19:26/37 20:01	05:25 20:30
7	07:26 16:44	07:05 07:26-07:36/10 17:21	06:26 17:55	06:34 19:30	05:49 18:49-19:26/37 20:02	05:25 20:30
8	07:26 16:45	07:04 07:24-07:36/12 17:22	06:24 17:56	06:32 19:31	05:48 18:50-19:26/36 20:03	05:25 20:31
9	07:26 16:46	07:03 07:23-07:36/13 17:24	06:22 17:58	06:30 19:32	05:47 18:50-19:26/36 20:04	05:25 20:31
10	07:25 16:47	07:02 07:22-07:36/14 17:25	06:21 17:59	06:29 19:33	05:46 18:50-19:26/36 20:05	05:24 20:32
11	07:25 16:48	07:01 07:21-07:36/15 17:26	06:19 18:00	06:27 19:34	05:45 18:50-19:26/36 20:06	05:24 20:33
12	07:25 16:49	06:59 07:19-07:35/16 17:27	06:17 18:01	06:25 19:35	05:44 18:51-19:26/35 20:07	05:24 20:33
13	07:25 16:50	06:58 07:21-07:35/14 17:29	06:16 18:02	06:24 19:36	05:42 18:51-19:25/34 20:08	05:24 20:34
14	07:24 16:51	06:57 07:22-07:34/12 17:30	06:14 18:03	06:22 19:37	05:41 18:52-19:25/33 20:10	05:24 20:34
15	07:24 16:53	06:56 07:24-07:30/6 17:31	06:12 18:04	06:21 19:38	05:40 18:52-19:24/32 20:11	05:24 20:34
16	07:23 16:54	06:54 17:32	06:11 18:06	06:19 19:39	05:39 18:53-19:24/31 20:12	05:24 20:35
17	07:23 16:55	06:53 17:34	06:09 18:07	06:17 19:41	05:38 18:53-19:23/30 20:13	05:24 20:35
18	07:22 16:56	06:51 17:35	06:07 18:08	06:16 19:42	05:37 18:54-19:22/28 20:14	05:24 20:36
19	07:22 16:57	06:50 17:36	06:06 18:09	06:14 19:43	05:37 18:55-19:21/26 20:14	05:24 20:36
20	07:21 16:58	06:49 17:37	06:04 18:10	06:13 19:44	05:36 18:55-19:20/25 20:15	05:24 20:36
21	07:21 17:00	06:47 17:39	06:02 18:11	06:11 19:45	05:35 18:57-19:20/23 20:16	05:24 20:36
22	07:20 17:01	06:46 17:40	06:01 06:19-06:22/3 18:12	06:10 19:46	05:34 18:58-19:19/21 20:17	05:25 20:37
23	07:19 17:02	06:44 17:41	05:59 06:18-06:25/7 18:13	06:08 19:03-19:16/13 19:47	05:33 18:59-19:17/18 20:18	05:25 20:37
24	07:19 17:03	06:43 17:42	05:57 06:16-06:26/10 18:14	06:07 19:01-19:19/18 19:48	05:32 19:01-19:15/14 20:19	05:25 20:37
25	07:18 17:05	06:41 17:43	05:55 06:14-06:26/12 18:15	06:05 18:58-19:20/22 19:49	05:32 19:03-19:14/11 20:20	05:25 20:37
26	07:17 17:06	06:40 17:45	05:54 06:12-06:26/14 18:17	06:04 18:57-19:22/25 19:50	05:31 19:07-19:10/3 20:21	05:26 20:37
27	07:16 17:07	06:38 17:46	05:52 06:11-06:27/16 18:18	06:02 18:55-19:23/28 19:51	05:30 20:22	05:26 20:37
28	07:15 17:08	06:37 17:47	05:50 06:09-06:26/17 18:19	06:01 18:54-19:24/30 19:53	05:30 20:23	05:26 20:37
29	07:15 17:10		06:49 07:07-07:25/18 19:20	06:00 18:53-19:25/32 19:54	05:29 20:24	05:27 20:37
30	07:14 17:11		06:47 07:08-07:25/17 19:21	05:58 18:52-19:26/34 19:55	05:28 20:24	05:27 20:37
31	07:13 17:12		06:45 07:08-07:23/15 19:22		05:28 20:25	
Ore potenziali eliofania	296	296	369	399	450	454
Somma minuti d'ombra	0	133	129	221	760	0

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
 Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Shadow Flickering Analysis **WTG: 11 - Siemens Gamesa SG 6.0-170 6000 170.0 !O!** hub: 165.0 m (TOT: 250.0 m) (190)
Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
437 192 40 16 67 346 208 192 120 99 425 524 2,665
: Soglia di cut-in dalla curva di potenza

	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	05:28 20:37	05:52 19:00-19:35/35 20:18	06:24 19:34	06:55 18:42	06:30 06:52-07:06/14 16:55	07:05 16:30
2	05:28 20:37	05:53 19:00-19:36/36 20:16	06:25 19:32	06:56 18:41	06:31 06:53-07:06/13 16:54	07:06 16:29
3	05:29 20:37	05:54 19:00-19:36/36 20:15	06:26 19:30	06:57 18:39	06:32 06:54-07:06/12 16:52	07:07 16:29
4	05:29 20:37	05:55 18:59-19:36/37 20:14	06:27 19:29	06:58 18:37	06:33 06:55-07:05/10 16:51	07:08 16:29
5	05:30 20:36	05:56 18:59-19:36/37 20:13	06:28 19:27	06:59 18:36	06:34 06:57-07:05/8 16:50	07:09 16:29
6	05:31 20:36	05:57 18:59-19:36/37 20:12	06:29 19:25	07:00 18:34	06:36 06:58-07:04/6 16:49	07:10 16:29
7	05:31 20:36	05:58 18:59-19:36/37 20:10	06:30 19:24	07:01 18:32	06:37 06:59-07:03/4 16:48	07:11 16:29
8	05:32 20:35	05:59 18:59-19:36/37 20:09	06:31 19:22	07:02 18:31	06:38 07:01-07:02/1 16:46	07:12 16:28
9	05:32 20:35	06:00 18:59-19:35/36 20:08	06:32 19:20	07:03 18:29	06:39 16:45	07:13 16:28
10	05:33 20:35	06:01 18:59-19:35/36 20:07	06:33 07:05-07:12/7 19:19	07:04 18:27	06:41 16:44	07:14 16:28
11	05:34 20:34	06:02 19:00-19:35/35 20:05	06:34 07:02-07:14/12 19:17	07:05 18:26	06:42 16:43	07:15 16:29
12	05:35 20:34	06:03 19:00-19:34/34 20:04	06:35 07:00-07:15/15 19:15	07:06 18:24	06:43 16:42	07:16 16:29
13	05:35 20:33	06:04 19:00-19:33/33 20:03	06:36 06:59-07:16/17 19:13	07:08 18:22	06:44 16:41	07:16 16:29
14	05:36 20:33	06:05 19:01-19:32/31 20:01	06:37 06:58-07:16/18 19:12	07:09 18:21	06:45 16:40	07:17 16:29
15	05:37 20:32	06:06 19:02-19:31/29 20:00	06:38 06:59-07:16/17 19:10	07:10 18:19	06:47 16:40	07:18 16:29
16	05:38 20:31	06:07 19:02-19:30/28 19:58	06:39 07:00-07:16/16 19:08	07:11 18:18	06:48 16:39	07:19 16:29
17	05:38 20:31	06:08 19:04-19:28/24 19:57	06:40 07:01-07:15/14 19:06	07:12 18:16	06:49 16:38	07:19 16:30
18	05:39 19:14-19:22/8 20:30	06:09 19:05-19:27/22 19:56	06:41 07:02-07:15/13 19:05	07:13 18:15	06:50 16:37	07:20 16:30
19	05:40 19:12-19:25/13 20:29	06:10 19:07-19:24/17 19:54	06:42 07:03-07:13/10 19:03	07:14 18:13	06:51 16:36	07:21 16:30
20	05:41 19:10-19:27/17 20:29	06:11 19:10-19:21/11 19:53	06:43 07:04-07:12/8 19:01	07:15 18:11	06:53 16:36	07:21 16:31
21	05:42 19:09-19:28/19 20:28	06:12 19:51	06:44 07:05-07:09/4 19:00	07:17 18:10	06:54 16:35	07:22 16:31
22	05:43 19:07-19:29/22 20:27	06:13 19:50	06:45 18:58	07:18 18:09	06:55 16:34	07:22 16:32
23	05:44 19:06-19:30/24 20:26	06:15 19:48	06:46 18:56	07:19 18:07	06:56 16:34	07:23 16:32
24	05:45 19:05-19:31/26 20:25	06:16 19:46	06:47 18:54	07:20 18:06	06:57 16:33	07:23 16:33
25	05:45 19:05-19:32/27 20:25	06:17 19:45	06:48 18:53	06:21 17:04	06:58 16:32	07:24 16:33
26	05:46 19:04-19:33/29 20:24	06:18 19:43	06:49 18:51	06:22 17:03	07:00 16:32	07:24 16:34
27	05:47 19:03-19:34/31 20:23	06:19 19:42	06:50 18:49	06:24 06:53-07:01/8 17:01	07:01 16:31	07:24 16:35
28	05:48 19:03-19:34/31 20:22	06:20 19:40	06:51 18:47	06:25 06:51-07:03/12 17:00	07:02 16:31	07:25 16:35
29	05:49 19:02-19:35/33 20:21	06:21 19:39	06:52 18:46	06:26 06:50-07:04/14 16:59	07:03 16:30	07:25 16:36
30	05:50 19:02-19:36/34 20:20	06:22 19:37	06:53 18:44	06:27 06:49-07:05/16 16:57	07:04 16:30	07:25 16:37
31	05:51 19:02-19:36/34 20:19	06:23 19:35		06:28 06:50-07:05/15 16:56		07:25 16:38
Ore potenziali eliofania	461	429	375	345	297	286
Somma minuti d'ombra	348	628	151	65	68	0

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
Tramonto (hh:mm)Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Shadow Flickering Analysis WTG: 12 - Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0 m) (191 Assunzioni sui calcoli d'ombra

Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]
Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
437 192 40 16 67 346 208 192 120 99 425 524 2,665
: Soglia di cut-in dalla curva di potenza

		Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre	
1	07:26	07:12	06:35	17:10-17:26/16	06:43	05:57	05:27	05:28	05:52	06:24	06:54	17:47-18:13/26	06:29	07:05
	16:38	17:13	17:48		19:23	19:56	20:26	20:37	20:17	19:33	18:42		16:55	16:30
2	07:26	07:11	06:33	17:08-17:27/19	06:42	05:55	05:27	05:28	05:53	06:25	06:55	17:45-18:13/28	06:31	07:06
	16:39	17:14	17:49		19:24	19:57	20:26	20:37	20:16	19:32	18:40		16:53	16:29
3	07:26	07:10	06:32	17:07-17:29/22	06:40	05:54	05:26	05:29	05:54	06:26	06:56	17:44-18:13/29	06:32	07:07
	16:40	17:16	17:50		19:25	19:58	20:27	20:37	20:15	19:30	18:39		16:52	16:29
4	07:26	07:09	06:30	17:06-17:30/24	06:38	05:53	05:26	05:29	05:55	06:27	06:58	17:43-18:12/29	06:33	07:08
	16:41	17:17	17:52		19:26	19:59	20:28	20:36	20:14	19:28	18:37		16:51	16:29
5	07:26	07:07	06:29	17:06-17:32/26	06:37	05:52	05:26	05:30	05:56	06:28	06:59	17:42-18:11/29	06:34	07:09
	16:42	17:18	17:53		19:27	20:00	20:29	20:36	20:13	19:27	18:35		16:50	16:29
6	07:26	07:06	06:27	17:05-17:32/27	06:35	05:50	05:25	05:30	05:57	06:29	07:00	17:41-18:10/29	06:35	07:10
	16:43	17:20	17:54		19:28	20:01	20:29	20:36	20:12	19:25	18:34		16:49	16:28
7	07:26	07:05	06:25	17:05-17:33/28	06:33	05:49	05:25	05:31	05:58	06:30	07:01	17:41-18:09/28	06:37	07:11
	16:44	17:21	17:55		19:29	20:02	20:30	20:36	20:10	19:23	18:32		16:47	16:28
8	07:26	07:04	06:24	17:05-17:34/29	06:32	05:48	05:25	05:32	05:59	06:31	07:02	17:41-18:07/26	06:38	07:12
	16:45	17:22	17:56		19:31	20:03	20:31	20:35	20:09	19:22	18:30		16:46	16:28
9	07:25	07:03	06:22	17:05-17:34/29	06:30	05:47	05:24	05:32	06:00	06:32	07:03	17:41-18:05/24	06:39	07:13
	16:46	17:23	17:57		19:32	20:04	20:31	20:35	20:08	19:20	18:29		16:45	16:28
10	07:25	07:02	06:21	17:05-17:34/29	06:28	05:46	05:24	05:33	06:01	06:33	07:04	17:41-18:03/22	06:40	07:14
	16:47	17:25	17:59		19:33	20:05	20:32	20:34	20:06	19:18	18:27		16:44	16:28
11	07:25	07:00	06:19	17:06-17:35/29	06:27	05:44	05:24	05:34	06:02	06:34	07:05	17:42-18:03/21	06:42	07:15
	16:48	17:26	18:00		19:34	20:06	20:32	20:34	20:05	19:17	18:25		16:43	16:28
12	07:25	06:59	06:17	17:07-17:34/27	06:25	05:43	05:24	05:34	06:03	06:35	07:06	17:43-18:01/18	06:43	07:15
	16:49	17:27	18:01		19:35	20:07	20:33	20:34	20:04	19:15	18:24		16:42	16:28
13	07:24	06:58	06:16	17:07-17:33/26	06:24	05:42	05:24	05:35	06:04	06:36	07:07	17:44-17:59/15	06:44	07:16
	16:50	17:28	18:02		19:36	20:08	20:33	20:33	20:02	19:13	18:22		16:41	16:29
14	07:24	06:57	06:14	17:08-17:33/25	06:22	05:41	05:24	05:36	06:05	06:37	07:08	17:46-17:57/11	06:45	07:17
	16:51	17:30	18:03		19:37	20:09	20:34	20:32	20:01	19:11	18:21		16:40	16:29
15	07:24	06:55	06:12	17:08-17:32/24	06:20	05:40	05:24	05:37	06:06	06:38	07:10		06:46	07:18
	16:52	17:31	18:04		19:38	20:10	20:34	20:32	20:00	19:10	18:19		16:39	16:29
16	07:23	06:54	06:10	17:08-17:30/22	06:19	05:39	05:24	05:37	06:07	06:39	07:11		06:48	07:18
	16:54	17:32	18:05		19:39	20:11	20:35	20:31	19:58	19:08	18:17		16:38	16:29
17	07:23	06:53	06:09	17:10-17:30/20	06:17	05:38	05:24	05:38	06:08	06:40	07:12		06:49	07:19
	16:55	17:33	18:06		19:40	20:12	20:35	20:31	19:57	19:06	18:16		16:38	16:30
18	07:22	06:51	06:07	17:11-17:27/16	06:16	05:37	05:24	05:39	06:09	06:41	07:13		06:50	07:20
	16:56	17:35	18:08		19:41	20:13	20:35	20:30	19:55	19:05	18:14		16:37	16:30
19	07:22	06:50	06:05	17:13-17:24/11	06:14	05:36	05:24	05:40	06:10	06:42	07:14		06:51	07:20
	16:57	17:36	18:09		19:43	20:14	20:36	20:29	19:54	19:03	18:13		16:36	16:30
20	07:21	06:48	06:04		06:13	05:35	05:24	05:41	06:11	06:43	07:15		06:52	07:21
	16:58	17:37	18:10		19:44	20:15	20:36	20:29	19:52	19:01	18:11		16:35	16:31
21	07:20	06:47	06:02		06:11	05:35	05:24	05:42	06:12	06:44	07:16		06:54	07:22
	16:59	17:38	18:11		19:45	20:16	20:36	20:28	19:51	18:59	18:10		16:35	16:31
22	07:20	06:46	06:00		06:10	05:34	05:24	05:43	06:13	06:45	07:18		06:55	07:22
	17:01	17:40	18:12		19:46	20:17	20:36	20:27	19:49	18:58	18:08		16:34	16:32
23	07:19	06:44	05:59		06:08	05:33	05:25	05:43	06:14	06:46	07:19		06:56	07:23
	17:02	17:41	18:13		19:47	20:18	20:37	20:26	19:48	18:56	18:07		16:33	16:32
24	07:18	06:43	05:57		06:07	05:32	05:25	05:44	06:15	06:47	17:58-18:06/8		06:57	07:23
	17:03	17:42	18:14		19:48	20:19	20:37	20:25	19:46	18:54	18:05		16:33	16:33
25	07:18	06:41	05:55		06:05	05:31	05:25	05:45	06:16	06:48	17:54-18:09/15		06:58	07:23
	17:04	17:43	18:15		19:49	20:20	20:37	20:24	19:45	18:52	17:04		16:32	16:33
26	07:17	06:40	05:54		06:04	05:31	05:26	05:46	06:17	06:49	17:52-18:10/18		06:59	07:24
	17:06	17:44	18:16		19:50	20:21	20:37	20:23	19:43	18:51	17:03		16:32	16:34
27	07:16	06:38	17:15-17:23/8		06:02	05:30	05:26	05:47	06:18	06:50	17:50-18:11/21		07:01	07:24
	17:07	17:46	18:17		19:51	20:22	20:37	20:22	19:42	18:49	17:01		16:31	16:34
28	07:15	06:37	17:12-17:25/13		06:01	05:29	05:26	05:48	06:19	06:51	17:49-18:12/23		07:02	07:25
	17:08	17:47	18:19		19:52	20:22	20:37	20:22	19:40	18:47	17:00		16:31	16:35
29	07:14		06:48		05:59	05:29	05:27	05:49	06:20	06:52	17:48-18:12/24		07:03	07:25
	17:09		19:20		19:53	20:23	20:37	20:21	19:38	18:45	16:58		16:30	16:36
30	07:14		06:47		05:58	05:28	05:27	05:50	06:21	06:53	17:47-18:13/26		07:04	07:25
	17:11		19:21		19:55	20:24	20:37	20:19	19:37	18:44	16:57		16:30	16:37
31	07:13		06:45			05:28		05:51	06:23		06:28			07:25
	17:12		19:22			20:25		20:18	19:35		16:56			16:37
Ore potenziali eliofania	296	296	369	399	450	454	461	429	375	335	345	297	286	0
Somma minuti d'ombra	0	21	449	0	0	0	0	0	0	135	335	0	0	0

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
Tramonto (hh:mm)Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Shadow Flickering Analysis **WTG: 13 - Siemens Gamesa SG 6.0-170 6000 170.0 !O!** hub: 165.0 m (TOT: 250.0 m) (192) Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Assunzioni sui calcoli d'ombra

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
 4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
 437 192 40 16 67 346 208 192 120 99 425 524 2,665

: Soglia di cut-in dalla curva di potenza

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno
1	07:25 16:38	07:12 17:13	06:35 07:14-08:06/52 17:48	06:43 18:42-18:54/12 19:23	05:57 18:34-19:04/30 19:56	05:27 20:26
2	07:26 16:39	07:11 17:14	06:33 07:14-08:07/53 17:49	06:42 18:38-18:56/18 19:24	05:55 18:35-19:04/29 19:57	05:27 20:26
3	07:26 16:40	07:10 17:16	06:32 07:13-08:06/53 17:50	06:40 18:36-18:59/23 19:25	05:54 18:37-19:02/25 19:58	05:26 20:27
4	07:26 16:41	07:09 17:17	06:30 07:13-08:06/53 17:52	06:38 18:34-19:00/26 19:26	05:53 18:37-19:00/23 19:59	05:26 20:28
5	07:26 16:42	07:07 17:18	06:29 07:13-08:06/53 17:53	06:37 18:32-19:01/29 19:27	05:52 18:39-18:59/20 20:00	05:26 20:29
6	07:26 16:43	07:06 17:20	06:27 07:12-08:06/54 17:54	06:35 18:31-19:02/31 19:28	05:50 18:41-18:56/15 20:01	05:25 20:29
7	07:26 16:44	07:05 17:21	06:25 07:11-08:05/54 17:55	06:33 18:30-19:02/32 19:29	05:49 18:45-18:53/8 20:02	05:25 20:30
8	07:25 16:45	07:04 17:22	06:24 07:12-08:05/53 17:56	06:32 18:28-19:02/34 19:31	05:48 20:03	05:25 20:31
9	07:25 16:46	07:03 17:23	06:22 07:12-08:05/53 17:57	06:30 18:28-19:03/35 19:32	05:47 20:04	05:24 20:31
10	07:25 16:47	07:02 17:25	06:20 07:11-08:04/53 17:58	06:28 18:27-19:03/36 19:33	05:46 20:05	05:24 20:32
11	07:25 16:48	07:00 17:26	06:19 07:12-08:04/52 18:00	06:27 18:26-19:04/38 19:34	05:44 20:06	05:24 20:32
12	07:25 16:49	06:59 17:27	06:17 07:12-08:02/50 18:01	06:25 18:27-19:06/39 19:35	05:43 20:07	05:24 20:33
13	07:24 16:50	06:58 17:28	06:16 07:12-08:01/49 18:02	06:23 18:26-19:07/41 19:36	05:42 20:08	05:24 20:33
14	07:24 16:51	06:57 17:30	06:14 07:13-08:01/48 18:03	06:22 18:26-19:09/43 19:37	05:41 20:09	05:24 20:34
15	07:24 16:52	06:55 17:31	06:12 07:13-07:59/46 18:04	06:20 18:26-19:09/43 19:38	05:40 20:10	05:24 20:34
16	07:23 16:54	06:54 17:32	06:10 07:13-07:58/45 18:05	06:19 18:26-19:09/43 19:39	05:39 20:11	05:24 20:35
17	07:23 16:55	06:53 07:36-07:47/11 17:33	06:09 07:15-07:57/42 18:06	06:17 18:26-19:10/44 19:40	05:38 20:12	05:24 20:35
18	07:22 16:56	06:51 07:32-07:52/20 17:35	06:07 07:16-07:55/39 18:08	06:16 18:26-19:10/44 19:41	05:37 20:13	05:24 20:35
19	07:22 16:57	06:50 07:28-07:54/26 17:36	06:05 07:17-07:53/36 18:09	06:14 18:28-19:10/42 19:43	05:36 20:14	05:24 20:36
20	07:21 16:58	06:48 07:26-07:57/31 17:37	06:04 07:18-07:50/32 18:10	06:13 18:28-19:10/42 19:44	05:35 20:15	05:24 20:36
21	07:20 16:59	06:47 07:24-07:58/34 17:38	06:02 07:20-07:48/28 18:11	06:11 18:29-19:10/41 19:45	05:35 20:16	05:24 20:36
22	07:20 17:01	06:46 07:22-08:00/38 17:40	06:00 07:22-07:45/23 18:12	06:10 18:30-19:10/40 19:46	05:34 20:17	05:24 20:36
23	07:19 17:02	06:44 07:20-08:01/41 17:41	05:59 07:26-07:40/14 18:13	06:08 18:31-19:10/39 19:47	05:33 20:18	05:25 20:37
24	07:18 17:03	06:43 07:20-08:03/43 17:42	05:57 18:14	06:07 18:32-19:10/38 19:48	05:32 20:19	05:25 20:37
25	07:18 17:04	06:41 07:18-08:03/45 17:43	05:55 18:15	06:05 18:31-19:09/38 19:49	05:31 20:20	05:25 20:37
26	07:17 17:06	06:40 07:17-08:05/48 17:44	05:53 18:16	06:04 18:32-19:09/37 19:50	05:31 20:21	05:25 20:37
27	07:16 17:07	06:38 07:16-08:05/49 17:46	05:52 18:17	06:02 18:31-19:08/37 19:51	05:30 20:22	05:26 20:37
28	07:15 17:08	06:36 07:16-08:06/50 17:47	05:50 18:19	06:01 18:32-19:07/35 19:52	05:29 20:22	05:26 20:37
29	07:14 17:09		06:48 19:20	05:59 18:33-19:07/34 19:53	05:29 20:23	05:27 20:37
30	07:13 17:11		06:47 19:21	05:58 18:33-19:05/32 19:54	05:28 20:24	05:27 20:37
31	07:13 17:12		06:45 19:22		05:28 20:25	
Ore potenziali eliofania	296	296	369	399	450	454
Somma minuti d'ombra	0	436	1035	1066	150	0

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
 Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Shadow Flickering Analysis **WTG: 13 - Siemens Gamesa SG 6.0-170 6000 170.0 !O!** hub: 165.0 m (TOT: 250.0 m) (192) Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Assunzioni sui calcoli d'ombra

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
 4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
 437 192 40 16 67 346 208 192 120 99 425 524 2,665

: Soglia di cut-in dalla curva di potenza

	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	05:28 20:37	05:52 20:17	06:24 18:25-19:03/38 19:33	06:54 07:52-08:42/50 18:42	06:29 07:05	07:05 16:30
2	05:28 20:37	05:53 20:16	06:25 18:25-19:01/36 19:32	06:55 07:51-08:42/51 18:40	06:31 16:53	07:06 16:29
3	05:29 20:37	05:54 20:15	06:26 18:25-19:00/35 19:30	06:56 07:50-08:42/52 18:39	06:32 16:52	07:07 16:29
4	05:29 20:36	05:55 20:14	06:27 18:25-18:59/34 19:28	06:58 07:49-08:42/53 18:37	06:33 16:51	07:08 16:29
5	05:30 20:36	05:56 20:13	06:28 18:26-18:58/32 19:27	06:59 07:49-08:42/53 18:35	06:34 16:50	07:09 16:29
6	05:30 20:36	05:57 18:53-19:04/11 20:12	06:29 18:26-18:57/31 19:25	07:00 07:48-08:42/54 18:34	06:35 16:49	07:10 16:28
7	05:31 20:36	05:58 18:50-19:07/17 20:10	06:30 18:27-18:56/29 19:23	07:01 07:48-08:42/54 18:32	06:37 16:47	07:11 16:28
8	05:32 20:35	05:59 18:48-19:09/21 20:09	06:31 18:28-18:54/26 19:22	07:02 07:47-08:41/54 18:30	06:38 16:46	07:12 16:28
9	05:32 20:35	06:00 18:46-19:10/24 20:08	06:32 18:29-18:52/23 19:20	07:03 07:47-08:41/54 18:29	06:39 16:45	07:13 16:28
10	05:33 20:34	06:01 18:45-19:12/27 20:06	06:33 18:31-18:50/19 19:18	07:04 07:47-08:40/53 18:27	06:40 16:44	07:14 16:28
11	05:34 20:34	06:02 18:44-19:13/29 20:05	06:34 18:33-18:47/14 19:17	07:05 07:48-08:40/52 18:25	06:42 16:43	07:15 16:28
12	05:34 20:33	06:03 18:42-19:13/31 20:04	06:35 19:15	07:06 07:48-08:40/52 18:24	06:43 16:42	07:15 16:28
13	05:35 20:33	06:04 18:41-19:14/33 20:02	06:36 19:13	07:07 07:48-08:39/51 18:22	06:44 16:41	07:16 16:29
14	05:36 20:32	06:05 18:40-19:15/35 20:01	06:37 19:11	07:08 07:48-08:38/50 18:21	06:45 16:40	07:17 16:29
15	05:37 20:32	06:06 18:40-19:15/35 20:00	06:38 19:10	07:10 07:49-08:37/48 18:19	06:46 16:39	07:18 16:29
16	05:37 20:31	06:07 18:39-19:15/36 19:58	06:39 19:08	07:11 07:49-08:36/47 18:17	06:48 16:38	07:18 16:29
17	05:38 20:31	06:08 18:38-19:16/38 19:57	06:40 19:06	07:12 07:51-08:35/44 18:16	06:49 16:38	07:19 16:29
18	05:39 20:30	06:09 18:38-19:16/38 19:55	06:41 19:04	07:13 07:51-08:34/43 18:14	06:50 16:37	07:20 16:30
19	05:40 20:29	06:10 18:37-19:16/39 19:54	06:42 19:03	07:14 07:52-08:32/40 18:13	06:51 16:36	07:20 16:30
20	05:41 20:28	06:11 18:37-19:16/39 19:52	06:43 08:14-08:25/11 19:01	07:15 07:53-08:30/37 18:11	06:52 16:35	07:21 16:31
21	05:42 20:28	06:12 18:36-19:15/39 19:51	06:44 08:09-08:29/20 18:59	07:16 07:55-08:28/33 18:10	06:54 16:35	07:22 16:31
22	05:43 20:27	06:13 18:34-19:15/41 19:49	06:45 08:05-08:32/27 18:58	07:18 07:57-08:27/30 18:08	06:55 16:34	07:22 16:31
23	05:43 20:26	06:14 18:33-19:15/42 19:48	06:46 08:03-08:34/31 18:56	07:19 07:59-08:24/25 18:07	06:56 16:33	07:23 16:32
24	05:44 20:25	06:15 18:31-19:14/43 19:46	06:47 08:00-08:35/35 18:54	07:20 08:02-08:21/19 18:05	06:57 16:33	07:23 16:33
25	05:45 20:24	06:16 18:30-19:14/44 19:45	06:48 07:59-08:37/38 18:52	06:21 07:08-07:14/6 17:04	06:58 16:32	07:23 16:33
26	05:46 20:23	06:17 18:29-19:13/44 19:43	06:49 07:57-08:38/41 18:51	06:22 17:03	06:59 16:32	07:24 16:34
27	05:47 20:22	06:18 18:29-19:12/43 19:42	06:50 07:55-08:39/44 18:49	06:23 17:01	07:01 16:31	07:24 16:34
28	05:48 20:22	06:19 18:28-19:11/43 19:40	06:51 07:54-08:39/45 18:47	06:25 17:00	07:02 16:31	07:25 16:35
29	05:49 20:20	06:20 18:27-19:10/43 19:38	06:52 07:53-08:40/47 18:45	06:26 16:58	07:03 16:30	07:25 16:36
30	05:50 20:19	06:21 18:27-19:08/41 19:37	06:53 07:53-08:41/48 18:44	06:27 16:57	07:04 16:30	07:25 16:37
31	05:51 20:18	06:22 18:25-19:05/40 19:35		06:28 16:56		07:25 16:37
Ore potenziali eliofania	461	429	375	345	297	286
Somma minuti d'ombra	0	916	704	1105	0	0

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
 Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Shadow Flickering Analysis **WTG: 14 - Siemens Gamesa SG 6.0-170 6000 170.0 !O!** hub: 165.0 m (TOT: 250.0 m) (193)
Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Assunzioni sui calcoli d'ombra

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
437 192 40 16 67 346 208 192 120 99 425 524 2,665

: Soglia di cut-in dalla curva di potenza

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno
1	07:25 16:38	07:12 17:13	06:35 17:48	06:43 07:07-07:29/22 19:23	05:57 19:56	05:27 20:26
2	07:26 16:39	07:11 17:14	06:33 17:49	06:42 07:05-07:30/25 19:24	05:55 19:57	05:27 20:26
3	07:26 16:40	07:10 17:16	06:32 17:50	06:40 07:04-07:32/28 19:25	05:54 19:58	05:26 20:27
4	07:26 16:41	07:09 17:17	06:30 17:52	06:38 07:02-07:32/30 19:26	05:53 19:59	05:26 20:28
5	07:26 16:42	07:07 17:18	06:29 17:53	06:37 07:00-07:32/32 19:27	05:52 20:00	05:25 20:29
6	07:26 16:43	07:06 17:20	06:27 17:54	06:35 07:00-07:33/33 19:28	05:50 20:01	05:25 20:29
7	07:26 16:44	07:05 17:21	06:25 17:55	06:33 06:59-07:33/34 19:29	05:49 20:02	05:25 20:30
8	07:25 16:45	07:04 17:22	06:24 17:56	06:32 06:58-07:33/35 19:31	05:48 20:03	05:25 20:31
9	07:25 16:46	07:03 17:23	06:22 17:57	06:30 06:58-07:33/35 19:32	05:47 20:04	05:24 20:31
10	07:25 16:47	07:02 17:25	06:20 17:58	06:28 06:57-07:33/36 19:33	05:46 20:05	05:24 20:32
11	07:25 16:48	07:00 17:26	06:19 18:00	06:27 06:56-07:32/36 19:34	05:44 20:06	05:24 20:32
12	07:25 16:49	06:59 17:27	06:17 18:01	06:25 06:57-07:32/35 19:35	05:43 20:07	05:24 20:33
13	07:24 16:50	06:58 17:28	06:15 18:02	06:23 06:57-07:31/34 19:36	05:42 20:08	05:24 20:33
14	07:24 16:51	06:57 17:30	06:14 18:03	06:22 06:57-07:31/34 19:37	05:41 20:09	05:24 20:34
15	07:24 16:52	06:55 17:06-17:08/2 17:31	06:12 18:04	06:20 06:57-07:30/33 19:38	05:40 20:10	05:24 20:34
16	07:23 16:54	06:54 17:03-17:09/6 17:32	06:10 18:05	06:19 06:58-07:29/31 19:39	05:39 20:11	05:24 20:35
17	07:23 16:55	06:53 17:02-17:11/9 17:33	06:09 18:06	06:17 06:58-07:27/29 19:40	05:38 20:12	05:24 20:35
18	07:22 16:56	06:51 17:02-17:13/11 17:35	06:07 18:07	06:16 06:59-07:26/27 19:41	05:37 20:13	05:24 20:35
19	07:22 16:57	06:50 17:01-17:13/12 17:36	06:05 18:09	06:14 07:00-07:25/25 19:43	05:36 20:14	05:24 20:36
20	07:21 16:58	06:48 17:01-17:15/14 17:37	06:04 18:10	06:12 07:01-07:22/21 19:44	05:35 20:15	05:24 20:36
21	07:20 16:59	06:47 17:01-17:16/15 17:38	06:02 18:11	06:11 07:03-07:20/17 19:45	05:35 20:16	05:24 20:36
22	07:20 17:01	06:46 17:01-17:18/17 17:40	06:00 18:12	06:09 07:07-07:18/11 19:46	05:34 20:17	05:24 20:36
23	07:19 17:02	06:44 17:01-17:17/16 17:41	05:59 18:13	06:08 19:47	05:33 20:18	05:25 20:37
24	07:18 17:03	06:43 17:03-17:16/13 17:42	05:57 18:14	06:07 19:48	05:32 20:19	05:25 20:37
25	07:18 17:04	06:41 17:04-17:14/10 17:43	05:55 18:15	06:05 19:49	05:31 20:20	05:25 20:37
26	07:17 17:06	06:40 17:07-17:11/4 17:44	05:53 18:16	06:04 19:50	05:31 20:21	05:25 20:37
27	07:16 17:07	06:38 17:46	05:52 18:17	06:02 19:51	05:30 20:22	05:26 20:37
28	07:15 17:08	06:36 17:47	05:50 18:19	06:01 19:52	05:29 20:22	05:26 20:37
29	07:14 17:09		06:48 19:20	05:59 19:53	05:29 20:23	05:27 20:37
30	07:13 17:11		06:47 07:13-07:23/10 19:21	05:58 19:54	05:28 20:24	05:27 20:37
31	07:13 17:12		06:45 07:10-07:27/17 19:22		05:28 20:25	
Ore potenziali eliofania	296	296	369	399	450	454
Somma minuti d'ombra	0	129	27	643	0	0

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Shadow Flickering Analysis **WTG: 14 - Siemens Gamesa SG 6.0-170 6000 170.0 !O!** hub: 165.0 m (TOT: 250.0 m) (193)
 Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Assunzioni sui calcoli d'ombra

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
 4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
 437 192 40 16 67 346 208 192 120 99 425 524 2,665

: Soglia di cut-in dalla curva di potenza

	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	05:28 20:37	05:52 20:17	06:23 06:56-07:32/36 19:33	06:54 18:42	06:29 16:55	07:05 16:30
2	05:28 20:37	05:53 20:16	06:25 06:56-07:32/36 19:32	06:55 18:40	06:31 16:53	07:06 16:29
3	05:29 20:36	05:54 20:15	06:26 06:56-07:31/35 19:30	06:56 18:39	06:32 16:52	07:07 16:29
4	05:29 20:36	05:55 20:14	06:27 06:55-07:30/35 19:28	06:57 18:37	06:33 16:51	07:08 16:29
5	05:30 20:36	05:56 20:13	06:28 06:55-07:29/34 19:27	06:59 18:35	06:34 16:50	07:09 16:29
6	05:30 20:36	05:57 20:12	06:29 06:55-07:28/33 19:25	07:00 18:34	06:35 16:48	07:10 16:28
7	05:31 20:36	05:58 20:10	06:30 06:55-07:27/32 19:23	07:01 18:32	06:37 16:47	07:11 16:28
8	05:32 20:35	05:59 20:09	06:31 06:56-07:26/30 19:22	07:02 18:30	06:38 16:46	07:12 16:28
9	05:32 20:35	06:00 20:08	06:32 06:57-07:25/28 19:20	07:03 18:29	06:39 16:45	07:13 16:28
10	05:33 20:34	06:01 20:06	06:33 06:58-07:23/25 19:18	07:04 18:27	06:40 16:44	07:14 16:28
11	05:34 20:34	06:02 20:05	06:34 06:59-07:21/22 19:17	07:05 18:25	06:42 16:43	07:15 16:28
12	05:34 20:33	06:03 20:04	06:35 07:01-07:19/18 19:15	07:06 18:24	06:43 16:42	07:15 16:28
13	05:35 20:33	06:04 20:02	06:36 07:04-07:15/11 19:13	07:07 18:22	06:44 16:41	07:16 16:29
14	05:36 20:32	06:05 20:01	06:37 19:11	07:08 18:21	06:45 16:40	07:17 16:29
15	05:37 20:31	06:06 19:58	06:38 19:08	07:10 18:17	06:46 16:38	07:18 16:29
16	05:38 20:31	06:08 19:57	06:40 19:06	07:11 17:37-17:44/7 18:16	06:48 16:38	07:18 16:29
17	05:38 20:31	06:08 19:57	06:40 19:06	07:12 17:34-17:46/12 18:16	06:49 16:38	07:19 16:29
18	05:39 20:30	06:09 19:55	06:41 19:04	07:13 17:34-17:48/14 18:14	06:50 16:37	07:20 16:30
19	05:40 20:29	06:10 19:54	06:42 19:03	07:14 17:33-17:48/15 18:13	06:51 16:36	07:20 16:30
20	05:41 20:28	06:11 19:52	06:43 19:01	07:15 17:32-17:48/16 18:11	06:52 16:35	07:21 16:31
21	05:42 20:28	06:12 07:11-07:23/12 19:51	06:44 18:59	07:16 17:31-17:46/15 18:10	06:54 16:35	07:22 16:31
22	05:42 20:27	06:13 07:08-07:26/18 19:49	06:45 18:58	07:18 17:31-17:44/13 18:08	06:55 16:34	07:22 16:31
23	05:43 20:26	06:14 07:05-07:27/22 19:48	06:46 18:56	07:19 17:32-17:43/11 18:07	06:56 16:33	07:23 16:32
24	05:44 20:25	06:15 07:04-07:29/25 19:46	06:47 18:54	07:20 17:32-17:42/10 18:05	06:57 16:33	07:23 16:33
25	05:45 20:24	06:16 07:02-07:30/28 19:45	06:48 18:52	06:21 16:32-16:40/8 17:04	06:58 16:32	07:23 16:33
26	05:46 20:23	06:17 07:01-07:30/29 19:43	06:49 18:51	06:22 16:33-16:38/5 17:03	06:59 16:32	07:24 16:34
27	05:47 20:22	06:18 07:00-07:31/31 19:42	06:50 18:49	06:23 16:36-16:38/2 17:01	07:01 16:31	07:24 16:34
28	05:48 20:21	06:19 06:59-07:32/33 19:40	06:51 18:47	06:25 17:00	07:02 16:31	07:25 16:35
29	05:49 20:20	06:20 06:58-07:32/34 19:38	06:52 18:45	06:26 16:58	07:03 16:30	07:25 16:36
30	05:50 20:19	06:21 06:57-07:32/35 19:37	06:53 18:44	06:27 16:57	07:04 16:30	07:25 16:37
31	05:51 20:18	06:22 06:57-07:32/35 19:35		06:28 16:56		07:25 16:37
Ore potenziali eliofania	461	429	375	345	297	286
Somma minuti d'ombra	0	302	375	128	0	0

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
 Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Shadow Flickering Analysis **WTG: 15 - Siemens Gamesa SG 6.0-170 6000 170.0 !O!** hub: 165.0 m (TOT: 250.0 m) (194)
 Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
 4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
 437 192 40 16 67 346 208 192 120 99 425 524 2,665

: Soglia di cut-in dalla curva di potenza

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno
1	07:25 16:38	07:12 17:13	06:35 07:13-07:54/41 17:48	06:43 08:16-08:30/14 19:23	05:57 19:56	05:27 20:26
2	07:26 16:39	07:11 17:14	06:33 07:11-07:55/44 17:49	06:42 19:24	05:55 19:57	05:27 20:26
3	07:26 16:40	07:10 17:16	06:32 07:10-07:57/47 17:50	06:40 19:25	05:54 19:58	05:26 20:27
4	07:26 16:41	07:08 17:17	06:30 07:09-07:57/48 17:52	06:38 19:26	05:53 19:59	05:26 20:28
5	07:26 16:42	07:07 17:18	06:29 07:08-07:59/51 17:53	06:37 19:27	05:52 20:00	05:26 20:29
6	07:26 16:43	07:06 17:20	06:27 07:07-07:59/52 17:54	06:35 19:28	05:50 20:01	05:25 20:29
7	07:26 16:44	07:05 17:21	06:25 07:05-07:59/54 17:55	06:33 19:29	05:49 20:02	05:25 20:30
8	07:25 16:45	07:04 17:22	06:24 07:05-08:00/55 17:56	06:32 19:31	05:48 20:03	05:25 20:31
9	07:25 16:46	07:03 17:23	06:22 07:04-08:00/56 17:57	06:30 19:32	05:47 20:04	05:24 20:31
10	07:25 16:47	07:02 17:25	06:20 07:03-07:59/56 17:58	06:28 19:33	05:46 20:05	05:24 20:32
11	07:25 16:48	07:00 17:26	06:19 07:03-08:00/57 18:00	06:27 19:34	05:44 20:06	05:24 20:32
12	07:25 16:49	06:59 17:27	06:17 07:02-08:00/58 18:01	06:25 19:35	05:43 20:07	05:24 20:33
13	07:24 16:50	06:58 17:28	06:15 07:01-07:59/58 18:02	06:23 19:36	05:42 20:08	05:24 20:33
14	07:24 16:51	06:57 17:30	06:14 07:02-08:00/58 18:03	06:22 19:37	05:41 20:09	05:24 20:34
15	07:24 16:52	06:55 17:31	06:12 07:01-07:59/58 18:04	06:20 19:10-19:16/6 19:38	05:40 20:10	05:24 20:34
16	07:23 16:54	06:54 17:32	06:10 07:01-07:58/57 18:05	06:19 19:07-19:17/10 19:39	05:39 20:11	05:24 20:35
17	07:23 16:55	06:53 17:33	06:09 07:01-07:58/57 18:06	06:17 19:06-19:18/12 19:40	05:38 20:12	05:24 20:35
18	07:22 16:56	06:51 17:35	06:07 07:01-07:57/56 18:08	06:16 19:04-19:19/15 19:41	05:37 20:13	05:24 20:35
19	07:22 16:57	06:50 17:36	06:05 07:01-07:56/55 18:09	06:14 19:04-19:20/16 19:42	05:36 20:14	05:24 20:36
20	07:21 16:58	06:48 17:37	06:04 07:01-07:55/54 18:10	06:13 19:02-19:21/19 19:44	05:35 20:15	05:24 20:36
21	07:20 16:59	06:47 17:38	06:02 07:02-07:55/53 18:11	06:11 19:02-19:22/20 19:45	05:35 20:16	05:24 20:36
22	07:20 17:01	06:45 17:40	06:00 07:02-07:53/51 18:12	06:10 19:01-19:23/22 19:46	05:34 20:17	05:24 20:36
23	07:19 17:02	06:44 17:41	05:59 07:02-07:52/50 18:13	06:08 19:02-19:23/21 19:47	05:33 20:18	05:25 20:36
24	07:18 17:03	06:43 07:28-07:42/14 17:42	05:57 07:03-07:51/48 18:14	06:07 19:02-19:23/21 19:48	05:32 20:19	05:25 20:37
25	07:18 17:04	06:41 07:22-07:46/24 17:43	05:55 07:03-07:49/46 18:15	06:05 19:02-19:22/20 19:49	05:31 20:20	05:25 20:37
26	07:17 17:06	06:40 07:20-07:49/29 17:44	05:53 07:04-07:47/43 18:16	06:04 19:03-19:21/18 19:50	05:31 20:21	05:26 20:37
27	07:16 17:07	06:38 07:17-07:51/34 17:46	05:52 07:05-07:45/40 18:17	06:02 19:03-19:19/16 19:51	05:30 20:22	05:26 20:37
28	07:15 17:08	06:36 07:15-07:53/38 17:47	05:50 07:07-07:44/37 18:19	06:01 19:04-19:18/14 19:52	05:29 20:22	05:26 20:37
29	07:14 17:09		06:48 08:08-08:41/33 19:20	05:59 19:06-19:17/11 19:53	05:29 20:23	05:27 20:37
30	07:13 17:11		06:47 08:10-08:38/28 19:21	05:58 19:10-19:12/2 19:54	05:28 20:24	05:27 20:37
31	07:13 17:12		06:45 08:13-08:35/22 19:22		05:28 20:25	
Ore potenziali eliofania	296	296	369	399	450	454
Somma minuti d'ombra	0	139	1523	257	0	0

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
 Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Shadow Flickering Analysis **WTG: 15 - Siemens Gamesa SG 6.0-170 6000 170.0 !O!** hub: 165.0 m (TOT: 250.0 m) (194)
Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Assunzioni sui calcoli d'ombra

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
437 192 40 16 67 346 208 192 120 99 425 524 2,665

: Soglia di cut-in dalla curva di potenza

	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	05:28 20:37	05:52 20:17	06:24 19:33	06:54 07:42-08:39/57 18:42	06:29 16:55	07:05 16:30
2	05:28 20:37	05:53 20:16	06:25 19:32	06:55 07:42-08:39/57 18:40	06:31 16:53	07:06 16:29
3	05:29 20:36	05:54 20:15	06:26 19:30	06:56 07:41-08:38/57 18:39	06:32 16:52	07:07 16:29
4	05:29 20:36	05:55 20:14	06:27 19:28	06:57 07:41-08:38/57 18:37	06:33 16:51	07:08 16:29
5	05:30 20:36	05:56 20:13	06:28 19:27	06:59 07:41-08:37/56 18:35	06:34 16:50	07:09 16:29
6	05:30 20:36	05:57 20:11	06:29 19:25	07:00 07:42-08:36/54 18:34	06:35 16:49	07:10 16:28
7	05:31 20:35	05:58 20:10	06:30 19:23	07:01 07:42-08:35/53 18:32	06:37 16:47	07:11 16:28
8	05:32 20:35	05:59 20:09	06:31 19:22	07:02 07:42-08:34/52 18:30	06:38 16:46	07:12 16:28
9	05:32 20:35	06:00 20:08	06:32 19:20	07:03 07:43-08:32/49 18:29	06:39 16:45	07:13 16:28
10	05:33 20:34	06:01 20:06	06:33 19:18	07:04 07:43-08:31/48 18:27	06:40 16:44	07:14 16:28
11	05:34 20:34	06:02 20:05	06:34 08:09-08:22/13 19:17	07:05 07:45-08:31/46 18:25	06:41 16:43	07:14 16:28
12	05:34 20:33	06:03 20:04	06:35 08:04-08:26/22 19:15	07:06 07:46-08:29/43 18:24	06:43 16:42	07:15 16:28
13	05:35 20:33	06:04 19:17-19:22/5 20:02	06:36 08:01-08:29/28 19:13	07:07 07:47-08:27/40 18:22	06:44 16:41	07:16 16:29
14	05:36 20:32	06:05 19:14-19:25/11 20:01	06:37 07:59-08:31/32 19:11	07:08 07:49-08:25/36 18:21	06:45 16:40	07:17 16:29
15	05:37 20:32	06:06 19:12-19:26/14 20:00	06:38 07:56-08:33/37 19:10	07:10 07:50-08:22/32 18:19	06:46 16:39	07:18 16:29
16	05:37 20:31	06:07 19:10-19:27/17 19:58	06:39 07:54-08:34/40 19:08	07:11 07:52-08:19/27 18:17	06:48 16:38	07:18 16:29
17	05:38 20:31	06:08 19:09-19:28/19 19:57	06:40 07:53-08:35/42 19:06	07:12 07:56-08:17/21 18:16	06:49 16:38	07:19 16:29
18	05:39 20:30	06:09 19:09-19:28/19 19:55	06:41 07:51-08:36/45 19:04	07:13 08:02-08:11/9 18:14	06:50 16:37	07:20 16:30
19	05:40 20:29	06:10 19:08-19:29/21 19:54	06:42 07:50-08:37/47 19:03	07:14 18:13	06:51 16:36	07:20 16:30
20	05:41 20:28	06:11 19:08-19:29/21 19:52	06:43 07:48-08:38/50 19:01	07:15 18:11	06:52 16:35	07:21 16:31
21	05:42 20:28	06:12 19:07-19:28/21 19:51	06:44 07:47-08:38/51 18:59	07:16 18:10	06:54 16:35	07:21 16:31
22	05:43 20:27	06:13 19:07-19:27/20 19:49	06:45 07:46-08:39/53 18:58	07:17 18:08	06:55 16:34	07:22 16:32
23	05:43 20:26	06:14 19:07-19:25/18 19:48	06:46 07:45-08:39/54 18:56	07:19 18:07	06:56 16:33	07:23 16:32
24	05:44 20:25	06:15 19:07-19:24/17 19:46	06:47 07:44-08:39/55 18:54	07:20 18:05	06:57 16:33	07:23 16:33
25	05:45 20:24	06:16 19:08-19:22/14 19:45	06:48 07:44-08:39/55 18:52	06:21 17:04	06:58 16:32	07:23 16:33
26	05:46 20:23	06:17 19:09-19:21/12 19:43	06:49 07:43-08:40/57 18:51	06:22 17:03	06:59 16:32	07:24 16:34
27	05:47 20:22	06:18 19:10-19:19/9 19:41	06:50 07:42-08:39/57 18:49	06:23 17:01	07:00 16:31	07:24 16:34
28	05:48 20:21	06:19 19:13-19:18/5 19:40	06:51 07:42-08:39/57 18:47	06:25 17:00	07:02 16:31	07:24 16:35
29	05:49 20:20	06:20 19:38	06:52 07:41-08:39/58 18:45	06:26 16:58	07:03 16:30	07:25 16:36
30	05:50 20:19	06:21 19:37	06:53 07:42-08:40/58 18:44	06:27 16:57	07:04 16:30	07:25 16:37
31	05:51 20:18	06:22 19:35		06:28 16:56		07:25 16:37
Ore potenziali eliofania	461	429	375	345	297	286
Somma minuti d'ombra	0	243	911	794	0	0

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Shadow Flickering Analysis WTG: 16 - Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0 m) (195)
Assunzioni sui calcoli d'ombra Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
437 192 40 16 67 346 208 192 120 99 425 524 2,665
: Soglia di cut-in dalla curva di potenza

Table with columns for months (Gennaio to Dicembre) and rows for hours (1 to 31). Each cell contains a time range (hh:mm) or a numerical value representing potential shadow hours. Summary rows at the bottom show 'Ore potenziali eliofania' and 'Somma minuti d'ombra' for each month and a total.

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Shadow Flickering Analysis **WTG:** 17 - Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0 m) (196)
Assunzioni sui calcoli d'ombra Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
437 192 40 16 67 346 208 192 120 99 425 524 2,665

: Soglia di cut-in dalla curva di potenza

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno
1	07:25 11:25-12:04/39 16:38	07:12 07:32-07:52/20 17:13	06:35 17:48	06:43 19:23	05:57 19:56	05:27 05:50-06:17/27 20:26
2	07:26 11:26-12:04/38 16:39	07:11 07:31-07:52/21 17:14	06:33 17:49	06:42 19:24	05:55 19:57	05:27 05:50-06:18/28 20:26
3	07:26 11:28-12:03/35 16:40	07:10 07:31-07:52/21 17:16	06:32 17:50	06:40 19:25	05:54 19:58	05:26 05:50-06:18/28 20:27
4	07:26 11:29-12:03/34 16:41	07:08 07:31-07:52/21 17:17	06:30 17:51	06:38 19:26	05:53 19:59	05:26 05:50-06:19/29 20:28
5	07:26 11:31-12:02/31 16:42	07:07 07:32-07:52/20 17:18	06:29 17:53	06:37 19:27	05:51 20:00	05:25 05:50-06:19/29 20:29
6	07:26 11:34-12:00/26 16:43	07:06 07:32-07:51/19 17:20	06:27 17:54	06:35 19:28	05:50 20:01	05:25 05:50-06:19/29 20:29
7	07:26 11:37-11:58/21 16:44	07:05 07:33-07:50/17 17:21	06:25 17:55	06:33 19:29	05:49 20:02	05:25 05:50-06:19/29 20:30
8	07:25 11:41-11:56/15 16:45	07:04 07:34-07:50/16 17:22	06:24 17:56	06:32 19:30	05:48 20:03	05:25 05:50-06:20/30 20:31
9	07:25 16:46	07:03 07:36-07:48/12 17:23	06:22 17:57	06:30 19:32	05:47 20:04	05:24 05:50-06:20/30 20:31
10	07:25 16:47	07:02 07:38-07:46/8 17:25	06:20 17:58	06:28 19:33	05:46 20:05	05:24 05:50-06:20/30 20:32
11	07:25 16:48	07:00 17:26	06:19 18:00	06:27 19:34	05:44 20:06	05:24 05:50-06:20/30 20:32
12	07:25 16:49	06:59 17:27	06:17 18:01	06:25 19:35	05:43 20:07	05:24 05:50-06:20/30 20:33
13	07:24 16:50	06:58 17:28	06:15 18:02	06:23 19:36	05:42 20:08	05:24 05:51-06:21/30 20:33
14	07:24 16:51	06:57 17:30	06:14 18:03	06:22 19:37	05:41 20:09	05:24 05:51-06:21/30 20:34
15	07:24 16:52	06:55 17:31	06:12 18:04	06:20 19:38	05:40 20:10	05:24 05:51-06:21/30 20:34
16	07:23 16:54	06:54 17:32	06:10 18:05	06:19 19:39	05:39 20:11	05:24 05:51-06:21/30 20:35
17	07:23 16:55	06:53 17:33	06:09 18:06	06:17 19:40	05:38 20:12	05:24 05:51-06:21/30 20:35
18	07:22 16:56	06:51 17:35	06:07 18:07	06:16 19:41	05:37 20:13	05:24 05:51-06:21/30 20:35
19	07:22 16:57	06:50 17:36	06:05 18:09	06:14 19:42	05:36 20:14	05:24 05:52-06:22/30 20:36
20	07:21 16:58	06:48 17:37	06:04 18:10	06:12 19:44	05:35 06:01-06:04/3 20:15	05:24 05:52-06:23/31 20:36
21	07:20 16:59	06:47 17:38	06:02 18:11	06:11 19:45	05:35 05:57-06:07/10 20:16	05:24 05:52-06:23/31 20:36
22	07:20 17:01	06:45 17:40	06:00 18:12	06:09 19:46	05:34 05:56-06:10/14 20:17	05:24 05:52-06:23/31 20:36
23	07:19 17:02	06:44 17:41	05:59 18:13	06:08 19:47	05:33 05:54-06:11/17 20:18	05:25 05:52-06:23/31 20:36
24	07:18 07:39-07:40/1 17:03	06:43 17:42	05:57 18:14	06:07 19:48	05:32 05:53-06:12/19 20:19	05:25 05:53-06:23/30 20:37
25	07:18 07:38-07:44/6 17:04	06:41 17:43	05:55 18:15	06:05 19:49	05:31 05:53-06:14/21 20:20	05:25 05:53-06:23/30 20:37
26	07:17 07:38-07:47/9 17:06	06:40 17:44	05:53 18:16	06:04 19:50	05:31 05:52-06:14/22 20:21	05:25 05:53-06:23/30 20:37
27	07:16 07:37-07:48/11 17:07	06:38 17:46	05:52 18:17	06:02 19:51	05:30 05:51-06:14/23 20:22	05:26 05:54-06:24/30 20:37
28	07:15 07:36-07:49/13 17:08	06:36 17:47	05:50 18:18	06:01 19:52	05:29 05:51-06:16/25 20:22	05:26 05:54-06:24/30 20:37
29	07:14 07:35-07:50/15 17:09		06:48 19:20	05:59 19:53	05:29 05:50-06:16/26 20:23	05:27 05:55-06:25/30 20:37
30	07:13 07:34-07:50/16 17:11		06:47 19:21	05:58 19:54	05:28 05:50-06:17/27 20:24	05:27 05:54-06:24/30 20:37
31	07:13 07:33-07:51/18 17:12		06:45 19:22		05:28 05:50-06:17/27 20:25	
Ore potenziali eliofania	296	296	369	399	450	454
Somma minuti d'ombra	328	175	0	0	234	893

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Shadow Flickering Analysis **WTG: 17 - Siemens Gamesa SG 6.0-170 6000 170.0 !O!** hub: 165.0 m (TOT: 250.0 m) (196)
Assunzioni sui calcoli d'ombra Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
437 192 40 16 67 346 208 192 120 99 425 524 2,665

: Soglia di cut-in dalla curva di potenza

	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	05:28 05:54-06:24/30 20:37	05:52 20:17	06:23 19:33	06:54 18:42	06:29 07:06-07:16/10 16:55	07:05 16:29
2	05:28 05:55-06:25/30 20:37	05:53 20:16	06:24 19:32	06:55 18:40	06:31 07:05-07:19/14 16:53	07:06 16:29
3	05:29 05:56-06:25/29 20:36	05:54 20:15	06:26 19:30	06:56 18:39	06:32 07:03-07:20/17 16:52	07:07 16:29
4	05:29 05:55-06:25/30 20:36	05:55 20:14	06:27 19:28	06:57 18:37	06:33 07:02-07:20/18 16:51	07:08 11:25-11:39/14 16:29
5	05:30 05:56-06:26/30 20:36	05:56 20:13	06:28 19:27	06:59 18:35	06:34 07:01-07:21/20 16:50	07:09 11:22-11:43/21 16:29
6	05:30 05:56-06:25/29 20:36	05:57 20:11	06:29 19:25	07:00 18:34	06:35 07:02-07:22/20 16:48	07:10 11:20-11:46/26 16:28
7	05:31 05:56-06:26/30 20:35	05:58 20:10	06:30 19:23	07:01 18:32	06:37 07:01-07:22/21 16:47	07:11 11:19-11:48/29 16:28
8	05:32 05:56-06:25/29 20:35	05:59 20:09	06:31 19:22	07:02 18:30	06:38 07:01-07:22/21 16:46	07:12 11:18-11:50/32 16:28
9	05:32 05:57-06:25/28 20:35	06:00 20:08	06:32 19:20	07:03 18:29	06:39 07:02-07:23/21 16:45	07:13 11:17-11:52/35 16:28
10	05:33 05:57-06:26/29 20:34	06:01 20:06	06:33 19:18	07:04 18:27	06:40 07:03-07:22/19 16:44	07:14 11:16-11:54/38 16:28
11	05:34 05:57-06:25/28 20:34	06:02 20:05	06:34 19:17	07:05 18:25	06:41 07:04-07:22/18 16:43	07:14 11:15-11:54/39 16:28
12	05:34 05:58-06:25/27 20:33	06:03 20:04	06:35 19:15	07:06 18:24	06:43 07:06-07:22/16 16:42	07:15 11:15-11:56/41 16:28
13	05:35 05:58-06:25/27 20:33	06:04 20:02	06:36 19:13	07:07 18:22	06:44 07:07-07:22/15 16:41	07:16 11:15-11:57/42 16:29
14	05:36 05:59-06:25/26 20:32	06:05 20:01	06:37 19:11	07:08 18:21	06:45 07:08-07:21/13 16:40	07:17 11:15-11:59/44 16:29
15	05:37 05:59-06:24/25 20:32	06:06 20:00	06:38 19:10	07:09 18:19	06:46 07:09-07:20/11 16:39	07:18 11:15-12:00/45 16:29
16	05:37 06:00-06:24/24 20:31	06:07 19:58	06:39 19:08	07:11 18:17	06:48 07:11-07:19/8 16:38	07:18 11:15-12:00/45 16:29
17	05:38 06:01-06:24/23 20:31	06:08 19:57	06:40 19:06	07:12 18:16	06:49 07:12-07:18/6 16:38	07:19 11:15-12:01/46 16:29
18	05:39 06:02-06:23/21 20:30	06:09 19:55	06:41 19:04	07:13 18:14	06:50 07:13-07:14/1 16:37	07:20 11:16-12:02/46 16:30
19	05:40 06:03-06:23/20 20:29	06:10 19:54	06:42 19:03	07:14 18:13	06:51 16:36	07:20 11:15-12:02/47 16:30
20	05:41 06:04-06:22/18 20:28	06:11 19:52	06:43 19:01	07:15 18:11	06:52 16:35	07:21 11:16-12:03/47 16:31
21	05:42 06:04-06:20/16 20:28	06:12 19:51	06:44 18:59	07:16 18:10	06:54 16:35	07:21 11:16-12:03/47 16:31
22	05:42 06:06-06:19/13 20:27	06:13 19:49	06:45 18:58	07:17 18:08	06:55 16:34	07:22 11:17-12:04/47 16:31
23	05:43 06:09-06:17/8 20:26	06:14 19:48	06:46 18:56	07:19 18:07	06:56 16:33	07:23 11:17-12:04/47 16:32
24	05:44 20:25	06:15 19:46	06:47 18:54	07:20 18:05	06:57 16:33	07:23 11:17-12:04/47 16:33
25	05:45 20:24	06:16 19:45	06:48 18:52	06:21 17:04	06:58 16:32	07:23 11:18-12:05/47 16:33
26	05:46 20:23	06:17 19:43	06:49 18:51	06:22 17:03	06:59 16:32	07:24 11:19-12:05/46 16:34
27	05:47 20:22	06:18 19:41	06:50 18:49	06:23 17:01	07:00 16:31	07:24 11:19-12:05/46 16:34
28	05:48 20:21	06:19 19:40	06:51 18:47	06:25 17:00	07:02 16:31	07:24 11:21-12:06/45 16:35
29	05:49 20:20	06:20 19:38	06:52 18:45	06:26 16:58	07:03 16:30	07:25 11:22-12:06/44 16:36
30	05:50 20:19	06:21 19:37	06:53 18:44	06:27 16:57	07:04 16:30	07:25 11:23-12:05/42 16:37
31	05:51 20:18	06:22 19:35		06:28 16:56		07:25 11:23-12:05/42 16:37
Ore potenziali eliofania	461	429	375	345	297	286
Somma minuti d'ombra	570	0	0	0	269	1137

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Shadow Flickering Analysis WTG: 18 - Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0 m) (197)
 Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen	Feb	Mar	Apr	Mag	Giu	Lug	Ago	Set	Ott	Nov	Dic
4.12	4.66	5.30	6.72	8.25	9.35	10.16	9.45	7.64	5.82	4.65	3.82

Tempo di operatività

N	NNE	ENE	E	ESE	SSE	S	SSO	OSO	O	ONO	NNO	Somma
437	192	40	16	67	346	208	192	120	99	425	524	2,665

: Soglia di cut-in dalla curva di potenza

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre				
1	07:25	07:12	06:35	06:43	05:57	06:30-07:23/53	05:27	05:27	05:52	06:42-07:22/40	06:23	06:56-07:15/19	06:54	06:29	07:05	
	16:38	17:13	17:48	19:23	19:55	20:26	20:26	20:37	20:17	19:33	18:42	16:54	16:29			
2	07:26	07:11	06:33	06:42	05:55	06:30-07:23/53	05:27	05:28	05:53	06:42-07:24/42	06:24	06:59-07:10/11	06:55	06:30	07:06	
	16:39	17:14	17:49	19:24	19:57	20:27	20:26	20:37	20:16	19:32	18:40	16:53	16:29			
3	07:26	07:09	06:32	06:40	05:54	06:30-07:22/52	05:26	05:28	05:54	06:41-07:25/44	06:25		06:56	06:32	07:07	
	16:40	17:16	17:50	19:25	19:58	20:27	20:26	20:36	20:15	19:30	18:39	16:52	16:29			
4	07:26	07:08	06:30	06:38	05:53	06:29-07:21/52	05:26	05:29	05:55	06:41-07:26/45	06:26		06:57	06:33	07:08	
	16:41	17:17	17:51	19:26	19:59	20:28	20:28	20:36	20:14	19:28	18:37	16:51	16:29			
5	07:26	07:07	06:29	06:37	05:51	06:29-07:20/51	05:25	05:30	05:56	06:40-07:27/47	06:27		06:58	06:34	07:09	
	16:42	17:18	17:53	19:27	20:00	20:29	20:29	20:36	20:13	19:27	18:35	16:50	16:28			
6	07:26	07:06	06:27	06:35	05:50	06:30-07:19/49	05:25	05:30	05:57	06:40-07:28/48	06:29		07:00	06:35	07:10	
	16:43	17:19	17:54	19:28	20:01	20:29	20:29	20:36	20:11	19:25	18:34	16:48	16:28			
7	07:26	07:05	06:25	06:33	05:49	06:30-07:18/48	05:25	05:31	05:58	06:39-07:29/50	06:30		07:01	06:37	07:11	
	16:44	17:21	17:55	19:29	20:02	20:30	20:30	20:35	20:10	19:23	18:32	16:47	16:28			
8	07:25	07:04	06:24	06:32	05:48	06:31-07:17/46	05:25	05:31	05:59	06:39-07/30/51	06:31		07:02	06:38	07:12	
	16:45	17:22	17:56	19:30	20:03	20:30	20:30	20:35	20:09	19:22	18:30	16:46	16:28			
9	07:25	07:03	06:22	06:30	05:47	06:31-07:16/45	05:24	05:32	06:00	06:39-07/30/51	06:32		07:03	06:39	07:13	
	16:46	17:23	17:57	19:32	20:04	20:31	20:31	20:35	20:08	19:20	18:29	16:45	16:28			
10	07:25	07:02	06:20	06:28	07:01-07:12/11	05:45	06:32-07:15/43	05:24	05:33	06:01	06:39-07/31/52	06:33		07:04	06:40	07:14
	16:47	17:25	17:58	19:33	20:05	20:32	20:32	20:34	20:06	19:18	18:27	16:44	16:28			
11	07:25	07:00	06:19	06:27	06:56-07:16/20	05:44	06:31-07:13/42	05:24	05:33	06:02	06:39-07/31/52	06:34		07:05	06:41	07:14
	16:48	17:26	18:00	19:34	20:06	20:32	20:32	20:34	20:05	19:16	18:25	16:43	16:28			
12	07:25	06:59	06:17	06:25	06:54-07:19/25	05:43	06:32-07:11/39	05:24	05:34	06:03	06:38-07:32/54	06:35		07:06	06:43	07:15
	16:49	17:27	18:01	19:35	20:07	20:33	20:33	20:34	20:04	19:15	18:24	16:42	16:28			
13	07:24	06:58	06:15	06:23	06:51-07:20/29	05:42	06:32-07:09/37	05:24	05:35	06:04	06:38-07:32/54	06:36		07:07	06:44	07:16
	16:50	17:28	18:02	19:36	20:08	20:33	20:33	20:33	20:02	19:13	18:22	16:41	16:28			
14	07:24	06:57	06:14	06:22	06:50-07:22/32	05:41	06:33-07:06/33	05:24	05:36	06:05	06:39-07:32/53	06:37		07:08	06:45	07:17
	16:51	17:30	18:03	19:37	20:09	20:34	20:34	20:32	20:01	19:11	18:20	16:40	16:29			
15	07:23	06:55	06:12	06:20	06:48-07:23/35	05:40	06:35-07:05/30	05:24	05:37	06:06	06:39-07:32/53	06:38		07:09	06:46	07:18
	16:52	17:31	18:04	19:38	20:10	20:34	20:34	20:32	20:00	19:10	18:19	16:39	16:29			
16	07:23	06:54	06:10	06:19	06:46-07:23/37	05:39	06:36-07:04/28	05:24	05:37	06:07	06:39-07:32/53	06:39		07:11	06:48	07:18
	16:53	17:32	18:05	19:39	20:11	20:35	20:35	20:31	19:58	19:08	18:17	16:38	16:29			
17	07:23	06:53	06:09	06:17	06:45-07:24/39	05:38	06:37-07:03/26	05:24	05:38	06:08	06:39-07:32/53	06:40		07:12	06:49	07:19
	16:55	17:33	18:06	19:40	20:12	20:35	20:35	20:31	19:57	19:06	18:16	16:38	16:29			
18	07:22	06:51	06:07	06:16	06:43-07:24/41	05:37	06:38-07:01/23	05:24	05:39	06:09	06:40-07:32/52	06:41		07:13	06:50	07:20
	16:56	17:35	18:07	19:41	20:13	20:35	20:35	20:30	19:55	19:04	18:14	16:37	16:30			
19	07:22	06:50	06:05	06:14	06:41-07:25/44	05:36	06:39-07:00/21	05:24	05:40	06:10	06:40-07:32/52	06:42		07:14	06:51	07:20
	16:57	17:36	18:09	19:42	20:14	20:36	20:36	20:29	19:54	19:03	18:13	16:36	16:30			
20	07:21	06:48	06:04	06:12	06:39-07:25/46	05:35	06:41-06:58/17	05:24	05:41	06:11	06:41-07:31/50	06:43		07:15	06:52	07:21
	16:58	17:37	18:10	19:44	20:15	20:36	20:36	20:28	19:52	19:01	18:11	16:35	16:30			
21	07:20	06:47	06:02	06:11	06:38-07:26/48	05:34	06:43-06:56/13	05:24	05:42	06:12	06:42-07:31/49	06:44		07:16	06:54	07:21
	16:59	17:38	18:11	19:45	20:16	20:36	20:36	20:28	19:51	18:59	18:10	16:34	16:31			
22	07:20	06:45	06:00	06:09	06:36-07:25/49	05:34	06:48-06:52/4	05:24	05:42	06:13	06:43-07/30/47	06:45		07:17	06:55	07:22
	17:01	17:39	18:12	19:46	20:17	20:36	20:36	20:27	19:49	18:57	18:08	16:34	16:31			
23	07:19	06:44	05:59	06:08	06:35-07:26/51	05:33	05:25	05:43	06:53-07:07/14	06:14	06:44-07/30/46	06:46		07:19	06:56	07:22
	17:02	17:41	18:13	19:47	20:18	20:36	20:36	20:26	19:48	18:56	18:07	16:33	16:32			
24	07:18	06:42	05:57	06:06	06:34-07:26/52	05:32	05:25	05:44	06:51-07:09/18	06:15	06:46-07:29/43	06:47		07:20	06:57	07:23
	17:03	17:42	18:14	19:48	20:19	20:37	20:37	20:25	19:46	18:54	18:05	16:33	16:32			
25	07:18	06:41	05:55	06:05	06:33-07:25/52	05:31	05:25	05:45	06:49-07:11/22	06:16	06:48-07:28/40	06:48		06:21	06:58	07:23
	17:04	17:43	18:15	19:49	20:20	20:37	20:37	20:24	19:45	18:52	17:04	16:32	16:33			
26	07:17	06:39	05:53	06:04	06:32-07:25/53	05:31	05:25	05:46	06:48-07:13/25	06:17	06:48-07:27/39	06:49		06:22	06:59	07:24
	17:05	17:44	18:16	19:50	20:21	20:37	20:37	20:23	19:43	18:51	17:02	16:31	16:34			
27	07:16	06:38	05:52	06:02	06:31-07:25/54	05:30	05:26	05:47	06:47-07:14/27	06:18	06:49-07:26/37	06:50		06:23	07:00	07:24
	17:07	17:46	18:17	19:51	20:22	20:37	20:37	20:22	19:41	18:49	17:01	16:31	16:34			
28	07:15	06:36	05:50	06:01	06:31-07:25/54	05:29	05:26	05:48	06:46-07:15/29	06:19	06:50-07:24/34	06:51		06:24	07:02	07:24
	17:08	17:47	18:18	19:52	20:22	20:37	20:37	20:21	19:40	18:47	17:00	16:31	16:35			
29	07:14		06:48	05:59	06:31-07:24/53	05:29	05:27	05:49	06:44-07:15/31	06:20	06:51-07:23/32	06:52		06:26	07:03	07:25
	17:09		19:20	19:53	20:23	20:37	20:37	20:20	19:38	18:45	16:58	16:30	16:36			
30	07:13		06:47	05:58	06:30-07:23/53	05:28	05:27	05:50	06:43-07:18/35	06:21	06:52-07:21/29	06:53		06:27	07:04	07:25
	17:11		19:21	19:54	20:24	20:37	20:37	20:19	19:37	18:44	16:57	16:30	16:36			
31	07:12		06:45		05:28			05:51	06:43-07:20/37	06:22	06:53-07:18/25			06:28		07:25
	17:12		19:22		20:25			20:18	19:35		16:56		16:37			
Ore potenziali eliofania	296	296	369	399	450	454	461	429	375	30	345	297	286			
Somma minuti d'ombra	0	0	0	878	805	0	247	1417	0	0	0	0	0			

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
 Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Shadow Flickering Analysis **WTG: 19 - Siemens Gamesa SG 6.0-170 6000 170.0 !O!** hub: 165.0 m (TOT: 250.0 m) (198)
 Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
 4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
 437 192 40 16 67 346 208 192 120 99 425 524 2,665

: Soglia di cut-in dalla curva di potenza

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno
1	07:25 16:38	07:12 17:13	06:35 06:54-07:09/15 17:48	06:43 19:23	05:57 18:44-19:22/38 19:55	05:27 20:26
2	07:26 16:39	07:11 17:14	06:33 06:52-07:10/18 17:49	06:42 19:24	05:55 18:44-19:23/39 19:57	05:27 20:26
3	07:26 16:40	07:09 17:16	06:32 06:51-07:12/21 17:50	06:40 19:25	05:54 18:44-19:23/39 19:58	05:26 20:27
4	07:26 16:41	07:08 17:17	06:30 06:49-07:12/23 17:51	06:38 19:26	05:53 18:43-19:22/39 19:59	05:26 20:28
5	07:26 16:42	07:07 17:18	06:29 06:48-07:13/25 17:53	06:37 19:27	05:52 18:43-19:23/40 20:00	05:26 20:29
6	07:26 16:43	07:06 17:20	06:27 06:47-07:12/25 17:54	06:35 19:28	05:50 18:43-19:23/40 20:01	05:25 20:29
7	07:26 16:44	07:05 17:21	06:25 06:46-07:12/26 17:55	06:33 19:29	05:49 18:43-19:23/40 20:02	05:25 20:30
8	07:25 16:45	07:04 17:22	06:24 06:47-07:12/25 17:56	06:32 19:30	05:48 18:43-19:23/40 20:03	05:25 20:30
9	07:25 16:46	07:03 17:23	06:22 06:47-07:12/25 17:57	06:30 19:32	05:47 18:43-19:23/40 20:04	05:24 20:31
10	07:25 16:47	07:02 17:25	06:20 06:46-07:10/24 17:58	06:28 19:33	05:46 18:44-19:22/38 20:05	05:24 20:32
11	07:25 16:48	07:00 17:26	06:19 06:47-07:10/23 18:00	06:27 19:34	05:44 18:43-19:21/38 20:06	05:24 20:32
12	07:25 16:49	06:59 17:27	06:17 06:48-07:09/21 18:01	06:25 19:35	05:43 18:44-19:21/37 20:07	05:24 20:33
13	07:24 16:50	06:58 17:28	06:15 06:49-07:07/18 18:02	06:23 19:36	05:42 18:44-19:20/36 20:08	05:24 20:33
14	07:24 16:51	06:57 17:30	06:14 06:51-07:05/14 18:03	06:22 19:37	05:41 18:44-19:20/36 20:09	05:24 20:34
15	07:23 16:52	06:55 17:31	06:12 06:53-07:01/8 18:04	06:20 19:38	05:40 18:45-19:19/34 20:10	05:24 20:34
16	07:23 16:53	06:54 17:32	06:10 18:05	06:19 19:39	05:39 18:47-19:19/32 20:11	05:24 20:34
17	07:23 16:55	06:53 17:33	06:09 18:06	06:17 19:40	05:38 18:47-19:19/32 20:12	05:24 20:35
18	07:22 16:56	06:51 17:35	06:07 18:07	06:16 19:41	05:37 18:48-19:18/30 20:13	05:24 20:35
19	07:22 16:57	06:50 17:36	06:05 18:09	06:14 19:42	05:36 18:49-19:17/28 20:14	05:24 20:36
20	07:21 16:58	06:48 17:37	06:04 18:10	06:12 19:44	05:35 18:49-19:16/27 20:15	05:24 20:36
21	07:20 16:59	06:47 17:38	06:02 18:11	06:11 18:59-19:11/12 19:45	05:35 18:50-19:15/25 20:16	05:24 20:36
22	07:20 17:01	06:45 17:40	06:00 18:12	06:09 18:55-19:14/19 19:46	05:34 18:52-19:14/22 20:17	05:24 20:36
23	07:19 17:02	06:44 17:41	05:59 18:13	06:08 18:53-19:16/23 19:47	05:33 18:53-19:13/20 20:18	05:25 20:36
24	07:18 17:03	06:43 17:42	05:57 18:14	06:07 18:51-19:18/27 19:48	05:32 18:55-19:11/16 20:19	05:25 20:37
25	07:18 17:04	06:41 17:43	05:55 18:15	06:05 18:49-19:19/30 19:49	05:31 18:57-19:10/13 20:20	05:25 20:37
26	07:17 17:06	06:39 17:44	05:53 18:16	06:04 18:48-19:20/32 19:50	05:31 19:00-19:07/7 20:21	05:25 20:37
27	07:16 17:07	06:38 07:00-07:02/2 17:46	05:52 18:17	06:02 18:47-19:20/33 19:51	05:30 20:22	05:26 20:37
28	07:15 17:08	06:36 06:56-07:07/11 17:47	05:50 18:18	06:01 18:46-19:21/35 19:52	05:29 20:22	05:26 20:37
29	07:14 17:09		06:48 19:20	05:59 18:46-19:22/36 19:53	05:29 20:23	05:27 20:37
30	07:13 17:11		06:47 19:21	05:58 18:44-19:22/38 19:54	05:28 20:24	05:27 20:37
31	07:12 17:12		06:45 19:22		05:28 20:25	
Ore potenziali eliofania	296	296	369	399	450	454
Somma minuti d'ombra	0	13	311	285	826	0

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
 Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Shadow Flickering Analysis **WTG:** 19 - Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0 m) (198)
 Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
 4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
 437 192 40 16 67 346 208 192 120 99 425 524 2,665

: Soglia di cut-in dalla curva di potenza

	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	05:28 20:37	05:52 18:54-19:31/37 20:17	06:23 19:33	06:54 07:28-07:48/20 18:42	06:29 16:55	07:05 16:30
2	05:28 20:37	05:53 18:54-19:32/38 20:16	06:24 19:32	06:55 07:26-07:48/22 18:40	06:30 16:53	07:06 16:29
3	05:29 20:36	05:54 18:53-19:32/39 20:15	06:26 19:30	06:56 07:25-07:49/24 18:39	06:32 16:52	07:07 16:29
4	05:29 20:36	05:55 18:53-19:32/39 20:14	06:27 19:28	06:57 07:24-07:49/25 18:37	06:33 16:51	07:08 16:29
5	05:30 20:36	05:56 18:53-19:32/39 20:13	06:28 19:27	06:59 07:24-07:49/25 18:35	06:34 16:50	07:09 16:29
6	05:30 20:36	05:57 18:53-19:32/39 20:11	06:29 19:25	07:00 07:23-07:49/26 18:34	06:35 16:48	07:10 16:28
7	05:31 20:35	05:58 18:52-19:32/40 20:10	06:30 19:23	07:01 07:23-07:48/25 18:32	06:37 16:47	07:11 16:28
8	05:32 20:35	05:59 18:52-19:32/40 20:09	06:31 19:22	07:02 07:23-07:48/25 18:30	06:38 16:46	07:12 16:28
9	05:32 20:35	06:00 18:52-19:32/40 20:08	06:32 19:20	07:03 07:23-07:47/24 18:29	06:39 16:45	07:13 16:28
10	05:33 20:34	06:01 18:52-19:32/40 20:06	06:33 19:18	07:04 07:24-07:46/22 18:27	06:40 16:44	07:14 16:28
11	05:34 20:34	06:02 18:53-19:31/38 20:05	06:34 19:17	07:05 07:26-07:45/19 18:25	06:41 16:43	07:14 16:28
12	05:34 20:33	06:03 18:53-19:31/38 20:04	06:35 19:15	07:06 07:27-07:44/17 18:24	06:43 16:42	07:15 16:28
13	05:35 20:33	06:04 18:53-19:30/37 20:02	06:36 19:13	07:07 07:28-07:42/14 18:22	06:44 16:41	07:16 16:29
14	05:36 20:32	06:05 18:53-19:30/37 20:01	06:37 19:11	07:08 07:29-07:39/10 18:21	06:45 16:40	07:17 16:29
15	05:37 20:32	06:06 18:54-19:29/35 20:00	06:38 19:10	07:09 18:19	06:46 16:39	07:18 16:29
16	05:37 20:31	06:07 18:55-19:28/33 19:58	06:39 19:08	07:11 18:17	06:48 16:38	07:18 16:29
17	05:38 20:31	06:08 18:55-19:27/32 19:57	06:40 19:06	07:12 18:16	06:49 16:38	07:19 16:29
18	05:39 19:08-19:18/10 20:30	06:09 18:56-19:25/29 19:55	06:41 19:04	07:13 18:14	06:50 16:37	07:20 16:30
19	05:40 19:06-19:21/15 20:29	06:10 18:57-19:24/27 19:54	06:42 19:03	07:14 18:13	06:51 16:36	07:20 16:30
20	05:41 19:04-19:22/18 20:28	06:11 18:59-19:22/23 19:52	06:43 19:01	07:15 18:11	06:52 16:35	07:21 16:31
21	05:42 19:02-19:23/21 20:28	06:12 19:01-19:19/18 19:51	06:44 18:59	07:16 18:10	06:53 16:35	07:21 16:31
22	05:42 19:01-19:25/24 20:27	06:13 19:04-19:15/11 19:49	06:45 18:57	07:17 18:08	06:55 16:34	07:22 16:31
23	05:43 19:00-19:26/26 20:26	06:14 19:48	06:46 18:56	07:19 18:07	06:56 16:33	07:22 16:32
24	05:44 19:00-19:27/27 20:25	06:15 19:46	06:47 18:54	07:20 18:05	06:57 16:33	07:23 16:33
25	05:45 18:59-19:28/29 20:24	06:16 19:45	06:48 18:52	06:21 17:04	06:58 16:32	07:23 16:33
26	05:46 18:58-19:29/31 20:23	06:17 19:43	06:49 18:51	06:22 17:03	06:59 16:32	07:24 16:34
27	05:47 18:58-19:30/32 20:22	06:18 19:41	06:50 18:49	06:23 17:01	07:00 16:31	07:24 16:34
28	05:48 18:56-19:29/33 20:21	06:19 19:40	06:51 07:36-07:39/3 18:47	06:24 17:00	07:02 16:31	07:24 16:35
29	05:49 18:55-19:30/35 20:20	06:20 19:38	06:52 07:31-07:44/13 18:45	06:26 16:58	07:03 16:30	07:25 16:36
30	05:50 18:55-19:31/36 20:19	06:21 19:37	06:53 07:30-07:47/17 18:44	06:27 16:57	07:04 16:30	07:25 16:37
31	05:51 18:54-19:31/37 20:18	06:22 19:35		06:28 16:56		07:25 16:37
Ore potenziali eliofania	461	429	375	345	297	286
Somma minuti d'ombra	374	749	33	298	0	0

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
 Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Shadow Flickering Analysis WTG: 20 - Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0 m) (199)
Assunzioni sui calcoli d'ombra Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
437 192 40 16 67 346 208 192 120 99 425 524 2,665

: Soglia di cut-in dalla curva di potenza

Table with 13 columns: Gennaio, Febbraio, Marzo, Aprile, Maggio, Giugno, Luglio, Agosto, Settembre, Ottobre, Novembre, Dicembre. Rows contain hourly data for 31 days, including start/end times and potential shadow hours.

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Shadow Flickering Analysis **WTG: 21 - Siemens Gamesa SG 6.0-170 6000 170.0 !O!** hub: 165.0 m (TOT: 250.0 m) (200) Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Assunzioni sui calcoli d'ombra

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
437 192 40 16 67 346 208 192 120 99 425 524 2,665
: Soglia di cut-in dalla curva di potenza

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre		
1	07:25	07:11	07:32-07:49/17	06:35	06:43	05:57	05:27	05:27	05:52	06:23	06:54	06:29	06:51-07:23/32	07:05
	16:38	17:13		17:48	19:23	19:55	20:26	20:37	20:17	19:33	18:42	16:54		16:29
2	07:25	07:10	07:31-07:51/20	06:33	06:42	05:55	05:27	05:28	05:53	06:24	06:55	06:30	06:52-07:23/31	07:06
	16:39	17:14		17:49	19:24	19:57	20:26	20:37	20:16	19:32	18:40	16:53		16:29
3	07:26	07:09	07:30-07:52/22	06:32	06:40	05:54	05:26	05:28	05:54	06:25	06:56	06:32	06:54-07:24/30	07:07
	16:40	17:16		17:50	19:25	19:58	20:27	20:36	20:15	19:30	18:39	16:52		16:29
4	07:26	07:08	07:29-07:53/24	06:30	06:38	05:53	05:26	05:29	05:55	06:26	06:57	06:33	06:55-07:23/28	07:08
	16:41	17:17		17:51	19:26	19:59	20:28	20:36	20:14	19:28	18:37	16:51		16:29
5	07:26	07:07	07:27-07:52/25	06:28	06:36	05:51	05:25	05:30	05:56	06:27	06:58	06:34	06:57-07:23/26	07:09
	16:42	17:18		17:53	19:27	20:00	20:29	20:36	20:13	19:27	18:35	16:50		16:28
6	07:26	07:06	07:27-07:53/26	06:27	06:35	05:50	05:25	05:30	05:57	06:29	07:00	06:35	06:58-07:23/25	07:10
	16:43	17:19		17:54	19:28	20:01	20:29	20:36	20:11	19:25	18:34	16:48		16:28
7	07:25	07:05	07:25-07:53/28	06:25	06:33	05:49	05:25	05:31	05:58	06:30	07:01	06:37	06:59-07:22/23	07:11
	16:44	17:21		17:55	19:29	20:02	20:30	20:35	20:10	19:23	18:32	16:47		16:28
8	07:25	07:04	07:24-07:54/30	06:24	06:32	05:48	05:25	05:31	05:59	06:31	07:02	06:38	07:00-07:21/21	07:12
	16:45	17:22		17:56	19:30	20:03	20:30	20:35	20:09	19:22	18:30	16:46		16:28
9	07:25	07:03	07:23-07:54/31	06:22	06:30	05:47	05:24	05:32	06:00	06:32	07:03	06:39	07:02-07:21/19	07:13
	16:46	17:23		17:57	19:32	20:04	20:31	20:35	20:08	19:20	18:29	16:45		16:28
10	07:25	07:02	07:21-07:53/32	06:20	06:28	05:45	05:24	05:33	06:01	06:33	07:04	06:40	07:03-07:20/17	07:14
	16:47	17:25		17:58	19:33	20:05	20:32	20:34	20:06	19:18	18:27	16:44		16:28
11	07:25	07:00	07:20-07:53/33	06:19	06:27	05:44	05:24	05:33	06:02	06:34	07:05	06:41	07:04-07:18/14	07:14
	16:48	17:26		18:00	19:34	20:06	20:32	20:34	20:05	19:16	18:25	16:43		16:28
12	07:24	06:59	07:19-07:53/34	06:17	06:25	05:43	05:24	05:34	06:03	06:35	07:06	06:43	07:05-07:16/11	07:15
	16:49	17:27		18:01	19:35	20:07	20:33	20:33	20:04	19:15	18:24	16:42		16:28
13	07:24	06:58	07:19-07:53/34	06:15	06:23	05:42	05:24	05:35	06:04	06:36	07:07	06:44	07:08-07:14/6	07:16
	16:50	17:28		18:02	19:36	20:08	20:33	20:33	20:02	19:13	18:22	16:41		16:28
14	07:24	06:57	07:18-07:51/33	06:14	06:22	05:41	05:24	05:36	06:05	06:37	07:08	06:45		07:17
	16:51	17:30		18:03	19:37	20:09	20:34	20:32	20:01	19:11	18:20	16:40		16:29
15	07:23	06:55	07:18-07:51/33	06:12	06:20	05:40	05:24	05:37	06:06	06:38	07:09	06:46		07:18
	16:52	17:31		18:04	19:38	20:10	20:34	20:32	20:00	19:10	18:19	16:39		16:29
16	07:23	06:54	07:18-07:49/31	06:10	06:19	05:39	05:24	05:37	06:07	06:39	07:11	06:47		07:18
	16:53	17:32		18:05	19:39	20:11	20:34	20:31	19:58	19:08	18:17	16:38		16:29
17	07:23	06:52	07:18-07:47/29	06:09	06:17	05:38	05:24	05:38	06:08	06:40	07:12	06:49		07:19
	16:55	17:33		18:06	19:40	20:12	20:35	20:30	19:57	19:06	18:16	16:37		16:29
18	07:22	06:51	07:19-07:43/24	06:07	06:15	05:37	05:24	05:39	06:09	06:41	07:13	07:58-08:06/8	06:50	07:20
	16:56	17:35		18:07	19:41	20:13	20:35	20:30	19:55	19:04	18:14	16:37		16:30
19	07:22	06:50	07:19-07:42/23	06:05	06:14	05:36	05:24	05:40	06:10	06:42	07:14	07:54-08:09/15	06:51	07:20
	16:57	17:36		18:09	19:42	20:14	20:35	20:29	19:54	19:03	18:13	16:36		16:30
20	07:21	06:48	07:20-07:42/22	06:04	06:12	05:35	05:24	05:41	06:11	06:43	07:15	07:52-08:10/18	06:52	07:21
	16:58	17:37		18:10	19:43	20:15	20:36	20:28	19:52	19:01	18:11	16:35		16:30
21	07:20	06:47	07:20-07:40/20	06:02	06:11	05:34	05:24	05:42	06:12	06:44	07:16	07:51-08:11/20	06:53	07:21
	16:59	17:38		18:11	19:45	20:16	20:36	20:28	19:51	18:59	18:10	16:34		16:31
22	07:20	06:45	07:22-07:39/17	06:00	06:09	05:34	05:24	05:42	06:13	06:45	07:17	07:50-08:13/23	06:55	07:22
	17:01	17:39		18:12	19:46	20:17	20:36	20:27	19:49	18:57	18:08	16:34		16:31
23	07:19	06:44	07:24-07:36/12	05:58	06:08	05:33	05:25	05:43	06:14	06:46	07:19	07:49-08:13/24	06:56	07:22
	17:02	17:41		18:13	19:47	20:18	20:36	20:26	19:48	18:56	18:07	16:33		16:32
24	07:18	06:42	07:28-07:33/5	05:57	06:06	05:32	05:25	05:44	06:15	06:47	07:20	07:48-08:14/26	06:57	07:23
	17:03	17:42		18:14	19:48	20:19	20:37	20:25	19:46	18:54	18:05	16:33		16:32
25	07:18	06:41		05:55	06:05	05:31	05:25	05:45	06:16	06:48	06:21	06:48-07:17/29	06:58	07:23
	17:04	17:43		18:15	19:49	20:20	20:37	20:24	19:45	18:52	17:04	16:32		16:33
26	07:17	06:39		05:53	06:04	05:31	05:25	05:46	06:17	06:49	06:22	06:47-07:19/32	06:59	07:24
	17:05	17:44		18:16	19:50	20:21	20:37	20:23	19:43	18:51	17:02	16:31		16:34
27	07:16	06:38		05:52	06:02	05:30	05:26	05:47	06:18	06:50	06:23	06:48-07:21/33	07:00	07:24
	17:07	17:46		18:17	19:51	20:21	20:37	20:22	19:41	18:49	17:01	16:31		16:34
28	07:15	06:36		05:50	06:01	05:29	05:26	05:48	06:19	06:51	06:24	06:48-07:21/33	07:02	07:24
	17:08		17:47	18:18	19:52	20:22	20:37	20:21	19:40	18:47	17:00	16:31		16:35
29	07:14	07:36-07:43/7		06:48	05:59	05:29	05:27	05:49	06:20	06:52	06:26	06:48-07:22/34	07:03	07:25
	17:09			19:20	19:53	20:23	20:37	20:20	19:38	18:45	16:58	16:30		16:36
30	07:13	07:34-07:46/12		06:47	05:58	05:28	05:27	05:50	06:21	06:53	06:27	06:49-07:23/34	07:04	07:25
	17:11			19:21	19:54	20:24	20:37	20:19	19:37	18:44	16:57	16:30		16:36
31	07:12	07:33-07:48/15		06:45		05:28		05:51	06:22		06:28	06:50-07:23/33		07:25
	17:12			19:22		20:25		20:18	19:35		16:56			16:37
Ore potenziali eliofania	296	296	369	399	450	454	461	429	375	345	297	283		286
Somma minuti d'ombra	34	605	0	0	0	0	0	0	0	362	0	0		0

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Shadow Flickering Analysis **WTG: 22 - Siemens Gamesa SG 6.0-170 6000 170.0 !O!** hub: 165.0 m (TOT: 250.0 m) (201)
Assunzioni sui calcoli d'ombra Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
437 192 40 16 67 346 208 192 120 99 425 524 2,665

: Soglia di cut-in dalla curva di potenza

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno
1	07:25 16:38	07:12 17:13	06:35 17:48	06:43 19:23	18:12-18:45/33 19:56	05:57 20:26
2	07:26 16:39	07:11 17:14	06:33 17:49	06:42 19:24	18:13-18:43/30 19:57	05:55 20:26
3	07:26 16:40	07:10 17:16	06:32 17:50	06:40 19:25	18:13-18:42/29 19:58	05:54 20:27
4	07:26 16:41	07:08 17:17	06:30 17:51	06:38 19:26	18:14-18:41/27 19:59	05:53 20:28
5	07:26 16:42	07:07 17:18	06:29 17:53	06:37 19:27	18:15-18:39/24 20:00	05:51 20:29
6	07:26 16:43	07:06 17:19	06:27 17:54	06:35 19:28	18:16-18:36/20 20:01	05:50 20:29
7	07:26 16:44	07:05 17:21	06:25 17:55	06:33 19:29	18:19-18:34/15 20:02	05:49 20:30
8	07:25 16:45	07:04 17:22	06:24 17:56	06:32 19:30	18:24-18:29/5 20:03	05:48 20:31
9	07:25 16:46	07:03 17:23	06:22 17:57	06:30 19:32	05:47 20:04	06:08-06:24/16 20:31
10	07:25 16:47	07:02 17:25	06:20 17:58	06:28 19:33	05:45 20:05	06:09-06:23/14 20:32
11	07:25 16:48	07:00 17:26	06:19 18:00	06:27 19:34	05:44 20:06	06:10-06:22/12 20:32
12	07:25 16:49	06:59 17:27	06:17 18:01	06:25 19:35	05:43 20:07	06:11-06:21/10 20:33
13	07:24 16:50	06:58 17:28	06:15 18:02	06:23 19:36	05:42 20:08	06:14-06:19/5 20:33
14	07:24 16:51	06:57 17:30	06:14 18:03	06:22 19:37	05:41 20:09	20:34
15	07:24 16:52	06:55 17:31	06:12 18:04	06:20 19:38	05:40 20:10	20:34
16	07:23 16:53	06:54 17:32	06:10 18:05	06:19 19:39	05:39 20:11	20:35
17	07:23 16:55	06:53 17:33	06:09 18:06	06:17 19:40	05:38 20:12	20:35
18	07:22 16:56	06:51 17:35	06:07 18:07	06:16 19:41	05:37 20:13	20:35
19	07:22 16:57	06:50 17:36	06:05 18:09	06:14 19:42	05:36 20:14	20:36
20	07:21 16:58	06:48 17:37	06:04 18:10	06:12 19:44	05:35 20:15	20:36
21	07:20 16:59	06:47 17:38	06:02 18:11	06:11 19:45	05:34 20:16	20:36
22	07:20 17:01	06:45 17:39	06:00 18:12	06:09 19:46	05:34 20:17	20:36
23	07:19 17:02	06:44 17:41	05:59 18:13	06:08 19:47	05:33 20:18	20:37
24	07:18 17:03	06:43 17:42	05:57 18:14	06:06 19:48	05:32 20:19	20:37
25	07:18 17:04	06:41 17:43	05:55 18:15	06:05 19:49	05:31 20:20	20:37
26	07:17 17:06	06:40 17:44	05:53 18:16	06:04 19:50	05:31 20:21	20:37
27	07:16 17:07	06:38 17:46	05:52 18:17	06:02 19:51	05:30 20:22	20:37
28	07:15 17:08	06:36 17:47	05:50 18:18	06:01 19:52	05:29 20:22	20:37
29	07:14 17:09		06:48 19:20	05:59 19:53	18:12-18:47/35 20:23	05:29 20:37
30	07:13 17:11		06:47 19:21	05:58 19:54	18:12-18:46/34 20:24	05:28 20:37
31	07:13 17:12		06:45 19:22		18:12-18:46/34 20:25	05:28 20:37
Ore potenziali eliofania	296	296	369	399	450	454
Somma minuti d'ombra	0	0	437	191	160	0

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Shadow Flickering Analysis **WTG: 22 - Siemens Gamesa SG 6.0-170 6000 170.0 !O!** hub: 165.0 m (TOT: 250.0 m) (201)
 Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
 4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
 437 192 40 16 67 346 208 192 120 99 425 524 2,665

: Soglia di cut-in dalla curva di potenza

	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	05:27 20:37	05:52 06:20-06:31/11 20:17	06:23 19:33	06:54 18:42	06:29 16:54	07:05 16:29
2	05:28 20:37	05:53 06:19-06:32/13 20:16	06:24 19:32	06:55 18:40	06:31 16:53	07:06 16:29
3	05:28 20:36	05:54 06:18-06:33/15 20:15	06:25 19:30	06:56 18:39	06:32 16:52	07:07 16:29
4	05:29 20:36	05:55 06:18-06:34/16 20:14	06:26 19:28	18:21-18:26/5 18:37	06:57 16:51	06:33 16:29
5	05:30 20:36	05:56 06:18-06:34/16 20:13	06:28 19:27	18:16-18:30/14 18:35	06:59 16:50	06:34 16:28
6	05:30 20:36	05:57 06:19-06:34/15 20:11	06:29 19:25	18:13-18:32/19 18:34	07:00 16:48	06:35 16:28
7	05:31 20:35	05:58 06:20-06:35/15 20:10	06:30 19:23	18:10-18:34/24 18:32	07:01 16:47	06:37 16:28
8	05:31 20:35	05:59 06:21-06:34/13 20:09	06:31 19:22	18:09-18:35/26 18:30	07:02 16:46	06:38 16:28
9	05:32 20:35	06:00 06:22-06:34/12 20:08	06:32 19:20	18:07-18:36/29 18:29	07:03 16:45	06:39 16:28
10	05:33 20:34	06:01 06:23-06:34/11 20:06	06:33 19:18	18:06-18:36/30 18:27	07:04 16:44	06:40 16:28
11	05:33 20:34	06:02 06:24-06:33/9 20:05	06:34 19:17	18:05-18:37/32 18:25	07:05 16:43	06:41 16:28
12	05:34 20:33	06:03 06:25-06:32/7 20:04	06:35 19:15	18:04-18:37/33 18:24	07:06 16:42	06:43 16:28
13	05:35 20:33	06:04 06:26-06:31/5 20:02	06:36 19:13	18:03-18:37/34 18:22	07:07 16:41	06:44 16:28
14	05:36 20:32	06:05 06:27-06:29/2 20:01	06:37 19:11	18:02-18:37/35 18:20	07:08 16:40	06:45 16:29
15	05:37 20:32	06:06 20:00	06:38 19:10	18:02-18:37/35 18:19	07:09 16:39	06:46 16:29
16	05:37 20:31	06:07 19:58	06:39 19:08	18:01-18:36/35 18:17	07:11 16:38	06:48 16:29
17	05:38 20:31	06:08 19:57	06:40 19:06	18:01-18:36/35 18:16	07:12 16:38	06:49 16:29
18	05:39 20:30	06:09 19:55	06:41 19:04	18:01-18:35/34 18:14	07:13 16:37	06:50 16:30
19	05:40 20:29	06:10 19:54	06:42 19:03	18:01-18:34/33 18:13	07:14 16:36	06:51 16:30
20	05:41 20:28	06:11 19:52	06:43 19:01	18:01-18:33/32 18:11	07:15 16:35	06:52 16:30
21	05:42 20:28	06:12 19:51	06:44 18:59	18:01-18:32/31 18:10	07:16 16:34	06:54 16:31
22	05:42 20:27	06:13 19:49	06:45 18:57	18:02-18:31/29 18:08	07:17 16:34	06:55 16:31
23	05:43 20:26	06:14 19:48	06:46 18:56	18:03-18:29/26 18:07	07:19 16:33	06:56 16:32
24	05:44 20:25	06:15 19:46	06:47 18:54	18:04-18:27/23 18:05	07:20 16:33	06:57 16:32
25	05:45 20:24	06:16 19:45	06:48 18:52	18:06-18:25/19 17:04	06:21 16:32	06:58 16:33
26	05:46 20:23	06:17 19:43	06:49 18:51	18:09-18:21/12 17:02	06:22 16:31	06:59 16:34
27	05:47 20:22	06:18 19:41	06:50 18:49	06:23 17:01	07:00 16:31	07:24 16:34
28	05:48 20:21	06:19 19:40	06:51 18:47	06:25 17:00	07:02 16:31	07:24 16:35
29	05:49 20:20	06:20 19:38	06:52 18:45	06:26 16:58	07:03 16:30	07:25 16:36
30	05:50 20:19	06:21 19:37	06:53 18:44	06:27 16:57	07:04 16:30	07:25 16:36
31	05:51 20:18	06:22 19:35	06:22 18:44	06:28 16:56	06:28 16:37	07:25 16:37
Ore potenziali eliofania	461	429	375	345	297	286
Somma minuti d'ombra	7	160	625	0	0	0

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
 Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Shadow Flickering Analysis **WTG: 23 - Siemens Gamesa SG 6.0-170 6000 170.0 !O!** hub: 165.0 m (TOT: 250.0 m) (202)
 Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Assunzioni sui calcoli d'ombra

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
 4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
 437 192 40 16 67 346 208 192 120 99 425 524 2,665

: Soglia di cut-in dalla curva di potenza

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	07:26 16:38	07:12 17:13	06:35 17:48	06:43 18:34-19:00/26 19:23	05:57 19:56	05:27 20:26	05:28 20:37	05:52 20:18	06:24 18:38-18:49/11 19:34	06:55 18:42	06:30 16:55	07:05 16:30
2	07:26 16:39	07:11 17:15	06:34 17:49	06:42 18:34-19:00/26 19:24	05:55 19:57	05:27 20:27	05:28 20:37	05:53 20:16	06:25 18:36-18:51/15 19:32	06:56 18:41	06:31 16:53	07:06 16:29
3	07:26 16:40	07:10 17:16	06:32 17:51	06:40 18:34-19:00/26 19:25	05:54 19:58	05:26 20:28	05:29 20:37	05:54 20:15	06:26 18:34-18:53/19 19:30	06:57 18:39	06:32 16:52	07:07 16:29
4	07:26 16:41	07:09 17:17	06:30 17:52	06:38 18:33-19:00/27 19:26	05:53 19:59	05:26 20:28	05:29 20:37	05:55 20:14	06:27 18:32-18:54/22 19:29	06:58 18:37	06:33 16:51	07:08 16:29
5	07:26 16:42	07:08 17:18	06:29 17:53	06:37 18:33-18:59/26 19:27	05:52 20:00	05:26 20:29	05:30 20:36	05:56 20:13	06:28 18:31-18:54/23 19:27	06:59 18:35	06:34 16:50	07:09 16:29
6	07:26 16:43	07:07 17:20	06:27 17:54	06:35 18:34-18:59/25 19:29	05:50 20:01	05:25 20:30	05:30 20:36	05:57 20:12	06:29 18:29-18:54/25 19:25	07:00 18:34	06:36 16:49	07:10 16:28
7	07:26 16:44	07:05 17:21	06:26 17:55	06:33 18:34-18:57/23 19:30	05:49 20:02	05:25 20:30	05:31 20:36	05:58 20:11	06:30 18:28-18:54/26 19:24	07:01 18:32	06:37 16:47	07:11 16:28
8	07:26 16:45	07:04 17:22	06:24 17:56	06:32 18:34-18:56/22 19:31	05:48 20:03	05:25 20:31	05:32 20:35	05:59 20:09	06:31 18:27-18:54/27 19:22	07:02 18:30	06:38 16:46	07:12 16:28
9	07:26 16:46	07:03 17:23	06:22 17:57	06:30 18:36-18:55/19 19:32	05:47 20:04	05:24 20:31	05:32 20:35	06:00 20:08	06:32 18:27-18:53/26 19:20	07:03 18:29	06:39 16:45	07:13 16:28
10	07:25 16:47	07:02 17:25	06:21 17:59	06:28 18:37-18:52/15 19:33	05:46 20:05	05:24 20:32	05:33 20:35	06:01 20:07	06:33 18:27-18:53/26 19:19	07:04 18:27	06:41 16:44	07:14 16:28
11	07:25 16:48	07:01 17:26	06:19 18:00	06:27 18:39-18:49/10 19:34	05:44 20:06	05:24 20:33	05:34 20:34	06:02 20:05	06:34 18:27-18:52/25 19:17	07:05 18:26	06:42 16:43	07:15 16:28
12	07:25 16:49	06:59 17:27	06:17 18:01	06:25 19:35	05:43 20:08	05:24 20:33	05:34 20:34	06:03 20:04	06:35 18:27-18:52/25 19:15	07:06 18:24	06:43 16:42	07:16 16:28
13	07:25 16:50	06:58 17:29	06:16 18:02	06:24 19:36	05:42 20:09	05:24 20:34	05:35 20:33	06:04 20:03	06:36 18:27-18:50/23 19:13	07:08 18:22	06:44 16:41	07:16 16:29
14	07:24 16:51	06:57 17:30	06:14 18:03	06:22 19:37	05:41 20:10	05:24 20:34	05:36 20:33	06:05 20:01	06:37 18:28-18:49/21 19:12	07:09 18:21	06:45 16:40	07:17 16:29
15	07:24 16:52	06:56 17:31	06:12 18:04	06:20 19:38	05:40 20:11	05:24 20:35	05:37 20:32	06:06 20:00	06:38 18:28-18:47/19 19:10	07:10 18:19	06:47 16:39	07:18 16:29
16	07:23 16:54	06:54 17:32	06:11 18:05	06:19 19:39	05:39 20:12	05:24 20:35	05:37 20:32	06:07 19:58	06:39 18:30-18:45/15 19:08	07:11 18:18	06:48 16:39	07:19 16:29
17	07:23 16:55	06:53 17:34	06:09 18:07	06:17 19:41	05:38 20:13	05:24 20:35	05:38 20:31	06:08 19:57	06:40 18:32-18:42/10 19:06	07:12 18:16	06:49 16:38	07:19 16:30
18	07:22 16:56	06:51 17:35	06:07 18:08	06:16 19:42	05:37 20:14	05:24 20:36	05:39 20:30	06:09 19:56	06:41 19:05	07:13 18:14	06:50 16:37	07:20 16:30
19	07:22 16:57	06:50 17:36	06:06 18:09	06:14 19:43	05:36 20:15	05:24 20:36	05:40 20:30	06:10 19:54	06:42 19:03	07:14 18:13	06:51 16:36	07:21 16:30
20	07:21 16:58	06:49 17:37	06:04 18:10	06:13 19:44	05:36 20:16	05:24 20:36	05:41 20:29	06:11 19:53	06:43 19:01	07:15 18:11	06:53 16:35	07:21 16:31
21	07:21 17:00	06:47 17:38	06:02 18:11	06:11 19:45	05:35 20:16	05:24 20:36	05:42 20:28	06:12 19:51	06:44 18:59	07:17 18:10	06:54 16:35	07:22 16:31
22	07:20 17:01	06:46 17:40	06:00 18:12	06:10 19:46	05:34 20:17	05:24 20:37	05:43 20:27	06:13 19:50	06:45 18:58	07:18 18:08	06:55 16:34	07:22 16:32
23	07:19 17:02	06:44 17:41	05:59 18:13	06:08 19:47	05:33 20:18	05:25 20:37	05:43 20:26	06:14 19:48	06:46 18:56	07:19 18:07	06:56 16:33	07:23 16:32
24	07:19 17:03	06:43 17:42	05:57 18:14	06:07 19:48	05:32 20:19	05:25 20:37	05:44 20:26	06:15 19:46	06:47 18:54	07:20 18:06	06:57 16:33	07:23 16:33
25	07:18 17:04	06:41 17:43	05:55 18:15	06:05 19:49	05:32 20:20	05:25 20:37	05:45 20:25	06:16 19:45	06:48 18:53	06:21 17:04	06:59 16:32	07:24 16:33
26	07:17 17:06	06:40 17:45	05:54 18:17	06:04 19:50	05:31 20:21	05:26 20:37	05:46 20:24	06:17 19:43	06:49 18:51	06:22 17:03	07:00 16:32	07:24 16:34
27	07:16 17:07	06:38 17:46	05:52 18:18	06:02 19:51	05:30 20:22	05:26 20:37	05:47 20:23	06:19 19:42	06:50 18:49	06:24 17:01	07:01 16:31	07:25 16:34
28	07:16 17:08	06:37 17:47	05:50 18:19	06:01 19:53	05:29 20:23	05:26 20:37	05:48 20:22	06:20 19:40	06:51 18:47	06:25 17:00	07:02 16:31	07:25 16:35
29	07:15 17:09		06:49 18:37-18:58/21	06:00 19:54	05:29 20:24	05:27 20:37	05:49 20:21	06:21 19:39	06:52 18:46	06:26 16:59	07:03 16:30	07:25 16:36
30	07:14 17:11		06:47 18:36-18:59/23	05:58 19:55	05:28 20:24	05:27 20:37	05:50 20:20	06:22 19:37	06:53 18:44	06:27 16:57	07:04 16:30	07:25 16:37
31	07:13 17:12		06:45 18:36-19:00/24		05:28 20:25		05:51 20:19	06:23 19:35		06:28 16:56		07:26 16:37
Ore potenziali eliofania	296	296	369	399	450	454	461	429	375	345	297	286
Somma minuti d'ombra	0	0	110	245	0	0	0	0	358	0	0	0

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
 Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Shadow Flickering Analysis **WTG:** 24 - Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0 m) (203)
Assunzioni sui calcoli d'ombra Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
437 192 40 16 67 346 208 192 120 99 425 524 2,665

: Soglia di cut-in dalla curva di potenza

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno
1	07:26 16:38	07:12 15:54-16:33/39 17:13	06:35 17:48	06:43 19:23	05:57 06:16-06:30/14 19:56	05:27 20:26
2	07:26 16:39	07:11 15:55-16:33/38 17:15	06:34 17:49	06:42 19:24	05:55 06:15-06:29/14 19:57	05:27 20:27
3	07:26 16:40	07:10 15:55-16:33/38 17:16	06:32 17:50	06:40 19:25	05:54 06:14-06:28/14 19:58	05:26 20:27
4	07:26 16:41	07:09 15:56-16:33/37 17:17	06:30 17:52	06:38 19:26	05:53 06:13-06:27/14 19:59	05:26 20:28
5	07:26 16:42	07:08 15:56-16:33/37 17:18	06:29 17:53	06:37 19:27	05:52 06:11-06:26/15 20:00	05:26 20:29
6	07:26 16:43	07:07 15:57-16:33/36 17:20	06:27 17:54	06:35 19:29	05:50 06:10-06:26/16 20:01	05:25 20:30
7	07:26 16:44	07:05 15:57-16:31/34 17:21	06:26 17:55	06:33 19:30	05:49 06:09-06:26/17 20:02	05:25 20:30
8	07:26 16:45	07:04 15:58-16:31/33 17:22	06:24 17:56	06:32 19:31	05:48 06:08-06:26/18 20:03	05:25 20:31
9	07:26 16:46	07:03 15:59-16:30/31 17:23	06:22 17:57	06:30 19:32	05:47 06:08-06:26/18 20:04	05:24 20:31
10	07:25 16:47	07:02 16:01-16:29/28 17:25	06:21 17:59	06:28 19:33	05:46 06:08-06:25/17 20:05	05:24 20:32
11	07:25 16:03-16:12/9 16:48	07:01 16:01-16:28/27 17:26	06:19 18:00	06:27 19:34	05:44 06:09-06:24/15 20:06	05:24 20:33
12	07:25 16:02-16:15/13 16:49	06:59 16:03-16:26/23 17:27	06:17 18:01	06:25 19:35	05:43 06:10-06:23/13 20:07	05:24 20:33
13	07:25 16:00-16:16/16 16:50	06:58 16:06-16:25/19 17:29	06:16 18:02	06:24 19:36	05:42 06:12-06:21/9 20:09	05:24 20:34
14	07:24 15:59-16:18/19 16:51	06:57 16:08-16:21/13 17:30	06:14 18:03	06:22 19:37	05:41 06:15-06:19/4 20:10	05:24 20:34
15	07:24 15:58-16:19/21 16:52	06:56 17:31	06:12 18:04	06:20 19:38	05:40 20:11	05:24 20:34
16	07:23 15:57-16:21/24 16:54	06:54 17:32	06:11 18:05	06:19 19:39	05:39 20:12	05:24 20:35
17	07:23 15:56-16:22/26 16:55	06:53 17:34	06:09 18:07	06:17 19:41	05:38 20:13	05:24 20:35
18	07:22 15:56-16:24/28 16:56	06:51 17:35	06:07 18:08	06:16 19:42	05:37 20:14	05:24 20:36
19	07:22 15:56-16:25/29 16:57	06:50 17:36	06:06 18:09	06:14 19:43	05:36 20:15	05:24 20:36
20	07:21 15:55-16:26/31 16:58	06:49 17:37	06:04 18:10	06:13 19:44	05:35 20:15	05:24 20:36
21	07:21 15:55-16:27/32 17:00	06:47 17:38	06:02 18:11	06:11 19:45	05:35 20:16	05:24 20:36
22	07:20 15:55-16:28/33 17:01	06:46 17:40	06:00 18:12	06:10 19:46	05:34 20:17	05:24 20:37
23	07:19 15:54-16:28/34 17:02	06:44 17:41	05:59 18:13	06:08 06:27-06:29/2 19:47	05:33 20:18	05:25 20:37
24	07:19 15:54-16:29/35 17:03	06:43 17:42	05:57 18:14	06:07 06:26-06:31/5 19:48	05:32 20:19	05:25 20:37
25	07:18 15:54-16:30/36 17:04	06:41 17:43	05:55 18:15	06:05 06:24-06:31/7 19:49	05:32 20:20	05:25 20:37
26	07:17 15:54-16:31/37 17:06	06:40 17:45	05:54 18:17	06:04 06:23-06:31/8 19:50	05:31 20:21	05:26 20:37
27	07:16 15:54-16:31/37 17:07	06:38 17:46	05:52 18:18	06:02 06:22-06:32/10 19:51	05:30 20:22	05:26 20:37
28	07:15 15:54-16:32/38 17:08	06:37 17:47	05:50 18:19	06:01 06:20-06:31/11 19:53	05:29 20:23	05:26 20:37
29	07:15 15:54-16:32/38 17:09		06:49 19:20	06:00 06:19-06:31/12 19:54	05:29 20:24	05:27 20:37
30	07:14 15:54-16:32/38 17:11		06:47 19:21	05:58 06:18-06:31/13 19:55	05:28 20:24	05:27 20:37
31	07:13 15:54-16:33/39 17:12		06:45 19:22		05:28 20:25	
Ore potenziali eliofania	296	296	369	399	450	454
Somma minuti d'ombra	613	433	0	68	198	0

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
Tramonto (hh:mm)Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Shadow Flickering Analysis **WTG: 24 - Siemens Gamesa SG 6.0-170 6000 170.0 !O!** hub: 165.0 m (TOT: 250.0 m) (203)
Assunzioni sui calcoli d'ombra Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
437 192 40 16 67 346 208 192 120 99 425 524 2,665

: Soglia di cut-in dalla curva di potenza

	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	05:28 20:37	05:52 06:20-06:33/13 20:18	06:24 19:34	06:54 18:42	06:30 15:29-15:58/29 16:55	07:05 15:45-15:54/9 16:30
2	05:28 20:37	05:53 06:19-06:34/15 20:16	06:25 19:32	06:56 18:40	06:31 15:29-16:00/31 16:53	07:06 16:29
3	05:29 20:37	05:54 06:18-06:35/17 20:15	06:26 19:30	06:57 18:39	06:32 15:28-16:01/33 16:52	07:07 16:29
4	05:29 20:37	05:55 06:17-06:35/18 20:14	06:27 19:29	06:58 18:37	06:33 15:27-16:01/34 16:51	07:08 16:29
5	05:30 20:36	05:56 06:18-06:36/18 20:13	06:28 19:27	06:59 18:35	06:34 15:27-16:02/35 16:50	07:09 16:29
6	05:30 20:36	05:57 06:19-06:36/17 20:12	06:29 19:25	07:00 18:34	06:36 15:26-16:03/37 16:49	07:10 16:28
7	05:31 20:36	05:58 06:20-06:36/16 20:11	06:30 19:24	07:01 18:32	06:37 15:26-16:03/37 16:47	07:11 16:28
8	05:32 20:35	05:59 06:21-06:36/15 20:09	06:31 19:22	07:02 18:30	06:38 15:25-16:03/38 16:46	07:12 16:28
9	05:32 20:35	06:00 06:22-06:36/14 20:08	06:32 19:20	07:03 18:29	06:39 15:26-16:04/38 16:45	07:13 16:28
10	05:33 20:35	06:01 06:23-06:37/14 20:07	06:33 19:18	07:04 18:27	06:41 15:25-16:04/39 16:44	07:14 16:28
11	05:34 20:34	06:02 06:24-06:38/14 20:05	06:34 19:17	07:05 18:25	06:42 15:25-16:03/38 16:43	07:15 16:28
12	05:34 20:34	06:03 06:25-06:39/14 20:04	06:35 19:15	07:06 18:24	06:43 15:26-16:04/38 16:42	07:16 16:28
13	05:35 20:33	06:04 06:26-06:39/13 20:03	06:36 19:13	07:07 18:22	06:44 15:26-16:04/38 16:41	07:16 16:29
14	05:36 20:33	06:05 06:27-06:39/12 20:01	06:37 19:12	07:09 18:21	06:45 15:26-16:04/38 16:40	07:17 16:29
15	05:37 20:32	06:06 06:28-06:39/11 20:00	06:38 19:10	07:10 18:19	06:47 15:27-16:04/37 16:39	07:18 16:29
16	05:37 20:32	06:07 06:29-06:39/10 19:58	06:39 19:08	07:11 18:18	06:48 15:27-16:04/37 16:39	07:19 16:29
17	05:38 20:31	06:08 06:30-06:38/8 19:57	06:40 19:06	07:12 18:16	06:49 15:27-16:03/36 16:38	07:19 16:30
18	05:39 20:30	06:09 06:31-06:37/6 19:56	06:41 19:05	07:13 18:14	06:50 15:28-16:03/35 16:37	07:20 16:30
19	05:40 20:29	06:10 06:32-06:36/4 19:54	06:42 19:03	07:14 18:13	06:51 15:29-16:03/34 16:36	07:21 16:30
20	05:41 20:29	06:11 06:33-06:35/2 19:53	06:43 19:01	07:15 18:11	06:53 15:30-16:03/33 16:35	07:21 16:31
21	05:42 20:28	06:12 19:51	06:44 18:59	07:17 18:10	06:54 15:30-16:02/32 16:35	07:22 16:31
22	05:43 20:27	06:13 19:50	06:45 18:58	07:18 18:08	06:55 15:31-16:02/31 16:34	07:22 16:32
23	05:43 20:26	06:14 19:48	06:46 18:56	07:19 18:07	06:56 15:33-16:02/29 16:33	07:23 16:32
24	05:44 20:25	06:15 19:46	06:47 18:54	07:20 18:05	06:57 15:33-16:01/28 16:33	07:23 16:33
25	05:45 20:25	06:16 19:45	06:48 18:53	06:21 17:04	06:58 15:34-16:00/26 16:32	07:24 16:33
26	05:46 20:24	06:17 19:43	06:49 18:51	06:22 17:03	07:00 15:35-16:00/25 16:32	07:24 16:34
27	05:47 20:23	06:18 19:42	06:50 18:49	06:24 15:44-15:46/2 17:01	07:01 15:38-16:00/22 16:31	07:24 16:34
28	05:48 20:22	06:20 19:40	06:51 18:47	06:25 15:37-15:51/14 17:00	07:02 15:39-15:59/20 16:31	07:25 16:35
29	05:49 20:21	06:21 19:39	06:52 18:46	06:26 15:35-15:55/20 16:59	07:03 15:41-15:57/16 16:30	07:25 16:36
30	05:50 20:20	06:22 19:37	06:53 18:44	06:27 15:33-15:56/23 16:57	07:04 15:42-15:56/14 16:30	07:25 16:37
31	05:51 20:19	06:23 19:35		06:28 15:31-15:58/27 16:56		07:25 16:37
Ore potenziali eliofania	461	429	375	345	297	286
Somma minuti d'ombra	18	251	0	86	958	9

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Shadow Flickering Analysis **WTG: 25 - Siemens Gamesa SG 6.0-170 6000 170.0 !O!** hub: 165.0 m (TOT: 250.0 m) (204)
Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
437 192 40 16 67 346 208 192 120 99 425 524 2,665
: Soglia di cut-in dalla curva di potenza

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	07:26 16:38	07:12 17:13	06:35 17:48	06:43 19:23	05:57 19:56	05:27 20:26	05:28 20:37	05:52 20:18	06:24 19:34	06:54 18:42	06:30 16:55	07:05 16:30
2	07:26 16:39	07:11 17:14	06:34 17:49	06:42 19:24	05:55 19:57	05:27 20:27	05:28 20:37	05:53 20:16	06:25 19:32	06:55 18:40	06:31 16:53	07:06 16:29
3	07:26 16:40	07:10 17:16	06:32 17:50	06:40 19:25	05:54 19:58	05:26 20:27	05:29 20:37	05:54 20:15	06:26 19:30	06:57 18:39	06:32 16:52	07:07 16:29
4	07:26 16:41	07:09 17:17	06:30 17:52	06:38 19:26	05:53 19:59	05:26 20:28	05:29 20:37	05:55 20:14	06:27 19:29	06:58 18:37	06:33 16:51	07:08 16:29
5	07:26 16:42	07:08 17:18	06:29 17:53	06:37 19:27	05:52 20:00	05:26 20:29	05:30 20:36	05:56 20:13	06:28 19:27	06:59 18:35	06:34 16:50	07:09 16:29
6	07:26 16:43	07:07 17:20	06:27 17:54	06:35 19:29	05:50 20:01	05:25 20:30	05:30 20:36	05:57 20:12	06:29 19:25	07:00 18:34	06:36 16:49	07:10 16:28
7	07:26 16:44	07:05 17:21	06:26 17:55	06:33 19:30	05:49 20:02	05:25 20:30	05:31 20:36	05:58 20:10	06:30 19:24	07:01 18:32	06:37 16:47	07:11 16:28
8	07:26 16:45	07:04 17:22	06:24 17:56	06:32 19:31	05:48 20:03	05:25 20:31	05:32 20:35	05:59 20:09	06:31 19:22	07:02 18:30	06:38 16:46	07:12 16:28
9	07:26 16:46	07:03 17:23	06:22 17:57	06:30 19:32	05:47 20:04	05:24 20:31	05:32 20:35	06:00 20:08	06:32 19:20	07:03 18:29	06:39 16:45	07:13 16:28
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11	07:25 16:48	07:01 17:26	06:19 18:00	06:27 19:34	05:44 20:06	05:24 20:33	05:34 20:34	06:02 20:05	06:34 19:17	07:05 18:25	06:42 16:43	07:15 16:28
12	07:25 16:49	06:59 17:27	06:17 18:01	06:25 19:35	05:43 20:07	05:24 20:33	05:34 20:34	06:03 20:04	06:35 19:15	07:06 18:24	06:43 16:42	07:16 16:28
13	07:25 16:50	06:58 17:28	06:16 18:02	06:24 19:36	05:42 20:08	05:24 20:34	05:35 20:33	06:04 20:03	06:36 19:13	07:07 18:22	06:44 16:41	07:16 16:29
14	07:24 16:51	06:57 17:30	06:14 18:03	06:22 19:37	05:41 20:09	05:24 20:34	05:36 20:33	06:05 20:01	06:37 19:12	07:09 18:21	06:45 16:40	07:17 16:29
15	07:24 16:52	06:55 17:31	06:12 18:04	06:20 19:38	05:40 20:11	05:24 20:34	05:37 20:32	06:06 20:00	06:38 19:10	07:10 18:19	06:47 16:39	07:18 16:29
16	07:23 16:54	06:54 17:32	06:11 18:05	06:19 19:39	05:39 20:12	05:24 20:35	05:37 20:31	06:07 19:58	06:39 19:08	07:11 18:17	06:48 16:38	07:19 16:29
17	07:23 16:55	06:53 17:33	06:09 18:07	06:17 19:41	05:38 20:13	05:24 20:35	05:38 20:31	06:08 19:57	06:40 19:06	07:12 18:16	06:49 16:38	07:19 16:29
18	07:22 16:56	06:51 17:35	06:07 18:08	06:16 19:42	05:37 20:13	05:24 20:36	05:39 20:30	06:09 19:55	06:41 19:05	07:13 18:14	06:50 16:37	07:20 16:30
19	07:22 16:57	06:50 17:36	06:06 18:09	06:14 19:43	05:36 20:14	05:24 20:36	05:40 20:29	06:10 19:54	06:42 19:03	07:14 18:13	06:51 16:36	07:21 16:30
20	07:21 16:58	06:49 17:37	06:04 18:10	06:13 19:44	05:35 20:15	05:24 20:36	05:41 20:29	06:11 19:53	06:43 19:01	07:15 18:11	06:53 16:35	07:21 16:31
21	07:21 16:59	06:47 17:38	06:02 18:11	06:11 19:45	05:35 20:16	05:24 20:36	05:42 20:28	06:12 19:51	06:44 18:59	07:17 18:10	06:54 16:35	07:22 16:31
22	07:20 17:01	06:46 17:40	06:00 18:12	06:10 19:46	05:34 20:17	05:24 20:37	05:43 20:27	06:13 19:49	06:45 18:58	07:18 18:08	06:55 16:34	07:22 16:32
23	07:19 17:02	06:44 17:41	05:59 18:13	06:08 19:47	05:33 20:18	05:25 20:37	05:43 20:26	06:14 19:48	06:46 18:56	07:19 18:07	06:56 16:33	07:23 16:32
24	07:19 17:03	06:43 17:42	05:57 18:14	06:07 19:48	05:32 20:19	05:25 20:37	05:44 20:25	06:15 19:46	06:47 18:54	07:20 18:05	06:57 16:33	07:23 16:33
25	07:18 17:04	06:41 17:43	05:55 18:15	06:05 19:49	05:31 20:20	05:25 20:37	05:45 20:25	06:16 19:45	06:48 18:52	06:21 17:04	06:58 16:32	07:24 16:33
26	07:17 17:06	06:40 17:44	05:54 18:16	06:04 19:50	05:31 20:21	05:26 20:37	05:46 20:24	06:17 19:43	06:49 18:51	06:22 17:03	07:00 16:32	07:24 16:34
27	07:16 17:07	06:38 17:46	05:52 18:18	06:02 19:51	05:30 20:22	05:26 20:37	05:47 20:23	06:18 19:42	06:50 18:49	06:24 17:01	07:01 16:31	07:24 16:34
28	07:15 17:08	06:37 17:47	05:50 18:19	06:01 19:52	05:29 20:23	05:26 20:37	05:48 20:22	06:19 19:40	06:51 18:47	06:25 17:00	07:02 16:31	07:25 16:35
29	07:15 17:09		06:48 19:20	05:59 19:54	05:29 20:24	05:27 20:37	05:49 20:21	06:21 19:38	06:52 18:46	06:26 16:59	07:03 16:30	07:25 16:36
30	07:14 17:11		06:47 19:21	05:58 19:55	05:28 20:24	05:27 20:37	05:50 20:20	06:22 19:37	06:53 18:44	06:27 16:57	07:04 16:30	07:25 16:37
31	07:13 17:12		06:45 19:22		05:28 20:25		05:51 20:19	06:23 19:35		06:28 16:56		07:25 16:37
Ore potenziali eliofania	296	296	369	399	450	454	461	429	375	345	297	286
Somma minuti d'ombra	0	0	0	0	0	0	0	0	0	0	0	0

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Shadow Flickering Analysis WTG: 26 - Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0 m) (205)
Assunzioni sui calcoli d'ombra Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
 4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
 437 192 40 16 67 346 208 192 120 99 425 524 2,665
 : Soglia di cut-in dalla curva di potenza

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	07:26	07:12	06:35	06:43 07:47-08:27/40	05:57	05:27	05:27	05:52	06:24	06:54 07:31-08:16/45	06:30	07:05
	16:38	17:13	17:48	19:23	19:56	20:26	20:37	20:17	19:34	18:42	16:55	16:29
2	07:26	07:11	06:33	06:42 07:47-08:25/38	05:55	05:27	05:28	05:53	06:25	06:55 07:31-08:15/44	06:31	07:06
	16:39	17:14	17:49	19:24	19:57	20:27	20:37	20:16	19:32	18:40	16:53	16:29
3	07:26	07:10	06:32	06:40 07:49-08:24/35	05:54	05:26	05:29	05:54	06:26	06:57 07:32-08:13/41	06:32	07:07
	16:40	17:16	17:50	19:25	19:58	20:27	20:37	20:15	19:30	18:39	16:52	16:29
4	07:26	07:09	06:30	06:38 07:50-08:21/31	05:53	05:26	05:29	05:55	06:27	06:58 07:33-08:11/38	06:33	07:08
	16:41	17:17	17:52	19:26	19:59	20:28	20:37	20:14	19:29	18:37	16:51	16:29
5	07:26	07:08	06:29 07:08-07:23/15	06:37 07:52-08:18/26	05:52	05:25	05:30	05:56	06:28 07:56-08:07/11	06:59 07:34-08:09/35	06:34	07:09
	16:42	17:18	17:53	19:27	20:00	20:29	20:36	20:13	19:27	18:35	16:50	16:29
6	07:26	07:06	06:27 07:04-07:27/23	06:35 07:55-08:16/21	05:50	05:25	05:30	05:57	06:29 07:50-08:10/20	07:00 07:36-08:07/31	06:36	07:10
	16:43	17:20	17:54	19:28	20:01	20:30	20:36	20:12	19:25	18:34	16:48	16:28
7	07:26	07:05	06:25 07:01-07:30/29	06:33 07:59-08:10/11	05:49	05:25	05:31	05:58	06:30 07:47-08:13/26	07:01 07:38-08:04/26	06:37	07:11
	16:44	17:21	17:55	19:30	20:02	20:30	20:36	20:10	19:24	18:32	16:47	16:28
8	07:26	07:04	06:24 06:59-07:32/33	06:32	05:48	05:25	05:31	05:59	06:31 07:45-08:15/30	07:02 07:41-08:01/20	06:38	07:12
	16:45	17:22	17:56	19:31	20:03	20:31	20:35	20:09	19:22	18:30	16:46	16:28
9	07:26	07:03	06:22 06:56-07:33/37	06:30	05:47	05:24	05:32	06:00	06:32 07:43-08:17/34	07:03 07:46-07:55/9	06:39	07:13
	16:46	17:23	17:57	19:32	20:04	20:31	20:35	20:08	19:20	18:29	16:45	16:28
10	07:25	07:02	06:21 06:55-07:35/40	06:28	05:46	05:24	05:33	06:01	06:33 07:41-08:18/37	07:04	06:40	07:14
	16:47	17:25	17:59	19:33	20:05	20:32	20:35	20:07	19:18	18:27	16:44	16:28
11	07:25	07:01	06:19 06:53-07:36/43	06:27	05:44	05:24	05:34	06:02	06:34 07:39-08:19/40	07:05	06:42	07:15
	16:48	17:26	18:00	19:34	20:06	20:32	20:34	20:05	19:17	18:25	16:43	16:28
12	07:25	06:59	06:17 06:51-07:36/45	06:25	05:43	05:24	05:34	06:03	06:35 07:38-08:20/42	07:06	06:43	07:16
	16:49	17:27	18:01	19:35	20:07	20:33	20:34	20:04	19:15	18:24	16:42	16:28
13	07:24	06:58	06:16 06:50-07:37/47	06:24	05:42	05:24	05:35	06:04	06:36 07:36-08:21/45	07:07	06:44	07:16
	16:50	17:28	18:02	19:36	20:08	20:34	20:33	20:03	19:13	18:22	16:41	16:28
14	07:24	06:57	06:14 06:50-07:38/48	06:22	05:41	05:24	05:36	06:05	06:37 07:35-08:21/46	07:09	06:45	07:17
	16:51	17:30	18:03	19:37	20:09	20:34	20:33	20:01	19:12	18:21	16:40	16:29
15	07:24	06:55	06:12 06:48-07:38/50	06:20	05:40	05:24	05:37	06:06	06:38 07:34-08:22/48	07:10	06:47	07:18
	16:52	17:31	18:04	19:38	20:10	20:34	20:32	20:00	19:10	18:19	16:39	16:29
16	07:23	06:54	06:11 06:47-07:38/51	06:19	05:39	05:24	05:37	06:07	06:39 07:33-08:22/49	07:11	06:48	07:19
	16:54	17:32	18:05	19:39	20:11	20:35	20:31	19:58	19:08	18:17	16:38	16:29
17	07:23	06:53	06:09 06:47-07:39/52	06:17	05:38	05:24	05:38	06:08	06:40 07:32-08:22/50	07:12	06:49	07:19
	16:55	17:33	18:06	19:40	20:12	20:35	20:31	19:57	19:06	18:16	16:38	16:29
18	07:22	06:51	06:07 06:46-07:38/52	06:16	05:37	05:24	05:39	06:09	06:41 07:31-08:23/52	07:13	06:50	07:20
	16:56	17:35	18:08	19:42	20:13	20:36	20:30	19:55	19:05	18:14	16:37	16:30
19	07:22	06:50	06:05 06:45-07:38/53	06:14	05:36	05:24	05:40	06:10	06:42 07:31-08:23/52	07:14	06:51	07:21
	16:57	17:36	18:09	19:43	20:14	20:36	20:29	19:54	19:03	18:13	16:36	16:30
20	07:21	06:49	06:04 06:45-07:38/53	06:13	05:35	05:24	05:41	06:11	06:43 07:30-08:23/53	07:15	06:53	07:21
	16:58	17:37	18:10	19:44	20:15	20:36	20:29	19:52	19:01	18:11	16:35	16:31
21	07:21	06:47	06:02 06:45-07:38/53	06:11	05:35	05:24	05:42	06:12	06:44 07:30-08:22/52	07:16	06:54	07:22
	16:59	17:38	18:11	19:45	20:16	20:36	20:28	19:51	18:59	18:10	16:35	16:31
22	07:20	06:46	06:00 06:44-07:37/53	06:10	05:34	05:24	05:42	06:13	06:45 07:29-08:22/53	07:18	06:55	07:22
	17:01	17:40	18:12	19:46	20:17	20:37	20:27	19:49	18:58	18:08	16:34	16:31
23	07:19	06:44	05:59 06:44-07:36/52	06:08	05:33	05:25	05:43	06:14	06:46 07:29-08:22/53	07:19	06:56	07:23
	17:02	17:41	18:13	19:47	20:18	20:37	20:26	19:48	18:56	18:07	16:33	16:32
24	07:19	06:43	05:57 06:44-07:36/52	06:07	05:32	05:25	05:44	06:15	06:47 07:29-08:21/52	07:20	06:57	07:23
	17:03	17:42	18:14	19:48	20:19	20:37	20:25	19:46	18:54	18:05	16:33	16:33
25	07:18	06:41	05:55 06:44-07:35/51	06:05	05:31	05:25	05:45	06:16	06:48 07:28-08:21/53	06:21	06:58	07:24
	17:04	17:43	18:15	19:49	20:20	20:37	20:25	19:45	18:52	17:04	16:32	16:33
26	07:17	06:40	05:54 06:44-07:34/50	06:04	05:31	05:25	05:46	06:17	06:49 07:28-08:20/52	06:22	07:00	07:24
	17:06	17:44	18:16	19:50	20:21	20:37	20:24	19:43	18:51	17:03	16:32	16:34
27	07:16	06:38	05:52 06:45-07:34/49	06:02	05:30	05:26	05:47	06:18	06:50 07:28-08:19/51	06:24	07:01	07:24
	17:07	17:46	18:18	19:51	20:22	20:37	20:23	19:42	18:49	17:01	16:31	16:34
28	07:15	06:37	05:50 06:45-07:33/48	06:01	05:29	05:26	05:48	06:19	06:51 07:30-08:20/50	06:25	07:02	07:25
	17:08	17:47	18:19	19:54	20:23	20:37	20:22	19:40	18:47	17:00	16:31	16:35
29	07:15		06:48 07:45-08:31/46	05:59	05:29	05:27	05:49	06:20	06:52 07:30-08:19/49	06:26	07:03	07:25
	17:09		19:20	19:54	20:24	20:37	20:21	19:38	18:46	16:58	16:30	16:36
30	07:14		06:47 07:45-08:30/45	05:58	05:28	05:27	05:50	06:21	06:53 07:30-08:17/47	06:27	07:04	07:25
	17:11		19:21	19:55	20:24	20:37	20:20	19:37	18:44	16:57	16:30	16:37
31	07:13		06:45 07:46-08:29/43		05:28		05:51	06:23		06:28		07:25
	17:12		19:22		20:25		20:19	19:35		16:56		16:37
Ore potenziali eliofania	296	296	369	399	450	454	461	429	375	345	297	286
Somma minuti d'ombra	0	0	1213	202	0	0	0	0	1147	289	0	0

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
 Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra



SHADOW - Calendario per WTG

Calcolo: Shadow Flickering Analysis **WTG: 27 - Siemens Gamesa SG 6.0-170 6000 170.0 !O!** hub: 165.0 m (TOT: 250.0 m) (206)
 Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
 4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
 437 192 40 16 67 346 208 192 120 99 425 524 2,665
 : Soglia di cut-in dalla curva di potenza

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	07:26 16:38	07:12 17:13	06:35 17:48	06:43 19:23	05:57 19:56	05:27 20:26	06:07-06:42/35 20:37	05:28 20:17	06:08-06:54/46 19:34	06:54 18:42	06:30 16:55	07:05 16:30
2	07:26 16:39	07:11 17:15	06:33 17:49	06:42 19:24	05:55 19:57	05:27 20:27	06:06-06:44/38 20:37	05:28 20:16	06:08-06:53/45 19:32	06:25 18:40	06:31 16:53	07:06 16:29
3	07:26 16:40	07:10 17:16	06:32 17:50	06:40 19:25	05:54 19:58	05:26 20:27	06:05-06:44/39 20:37	05:29 20:15	06:09-06:54/45 19:30	06:26 18:39	06:32 16:52	07:07 16:29
4	07:26 16:41	07:09 17:17	06:30 17:52	06:38 19:26	05:53 19:59	05:26 20:28	06:05-06:45/40 20:36	05:29 20:14	06:09-06:53/44 19:29	06:27 18:37	06:33 16:51	07:08 16:29
5	07:26 16:42	07:08 17:18	06:29 17:53	06:37 19:27	05:52 20:00	05:26 20:29	06:05-06:46/41 20:36	05:30 20:13	06:10-06:53/43 19:27	06:28 18:35	06:34 16:50	07:09 16:29
6	07:26 16:43	07:06 17:20	06:27 17:54	06:35 19:28	05:50 20:01	05:25 20:29	06:04-06:46/42 20:36	05:30 20:12	06:10-06:52/42 19:25	06:29 18:34	07:00 16:49	07:10 16:28
7	07:26 16:44	07:05 17:21	06:26 17:55	06:33 19:30	05:49 20:02	05:25 20:30	06:04-06:47/43 20:36	05:31 20:10	06:11-06:52/41 19:24	06:30 18:32	07:01 16:47	07:11 16:28
8	07:26 16:45	07:04 17:22	06:24 17:56	06:32 19:31	05:48 20:03	05:25 20:31	06:04-06:48/44 20:35	05:32 20:35	06:12-06:52/40 20:09	06:31 19:22	07:02 18:30	07:12 16:46
9	07:25 16:46	07:03 17:23	06:22 17:57	06:30 19:32	05:47 20:04	05:24 20:31	06:04-06:48/44 20:35	05:32 20:18	06:12-06:51/39 20:08	06:30 19:20	07:03 18:29	07:13 16:45
10	07:25 16:47	07:02 17:25	06:21 17:59	06:28 19:33	05:46 20:05	05:24 20:32	06:03-06:48/45 20:35	05:33 20:07	06:13-06:51/38 19:18	06:01 18:27	06:33 16:44	07:14 16:28
11	07:25 16:48	07:01 17:26	06:19 18:00	06:27 19:34	05:44 20:06	05:24 20:32	06:03-06:49/46 20:34	05:34 20:05	06:15-06:51/36 19:17	06:02 18:25	06:34 16:43	07:15 16:28
12	07:25 16:49	06:59 17:27	06:17 18:01	06:25 19:35	05:43 20:07	05:24 20:33	06:03-06:49/46 20:34	05:34 20:04	06:15-06:50/35 19:15	06:03 18:24	06:35 16:42	07:16 16:28
13	07:24 16:50	06:58 17:28	06:16 18:02	06:24 19:36	05:42 20:08	05:24 20:33	06:03-06:50/47 20:33	05:35 20:03	06:16-06:49/33 19:13	06:04 18:22	06:36 16:41	07:16 16:29
14	07:24 16:51	06:57 17:30	06:14 18:03	06:22 19:37	05:41 20:09	05:24 20:34	06:03-06:50/47 20:33	05:36 20:19	06:17-06:49/32 19:12	06:05 18:21	06:37 16:40	07:17 16:29
15	07:24 16:52	06:55 17:31	06:12 18:04	06:20 19:38	05:40 20:10	05:24 20:34	06:03-06:50/47 20:32	05:37 20:00	06:19-06:48/29 19:10	06:06 18:19	06:38 16:39	07:18 16:29
16	07:23 16:54	06:54 17:32	06:11 18:05	06:19 19:39	05:39 20:11	05:24 20:35	06:03-06:51/48 20:31	05:37 20:07	06:20-06:46/26 19:08	06:07 18:17	06:39 16:38	07:19 16:29
17	07:23 16:55	06:53 17:33	06:09 18:06	06:17 19:40	05:38 20:12	05:24 20:35	06:03-06:51/48 20:31	05:38 20:08	06:22-06:44/22 19:06	06:08 18:16	06:40 16:38	07:19 16:30
18	07:22 16:56	06:51 17:35	06:07 18:08	06:16 19:42	05:37 20:13	05:24 20:35	06:03-06:51/48 20:30	05:39 20:03	06:24-06:43/19 19:05	06:09 18:14	06:41 16:37	07:20 16:30
19	07:22 16:57	06:50 17:36	06:06 18:09	06:14 19:43	05:36 20:14	05:24 20:36	06:04-06:52/48 20:29	05:40 20:16	06:27-06:40/13 19:54	06:10 18:13	06:42 16:36	07:21 16:30
20	07:21 16:58	06:49 17:37	06:04 18:10	06:13 19:44	05:35 20:15	05:24 20:36	06:04-06:52/48 20:29	05:41 20:17	06:11 19:52	06:11 18:11	06:43 16:35	07:21 16:31
21	07:21 16:59	06:47 17:38	06:02 18:11	06:11 19:45	05:35 20:16	05:24 20:36	06:04-06:52/48 20:28	05:42 20:13	06:12 19:51	06:12 18:59	06:44 16:35	07:22 16:31
22	07:20 17:01	06:46 17:40	06:00 18:12	06:10 19:46	05:34 20:17	05:24 20:37	06:04-06:52/48 20:27	05:43 20:17	06:13 19:49	06:45 18:58	07:18 16:34	07:22 16:32
23	07:19 17:02	06:44 17:41	05:59 18:13	06:08 19:47	05:33 20:18	05:25 20:37	06:04-06:52/48 20:26	05:43 20:14	06:14 19:48	06:46 18:56	07:19 16:33	07:23 16:32
24	07:19 17:03	06:43 17:42	05:57 18:14	06:07 19:48	05:32 20:19	05:25 20:37	06:05-06:53/48 20:25	05:44 20:16	06:15 19:46	06:47 18:54	07:20 16:33	07:23 16:33
25	07:18 17:04	06:41 17:43	05:55 18:15	06:05 19:49	05:31 20:20	05:25 20:37	06:05-06:53/48 20:24	05:45 20:31	06:16 19:45	06:48 18:52	06:21 16:32	07:24 16:33
26	07:17 17:06	06:40 17:44	05:54 18:16	06:04 19:50	05:31 20:21	05:26 20:37	06:05-06:53/48 20:24	05:46 20:24	06:17 19:43	06:49 18:51	06:22 16:32	07:24 16:34
27	07:16 17:07	06:38 17:46	05:52 18:18	06:02 19:51	05:30 20:22	05:26 20:37	06:06-06:53/47 20:23	05:47 20:23	06:18 19:42	06:50 18:49	06:24 16:31	07:24 16:34
28	07:15 17:08	06:37 17:47	05:50 18:19	06:01 19:52	05:29 20:23	05:26 20:37	06:06-06:53/47 20:22	05:48 20:22	06:19 19:40	06:51 18:47	06:25 16:31	07:25 16:35
29	07:15 17:09		06:48 19:20	05:59 19:54	05:29 20:23	05:27 20:37	06:07-06:54/47 20:21	05:49 20:21	06:21 19:38	06:52 18:46	06:26 16:30	07:25 16:36
30	07:14 17:11		06:47 19:21	05:58 19:55	05:28 20:24	05:27 20:37	06:07-06:53/46 20:37	05:50 20:20	06:22 19:37	06:53 18:44	06:27 16:30	07:25 16:37
31	07:13 17:12		06:45 19:22		05:28 20:25		06:07-06:41/34	05:51 20:19	06:23 19:35	06:28 16:56		07:25 16:37
Ore potenziali eliofania	296	296	369	399	450	454	461	429	375	345	297	286
Somma minuti d'ombra	0	0	0	0	195	1359	668	0	0	0	0	0

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
 Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Shadow Flickering Analysis **WTG: 28 - Siemens Gamesa SG 6.0-170 6000 170.0 !O!** hub: 165.0 m (TOT: 250.0 m) (207)
Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
437 192 40 16 67 346 208 192 120 99 425 524 2,665
: Soglia di cut-in dalla curva di potenza

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	07:26 16:38	07:12 17:13	06:35 17:48	06:43 19:23	05:57 19:56	05:27 20:26	05:28 20:37	05:52 20:17	06:24 19:34	06:54 18:42	06:29 16:55	07:05 16:30
2	07:26 16:39	07:11 17:14	06:33 17:49	06:42 19:24	05:55 19:57	05:27 20:27	05:28 20:37	05:53 20:16	06:25 19:32	06:55 18:40	06:31 16:53	07:06 16:29
3	07:26 16:40	07:10 17:16	06:32 17:50	06:40 19:25	05:54 19:58	05:26 20:27	05:29 20:37	05:54 20:15	06:26 19:30	06:57 18:39	06:32 16:52	07:07 16:29
4	07:26 16:41	07:09 17:17	06:30 17:52	06:38 19:26	05:53 19:59	05:26 20:28	05:29 20:36	05:55 20:14	06:27 19:29	06:58 18:37	06:33 16:51	07:08 16:29
5	07:26 16:42	07:08 17:18	06:29 17:53	06:37 19:27	05:52 20:00	05:26 20:29	05:30 20:36	05:56 20:13	06:28 19:27	06:59 18:35	06:34 16:50	07:09 16:29
6	07:26 16:43	07:06 17:20	06:27 17:54	06:35 19:28	05:50 20:01	05:25 20:29	05:30 20:36	05:57 20:12	06:29 19:25	07:00 18:34	06:36 16:49	07:10 16:28
7	07:26 16:44	07:05 17:21	06:25 17:55	06:33 19:30	05:49 20:02	05:25 20:30	05:31 20:36	05:58 20:10	06:30 19:24	07:01 18:32	06:37 16:47	07:11 16:28
8	07:26 16:45	07:04 17:22	06:24 17:56	06:32 19:31	05:48 20:03	05:25 20:31	05:32 20:35	05:59 20:09	06:31 19:22	07:02 18:30	06:38 16:46	07:12 16:28
9	07:25 16:46	07:03 17:23	06:22 17:57	06:30 19:32	05:47 20:04	05:24 20:31	05:32 20:35	06:00 20:08	06:32 19:20	07:03 18:29	06:39 16:45	07:13 16:28
10	07:25 16:47	07:02 17:25	06:21 17:59	06:28 19:33	05:46 20:05	05:24 20:32	05:33 20:35	06:01 20:07	06:33 19:18	07:04 18:27	06:40 16:44	07:14 16:28
11	07:25 16:48	07:01 17:26	06:19 18:00	06:27 19:34	05:44 20:06	05:24 20:32	05:34 20:34	06:02 20:05	06:34 19:17	07:05 18:25	06:42 16:43	07:15 16:28
12	07:25 16:49	06:59 17:27	06:17 18:01	06:25 19:35	05:43 20:07	05:24 20:33	05:34 20:34	06:03 20:04	06:35 19:15	07:06 18:24	06:43 16:42	07:16 16:28
13	07:24 16:50	06:58 17:28	06:16 18:02	06:24 19:36	05:42 20:08	05:24 20:33	05:35 20:33	06:04 20:03	06:36 19:13	07:07 18:22	06:44 16:41	07:16 16:29
14	07:24 16:51	06:57 17:30	06:14 18:03	06:22 19:37	05:41 20:09	05:24 20:34	05:36 20:33	06:05 20:01	06:37 19:12	07:09 18:21	06:45 16:40	07:17 16:29
15	07:24 16:52	06:55 17:31	06:12 18:04	06:20 19:38	05:40 20:10	05:24 20:34	05:37 20:32	06:06 20:00	06:38 19:10	07:10 18:19	06:47 16:39	07:18 16:29
16	07:23 16:54	06:54 17:32	06:11 18:05	06:19 19:39	05:39 20:11	05:24 20:35	05:37 20:31	06:07 19:58	06:39 19:08	07:11 18:17	06:48 16:38	07:19 16:29
17	07:23 16:55	06:53 17:33	06:09 18:06	06:17 19:40	05:38 20:12	05:24 20:35	05:38 20:31	06:08 19:57	06:40 19:06	07:12 18:16	06:49 16:38	07:19 16:29
18	07:22 16:56	06:51 17:35	06:07 18:08	06:16 19:42	05:37 20:13	05:24 20:35	05:39 20:30	06:09 19:55	06:41 19:05	07:13 18:14	06:50 16:37	07:20 16:30
19	07:22 16:57	06:50 17:36	06:05 18:09	06:14 19:43	05:36 20:14	05:24 20:36	05:40 20:29	06:10 19:54	06:42 19:03	07:14 18:13	06:51 16:36	07:21 16:30
20	07:21 16:58	06:49 17:37	06:04 18:10	06:13 19:44	05:35 20:15	05:24 20:36	05:41 20:29	06:11 19:52	06:43 19:01	07:15 18:11	06:53 16:35	07:21 16:31
21	07:21 16:59	06:47 17:38	06:02 18:11	06:11 19:45	05:35 20:16	05:24 20:36	05:42 20:28	06:12 19:51	06:44 18:59	07:16 18:10	06:54 16:35	07:22 16:31
22	07:20 17:01	06:46 17:40	06:00 18:12	06:10 19:46	05:34 20:17	05:24 20:37	05:43 20:27	06:13 19:49	06:45 18:58	07:18 18:08	06:55 16:34	07:22 16:31
23	07:19 17:02	06:44 17:41	05:59 18:13	06:08 19:47	05:33 20:18	05:25 20:37	05:43 20:26	06:14 19:48	06:46 18:56	07:19 18:07	06:56 16:33	07:23 16:32
24	07:19 17:03	06:43 17:42	05:57 18:14	06:07 19:48	05:32 20:19	05:25 20:37	05:44 20:25	06:15 19:46	06:47 18:54	07:20 18:05	06:57 16:33	07:23 16:33
25	07:18 17:04	06:41 17:43	05:55 18:15	06:05 19:49	05:31 20:20	05:25 20:37	05:45 20:24	06:16 19:45	06:48 18:52	06:21 17:04	06:58 16:32	07:24 16:33
26	07:17 17:06	06:40 17:44	05:54 18:16	06:04 19:50	05:31 20:21	05:25 20:37	05:46 20:24	06:17 19:43	06:49 18:51	06:22 17:03	07:00 16:32	07:24 16:34
27	07:16 17:07	06:38 17:46	05:52 18:18	06:02 19:51	05:30 20:22	05:26 20:37	05:47 20:23	06:18 19:42	06:50 18:49	06:23 17:01	07:01 16:31	07:24 16:34
28	07:15 17:08	06:37 17:47	05:50 18:19	06:01 19:52	05:29 20:23	05:26 20:37	05:48 20:22	06:19 19:40	06:51 18:47	06:25 17:00	07:02 16:31	07:25 16:35
29	07:15 17:09		06:48 19:20	05:59 19:54	05:29 20:23	05:27 20:37	05:49 20:21	06:20 19:38	06:52 18:46	06:26 16:58	07:03 16:30	07:25 16:36
30	07:14 17:11		06:47 19:21	05:58 19:55	05:28 20:24	05:27 20:37	05:50 20:20	06:22 19:37	06:53 18:44	06:27 16:57	07:04 16:30	07:25 16:37
31	07:13 17:12		06:45 19:22		05:28 20:25		05:51 20:19	06:23 19:35		06:28 16:56		07:25 16:37
Ore potenziali eliofania	296	296	369	399	450	454	461	429	375	345	297	286
Somma minuti d'ombra	0	0	0	0	0	0	0	0	0	0	0	0

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Shadow Flickering Analysis WTG: 29 - Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0 m) (208)
Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
437 192 40 16 67 346 208 192 120 99 425 524 2,665
: Soglia di cut-in dalla curva di potenza

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	07:26 16:38	07:12 17:13	06:35 17:48	06:43 19:23	05:57 19:56	05:27 20:26	05:27 20:37	05:52 20:17	06:24 19:33	06:54 18:42	06:29 16:55	07:05 16:29
2	07:26 16:39	07:11 17:14	06:33 17:49	06:42 19:24	05:55 19:57	05:27 20:27	05:28 20:37	05:53 20:16	06:25 19:32	06:55 18:40	06:31 16:53	07:06 16:29
3	07:26 16:40	07:10 17:16	06:32 17:50	06:40 19:25	05:54 19:58	05:26 20:27	05:28 20:37	05:54 20:15	06:26 19:30	06:56 18:39	06:32 16:52	07:07 16:29
4	07:26 16:41	07:09 17:17	06:30 17:52	06:38 19:26	05:53 19:59	05:26 20:28	05:29 20:36	05:55 20:14	06:27 19:29	06:58 18:37	06:33 16:51	07:08 16:29
5	07:26 16:42	07:08 17:18	06:29 17:53	06:37 19:27	05:51 20:00	05:25 20:29	05:30 20:36	05:56 20:13	06:28 19:27	06:59 18:35	06:34 16:50	07:09 16:29
6	07:26 16:43	07:06 17:20	06:27 17:54	06:35 19:28	05:50 20:01	05:25 20:29	05:30 20:36	05:57 20:12	06:29 19:25	07:00 18:34	06:36 16:48	07:10 16:28
7	07:26 16:44	07:05 17:21	06:25 17:55	06:33 19:30	05:49 20:02	05:25 20:30	05:31 20:36	05:58 20:10	06:30 19:23	07:01 18:32	06:37 16:47	07:11 16:28
8	07:26 16:45	07:04 17:22	06:24 17:56	06:32 19:31	05:48 20:03	05:25 20:31	05:31 20:35	05:59 20:09	06:31 19:22	07:02 18:30	06:38 16:46	07:12 16:28
9	07:25 16:46	07:03 17:23	06:22 17:57	06:30 19:32	05:47 20:04	05:24 20:31	05:32 20:35	06:00 20:08	06:32 19:20	07:03 18:29	06:39 16:45	07:13 16:28
10	07:25 16:47	07:02 17:25	06:21 17:59	06:28 19:33	05:45 20:05	05:24 20:32	05:33 20:35	06:01 20:07	06:33 19:18	07:04 18:27	06:40 16:44	07:14 16:28
11	07:25 16:48	07:01 17:26	06:19 18:00	06:27 19:34	05:44 20:06	05:24 20:32	05:34 20:34	06:02 20:05	06:34 19:17	07:05 18:25	06:42 16:43	07:15 16:28
12	07:25 16:49	06:59 17:27	06:17 18:01	06:25 19:35	05:43 20:07	05:24 20:33	05:34 20:34	06:03 20:04	06:35 19:15	07:06 18:24	06:43 16:42	07:15 16:28
13	07:24 16:50	06:58 17:28	06:16 18:02	06:23 19:36	05:42 20:08	05:24 20:33	05:35 20:33	06:04 20:03	06:36 19:13	07:07 18:22	06:44 16:41	07:16 16:28
14	07:24 16:51	06:57 17:30	06:14 18:03	06:22 19:37	05:41 20:09	05:24 20:34	05:36 20:33	06:05 20:01	06:37 19:11	07:08 18:21	06:45 16:40	07:17 16:29
15	07:24 16:52	07:45-07:46/1 17:31	06:55 18:04	06:12 19:38	06:20 20:10	05:40 20:34	05:37 20:32	06:06 20:00	06:38 19:10	07:10 18:19	06:46 16:39	07:18 16:29
16	07:23 16:53	07:45-07:50/5 17:32	06:54 18:05	06:11 19:39	06:19 20:11	05:39 20:35	05:37 20:31	06:07 19:58	06:39 19:08	07:11 18:17	06:48 16:38	07:19 16:29
17	07:23 16:55	07:44-07:51/7 17:33	06:53 18:06	06:10 19:40	06:17 20:12	05:38 20:35	05:38 20:31	06:08 19:57	06:40 19:06	07:12 18:16	06:49 16:38	07:19 16:29
18	07:22 16:56	07:44-07:53/9 17:35	06:51 18:08	06:07 19:42	06:16 20:13	05:37 20:35	05:39 20:30	06:09 19:55	06:41 19:05	07:13 18:14	06:50 16:37	07:20 16:30
19	07:22 16:57	07:43-07:54/11 17:36	06:50 18:09	06:05 19:43	06:14 20:14	05:36 20:36	05:40 20:29	06:10 19:54	06:42 19:03	07:14 18:13	06:51 16:36	07:21 16:30
20	07:21 16:58	07:42-07:55/13 17:37	06:48 18:10	06:04 19:44	06:13 20:15	05:35 20:36	05:24 20:29	06:11 19:52	06:43 19:01	07:15 18:11	06:53 16:35	07:21 16:31
21	07:21 16:59	07:42-07:57/15 17:38	06:47 18:11	06:02 19:45	06:11 20:16	05:35 20:36	05:24 20:28	06:12 19:51	06:44 18:59	07:16 18:10	06:54 16:35	07:22 16:31
22	07:20 17:01	07:41-07:57/16 17:40	06:46 18:12	06:00 19:46	06:09 20:17	05:34 20:36	05:24 20:27	06:13 19:49	06:45 18:58	07:18 18:08	06:55 16:34	07:22 16:31
23	07:19 17:02	07:40-07:58/18 17:41	06:44 18:13	05:59 19:47	06:08 20:18	05:33 20:37	05:25 20:26	06:14 19:48	06:46 18:56	07:19 18:07	06:56 16:33	07:23 16:32
24	07:19 17:03	07:39-07:58/19 17:42	06:43 18:14	05:57 19:48	06:07 20:19	05:32 20:37	05:25 20:25	06:15 19:46	06:47 18:54	07:20 18:05	06:57 16:33	07:23 16:32
25	07:18 17:04	07:39-08:00/21 17:43	06:41 18:15	05:55 19:49	06:05 20:20	05:31 20:37	05:25 20:24	06:16 19:45	06:48 18:52	07:21 17:04	06:58 16:32	07:24 16:33
26	07:17 17:06	07:38-08:00/22 17:44	06:40 18:16	05:54 19:50	06:04 20:21	05:31 20:37	05:25 20:24	06:17 19:43	06:49 18:51	07:22 17:03	07:00 16:32	07:24 16:34
27	07:16 17:07	07:37-08:00/23 17:46	06:38 18:17	05:52 19:51	06:02 20:22	05:30 20:37	05:26 20:23	06:18 19:42	06:50 18:49	07:23 17:01	06:23 16:31	07:24 16:34
28	07:15 17:08	07:37-08:00/23 17:47	06:37 18:19	05:50 19:52	06:01 20:23	05:29 20:37	05:26 20:22	06:19 19:40	06:51 18:47	07:24 17:00	06:25 16:31	07:25 16:35
29	07:14 17:09	07:37-08:00/23 17:47	06:37 18:19	05:50 19:52	06:01 20:23	05:29 20:37	05:26 20:22	06:19 19:40	06:51 18:47	07:24 17:00	06:25 16:31	07:25 16:35
30	07:14 17:11	07:38-08:00/22 17:47	06:37 18:19	05:50 19:52	06:01 20:23	05:29 20:37	05:26 20:22	06:19 19:40	06:51 18:47	07:24 17:00	06:25 16:31	07:25 16:35
31	07:13 17:12	07:38-08:00/22 17:47	06:37 18:19	05:50 19:52	06:01 20:23	05:29 20:37	05:26 20:22	06:19 19:40	06:51 18:47	07:24 17:00	06:25 16:31	07:25 16:35
Ore potenziali eliofania	296	296	369	399	450	454	461	429	375	345	297	286
Somma minuti d'ombra	270	80	0	0	0	0	0	0	0	0	354	0

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Shadow Flickering Analysis **WTG: 30 - PowerWind 56**
Assunzioni sui calcoli d'ombra

Probabilità di eliofanìa (media ore giornaliere di insolazione) [AMENDOLA]

Gen	Feb	Mar	Apr	Mag	Giu	Lug	Ago	Set	Ott	Nov	Dic
4.12	4.66	5.30	6.72	8.25	9.35	10.16	9.45	7.64	5.82	4.65	3.82

Tempo di operatività

N	NNE	ENE	E	ESE	SSE	S	SSO	OSO	O	ONO	NNO	Somma
437	192	40	16	67	346	208	192	120	99	425	524	2,665

: Soglia di cut-in dalla curva di potenza

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	07:26 16:39	07:12 17:14	06:36 17:49	06:44 19:23	05:57 19:56	05:28 20:26	05:28 20:37	05:52 20:18	06:24 19:34	06:55 18:43	06:30 16:55	07:06 16:30
2	07:26 16:40	07:11 17:15	06:34 17:50	06:42 19:25	05:56 19:57	05:27 20:27	05:28 20:37	05:53 20:17	06:25 19:32	06:56 18:41	06:31 16:54	07:07 16:30
3	07:26 16:41	07:10 17:16	06:32 17:51	06:40 19:26	05:55 19:58	05:27 20:28	05:29 20:37	05:54 20:16	06:26 19:31	06:57 18:39	06:32 16:53	07:08 16:29
4	07:26 16:41	07:09 17:17	06:31 17:52	06:39 19:27	05:53 19:59	05:26 20:29	05:30 20:37	05:55 20:15	06:27 19:29	06:58 18:38	06:34 16:51	07:09 16:29
5	07:26 16:42	07:08 17:19	06:29 17:53	06:37 19:28	05:52 20:01	05:26 20:29	05:30 20:37	05:56 20:13	06:28 19:27	06:59 18:36	06:35 16:50	07:10 16:29
6	07:26 16:43	07:07 17:20	06:28 17:54	06:35 19:29	05:51 20:02	05:26 20:30	05:31 20:36	05:57 20:12	06:29 19:26	07:00 18:34	06:36 16:49	07:11 16:29
7	07:26 16:44	07:06 17:21	06:26 17:56	06:34 19:30	05:50 20:03	05:25 20:31	05:31 20:36	05:58 20:11	06:30 19:24	07:01 18:32	06:37 16:48	07:12 16:29
8	07:26 16:45	07:05 17:23	06:24 17:57	06:32 19:31	05:48 20:04	05:25 20:31	05:32 20:36	05:59 20:10	06:31 19:22	07:02 18:31	06:38 16:47	07:13 16:29
9	07:26 16:46	07:04 17:24	06:23 17:58	06:31 19:32	05:47 20:05	05:25 20:32	05:33 20:35	06:00 20:08	06:32 19:21	07:03 18:29	06:40 16:46	07:13 16:29
10	07:26 16:47	07:02 17:25	06:21 17:59	06:29 19:33	05:46 20:06	05:25 20:32	05:33 20:35	06:01 20:07	06:33 19:19	07:05 18:28	06:41 16:45	07:14 16:29
11	07:26 16:48	07:01 17:26	06:19 18:00	06:27 19:34	05:45 20:07	05:24 20:33	05:34 20:35	06:02 20:06	06:34 19:17	07:06 18:26	06:42 16:44	07:15 16:29
12	07:25 16:50	07:00 17:28	06:18 18:01	06:26 19:36	05:44 20:08	05:24 20:33	05:35 20:34	06:04 20:04	06:35 19:15	07:07 18:24	06:43 16:43	07:16 16:29
13	07:25 16:51	06:59 17:29	06:16 18:02	06:24 19:37	05:43 20:09	05:24 20:34	05:36 20:34	06:05 20:03	06:36 19:14	07:08 18:23	06:45 16:42	07:17 16:29
14	07:25 16:52	06:57 17:30	06:14 18:04	06:22 19:38	05:42 20:10	05:24 20:34	05:36 20:33	06:06 20:02	06:37 19:12	07:09 18:21	06:46 16:41	07:18 16:29
15	07:24 16:53	06:56 17:31	06:13 18:05	06:21 19:39	05:41 20:11	05:24 20:35	05:37 20:33	06:07 20:00	06:38 19:10	07:10 18:19	06:47 16:40	07:18 16:29
16	07:24 16:54	06:55 17:33	06:11 18:06	06:19 19:40	05:40 20:12	05:24 20:35	05:38 20:32	06:08 19:59	06:39 19:09	07:11 18:18	06:48 16:39	07:19 16:30
17	07:23 16:55	06:53 17:34	06:09 18:07	06:18 19:41	05:39 20:13	05:24 20:36	05:39 20:31	06:09 19:57	06:40 19:07	07:12 18:16	06:49 16:38	07:20 16:30
18	07:23 16:56	06:52 17:35	06:08 18:08	06:16 19:42	05:38 20:14	05:24 20:36	05:40 20:31	06:10 19:56	06:41 19:05	07:14 18:15	06:51 16:37	07:20 16:30
19	07:22 16:58	06:50 17:36	06:06 18:09	06:15 19:43	05:37 20:15	05:24 20:36	05:40 20:30	06:11 19:54	06:42 19:03	07:15 18:13	06:52 16:37	07:21 16:31
20	07:22 16:59	06:49 17:38	06:04 18:10	06:13 19:44	05:36 20:16	05:24 20:37	05:41 20:29	06:12 19:53	06:43 19:02	07:16 18:12	06:53 16:36	07:22 16:31
21	07:21 17:00	06:48 17:39	06:03 18:11	06:12 19:45	05:35 20:17	05:25 20:37	05:42 20:28	06:13 19:51	06:44 19:00	07:17 18:10	06:54 16:35	07:22 16:31
22	07:20 17:01	06:46 17:40	06:01 18:13	06:10 19:46	05:34 20:18	05:25 20:37	05:43 20:28	06:14 19:50	06:45 18:58	07:18 18:09	06:55 16:34	07:23 16:32
23	07:20 17:02	06:45 17:41	06:05 18:14	06:09 19:47	05:33 20:19	05:25 20:37	05:44 20:27	06:15 19:48	06:47 18:56	07:19 18:07	06:57 16:34	07:23 16:32
24	07:19 17:04	06:43 17:43	05:57 18:15	06:07 19:49	05:33 20:20	05:25 20:37	05:45 20:26	06:16 19:47	06:48 18:55	07:20 18:06	06:58 16:33	07:24 16:33
25	07:18 17:05	06:42 17:44	05:56 18:16	06:06 19:50	05:32 20:21	05:26 20:37	05:46 20:25	06:17 19:45	06:49 18:53	06:22 17:04	06:59 16:33	07:24 16:34
26	07:18 17:06	06:40 17:45	05:54 18:17	06:04 19:51	05:31 20:21	05:26 20:38	05:47 20:24	06:18 19:44	06:50 18:51	06:23 17:03	07:00 16:32	07:25 16:34
27	07:17 17:07	06:39 17:46	05:52 18:18	06:03 19:52	05:31 20:22	05:26 20:38	05:48 20:23	06:19 19:42	06:51 18:49	06:24 17:02	07:01 16:32	07:25 16:35
28	07:16 17:09	06:37 17:47	05:51 18:19	06:01 19:53	05:30 20:23	05:27 20:38	05:49 20:22	06:20 19:41	06:52 18:48	06:25 17:00	07:02 16:31	07:25 16:36
29	07:15 17:10		06:49 19:20	06:00 19:54	05:29 20:24	05:27 20:38	05:49 20:21	06:21 19:39	06:53 18:46	06:26 16:59	07:03 16:31	07:25 16:36
30	07:14 17:11		06:47 19:21	05:59 19:55	05:29 20:25	05:28 20:38	05:50 20:20	06:22 19:37	06:54 18:44	06:28 16:58	07:04 16:30	07:26 16:37
31	07:13 17:12		06:46 19:22		05:28 20:26		05:51 20:19	06:23 19:36		06:29 16:56		07:26 16:38
Ore potenziali eliofanìa	296	296	369	399	450	454	461	429	375	345	297	286
Somma minuti d'ombra	0	0	0	0	0	0	0	0	0	0	0	0

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Shadow Flickering Analysis **WTG: 31 - PowerWind 56**
Assunzioni sui calcoli d'ombra

Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen	Feb	Mar	Apr	Mag	Giu	Lug	Ago	Set	Ott	Nov	Dic
4.12	4.66	5.30	6.72	8.25	9.35	10.16	9.45	7.64	5.82	4.65	3.82

Tempo di operatività

N	NNE	ENE	E	ESE	SSE	S	SSO	OSO	O	ONO	NNO	Somma
437	192	40	16	67	346	208	192	120	99	425	524	2,665

: Soglia di cut-in dalla curva di potenza

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	07:26	07:12	06:35	06:44	05:57	05:28	05:28	05:53	06:24	06:55	06:30	07:05
	16:39	17:14	17:49	19:23	19:56	20:26	20:37	20:18	19:34	18:43	16:55	16:30
2	07:26	07:11	06:34	06:42	05:56	05:27	05:29	05:54	06:25	06:56	06:31	07:06
	16:40	17:15	17:50	19:25	19:57	20:27	20:37	20:17	19:32	18:41	16:54	16:30
3	07:26	07:10	06:32	06:41	05:55	05:27	05:29	05:55	06:26	06:57	06:32	07:07
	16:41	17:16	17:51	19:26	19:58	20:28	20:37	20:16	19:31	18:39	16:53	16:30
4	07:26	07:09	06:31	06:39	05:53	05:27	05:30	05:56	06:27	06:58	06:33	07:08
	16:42	17:18	17:52	19:27	19:59	20:28	20:37	20:14	19:29	18:38	16:52	16:29
5	07:26	07:08	06:29	06:37	05:52	05:26	05:30	05:57	06:28	06:59	06:35	07:09
	16:43	17:19	17:53	19:28	20:00	20:29	20:36	20:13	19:27	18:36	16:50	16:29
6	07:26	07:07	06:28	06:36	05:51	05:26	05:31	05:58	06:29	07:00	06:36	07:10
	16:44	17:20	17:54	19:29	20:01	20:30	20:36	20:12	19:26	18:34	16:49	16:29
7	07:26	07:06	06:26	06:34	05:50	05:26	05:32	05:59	06:30	07:01	06:37	07:11
	16:45	17:21	17:56	19:30	20:02	20:30	20:36	20:11	19:24	18:33	16:48	16:29
8	07:26	07:05	06:24	06:32	05:49	05:25	05:32	06:00	06:31	07:02	06:38	07:12
	16:46	17:23	17:57	19:31	20:04	20:31	20:36	20:09	19:22	18:31	16:47	16:29
9	07:26	07:03	06:23	06:31	05:47	05:25	05:33	06:01	06:32	07:03	06:40	07:13
	16:47	17:24	17:58	19:32	20:05	20:32	20:35	20:08	19:21	18:29	16:46	16:29
10	07:26	07:02	06:21	06:29	05:46	05:25	05:34	06:02	06:33	07:05	06:41	07:14
	16:48	17:25	17:59	19:33	20:06	20:32	20:35	20:07	19:19	18:28	16:45	16:29
11	07:25	07:01	06:19	06:27	05:45	05:25	05:34	06:03	06:34	07:06	06:42	07:15
	16:49	17:27	18:00	19:34	20:07	20:33	20:34	20:06	19:17	18:26	16:44	16:29
12	07:25	07:00	06:18	06:26	05:44	05:25	05:35	06:04	06:35	07:07	06:43	07:16
	16:50	17:28	18:01	19:35	20:08	20:33	20:34	20:04	19:15	18:24	16:43	16:29
13	07:25	06:58	06:16	06:24	05:43	05:25	05:36	06:05	06:36	07:08	06:44	07:17
	16:51	17:29	18:02	19:37	20:09	20:34	20:33	20:03	19:14	18:23	16:42	16:29
14	07:24	06:57	06:14	06:23	05:42	05:24	05:37	06:06	06:37	07:09	06:46	07:17
	16:52	17:30	18:04	19:38	20:10	20:34	20:33	20:02	19:12	18:21	16:41	16:29
15	07:24	06:56	06:13	06:21	05:41	05:24	05:37	06:07	06:38	07:10	06:47	07:18
	16:53	17:32	18:05	19:39	20:11	20:35	20:32	20:00	19:10	18:20	16:40	16:30
16	07:24	06:54	06:11	06:19	05:40	05:24	05:38	06:08	06:39	07:11	06:48	07:19
	16:54	17:33	18:06	19:40	20:12	20:35	20:32	19:59	19:09	18:18	16:39	16:30
17	07:23	06:53	06:09	06:18	05:39	05:24	05:39	06:09	06:40	07:12	06:49	07:20
	16:55	17:34	18:07	19:41	20:13	20:35	20:31	19:57	19:07	18:16	16:38	16:30
18	07:23	06:52	06:08	06:16	05:38	05:25	05:40	06:10	06:41	07:13	06:50	07:20
	16:57	17:35	18:08	19:42	20:14	20:36	20:30	19:56	19:05	18:15	16:37	16:31
19	07:22	06:50	06:06	06:15	05:37	05:25	05:41	06:11	06:42	07:15	06:52	07:21
	16:58	17:37	18:09	19:43	20:15	20:36	20:30	19:54	19:03	18:13	16:37	16:31
20	07:22	06:49	06:04	06:13	05:36	05:25	05:41	06:12	06:43	07:16	06:53	07:21
	16:59	17:38	18:10	19:44	20:16	20:36	20:29	19:53	19:02	18:12	16:36	16:31
21	07:21	06:47	06:03	06:12	05:35	05:25	05:42	06:13	06:44	07:17	06:54	07:22
	17:00	17:39	18:11	19:45	20:17	20:37	20:28	19:51	19:00	18:10	16:35	16:32
22	07:20	06:46	06:01	06:10	05:34	05:25	05:43	06:14	06:46	07:18	06:55	07:22
	17:01	17:40	18:13	19:46	20:18	20:37	20:27	19:50	18:58	18:09	16:35	16:32
23	07:20	06:45	05:59	06:09	05:34	05:25	05:44	06:15	06:47	07:19	06:56	07:23
	17:03	17:41	18:14	19:47	20:18	20:37	20:27	19:48	18:56	18:07	16:34	16:33
24	07:19	06:43	05:57	06:07	05:33	05:26	05:45	06:16	06:48	07:20	06:58	07:23
	17:04	17:43	18:15	19:48	20:19	20:37	20:26	19:47	18:55	18:06	16:33	16:33
25	07:18	06:42	05:56	06:06	05:32	05:26	05:46	06:17	06:49	06:22	06:59	07:24
	17:05	17:44	18:16	19:50	20:20	20:37	20:25	19:45	18:53	17:05	16:33	16:34
26	07:17	06:40	05:54	06:04	05:31	05:26	05:47	06:18	06:50	06:23	07:00	07:24
	17:06	17:45	18:17	19:51	20:21	20:37	20:24	19:44	18:51	17:03	16:32	16:34
27	07:17	06:39	05:52	06:03	05:31	05:27	05:48	06:19	06:51	06:24	07:01	07:25
	17:08	17:46	18:18	19:52	20:22	20:37	20:23	19:42	18:49	17:02	16:32	16:35
28	07:16	06:37	05:51	06:01	05:30	05:27	05:49	06:20	06:52	06:25	07:02	07:25
	17:09	17:47	18:19	19:53	20:23	20:37	20:22	19:40	18:48	17:00	16:31	16:36
29	07:15		06:49	06:00	05:30	05:27	05:50	06:21	06:53	06:26	07:03	07:25
	17:10		19:20	19:54	20:24	20:37	20:21	19:39	18:46	16:59	16:31	16:37
30	07:14		06:47	05:59	05:29	05:28	05:51	06:22	06:54	06:27	07:04	07:25
	17:11		19:21	19:55	20:25	20:37	20:20	19:37	18:44	16:58	16:31	16:37
31	07:13		06:46		05:28		05:52	06:23		06:29		07:26
	17:13		19:22		20:25		20:19	19:36		16:56		16:38
Ore potenziali eliofania	296	296	369	399	450	454	461	429	375	345	297	0
Somma minuti d'ombra	0	0	0	0	0	0	0	0	0	0	0	0

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Shadow Flickering Analysis WTG: 32 - PowerWind 56
Assunzioni sui calcoli d'ombra

Probabilità di eliofanìa (media ore giornaliere di insolazione) [AMENDOLA]

Gen	Feb	Mar	Apr	Mag	Giu	Lug	Ago	Set	Ott	Nov	Dic
4.12	4.66	5.30	6.72	8.25	9.35	10.16	9.45	7.64	5.82	4.65	3.82

Tempo di operatività

N	NNE	ENE	E	ESE	SSE	S	SSO	OSO	O	ONO	NNO	Somma
437	192	40	16	67	346	208	192	120	99	425	524	2,665

: Soglia di cut-in dalla curva di potenza

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	07:26	07:12	06:35	06:44	05:57	05:28	05:28	05:52	06:24	06:55	06:30	07:05
	16:39	17:14	17:48	19:23	19:56	20:26	20:37	20:17	19:34	18:42	16:55	16:30
2	07:26	07:11	06:34	06:42	05:56	05:27	05:29	05:53	06:25	06:56	06:31	07:06
	16:40	17:15	17:50	19:24	19:57	20:27	20:37	20:16	19:32	18:41	16:54	16:30
3	07:26	07:10	06:32	06:40	05:55	05:27	05:29	05:54	06:26	06:57	06:32	07:07
	16:41	17:16	17:51	19:25	19:58	20:27	20:37	20:15	19:30	18:39	16:53	16:30
4	07:26	07:09	06:30	06:39	05:53	05:26	05:30	05:55	06:27	06:58	06:33	07:08
	16:42	17:17	17:52	19:26	19:59	20:28	20:36	20:14	19:29	18:37	16:51	16:29
5	07:26	07:08	06:29	06:37	05:52	05:26	05:30	05:56	06:28	06:59	06:34	07:09
	16:43	17:19	17:53	19:28	20:00	20:29	20:36	20:13	19:27	18:36	16:50	16:29
6	07:26	07:07	06:27	06:35	05:51	05:26	05:31	05:57	06:29	07:00	06:36	07:10
	16:43	17:20	17:54	19:29	20:01	20:29	20:36	20:12	19:25	18:34	16:49	16:29
7	07:26	07:05	06:26	06:34	05:50	05:25	05:31	05:58	06:30	07:01	06:37	07:11
	16:44	17:21	17:55	19:30	20:02	20:30	20:36	20:10	19:24	18:32	16:48	16:29
8	07:26	07:04	06:24	06:32	05:48	05:25	05:32	05:59	06:31	07:02	06:38	07:12
	16:45	17:23	17:57	19:31	20:03	20:31	20:35	20:09	19:22	18:31	16:47	16:29
9	07:25	07:03	06:22	06:30	05:47	05:25	05:33	06:00	06:32	07:03	06:39	07:13
	16:46	17:24	17:58	19:32	20:04	20:31	20:35	20:08	19:20	18:29	16:46	16:29
10	07:25	07:02	06:21	06:29	05:46	05:25	05:33	06:01	06:33	07:04	06:40	07:14
	16:47	17:25	17:59	19:33	20:05	20:32	20:34	20:07	19:19	18:27	16:45	16:29
11	07:25	07:01	06:19	06:27	05:45	05:25	05:34	06:02	06:34	07:05	06:42	07:15
	16:49	17:26	18:00	19:34	20:06	20:32	20:34	20:05	19:17	18:26	16:44	16:29
12	07:25	06:59	06:17	06:26	05:44	05:24	05:35	06:04	06:35	07:06	06:43	07:15
	16:50	17:28	18:01	19:35	20:07	20:33	20:34	20:04	19:15	18:24	16:43	16:29
13	07:24	06:58	06:16	06:24	05:43	05:24	05:36	06:05	06:36	07:08	06:44	07:16
	16:51	17:29	18:02	19:36	20:08	20:33	20:33	20:03	19:13	18:23	16:42	16:29
14	07:24	06:57	06:14	06:22	05:42	05:24	05:36	06:06	06:37	07:09	06:45	07:17
	16:52	17:30	18:03	19:37	20:09	20:34	20:33	20:01	19:12	18:21	16:41	16:29
15	07:24	06:56	06:12	06:21	05:41	05:24	05:37	06:07	06:38	07:10	06:47	07:18
	16:53	17:31	18:05	19:38	20:10	20:34	20:32	20:00	19:10	18:19	16:40	16:30
16	07:23	06:54	06:11	06:19	05:40	05:24	05:38	06:08	06:39	07:11	06:48	07:18
	16:54	17:33	18:06	19:39	20:11	20:35	20:31	19:58	19:08	18:18	16:39	16:30
17	07:23	06:53	06:09	06:18	05:39	05:24	05:39	06:09	06:40	07:12	06:49	07:19
	16:55	17:34	18:07	19:41	20:12	20:35	20:31	19:57	19:07	18:16	16:38	16:30
18	07:22	06:51	06:07	06:16	05:38	05:24	05:40	06:10	06:41	07:13	06:50	07:20
	16:56	17:35	18:08	19:42	20:13	20:35	20:30	19:56	19:05	18:15	16:37	16:30
19	07:22	06:50	06:06	06:14	05:37	05:24	05:40	06:11	06:42	07:14	06:51	07:20
	16:58	17:36	18:09	19:43	20:14	20:36	20:29	19:54	19:03	18:13	16:37	16:31
20	07:21	06:49	06:04	06:13	05:36	05:25	05:41	06:12	06:43	07:15	06:53	07:21
	16:59	17:38	18:10	19:44	20:15	20:36	20:29	19:53	19:01	18:12	16:36	16:31
21	07:21	06:47	06:02	06:11	05:35	05:25	05:42	06:13	06:44	07:17	06:54	07:22
	17:00	17:39	18:11	19:45	20:16	20:36	20:28	19:51	19:00	18:10	16:35	16:32
22	07:20	06:46	06:01	06:10	05:34	05:25	05:43	06:14	06:45	07:18	06:55	07:22
	17:01	17:40	18:12	19:46	20:17	20:36	20:27	19:50	18:58	18:09	16:34	16:32
23	07:19	06:44	05:59	06:08	05:34	05:25	05:44	06:15	06:46	07:19	06:56	07:23
	17:02	17:41	18:13	19:47	20:18	20:37	20:26	19:48	18:56	18:07	16:34	16:33
24	07:19	06:43	05:57	06:07	05:33	05:25	05:45	06:16	06:47	07:20	06:57	07:23
	17:04	17:42	18:14	19:48	20:19	20:37	20:25	19:46	18:54	18:06	16:33	16:33
25	07:18	06:41	05:56	06:06	05:32	05:26	05:46	06:17	06:48	06:21	06:58	07:24
	17:05	17:44	18:16	19:49	20:20	20:37	20:24	19:45	18:53	17:04	16:33	16:34
26	07:17	06:40	05:54	06:04	05:31	05:26	05:47	06:18	06:49	06:22	07:00	07:24
	17:06	17:45	18:17	19:50	20:21	20:37	20:24	19:43	18:51	17:03	16:32	16:34
27	07:16	06:38	05:52	06:03	05:31	05:26	05:48	06:19	06:50	06:24	07:01	07:24
	17:07	17:46	18:18	19:51	20:22	20:37	20:23	19:42	18:49	17:02	16:32	16:35
28	07:15	06:37	05:50	06:01	05:30	05:27	05:49	06:20	06:51	06:25	07:02	07:25
	17:09	17:47	18:19	19:52	20:23	20:37	20:22	19:40	18:48	17:00	16:31	16:36
29	07:15		06:49	06:00	05:29	05:27	05:50	06:21	06:53	06:26	07:03	07:25
	17:10		19:20	19:54	20:23	20:37	20:21	19:39	18:46	16:59	16:31	16:36
30	07:14		06:47	05:59	05:29	05:28	05:51	06:22	06:54	06:27	07:04	07:25
	17:11		19:21	19:55	20:24	20:37	20:20	19:37	18:44	16:58	16:30	16:37
31	07:13		06:45		05:28		05:51	06:23		06:28		07:25
	17:12		19:22		20:25		20:19	19:35		16:56		16:38
Ore potenziali eliofanìa	296	296	369	399	450	454	461	429	375	345	297	0
Somma minuti d'ombra	0	0	0	0	0	0	0	0	0	0	0	0

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Shadow Flickering Analysis WTG: 33 - PowerWind 56
Assunzioni sui calcoli d'ombra

Probabilità di eliofanìa (media ore giornaliere di insolazione) [AMENDOLA]

Gen	Feb	Mar	Apr	Mag	Giu	Lug	Ago	Set	Ott	Nov	Dic
4.12	4.66	5.30	6.72	8.25	9.35	10.16	9.45	7.64	5.82	4.65	3.82

Tempo di operatività

N	NNE	ENE	E	ESE	SSE	S	SSO	OSO	O	ONO	NNO	Somma
437	192	40	16	67	346	208	192	120	99	425	524	2,665

: Soglia di cut-in dalla curva di potenza

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	07:25 16:39	07:12 17:14	06:35 17:48	06:44 19:23	05:57 19:56	05:28 20:26	05:28 20:37	05:52 20:17	06:24 19:34	06:54 18:42	06:29 16:55	07:05 16:30
2	07:26 16:40	07:11 17:15	06:34 17:49	06:42 19:24	05:56 19:57	05:27 20:26	05:29 20:37	05:53 20:16	06:25 19:32	06:56 18:41	06:31 16:54	07:06 16:30
3	07:26 16:41	07:10 17:16	06:32 17:51	06:40 19:25	05:54 19:58	05:27 20:27	05:29 20:36	05:54 20:15	06:26 19:30	06:57 18:39	06:32 16:52	07:07 16:29
4	07:26 16:41	07:09 17:17	06:30 17:52	06:39 19:26	05:53 19:59	05:26 20:28	05:30 20:36	05:55 20:14	06:27 19:29	06:58 18:37	06:33 16:51	07:08 16:29
5	07:26 16:42	07:07 17:19	06:29 17:53	06:37 19:27	05:52 20:00	05:26 20:29	05:30 20:36	05:56 20:13	06:28 19:27	06:59 18:36	06:34 16:50	07:09 16:29
6	07:26 16:43	07:06 17:20	06:27 17:54	06:35 19:28	05:51 20:01	05:26 20:29	05:31 20:36	05:57 20:12	06:29 19:25	07:00 18:34	06:35 16:49	07:10 16:29
7	07:26 16:44	07:05 17:21	06:26 17:55	06:34 19:30	05:49 20:02	05:25 20:30	05:31 20:35	05:58 20:10	06:30 19:24	07:01 18:32	06:37 16:48	07:11 16:29
8	07:25 16:45	07:04 17:22	06:24 17:56	06:32 19:31	05:48 20:03	05:25 20:30	05:32 20:35	05:59 20:09	06:31 19:22	07:02 18:31	06:38 16:47	07:12 16:29
9	07:25 16:46	07:03 17:24	06:22 17:58	06:30 19:32	05:47 20:04	05:25 20:31	05:33 20:35	06:00 20:08	06:32 19:20	07:03 18:29	06:39 16:46	07:13 16:29
10	07:25 16:47	07:02 17:25	06:21 17:59	06:29 19:33	05:46 20:05	05:25 20:32	05:33 20:34	06:01 20:06	06:33 19:18	07:04 18:27	06:40 16:45	07:14 16:29
11	07:25 16:48	07:00 17:26	06:19 18:00	06:27 19:34	05:45 20:06	05:25 20:32	05:34 20:34	06:02 20:05	06:34 19:17	07:05 18:26	06:42 16:44	07:14 16:29
12	07:25 16:50	06:59 17:28	06:17 18:01	06:25 19:35	05:44 20:07	05:24 20:33	05:35 20:33	06:03 20:04	06:35 19:15	07:06 18:24	06:43 16:43	07:15 16:29
13	07:24 16:51	06:58 17:29	06:16 18:02	06:24 19:36	05:43 20:08	05:24 20:33	05:36 20:33	06:04 20:02	06:36 19:13	07:07 18:22	06:44 16:42	07:16 16:29
14	07:24 16:52	06:57 17:30	06:14 18:03	06:22 19:37	05:42 20:09	05:24 20:34	05:36 20:32	06:05 20:01	06:37 19:12	07:09 18:21	06:45 16:41	07:17 16:29
15	07:24 16:53	06:55 17:31	06:12 18:04	06:21 19:38	05:41 20:10	05:24 20:34	05:37 20:32	06:06 20:00	06:38 19:10	07:10 18:19	06:46 16:40	07:18 16:29
16	07:23 16:54	06:54 17:33	06:11 18:05	06:19 19:39	05:40 20:11	05:24 20:34	05:38 20:31	06:07 19:58	06:39 19:08	07:11 18:18	06:48 16:39	07:18 16:30
17	07:23 16:55	06:53 17:34	06:09 18:07	06:17 19:40	05:39 20:12	05:24 20:35	05:39 20:31	06:08 19:57	06:40 19:06	07:12 18:16	06:49 16:38	07:19 16:30
18	07:22 16:56	06:51 17:35	06:07 18:08	06:16 19:42	05:38 20:13	05:24 20:35	05:40 20:30	06:10 19:55	06:41 19:05	07:13 18:15	06:50 16:37	07:20 16:30
19	07:22 16:57	06:50 17:36	06:06 18:09	06:14 19:43	05:37 20:14	05:24 20:36	05:40 20:29	06:11 19:54	06:42 19:03	07:14 18:13	06:51 16:36	07:20 16:31
20	07:21 16:59	06:48 17:37	06:04 18:10	06:13 19:44	05:36 20:15	05:25 20:36	05:41 20:28	06:12 19:52	06:43 19:01	07:15 18:12	06:52 16:36	07:21 16:31
21	07:20 17:00	06:47 17:39	06:02 18:11	06:11 19:45	05:35 20:16	05:25 20:36	05:42 20:28	06:13 19:51	06:44 18:59	07:16 18:10	06:54 16:35	07:21 16:31
22	07:20 17:01	06:46 17:40	06:01 18:12	06:10 19:46	05:34 20:17	05:25 20:36	05:43 20:27	06:14 19:49	06:45 18:58	07:18 18:09	06:55 16:34	07:22 16:32
23	07:19 17:02	06:44 17:41	05:59 18:13	06:08 19:47	05:33 20:18	05:25 20:36	05:44 20:26	06:15 19:48	06:46 18:56	07:19 18:07	06:56 16:34	07:22 16:32
24	07:18 17:04	06:43 17:42	05:57 18:14	06:07 19:48	05:33 20:19	05:25 20:37	05:45 20:25	06:16 19:46	06:47 18:54	07:20 18:06	06:57 16:33	07:23 16:33
25	07:18 17:05	06:41 17:44	05:55 18:15	06:05 19:49	05:32 20:20	05:26 20:37	05:46 20:24	06:17 19:45	06:48 18:53	06:21 17:04	06:58 16:33	07:23 16:34
26	07:17 17:06	06:40 17:45	05:54 18:17	06:04 19:50	05:31 20:21	05:26 20:37	05:47 20:23	06:18 19:43	06:49 18:51	06:22 17:03	06:59 16:32	07:24 16:34
27	07:16 17:07	06:38 17:46	05:52 18:18	06:03 19:51	05:31 20:22	05:26 20:37	05:48 20:22	06:19 19:42	06:50 18:49	06:23 17:02	07:00 16:32	07:24 16:35
28	07:15 17:09	06:37 17:47	05:50 18:19	06:01 19:52	05:30 20:22	05:27 20:37	05:48 20:21	06:20 19:40	06:51 18:47	06:25 17:00	07:02 16:31	07:24 16:36
29	07:14 17:10		06:49 19:20	06:00 19:53	05:29 20:23	05:27 20:37	05:49 20:20	06:21 19:38	06:52 18:46	06:26 16:59	07:03 16:31	07:25 16:36
30	07:13 17:11		06:47 19:21	05:58 19:55	05:29 20:24	05:28 20:37	05:50 20:19	06:22 19:37	06:53 18:44	06:27 16:57	07:04 16:30	07:25 16:37
31	07:13 17:12		06:45 19:22		05:28 20:25		05:51 20:18	06:23 19:35		06:28 16:56		07:25 16:38
Ore potenziali eliofanìa	296	296	369	399	450	454	461	429	375	345	297	286
Somma minuti d'ombra	0	0	0	0	0	0	0	0	0	0	0	0

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Shadow Flickering AnalysisWTG: 34 - PowerWind 56

Assunzioni sui calcoli d'ombra

Probabilità di eliofanìa (media ore giornaliere di insolazione) [AMENDOLA]

Gen	Feb	Mar	Apr	Mag	Giu	Lug	Ago	Set	Ott	Nov	Dic
4.12	4.66	5.30	6.72	8.25	9.35	10.16	9.45	7.64	5.82	4.65	3.82

Tempo di operatività

N	NNE	ENE	E	ESE	SSE	S	SSO	OSO	O	ONO	NNO	Somma
437	192	40	16	67	346	208	192	120	99	425	524	2,665

: Soglia di cut-in dalla curva di potenza

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	07:26 16:40	07:12 17:14	06:36 17:49	06:44 19:24	05:58 19:56	05:28 20:26	05:29 20:37	05:53 20:18	06:24 19:34	06:55 18:43	06:30 16:56	07:06 16:31
2	07:26 16:40	07:11 17:15	06:34 17:50	06:43 19:25	05:56 19:57	05:28 20:27	05:29 20:37	05:54 20:17	06:25 19:33	06:56 18:41	06:31 16:54	07:07 16:30
3	07:26 16:41	07:10 17:17	06:33 17:51	06:41 19:26	05:55 19:58	05:27 20:28	05:30 20:37	05:55 20:16	06:27 19:31	06:57 18:40	06:33 16:53	07:08 16:30
4	07:26 16:42	07:09 17:18	06:31 17:52	06:39 19:27	05:54 20:00	05:27 20:29	05:30 20:37	05:56 20:15	06:28 19:29	06:58 18:38	06:34 16:52	07:09 16:30
5	07:26 16:43	07:08 17:19	06:29 17:54	06:38 19:28	05:53 20:01	05:27 20:29	05:31 20:37	05:57 20:13	06:29 19:28	06:59 18:36	06:35 16:51	07:10 16:30
6	07:26 16:44	07:07 17:21	06:28 17:55	06:36 19:29	05:51 20:02	05:26 20:30	05:31 20:36	05:58 20:12	06:30 19:26	07:01 18:35	06:36 16:50	07:11 16:30
7	07:26 16:45	07:06 17:22	06:26 17:56	06:34 19:30	05:50 20:03	05:26 20:31	05:32 20:36	05:59 20:11	06:31 19:24	07:02 18:33	06:37 16:48	07:12 16:29
8	07:26 16:46	07:05 17:23	06:25 17:57	06:33 19:31	05:49 20:04	05:26 20:31	05:33 20:36	06:00 20:10	06:32 19:23	07:03 18:31	06:39 16:47	07:13 16:29
9	07:26 16:47	07:04 17:24	06:23 17:58	06:31 19:32	05:48 20:05	05:26 20:32	05:33 20:35	06:01 20:08	06:33 19:21	07:04 18:30	06:40 16:46	07:13 16:29
10	07:26 16:48	07:02 17:26	06:21 17:59	06:29 19:34	05:47 20:06	05:25 20:32	05:34 20:35	06:02 20:07	06:34 19:19	07:05 18:28	06:41 16:45	07:14 16:29
11	07:26 16:49	07:01 17:27	06:20 18:01	06:28 19:35	05:45 20:07	05:25 20:33	05:35 20:35	06:03 20:06	06:35 19:17	07:06 18:26	06:42 16:44	07:15 16:29
12	07:25 16:50	07:00 17:28	06:18 18:02	06:26 19:36	05:44 20:08	05:25 20:33	05:35 20:34	06:04 20:05	06:36 19:16	07:07 18:25	06:43 16:43	07:16 16:30
13	07:25 16:51	06:59 17:29	06:16 18:03	06:24 19:37	05:43 20:09	05:25 20:34	05:36 20:34	06:05 20:03	06:37 19:14	07:08 18:23	06:45 16:42	07:17 16:30
14	07:25 16:52	06:57 17:31	06:15 18:04	06:23 19:38	05:42 20:10	05:25 20:34	05:37 20:33	06:06 20:02	06:38 19:12	07:09 18:22	06:46 16:41	07:18 16:30
15	07:24 16:53	06:56 17:32	06:13 18:05	06:21 19:39	05:41 20:11	05:25 20:35	05:38 20:33	06:07 20:00	06:39 19:11	07:10 18:20	06:47 16:40	07:18 16:30
16	07:24 16:55	06:55 17:33	06:11 18:06	06:20 19:40	05:40 20:12	05:25 20:35	05:39 20:32	06:08 19:59	06:40 19:09	07:11 18:18	06:48 16:39	07:19 16:30
17	07:23 16:56	06:53 17:34	06:10 18:07	06:18 19:41	05:39 20:13	05:25 20:36	05:39 20:31	06:09 19:58	06:41 19:07	07:13 18:17	06:50 16:39	07:20 16:31
18	07:23 16:57	06:52 17:36	06:08 18:08	06:17 19:42	05:38 20:14	05:25 20:36	05:40 20:31	06:10 19:56	06:42 19:05	07:14 18:15	06:51 16:38	07:20 16:31
19	07:22 16:58	06:51 17:37	06:06 18:10	06:15 19:43	05:37 20:15	05:25 20:36	05:41 20:30	06:11 19:55	06:43 19:04	07:15 18:14	06:52 16:37	07:21 16:31
20	07:22 16:59	06:49 17:38	06:05 18:11	06:14 19:44	05:37 20:16	05:25 20:37	05:42 20:29	06:12 19:53	06:44 19:02	07:16 18:12	06:53 16:36	07:22 16:32
21	07:21 17:01	06:48 17:39	06:03 18:12	06:12 19:45	05:36 20:17	05:25 20:37	05:43 20:28	06:13 19:52	06:45 19:00	07:17 18:11	06:54 16:36	07:22 16:32
22	07:21 17:02	06:46 17:41	06:01 18:13	06:11 19:47	05:35 20:18	05:26 20:37	05:44 20:28	06:14 19:50	06:46 18:58	07:18 18:09	06:55 16:35	07:23 16:33
23	07:20 17:03	06:45 17:42	05:59 18:14	06:09 19:48	05:34 20:19	05:26 20:37	05:44 20:27	06:15 19:49	06:47 18:57	07:19 18:08	06:57 16:34	07:23 16:33
24	07:19 17:04	06:43 17:43	05:58 18:15	06:08 19:49	05:33 20:20	05:26 20:37	05:45 20:26	06:16 19:47	06:48 18:55	07:21 18:06	06:58 16:34	07:24 16:34
25	07:18 17:05	06:42 17:44	05:56 18:16	06:06 19:50	05:33 20:21	05:26 20:37	05:46 20:25	06:17 19:45	06:49 18:53	06:22 17:05	06:59 16:33	07:24 16:34
26	07:18 17:07	06:40 17:45	05:54 18:17	06:05 19:51	05:32 20:21	05:27 20:38	05:47 20:24	06:18 19:44	06:50 18:52	06:23 17:04	07:00 16:33	07:25 16:35
27	07:17 17:08	06:39 17:47	05:53 18:18	06:03 19:52	05:31 20:22	05:27 20:38	05:48 20:23	06:19 19:42	06:51 18:50	06:24 17:02	07:01 16:32	07:25 16:36
28	07:16 17:09	06:37 17:48	05:51 18:19	06:02 19:53	05:31 20:23	05:27 20:38	05:49 20:22	06:20 19:41	06:52 18:48	06:25 17:01	07:02 16:32	07:25 16:36
29	07:15 17:10		06:49 19:20	06:00 19:54	05:30 20:24	05:28 20:38	05:50 20:21	06:21 19:39	06:53 18:46	06:27 16:59	07:03 16:31	07:25 16:37
30	07:14 17:12		06:48 19:22	05:59 19:55	05:29 20:25	05:28 20:38	05:51 20:20	06:22 19:38	06:54 18:45	06:28 16:58	07:05 16:31	07:26 16:38
31	07:13 17:13		06:46 19:23		05:29 20:26		05:52 20:19	06:23 19:36		06:29 16:57		07:26 16:38
Ore potenziali eliofanìa	296	296	369	399	450	454	461	429	375	345	297	286
Somma minuti d'ombra	0	0	0	0	0	0	0	0	0	0	0	0

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
 Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Shadow Flickering Analysis **WTG: 35 - REpower 57/1000 1050-250 57.0 !-I hub: 55.0 m (TOT: 83.5 m) (6)**
Assunzioni sui calcoli d'ombra Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
437 192 40 16 67 346 208 192 120 99 425 524 2,665
: Soglia di cut-in dalla curva di potenza

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	07:25 16:39	07:11 17:13	06:35 17:48	06:43 19:23	05:57 19:55	05:27 20:25	05:28 20:36	05:52 20:17	06:24 19:33	06:54 18:42	06:29 16:55	07:05 16:30
2	07:25 16:39	07:10 17:15	06:33 17:49	06:42 19:24	05:55 19:56	05:27 20:26	05:28 20:36	05:53 20:16	06:25 19:32	06:55 18:40	06:30 16:53	07:06 16:29
3	07:25 16:40	07:09 17:16	06:32 17:50	06:40 19:25	05:54 19:58	05:26 20:27	05:29 20:36	05:54 20:15	06:26 19:30	06:56 18:39	06:32 16:52	07:07 16:29
4	07:25 16:41	07:08 17:17	06:30 17:52	06:38 19:26	05:53 19:59	05:26 20:28	05:29 20:36	05:55 20:14	06:27 19:28	06:57 18:37	06:33 16:51	07:08 16:29
5	07:25 16:42	07:07 17:18	06:29 17:53	06:37 19:27	05:52 20:00	05:26 20:28	05:30 20:36	05:56 20:12	06:28 19:27	06:58 18:35	06:34 16:50	07:09 16:29
6	07:25 16:43	07:06 17:20	06:27 17:54	06:35 19:28	05:50 20:01	05:25 20:29	05:30 20:36	05:57 20:11	06:29 19:25	07:00 18:34	06:35 16:49	07:10 16:29
7	07:25 16:44	07:05 17:21	06:25 17:55	06:33 19:29	05:49 20:02	05:25 20:30	05:31 20:35	05:58 20:10	06:30 19:23	07:01 18:32	06:36 16:47	07:11 16:29
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31	07:12 17:12		06:45 19:22		05:28 20:25		05:51 20:18	06:23 19:35		06:28 16:56		07:25 16:38
Ore potenziali eliofania	296	296	369	399	450	454	461	429	375	345	297	0
Somma minuti d'ombra	0	0	0	0	0	0	0	0	0	0	0	0

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
 Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Shadow Flickering Analysis **WTG: 36 - REpower 57/1000 1050-250 57.0 !-I hub: 55.0 m (TOT: 83.5 m) (7)**
Assunzioni sui calcoli d'ombra

Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]
Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività
N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
437 192 40 16 67 346 208 192 120 99 425 524 2,665
: Soglia di cut-in dalla curva di potenza

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	07:25 16:39	07:11 17:13	06:35 17:48	06:43 19:23	05:57 19:55	05:27 20:25	05:28 20:36	05:52 20:17	06:24 19:33	06:54 18:42	06:29 16:55	07:05 16:30
2	07:25 16:39	07:10 17:15	06:33 17:49	06:42 19:24	05:55 19:56	05:27 20:26	05:28 20:36	05:53 20:16	06:25 19:32	06:55 18:40	06:30 16:53	07:06 16:29
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31	07:12 17:12		06:45 19:22		05:28 20:25		05:51 20:18	06:22 19:35		06:28 16:56		07:25 16:37
Ore potenziali eliofania	296	296	369	399	450	454	461	429	375	345	297	286
Somma minuti d'ombra	0	0	0	0	0	0	0	0	0	0	0	0

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Shadow Flickering Analysis WTG: 37 - REpower 57/1000 1050-250 57.0 !-I hub: 55.0 m (TOT: 83.5 m) (8)
 Assunzioni sui calcoli d'ombra Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
 4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
 437 192 40 16 67 346 208 192 120 99 425 524 2,665
 : Soglia di cut-in dalla curva di potenza

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	07:25 16:39	07:11 17:13	06:35 17:48	06:43 19:23	05:57 19:55	05:27 20:25	05:28 20:36	05:52 20:17	06:24 19:33	06:54 18:42	06:29 16:55	07:05 16:30
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25	07:17 17:04	06:41 17:43	05:55 18:15	06:05 19:49	05:32 20:20	05:25 20:36	05:45 20:24	06:16 19:44	06:48 18:52	06:21 17:04	06:58 16:32	07:23 16:33
26	07:17 17:06	06:39 17:44	05:53 18:16	06:04 19:50	05:31 20:20	05:26 20:37	05:46 20:23	06:17 19:43	06:49 18:51	06:22 17:03	06:59 16:32	07:23 16:34
27	07:16 17:07	06:38 17:46	05:52 18:17	06:02 19:51	05:30 20:21	05:26 20:37	05:47 20:22	06:18 19:41	06:50 18:49	06:23 17:01	07:00 16:31	07:24 16:35
28	07:15 17:08	06:36 17:47	05:50 18:18	06:01 19:52	05:30 20:22	05:26 20:37	05:48 20:21	06:19 19:40	06:51 18:47	06:24 17:00	07:01 16:31	07:24 16:35
29	07:14 17:09		06:48 19:19	05:59 19:53	05:29 20:23	05:27 20:37	05:49 20:20	06:20 19:38	06:52 18:45	06:26 16:58	07:02 16:30	07:24 16:36
30	07:13 17:11		06:47 19:21	05:58 19:54	05:28 20:24	05:27 20:37	05:50 20:19	06:21 19:37	06:53 18:44	06:27 16:57	07:03 16:30	07:25 16:37
31	07:12 17:12		06:45 19:22		05:28 20:25		05:51 20:18	06:22 19:35		06:28 16:56		07:25 16:37
Ore potenziali eliofania	296	296	369	399	450	454	461	429	375	345	297	286
Somma minuti d'ombra	0	0	0	0	0	0	0	0	0	0	0	0

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
 Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Shadow Flickering AnalysisWTG: 38 - R80680
Assunzioni sui calcoli d'ombra

Probabilità di eliofanìa (media ore giornaliere di insolazione) [AMENDOLA]

Gen	Feb	Mar	Apr	Mag	Giu	Lug	Ago	Set	Ott	Nov	Dic
4.12	4.66	5.30	6.72	8.25	9.35	10.16	9.45	7.64	5.82	4.65	3.82

Tempo di operatività

N	NNE	ENE	E	ESE	SSE	S	SSO	OSO	O	ONO	NNO	Somma
437	192	40	16	67	346	208	192	120	99	425	524	2,665

: Soglia di cut-in dalla curva di potenza

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	07:26 16:40	07:12 17:14	06:36 17:49	06:44 19:24	05:58 19:56	05:28 20:26	05:29 20:37	05:53 20:18	06:25 19:34	06:55 18:43	06:30 16:56	07:06 16:31
2	07:26 16:40	07:11 17:16	06:34 17:50	06:43 19:25	05:57 19:57	05:28 20:27	05:29 20:37	05:54 20:17	06:26 19:33	06:56 18:41	06:31 16:54	07:07 16:30
3	07:26 16:41	07:10 17:17	06:33 17:51	06:41 19:26	05:55 19:59	05:28 20:28	05:30 20:37	05:55 20:16	06:27 19:31	06:57 18:40	06:33 16:53	07:08 16:30
4	07:26 16:42	07:09 17:18	06:31 17:53	06:39 19:27	05:54 20:00	05:27 20:29	05:30 20:37	05:56 20:15	06:28 19:29	06:58 18:38	06:34 16:52	07:09 16:30
5	07:26 16:43	07:08 17:19	06:30 17:54	06:38 19:28	05:53 20:01	05:27 20:29	05:31 20:37	05:57 20:13	06:29 19:28	07:00 18:36	06:35 16:51	07:10 16:30
6	07:26 16:44	07:07 17:21	06:28 17:55	06:36 19:29	05:51 20:02	05:26 20:30	05:32 20:36	05:58 20:12	06:30 19:26	07:01 18:35	06:36 16:50	07:11 16:30
7	07:26 16:45	07:06 17:22	06:26 17:56	06:34 19:30	05:50 20:03	05:26 20:31	05:32 20:36	05:59 20:11	06:31 19:24	07:02 18:33	06:37 16:49	07:12 16:30
8	07:26 16:46	07:05 17:23	06:25 17:57	06:33 19:31	05:49 20:04	05:26 20:31	05:33 20:36	06:00 20:10	06:32 19:23	07:03 18:31	06:39 16:47	07:13 16:29
9	07:26 16:47	07:04 17:24	06:23 17:58	06:31 19:33	05:48 20:05	05:26 20:32	05:33 20:35	06:01 20:09	06:33 19:21	07:04 18:30	06:40 16:46	07:13 16:29
10	07:26 16:48	07:02 17:26	06:21 17:59	06:29 19:34	05:47 20:06	05:25 20:32	05:34 20:35	06:02 20:07	06:34 19:19	07:05 18:28	06:41 16:45	07:14 16:29
11	07:26 16:49	07:01 17:27	06:20 18:01	06:28 19:35	05:46 20:07	05:25 20:33	05:35 20:35	06:03 20:06	06:35 19:17	07:06 18:26	06:42 16:44	07:15 16:30
12	07:25 16:50	07:00 17:28	06:18 18:02	06:26 19:36	05:44 20:08	05:25 20:33	05:36 20:34	06:04 20:05	06:36 19:16	07:07 18:25	06:44 16:43	07:16 16:30
13	07:25 16:51	06:59 17:30	06:16 18:03	06:25 19:37	05:43 20:09	05:25 20:34	05:36 20:34	06:05 20:03	06:37 19:14	07:08 18:23	06:45 16:42	07:17 16:30
14	07:25 16:52	06:57 17:31	06:15 18:04	06:23 19:38	05:42 20:10	05:25 20:34	05:37 20:33	06:06 20:02	06:38 19:12	07:09 18:22	06:46 16:41	07:18 16:30
15	07:24 16:54	06:56 17:32	06:13 18:05	06:21 19:39	05:41 20:11	05:25 20:35	05:38 20:33	06:07 20:00	06:39 19:11	07:10 18:20	06:47 16:40	07:18 16:30
16	07:24 16:55	06:55 17:33	06:11 18:06	06:20 19:40	05:40 20:12	05:25 20:35	05:39 20:32	06:08 19:59	06:40 19:09	07:12 18:18	06:48 16:40	07:19 16:30
17	07:23 16:56	06:53 17:35	06:10 18:07	06:18 19:41	05:39 20:13	05:25 20:36	05:39 20:31	06:09 19:58	06:41 19:07	07:13 18:17	06:50 16:39	07:20 16:31
18	07:23 16:57	06:52 17:36	06:08 18:08	06:17 19:42	05:38 20:14	05:25 20:36	05:40 20:31	06:10 19:56	06:42 19:05	07:14 18:15	06:51 16:38	07:20 16:31
19	07:22 16:58	06:51 17:37	06:06 18:10	06:15 19:43	05:38 20:15	05:25 20:36	05:41 20:30	06:11 19:55	06:43 19:04	07:15 18:14	06:52 16:37	07:21 16:31
20	07:22 16:59	06:49 17:38	06:05 18:11	06:14 19:44	05:37 20:16	05:25 20:37	05:42 20:29	06:12 19:53	06:44 19:02	07:16 18:12	06:53 16:36	07:22 16:32
21	07:21 17:01	06:48 17:39	06:03 18:12	06:12 19:46	05:36 20:17	05:25 20:37	05:43 20:28	06:13 19:52	06:45 19:00	07:17 18:11	06:54 16:36	07:22 16:32
22	07:21 17:02	06:46 17:41	06:01 18:13	06:11 19:47	05:35 20:18	05:26 20:37	05:44 20:28	06:14 19:50	06:46 18:59	07:18 18:09	06:56 16:35	07:23 16:33
23	07:20 17:03	06:45 17:42	06:00 18:14	06:09 19:48	05:34 20:19	05:26 20:37	05:45 20:27	06:15 19:49	06:47 18:57	07:20 18:08	06:57 16:34	07:23 16:33
24	07:19 17:04	06:43 17:43	05:58 18:15	06:08 19:49	05:33 20:20	05:26 20:37	05:46 20:26	06:16 19:47	06:48 18:55	07:21 18:06	06:58 16:34	07:24 16:34
25	07:18 17:06	06:42 17:44	05:56 18:16	06:06 19:50	05:33 20:21	05:26 20:37	05:46 20:25	06:17 19:46	06:49 18:53	06:22 17:05	06:59 16:33	07:24 16:34
26	07:18 17:07	06:40 17:45	05:54 18:17	06:05 19:51	05:32 20:21	05:27 20:38	05:47 20:24	06:18 19:44	06:50 18:52	06:23 17:04	07:00 16:33	07:25 16:35
27	07:17 17:08	06:39 17:47	05:53 18:18	06:03 19:52	05:31 20:22	05:27 20:38	05:48 20:23	06:19 19:42	06:51 18:50	06:24 17:02	07:01 16:32	07:25 16:36
28	07:16 17:09	06:37 17:48	05:51 18:19	06:02 19:53	05:31 20:23	05:27 20:38	05:49 20:22	06:20 19:41	06:52 18:48	06:25 17:01	07:02 16:32	07:25 16:36
29	07:15 17:11		06:49 19:21	06:01 19:54	05:30 20:24	05:28 20:38	05:50 20:21	06:22 19:39	06:53 18:46	06:27 17:00	07:03 16:31	07:25 16:37
30	07:14 17:12		06:48 19:22	05:59 19:55	05:29 20:25	05:28 20:38	05:51 20:20	06:23 19:38	06:54 18:45	06:28 16:58	07:05 16:31	07:26 16:38
31	07:13 17:13		06:46 19:23		05:29 20:26		05:52 20:19	06:24 19:36		06:29 16:57		07:26 16:39
Ore potenziali eliofanìa	296	296	369	399	450	454	461	429	375	345	297	0
Somma minuti d'ombra	0	0	0	0	0	0	0	0	0	0	0	0

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
 Tramonto (hh:mm)Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Shadow Flickering Analysis **WTG: 39 - REpower 57/1000 1050-250 57.0 I-I hub: 55.0 m (TOT: 83.5 m) (10)**
Assunzioni sui calcoli d'ombra

Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]
Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
437 192 40 16 67 346 208 192 120 99 425 524 2,665
: Soglia di cut-in dalla curva di potenza

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	07:26 16:40	07:12 17:14	06:36 17:49	06:44 19:24	05:58 19:56	05:28 20:26	05:29 20:37	05:53 20:18	06:25 19:34	06:55 18:43	06:30 16:56	07:06 16:31
2	07:26 16:40	07:11 17:16	06:34 17:50	06:43 19:25	05:57 19:57	05:28 20:27	05:29 20:37	05:54 20:17	06:26 19:33	06:56 18:41	06:31 16:54	07:07 16:30
3	07:26 16:41	07:10 17:17	06:33 17:51	06:41 19:26	05:55 19:59	05:28 20:28	05:30 20:37	05:55 20:16	06:27 19:31	06:57 18:40	06:33 16:53	07:08 16:30
4	07:26 16:42	07:09 17:18	06:31 17:53	06:39 19:27	05:54 20:00	05:27 20:29	05:30 20:37	05:56 20:15	06:28 19:29	06:58 18:38	06:34 16:52	07:09 16:30
5	07:26 16:43	07:08 17:19	06:30 17:54	06:38 19:28	05:53 20:01	05:27 20:29	05:31 20:37	05:57 20:14	06:29 19:28	07:00 18:36	06:35 16:51	07:10 16:30
6	07:26 16:44	07:07 17:21	06:28 17:55	06:36 19:29	05:51 20:02	05:26 20:30	05:32 20:37	05:58 20:12	06:30 19:26	07:01 18:35	06:36 16:50	07:11 16:30
7	07:26 16:45	07:06 17:22	06:26 17:56	06:34 19:30	05:50 20:03	05:26 20:31	05:32 20:36	05:59 20:11	06:31 19:24	07:02 18:33	06:37 16:49	07:12 16:30
8	07:26 16:46	07:05 17:23	06:25 17:57	06:33 19:31	05:49 20:04	05:26 20:31	05:33 20:36	06:00 20:10	06:32 19:23	07:03 18:31	06:39 16:47	07:13 16:30
9	07:26 16:47	07:04 17:24	06:23 17:58	06:31 19:33	05:48 20:05	05:26 20:32	05:33 20:36	06:01 20:09	06:33 19:21	07:04 18:30	06:40 16:46	07:13 16:29
10	07:26 16:48	07:03 17:26	06:21 18:00	06:29 19:34	05:47 20:06	05:25 20:32	05:34 20:35	06:02 20:07	06:34 19:19	07:05 18:28	06:41 16:45	07:14 16:29
11	07:26 16:49	07:01 17:27	06:20 18:01	06:28 19:35	05:46 20:07	05:25 20:33	05:35 20:35	06:03 20:06	06:35 19:18	07:06 18:26	06:42 16:44	07:15 16:30
12	07:25 16:50	07:00 17:28	06:18 18:02	06:26 19:36	05:44 20:08	05:25 20:34	05:36 20:34	06:04 20:05	06:36 19:16	07:07 18:25	06:44 16:43	07:16 16:30
13	07:25 16:51	06:59 17:30	06:16 18:03	06:25 19:37	05:43 20:09	05:25 20:34	05:36 20:34	06:05 20:03	06:37 19:14	07:08 18:23	06:45 16:42	07:17 16:30
14	07:25 16:52	06:57 17:31	06:15 18:04	06:23 19:38	05:42 20:10	05:25 20:34	05:37 20:33	06:06 20:02	06:38 19:12	07:09 18:22	06:46 16:41	07:18 16:30
15	07:24 16:54	06:56 17:32	06:13 18:05	06:21 19:39	05:41 20:11	05:25 20:35	05:38 20:33	06:07 20:00	06:39 19:11	07:10 18:20	06:47 16:40	07:18 16:30
16	07:24 16:55	06:55 17:33	06:11 18:06	06:20 19:40	05:40 20:12	05:25 20:35	05:39 20:32	06:08 19:59	06:40 19:09	07:12 18:18	06:48 16:40	07:19 16:30
17	07:23 16:56	06:53 17:35	06:10 18:07	06:18 19:41	05:39 20:13	05:25 20:36	05:39 20:31	06:09 19:58	06:41 19:07	07:13 18:17	06:50 16:39	07:20 16:31
18	07:23 16:57	06:52 17:36	06:08 18:08	06:17 19:42	05:38 20:14	05:25 20:36	05:40 20:31	06:10 19:56	06:42 19:05	07:14 18:15	06:51 16:38	07:20 16:31
19	07:22 16:58	06:51 17:37	06:06 18:10	06:15 19:43	05:38 20:15	05:25 20:36	05:41 20:30	06:11 19:55	06:43 19:04	07:15 18:14	06:52 16:37	07:21 16:31
20	07:22 16:59	06:49 17:38	06:05 18:11	06:14 19:44	05:37 20:16	05:25 20:37	05:42 20:29	06:12 19:53	06:44 19:02	07:16 18:12	06:53 16:36	07:22 16:32
21	07:21 17:01	06:48 17:39	06:03 18:12	06:12 19:46	05:36 20:17	05:25 20:37	05:43 20:28	06:13 19:52	06:45 19:00	07:17 18:11	06:54 16:36	07:22 16:32
22	07:21 17:02	06:46 17:41	06:01 18:13	06:11 19:47	05:35 20:18	05:26 20:37	05:44 20:28	06:14 19:50	06:46 18:59	07:18 18:09	06:56 16:35	07:23 16:33
23	07:20 17:03	06:45 17:42	06:00 18:14	06:09 19:48	05:34 20:19	05:26 20:37	05:45 20:27	06:15 19:49	06:47 18:57	07:20 18:08	06:57 16:34	07:23 16:33
24	07:19 17:04	06:43 17:43	05:58 18:15	06:08 19:49	05:33 20:20	05:26 20:37	05:46 20:26	06:16 19:47	06:48 18:55	07:21 18:06	06:58 16:34	07:24 16:34
25	07:18 17:06	06:42 17:44	05:56 18:16	06:06 19:50	05:33 20:21	05:26 20:37	05:46 20:25	06:17 19:46	06:49 18:53	06:22 17:05	06:59 16:33	07:24 16:34
26	07:18 17:07	06:40 17:45	05:54 18:17	06:05 19:51	05:32 20:21	05:27 20:38	05:47 20:24	06:18 19:44	06:50 18:52	06:23 17:04	07:00 16:33	07:25 16:35
27	07:17 17:08	06:39 17:47	05:53 18:18	06:03 19:52	05:31 20:22	05:27 20:38	05:48 20:23	06:19 19:42	06:51 18:50	06:24 17:02	07:01 16:32	07:25 16:36
28	07:16 17:09	06:37 17:48	05:51 18:19	06:02 19:53	05:31 20:23	05:27 20:38	05:49 20:22	06:21 19:41	06:52 18:48	06:25 17:01	07:02 16:32	07:25 16:36
29	07:15 17:11		06:49 19:21	06:01 19:54	05:30 20:24	05:28 20:38	05:50 20:21	06:22 19:39	06:53 18:46	06:27 17:00	07:03 16:31	07:26 16:37
30	07:14 17:12		06:48 19:22	05:59 19:55	05:29 20:25	05:28 20:38	05:51 20:20	06:23 19:38	06:54 18:45	06:28 16:58	07:05 16:31	07:26 16:38
31	07:13 17:13		06:46 19:23		05:29 20:26		05:52 20:19	06:24 19:36		06:29 16:57		07:26 16:39
Ore potenziali eliofania	296	296	369	399	450	454	461	429	375	345	297	0
Somma minuti d'ombra	0	0	0	0	0	0	0	0	0	0	0	0

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Shadow Flickering Analysis **WTG: 40 - REpower 57/1000 1050-250 57.0 I-I hub: 55.0 m (TOT: 83.5 m) (12)**
Assunzioni sui calcoli d'ombra Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
437 192 40 16 67 346 208 192 120 99 425 524 2,665
: Soglia di cut-in dalla curva di potenza

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	07:26 16:40	07:12 17:14	06:36 17:49	06:44 19:24	05:58 19:56	05:28 20:26	05:29 20:37	05:53 20:18	06:25 19:34	06:55 18:43	06:30 16:56	07:06 16:31
2	07:26 16:41	07:11 17:16	06:34 17:50	06:43 19:25	05:57 19:57	05:28 20:27	05:29 20:37	05:54 20:17	06:26 19:33	06:56 18:41	06:31 16:54	07:07 16:30
3	07:26 16:41	07:10 17:17	06:33 17:51	06:41 19:26	05:55 19:59	05:28 20:28	05:30 20:37	05:55 20:16	06:27 19:31	06:57 18:40	06:33 16:53	07:08 16:30
4	07:26 16:42	07:09 17:18	06:31 17:53	06:39 19:27	05:54 20:00	05:27 20:29	05:30 20:37	05:56 20:15	06:28 19:29	06:58 18:38	06:34 16:52	07:09 16:30
5	07:26 16:43	07:08 17:19	06:30 17:54	06:38 19:28	05:53 20:01	05:27 20:29	05:31 20:37	05:57 20:14	06:29 19:28	07:00 18:36	06:35 16:51	07:10 16:30
6	07:26 16:44	07:07 17:21	06:28 17:55	06:36 19:29	05:51 20:02	05:26 20:30	05:32 20:37	05:58 20:12	06:30 19:26	07:01 18:35	06:36 16:50	07:11 16:30
7	07:26 16:45	07:06 17:22	06:26 17:56	06:34 19:30	05:50 20:03	05:26 20:31	05:32 20:36	05:59 20:11	06:31 19:24	07:02 18:33	06:37 16:49	07:12 16:30
8	07:26 16:46	07:05 17:23	06:25 17:57	06:33 19:31	05:49 20:04	05:26 20:31	05:33 20:36	06:00 20:10	06:32 19:23	07:03 18:31	06:39 16:47	07:13 16:30
9	07:26 16:47	07:04 17:25	06:23 17:58	06:31 19:33	05:48 20:05	05:26 20:32	05:33 20:36	06:01 20:09	06:33 19:21	07:04 18:30	06:40 16:46	07:13 16:29
10	07:26 16:48	07:03 17:26	06:21 18:00	06:29 19:34	05:47 20:06	05:25 20:32	05:34 20:35	06:02 20:07	06:34 19:19	07:05 18:28	06:41 16:45	07:14 16:30
11	07:26 16:49	07:01 17:27	06:20 18:01	06:28 19:35	05:46 20:07	05:25 20:33	05:35 20:35	06:03 20:06	06:35 19:18	07:06 18:26	06:42 16:44	07:15 16:30
12	07:25 16:50	07:00 17:28	06:18 18:02	06:26 19:36	05:45 20:08	05:25 20:34	05:36 20:34	06:04 20:05	06:36 19:16	07:07 18:25	06:44 16:43	07:16 16:30
13	07:25 16:51	06:59 17:30	06:16 18:03	06:25 19:37	05:43 20:09	05:25 20:34	05:36 20:34	06:05 20:03	06:37 19:14	07:08 18:23	06:45 16:42	07:17 16:30
14	07:25 16:52	06:57 17:31	06:15 18:04	06:23 19:38	05:42 20:10	05:25 20:34	05:37 20:33	06:06 20:02	06:38 19:12	07:09 18:22	06:46 16:41	07:18 16:30
15	07:24 16:54	06:56 17:32	06:13 18:05	06:21 19:39	05:41 20:11	05:25 20:35	05:38 20:33	06:07 20:00	06:39 19:11	07:10 18:20	06:47 16:40	07:18 16:30
16	07:24 16:55	06:55 17:33	06:11 18:06	06:20 19:40	05:40 20:12	05:25 20:35	05:39 20:32	06:08 19:59	06:40 19:09	07:12 18:18	06:48 16:40	07:19 16:30
17	07:23 16:56	06:53 17:35	06:10 18:07	06:18 19:41	05:39 20:13	05:25 20:36	05:39 20:31	06:09 19:58	06:41 19:07	07:13 18:17	06:50 16:39	07:20 16:31
18	07:23 16:57	06:52 17:36	06:08 18:09	06:17 19:42	05:38 20:14	05:25 20:36	05:40 20:31	06:10 19:56	06:42 19:05	07:14 18:15	06:51 16:38	07:20 16:31
19	07:22 16:58	06:51 17:37	06:06 18:10	06:15 19:43	05:38 20:15	05:25 20:36	05:41 20:30	06:11 19:55	06:43 19:04	07:15 18:14	06:52 16:37	07:21 16:31
20	07:22 16:59	06:49 17:38	06:05 18:11	06:14 19:44	05:37 20:16	05:25 20:37	05:42 20:29	06:12 19:53	06:44 19:02	07:16 18:12	06:53 16:36	07:22 16:32
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23	07:20 17:03	06:45 17:42	06:00 18:14	06:09 19:48	05:34 20:19	05:26 20:37	05:45 20:27	06:15 19:49	06:47 18:57	07:20 18:08	06:57 16:34	07:23 16:33
24	07:19 17:04	06:43 17:43	05:58 18:15	06:08 19:49	05:33 20:20	05:26 20:37	05:46 20:26	06:16 19:47	06:48 18:55	07:21 18:06	06:58 16:34	07:24 16:34
25	07:18 17:06	06:42 17:44	05:56 18:16	06:06 19:50	05:33 20:21	05:26 20:37	05:46 20:25	06:17 19:46	06:49 18:53	06:22 17:05	06:59 16:33	07:24 16:34
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27	07:17 17:08	06:39 17:47	05:53 18:18	06:03 19:52	05:31 20:22	05:27 20:38	05:48 20:23	06:19 19:42	06:51 18:50	06:24 17:02	07:01 16:32	07:25 16:36
28	07:16 17:09	06:37 17:48	05:51 18:19	06:02 19:53	05:31 20:23	05:28 20:38	05:49 20:22	06:21 19:41	06:52 18:48	06:25 17:01	07:02 16:32	07:25 16:36
29	07:15 17:11		06:49 19:21	06:01 19:54	05:30 20:24	05:28 20:38	05:50 20:21	06:22 19:39	06:53 18:46	06:27 17:00	07:03 16:31	07:26 16:37
30	07:14 17:12		06:48 19:22	05:59 19:55	05:30 20:25	05:28 20:38	05:51 20:20	06:23 19:38	06:54 18:45	06:28 16:58	07:05 16:31	07:26 16:38
31	07:13 17:13		06:46 19:23		05:29 20:26		05:52 20:19	06:24 19:36		06:29 16:57		07:26 16:39
Ore potenziali eliofania	296	296	369	399	450	454	461	429	375	345	297	0
Somma minuti d'ombra	0	0	0	0	0	0	0	0	0	0	0	0

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Shadow Flickering Analysis **WTG: 41 - REpower 57/1000 1050-250 57.0 I-I hub: 55.0 m (TOT: 83.5 m) (13)**
Assunzioni sui calcoli d'ombra

Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]
Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività
N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
437 192 40 16 67 346 208 192 120 99 425 524 2,665
: Soglia di cut-in dalla curva di potenza

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	07:26 16:40	07:12 17:14	06:36 17:49	06:44 19:24	05:58 19:56	05:28 20:26	05:29 20:37	05:53 20:18	06:25 19:34	06:55 18:43	06:30 16:56	07:06 16:31
2	07:26 16:41	07:11 17:16	06:34 17:50	06:43 19:25	05:57 19:57	05:28 20:27	05:29 20:37	05:54 20:17	06:26 19:33	06:56 18:41	06:31 16:54	07:07 16:30
3	07:26 16:41	07:10 17:17	06:33 17:51	06:41 19:26	05:55 19:59	05:28 20:28	05:30 20:37	05:55 20:16	06:27 19:31	06:57 18:40	06:33 16:53	07:08 16:30
4	07:26 16:42	07:09 17:18	06:31 17:53	06:39 19:27	05:54 20:00	05:27 20:29	05:30 20:37	05:56 20:15	06:28 19:29	06:58 18:38	06:34 16:52	07:09 16:30
5	07:26 16:43	07:08 17:19	06:30 17:54	06:38 19:28	05:53 20:01	05:27 20:29	05:31 20:37	05:57 20:14	06:29 19:28	07:00 18:36	06:35 16:51	07:10 16:30
6	07:26 16:44	07:07 17:21	06:28 17:55	06:36 19:29	05:51 20:02	05:26 20:30	05:32 20:37	05:58 20:12	06:30 19:26	07:01 18:35	06:36 16:50	07:11 16:30
7	07:26 16:45	07:06 17:22	06:26 17:56	06:34 19:30	05:50 20:03	05:26 20:31	05:32 20:36	05:59 20:11	06:31 19:24	07:02 18:33	06:37 16:49	07:12 16:30
8	07:26 16:46	07:05 17:23	06:25 17:57	06:33 19:31	05:49 20:04	05:26 20:31	05:33 20:36	06:00 20:10	06:32 19:23	07:03 18:31	06:39 16:47	07:13 16:30
9	07:26 16:47	07:04 17:25	06:23 17:58	06:31 19:33	05:48 20:05	05:26 20:32	05:33 20:36	06:01 20:09	06:33 19:21	07:04 18:30	06:40 16:46	07:14 16:30
10	07:26 16:48	07:03 17:26	06:21 18:00	06:29 19:34	05:47 20:06	05:25 20:32	05:34 20:35	06:02 20:07	06:34 19:19	07:05 18:28	06:41 16:45	07:14 16:30
11	07:26 16:49	07:01 17:27	06:20 18:01	06:28 19:35	05:46 20:07	05:25 20:33	05:35 20:35	06:03 20:06	06:35 19:18	07:06 18:26	06:42 16:44	07:15 16:30
12	07:25 16:50	07:00 17:28	06:18 18:02	06:26 19:36	05:45 20:08	05:25 20:34	05:36 20:34	06:04 20:05	06:36 19:16	07:07 18:25	06:44 16:43	07:16 16:30
13	07:25 16:51	06:59 17:30	06:16 18:03	06:25 19:37	05:43 20:09	05:25 20:34	05:36 20:34	06:05 20:03	06:37 19:14	07:08 18:23	06:45 16:42	07:17 16:30
14	07:25 16:53	06:57 17:31	06:15 18:04	06:23 19:38	05:42 20:10	05:25 20:34	05:37 20:33	06:06 20:02	06:38 19:12	07:09 18:22	06:46 16:41	07:18 16:30
15	07:24 16:54	06:56 17:32	06:13 18:05	06:21 19:39	05:41 20:11	05:25 20:35	05:38 20:33	06:07 20:00	06:39 19:11	07:10 18:20	06:47 16:41	07:18 16:30
16	07:24 16:55	06:55 17:33	06:11 18:06	06:20 19:40	05:40 20:12	05:25 20:35	05:39 20:32	06:08 19:59	06:40 19:09	07:12 18:18	06:48 16:40	07:19 16:30
17	07:23 16:56	06:53 17:35	06:10 18:07	06:18 19:41	05:39 20:13	05:25 20:36	05:39 20:31	06:09 19:58	06:41 19:07	07:13 18:17	06:50 16:39	07:20 16:31
18	07:23 16:57	06:52 17:36	06:08 18:09	06:17 19:42	05:38 20:14	05:25 20:36	05:40 20:31	06:10 19:56	06:42 19:05	07:14 18:15	06:51 16:38	07:20 16:31
19	07:22 16:58	06:51 17:37	06:06 18:10	06:15 19:43	05:38 20:15	05:25 20:36	05:41 20:30	06:11 19:55	06:43 19:04	07:15 18:14	06:52 16:37	07:21 16:31
20	07:22 16:59	06:49 17:38	06:05 18:11	06:14 19:44	05:37 20:16	05:25 20:37	05:42 20:29	06:12 19:53	06:44 19:02	07:16 18:12	06:53 16:36	07:22 16:32
21	07:21 17:01	06:48 17:39	06:03 18:12	06:12 19:46	05:36 20:17	05:25 20:37	05:43 20:28	06:13 19:52	06:45 19:00	07:17 18:11	06:54 16:36	07:22 16:32
22	07:21 17:02	06:46 17:41	06:01 18:13	06:11 19:47	05:35 20:18	05:26 20:37	05:44 20:28	06:14 19:50	06:46 18:59	07:18 18:09	06:56 16:35	07:23 16:33
23	07:20 17:03	06:45 17:42	06:00 18:14	06:09 19:48	05:34 20:19	05:26 20:37	05:45 20:27	06:15 19:49	06:47 18:57	07:20 18:08	06:57 16:34	07:23 16:33
24	07:19 17:04	06:43 17:43	05:58 18:15	06:08 19:49	05:33 20:20	05:26 20:37	05:46 20:26	06:16 19:47	06:48 18:55	07:21 18:07	06:58 16:34	07:24 16:34
25	07:18 17:06	06:42 17:44	05:56 18:16	06:06 19:50	05:33 20:21	05:26 20:38	05:46 20:25	06:17 19:46	06:49 18:53	06:22 17:05	06:59 16:33	07:24 16:34
26	07:18 17:07	06:40 17:45	05:55 18:17	06:05 19:51	05:32 20:21	05:27 20:38	05:47 20:24	06:18 19:44	06:50 18:52	06:23 17:04	07:00 16:33	07:25 16:35
27	07:17 17:08	06:39 17:47	05:53 18:18	06:03 19:52	05:31 20:22	05:27 20:38	05:48 20:23	06:20 19:42	06:51 18:50	06:24 17:02	07:01 16:32	07:25 16:36
28	07:16 17:09	06:37 17:48	05:51 18:20	06:02 19:53	05:31 20:23	05:28 20:38	05:49 20:22	06:21 19:41	06:52 18:48	06:25 17:01	07:02 16:32	07:25 16:36
29	07:15 17:11		06:49 19:21	06:01 19:54	05:30 20:24	05:28 20:38	05:50 20:21	06:22 19:39	06:53 18:46	06:27 17:00	07:03 16:31	07:26 16:37
30	07:14 17:12		06:48 19:22	05:59 19:55	05:30 20:25	05:28 20:38	05:51 20:20	06:23 19:38	06:54 18:45	06:28 16:58	07:05 16:31	07:26 16:38
31	07:13 17:13		06:46 19:23		05:29 20:26		05:52 20:19	06:24 19:36		06:29 16:57		07:26 16:39
Ore potenziali eliofania	296	296	369	399	450	454	461	429	375	345	297	286
Somma minuti d'ombra	0	0	0	0	0	0	0	0	0	0	0	0

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Shadow Flickering Analysis **WTG: 42 - REpower 57/1000 1050-250 57.0 I-I hub: 55.0 m (TOT: 83.5 m) (14)**
Assunzioni sui calcoli d'ombra Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen	Feb	Mar	Apr	Mag	Giu	Lug	Ago	Set	Ott	Nov	Dic
4.12	4.66	5.30	6.72	8.25	9.35	10.16	9.45	7.64	5.82	4.65	3.82

Tempo di operatività

N	NNE	ENE	E	ESE	SSE	S	SSO	OSO	O	ONO	NNO	Somma
437	192	40	16	67	346	208	192	120	99	425	524	2,665

: Soglia di cut-in dalla curva di potenza

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	07:26 16:40	07:12 17:14	06:36 17:49	06:44 19:24	05:58 19:56	05:28 20:26	05:29 20:37	05:53 20:18	06:25 19:34	06:55 18:43	06:30 16:56	07:06 16:31
2	07:26 16:41	07:11 17:16	06:34 17:50	06:43 19:25	05:57 19:57	05:28 20:27	05:29 20:37	05:54 20:17	06:26 19:33	06:56 18:41	06:31 16:54	07:07 16:30
3	07:26 16:41	07:10 17:17	06:33 17:51	06:41 19:26	05:55 19:59	05:28 20:28	05:30 20:37	05:55 20:16	06:27 19:31	06:57 18:40	06:33 16:53	07:08 16:30
4	07:26 16:42	07:09 17:18	06:31 17:53	06:39 19:27	05:54 20:00	05:27 20:29	05:30 20:37	05:56 20:15	06:28 19:29	06:58 18:38	06:34 16:52	07:09 16:30
5	07:26 16:43	07:08 17:19	06:30 17:54	06:38 19:28	05:53 20:01	05:27 20:29	05:31 20:37	05:57 20:14	06:29 19:28	07:00 18:36	06:35 16:51	07:10 16:30
6	07:26 16:44	07:07 17:21	06:28 17:55	06:36 19:29	05:51 20:02	05:26 20:30	05:32 20:37	05:58 20:12	06:30 19:26	07:01 18:35	06:36 16:50	07:11 16:30
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11	07:26 16:49	07:01 17:27	06:20 18:01	06:28 19:35	05:46 20:07	05:25 20:33	05:35 20:35	06:03 20:06	06:35 19:18	07:06 18:26	06:42 16:44	07:15 16:30
12	07:25 16:50	07:00 17:28	06:18 18:02	06:26 19:36	05:45 20:08	05:25 20:34	05:36 20:34	06:04 20:05	06:36 19:16	07:07 18:25	06:44 16:43	07:16 16:30
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14	07:25 16:53	06:57 17:31	06:15 18:04	06:23 19:38	05:42 20:10	05:25 20:34	05:37 20:33	06:06 20:02	06:38 19:12	07:09 18:22	06:46 16:41	07:18 16:30
15	07:24 16:54	06:56 17:32	06:13 18:05	06:21 19:39	05:41 20:11	05:25 20:35	05:38 20:33	06:07 20:00	06:39 19:11	07:10 18:20	06:47 16:41	07:18 16:30
16	07:24 16:55	06:55 17:33	06:11 18:06	06:20 19:40	05:40 20:12	05:25 20:35	05:39 20:32	06:08 19:59	06:40 19:09	07:12 18:18	06:48 16:40	07:19 16:30
17	07:23 16:56	06:53 17:35	06:10 18:07	06:18 19:41	05:39 20:13	05:25 20:36	05:39 20:31	06:09 19:58	06:41 19:07	07:13 18:17	06:50 16:39	07:20 16:31
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19	07:22 16:58	06:51 17:37	06:06 18:10	06:15 19:43	05:38 20:15	05:25 20:36	05:41 20:30	06:11 19:55	06:43 19:04	07:15 18:14	06:52 16:37	07:21 16:31
20	07:22 16:59	06:49 17:38	06:05 18:11	06:14 19:44	05:37 20:16	05:25 20:37	05:42 20:29	06:12 19:53	06:44 19:02	07:16 18:12	06:53 16:37	07:22 16:32
21	07:21 17:01	06:48 17:39	06:03 18:12	06:12 19:46	05:36 20:17	05:25 20:37	05:43 20:28	06:13 19:52	06:45 19:00	07:17 18:11	06:54 16:36	07:22 16:32
22	07:21 17:02	06:46 17:41	06:01 18:13	06:11 19:47	05:35 20:18	05:26 20:37	05:44 20:28	06:14 19:50	06:46 18:59	07:18 18:09	06:56 16:35	07:23 16:33
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24	07:19 17:04	06:43 17:43	05:58 18:15	06:08 19:49	05:33 20:20	05:26 20:37	05:46 20:26	06:16 19:47	06:48 18:55	07:21 18:07	06:58 16:34	07:24 16:34
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28	07:16 17:09	06:37 17:48	05:51 18:20	06:02 19:53	05:31 20:23	05:28 20:38	05:49 20:22	06:21 19:41	06:52 18:48	06:25 17:01	07:02 16:32	07:25 16:36
29	07:15 17:11		06:49 19:21	06:01 19:54	05:30 20:24	05:28 20:38	05:50 20:21	06:22 19:39	06:53 18:46	06:27 17:00	07:03 16:31	07:26 16:37
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31	07:13 17:13		06:46 19:23		05:29 20:26		05:52 20:19	06:24 19:36		06:29 16:57		07:26 16:39
Ore potenziali eliofania	296	296	369	399	450	454	461	429	375	345	297	0
Somma minuti d'ombra	0	0	0	0	0	0	0	0	0	0	0	0

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
 Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Shadow Flickering Analysis **WTG: 43 - REpower 57/1000 1050-250 57.0 I-I hub: 55.0 m (TOT: 83.5 m) (16)**
 Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
 4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
 437 192 40 16 67 346 208 192 120 99 425 524 2,665
 : Soglia di cut-in dalla curva di potenza

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	07:26 16:40	07:12 17:14	06:36 17:49	06:44 19:24	05:58 19:56	05:29 20:26	05:29 20:37	05:53 20:18	06:25 19:34	06:55 18:43	06:30 16:56	07:06 16:31
2	07:26 16:41	07:11 17:16	06:34 17:50	06:43 19:25	05:57 19:57	05:28 20:27	05:29 20:37	05:54 20:17	06:26 19:33	06:56 18:41	06:31 16:54	07:07 16:31
3	07:26 16:41	07:10 17:17	06:33 17:51	06:41 19:26	05:55 19:59	05:28 20:28	05:30 20:37	05:55 20:16	06:27 19:31	06:57 18:40	06:33 16:53	07:08 16:30
4	07:26 16:42	07:09 17:18	06:31 17:53	06:39 19:27	05:54 20:00	05:27 20:29	05:30 20:37	05:56 20:15	06:28 19:29	06:58 18:38	06:34 16:52	07:09 16:30
5	07:26 16:43	07:08 17:19	06:30 17:54	06:38 19:28	05:53 20:01	05:27 20:29	05:31 20:37	05:57 20:14	06:29 19:28	07:00 18:36	06:35 16:51	07:10 16:30
6	07:26 16:44	07:07 17:21	06:28 17:55	06:36 19:29	05:51 20:02	05:26 20:30	05:32 20:37	05:58 20:12	06:30 19:26	07:01 18:35	06:36 16:50	07:11 16:30
7	07:26 16:45	07:06 17:22	06:26 17:56	06:34 19:30	05:50 20:03	05:26 20:31	05:32 20:36	05:59 20:11	06:31 19:24	07:02 18:33	06:37 16:49	07:12 16:30
8	07:26 16:46	07:05 17:23	06:25 17:57	06:33 19:31	05:49 20:04	05:26 20:31	05:33 20:36	06:00 20:10	06:32 19:23	07:03 18:31	06:39 16:47	07:13 16:30
9	07:26 16:47	07:04 17:25	06:23 17:58	06:31 19:33	05:48 20:05	05:26 20:32	05:34 20:36	06:01 20:09	06:33 19:21	07:04 18:30	06:40 16:46	07:14 16:30
10	07:26 16:48	07:03 17:26	06:21 18:00	06:29 19:34	05:47 20:06	05:25 20:32	05:34 20:35	06:02 20:07	06:34 19:19	07:05 18:28	06:41 16:45	07:14 16:30
11	07:26 16:49	07:01 17:27	06:20 18:01	06:28 19:35	05:46 20:07	05:25 20:33	05:35 20:35	06:03 20:06	06:35 19:18	07:06 18:26	06:42 16:44	07:15 16:30
12	07:25 16:50	07:00 17:28	06:18 18:02	06:26 19:36	05:45 20:08	05:25 20:34	05:36 20:34	06:04 20:05	06:36 19:16	07:07 18:25	06:44 16:43	07:16 16:30
13	07:25 16:51	06:59 17:30	06:16 18:03	06:25 19:37	05:43 20:09	05:25 20:34	05:36 20:34	06:05 20:03	06:37 19:14	07:08 18:23	06:45 16:42	07:17 16:30
14	07:25 16:53	06:57 17:31	06:15 18:04	06:23 19:38	05:42 20:10	05:25 20:34	05:37 20:33	06:06 20:02	06:38 19:12	07:09 18:22	06:46 16:41	07:18 16:30
15	07:24 16:54	06:56 17:32	06:13 18:05	06:21 19:39	05:41 20:11	05:25 20:35	05:38 20:33	06:07 20:00	06:39 19:11	07:10 18:20	06:47 16:41	07:18 16:30
16	07:24 16:55	06:55 17:33	06:11 18:06	06:20 19:40	05:40 20:12	05:25 20:35	05:39 20:32	06:08 19:59	06:40 19:09	07:12 18:19	06:48 16:40	07:19 16:30
17	07:23 16:56	06:53 17:35	06:10 18:07	06:18 19:41	05:39 20:13	05:25 20:36	05:40 20:31	06:09 19:58	06:41 19:07	07:13 18:17	06:50 16:39	07:20 16:31
18	07:23 16:57	06:52 17:36	06:08 18:09	06:17 19:42	05:38 20:14	05:25 20:36	05:40 20:31	06:10 19:56	06:42 19:05	07:14 18:15	06:51 16:38	07:20 16:31
19	07:22 16:58	06:51 17:37	06:06 18:10	06:15 19:43	05:38 20:15	05:25 20:36	05:41 20:30	06:11 19:55	06:43 19:04	07:15 18:14	06:52 16:37	07:21 16:31
20	07:22 16:59	06:49 17:38	06:05 18:11	06:14 19:44	05:37 20:16	05:25 20:37	05:42 20:29	06:12 19:53	06:44 19:02	07:16 18:12	06:53 16:37	07:22 16:32
21	07:21 17:01	06:48 17:39	06:03 18:12	06:12 19:46	05:36 20:17	05:25 20:37	05:43 20:28	06:13 19:52	06:45 19:00	07:17 18:11	06:54 16:36	07:22 16:32
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27	07:17 17:08	06:39 17:47	05:53 18:18	06:03 19:52	05:31 20:22	05:27 20:38	05:48 20:23	06:20 19:42	06:51 18:50	06:24 17:02	07:01 16:32	07:25 16:36
28	07:16 17:09	06:37 17:48	05:51 18:20	06:02 19:53	05:31 20:23	05:28 20:38	05:49 20:22	06:21 19:41	06:52 18:48	06:25 17:01	07:02 16:32	07:25 16:36
29	07:15 17:11		06:49 19:21	06:01 19:54	05:30 20:24	05:28 20:38	05:50 20:21	06:22 19:39	06:53 18:47	06:27 17:00	07:03 16:32	07:26 16:37
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31	07:13 17:13		06:46 19:23		05:29 20:26		05:52 20:19	06:24 19:36		06:29 16:57		07:26 16:39
Ore potenziali eliofania	296	296	369	399	450	454	461	429	375	345	297	0
Somma minuti d'ombra	0	0	0	0	0	0	0	0	0	0	0	0

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
 Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Shadow Flickering Analysis WTG: 44 - PowerWind 56
Assunzioni sui calcoli d'ombra

Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen	Feb	Mar	Apr	Mag	Giu	Lug	Ago	Set	Ott	Nov	Dic
4.12	4.66	5.30	6.72	8.25	9.35	10.16	9.45	7.64	5.82	4.65	3.82

Tempo di operatività

N	NNE	ENE	E	ESE	SSE	S	SSO	OSO	O	ONO	NNO	Somma
437	192	40	16	67	346	208	192	120	99	425	524	2,665

: Soglia di cut-in dalla curva di potenza

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	07:26 16:39	07:12 17:14	06:35 17:48	06:44 19:23	05:57 19:56	05:28 20:26	05:28 20:37	05:52 20:17	06:24 19:34	06:55 18:42	06:30 16:55	07:05 16:30
2	07:26 16:40	07:11 17:15	06:34 17:50	06:42 19:24	05:56 19:57	05:27 20:27	05:29 20:37	05:53 20:16	06:25 19:32	06:56 18:41	06:31 16:54	07:06 16:30
3	07:26 16:41	07:10 17:16	06:32 17:51	06:40 19:25	05:55 19:58	05:27 20:27	05:29 20:37	05:54 20:15	06:26 19:30	06:57 18:39	06:32 16:53	07:07 16:30
4	07:26 16:42	07:09 17:17	06:30 17:52	06:39 19:26	05:53 19:59	05:26 20:28	05:30 20:36	05:55 20:14	06:27 19:29	06:58 18:37	06:33 16:51	07:08 16:29
5	07:26 16:43	07:08 17:19	06:29 17:53	06:37 19:28	05:52 20:00	05:26 20:29	05:30 20:36	05:56 20:13	06:28 19:27	06:59 18:36	06:34 16:50	07:09 16:29
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13	07:24 16:51	06:58 17:29	06:16 18:02	06:24 19:36	05:43 20:08	05:24 20:33	05:36 20:33	06:05 20:03	06:36 19:13	07:08 18:23	06:44 16:42	07:16 16:29
14	07:24 16:52	06:57 17:30	06:14 18:03	06:22 19:37	05:42 20:09	05:24 20:34	05:36 20:33	06:06 20:01	06:37 19:12	07:09 18:21	06:45 16:41	07:17 16:29
15	07:24 16:53	06:56 17:31	06:12 18:05	06:21 19:38	05:41 20:10	05:24 20:34	05:37 20:32	06:07 20:00	06:38 19:10	07:10 18:19	06:47 16:40	07:18 16:30
16	07:23 16:54	06:54 17:32	06:11 18:06	06:19 19:39	05:40 20:11	05:24 20:35	05:38 20:31	06:08 19:58	06:39 19:08	07:11 18:18	06:48 16:39	07:18 16:30
17	07:23 16:55	06:53 17:34	06:09 18:07	06:18 19:41	05:39 20:12	05:24 20:35	05:39 20:31	06:09 19:57	06:40 19:07	07:12 18:16	06:49 16:38	07:19 16:30
18	07:22 16:56	06:51 17:35	06:07 18:08	06:16 19:42	05:38 20:13	05:24 20:35	05:40 20:30	06:10 19:56	06:41 19:05	07:13 18:15	06:50 16:37	07:20 16:30
19	07:22 16:58	06:50 17:36	06:06 18:09	06:14 19:43	05:37 20:14	05:24 20:36	05:40 20:29	06:11 19:54	06:42 19:03	07:14 18:13	06:51 16:37	07:20 16:31
20	07:21 16:59	06:49 17:38	06:04 18:10	06:13 19:44	05:36 20:15	05:25 20:36	05:41 20:29	06:12 19:53	06:43 19:01	07:15 18:12	06:53 16:36	07:21 16:31
21	07:21 17:00	06:47 17:39	06:02 18:11	06:11 19:45	05:35 20:16	05:25 20:36	05:42 20:28	06:13 19:51	06:44 19:00	07:17 18:10	06:54 16:35	07:22 16:32
22	07:20 17:01	06:46 17:40	06:01 18:12	06:10 19:46	05:34 20:17	05:25 20:36	05:43 20:27	06:14 19:50	06:45 18:58	07:18 18:09	06:55 16:34	07:22 16:32
23	07:19 17:02	06:44 17:41	05:59 18:13	06:08 19:47	05:34 20:18	05:25 20:37	05:44 20:26	06:15 19:48	06:46 18:56	07:19 18:07	06:56 16:34	07:23 16:33
24	07:19 17:04	06:43 17:42	05:57 18:14	06:07 19:48	05:33 20:19	05:25 20:37	05:45 20:25	06:16 19:46	06:47 18:54	07:20 18:06	06:57 16:33	07:23 16:33
25	07:18 17:05	06:41 17:44	05:56 18:16	06:06 19:49	05:32 20:20	05:26 20:37	05:46 20:24	06:17 19:45	06:48 18:53	06:21 17:04	06:58 16:33	07:24 16:34
26	07:17 17:06	06:40 17:45	05:54 18:17	06:04 19:50	05:31 20:21	05:26 20:37	05:47 20:24	06:18 19:43	06:49 18:51	06:22 17:03	07:00 16:32	07:24 16:34
27	07:16 17:07	06:38 17:46	05:52 18:18	06:03 19:51	05:31 20:22	05:26 20:37	05:48 20:23	06:19 19:42	06:50 18:49	06:24 17:02	07:01 16:32	07:24 16:35
28	07:15 17:09	06:37 17:47	05:50 18:19	06:01 19:52	05:30 20:23	05:27 20:37	05:49 20:22	06:20 19:40	06:51 18:48	06:25 17:00	07:02 16:31	07:25 16:36
29	07:15 17:10		06:49 19:20	06:00 19:54	05:29 20:23	05:27 20:37	05:50 20:21	06:21 19:39	06:53 18:46	06:26 16:59	07:03 16:31	07:25 16:36
30	07:14 17:11		06:47 19:21	05:59 19:55	05:29 20:24	05:28 20:37	05:51 20:20	06:22 19:37	06:54 18:44	06:27 16:58	07:04 16:30	07:25 16:37
31	07:13 17:12		06:45 19:22		05:28 20:25		05:51 20:19	06:23 19:35		06:28 16:56		07:25 16:38
Ore potenziali eliofania	296	296	369	399	450	454	461	429	375	345	297	286
Somma minuti d'ombra	0	0	0	0	0	0	0	0	0	0	0	0

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Shadow Flickering Analysis WTG: 45 - PowerWind 56
Assunzioni sui calcoli d'ombra

Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen	Feb	Mar	Apr	Mag	Giu	Lug	Ago	Set	Ott	Nov	Dic
4.12	4.66	5.30	6.72	8.25	9.35	10.16	9.45	7.64	5.82	4.65	3.82

Tempo di operatività

N	NNE	ENE	E	ESE	SSE	S	SSO	OSO	O	ONO	NNO	Somma
437	192	40	16	67	346	208	192	120	99	425	524	2,665

: Soglia di cut-in dalla curva di potenza

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	07:25 16:39	07:12 17:14	06:35 17:48	06:44 19:23	05:57 19:56	05:28 20:26	05:28 20:37	05:52 20:17	06:24 19:34	06:54 18:42	06:29 16:55	07:05 16:30
2	07:26 16:40	07:11 17:15	06:34 17:49	06:42 19:24	05:56 19:57	05:27 20:26	05:29 20:37	05:53 20:16	06:25 19:32	06:56 18:41	06:31 16:54	07:06 16:30
3	07:26 16:41	07:10 17:16	06:32 17:51	06:40 19:25	05:54 19:58	05:27 20:27	05:29 20:36	05:54 20:15	06:26 19:30	06:57 18:39	06:32 16:52	07:07 16:29
4	07:26 16:41	07:09 17:17	06:30 17:52	06:39 19:26	05:53 19:59	05:26 20:28	05:30 20:36	05:55 20:14	06:27 19:29	06:58 18:37	06:33 16:51	07:08 16:29
5	07:26 16:42	07:07 17:19	06:29 17:53	06:37 19:27	05:52 20:00	05:26 20:29	05:30 20:36	05:56 20:13	06:28 19:27	06:59 18:36	06:34 16:50	07:09 16:29
6	07:26 16:43	07:06 17:20	06:27 17:54	06:35 19:28	05:51 20:01	05:26 20:29	05:31 20:36	05:57 20:12	06:29 19:25	07:00 18:34	06:35 16:49	07:10 16:29
7	07:26 16:44	07:05 17:21	06:26 17:55	06:34 19:30	05:49 20:02	05:25 20:30	05:31 20:35	05:58 20:10	06:30 19:24	07:01 18:32	06:37 16:48	07:11 16:29
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11	07:25 16:48	07:00 17:26	06:19 18:00	06:27 19:34	05:45 20:06	05:25 20:32	05:34 20:34	06:02 20:05	06:34 19:17	07:05 18:26	06:42 16:44	07:14 16:29
12	07:25 16:50	06:59 17:28	06:17 18:01	06:25 19:35	05:44 20:07	05:24 20:33	05:35 20:33	06:03 20:04	06:35 19:15	07:06 18:24	06:43 16:43	07:15 16:29
13	07:24 16:51	06:58 17:29	06:16 18:02	06:24 19:36	05:43 20:08	05:24 20:33	05:36 20:33	06:04 20:02	06:36 19:13	07:07 18:22	06:44 16:42	07:16 16:29
14	07:24 16:52	06:57 17:30	06:14 18:03	06:22 19:37	05:42 20:09	05:24 20:34	05:36 20:32	06:05 20:01	06:37 19:12	07:09 18:21	06:45 16:41	07:17 16:29
15	07:24 16:53	06:55 17:31	06:12 18:04	06:21 19:38	05:41 20:10	05:24 20:34	05:37 20:32	06:06 20:00	06:38 19:10	07:10 18:19	06:46 16:40	07:18 16:29
16	07:23 16:54	06:54 17:33	06:11 18:05	06:19 19:39	05:40 20:11	05:24 20:34	05:38 20:31	06:07 19:58	06:39 19:08	07:11 18:18	06:48 16:39	07:18 16:30
17	07:23 16:55	06:53 17:34	06:09 18:07	06:17 19:40	05:39 20:12	05:24 20:35	05:39 20:31	06:08 19:57	06:40 19:06	07:12 18:16	06:49 16:38	07:19 16:30
18	07:22 16:56	06:51 17:35	06:07 18:08	06:16 19:42	05:38 20:13	05:24 20:35	05:40 20:30	06:10 19:55	06:41 19:05	07:13 18:15	06:50 16:37	07:20 16:30
19	07:22 16:57	06:50 17:36	06:06 18:09	06:14 19:43	05:37 20:14	05:24 20:36	05:40 20:29	06:11 19:54	06:42 19:03	07:14 18:13	06:51 16:36	07:20 16:31
20	07:21 16:59	06:48 17:37	06:04 18:10	06:13 19:44	05:36 20:15	05:25 20:36	05:41 20:28	06:12 19:52	06:43 19:01	07:15 18:12	06:52 16:36	07:21 16:31
21	07:20 17:00	06:47 17:39	06:02 18:11	06:11 19:45	05:35 20:16	05:25 20:36	05:42 20:28	06:13 19:51	06:44 18:59	07:16 18:10	06:54 16:35	07:21 16:31
22	07:20 17:01	06:46 17:40	06:01 18:12	06:10 19:46	05:34 20:17	05:25 20:36	05:43 20:27	06:14 19:49	06:45 18:58	07:18 18:09	06:55 16:34	07:22 16:32
23	07:19 17:02	06:44 17:41	05:59 18:13	06:08 19:47	05:33 20:18	05:25 20:36	05:44 20:26	06:15 19:48	06:46 18:56	07:19 18:07	06:56 16:34	07:22 16:32
24	07:18 17:04	06:43 17:42	05:57 18:14	06:07 19:48	05:33 20:19	05:25 20:37	05:45 20:25	06:16 19:46	06:47 18:54	07:20 18:06	06:57 16:33	07:23 16:33
25	07:18 17:05	06:41 17:44	05:55 18:15	06:05 19:49	05:32 20:20	05:26 20:37	05:46 20:24	06:17 19:45	06:48 18:53	06:21 17:04	06:58 16:33	07:23 16:34
26	07:17 17:06	06:40 17:45	05:54 18:17	06:04 19:50	05:31 20:21	05:26 20:37	05:47 20:23	06:18 19:43	06:49 18:51	06:22 17:03	06:59 16:32	07:24 16:34
27	07:16 17:07	06:38 17:46	05:52 18:18	06:03 19:51	05:31 20:22	05:26 20:37	05:48 20:22	06:19 19:42	06:50 18:49	06:23 17:02	07:00 16:32	07:24 16:35
28	07:15 17:09	06:37 17:47	05:50 18:19	06:01 19:52	05:30 20:22	05:27 20:37	05:48 20:21	06:20 19:40	06:51 18:47	06:25 17:00	07:02 16:31	07:24 16:36
29	07:14 17:10		06:49 19:20	06:00 19:53	05:29 20:23	05:27 20:37	05:49 20:20	06:21 19:38	06:52 18:46	06:26 16:59	07:03 16:31	07:25 16:36
30	07:13 17:11		06:47 19:21	05:58 19:55	05:29 20:24	05:28 20:37	05:50 20:19	06:22 19:37	06:53 18:44	06:27 16:57	07:04 16:30	07:25 16:37
31	07:13 17:12		06:45 19:22		05:28 20:25		05:51 20:18	06:23 19:35		06:28 16:56		07:25 16:38
Ore potenziali eliofania	296	296	369	399	450	454	461	429	375	345	297	286
Somma minuti d'ombra	0	0	0	0	0	0	0	0	0	0	0	0

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Shadow Flickering Analysis **WTG: 46 - REpower 57/1000 1050-250 57.0 !-I hub: 55.0 m (TOT: 83.5 m) (71)**
Assunzioni sui calcoli d'ombra Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
437 192 40 16 67 346 208 192 120 99 425 524 2,665
: Soglia di cut-in dalla curva di potenza

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	07:25 16:39	07:11 17:13	06:35 17:48	06:43 19:23	05:57 19:55	05:27 20:25	05:28 20:36	05:52 20:17	06:24 19:33	06:54 18:42	06:29 16:55	07:05 16:30
2	07:25 16:39	07:10 17:15	06:33 17:49	06:42 19:24	05:55 19:56	05:27 20:26	05:28 20:36	05:53 20:16	06:25 19:32	06:55 18:40	06:30 16:53	07:06 16:29
3	07:25 16:40	07:09 17:16	06:32 17:50	06:40 19:25	05:54 19:58	05:26 20:27	05:29 20:36	05:54 20:15	06:26 19:30	06:56 18:39	06:32 16:52	07:07 16:29
4	07:25 16:41	07:08 17:17	06:30 17:52	06:38 19:26	05:53 19:59	05:26 20:28	05:29 20:36	05:55 20:14	06:27 19:28	06:57 18:37	06:33 16:51	07:08 16:29
5	07:25 16:42	07:07 17:18	06:29 17:53	06:37 19:27	05:52 20:00	05:26 20:28	05:30 20:36	05:56 20:12	06:28 19:27	06:58 18:35	06:34 16:50	07:09 16:29
6	07:25 16:43	07:06 17:20	06:27 17:54	06:35 19:28	05:50 20:01	05:25 20:29	05:30 20:36	05:57 20:11	06:29 19:25	07:00 18:34	06:35 16:49	07:10 16:29
7	07:25 16:44	07:05 17:21	06:25 17:55	06:33 19:29	05:49 20:02	05:25 20:30	05:31 20:35	05:58 20:10	06:30 19:23	07:01 18:32	06:36 16:47	07:11 16:29
8	07:25 16:45	07:04 17:22	06:24 17:56	06:32 19:30	05:48 20:03	05:25 20:30	05:32 20:35	05:59 20:09	06:31 19:22	07:02 18:30	06:38 16:46	07:12 16:28
9	07:25 16:46	07:03 17:23	06:22 17:57	06:30 19:32	05:47 20:04	05:25 20:31	05:32 20:35	06:00 20:08	06:32 19:20	07:03 18:29	06:39 16:45	07:12 16:28
10	07:25 16:47	07:01 17:25	06:20 17:58	06:28 19:33	05:46 20:05	05:24 20:31	05:33 20:34	06:01 20:06	06:33 19:18	07:04 18:27	06:40 16:44	07:13 16:28
11	07:25 16:48	07:00 17:26	06:19 18:00	06:27 19:34	05:45 20:06	05:24 20:32	05:34 20:34	06:02 20:05	06:34 19:16	07:05 18:25	06:41 16:43	07:14 16:28
12	07:24 16:49	06:59 17:27	06:17 18:01	06:25 19:35	05:43 20:07	05:24 20:32	05:35 20:33	06:03 20:04	06:35 19:15	07:06 18:24	06:43 16:42	07:15 16:29
13	07:24 16:50	06:58 17:28	06:15 18:02	06:24 19:36	05:42 20:08	05:24 20:33	05:35 20:33	06:04 20:02	06:36 19:13	07:07 18:22	06:44 16:41	07:16 16:29
14	07:24 16:51	06:56 17:30	06:14 18:03	06:22 19:37	05:41 20:09	05:24 20:33	05:36 20:32	06:05 20:01	06:37 19:11	07:08 18:21	06:45 16:40	07:17 16:29
15	07:23 16:53	06:55 17:31	06:12 18:04	06:20 19:38	05:40 20:10	05:24 20:34	05:37 20:32	06:06 19:59	06:38 19:10	07:09 18:19	06:46 16:39	07:17 16:29
16	07:23 16:54	06:54 17:32	06:10 18:05	06:19 19:39	05:39 20:11	05:24 20:34	05:38 20:31	06:07 19:58	06:39 19:08	07:11 18:17	06:47 16:39	07:18 16:29
17	07:22 16:55	06:52 17:33	06:09 18:06	06:17 19:40	05:38 20:12	05:24 20:35	05:38 20:30	06:08 19:57	06:40 19:06	07:12 18:16	06:49 16:38	07:19 16:30
18	07:22 16:56	06:51 17:35	06:07 18:07	06:16 19:41	05:37 20:13	05:24 20:35	05:39 20:30	06:09 19:55	06:41 19:04	07:13 18:14	06:50 16:37	07:19 16:30
19	07:21 16:57	06:50 17:36	06:05 18:09	06:14 19:42	05:36 20:14	05:24 20:35	05:40 20:29	06:10 19:54	06:42 19:03	07:14 18:13	06:51 16:36	07:20 16:30
20	07:21 16:58	06:48 17:37	06:04 18:10	06:13 19:43	05:36 20:15	05:24 20:36	05:41 20:28	06:11 19:52	06:43 19:01	07:15 18:11	06:52 16:35	07:21 16:31
21	07:20 17:00	06:47 17:38	06:02 18:11	06:11 19:45	05:35 20:16	05:24 20:36	05:42 20:27	06:12 19:51	06:44 18:59	07:16 18:10	06:53 16:35	07:21 16:31
22	07:20 17:01	06:45 17:40	06:00 18:12	06:10 19:46	05:34 20:17	05:25 20:36	05:43 20:27	06:13 19:49	06:45 18:57	07:17 18:08	06:55 16:34	07:22 16:32
23	07:19 17:02	06:44 17:41	05:59 18:13	06:08 19:47	05:33 20:18	05:25 20:36	05:44 20:26	06:14 19:48	06:46 18:56	07:19 18:07	06:56 16:33	07:22 16:32
24	07:18 17:03	06:42 17:42	05:57 18:14	06:07 19:48	05:32 20:19	05:25 20:36	05:44 20:25	06:15 19:46	06:47 18:54	07:20 18:05	06:57 16:33	07:23 16:33
25	07:17 17:04	06:41 17:43	05:55 18:15	06:05 19:49	05:32 20:20	05:25 20:36	05:45 20:24	06:16 19:45	06:48 18:52	06:21 17:04	06:58 16:32	07:23 16:33
26	07:17 17:06	06:39 17:44	05:53 18:16	06:04 19:50	05:31 20:20	05:26 20:37	05:46 20:23	06:17 19:43	06:49 18:51	06:22 17:03	06:59 16:32	07:24 16:34
27	07:16 17:07	06:38 17:46	05:52 18:17	06:02 19:51	05:30 20:21	05:26 20:37	05:47 20:22	06:18 19:41	06:50 18:49	06:23 17:01	07:00 16:31	07:24 16:35
28	07:15 17:08	06:36 17:47	05:50 18:18	06:01 19:52	05:30 20:22	05:26 20:37	05:48 20:21	06:19 19:40	06:51 18:47	06:24 17:00	07:01 16:31	07:24 16:35
29	07:14 17:09		06:48 19:20	06:00 19:53	05:29 20:23	05:27 20:37	05:49 20:20	06:20 19:38	06:52 18:45	06:26 16:59	07:02 16:30	07:24 16:36
30	07:13 17:11		06:47 19:21	05:58 19:54	05:28 20:24	05:27 20:37	05:50 20:19	06:22 19:37	06:53 18:44	06:27 16:57	07:04 16:30	07:25 16:37
31	07:12 17:12		06:45 19:22		05:28 20:25		05:51 20:18	06:23 19:35		06:28 16:56		07:25 16:38
Ore potenziali eliofania	296	296	369	399	450	454	461	429	375	345	297	286
Somma minuti d'ombra	0	0	0	0	0	0	0	0	0	0	0	0

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
 Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Shadow Flickering Analysis **WTG: 47 - REpower 57/1000 1050-250 57.0 !-I hub: 55.0 m (TOT: 83.5 m) (72)**
Assunzioni sui calcoli d'ombra Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
437 192 40 16 67 346 208 192 120 99 425 524 2,665
: Soglia di cut-in dalla curva di potenza

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	07:25 16:39	07:11 17:13	06:35 17:48	06:43 19:23	05:57 19:55	05:27 20:25	05:28 20:36	05:52 20:17	06:24 19:33	06:54 18:42	06:29 16:55	07:05 16:30
2	07:25 16:39	07:10 17:15	06:33 17:49	06:42 19:24	05:55 19:56	05:27 20:26	05:28 20:36	05:53 20:16	06:25 19:32	06:55 18:40	06:30 16:53	07:06 16:29
3	07:25 16:40	07:09 17:16	06:32 17:50	06:40 19:25	05:54 19:57	05:26 20:27	05:29 20:36	05:54 20:15	06:26 19:30	06:56 18:39	06:32 16:52	07:07 16:29
4	07:25 16:41	07:08 17:17	06:30 17:51	06:38 19:26	05:53 19:59	05:26 20:28	05:29 20:36	05:55 20:14	06:27 19:28	06:57 18:37	06:33 16:51	07:08 16:29
5	07:25 16:42	07:07 17:18	06:28 17:53	06:37 19:27	05:52 20:00	05:26 20:28	05:30 20:36	05:56 20:12	06:28 19:27	06:58 18:35	06:34 16:50	07:09 16:29
6	07:25 16:43	07:06 17:20	06:27 17:54	06:35 19:28	05:50 20:01	05:25 20:29	05:30 20:35	05:57 20:11	06:29 19:25	07:00 18:34	06:35 16:49	07:10 16:29
7	07:25 16:44	07:05 17:21	06:25 17:55	06:33 19:29	05:49 20:02	05:25 20:30	05:31 20:35	05:58 20:10	06:30 19:23	07:01 18:32	06:36 16:47	07:11 16:28
8	07:25 16:45	07:04 17:22	06:24 17:56	06:32 19:30	05:48 20:03	05:25 20:30	05:32 20:35	05:59 20:09	06:31 19:22	07:02 18:30	06:38 16:46	07:12 16:28
9	07:25 16:46	07:03 17:23	06:22 17:57	06:30 19:31	05:47 20:04	05:25 20:31	05:32 20:34	06:00 20:07	06:32 19:20	07:03 18:29	06:39 16:45	07:12 16:28
10	07:25 16:47	07:01 17:25	06:20 17:58	06:28 19:33	05:46 20:05	05:24 20:31	05:33 20:34	06:01 20:06	06:33 19:18	07:04 18:27	06:40 16:44	07:13 16:28
11	07:25 16:48	07:00 17:26	06:19 18:00	06:27 19:34	05:44 20:06	05:24 20:32	05:34 20:34	06:02 20:05	06:34 19:16	07:05 18:25	06:41 16:43	07:14 16:28
12	07:24 16:49	06:59 17:27	06:17 18:01	06:25 19:35	05:43 20:07	05:24 20:32	05:34 20:33	06:03 20:04	06:35 19:15	07:06 18:24	06:42 16:42	07:15 16:29
13	07:24 16:50	06:58 17:28	06:15 18:02	06:23 19:36	05:42 20:08	05:24 20:33	05:35 20:33	06:04 20:02	06:36 19:13	07:07 18:22	06:44 16:41	07:16 16:29
14	07:24 16:51	06:56 17:30	06:14 18:03	06:22 19:37	05:41 20:09	05:24 20:33	05:36 20:32	06:05 20:01	06:37 19:11	07:08 18:21	06:45 16:40	07:17 16:29
15	07:23 16:53	06:55 17:31	06:12 18:04	06:20 19:38	05:40 20:10	05:24 20:34	05:37 20:32	06:06 19:59	06:38 19:10	07:09 18:19	06:46 16:39	07:17 16:29
16	07:23 16:54	06:54 17:32	06:10 18:05	06:19 19:39	05:39 20:11	05:24 20:34	05:38 20:31	06:07 19:58	06:39 19:08	07:10 18:17	06:47 16:39	07:18 16:29
17	07:22 16:55	06:52 17:33	06:09 18:06	06:17 19:40	05:38 20:12	05:24 20:35	05:38 20:30	06:08 19:57	06:40 19:06	07:12 18:16	06:49 16:38	07:19 16:30
18	07:22 16:56	06:51 17:35	06:07 18:07	06:16 19:41	05:37 20:13	05:24 20:35	05:39 20:30	06:09 19:55	06:41 19:04	07:13 18:14	06:50 16:37	07:19 16:30
19	07:21 16:57	06:50 17:36	06:05 18:09	06:14 19:42	05:36 20:14	05:24 20:35	05:40 20:29	06:10 19:54	06:42 19:03	07:14 18:13	06:51 16:36	07:20 16:30
20	07:21 16:58	06:48 17:37	06:04 18:10	06:13 19:43	05:36 20:15	05:24 20:36	05:41 20:28	06:11 19:52	06:43 19:01	07:15 18:11	06:52 16:35	07:21 16:31
21	07:20 17:00	06:47 17:38	06:02 18:11	06:11 19:44	05:35 20:16	05:24 20:36	05:42 20:27	06:12 19:51	06:44 18:59	07:16 18:10	06:53 16:35	07:21 16:31
22	07:20 17:01	06:45 17:40	06:00 18:12	06:10 19:46	05:34 20:17	05:25 20:36	05:43 20:27	06:13 19:49	06:45 18:57	07:17 18:08	06:54 16:34	07:22 16:32
23	07:19 17:02	06:44 17:41	05:59 18:13	06:08 19:47	05:33 20:18	05:25 20:36	05:44 20:26	06:14 19:48	06:46 18:56	07:18 18:07	06:56 16:33	07:22 16:32
24	07:18 17:03	06:42 17:42	05:57 18:14	06:07 19:48	05:32 20:19	05:25 20:36	05:44 20:25	06:15 19:46	06:47 18:54	07:20 18:05	06:57 16:33	07:23 16:33
25	07:17 17:04	06:41 17:43	05:55 18:15	06:05 19:49	05:32 20:20	05:25 20:36	05:45 20:24	06:16 19:44	06:48 18:52	06:21 17:04	06:58 16:32	07:23 16:33
26	07:17 17:06	06:39 17:44	05:53 18:16	06:04 19:50	05:31 20:20	05:26 20:37	05:46 20:23	06:17 19:43	06:49 18:51	06:22 17:03	06:59 16:32	07:24 16:34
27	07:16 17:07	06:38 17:46	05:52 18:17	06:02 19:51	05:30 20:21	05:26 20:37	05:47 20:22	06:18 19:41	06:50 18:49	06:23 17:01	07:00 16:31	07:24 16:35
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29	07:14 17:09		06:48 19:20	05:59 19:53	05:29 20:23	05:27 20:37	05:49 20:20	06:20 19:38	06:52 18:45	06:26 16:58	07:02 16:30	07:24 16:36
30	07:13 17:11		06:47 19:21	05:58 19:54	05:28 20:24	05:27 20:37	05:50 20:19	06:21 19:37	06:53 18:44	06:27 16:57	07:04 16:30	07:25 16:37
31	07:12 17:12		06:45 19:22		05:28 20:25		05:51 20:18	06:22 19:35		06:28 16:56		07:25 16:37
Ore potenziali eliofania	296	296	369	399	450	454	461	429	375	345	297	0
Somma minuti d'ombra	0	0	0	0	0	0	0	0	0	0	0	0

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
 Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Shadow Flickering Analysis **WTG: 48 - REpower 57/1000 1050-250 57.0** !-I hub: **55.0 m (TOT: 83.5 m) (73)**
 Probabilità di eliofania (media ore giornaliere di insolazione) [AMENDOLA]

Gen Feb Mar Apr Mag Giu Lug Ago Set Ott Nov Dic
 4.12 4.66 5.30 6.72 8.25 9.35 10.16 9.45 7.64 5.82 4.65 3.82

Tempo di operatività

N NNE ENE E ESE SSE S SSO OSO O ONO NNO Somma
 437 192 40 16 67 346 208 192 120 99 425 524 2,665
 : Soglia di cut-in dalla curva di potenza

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	07:25 16:39	07:11 17:13	06:35 17:48	06:43 19:23	05:57 19:55	05:27 20:25	05:28 20:36	05:52 20:17	06:24 19:33	06:54 18:42	06:29 16:55	07:05 16:30
2	07:25 16:39	07:10 17:15	06:33 17:49	06:42 19:24	05:55 19:56	05:27 20:26	05:28 20:36	05:53 20:16	06:25 19:32	06:55 18:40	06:30 16:53	07:06 16:29
3	07:25 16:40	07:09 17:16	06:32 17:50	06:40 19:25	05:54 19:57	05:26 20:27	05:29 20:36	05:54 20:15	06:26 19:30	06:56 18:39	06:32 16:52	07:07 16:29
4	07:25 16:41	07:08 17:17	06:30 17:51	06:38 19:26	05:53 19:59	05:26 20:28	05:29 20:36	05:55 20:14	06:27 19:28	06:57 18:37	06:33 16:51	07:08 16:29
5	07:25 16:42	07:07 17:18	06:28 17:53	06:37 19:27	05:52 20:00	05:26 20:28	05:30 20:36	05:56 20:12	06:28 19:27	06:58 18:35	06:34 16:50	07:09 16:29
6	07:25 16:43	07:06 17:20	06:27 17:54	06:35 19:28	05:50 20:01	05:25 20:29	05:30 20:35	05:57 20:11	06:29 19:25	07:00 18:34	06:35 16:49	07:10 16:29
7	07:25 16:44	07:05 17:21	06:25 17:55	06:33 19:29	05:49 20:02	05:25 20:30	05:31 20:35	05:58 20:10	06:30 19:23	07:01 18:32	06:36 16:47	07:11 16:28
8	07:25 16:45	07:04 17:22	06:24 17:56	06:32 19:30	05:48 20:03	05:25 20:30	05:32 20:35	05:59 20:09	06:31 19:22	07:02 18:30	06:38 16:46	07:12 16:28
9	07:25 16:46	07:03 17:23	06:22 17:57	06:30 19:31	05:47 20:04	05:25 20:31	05:32 20:34	06:00 20:07	06:32 19:20	07:03 18:29	06:39 16:45	07:12 16:28
10	07:25 16:47	07:01 17:25	06:20 17:58	06:28 19:33	05:46 20:05	05:24 20:31	05:33 20:34	06:01 20:06	06:33 19:18	07:04 18:27	06:40 16:44	07:13 16:28
11	07:25 16:48	07:00 17:26	06:19 18:00	06:27 19:34	05:45 20:06	05:24 20:32	05:34 20:34	06:02 20:05	06:34 19:16	07:05 18:25	06:41 16:43	07:14 16:28
12	07:24 16:49	06:59 17:27	06:17 18:01	06:25 19:35	05:43 20:07	05:24 20:32	05:34 20:33	06:03 20:04	06:35 19:15	07:06 18:24	06:42 16:42	07:15 16:29
13	07:24 16:50	06:58 17:28	06:15 18:02	06:23 19:36	05:42 20:08	05:24 20:33	05:35 20:33	06:04 20:02	06:36 19:13	07:07 18:22	06:44 16:41	07:16 16:29
14	07:24 16:51	06:56 17:30	06:14 18:03	06:22 19:37	05:41 20:09	05:24 20:33	05:36 20:32	06:05 20:01	06:37 19:11	07:08 18:21	06:45 16:40	07:17 16:29
15	07:23 16:53	06:55 17:31	06:12 18:04	06:20 19:38	05:40 20:10	05:24 20:34	05:37 20:32	06:06 19:59	06:38 19:10	07:09 18:19	06:46 16:39	07:17 16:29
16	07:23 16:54	06:54 17:32	06:10 18:05	06:19 19:39	05:39 20:11	05:24 20:34	05:38 20:31	06:07 19:58	06:39 19:08	07:10 18:17	06:47 16:39	07:18 16:29
17	07:22 16:55	06:52 17:33	06:09 18:06	06:17 19:40	05:38 20:12	05:24 20:35	05:38 20:30	06:08 19:57	06:40 19:06	07:12 18:16	06:49 16:38	07:19 16:30
18	07:22 16:56	06:51 17:35	06:07 18:07	06:16 19:41	05:37 20:13	05:24 20:35	05:39 20:30	06:09 19:55	06:41 19:04	07:13 18:14	06:50 16:37	07:19 16:30
19	07:21 16:57	06:50 17:36	06:05 18:09	06:14 19:42	05:36 20:14	05:24 20:35	05:40 20:29	06:10 19:54	06:42 19:03	07:14 18:13	06:51 16:36	07:20 16:30
20	07:21 16:58	06:48 17:37	06:04 18:10	06:13 19:43	05:36 20:15	05:24 20:36	05:41 20:28	06:11 19:52	06:43 19:01	07:15 18:11	06:52 16:35	07:21 16:31
21	07:20 17:00	06:47 17:38	06:02 18:11	06:11 19:44	05:35 20:16	05:24 20:36	05:42 20:27	06:12 19:51	06:44 18:59	07:16 18:10	06:53 16:35	07:21 16:31
22	07:20 17:01	06:45 17:40	06:00 18:12	06:10 19:46	05:34 20:17	05:25 20:36	05:43 20:27	06:13 19:49	06:45 18:57	07:17 18:08	06:54 16:34	07:22 16:32
23	07:19 17:02	06:44 17:41	05:59 18:13	06:08 19:47	05:33 20:18	05:25 20:36	05:44 20:26	06:14 19:48	06:46 18:56	07:18 18:07	06:56 16:33	07:22 16:32
24	07:18 17:03	06:42 17:42	05:57 18:14	06:07 19:48	05:32 20:19	05:25 20:36	05:44 20:25	06:15 19:46	06:47 18:54	07:20 18:05	06:57 16:33	07:23 16:33
25	07:17 17:04	06:41 17:43	05:55 18:15	06:05 19:49	05:32 20:20	05:25 20:36	05:45 20:24	06:16 19:44	06:48 18:52	06:21 17:04	06:58 16:32	07:23 16:33
26	07:17 17:06	06:39 17:44	05:53 18:16	06:04 19:50	05:31 20:20	05:26 20:37	05:46 20:23	06:17 19:43	06:49 18:51	06:22 17:03	06:59 16:32	07:23 16:34
27	07:16 17:07	06:38 17:46	05:52 18:17	06:02 19:51	05:30 20:21	05:26 20:37	05:47 20:22	06:18 19:41	06:50 18:49	06:23 17:01	07:00 16:31	07:24 16:35
28	07:15 17:08	06:36 17:47	05:50 18:18	06:01 19:52	05:30 20:22	05:26 20:37	05:48 20:21	06:19 19:40	06:51 18:47	06:24 17:00	07:01 16:31	07:24 16:35
29	07:14 17:09		06:48 19:19	05:59 19:53	05:29 20:23	05:27 20:37	05:49 20:20	06:20 19:38	06:52 18:45	06:26 16:58	07:02 16:30	07:24 16:36
30	07:13 17:11		06:47 19:21	05:58 19:54	05:28 20:24	05:27 20:37	05:50 20:19	06:21 19:37	06:53 18:44	06:27 16:57	07:03 16:30	07:25 16:37
31	07:12 17:12		06:45 19:22		05:28 20:25		05:51 20:18	06:22 19:35		06:28 16:56		07:25 16:37
Ore potenziali eliofania	296	296	369	399	450	454	461	429	375	345	297	286
Somma minuti d'ombra	0	0	0	0	0	0	0	0	0	0	0	0

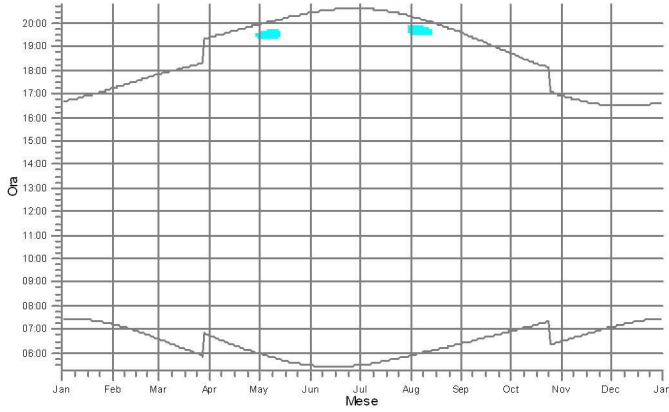
Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
 Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

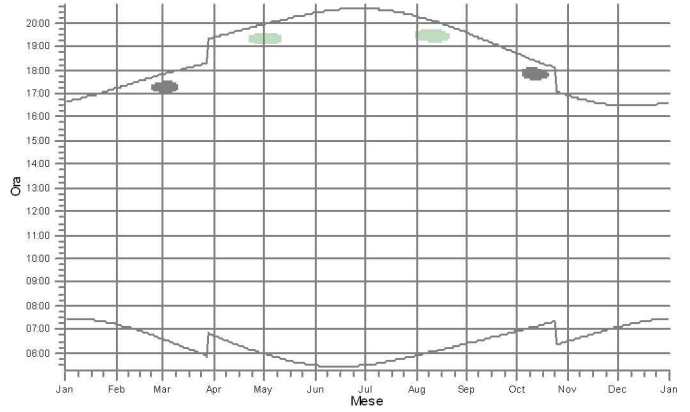
SHADOW - Calendario per WTG, grafico

Calcolo: Shadow Flickering Analysis

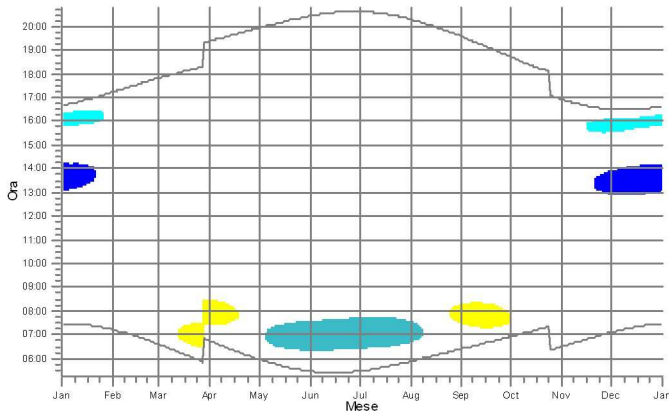
1: Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0



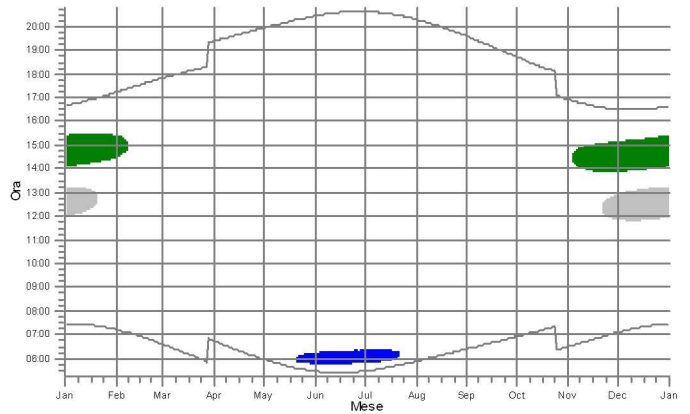
2: Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0



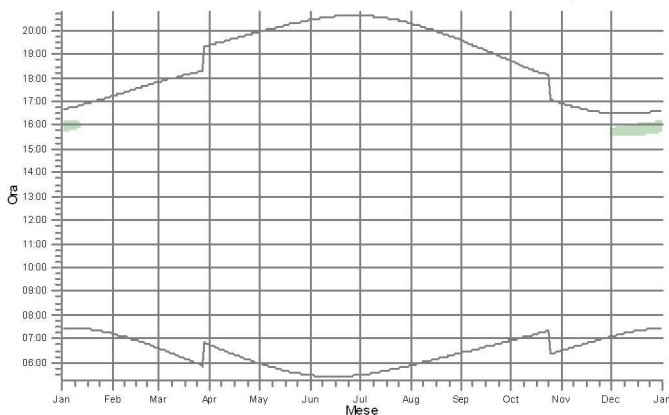
3: Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0



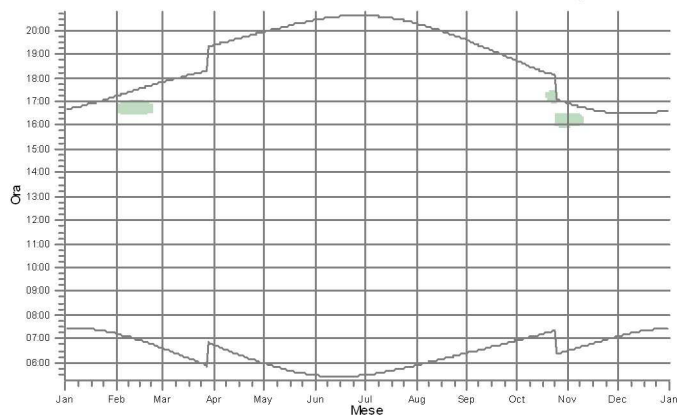
4: Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0



5: Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0



6: Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0



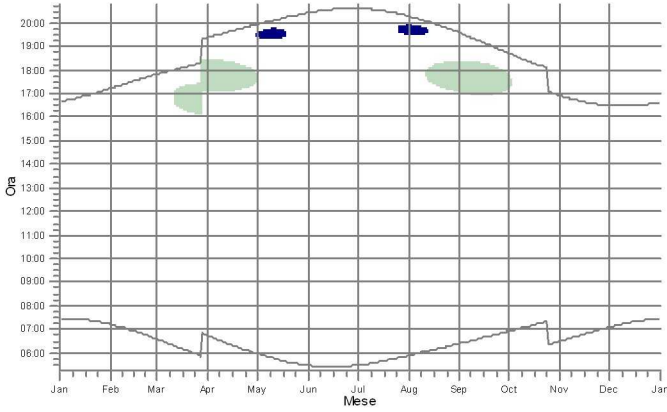
Recettori d'ombra

- R1: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (76)
- R10: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (85)
- R11: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (86)
- R12: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (87)
- R2: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (77)
- R3: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (78)
- R4: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (79)
- R9: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (84)

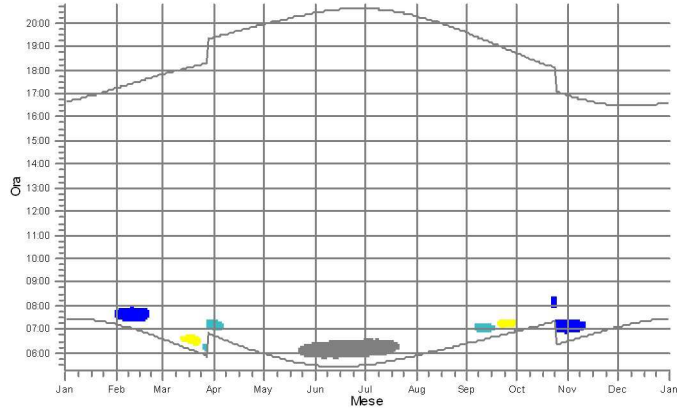
SHADOW - Calendario per WTG, grafico

Calcolo: Shadow Flickering Analysis

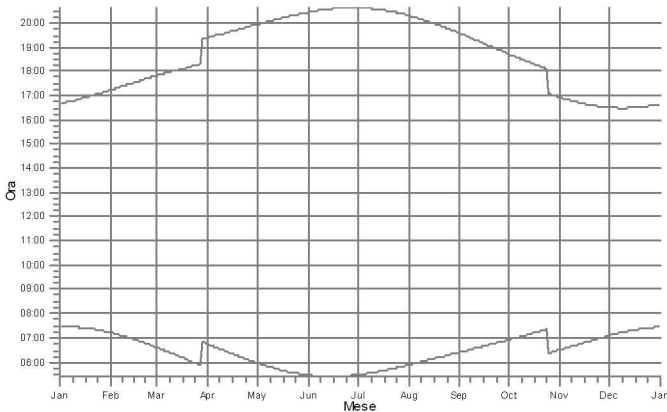
7: Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0



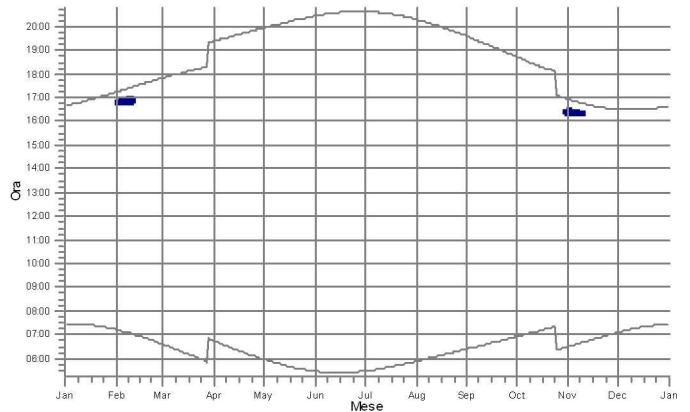
8: Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0



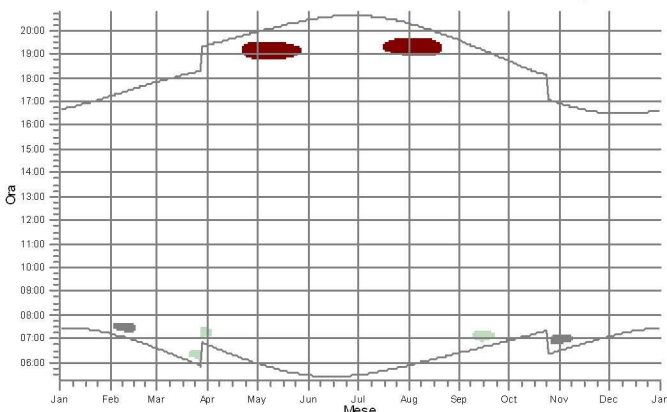
9: Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0



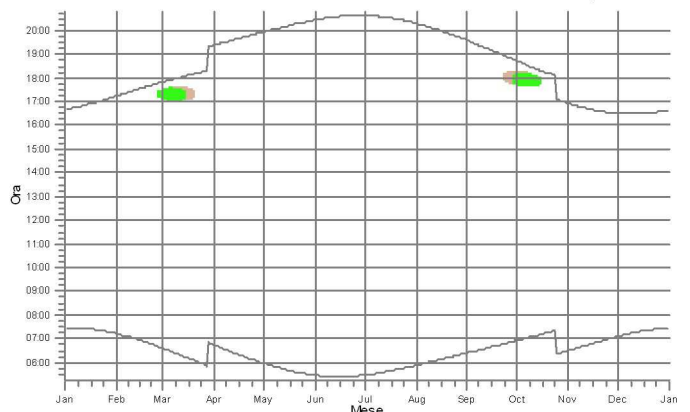
10: Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0



11: Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0



12: Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0



Recettori d'ombra

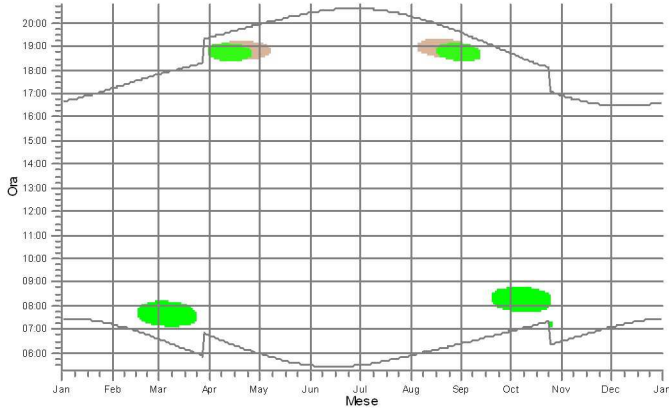
- R10: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (85)
- R11: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (86)
- R12: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (87)
- R15: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (90)
- R16: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (91)

- R4: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (79)
- R7: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (82)
- R8: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (83)
- R9: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (84)

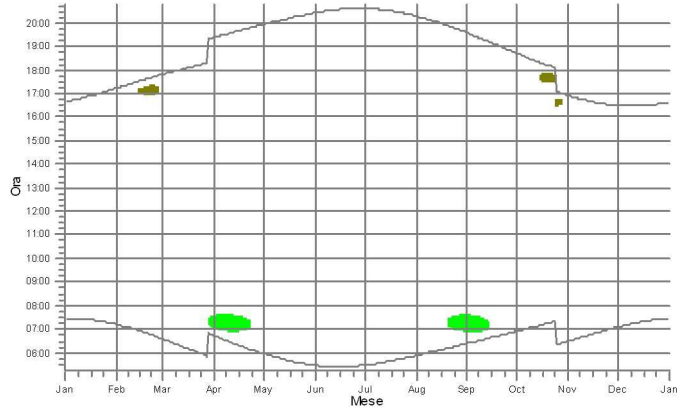
SHADOW - Calendario per WTG, grafico

Calcolo: Shadow Flickering Analysis

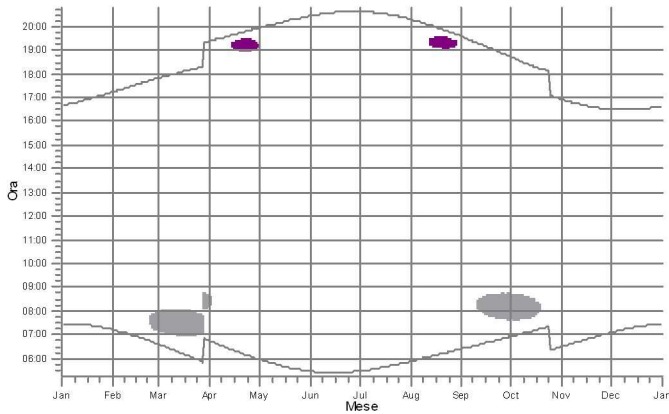
13: Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0



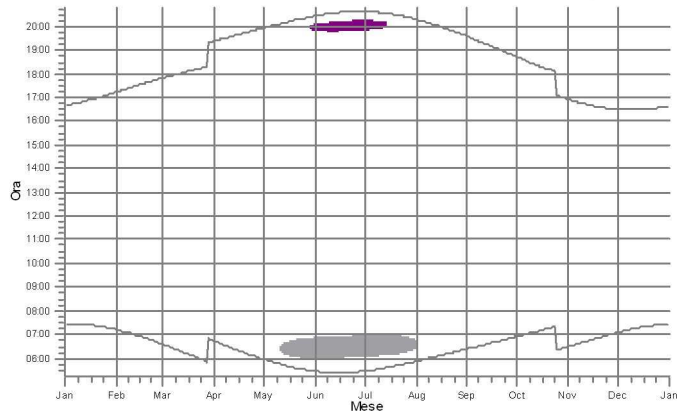
14: Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0



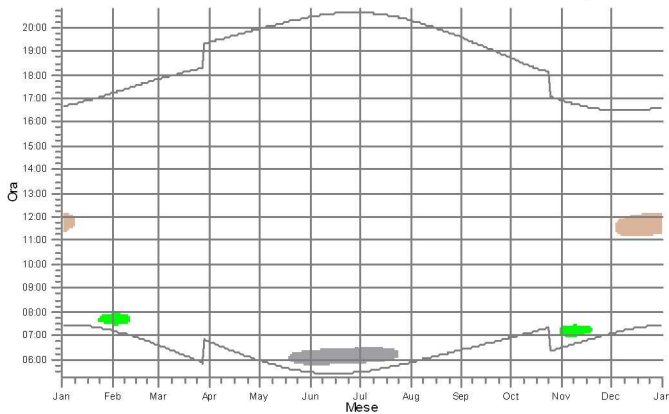
15: Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0



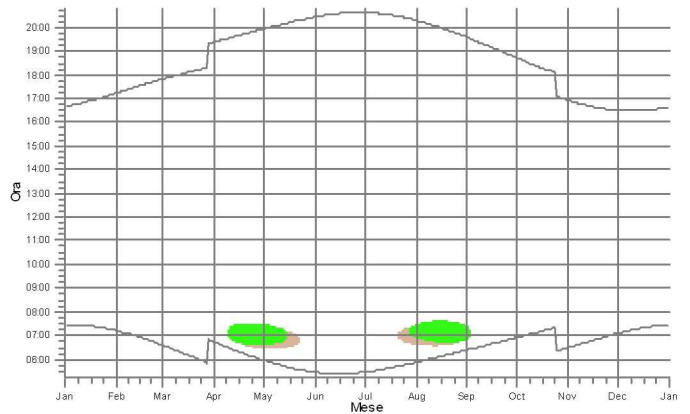
16: Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0



17: Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0



18: Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0



Recettori d'ombra

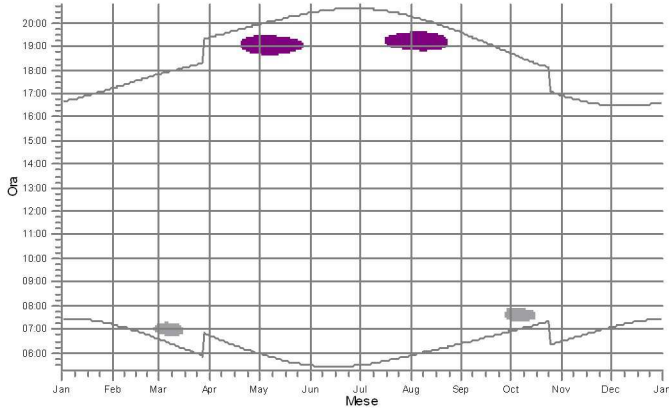
- R17: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (92)
- R18: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (93)
- R19: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (94)

- R6: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (81)
- R7: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (82)
- R8: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (83)

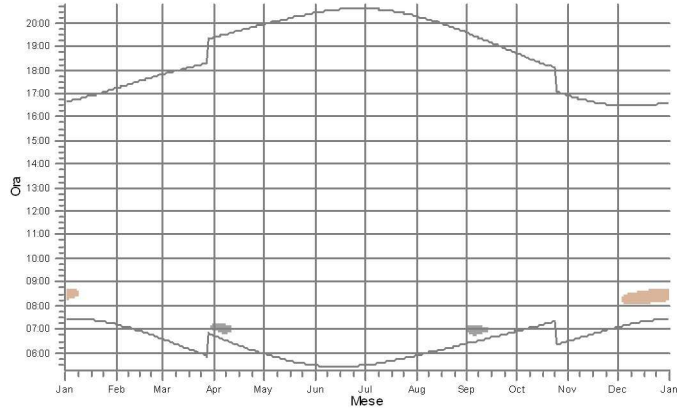
SHADOW - Calendario per WTG, grafico

Calcolo: Shadow Flickering Analysis

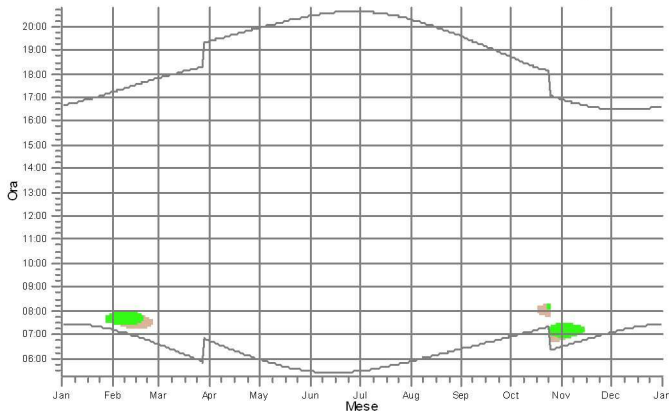
19: Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0)



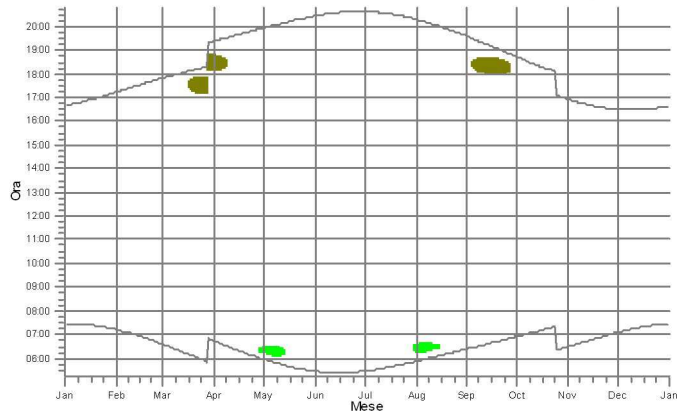
20: Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0)



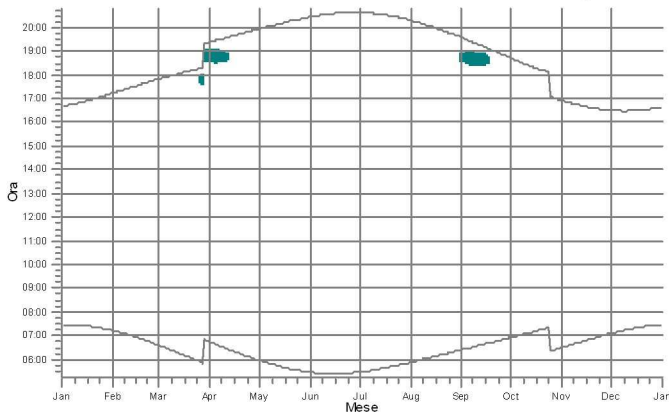
21: Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0)



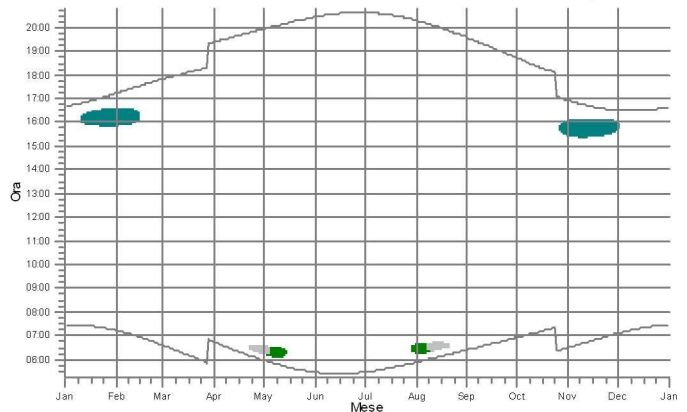
22: Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0)



23: Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0)



24: Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0)



Recettori d'ombra

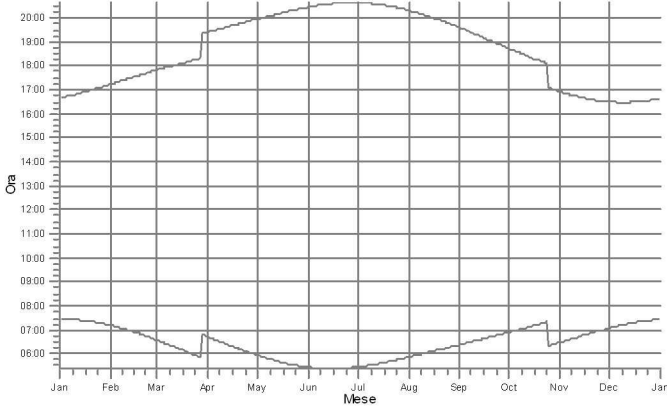
- R1: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (76)
- R14: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (89)
- R17: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (92)
- R18: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (93)
- R19: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (94)

- R2: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (77)
- R6: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (81)
- R7: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (82)
- R8: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (83)

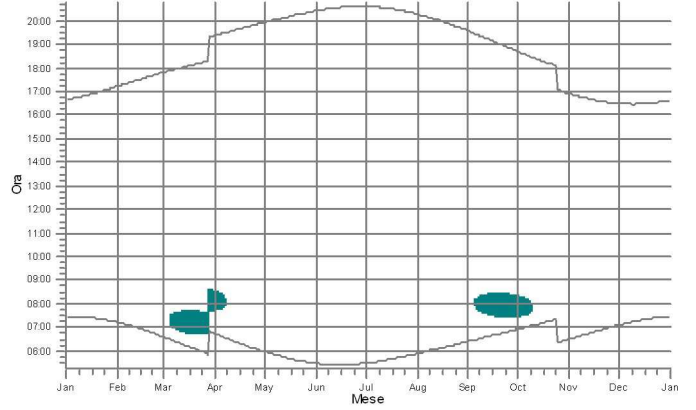
SHADOW - Calendario per WTG, grafico

Calcolo: Shadow Flickering Analysis

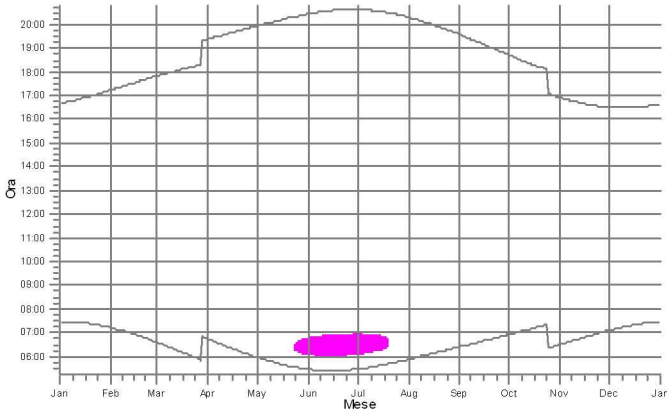
25: Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0)



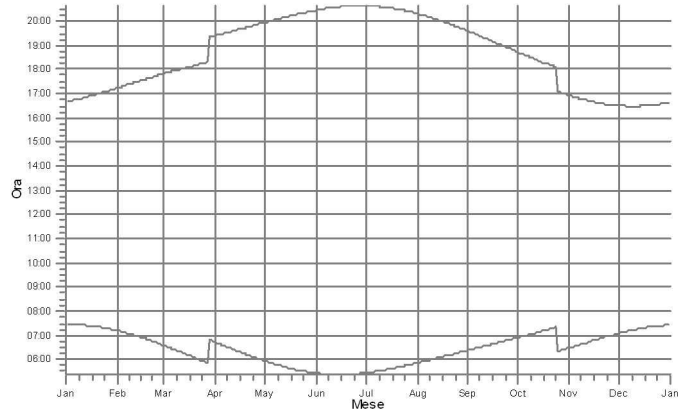
26: Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0)



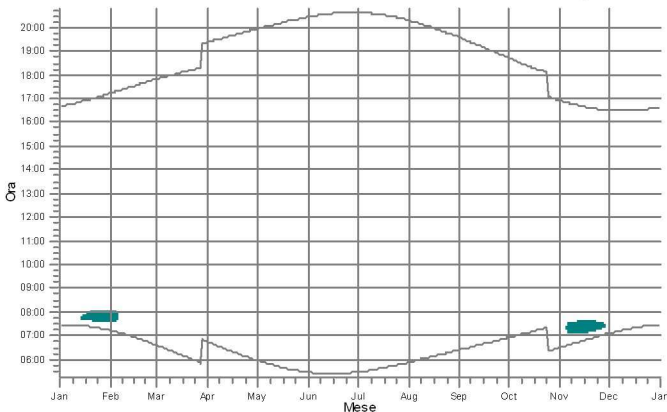
27: Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0)



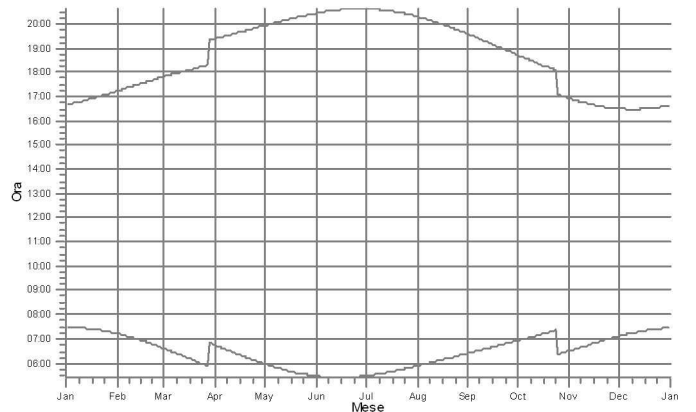
28: Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0)



29: Siemens Gamesa SG 6.0-170 6000 170.0 !O! hub: 165.0 m (TOT: 250.0)



30: PowerWind 56



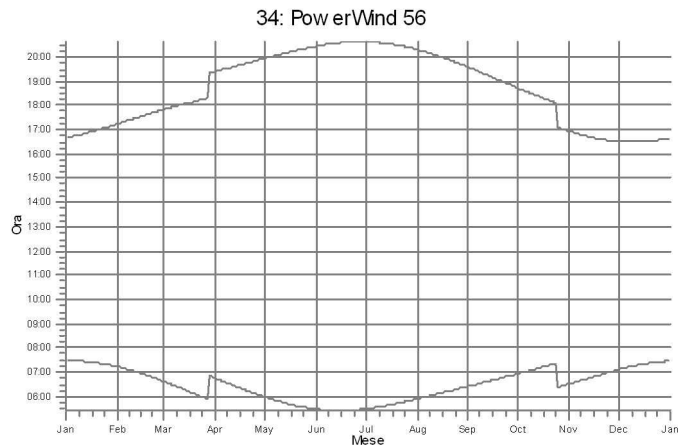
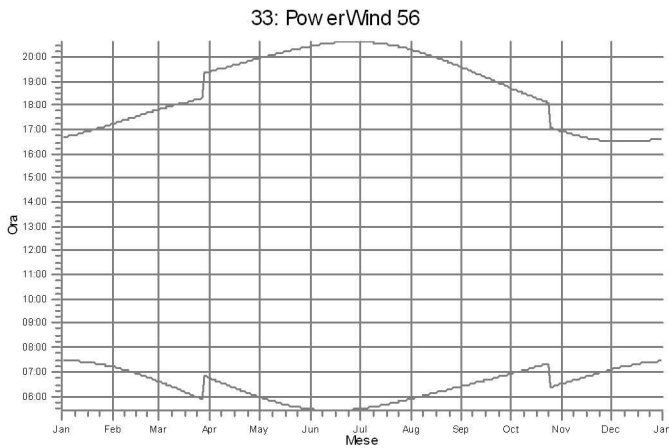
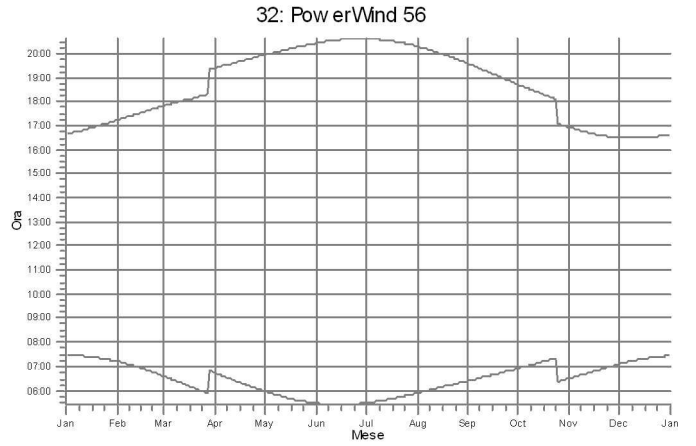
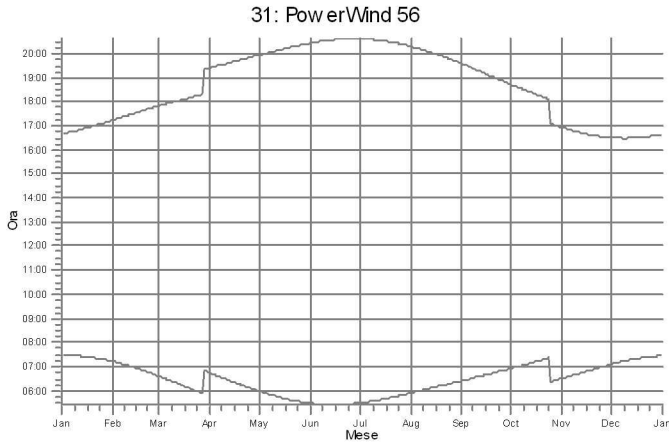
Recettori d'ombra

R13 Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (88)

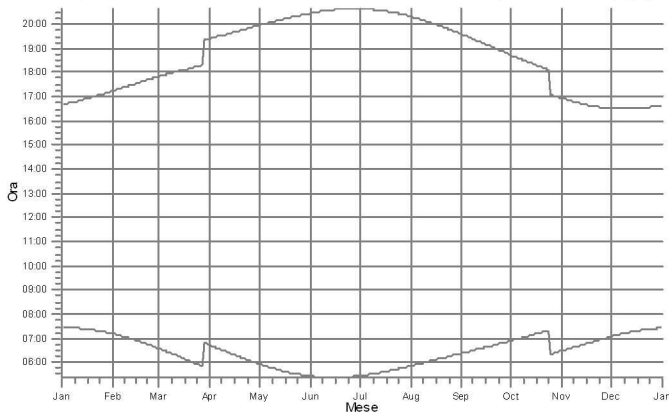
R14 Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (89)

SHADOW - Calendario per WTG, grafico

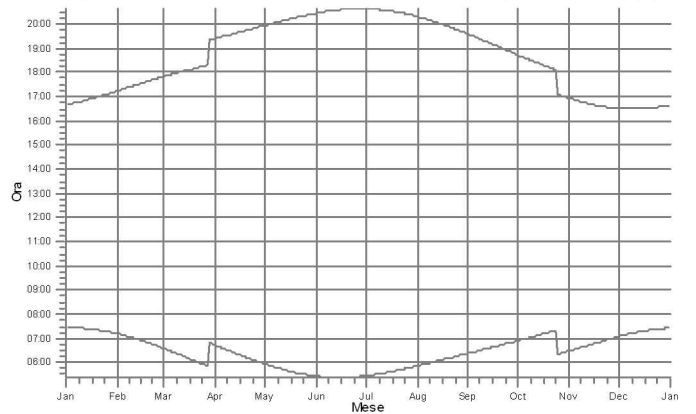
Calcolo: Shadow Flickering Analysis



35: REpower 57/1000 1050-250 57.0 !-!hub: 55.0 m (TOT: 83.5 m) (6)



36: REpower 57/1000 1050-250 57.0 !-!hub: 55.0 m (TOT: 83.5 m) (7)

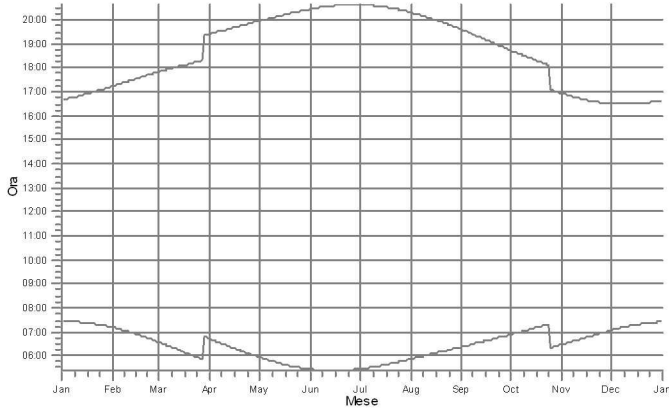


Recettori d'ombra

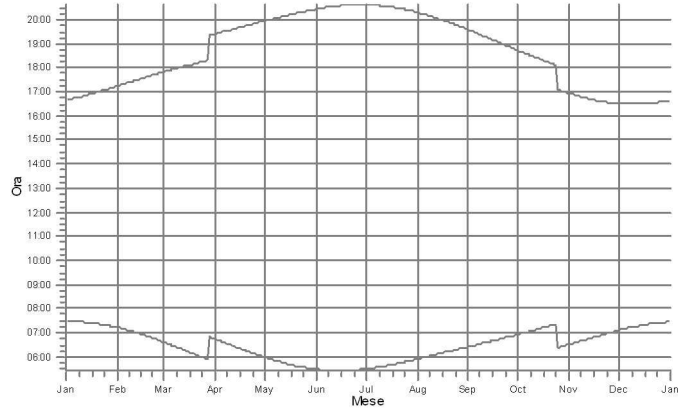
SHADOW - Calendario per WTG, grafico

Calcolo: Shadow Flickering Analysis

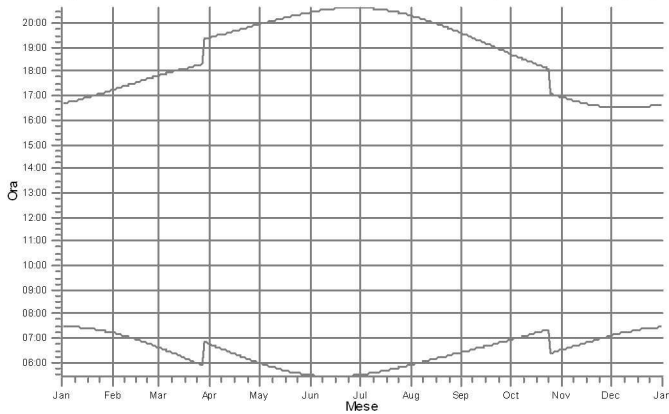
37: REpower 57/1000 1050-250 57.0 !-! hub: 55.0 m (TOT: 83.5 m) (8)



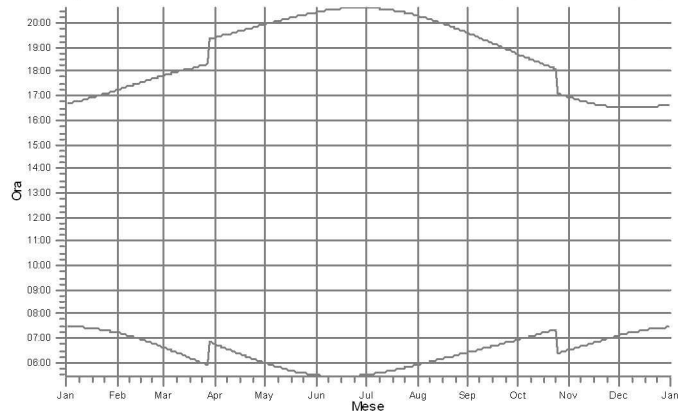
38: R80680



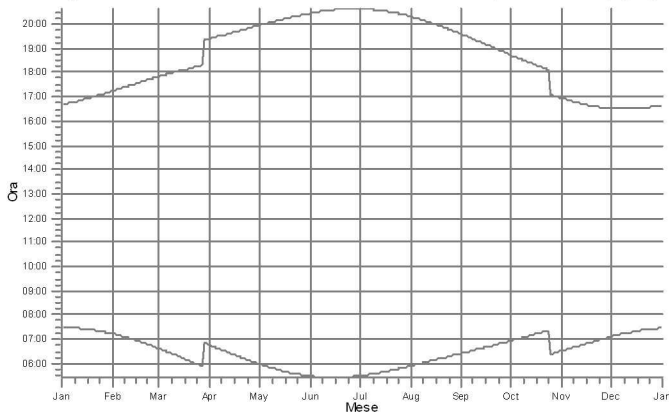
39: REpower 57/1000 1050-250 57.0 !-! hub: 55.0 m (TOT: 83.5 m) (10)



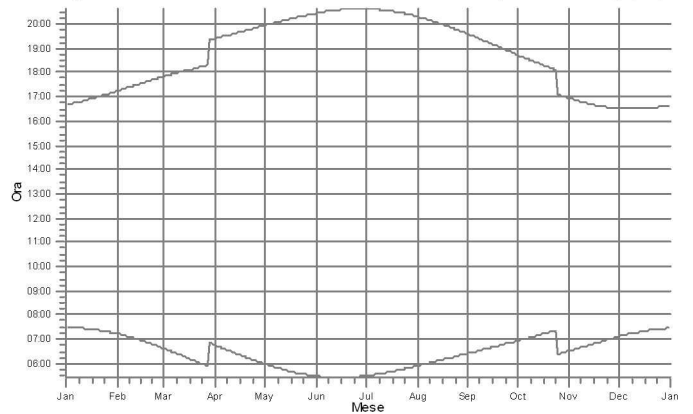
40: REpower 57/1000 1050-250 57.0 !-! hub: 55.0 m (TOT: 83.5 m) (12)



41: REpower 57/1000 1050-250 57.0 !-! hub: 55.0 m (TOT: 83.5 m) (13)



42: REpower 57/1000 1050-250 57.0 !-! hub: 55.0 m (TOT: 83.5 m) (14)

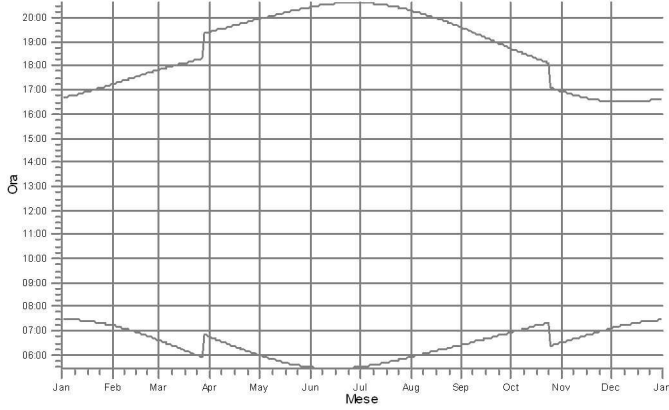


Recettori d'ombra

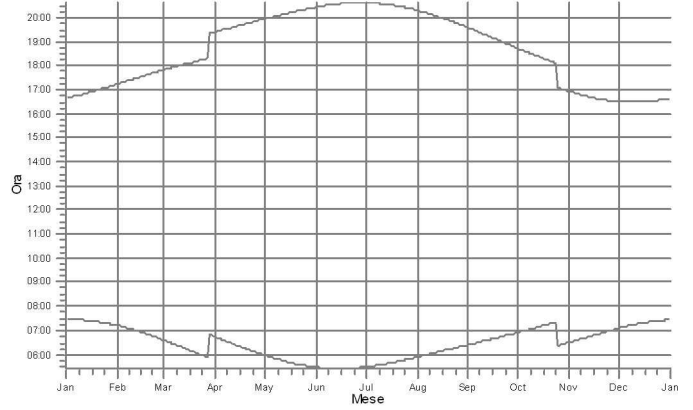
SHADOW - Calendario per WTG, grafico

Calcolo: Shadow Flickering Analysis

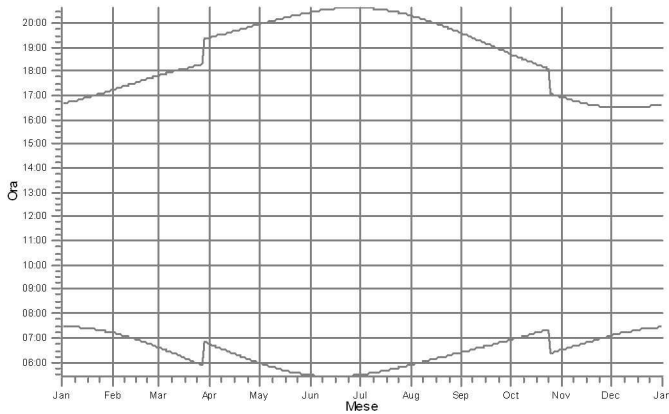
43: REpower 57/1000 1050-250 57.0 !-! hub: 55.0 m (TOT: 83.5 m) (16)



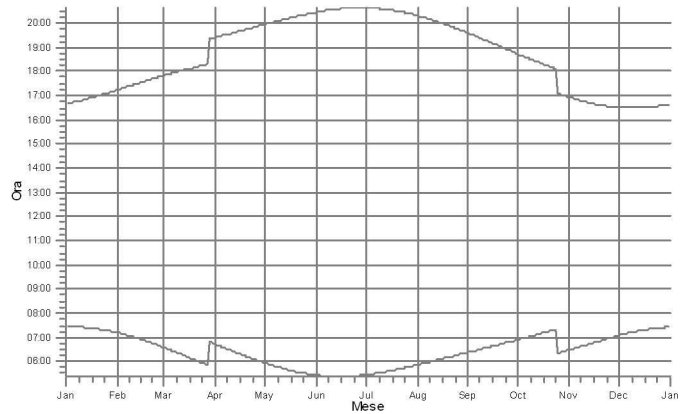
44: PowerWind 56



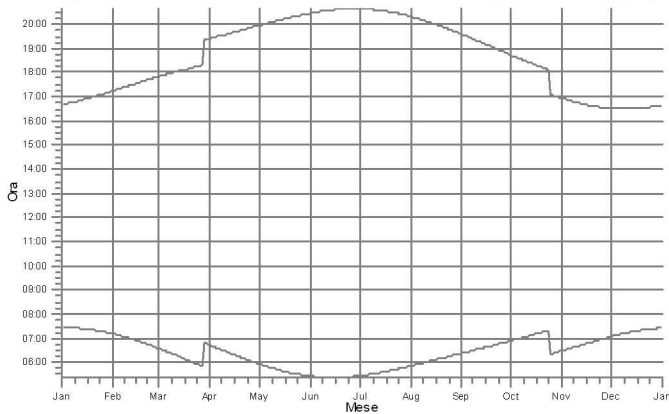
45: PowerWind 56



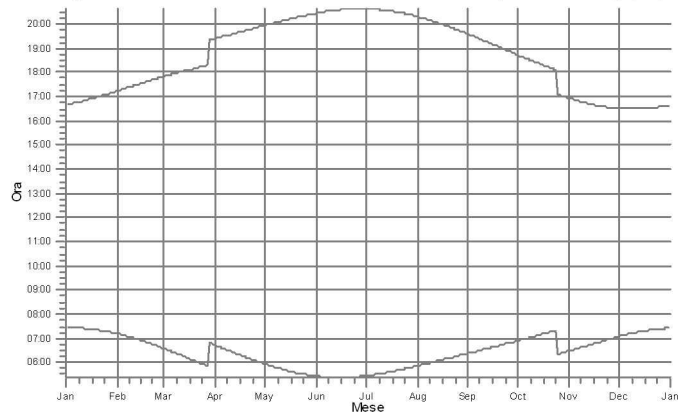
46: REpower 57/1000 1050-250 57.0 !-! hub: 55.0 m (TOT: 83.5 m) (71)



47: REpower 57/1000 1050-250 57.0 !-! hub: 55.0 m (TOT: 83.5 m) (72)



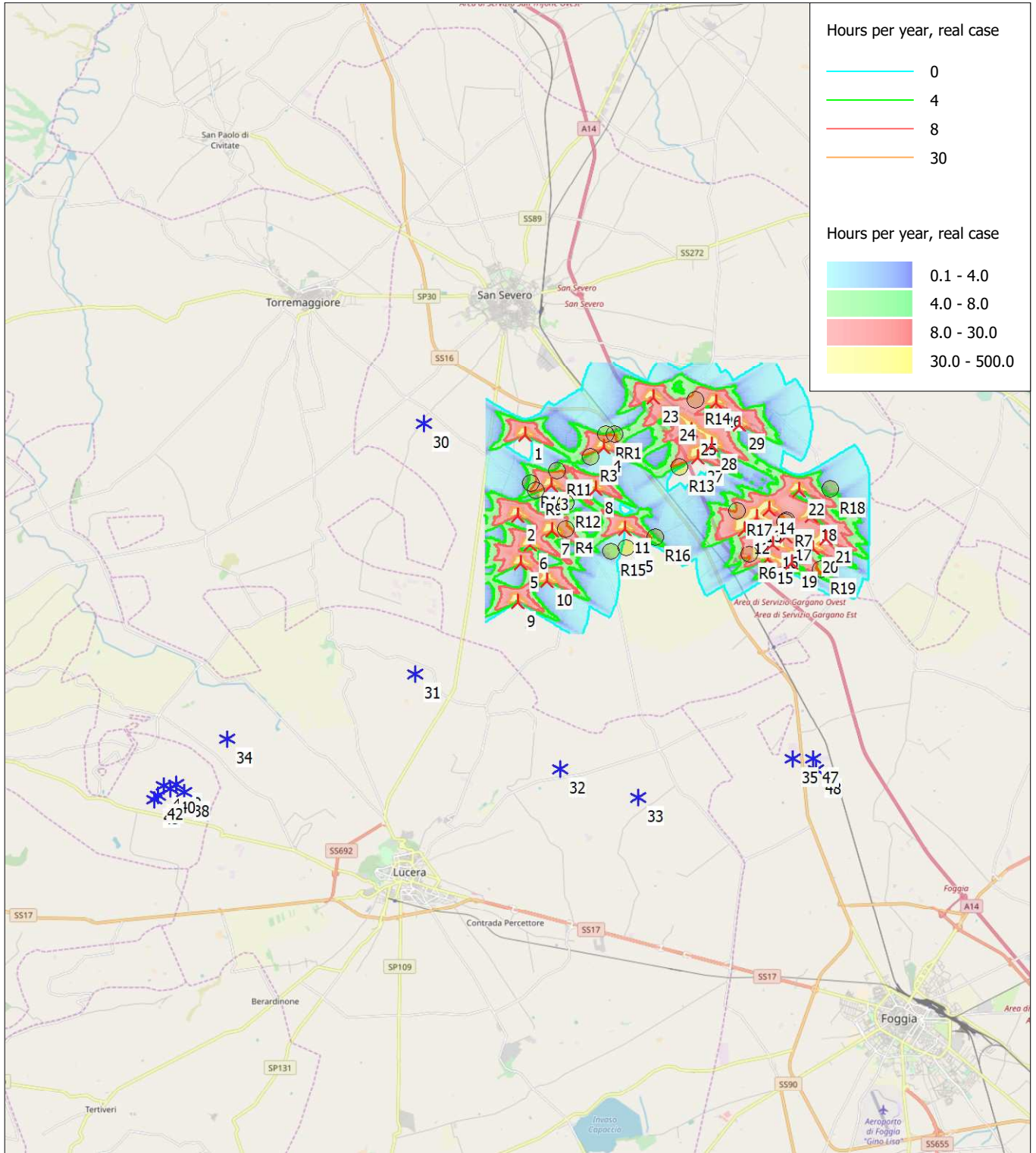
48: REpower 57/1000 1050-250 57.0 !-! hub: 55.0 m (TOT: 83.5 m) (73)



Recettori d'ombra

SHADOW - Mappa

Calcolo: Shadow Flickering Analysis



0 2.5 5 7.5 10km

Mappa: EMD OpenStreetMap , Scala di stampa 1:200,000, Centro mappa UTM (north)-WGS84 Zone: 33 Est: 531,820 Nord: 4,605,379
 Nuova WTG * WTG preesistente Recettore d'ombra
 Flicker map level: Project Wizard Elevation Data Grid (SRTM: Shuttle DTM 1 arc-second)