

AUTOSTRADA VALDASTICO

A31 NORD

1° LOTTO

Piovene Rocchette - Valle dell'Astico

PROGETTO DEFINITIVO

CUP G21B1 30006 60005
WBS B25.A31N.L1
COMMESSA J16L1

COMMITTENTE



S.p.A. AUTOSTRADA BRESCIA VERONA VICENZA PADOVA
Area Costruzioni Autostradali

CAPO COMMESSA
PER LA PROGETTAZIONE
Dott. Ing. Gabriella Costantini

PRESTATORE DI SERVIZI:
CONSORZIO RAETIA



RAPPRESENTANTE: Dott. Ing. Alberto Scotti

RESPONSABILE DELL'INTERMEDIAZIONE
TRA LE PARTI INTERESSATE SPECIALISTICHE:
Technital S.p.A. - Dott. Ing. Andrea Renzo



PROGETTAZIONE:
ITALCONSULT



ELABORATO: IMPIANTI
RELAZIONI
IMPIANTI ELETTRICI
CALCOLI ILLUMINOTECNICI

Progressivo Rev.
12 01 02 003 02

Rev.	Data	Descrizione	Redazione	Controllo	Approvazione	SCALA: -
00	MARZO 2017	PRIMA EMISSIONE	ITALCONSULT - CUGINI	A. MIOSI	G. MONDELLO	NOME FILE: J16L1_12_01_02_003_0101_OPD_02.doc
01	GIUGNO 2017	REVISIONE PER VERIFICA	ITALCONSULT - CUGINI	A. MIOSI	G. MONDELLO	CM. PROGR. FG. LIV. REV.
02	LUGLIO 2017	RECEPIMENTO OSSERVAZIONI	ITALCONSULT - CUGINI	A. MIOSI	G. MONDELLO	J16L1_12_01_02_003_0101_OPD_02

AUTOSTRADA VALDASTICO A31 NORD
1° LOTTO
PIOVENE ROCCHETTE – VALLE DELL’ASTICO

Committente:



Progettazione:

CONSORZIO RAETIA



PROGETTO DEFINITIVO

CALCOLI ILLUMINOTECNICI

I N D I C E

1	PREMESSA	3
2	ALLEGATI	4

1 PREMESSA

La presente Relazione tecnica di calcolo ha per oggetto i calcoli illuminotecnici delle seguenti opere:

Gallerie

- Galleria S. Agata 1;
- Galleria S. Agata 2;
- Galleria Cogollo;
- Galleria Pedescaia;
- Galleria S. Pietro;

Svincoli

- Svincolo di Piovene;
- Svincolo Cogollo del Cengio;
- Svincolo Pedemonte.

nell’ambito dell’Autostrada A 31 Nord Trento Rovigo – Tronco Trento - Valdastico – Piovene Rocchette.

I calcoli eseguiti confermano il rispetto dei parametri illuminotecnici delle normative vigenti, sia per quanto riguarda i tunnel stradali che le viabilità all’aperto.

2 ALLEGATI

I calcoli illuminotecnici di seguito allegati sono i seguenti:

- Allegato 1 – Calcoli illuminotecnici galleria a sezione rettangolare S. Agata 1 – Illuminazione permanente;
- Allegato 2 – Calcoli illuminotecnici galleria a sezione rettangolare S. Agata 1 – Illuminazione di rinforzo;
- Allegato 3 – Calcoli illuminotecnici gallerie a sezione circolare – Illuminazione permanente;
- Allegato 4 – Calcoli illuminotecnici gallerie a sezione circolare – Illuminazione di rinforzo;
- Allegato 5 – Calcoli illuminotecnici (tipici) di svincolo.

Tunnel

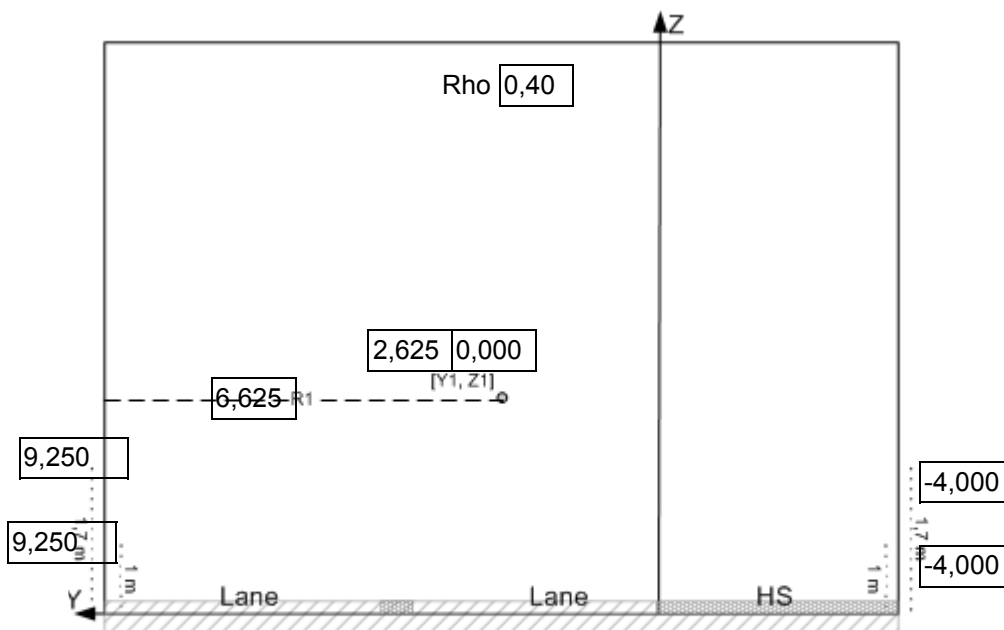
Progetto User :

Localizzazione

Nome file

Descrizione

Cross Section



Dettagli carreggiata

Guida : Direzi

Corsie: Larghez

RTable : Q0 :

Spartitraffico Banchina Invariazioni

Dettagli griglia

Punto Posizione X:

Osservato Età :

Punti per corsia :

Punti :

Passo :

Calcolo

Carre IL LU TI HS : IL LU

Parete ULL

Interpolazion

Apparecchio - Base

TI	Origine			Count		Apparecchio					st
Fila	X	Y	Z	Count	Interdistanza	Apparecchio	Flux	Azimut	Inclinazione	Rotazione	abl
0	-25,200	0,000	6,000	8	12,600	5102 51W 500mA	7,118	0,0	0,0	0,0	<input checked="" type="checkbox"/>
0	-25,200	5,625	6,000	8	12,600	5102 51W 500mA	7,118	0,0	0,0	0,0	<input checked="" type="checkbox"/>

Superfici

	Materiale	Qo	Rho	Manto stradale
Wall Right	Custom		0,400	
HardShoulder-UI-0		0,056		C2007.TYP
HardShoulder-UI-1		0,056		C2007.TYP
HardShoulder		0,056		C2007.TYP
Road-UI-0		0,056		C2007.TYP
Road-UI-1		0,056		C2007.TYP
Road		0,056		C2007.TYP
Wall Left	Custom		0,400	

Griglie (Rectangular)

	Lunghezza [m]	Larghezza [m]	Punti di calcolo				Osservatore
			Lunghezza totale		Larghezza totale		
			Passo [m]	Numero	Passo [m]	Numero	
Wall Right	22,680	0,700	2,520	10	0,700	2	
HardShoulder	22,680	2,000	2,520	10	1,000	3	Fisso
Road	22,680	6,250	2,520	10	1,250	6	Fisso
Wall Left	22,680	0,700	2,520	10	0,700	2	

Osservatore

Nome	Calcolo	##Punti	Origine	Direzione :	TI
					Griglia
TI Observer 0	TI	10	0;1,875;1,5	0°	Road
TI Observer 1	TI	10	0;5,625;1,5	0°	Road

Configurazione apparecchi: Luminaire Locator

Nome	5102 51W 500mA	Matrice	33631S		
Tipo		Riflettore		Chiusura	
Sorgente		Regolazioni			
Potenza di lampada [W]		Flusso	7,1	Fattore di Manutenzione	0,80
Potenza apparecchio [W]	51,0	Numero	16	Potenza totale [W]	816

Potenza totale installata [W] 816

Posizione apparecchi (singola)

	X [m]	Y [m]	Z [m]	Flusso reale [%]	Az. [°]	Incl. [°]	Rot. [°]	ON
5102 51W 500mA	-25,200	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 51W 500mA	-25,200	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 51W 500mA	-12,600	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 51W 500mA	-12,600	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 51W 500mA	0,000	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 51W 500mA	0,000	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 51W 500mA	12,600	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 51W 500mA	12,600	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 51W 500mA	25,200	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 51W 500mA	25,200	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 51W 500mA	37,800	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 51W 500mA	37,800	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 51W 500mA	50,400	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 51W 500mA	50,400	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 51W 500mA	63,000	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 51W 500mA	63,000	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>

Riepilogo configurazione Luminaire Locator

Wall Right (Cross Section Italy)

Illuminamento				
Min	Max	Med	Min/Max	Min/Med
14,0	19,5	16,9	71,7	82,7

Luminanza (Lambert)				
Min	Max	Med	Min/Max	Min/Med
1,78	2,49	2,16	71,7	82,7

HardShoulder-UI-0 (Cross Section Italy)

Illuminamento				
Min	Max	Med	Min/Max	Min/Med
39,0	50,3	45,1	77,5	86,5

Luminanza (RTable)						
Y Observer	Min	Max	Med	Min/Max	Min/Med	UL
Obs Y = 1,875	2,29	2,38	2,33	96,1	98,2	96,1

HardShoulder-UI-1 (Cross Section Italy)

Illuminamento				
Min	Max	Med	Min/Max	Min/Med
39,0	50,3	45,1	77,5	86,5

Luminanza (RTable)						
Y Observer	Min	Max	Med	Min/Max	Min/Med	UL
Obs Y = 5,625	2,01	2,14	2,09	94,0	96,6	94,0

HardShoulder (Cross Section Italy)

Illuminamento				
Min	Max	Med	Min/Max	Min/Med
31,4	60,1	44,7	52,3	70,2

Luminanza (RTable)					
Y Observer	Min	Max	Med	Min/Max	Min/Med
Obs Y = 1,875	1,57	3,33	2,39	47,3	65,9
Obs Y = 5,625	1,45	2,95	2,14	49,1	67,5

Road-UI-0 (Cross Section Italy)

Illuminamento				
Min	Max	Med	Min/Max	Min/Med
51,7	66,4	59,6	77,7	86,7

Luminanza (RTable)						
Y Observer	Min	Max	Med	Min/Max	Min/Med	UL
Obs Y = 1,875	3,13	3,21	3,18	97,4	98,4	97,4

Road-UI-1 (Cross Section Italy)

Illuminamento				
Min	Max	Med	Min/Max	Min/Med
48,8	63,9	56,8	76,4	85,9

Y Observer	Min	Max	Med	Min/Max	Min/Med	UL
Obs Y = 5,625	3,59	3,83	3,71	93,7	96,8	93,7

Road (Cross Section Italy)

Illuminamento				
Min	Max	Med	Min/Max	Min/Med
40,9	66,9	56,9	61,2	71,9

Luminanza (RTable)						
Y Observer	Min	Max	Med	Min/Max	Min/Med	UL
Obs Y = 1,875	2,33	3,81	3,24	61,2	71,9	97,4
Obs Y = 5,625	2,66	3,83	3,30	69,4	80,6	93,7

Wall Left (Cross Section Italy)

Illuminamento				
Min	Max	Med	Min/Max	Min/Med
15,3	21,6	18,7	70,7	81,9

Luminanza (Lambert)				
Min	Max	Med	Min/Max	Min/Med
1,95	2,76	2,38	70,7	81,9

Luminance (Lambert) Wall Right (Cross Section Italy) Luminaire Locator 1,260 23,940
Origin X = 1,260 Y = -4,000 Z = 1,000

0,700	2,39	1,96	1,78	1,96	2,39	2,39	1,96	1,78	1,96	2,39	74,7
0,000	2,48	2,10	1,93	2,10	2,49	2,49	2,10	1,93	2,10	2,49	77,7
X/Y'	1,260	3,780	6,300	8,820	11,340	13,860	16,380	18,900	21,420	23,940	UI%
Min/Ave	98,0	96,6	96,0	96,5	98,0	98,0	96,5	96,0	96,5	98,0	
Ave	2,44	2,03	1,86	2,03	2,44	2,44	2,03	1,86	2,03	2,44	

Luminance HardShoulder-UI-0 (Cross Section Italy) Observer dX = -60,000 Y = 1,875 dZ = 1,500 Location = Luminaire Locator 1,260 23,940
Origin X = 1,260 Y = -1,500 Z = 0,000

-1,500	2,29	2,33	2,31	2,30	2,31	2,33	2,38	2,35	2,34	2,35	96,1
X/Y	1,260	3,780	6,300	8,820	11,340	13,860	16,380	18,900	21,420	23,940	UI%

Luminance HardShoulder-UI-1 (Cross Section Italy) Observer dX = -60,000 Y = 5,625 dZ = 1,500 Location = Luminaire Locator 1,260 23,940
Origin X = 1,260 Y = -1,500 Z = 0,000

-1,500	2,01	2,05	2,04	2,07	2,09	2,10	2,12	2,11	2,12	2,14	94,0
X/Y	1,260	3,780	6,300	8,820	11,340	13,860	16,380	18,900	21,420	23,940	UI%

Luminance HardShoulder (Cross Section Italy) Observer dX = -60,000 Y = 1,875 dZ = 1,500 Location = Luminaire Locator 1,260 23,940
Origin X = 1,260 Y = -2,500 Z = 0,000

-0,500	3,21	3,28	3,20	3,11	3,18	3,26	3,33	3,24	3,15	3,21	
-1,500	2,29	2,33	2,31	2,30	2,31	2,33	2,38	2,35	2,34	2,35	
-2,500	1,60	1,58	1,57	1,61	1,64	1,63	1,61	1,60	1,64	1,67	
X/Y	1,260	3,780	6,300	8,820	11,340	13,860	16,380	18,900	21,420	23,940	
Min/Ave	67,6	65,8	66,7	68,8	69,0	67,9	65,9	66,7	69,1	69,3	
Ave	2,36	2,40	2,36	2,34	2,38	2,41	2,44	2,40	2,38	2,41	

Luminance **HardShoulder (Cross Section Italy)** **Observer dX = -60,000 Y = 5,625 dZ = 1,500 Location = Fixed** **Luminaire Locator** **1,260 ↗ 23,940**
Origin X = 1,260 Y = -2,500 Z = 0,000

-0,500	2,77	2,86	2,86	2,77	2,81	2,87	2,95	2,93	2,84	2,88
-1,500	2,01	2,05	2,04	2,07	2,09	2,10	2,12	2,11	2,12	2,14
-2,500	1,47	1,46	1,45	1,47	1,52	1,52	1,50	1,49	1,51	1,55
X/Y	1,260	3,780	6,300	8,820	11,340	13,860	16,380	18,900	21,420	23,940
Min/Ave	70,5	68,7	68,4	70,0	71,2	70,1	68,4	68,5	70,0	70,7
Ave	2,08	2,12	2,12	2,11	2,14	2,16	2,19	2,17	2,16	2,19

Luminance **Road-UI-0 (Cross Section Italy)** **Observer dX = -60,000 Y = 1,875 dZ = 1,500 Location = Fixed** **Luminaire Locator** **1,260 ↗ 23,940**
Origin X = 1,260 Y = 1,875 Z = 0,000

1,875	3,21	3,19	3,13	3,16	3,21	3,20	3,18	3,13	3,16	3,21	97,4
X/Y	1,260	3,780	6,300	8,820	11,340	13,860	16,380	18,900	21,420	23,940	UI%

Luminance **Road-UI-1 (Cross Section Italy)** **Observer dX = -60,000 Y = 5,625 dZ = 1,500 Location = Fixed** **Luminaire Locator** **1,260 ↗ 23,940**
Origin X = 1,260 Y = 5,625 Z = 0,000

5,625	3,78	3,83	3,69	3,60	3,65	3,78	3,83	3,68	3,59	3,65	93,7
X/Y	1,260	3,780	6,300	8,820	11,340	13,860	16,380	18,900	21,420	23,940	UI%

Luminance **Road (Cross Section Italy)** **Observer dX = -60,000 Y = 1,875 dZ = 1,500 Location = Fixed** **Luminaire Locator** **1,260 ↻ 23,940**

Origin X = 1,260 Y = 0,625 Z = 0,000

6,875	2,33	2,38	2,38	2,36	2,37	2,39	2,45	2,45	2,41	2,43
5,625	3,40	3,50	3,41	3,30	3,37	3,48	3,57	3,48	3,36	3,43
4,375	3,72	3,69	3,61	3,56	3,61	3,69	3,66	3,59	3,52	3,58
3,125	3,12	3,09	3,03	3,08	3,13	3,11	3,08	3,02	3,07	3,11
1,875	3,21	3,19	3,13	3,16	3,21	3,20	3,18	3,13	3,16	3,21
0,625	3,81	3,79	3,68	3,61	3,71	3,79	3,78	3,67	3,60	3,70
X/Y	1,260	3,780	6,300	8,820	11,340	13,860	16,380	18,900	21,420	23,940
Min/Ave	71,4	72,8	74,2	74,2	73,4	73,1	74,6	75,9	75,7	74,9
Ave	3,26	3,27	3,21	3,18	3,23	3,28	3,29	3,22	3,19	3,24

Luminance **Road (Cross Section Italy)** **Observer dX = -60,000 Y = 5,625 dZ = 1,500 Location = Fixed** **Luminaire Locator** **1,260 ↻ 23,940**

Origin X = 1,260 Y = 0,625 Z = 0,000

6,875	2,72	2,74	2,72	2,66	2,70	2,74	2,77	2,74	2,68	2,71
5,625	3,78	3,83	3,69	3,60	3,65	3,78	3,83	3,68	3,59	3,65
4,375	3,34	3,33	3,29	3,26	3,34	3,36	3,35	3,30	3,27	3,35
3,125	3,08	3,07	2,99	3,04	3,09	3,07	3,06	2,98	3,02	3,07
1,875	3,57	3,52	3,44	3,42	3,48	3,51	3,47	3,39	3,36	3,43
0,625	3,57	3,60	3,52	3,47	3,57	3,64	3,67	3,59	3,50	3,61
X/Y	1,260	3,780	6,300	8,820	11,340	13,860	16,380	18,900	21,420	23,940
Min/Ave	81,3	82,0	83,0	82,1	81,6	81,9	82,5	83,5	82,7	82,1
Ave	3,34	3,35	3,27	3,24	3,30	3,35	3,36	3,28	3,24	3,30

Luminance (Lambert) **Wall Left (Cross Section Italy)** **Luminaire Locator** **1,260 ↻ 23,940**

Origin X = 1,260 Y = 9,250 Z = 1,000

0,700	2,75	2,19	1,95	2,20	2,76	2,76	2,20	1,95	2,20	2,76	70,7
0,000	2,68	2,25	2,05	2,25	2,68	2,68	2,25	2,05	2,25	2,68	76,6
X/Y'	1,260	3,780	6,300	8,820	11,340	13,860	16,380	18,900	21,420	23,940	UI%
Min/Ave	98,6	98,8	97,3	98,8	98,6	98,6	98,8	97,3	98,8	98,6	
Ave	2,72	2,22	2,00	2,22	2,72	2,72	2,22	2,00	2,22	2,72	

Calcolo TI

Configurazione

apparecchi:

Luminaire Locator

Nome	Direzione :	Indice	Position	Tl
TI Observer 0	0	0	0; 1,875; 1,5	9,88
TI Observer 1	0	0	0; 5,625; 1,5	9,47

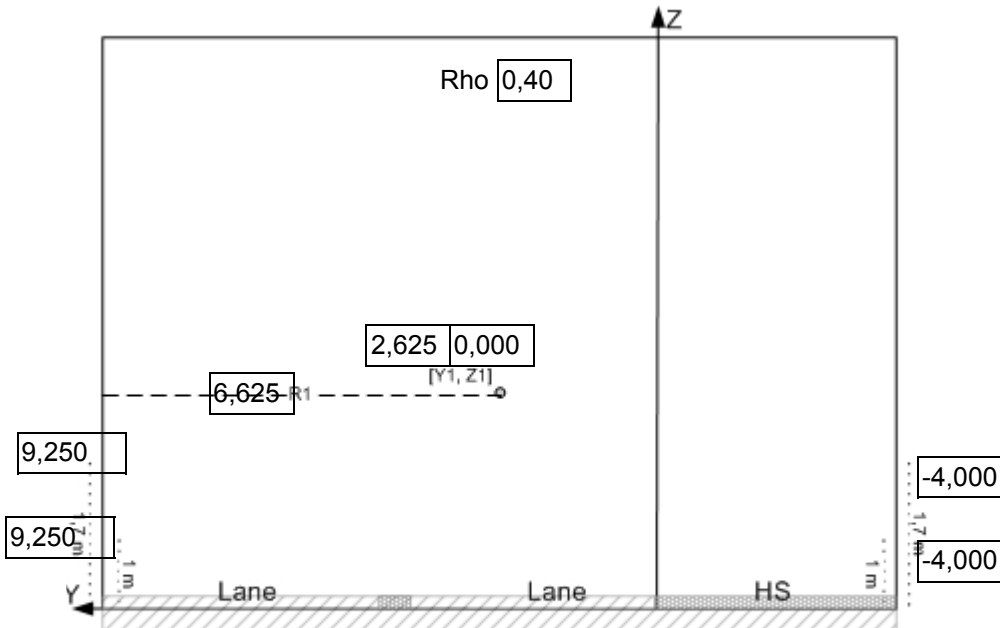
Progetto User :

Localizzazione

Nome file

Descrizione

Cross Section



Dettagli carreggiata

Guida : Direzi

Corsie: Larghez

RTable : Q0 :

Spartitraffico Banchina Invariazioni

Dettagli griglia

Punto Posizione X:

Osservato Età :

Punti per corsia :

Punti :

Passo :

Calcolo

Carre IL LU TI HS : IL LU

Parete ULL

Interpolazion

Apparecchio - Base

TI	Origine			Count		Apparecchio					st
Fila	X	Y	Z	Count	Interdistanza	Apparecchio	Flux	Azimut	Inclinazione	Rotazione	abl
0	5,900	0,000	6,000	8	12,600	5102 51W 500mA	7,118	0,0	0,0	0,0	<input checked="" type="checkbox"/>
0	5,900	5,625	6,000	8	12,600	5102 51W 500mA	7,118	0,0	0,0	0,0	<input checked="" type="checkbox"/>

Apparecchio - Th1

TI	Origine			Count		Apparecchio					st
Row	X	Y	Z	Count	Interdistanza	Apparecchio	Flux	Azimut	Inclinazione	Rotazione	abl
	6,800	0,000	6,000	49	1,800	OMNISTAR XPL HD 2261 700mA	47,408	270,0	0,0	0,0	<input checked="" type="checkbox"/>
	6,800	5,600	6,000	49	1,800	OMNISTAR XPL HD 2261 700mA	47,408	270,0	0,0	0,0	<input checked="" type="checkbox"/>

Superfici

	Materiale	Qo	Rho	Manto stradale
Wall Right	Custom		0,400	
HardShoulder-UI-0		0,056		C2007.TYP
HardShoulder-UI-1		0,056		C2007.TYP
HardShoulder		0,056		C2007.TYP
Road-UI-0		0,056		C2007.TYP
Road-UI-1		0,056		C2007.TYP
Road		0,056		C2007.TYP
Wall Left	Custom		0,400	

Griglie (Rectangular)

	Lunghezza [m]	Larghezza [m]	Punti di calcolo				Osservatore
			Lunghezza totale		Larghezza totale		
			Passo [m]	Numero	Passo [m]	Numero	
Wall Right	100,000	0,700	2,500	41	0,700	2	
HardShoulder	100,000	2,000	2,500	41	1,000	3	Mobile XY
Road	100,000	6,250	2,500	41	1,250	6	Mobile XY
Wall Left	100,000	0,700	2,500	41	0,700	2	

Osservatore

Nome	Calcolo	##Punti	Origine	Direzione :	TI
					Griglia
TI Observer 0	TI	41	0;1,875;1,5	0°	Road
TI Observer 1	TI	41	0;5,625;1,5	0°	Road

Configurazione apparecchi: Luminaire Locator

Nome	5102 51W 500mA	Matrice	33631S		
Tipo		Riflettore		Chiusura	
Sorgente		Regolazioni			
Potenza di lampada [W]		Flusso	7,1	Fattore di Manutenzione	0,80
Potenza apparecchio [W]	51,0	Numero	16	Potenza totale [W]	816

Nome	OMNISTAR XPL	Matrice	352702		
Tipo		Riflettore		Chiusura	
Sorgente		Regolazioni			
Potenza di lampada [W]		Flusso	47,4	Fattore di Manutenzione	0,80
Potenza apparecchio [W]	307,0	Numero	98	Potenza totale [W]	30086

Potenza totale installata [W] 30902

Posizione apparecchi (singola)

	X [m]	Y [m]	Z [m]	Flusso reale [%]	Az. [°]	Incl. [°]	Rot. [°]	ON
5102 51W 500mA	5,900	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 51W 500mA	5,900	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	6,800	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	6,800	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	8,600	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	8,600	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	10,400	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	10,400	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	12,200	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	12,200	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	14,000	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	14,000	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	15,800	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	15,800	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	17,600	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	17,600	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 51W 500mA	18,500	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 51W 500mA	18,500	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	19,400	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	19,400	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	21,200	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	21,200	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	23,000	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	23,000	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	24,800	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	24,800	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	26,600	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	26,600	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	28,400	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	28,400	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	30,200	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	30,200	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>

Posizione apparecchi (singola)

	X [m]	Y [m]	Z [m]	Flusso reale [%]	Az. [°]	Incl. [°]	Rot. [°]	ON
5102 51W 500mA	31,100	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 51W 500mA	31,100	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	32,000	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	32,000	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	33,800	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	33,800	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	35,600	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	35,600	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	37,400	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	37,400	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	39,200	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	39,200	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	41,000	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	41,000	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	42,800	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	42,800	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 51W 500mA	43,700	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 51W 500mA	43,700	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	44,600	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	44,600	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	46,400	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	46,400	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	48,200	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	48,200	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	50,000	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	50,000	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	51,800	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	51,800	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	53,600	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	53,600	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	55,400	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	55,400	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 51W 500mA	56,300	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 51W 500mA	56,300	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	57,200	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	57,200	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	59,000	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	59,000	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	60,800	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	60,800	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	62,600	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	62,600	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	64,400	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	64,400	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	66,200	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	66,200	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	68,000	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	68,000	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>

Posizione apparecchi (singola)

	X [m]	Y [m]	Z [m]	Flusso reale [%]	Az. [°]	Incl. [°]	Rot. [°]	ON
5102 51W 500mA	68,900	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 51W 500mA	68,900	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	69,800	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	69,800	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	71,600	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	71,600	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	73,400	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	73,400	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	75,200	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	75,200	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	77,000	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	77,000	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	78,800	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	78,800	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	80,600	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	80,600	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 51W 500mA	81,500	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 51W 500mA	81,500	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	82,400	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	82,400	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	84,200	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	84,200	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	86,000	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	86,000	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	87,800	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	87,800	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	89,600	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	89,600	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	91,400	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	91,400	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	93,200	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	93,200	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 51W 500mA	94,100	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 51W 500mA	94,100	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>

Riepilogo configurazione Luminaire Locator

Wall Right (Cross Section Italy)

Illuminamento				
Min	Max	Med	Min/Max	Min/Med
16,6	1123,6	925,0	1,5	1,8
Luminanza (Lambert)				
Min	Max	Med	Min/Max	Min/Med
2,12	143,06	117,78	1,5	1,8

HardShoulder-UI-0 (Cross Section Italy)

Illuminamento				
Min	Max	Med	Min/Max	Min/Med
39,4	1777,5	1488,2	2,2	2,6

Luminanza (RTable)					
Y Observer	Min	Max	Med	Min/Max	Min/Med
Obs Y = 1,875	1,33	113,94	94,76	1,2	1,4

HardShoulder-UI-1 (Cross Section Italy)

Illuminamento				
Min	Max	Med	Min/Max	Min/Med
39,4	1777,5	1488,2	2,2	2,6

Luminanza (RTable)					
Y Observer	Min	Max	Med	Min/Max	Min/Med
Obs Y = 5,625	1,33	113,94	94,76	1,2	1,4

HardShoulder (Cross Section Italy)

Illuminamento				
Min	Max	Med	Min/Max	Min/Med
33,8	1974,4	1475,2	1,7	2,3

Luminanza (RTable)					
Y Observer	Min	Max	Med	Min/Max	Min/Med
Obs Y = 1,875	1,16	140,81	94,17	0,8	1,2
Obs Y = 5,625	1,16	140,81	94,17	0,8	1,2

Road-UI-0 (Cross Section Italy)

Illuminamento				
Min	Max	Med	Min/Max	Min/Med
49,4	2242,4	1873,9	2,2	2,6

Luminanza (RTable)					
Y Observer	Min	Max	Med	Min/Max	Min/Med
Obs Y = 1,875	1,65	134,62	111,96	1,2	1,5

Road-UI-1 (Cross Section Italy)

Illuminamento				
Min	Max	Med	Min/Max	Min/Med
46,4	2048,8	1717,8	2,3	2,7

Luminanza (RTable)					
Y Observer	Min	Max	Med	Min/Max	Min/Med
Obs Y = 5,625	1,54	147,42	122,46	1,0	1,3

Road (Cross Section Italy)

Illuminamento				
Min	Max	Med	Min/Max	Min/Med
40,8	2267,3	1774,3	1,8	2,3

Luminanza (RTable)					
Y Observer	Min	Max	Med	Min/Max	Min/Med
Obs Y = 1,875	1,37	148,58	114,26	0,9	1,2
Obs Y = 5,625	1,37	148,58	114,26	0,9	1,2

Wall Left (Cross Section Italy)

Illuminamento				
Min	Max	Med	Min/Max	Min/Med
17,3	1166,7	951,7	1,5	1,8

Luminanza (Lambert)				
Min	Max	Med	Min/Max	Min/Med
2,21	148,55	121,18	1,5	1,8

Luminance (Lambert) Wall Right (Cross Section Italy) Luminaire Locator 0,000 ≤ 40,000
Origin X = 0,000 Y = -4,000 Z = 1,000

0,700	38,84	76,25	114,01	131,75	138,41	137,67	141,92	139,04	139,98	141,58	138,41	141,56	140,03	139,84	142,35	138,11	140,74
0,000	46,49	79,05	110,36	125,34	132,10	131,52	135,73	133,26	133,81	135,74	132,48	135,53	134,28	133,73	136,41	132,36	134,70
X/Y'	0,000	2,500	5,000	7,500	10,000	12,500	15,000	17,500	20,000	22,500	25,000	27,500	30,000	32,500	35,000	37,500	40,000
Min/Ave	91,0	98,2	98,4	97,5	97,7	97,7	97,8	97,9	97,7	97,9	97,8	97,8	97,9	97,8	97,9	97,9	97,8
Ave	42,66	77,65	112,18	128,55	135,25	134,60	138,83	136,15	136,90	138,66	135,45	138,54	137,16	136,78	139,38	135,23	137,72

Luminance (Lambert) Wall Right (Cross Section Italy) Luminaire Locator 42,500 ≤ 82,500
Origin X = 0,000 Y = -4,000 Z = 1,000

0,700	140,81	139,54	143,06	137,78	139,90	141,48	139,29	142,36	138,58	139,69	142,03	139,04	141,49	139,22	139,06	141,77	135,60
0,000	135,02	133,49	136,95	132,20	133,87	135,66	133,27	136,30	132,95	133,57	136,17	133,02	135,40	133,42	132,64	134,77	127,07
X/Y'	42,500	45,000	47,500	50,000	52,500	55,000	57,500	60,000	62,500	65,000	67,500	70,000	72,500	75,000	77,500	80,000	82,500
Min/Ave	97,9	97,8	97,8	97,9	97,8	97,9	97,8	97,8	97,9	97,8	97,9	97,8	97,8	97,9	97,6	97,5	96,8
Ave	137,91	136,52	140,00	134,99	136,88	138,57	136,28	139,33	135,77	136,63	139,10	136,03	138,44	136,32	135,85	138,27	131,33

Luminance (Lambert) Wall Right (Cross Section Italy) Luminaire Locator 85,000 ≤ 100,000
Origin X = 0,000 Y = -4,000 Z = 1,000

0,700	130,52	111,44	74,51	41,69	13,48	5,04	2,12	1,5
0,000	118,90	96,86	64,70	37,20	13,33	5,64	2,44	1,8
X/Y'	85,000	87,500	90,000	92,500	95,000	97,500	100,000	UI%
Min/Ave	95,3	93,0	93,0	94,3	99,5	94,4	93,1	
Ave	124,71	104,15	69,60	39,44	13,40	5,34	2,28	

Luminance HardShoulder-UI-0 (Cross Section Italy) Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location = Luminaire Locator 0,000 ≤ 40,000
Origin X = 0,000 Y = -1,500 Z = 0,000 FollowLongitudinalAndTransversal

-1,500	70,17	89,47	103,30	109,20	112,09	110,69	113,40	111,93	112,10	113,80	111,25	113,44	112,55	111,85	113,94	111,38	112,97
X/Y	0,000	2,500	5,000	7,500	10,000	12,500	15,000	17,500	20,000	22,500	25,000	27,500	30,000	32,500	35,000	37,500	40,000

Luminance **HardShoulder-UI-0 (Cross Section Italy)** **Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **42,500 ↗ 82,500**
Origin X = 0,000 Y = -1,500 Z = 0,000

-1,500	112,96	111,53	113,82	111,56	112,45	113,29	111,16	113,59	111,85	111,79	113,32	110,62	112,47	110,54	107,51	104,37	91,29
X/Y	42,500	45,000	47,500	50,000	52,500	55,000	57,500	60,000	62,500	65,000	67,500	70,000	72,500	75,000	77,500	80,000	82,500

Luminance **HardShoulder-UI-0 (Cross Section Italy)** **Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **85,000 ↗ 100,000**
Origin X = 0,000 Y = -1,500 Z = 0,000

-1,500	74,61	50,34	28,49	15,03	5,32	2,57	1,33	1,2
X/Y	85,000	87,500	90,000	92,500	95,000	97,500	100,000	UI%

Luminance **HardShoulder-UI-1 (Cross Section Italy)** **Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **0,000 ↗ 40,000**
Origin X = 0,000 Y = -1,500 Z = 0,000

-1,500	70,17	89,47	103,30	109,20	112,09	110,69	113,40	111,93	112,10	113,80	111,25	113,44	112,55	111,85	113,94	111,38	112,97
X/Y	0,000	2,500	5,000	7,500	10,000	12,500	15,000	17,500	20,000	22,500	25,000	27,500	30,000	32,500	35,000	37,500	40,000

Luminance **HardShoulder-UI-1 (Cross Section Italy)** **Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **42,500 ↗ 82,500**
Origin X = 0,000 Y = -1,500 Z = 0,000

-1,500	112,96	111,53	113,82	111,56	112,45	113,29	111,16	113,59	111,85	111,79	113,32	110,62	112,47	110,54	107,51	104,37	91,29
X/Y	42,500	45,000	47,500	50,000	52,500	55,000	57,500	60,000	62,500	65,000	67,500	70,000	72,500	75,000	77,500	80,000	82,500

Luminance **HardShoulder-UI-1 (Cross Section Italy)** **Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **85,000 ≤ 100,000**
Origin X = 0,000 Y = -1,500 Z = 0,000

-1,500	74,61	50,34	28,49	15,03	5,32	2,57	1,33	1,2
X/Y	85,000	87,500	90,000	92,500	95,000	97,500	100,000	UI%

Luminance **HardShoulder (Cross Section Italy)** **Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **0,000 ≤ 40,000**
Origin X = 0,000 Y = -2,500 Z = 0,000

-0,500	90,50	113,37	129,30	135,93	138,84	137,57	140,11	138,73	139,09	140,57	138,14	140,22	139,40	138,78	140,81	138,25	139,91
-1,500	70,17	89,47	103,30	109,20	112,09	110,69	113,40	111,93	112,10	113,80	111,25	113,44	112,55	111,85	113,94	111,38	112,97
-2,500	49,44	64,55	75,89	80,74	83,22	82,29	84,21	83,26	83,33	84,59	82,87	84,36	83,80	83,10	84,66	82,95	84,05
X/Y	0,000	2,500	5,000	7,500	10,000	12,500	15,000	17,500	20,000	22,500	25,000	27,500	30,000	32,500	35,000	37,500	40,000
Min/Ave	70,6	72,4	73,8	74,3	74,7	74,7	74,8	74,8	74,7	74,9	74,8	74,9	74,9	74,7	74,8	74,8	74,8
Ave	70,03	89,13	102,83	108,62	111,38	110,18	112,57	111,30	111,51	112,99	110,75	112,68	111,91	111,24	113,14	110,86	112,31

Luminance **HardShoulder (Cross Section Italy)** **Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **42,500 ≤ 82,500**
Origin X = 0,000 Y = -2,500 Z = 0,000

-0,500	139,78	138,41	140,66	138,39	139,38	140,06	138,02	140,33	138,58	138,57	139,89	137,28	138,94	136,62	132,62	127,55	110,75
-1,500	112,96	111,53	113,82	111,56	112,45	113,29	111,16	113,59	111,85	111,79	113,32	110,62	112,47	110,54	107,51	104,37	91,29
-2,500	84,12	82,86	84,59	82,99	83,66	84,37	82,77	84,38	83,23	83,16	84,31	82,48	83,69	82,42	80,17	78,28	69,50
X/Y	42,500	45,000	47,500	50,000	52,500	55,000	57,500	60,000	62,500	65,000	67,500	70,000	72,500	75,000	77,500	80,000	82,500
Min/Ave	74,9	74,7	74,8	74,8	74,8	74,9	74,8	74,8	74,8	74,8	74,9	74,9	74,9	75,0	75,1	75,7	76,8
Ave	112,29	110,94	113,02	110,98	111,83	112,58	110,65	112,77	111,22	111,17	112,50	110,13	111,70	109,86	106,77	103,40	90,52

Luminaire **HardShoulder (Cross Section Italy)** **Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **85,000 ≤ 100,000**
Origin X = 0,000 Y = -2,500 Z = 0,000

-0,500	88,47	58,32	32,62	16,66	5,96	2,87	1,47
-1,500	74,61	50,34	28,49	15,03	5,32	2,57	1,33
-2,500	57,61	40,13	23,45	12,48	4,57	2,23	1,16
X/Y	85,000	87,500	90,000	92,500	95,000	97,500	100,000
Min/Ave	78,3	80,9	83,2	84,7	86,6	87,3	87,8
Ave	73,56	49,60	28,19	14,72	5,28	2,55	1,32

Luminaire **HardShoulder (Cross Section Italy)** **Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **0,000 ≤ 40,000**
Origin X = 0,000 Y = -2,500 Z = 0,000

-0,500	90,50	113,37	129,30	135,93	138,84	137,57	140,11	138,73	139,09	140,57	138,14	140,22	139,40	138,78	140,81	138,25	139,91
-1,500	70,17	89,47	103,30	109,20	112,09	110,69	113,40	111,93	112,10	113,80	111,25	113,44	112,55	111,85	113,94	111,38	112,97
-2,500	49,44	64,55	75,89	80,74	83,22	82,29	84,21	83,26	83,33	84,59	82,87	84,36	83,80	83,10	84,66	82,95	84,05
X/Y	0,000	2,500	5,000	7,500	10,000	12,500	15,000	17,500	20,000	22,500	25,000	27,500	30,000	32,500	35,000	37,500	40,000
Min/Ave	70,6	72,4	73,8	74,3	74,7	74,7	74,8	74,8	74,7	74,9	74,8	74,9	74,9	74,7	74,8	74,8	74,8
Ave	70,03	89,13	102,83	108,62	111,38	110,18	112,57	111,30	111,51	112,99	110,75	112,68	111,91	111,24	113,14	110,86	112,31

Luminaire **HardShoulder (Cross Section Italy)** **Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **42,500 ≤ 82,500**
Origin X = 0,000 Y = -2,500 Z = 0,000

-0,500	139,78	138,41	140,66	138,39	139,38	140,06	138,02	140,33	138,58	138,57	139,89	137,28	138,94	136,62	132,62	127,55	110,75
-1,500	112,96	111,53	113,82	111,56	112,45	113,29	111,16	113,59	111,85	111,79	113,32	110,62	112,47	110,54	107,51	104,37	91,29
-2,500	84,12	82,86	84,59	82,99	83,66	84,37	82,77	84,38	83,23	83,16	84,31	82,48	83,69	82,42	80,17	78,28	69,50
X/Y	42,500	45,000	47,500	50,000	52,500	55,000	57,500	60,000	62,500	65,000	67,500	70,000	72,500	75,000	77,500	80,000	82,500
Min/Ave	74,9	74,7	74,8	74,8	74,8	74,9	74,8	74,8	74,8	74,8	74,9	74,9	74,9	75,0	75,1	75,7	76,8
Ave	112,29	110,94	113,02	110,98	111,83	112,58	110,65	112,77	111,22	111,17	112,50	110,13	111,70	109,86	106,77	103,40	90,52

Luminance **HardShoulder (Cross Section Italy)** **Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **85,000 ≤ 100,000**
Origin X = 0,000 Y = -2,500 Z = 0,000

-0,500	88,47	58,32	32,62	16,66	5,96	2,87	1,47
-1,500	74,61	50,34	28,49	15,03	5,32	2,57	1,33
-2,500	57,61	40,13	23,45	12,48	4,57	2,23	1,16
X/Y	85,000	87,500	90,000	92,500	95,000	97,500	100,000
Min/Ave	78,3	80,9	83,2	84,7	86,6	87,3	87,8
Ave	73,56	49,60	28,19	14,72	5,28	2,55	1,32

Luminance **Road-UI-0 (Cross Section Italy)** **Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **0,000 ≤ 40,000**
Origin X = 0,000 Y = 1,875 Z = 0,000

1,875	79,58	103,32	121,27	128,24	132,39	130,48	133,82	132,11	131,89	134,33	131,20	133,58	132,94	131,68	134,62	131,36	132,95
X/Y	0,000	2,500	5,000	7,500	10,000	12,500	15,000	17,500	20,000	22,500	25,000	27,500	30,000	32,500	35,000	37,500	40,000

Luminance **Road-UI-0 (Cross Section Italy)** **Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **42,500 ≤ 82,500**
Origin X = 0,000 Y = 1,875 Z = 0,000

1,875	133,52	131,35	134,61	131,53	132,26	133,92	131,05	133,96	131,94	131,58	133,91	130,56	132,48	130,76	127,08	124,39	109,58
X/Y	42,500	45,000	47,500	50,000	52,500	55,000	57,500	60,000	62,500	65,000	67,500	70,000	72,500	75,000	77,500	80,000	82,500

Luminance **Road-UI-0 (Cross Section Italy)** **Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **85,000 ≤ 100,000**
Origin X = 0,000 Y = 1,875 Z = 0,000

1,875	90,39	62,66	36,14	19,52	6,69	3,17	1,65	1,2
X/Y	85,000	87,500	90,000	92,500	95,000	97,500	100,000	UI%

Luminance **Road-UI-1 (Cross Section Italy)** **Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location =** **Luminaire Locator** **0,000 ≤ 40,000**
Origin X = 0,000 Y = 5,625 Z = 0,000

5,625	95,30	119,00	135,26	142,26	145,25	143,82	146,67	144,98	145,49	147,08	144,43	146,76	145,74	145,10	147,42	144,61	146,43
X/Y	0,000	2,500	5,000	7,500	10,000	12,500	15,000	17,500	20,000	22,500	25,000	27,500	30,000	32,500	35,000	37,500	40,000

Luminance **Road-UI-1 (Cross Section Italy)** **Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location =** **Luminaire Locator** **42,500 ≤ 82,500**
Origin X = 0,000 Y = 5,625 Z = 0,000

5,625	146,19	144,67	147,32	144,67	145,77	146,40	144,32	146,91	144,78	144,87	146,21	143,50	145,36	142,70	138,46	133,35	115,71
X/Y	42,500	45,000	47,500	50,000	52,500	55,000	57,500	60,000	62,500	65,000	67,500	70,000	72,500	75,000	77,500	80,000	82,500

Luminance **Road-UI-1 (Cross Section Italy)** **Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location =** **Luminaire Locator** **85,000 ≤ 100,000**
Origin X = 0,000 Y = 5,625 Z = 0,000

5,625	92,21	60,26	33,60	17,31	6,16	2,99	1,54	1,0
X/Y	85,000	87,500	90,000	92,500	95,000	97,500	100,000	UI%

Luminance **Road (Cross Section Italy)** **Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location =** **Luminaire Locator** **0,000 ≤ 40,000**
Origin X = 0,000 Y = 0,625 Z = 0,000

6,875	75,45	95,56	110,06	116,08	118,99	117,65	120,35	118,86	119,06	120,74	118,18	120,37	119,50	118,74	120,86	118,36	119,91
5,625	95,30	119,00	135,26	142,26	145,25	143,82	146,67	144,98	145,49	147,08	144,43	146,76	145,74	145,10	147,42	144,61	146,43
4,375	87,87	111,79	129,69	137,03	140,37	138,98	142,24	140,23	140,54	142,40	139,50	142,20	140,98	140,21	142,66	139,63	141,56
3,125	75,35	98,67	116,61	123,88	127,97	125,96	129,08	127,60	127,34	129,92	126,76	129,11	128,43	126,93	129,98	126,91	128,55
1,875	79,58	103,32	121,27	128,24	132,39	130,48	133,82	132,11	131,89	134,33	131,20	133,58	132,94	131,68	134,62	131,36	132,95
0,625	94,36	118,66	135,97	143,20	146,27	145,06	147,89	146,14	146,61	148,25	145,63	147,94	146,82	146,29	148,58	145,72	147,51
X/Y	0,000	2,500	5,000	7,500	10,000	12,500	15,000	17,500	20,000	22,500	25,000	27,500	30,000	32,500	35,000	37,500	40,000
Min/Ave	89,0	88,6	88,2	88,1	88,0	88,0	88,1	88,1	88,1	88,1	88,0	88,1	88,0	88,1	88,0	88,0	88,1
Ave	84,65	107,83	124,81	131,78	135,21	133,66	136,67	134,99	135,15	137,12	134,28	136,66	135,74	134,82	137,35	134,43	136,15

Luminance Road (Cross Section Italy) Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location = Luminaire Locator 42,500 \leq 82,500
 FollowLongitudinalAndTransversal

Origin X = 0,000 Y = 0,625 Z = 0,000

6,875	119,87	118,42	120,85	118,52	119,38	120,19	118,11	120,55	118,79	118,70	120,19	117,48	119,34	117,34	113,95	110,41	96,54
5,625	146,19	144,67	147,32	144,67	145,77	146,40	144,32	146,91	144,78	144,87	146,21	143,50	145,36	142,70	138,46	133,35	115,71
4,375	141,41	139,85	142,75	139,75	140,90	141,80	139,52	142,44	140,06	140,11	141,83	138,76	141,02	138,48	134,79	130,89	114,84
3,125	129,02	126,63	129,72	127,00	127,92	129,50	126,56	129,26	127,45	127,04	129,53	126,20	128,12	126,36	122,65	120,60	106,81
1,875	133,52	131,35	134,61	131,53	132,26	133,92	131,05	133,96	131,94	131,58	133,91	130,56	132,48	130,76	127,08	124,39	109,58
0,625	147,23	145,89	148,48	145,80	146,92	147,58	145,56	148,11	145,98	146,09	147,57	144,77	146,63	143,99	140,02	135,07	117,73
X/Y	42,500	45,000	47,500	50,000	52,500	55,000	57,500	60,000	62,500	65,000	67,500	70,000	72,500	75,000	77,500	80,000	82,500
Min/Ave	88,0	88,1	88,0	88,1	88,1	88,0	88,0	88,1	88,1	88,1	88,0	88,0	88,1	88,0	88,0	87,8	87,6
Ave	136,21	134,47	137,29	134,55	135,53	136,57	134,19	136,87	134,83	134,73	136,54	133,55	135,49	133,27	129,49	125,78	110,20

Luminance Road (Cross Section Italy) Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location = Luminaire Locator 85,000 \leq 100,000
 FollowLongitudinalAndTransversal

Origin X = 0,000 Y = 0,625 Z = 0,000

6,875	78,38	52,51	29,45	15,64	5,48	2,65	1,37
5,625	92,21	60,26	33,60	17,31	6,16	2,99	1,54
4,375	93,66	63,33	35,85	19,21	6,60	3,14	1,62
3,125	88,71	62,00	35,99	19,32	6,72	3,18	1,66
1,875	90,39	62,66	36,14	19,52	6,69	3,17	1,65
0,625	94,53	62,79	35,26	18,29	6,47	3,08	1,58
X/Y	85,000	87,500	90,000	92,500	95,000	97,500	100,000
Min/Ave	87,4	86,7	85,6	85,9	86,3	87,2	87,1
Ave	89,65	60,59	34,38	18,21	6,35	3,03	1,57

Luminance **Road (Cross Section Italy)** **Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location =** **Luminaire Locator** **0,000 ≤ 40,000**
Origin X = 0,000 Y = 0,625 Z = 0,000
FollowLongitudinalAndTransversal

6,875	75,45	95,56	110,06	116,08	118,99	117,65	120,35	118,86	119,06	120,74	118,18	120,37	119,50	118,74	120,86	118,36	119,91
5,625	95,30	119,00	135,26	142,26	145,25	143,82	146,67	144,98	145,49	147,08	144,43	146,76	145,74	145,10	147,42	144,61	146,43
4,375	87,87	111,79	129,69	137,03	140,37	138,98	142,24	140,23	140,54	142,40	139,50	142,20	140,98	140,21	142,66	139,63	141,56
3,125	75,35	98,67	116,61	123,88	127,97	125,96	129,08	127,60	127,34	129,92	126,76	129,11	128,43	126,93	129,98	126,91	128,55
1,875	79,58	103,32	121,27	128,24	132,39	130,48	133,82	132,11	131,89	134,33	131,20	133,58	132,94	131,68	134,62	131,36	132,95
0,625	94,36	118,66	135,97	143,20	146,27	145,06	147,89	146,14	146,61	148,25	145,63	147,94	146,82	146,29	148,58	145,72	147,51
X/Y	0,000	2,500	5,000	7,500	10,000	12,500	15,000	17,500	20,000	22,500	25,000	27,500	30,000	32,500	35,000	37,500	40,000
Min/Ave	89,0	88,6	88,2	88,1	88,0	88,0	88,1	88,1	88,1	88,1	88,0	88,1	88,0	88,1	88,0	88,0	88,1
Ave	84,65	107,83	124,81	131,78	135,21	133,66	136,67	134,99	135,15	137,12	134,28	136,66	135,74	134,82	137,35	134,43	136,15

Luminance **Road (Cross Section Italy)** **Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location =** **Luminaire Locator** **42,500 ≤ 82,500**
Origin X = 0,000 Y = 0,625 Z = 0,000
FollowLongitudinalAndTransversal

6,875	119,87	118,42	120,85	118,52	119,38	120,19	118,11	120,55	118,79	118,70	120,19	117,48	119,34	117,34	113,95	110,41	96,54
5,625	146,19	144,67	147,32	144,67	145,77	146,40	144,32	146,91	144,78	144,87	146,21	143,50	145,36	142,70	138,46	133,35	115,71
4,375	141,41	139,85	142,75	139,75	140,90	141,80	139,52	142,44	140,06	140,11	141,83	138,76	141,02	138,48	134,79	130,89	114,84
3,125	129,02	126,63	129,72	127,00	127,92	129,50	126,56	129,26	127,45	127,04	129,53	126,20	128,12	126,36	122,65	120,60	106,81
1,875	133,52	131,35	134,61	131,53	132,26	133,92	131,05	133,96	131,94	131,58	133,91	130,56	132,48	130,76	127,08	124,39	109,58
0,625	147,23	145,89	148,48	145,80	146,92	147,58	145,56	148,11	145,98	146,09	147,57	144,77	146,63	143,99	140,02	135,07	117,73
X/Y	42,500	45,000	47,500	50,000	52,500	55,000	57,500	60,000	62,500	65,000	67,500	70,000	72,500	75,000	77,500	80,000	82,500
Min/Ave	88,0	88,1	88,0	88,1	88,1	88,0	88,0	88,1	88,1	88,1	88,0	88,0	88,1	88,0	88,0	87,8	87,6
Ave	136,21	134,47	137,29	134,55	135,53	136,57	134,19	136,87	134,83	134,73	136,54	133,55	135,49	133,27	129,49	125,78	110,20

Luminaire **Road (Cross Section Italy)** **Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location =** **Luminaire Locator** **85,000 ↗ 100,000**
FollowLongitudinalAndTransversal

Origin X = 0,000 Y = 0,625 Z = 0,000

6,875	78,38	52,51	29,45	15,64	5,48	2,65	1,37
5,625	92,21	60,26	33,60	17,31	6,16	2,99	1,54
4,375	93,66	63,33	35,85	19,21	6,60	3,14	1,62
3,125	88,71	62,00	35,99	19,32	6,72	3,18	1,66
1,875	90,39	62,66	36,14	19,52	6,69	3,17	1,65
0,625	94,53	62,79	35,26	18,29	6,47	3,08	1,58
X/Y	85,000	87,500	90,000	92,500	95,000	97,500	100,000
Min/Ave	87,4	86,7	85,6	85,9	86,3	87,2	87,1
Ave	89,65	60,59	34,38	18,21	6,35	3,03	1,57

Luminaire (Lambert) **Wall Left (Cross Section Italy)** **Luminaire Locator** **0,000 ↗ 40,000**
Origin X = 0,000 Y = 9,250 Z = 1,000

0,700	39,21	77,96	117,87	136,56	144,01	142,25	147,13	144,12	144,41	147,60	142,96	146,64	145,24	144,30	148,55	142,77	145,70
0,000	46,63	79,91	112,51	127,94	135,23	134,06	138,39	136,06	136,12	139,10	135,07	138,15	137,17	136,08	139,86	135,00	137,36
X/Y'	0,000	2,500	5,000	7,500	10,000	12,500	15,000	17,500	20,000	22,500	25,000	27,500	30,000	32,500	35,000	37,500	40,000
Min/Ave	91,4	98,8	97,7	96,7	96,9	97,0	96,9	97,1	97,0	97,0	97,2	97,0	97,1	97,1	97,0	97,2	97,1
Ave	42,92	78,93	115,19	132,25	139,62	138,16	142,76	140,09	140,27	143,35	139,02	142,39	141,21	140,19	144,20	138,89	141,53

Luminaire (Lambert) **Wall Left (Cross Section Italy)** **Luminaire Locator** **42,500 ↗ 82,500**
Origin X = 0,000 Y = 9,250 Z = 1,000

0,700	146,20	144,20	148,44	142,49	144,71	147,23	144,06	147,55	143,44	143,96	148,20	143,80	146,56	144,23	143,38	148,16	140,58
0,000	138,01	135,97	139,73	134,85	136,47	138,84	135,87	138,95	135,66	135,82	139,58	135,69	138,03	136,24	134,96	138,35	129,96
X/Y'	42,500	45,000	47,500	50,000	52,500	55,000	57,500	60,000	62,500	65,000	67,500	70,000	72,500	75,000	77,500	80,000	82,500
Min/Ave	97,1	97,1	97,0	97,2	97,1	97,1	97,1	97,0	97,2	97,1	97,0	97,1	97,0	97,2	97,0	96,6	96,1
Ave	142,10	140,08	144,08	138,67	140,59	143,04	139,96	143,25	139,55	139,89	143,89	139,75	142,30	140,23	139,17	143,25	135,27

Luminance
(Lambert)

Wall Left (Cross Section Italy)

Luminaire Locator

85,000 ↻ 100,000

Origin X = 0,000 Y = 9,250 Z = 1,000

0,700	135,61	116,46	77,99	44,31	14,16	5,27	2,21	1,5
0,000	121,73	99,72	66,61	38,49	13,70	5,74	2,49	1,8
X/Y'	85,000	87,500	90,000	92,500	95,000	97,500	100,000	UI%
Min/Ave	94,6	92,3	92,1	93,0	98,4	95,6	94,0	
Ave	128,67	108,09	72,30	41,40	13,93	5,50	2,35	

Calcolo TI

Configurazione apparecchi: Luminaire Locator

Nome	Direzione :	Indice	Position	TI
TI Observer 0	0	10	25; 1,875; 1,5	1,99
TI Observer 1	0	10	25; 5,625; 1,5	1,92

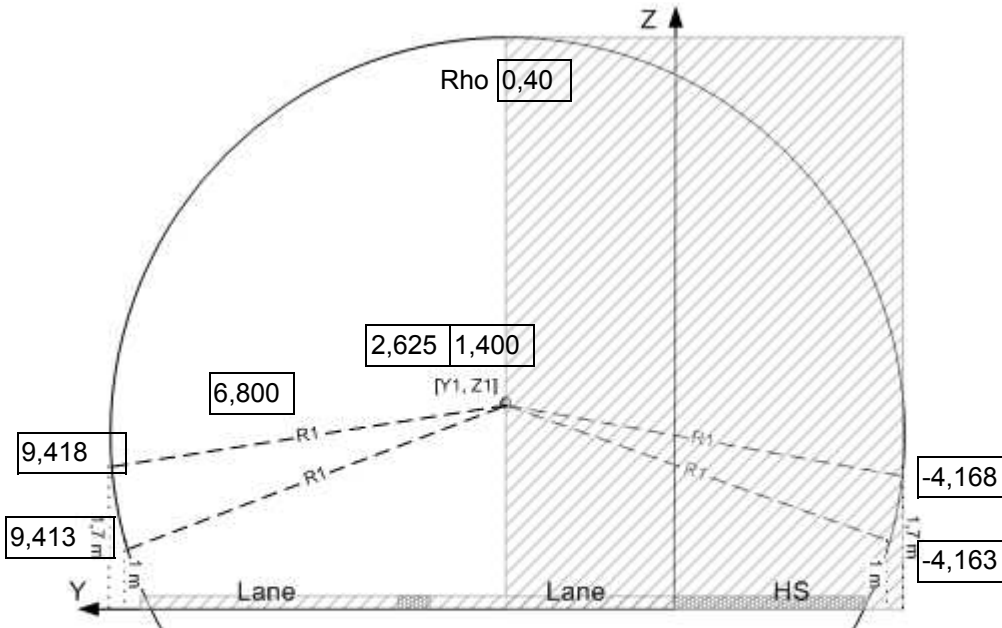
Progetto User :

Localizzazione

Nome file

Descrizione

Cross Section



Dettagli carreggiata

Guida : Direzi

Corsie: Larghez

RTable : Q0 :

Spartitraffico Banchina invariazioni
ada

Dettagli griglia

Punto

Osservato

Punti per corsia :

Punti :

Passo :

TI

Posizione X:

Età :

Calcolo

Carre IL LU TI HS : IL LU

Parete ULL

Interpolazion

Apparecchio - Base

TI	Origine			Count		Apparecchio					st
Fila	X	Y	Z	Count	Interdistanza	Apparecchio	Flux	Azimut	Inclinazione	Rotazione	abl
0	-25,200	0,000	6,000	139	12,600	5102 32 51W 500mA	7,118	0,0	0,0	0,0	<input checked="" type="checkbox"/>
0	-25,200	5,625	6,000	139	12,600	5102 32 51W 500mA	7,118	0,0	0,0	0,0	<input checked="" type="checkbox"/>

Superfici

	Materiale	Qo	Rho	Manto stradale
Wall Right	Custom		0,400	
HardShoulder-UI-0		0,056		C2007.TYP
HardShoulder-UI-1		0,056		C2007.TYP
HardShoulder		0,056		C2007.TYP
Road-UI-0		0,056		C2007.TYP
Road-UI-1		0,056		C2007.TYP
Road		0,056		C2007.TYP
Wall Left	Custom		0,400	

Griglie (Rectangular)

	Lunghezza [m]	Larghezza [m]	Punti di calcolo				Osservatore
			Lunghezza totale		Larghezza totale		
			Passo [m]	Numero	Passo [m]	Numero	
HardShoulder	22,680	2,000	2,520	10	1,000	3	Fisso
Road	22,680	6,250	2,520	10	1,250	6	Fisso

Griglie (Curve)

	Lunghezza [m]	Larghezza [m]	Punti di calcolo				Osservatore
			Lunghezza totale		Larghezza totale		
			Passo [m]	Numero	Passo [m]	Numero	
Wall Right	22,680	0,000	2,520	10	0,000	0	
Wall Left	22,680	0,000	2,520	10	0,000	0	

Osservatore

Nome	Calcolo	##Punti	Origine	Direzione :	TI
					Griglia
TI Observer 0	TI	10	0;1,875;1,5	0°	Road
TI Observer 1	TI	10	0;5,625;1,5	0°	Road

Configurazione apparecchi: Luminaire Locator

Nome	5102 32 51W	Matrice	33631S		
Tipo		Riflettore		Chiusura	
Sorgente		Regolazioni			
Potenza di lampada [W]		Flusso	7,1	Fattore di Manutenzione	0,80
Potenza apparecchio [W]	51,0	Numero	278	Potenza totale [W]	14178

Potenza totale installata [W] 14178

Posizione apparecchi (singola)

	X [m]	Y [m]	Z [m]	Flusso reale [%]	Az. [°]	Incl. [°]	Rot. [°]	ON
5102 32 51W 500mA	-25,200	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	-25,200	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	-12,600	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	-12,600	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	0,000	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	0,000	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	12,600	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	12,600	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	25,200	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	25,200	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	37,800	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	37,800	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	50,400	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	50,400	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	63,000	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	63,000	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	75,600	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	75,600	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	88,200	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	88,200	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	100,800	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	100,800	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	113,400	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	113,400	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	126,000	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	126,000	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	138,600	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	138,600	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	151,200	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	151,200	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	163,800	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	163,800	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	176,400	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	176,400	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	189,000	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	189,000	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	201,600	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	201,600	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>

Posizione apparecchi (singola)

	X [m]	Y [m]	Z [m]	Flusso reale [%]	Az. [°]	Incl. [°]	Rot. [°]	ON
5102 32 51W 500mA	214,200	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	214,200	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	226,800	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	226,800	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	239,400	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	239,400	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	252,000	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	252,000	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	264,600	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	264,600	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	277,200	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	277,200	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	289,800	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	289,800	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	302,400	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	302,400	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	315,000	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	315,000	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	327,600	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	327,600	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	340,200	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	340,200	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	352,800	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	352,800	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	365,400	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	365,400	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	378,000	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	378,000	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	390,600	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	390,600	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	403,200	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	403,200	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	415,800	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	415,800	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	428,400	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	428,400	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	441,000	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	441,000	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	453,600	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	453,600	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	466,200	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	466,200	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	478,800	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	478,800	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	491,400	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	491,400	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	504,000	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	504,000	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>

Posizione apparecchi (singola)

	X [m]	Y [m]	Z [m]	Flusso reale [%]	Az. [°]	Incl. [°]	Rot. [°]	ON
5102 32 51W 500mA	516,600	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	516,600	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	529,200	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	529,200	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	541,800	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	541,800	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	554,400	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	554,400	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	567,000	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	567,000	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	579,600	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	579,600	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	592,200	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	592,200	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	604,800	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	604,800	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	617,400	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	617,400	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	630,000	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	630,000	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	642,600	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	642,600	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	655,200	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	655,200	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	667,800	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	667,800	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	680,400	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	680,400	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	693,000	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	693,000	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	705,600	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	705,600	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	718,200	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	718,200	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	730,800	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	730,800	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	743,400	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	743,400	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	756,000	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	756,000	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	768,600	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	768,600	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	781,200	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	781,200	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	793,800	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	793,800	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	806,400	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	806,400	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>

Posizione apparecchi (singola)

	X [m]	Y [m]	Z [m]	Flusso reale [%]	Az. [°]	Incl. [°]	Rot. [°]	ON
5102 32 51W 500mA	819,000	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	819,000	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	831,600	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	831,600	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	844,200	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	844,200	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	856,800	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	856,800	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	869,400	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	869,400	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	882,000	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	882,000	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	894,600	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	894,600	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	907,200	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	907,200	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	919,800	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	919,800	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	932,400	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	932,400	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	945,000	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	945,000	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	957,600	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	957,600	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	970,200	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	970,200	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	982,800	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	982,800	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	995,400	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	995,400	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1008,000	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1008,000	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1020,600	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1020,600	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1033,200	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1033,200	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1045,800	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1045,800	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1058,400	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1058,400	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1071,000	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1071,000	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1083,600	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1083,600	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1096,200	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1096,200	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1108,800	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1108,800	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>

Posizione apparecchi (singola)

	X [m]	Y [m]	Z [m]	Flusso reale [%]	Az. [°]	Incl. [°]	Rot. [°]	ON
5102 32 51W 500mA	1121,400	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1121,400	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1134,000	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1134,000	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1146,600	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1146,600	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1159,200	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1159,200	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1171,800	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1171,800	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1184,400	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1184,400	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1197,000	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1197,000	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1209,600	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1209,600	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1222,200	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1222,200	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1234,800	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1234,800	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1247,400	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1247,400	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1260,000	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1260,000	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1272,600	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1272,600	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1285,200	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1285,200	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1297,800	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1297,800	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1310,400	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1310,400	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1323,000	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1323,000	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1335,600	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1335,600	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1348,200	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1348,200	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1360,800	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1360,800	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1373,400	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1373,400	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1386,000	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1386,000	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1398,600	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1398,600	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1411,200	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1411,200	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>

Posizione apparecchi (singola)

	X [m]	Y [m]	Z [m]	Flusso reale [%]	Az. [°]	Incl. [°]	Rot. [°]	ON
5102 32 51W 500mA	1423,800	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1423,800	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1436,400	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1436,400	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1449,000	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1449,000	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1461,600	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1461,600	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1474,200	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1474,200	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1486,800	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1486,800	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1499,400	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1499,400	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1512,000	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1512,000	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1524,600	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1524,600	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1537,200	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1537,200	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1549,800	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1549,800	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1562,400	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1562,400	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1575,000	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1575,000	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1587,600	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1587,600	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1600,200	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1600,200	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1612,800	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1612,800	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1625,400	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1625,400	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1638,000	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1638,000	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1650,600	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1650,600	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1663,200	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1663,200	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1675,800	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1675,800	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1688,400	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1688,400	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1701,000	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1701,000	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1713,600	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1713,600	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>

Riepilogo configurazione Luminaire Locator

Wall Right (Cross Section Italy)

Illuminamento				
Min	Max	Med	Min/Max	Min/Med
12,8	20,0	16,3	64,0	78,4
Luminanza (Lambert)				
Min	Max	Med	Min/Max	Min/Med
1,63	2,54	2,08	64,0	78,4

HardShoulder-UI-0 (Cross Section Italy)

Illuminamento				
Min	Max	Med	Min/Max	Min/Med
39,0	50,3	45,1	77,5	86,4

Luminanza (RTable)						
Y Observer	Min	Max	Med	Min/Max	Min/Med	UL
Obs Y = 1,875	2,29	2,38	2,33	96,0	98,1	96,0

HardShoulder-UI-1 (Cross Section Italy)

Illuminamento				
Min	Max	Med	Min/Max	Min/Med
39,0	50,3	45,1	77,5	86,4

Luminanza (RTable)						
Y Observer	Min	Max	Med	Min/Max	Min/Med	UL
Obs Y = 5,625	2,01	2,15	2,09	93,9	96,6	93,9

HardShoulder (Cross Section Italy)

Illuminamento				
Min	Max	Med	Min/Max	Min/Med
31,4	60,1	44,7	52,3	70,2

Luminanza (RTable)					
Y Observer	Min	Max	Med	Min/Max	Min/Med
Obs Y = 1,875	1,57	3,33	2,39	47,2	65,9
Obs Y = 5,625	1,45	2,95	2,15	49,1	67,5

Road-UI-0 (Cross Section Italy)

Illuminamento				
Min	Max	Med	Min/Max	Min/Med
51,7	66,4	59,6	77,7	86,7

Luminanza (RTable)						
Y Observer	Min	Max	Med	Min/Max	Min/Med	UL
Obs Y = 1,875	3,13	3,21	3,18	97,5	98,5	97,5

Road-UI-1 (Cross Section Italy)

Illuminamento				
Min	Max	Med	Min/Max	Min/Med
48,8	63,9	56,8	76,4	85,9

Luminanza (RTable)						
Y Observer	Min	Max	Med	Min/Max	Min/Med	UL
Obs Y = 5,625	3,60	3,83	3,71	93,8	96,9	93,8

Road (Cross Section Italy)

Illuminamento				
Min	Max	Med	Min/Max	Min/Med
40,9	66,9	56,9	61,2	71,9

Luminanza (RTable)						
Y Observer	Min	Max	Med	Min/Max	Min/Med	UL
Obs Y = 1,875	2,33	3,81	3,24	61,2	71,9	97,5
Obs Y = 5,625	2,66	3,83	3,31	69,4	80,5	93,8

Wall Left (Cross Section Italy)

Illuminamento				
Min	Max	Med	Min/Max	Min/Med
14,0	21,9	18,1	64,2	77,4

Luminanza (Lambert)				
Min	Max	Med	Min/Max	Min/Med
1,79	2,79	2,31	64,2	77,4

Luminaire Locator **1,260 ↻ 23,940**
Luminescence (Lambert) **Wall Right (Cross Section Italy)**
Origin X = 1,260 Y = 0,000 Z = 0,000

1,700	2,12	1,76	1,63	1,76	2,12	2,12	1,76	1,63	1,76	2,12	76,6
1,000	2,54	2,15	1,99	2,15	2,54	2,54	2,15	1,99	2,15	2,54	78,1
X/Y	1,260	3,780	6,300	8,820	11,340	13,860	16,380	18,900	21,420	23,940	UI%
Min/Ave	91,0	90,1	90,1	90,1	91,0	91,0	90,1	90,1	90,1	91,0	
Ave	2,33	1,95	1,81	1,95	2,33	2,33	1,95	1,81	1,95	2,33	

Luminaire Locator **1,260 ↻ 23,940**
Luminescence **HardShoulder-UI-0 (Cross Section Italy)** **Observer dX = -60,000 Y = 1,875 dZ = 1,500 Location = Fixed**
Origin X = 1,260 Y = -1,500 Z = 0,000

-1,500	2,29	2,33	2,31	2,30	2,31	2,33	2,38	2,36	2,34	2,35	96,0
X/Y	1,260	3,780	6,300	8,820	11,340	13,860	16,380	18,900	21,420	23,940	UI%

Luminaire Locator **1,260 ↻ 23,940**
Luminescence **HardShoulder-UI-1 (Cross Section Italy)** **Observer dX = -60,000 Y = 5,625 dZ = 1,500 Location = Fixed**
Origin X = 1,260 Y = -1,500 Z = 0,000

-1,500	2,01	2,05	2,04	2,07	2,09	2,10	2,12	2,11	2,13	2,15	93,9
X/Y	1,260	3,780	6,300	8,820	11,340	13,860	16,380	18,900	21,420	23,940	UI%

Luminaire Locator **1,260 ↻ 23,940**
Luminescence **HardShoulder (Cross Section Italy)** **Observer dX = -60,000 Y = 1,875 dZ = 1,500 Location = Fixed**
Origin X = 1,260 Y = -2,500 Z = 0,000

-0,500	3,21	3,28	3,20	3,11	3,18	3,26	3,33	3,24	3,15	3,22	
-1,500	2,29	2,33	2,31	2,30	2,31	2,33	2,38	2,36	2,34	2,35	
-2,500	1,60	1,58	1,57	1,61	1,64	1,63	1,61	1,60	1,64	1,67	
X/Y	1,260	3,780	6,300	8,820	11,340	13,860	16,380	18,900	21,420	23,940	
Min/Ave	67,6	65,8	66,7	68,8	69,0	67,9	65,9	66,7	69,0	69,3	
Ave	2,36	2,40	2,36	2,34	2,38	2,41	2,44	2,40	2,38	2,41	

Luminance **HardShoulder (Cross Section Italy)** **Observer dX = -60,000 Y = 5,625 dZ = 1,500 Location = Fixed** **Luminaire Locator** **1,260 ↗ 23,940**
Origin X = 1,260 Y = -2,500 Z = 0,000

-0,500	2,77	2,86	2,86	2,77	2,81	2,87	2,95	2,93	2,84	2,88
-1,500	2,01	2,05	2,04	2,07	2,09	2,10	2,12	2,11	2,13	2,15
-2,500	1,47	1,46	1,45	1,47	1,53	1,52	1,50	1,49	1,51	1,55
X/Y	1,260	3,780	6,300	8,820	11,340	13,860	16,380	18,900	21,420	23,940
Min/Ave	70,5	68,7	68,4	70,0	71,2	70,1	68,4	68,5	70,0	70,7
Ave	2,08	2,12	2,12	2,11	2,14	2,16	2,19	2,18	2,16	2,19

Luminance **Road-UI-0 (Cross Section Italy)** **Observer dX = -60,000 Y = 1,875 dZ = 1,500 Location = Fixed** **Luminaire Locator** **1,260 ↗ 23,940**
Origin X = 1,260 Y = 1,875 Z = 0,000

1,875	3,21	3,19	3,13	3,17	3,21	3,21	3,19	3,13	3,17	3,21	97,5
X/Y	1,260	3,780	6,300	8,820	11,340	13,860	16,380	18,900	21,420	23,940	UI%

Luminance **Road-UI-1 (Cross Section Italy)** **Observer dX = -60,000 Y = 5,625 dZ = 1,500 Location = Fixed** **Luminaire Locator** **1,260 ↗ 23,940**
Origin X = 1,260 Y = 5,625 Z = 0,000

5,625	3,78	3,83	3,69	3,60	3,66	3,78	3,83	3,69	3,60	3,66	93,8
X/Y	1,260	3,780	6,300	8,820	11,340	13,860	16,380	18,900	21,420	23,940	UI%

Luminance **Road (Cross Section Italy)** **Observer dX = -60,000 Y = 1,875 dZ = 1,500 Location = Fixed** **Luminaire Locator** **1,260 ↻ 23,940**

Origin X = 1,260 Y = 0,625 Z = 0,000

6,875	2,33	2,38	2,38	2,36	2,37	2,40	2,45	2,45	2,41	2,43
5,625	3,40	3,50	3,41	3,30	3,37	3,48	3,57	3,48	3,36	3,43
4,375	3,72	3,70	3,62	3,56	3,61	3,69	3,67	3,60	3,52	3,59
3,125	3,12	3,09	3,03	3,09	3,13	3,11	3,09	3,02	3,08	3,12
1,875	3,21	3,19	3,13	3,17	3,21	3,21	3,19	3,13	3,17	3,21
0,625	3,81	3,80	3,68	3,61	3,71	3,79	3,79	3,68	3,60	3,71
X/Y	1,260	3,780	6,300	8,820	11,340	13,860	16,380	18,900	21,420	23,940
Min/Ave	71,4	72,7	74,2	74,1	73,3	73,0	74,6	75,8	75,6	74,8
Ave	3,26	3,28	3,21	3,18	3,24	3,28	3,29	3,23	3,19	3,25

Luminance **Road (Cross Section Italy)** **Observer dX = -60,000 Y = 5,625 dZ = 1,500 Location = Fixed** **Luminaire Locator** **1,260 ↻ 23,940**

Origin X = 1,260 Y = 0,625 Z = 0,000

6,875	2,72	2,74	2,72	2,66	2,70	2,75	2,77	2,74	2,68	2,72
5,625	3,78	3,83	3,69	3,60	3,66	3,78	3,83	3,69	3,60	3,66
4,375	3,34	3,33	3,29	3,26	3,34	3,36	3,35	3,31	3,27	3,35
3,125	3,08	3,07	2,99	3,04	3,09	3,07	3,07	2,99	3,02	3,08
1,875	3,57	3,52	3,44	3,42	3,48	3,51	3,47	3,39	3,37	3,44
0,625	3,57	3,60	3,52	3,47	3,57	3,65	3,67	3,60	3,51	3,62
X/Y	1,260	3,780	6,300	8,820	11,340	13,860	16,380	18,900	21,420	23,940
Min/Ave	81,3	82,0	83,0	82,1	81,6	81,9	82,4	83,5	82,7	82,1
Ave	3,34	3,35	3,28	3,24	3,31	3,35	3,36	3,29	3,24	3,31

Luminance (Lambert) **Wall Left (Cross Section Italy)** **Luminaire Locator** **1,260 ↻ 23,940**

Origin X = 1,260 Y = 0,000 Z = 0,000

1,700	2,47	1,99	1,79	1,99	2,47	2,47	1,99	1,79	1,99	2,47	72,4
1,000	2,78	2,34	2,14	2,34	2,78	2,79	2,34	2,14	2,34	2,79	76,9
X/Y	1,260	3,780	6,300	8,820	11,340	13,860	16,380	18,900	21,420	23,940	UI%
Min/Ave	94,0	92,0	91,0	92,0	94,0	94,0	92,0	91,0	92,0	94,0	
Ave	2,63	2,16	1,96	2,17	2,63	2,63	2,17	1,97	2,17	2,63	

Calcolo TI

Configurazione

apparecchi:

Luminaire Locator

Nome	Direzione :	Indice	Position	TI
TI Observer 0	0	0	0; 1,875; 1,5	9,87
TI Observer 1	0	0	0; 5,625; 1,5	9,46

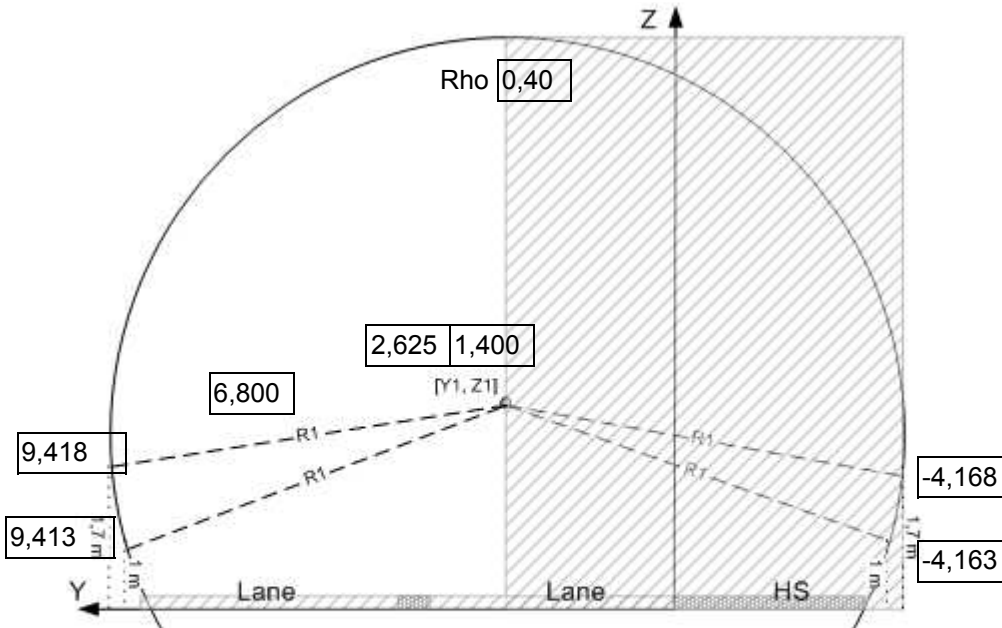
Progetto User :

Localizzazione

Nome file

Descrizione

Cross Section



Dettagli carreggiata

Guida : Direzi

Corsie: Larghez

RTable : Q0 :

Spartitraffico Banchina invariazioni
ada

Dettagli griglia

Punto

Osservato

Punti per corsia :

Punti :

Passo :

TI

Posizione X:

Età :

Calcolo

Carre IL LU TI HS : IL LU

Parete ULL

Interpolazion

Apparecchio - Base

TI	Origine			Count		Apparecchio					st
Fila	X	Y	Z	Count	Interdistanza	Apparecchio	Flux	Azimut	Inclinazione	Rotazione	abl
0	5,600	0,000	6,000	139	12,600	5102 32 51W 500mA	7,118	0,0	0,0	0,0	<input checked="" type="checkbox"/>
0	5,600	5,625	6,000	139	12,600	5102 32 51W 500mA	7,118	0,0	0,0	0,0	<input checked="" type="checkbox"/>

Apparecchio - Th1

TI	Origine			Count		Apparecchio					st
Row	X	Y	Z	Count	Interdistanza	Apparecchio	Flux	Azimut	Inclinazione	Rotazione	abl
	6,500	0,000	6,000	56	1,800	OMNISTAR XPL HD 2261 700mA	47,408	270,0	0,0	0,0	<input checked="" type="checkbox"/>
	6,500	5,600	6,000	56	1,800	OMNISTAR XPL HD 2261 700mA	47,408	270,0	0,0	0,0	<input checked="" type="checkbox"/>
	107,450	0,000	6,000	12	2,100	OMNISTAR XPL HD 2261 700mA	47,408	270,0	0,0	0,0	<input checked="" type="checkbox"/>
	107,450	5,600	6,000	12	2,100	OMNISTAR XPL HD 2261 700mA	47,408	270,0	0,0	0,0	<input checked="" type="checkbox"/>
	132,860	0,000	6,000	10	2,520	OMNISTAR XPL HD 2261 700mA	47,408	270,0	0,0	0,0	<input checked="" type="checkbox"/>
	132,860	5,600	6,000	10	2,520	OMNISTAR XPL HD 2261 700mA	47,408	270,0	0,0	0,0	<input checked="" type="checkbox"/>
	158,375	0,000	6,000	4	3,150	OMNISTAR XPL HD 2261 700mA	47,408	270,0	0,0	0,0	<input checked="" type="checkbox"/>
	158,375	5,600	6,000	4	3,150	OMNISTAR XPL HD 2261 700mA	47,408	270,0	0,0	0,0	<input checked="" type="checkbox"/>
	171,500	0,000	6,000	6	4,200	OMNISTAR XPL HD 2261 700mA	47,408	270,0	0,0	0,0	<input checked="" type="checkbox"/>
	171,500	5,600	6,000	6	4,200	OMNISTAR XPL HD 2261 700mA	47,408	270,0	0,0	0,0	<input checked="" type="checkbox"/>
	196,700	0,000	6,000	6	4,200	OMNISTAR 72 XPL HD 2261 1A	30,840	270,0	0,0	0,0	<input checked="" type="checkbox"/>
	196,700	5,600	6,000	6	4,200	OMNISTAR 72 XPL HD 2261 1A	30,840	270,0	0,0	0,0	<input checked="" type="checkbox"/>
	221,900	0,000	6,000	3	4,200	5102 96 213W 700mA	27,091	0,0	0,0	0,0	<input checked="" type="checkbox"/>
	221,900	5,600	6,000	3	4,200	5102 96 213W 700mA	27,091	0,0	0,0	0,0	<input checked="" type="checkbox"/>
	235,550	0,000	6,000	6	6,300	5102 96 213W 700mA	27,091	0,0	0,0	0,0	<input checked="" type="checkbox"/>
	235,550	5,600	6,000	6	6,300	5102 96 213W 700mA	27,091	0,0	0,0	0,0	<input checked="" type="checkbox"/>
	276,500	0,000	6,000	6	12,600	5102 96 213W 700mA	27,091	0,0	0,0	0,0	<input checked="" type="checkbox"/>
	276,500	5,600	6,000	6	12,600	5102 96 213W 700mA	27,091	0,0	0,0	0,0	<input checked="" type="checkbox"/>
	352,100	0,000	6,000	6	12,600	5102 64 139W 700mA	18,610	0,0	0,0	0,0	<input checked="" type="checkbox"/>
	352,100	5,600	6,000	6	12,600	5102 64 139W 700mA	18,610	0,0	0,0	0,0	<input checked="" type="checkbox"/>
	427,700	0,000	6,000	8	12,600	5102 32 51W 500mA	7,118	0,0	0,0	0,0	<input checked="" type="checkbox"/>
	427,700	5,600	6,000	8	12,600	5102 32 51W 500mA	7,118	0,0	0,0	0,0	<input checked="" type="checkbox"/>
	528,500	0,000	6,000	7	12,600	5102 16 19W 500mA	2,656	0,0	0,0	0,0	<input checked="" type="checkbox"/>

528,500	5,600	6,000	7	12,600	5102 16 19W 500mA	2,656	0,0	0,0	0,0	<input checked="" type="checkbox"/>
---------	-------	-------	---	--------	----------------------	-------	-----	-----	-----	-------------------------------------

Superfici

	Materiale	Qo	Rho	Manto stradale
Wall Right	Custom		0,400	
HardShoulder-UI-0		0,056		C2007.TYP
HardShoulder-UI-1		0,056		C2007.TYP
HardShoulder		0,056		C2007.TYP
Road-UI-0		0,056		C2007.TYP
Road-UI-1		0,056		C2007.TYP
Road		0,056		C2007.TYP
Wall Left	Custom		0,400	

Griglie (Rectangular)

	Lunghezza a [m]	Larghezza a [m]	Punti di calcolo				Osservatore
			Lunghezza totale		Larghezza totale		
			Passo [m]	Numero	Passo [m]	Numero	
HardShoulder	600,000	2,000	2,500	241	1,000	3	Mobile XY
Road	600,000	6,250	2,500	241	1,250	6	Mobile XY

Griglie (Curve)

	Lunghezza a [m]	Larghezza a [m]	Punti di calcolo				Osservatore
			Lunghezza totale		Larghezza totale		
			Passo [m]	Numero	Passo [m]	Numero	
Wall Right	600,000	0,000	2,500	241	0,000	0	
Wall Left	600,000	0,000	2,500	241	0,000	0	

Osservatore

Nome	Calcolo	##Punti	Origine	Direzione :	TI
					Griglia
TI Observer 0	TI	241	0;1,875;1,5	0°	Road
TI Observer 1	TI	241	0;5,625;1,5	0°	Road

Configurazione apparecchi: Luminaire Locator

Nome	5102 16 19W	Matrice	33631S		
Tipo		Riflettore		Chiusura	
Sorgente		Regolazioni			
Potenza di lampada [W]		Flusso	2,7	Fattore di Manutenzione	0,80
Potenza apparecchi [W]	19,0	Numero	14	Potenza totale [W]	266

Nome	5102 32 51W	Matrice	33631S		
Tipo		Riflettore		Chiusura	
Sorgente		Regolazioni			
Flusso lampada [W]		Flusso	7,1	Fattore di Manutenzione	0,80
Flusso annuncio [W]	51,0	Numero	294	Potenza totale [W]	14994

Nome	5102 64 139W	Matrice	33631S		
Tipo		Riflettore		Chiusura	
Sorgente		Regolazioni			
Flusso lampada [W]		Flusso	18,6	Fattore di Manutenzione	0,80
Flusso annuncio [W]	139,0	Numero	12	Potenza totale [W]	1668

Nome	5102 96 213W	Matrice	33631S		
Tipo		Riflettore		Chiusura	
Sorgente		Regolazioni			
Flusso lampada [W]		Flusso	27,1	Fattore di Manutenzione	0,80
Flusso annuncio [W]	213,0	Numero	30	Potenza totale [W]	6390

Nome	OMNISTAR 72 XPL	Matrice	352702		
Tipo		Riflettore		Chiusura	
Sorgente		Regolazioni			
Flusso lampada [W]		Flusso	30,8	Fattore di Manutenzione	0,80
Flusso annuncio [W]	227,0	Numero	12	Potenza totale [W]	2724

Nome	OMNISTAR XPL	Matrice	352702		
Tipo		Riflettore		Chiusura	
Sorgente		Regolazioni			
Flusso lampada [W]		Flusso	47,4	Fattore di Manutenzione	0,80
Flusso annuncio [W]	307,0	Numero	176	Potenza totale [W]	54032

Potenza totale installata [W] **80074**

Posizione apparecchi (singola)

	X [m]	Y [m]	Z [m]	Flusso reale [%]	Az. [°]	Incl. [°]	Rot. [°]	ON
5102 32 51W 500mA	5,600	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	5,600	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	6,500	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	6,500	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	8,300	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	8,300	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	10,100	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	10,100	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	11,900	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	11,900	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	13,700	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	13,700	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	15,500	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	15,500	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	17,300	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>

Posizione apparecchi (singola)

	X [m]	Y [m]	Z [m]	Flusso reale [%]	Az. [°]	Incl. [°]	Rot. [°]	ON
OMNISTAR XPL HD 2261	17,300	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	18,200	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	18,200	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	19,100	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	19,100	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	20,900	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	20,900	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	22,700	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	22,700	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	24,500	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	24,500	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	26,300	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	26,300	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	28,100	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	28,100	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	29,900	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	29,900	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	30,800	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	30,800	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	31,700	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	31,700	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	33,500	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	33,500	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	35,300	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	35,300	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	37,100	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	37,100	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	38,900	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	38,900	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	40,700	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	40,700	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	42,500	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	42,500	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	43,400	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	43,400	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	44,300	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	44,300	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	46,100	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	46,100	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	47,900	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	47,900	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	49,700	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	49,700	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	51,500	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	51,500	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	53,300	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	53,300	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	55,100	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>

Posizione apparecchi (singola)

	X [m]	Y [m]	Z [m]	Flusso reale [%]	Az. [°]	Incl. [°]	Rot. [°]	ON
OMNISTAR XPL HD 2261	55,100	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	56,000	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	56,000	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	56,900	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	56,900	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	58,700	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	58,700	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	60,500	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	60,500	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	62,300	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	62,300	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	64,100	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	64,100	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	65,900	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	65,900	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	67,700	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	67,700	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	68,600	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	68,600	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	69,500	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	69,500	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	71,300	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	71,300	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	73,100	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	73,100	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	74,900	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	74,900	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	76,700	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	76,700	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	78,500	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	78,500	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	80,300	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	80,300	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	81,200	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	81,200	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	82,100	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	82,100	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	83,900	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	83,900	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	85,700	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	85,700	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	87,500	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	87,500	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	89,300	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	89,300	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	91,100	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	91,100	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	92,900	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>

Posizione apparecchi (singola)

	X [m]	Y [m]	Z [m]	Flusso reale [%]	Az. [°]	Incl. [°]	Rot. [°]	ON
OMNISTAR XPL HD 2261	92,900	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	93,800	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	93,800	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	94,700	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	94,700	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	96,500	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	96,500	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	98,300	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	98,300	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	100,100	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	100,100	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	101,900	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	101,900	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	103,700	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	103,700	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	105,500	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	105,500	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	106,400	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	106,400	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	107,450	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	107,450	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	109,550	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	109,550	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	111,650	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	111,650	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	113,750	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	113,750	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	115,850	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	115,850	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	117,950	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	117,950	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	119,000	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	119,000	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	120,050	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	120,050	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	122,150	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	122,150	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	124,250	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	124,250	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	126,350	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	126,350	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	128,450	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	128,450	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	130,550	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	130,550	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	131,600	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	131,600	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	132,860	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>

Posizione apparecchi (singola)

	X [m]	Y [m]	Z [m]	Flusso reale [%]	Az. [°]	Incl. [°]	Rot. [°]	ON
OMNISTAR XPL HD 2261	132,860	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	135,380	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	135,380	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	137,900	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	137,900	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	140,420	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	140,420	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	142,940	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	142,940	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	144,200	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	144,200	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	145,460	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	145,460	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	147,980	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	147,980	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	150,500	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	150,500	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	153,020	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	153,020	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	155,540	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	155,540	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	156,800	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	156,800	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	158,375	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	158,375	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	161,525	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	161,525	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	164,675	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	164,675	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	167,825	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	167,825	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	169,400	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	169,400	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	171,500	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	171,500	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	175,700	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	175,700	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	179,900	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	179,900	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	182,000	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	182,000	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	184,100	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	184,100	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	188,300	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	188,300	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	192,500	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR XPL HD 2261	192,500	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	194,600	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>

Posizione apparecchi (singola)

	X [m]	Y [m]	Z [m]	Flusso reale [%]	Az. [°]	Incl. [°]	Rot. [°]	ON
5102 32 51W 500mA	194,600	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR 72 XPL HD	196,700	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR 72 XPL HD	196,700	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR 72 XPL HD	200,900	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR 72 XPL HD	200,900	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR 72 XPL HD	205,100	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR 72 XPL HD	205,100	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	207,200	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	207,200	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR 72 XPL HD	209,300	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR 72 XPL HD	209,300	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR 72 XPL HD	213,500	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR 72 XPL HD	213,500	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR 72 XPL HD	217,700	0,000	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
OMNISTAR 72 XPL HD	217,700	5,600	6,000	100	270,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	219,800	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	219,800	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 96 213W 700mA	221,900	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 96 213W 700mA	221,900	5,600	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 96 213W 700mA	226,100	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 96 213W 700mA	226,100	5,600	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 96 213W 700mA	230,300	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 96 213W 700mA	230,300	5,600	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	232,400	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	232,400	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 96 213W 700mA	235,550	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 96 213W 700mA	235,550	5,600	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 96 213W 700mA	241,850	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 96 213W 700mA	241,850	5,600	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	245,000	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	245,000	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 96 213W 700mA	248,150	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 96 213W 700mA	248,150	5,600	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 96 213W 700mA	254,450	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 96 213W 700mA	254,450	5,600	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	257,600	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	257,600	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 96 213W 700mA	260,750	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 96 213W 700mA	260,750	5,600	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 96 213W 700mA	267,050	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 96 213W 700mA	267,050	5,600	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	270,200	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	270,200	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 96 213W 700mA	276,500	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 96 213W 700mA	276,500	5,600	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	282,800	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	282,800	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 96 213W 700mA	289,100	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>

Posizione apparecchi (singola)

	X [m]	Y [m]	Z [m]	Flusso reale [%]	Az. [°]	Incl. [°]	Rot. [°]	ON
5102 96 213W 700mA	289,100	5,600	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	295,400	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	295,400	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 96 213W 700mA	301,700	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 96 213W 700mA	301,700	5,600	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	308,000	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	308,000	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 96 213W 700mA	314,300	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 96 213W 700mA	314,300	5,600	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	320,600	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	320,600	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 96 213W 700mA	326,900	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 96 213W 700mA	326,900	5,600	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	333,200	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	333,200	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 96 213W 700mA	339,500	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 96 213W 700mA	339,500	5,600	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	345,800	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	345,800	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 64 139W 700mA	352,100	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 64 139W 700mA	352,100	5,600	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	358,400	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	358,400	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 64 139W 700mA	364,700	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 64 139W 700mA	364,700	5,600	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	371,000	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	371,000	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 64 139W 700mA	377,300	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 64 139W 700mA	377,300	5,600	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	383,600	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	383,600	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 64 139W 700mA	389,900	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 64 139W 700mA	389,900	5,600	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	396,200	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	396,200	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 64 139W 700mA	402,500	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 64 139W 700mA	402,500	5,600	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	408,800	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	408,800	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 64 139W 700mA	415,100	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 64 139W 700mA	415,100	5,600	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	421,400	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	421,400	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	427,700	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	427,700	5,600	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	434,000	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	434,000	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	440,300	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>

Posizione apparecchi (singola)

	X [m]	Y [m]	Z [m]	Flusso reale [%]	Az. [°]	Incl. [°]	Rot. [°]	ON
5102 32 51W 500mA	440,300	5,600	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	446,600	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	446,600	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	452,900	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	452,900	5,600	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	459,200	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	459,200	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	465,500	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	465,500	5,600	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	471,800	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	471,800	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	478,100	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	478,100	5,600	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	484,400	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	484,400	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	490,700	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	490,700	5,600	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	497,000	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	497,000	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	503,300	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	503,300	5,600	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	509,600	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	509,600	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	515,900	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	515,900	5,600	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	522,200	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	522,200	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 16 19W 500mA	528,500	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 16 19W 500mA	528,500	5,600	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	534,800	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	534,800	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 16 19W 500mA	541,100	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 16 19W 500mA	541,100	5,600	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	547,400	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	547,400	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 16 19W 500mA	553,700	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 16 19W 500mA	553,700	5,600	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	560,000	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	560,000	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 16 19W 500mA	566,300	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 16 19W 500mA	566,300	5,600	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	572,600	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	572,600	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 16 19W 500mA	578,900	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 16 19W 500mA	578,900	5,600	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	585,200	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	585,200	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 16 19W 500mA	591,500	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>

Posizione apparecchi (singola)

	X [m]	Y [m]	Z [m]	Flusso reale [%]	Az. [°]	Incl. [°]	Rot. [°]	ON
5102 16 19W 500mA	591,500	5,600	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	597,800	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	597,800	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 16 19W 500mA	604,100	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 16 19W 500mA	604,100	5,600	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	610,400	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	610,400	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	623,000	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	623,000	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	635,600	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	635,600	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	648,200	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	648,200	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	660,800	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	660,800	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	673,400	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	673,400	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	686,000	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	686,000	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	698,600	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	698,600	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	711,200	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	711,200	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	723,800	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	723,800	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	736,400	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	736,400	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	749,000	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	749,000	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	761,600	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	761,600	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	774,200	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	774,200	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	786,800	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	786,800	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	799,400	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	799,400	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	812,000	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	812,000	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	824,600	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	824,600	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	837,200	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	837,200	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	849,800	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	849,800	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	862,400	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	862,400	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	875,000	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>

Posizione apparecchi (singola)

	X [m]	Y [m]	Z [m]	Flusso reale [%]	Az. [°]	Incl. [°]	Rot. [°]	ON
5102 32 51W 500mA	875,000	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	887,600	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	887,600	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	900,200	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	900,200	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	912,800	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	912,800	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	925,400	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	925,400	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	938,000	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	938,000	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	950,600	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	950,600	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	963,200	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	963,200	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	975,800	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	975,800	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	988,400	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	988,400	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1001,000	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1001,000	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1013,600	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1013,600	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1026,200	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1026,200	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1038,800	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1038,800	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1051,400	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1051,400	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1064,000	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1064,000	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1076,600	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1076,600	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1089,200	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1089,200	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1101,800	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1101,800	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1114,400	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1114,400	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1127,000	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1127,000	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1139,600	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1139,600	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1152,200	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1152,200	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1164,800	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1164,800	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1177,400	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>

Posizione apparecchi (singola)

	X [m]	Y [m]	Z [m]	Flusso reale [%]	Az. [°]	Incl. [°]	Rot. [°]	ON
5102 32 51W 500mA	1177,400	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1190,000	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1190,000	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1202,600	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1202,600	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1215,200	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1215,200	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1227,800	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1227,800	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1240,400	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1240,400	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1253,000	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1253,000	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1265,600	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1265,600	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1278,200	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1278,200	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1290,800	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1290,800	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1303,400	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1303,400	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1316,000	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1316,000	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1328,600	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1328,600	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1341,200	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1341,200	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1353,800	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1353,800	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1366,400	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1366,400	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1379,000	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1379,000	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1391,600	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1391,600	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1404,200	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1404,200	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1416,800	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1416,800	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1429,400	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1429,400	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1442,000	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1442,000	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1454,600	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1454,600	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1467,200	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1467,200	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1479,800	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>

Posizione apparecchi (singola)

	X [m]	Y [m]	Z [m]	Flusso reale [%]	Az. [°]	Incl. [°]	Rot. [°]	ON
5102 32 51W 500mA	1479,800	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1492,400	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1492,400	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1505,000	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1505,000	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1517,600	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1517,600	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1530,200	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1530,200	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1542,800	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1542,800	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1555,400	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1555,400	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1568,000	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1568,000	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1580,600	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1580,600	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1593,200	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1593,200	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1605,800	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1605,800	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1618,400	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1618,400	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1631,000	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1631,000	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1643,600	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1643,600	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1656,200	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1656,200	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1668,800	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1668,800	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1681,400	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1681,400	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1694,000	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1694,000	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1706,600	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1706,600	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1719,200	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1719,200	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1731,800	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1731,800	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1744,400	0,000	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>
5102 32 51W 500mA	1744,400	5,625	6,000	100	0,0	0,0	0,0	<input checked="" type="checkbox"/>

Riepilogo configurazione Luminaire Locator

Wall Right (Cross Section Italy)

Illuminamento				
Min	Max	Med	Min/Max	Min/Med
19,1	1120,3	333,7	1,7	5,7
Luminanza (Lambert)				
Min	Max	Med	Min/Max	Min/Med
2,43	142,64	42,49	1,7	5,7

HardShoulder-UI-0 (Cross Section Italy)

Illuminamento				
Min	Max	Med	Min/Max	Min/Med
58,4	1775,2	587,8	3,3	9,9

Luminanza (RTable)				
--------------------	--	--	--	--

Y Observer	Min	Max	Med	Min/Max	Min/Med
Obs Y = 1,875	3,31	113,94	37,03	2,9	8,9

HardShoulder-UI-1 (Cross Section Italy)

Illuminamento				
Min	Max	Med	Min/Max	Min/Med
58,4	1775,2	587,8	3,3	9,9

Luminanza (RTable)				
--------------------	--	--	--	--

Y Observer	Min	Max	Med	Min/Max	Min/Med
Obs Y = 5,625	3,31	113,94	37,03	2,9	8,9

HardShoulder (Cross Section Italy)

Illuminamento				
Min	Max	Med	Min/Max	Min/Med
46,5	1972,6	582,7	2,4	8,0

Luminanza (RTable)				
--------------------	--	--	--	--

Y Observer	Min	Max	Med	Min/Max	Min/Med
Obs Y = 1,875	2,37	140,81	36,87	1,7	6,4
Obs Y = 5,625	2,37	140,81	36,87	1,7	6,4

Road-UI-0 (Cross Section Italy)

Illuminamento				
Min	Max	Med	Min/Max	Min/Med
77,3	2243,9	747,4	3,4	10,3

Luminanza (RTable)				
--------------------	--	--	--	--

Y Observer	Min	Max	Med	Min/Max	Min/Med
Obs Y = 1,875	4,05	134,69	43,91	3,0	9,2

Road-UI-1 (Cross Section Italy)

Illuminamento				
Min	Max	Med	Min/Max	Min/Med
73,3	2048,9	689,8	3,6	10,6

Luminanza (RTable)					
Y Observer	Min	Max	Med	Min/Max	Min/Med
Obs Y = 5,625	4,63	147,41	48,63	3,1	9,5

Road (Cross Section Italy)

Illuminamento				
Min	Max	Med	Min/Max	Min/Med
61,2	2261,0	708,7	2,7	8,6

Luminanza (RTable)					
Y Observer	Min	Max	Med	Min/Max	Min/Med
Obs Y = 1,875	3,57	148,58	44,98	2,4	7,9
Obs Y = 5,625	3,57	148,58	44,98	2,4	7,9

Wall Left (Cross Section Italy)

Illuminamento				
Min	Max	Med	Min/Max	Min/Med
21,6	1155,4	347,9	1,9	6,2

Luminanza (Lambert)				
Min	Max	Med	Min/Max	Min/Med
2,75	147,11	44,29	1,9	6,2

Luminaire Locator **0,000 ≤ 40,000**
Luminescence (Lambert) **Wall Right (Cross Section Italy)**
Origin X = 0,000 Y = 0,000 Z = 0,000

1,700	40,85	76,79	111,66	127,26	128,45	130,74	132,81	130,85	133,47	131,30	131,32	133,69	130,70	132,81	132,05	131,07	134,32
1,000	52,81	86,72	118,84	134,34	135,92	138,38	141,07	138,67	141,63	139,54	139,15	142,09	138,75	140,95	140,38	138,89	142,64
X/Y	0,000	2,500	5,000	7,500	10,000	12,500	15,000	17,500	20,000	22,500	25,000	27,500	30,000	32,500	35,000	37,500	40,000
Min/Ave	87,2	93,9	96,9	97,3	97,2	97,2	97,0	97,1	97,0	97,0	97,1	97,0	97,0	97,0	96,9	97,1	97,0
Ave	46,83	81,75	115,25	130,80	132,19	134,56	136,94	134,76	137,55	135,42	135,24	137,89	134,72	136,88	136,21	134,98	138,48

Luminaire Locator **42,500 ≤ 82,500**
Luminescence (Lambert) **Wall Right (Cross Section Italy)**
Origin X = 0,000 Y = 0,000 Z = 0,000

1,700	130,40	132,27	132,60	130,76	134,06	131,10	132,07	133,12	130,47	133,31	131,82	131,84	133,64	130,16	132,54	132,48	131,56
1,000	138,59	140,30	141,02	138,58	142,32	139,36	140,04	141,55	138,36	141,50	140,13	139,73	142,04	138,16	140,65	140,85	139,43
X/Y	42,500	45,000	47,500	50,000	52,500	55,000	57,500	60,000	62,500	65,000	67,500	70,000	72,500	75,000	77,500	80,000	82,500
Min/Ave	97,0	97,1	96,9	97,1	97,0	96,9	97,1	96,9	97,1	97,0	96,9	97,1	97,0	97,0	97,0	96,9	97,1
Ave	134,50	136,29	136,81	134,67	138,19	135,23	136,05	137,34	134,42	137,41	135,98	135,78	137,84	134,16	136,59	136,66	135,50

Luminaire Locator **85,000 ≤ 125,000**
Luminescence (Lambert) **Wall Right (Cross Section Italy)**
Origin X = 0,000 Y = 0,000 Z = 0,000

1,700	134,26	129,82	131,92	132,83	130,76	132,42	125,99	122,62	120,01	113,07	111,73	112,68	116,32	115,57	111,69	109,80	107,49
1,000	142,56	137,94	139,85	141,10	138,15	139,67	132,94	128,88	126,23	120,44	119,79	120,31	122,74	121,54	118,22	116,71	113,89
X/Y	85,000	87,500	90,000	92,500	95,000	97,500	100,000	102,500	105,000	107,500	110,000	112,500	115,000	117,500	120,000	122,500	125,000
Min/Ave	97,0	97,0	97,1	97,0	97,3	97,3	97,3	97,5	97,5	96,8	96,5	96,7	97,3	97,5	97,2	96,9	97,1
Ave	138,41	133,88	135,89	136,97	134,45	136,05	129,47	125,75	123,12	116,75	115,76	116,50	119,53	118,56	114,95	113,26	110,69

Luminaire Locator **127,500 ≤ 167,500**
Luminescence (Lambert) **Wall Right (Cross Section Italy)**
Origin X = 0,000 Y = 0,000 Z = 0,000

1,700	106,26	102,01	97,44	96,18	95,84	96,01	96,43	96,45	95,31	92,94	89,17	84,84	82,25	76,18	70,36	65,48	63,60
1,000	112,44	108,48	104,19	102,94	102,46	102,54	102,84	102,52	100,82	97,38	92,58	88,24	86,63	81,39	73,31	68,34	67,87
X/Y	127,500	130,000	132,500	135,000	137,500	140,000	142,500	145,000	147,500	150,000	152,500	155,000	157,500	160,000	162,500	165,000	167,500
Min/Ave	97,2	96,9	96,6	96,6	96,7	96,7	96,8	97,0	97,2	97,7	98,1	98,0	97,4	96,7	97,9	97,9	96,8
Ave	109,35	105,25	100,81	99,56	99,15	99,28	99,63	99,48	98,07	95,16	90,87	86,54	84,44	78,79	71,84	66,91	65,74

Luminance (Lambert) Wall Right (Cross Section Italy) Luminaire Locator 170,000 ≤ 210,000
Origin X = 0,000 Y = 0,000 Z = 0,000

1,700	62,65	54,75	62,87	57,46	54,44	60,13	52,50	59,71	49,00	41,41	41,78	35,86	41,66	38,03	37,78	40,35	35,07
1,000	66,33	59,46	65,46	61,02	58,49	63,37	56,45	60,77	51,01	44,12	44,56	39,52	43,77	40,82	40,44	42,71	37,45
X/Y	170,000	172,500	175,000	177,500	180,000	182,500	185,000	187,500	190,000	192,500	195,000	197,500	200,000	202,500	205,000	207,500	210,000
Min/Ave	97,2	95,9	98,0	97,0	96,4	97,4	96,4	99,1	98,0	96,8	96,8	95,2	97,5	96,5	96,6	97,2	96,7
Ave	64,49	57,10	64,17	59,24	56,47	61,75	54,47	60,24	50,00	42,76	43,17	37,69	42,72	39,43	39,11	41,53	36,26

Luminance (Lambert) Wall Right (Cross Section Italy) Luminaire Locator 212,500 ≤ 252,500
Origin X = 0,000 Y = 0,000 Z = 0,000

1,700	38,44	27,64	20,67	16,61	17,29	18,26	18,98	19,41	19,09	18,33	17,03	16,65	17,10	16,74	16,77	15,95	15,82
1,000	38,50	28,02	22,41	19,45	20,64	21,77	22,65	23,09	22,70	21,87	20,47	20,07	20,46	20,18	20,12	19,29	19,13
X/Y	212,500	215,000	217,500	220,000	222,500	225,000	227,500	230,000	232,500	235,000	237,500	240,000	242,500	245,000	247,500	250,000	252,500
Min/Ave	99,9	99,3	96,0	92,1	91,2	91,2	91,2	91,3	91,3	91,2	90,8	90,7	91,1	90,7	90,9	90,5	90,5
Ave	38,47	27,83	21,54	18,03	18,97	20,02	20,82	21,25	20,90	20,10	18,75	18,36	18,78	18,46	18,45	17,62	17,48

Luminance (Lambert) Wall Right (Cross Section Italy) Luminaire Locator 255,000 ≤ 295,000
Origin X = 0,000 Y = 0,000 Z = 0,000

1,700	16,41	16,09	15,96	14,86	14,35	14,12	12,61	11,31	11,21	11,03	9,47	8,83	8,88	9,71	10,08	8,88	8,46
1,000	19,69	19,34	19,05	17,95	17,29	16,89	15,18	13,76	13,62	13,27	11,66	10,79	10,82	11,78	12,10	10,85	10,29
X/Y	255,000	257,500	260,000	262,500	265,000	267,500	270,000	272,500	275,000	277,500	280,000	282,500	285,000	287,500	290,000	292,500	295,000
Min/Ave	90,9	90,8	91,2	90,6	90,7	91,1	90,7	90,2	90,3	90,8	89,6	90,0	90,2	90,4	90,9	90,1	90,3
Ave	18,05	17,72	17,51	16,40	15,82	15,51	13,89	12,54	12,42	12,15	10,56	9,81	9,85	10,74	11,09	9,86	9,37

Luminance (Lambert) Wall Right (Cross Section Italy) Luminaire Locator 297,500 ≤ 337,500
Origin X = 0,000 Y = 0,000 Z = 0,000

1,700	8,60	9,53	10,02	8,90	8,43	8,56	9,51	10,05	8,95	8,42	8,52	9,49	10,05	8,96	8,33	8,36	9,28
1,000	10,46	11,50	11,95	10,78	10,23	10,38	11,45	11,96	10,83	10,22	10,33	11,39	11,92	10,79	10,09	10,15	11,12
X/Y	297,500	300,000	302,500	305,000	307,500	310,000	312,500	315,000	317,500	320,000	322,500	325,000	327,500	330,000	332,500	335,000	337,500
Min/Ave	90,3	90,6	91,2	90,4	90,4	90,3	90,8	91,3	90,5	90,4	90,4	90,9	91,4	90,7	90,4	90,4	91,0
Ave	9,53	10,52	10,98	9,84	9,33	9,47	10,48	11,01	9,89	9,32	9,42	10,44	10,99	9,87	9,21	9,25	10,20

Luminaire Locator **340,000** \leq **380,000**

Luminance (Lambert) **Wall Right (Cross Section Italy)**

Origin X = 0,000 Y = 0,000 Z = 0,000

1,700	9,76	8,54	7,58	7,17	7,49	7,72	7,01	6,58	6,52	7,07	7,46	6,87	6,46	6,42	7,00	7,42	6,89
1,000	11,57	10,26	9,20	8,73	9,04	9,24	8,46	8,00	7,96	8,52	8,92	8,29	7,85	7,83	8,41	8,86	8,29
X/Y	340,000	342,500	345,000	347,500	350,000	352,500	355,000	357,500	360,000	362,500	365,000	367,500	370,000	372,500	375,000	377,500	380,000
Min/Ave	91,5	90,9	90,4	90,1	90,6	91,0	90,6	90,2	90,0	90,7	91,1	90,6	90,2	90,1	90,9	91,2	90,7
Ave	10,66	9,40	8,39	7,95	8,27	8,48	7,74	7,29	7,24	7,79	8,19	7,58	7,15	7,12	7,71	8,14	7,59

Luminaire Locator **382,500** \leq **422,500**

Luminance (Lambert) **Wall Right (Cross Section Italy)**

Origin X = 0,000 Y = 0,000 Z = 0,000

1,700	6,44	6,41	6,97	7,40	6,91	6,42	6,41	6,93	7,33	6,88	6,30	6,26	6,67	7,00	6,33	5,40	4,86
1,000	7,83	7,82	8,38	8,84	8,31	7,82	7,80	8,31	8,74	8,23	7,65	7,60	7,99	8,31	7,55	6,56	5,91
X/Y	382,500	385,000	387,500	390,000	392,500	395,000	397,500	400,000	402,500	405,000	407,500	410,000	412,500	415,000	417,500	420,000	422,500
Min/Ave	90,2	90,1	90,9	91,1	90,8	90,2	90,2	90,9	91,2	91,1	90,3	90,3	90,9	91,4	91,2	90,3	90,3
Ave	7,14	7,12	7,67	8,12	7,61	7,12	7,10	7,62	8,04	7,55	6,97	6,93	7,33	7,66	6,94	5,98	5,39

Luminaire Locator **425,000** \leq **465,000**

Luminance (Lambert) **Wall Right (Cross Section Italy)**

Origin X = 0,000 Y = 0,000 Z = 0,000

1,700	4,42	4,27	4,01	3,90	3,93	3,80	3,89	3,77	3,75	3,83	3,74	3,86	3,76	3,74	3,83	3,74	3,85
1,000	5,39	5,17	4,87	4,76	4,78	4,64	4,70	4,57	4,55	4,62	4,52	4,63	4,53	4,53	4,61	4,52	4,62
X/Y	425,000	427,500	430,000	432,500	435,000	437,500	440,000	442,500	445,000	447,500	450,000	452,500	455,000	457,500	460,000	462,500	465,000
Min/Ave	90,1	90,4	90,4	90,1	90,3	90,0	90,5	90,4	90,3	90,7	90,5	90,9	90,6	90,4	90,8	90,5	90,9
Ave	4,90	4,72	4,44	4,33	4,36	4,22	4,29	4,17	4,15	4,22	4,13	4,24	4,14	4,14	4,22	4,13	4,24

Luminaire Locator **467,500** \leq **507,500**

Luminance (Lambert) **Wall Right (Cross Section Italy)**

Origin X = 0,000 Y = 0,000 Z = 0,000

1,700	3,75	3,75	3,84	3,74	3,85	3,75	3,75	3,85	3,74	3,84	3,74	3,75	3,85	3,73	3,82	3,72	3,72
1,000	4,53	4,53	4,62	4,52	4,62	4,53	4,53	4,62	4,52	4,61	4,53	4,52	4,62	4,50	4,59	4,49	4,47
X/Y	467,500	470,000	472,500	475,000	477,500	480,000	482,500	485,000	487,500	490,000	492,500	495,000	497,500	500,000	502,500	505,000	507,500
Min/Ave	90,6	90,5	90,9	90,5	90,9	90,6	90,6	90,9	90,5	90,9	90,5	90,6	90,9	90,6	90,9	90,6	90,8
Ave	4,14	4,14	4,23	4,13	4,23	4,14	4,14	4,23	4,13	4,23	4,14	4,14	4,23	4,12	4,20	4,10	4,09

Luminaire Locator **510,000** **↔** **550,000**

Luminescence (Lambert) **Wall Right (Cross Section Italy)**

Origin X = 0,000 Y = 0,000 Z = 0,000

1,700	3,79	3,65	3,69	3,52	3,41	3,31	2,91	2,64	2,55	2,74	2,88	2,65	2,46	2,44	2,66	2,82	2,63
1,000	4,54	4,40	4,43	4,25	4,10	3,96	3,53	3,22	3,12	3,29	3,45	3,21	3,01	2,99	3,20	3,37	3,17
X/Y	510,000	512,500	515,000	517,500	520,000	522,500	525,000	527,500	530,000	532,500	535,000	537,500	540,000	542,500	545,000	547,500	550,000
Min/Ave	91,0	90,6	90,9	90,6	90,9	91,0	90,4	90,0	89,9	90,7	91,0	90,5	90,0	90,0	90,8	91,1	90,8
Ave	4,17	4,03	4,06	3,88	3,75	3,64	3,22	2,93	2,84	3,01	3,16	2,93	2,73	2,72	2,93	3,09	2,90

Luminaire Locator **552,500** **↔** **592,500**

Luminescence (Lambert) **Wall Right (Cross Section Italy)**

Origin X = 0,000 Y = 0,000 Z = 0,000

1,700	2,44	2,43	2,64	2,80	2,64	2,43	2,44	2,63	2,81	2,65	2,43	2,44	2,61	2,82	2,66	2,43	2,43
1,000	2,97	2,97	3,17	3,35	3,17	2,97	2,97	3,16	3,36	3,18	2,97	2,97	3,15	3,36	3,19	2,95	2,95
X/Y	552,500	555,000	557,500	560,000	562,500	565,000	567,500	570,000	572,500	575,000	577,500	580,000	582,500	585,000	587,500	590,000	592,500
Min/Ave	90,2	90,1	90,8	91,1	90,8	90,1	90,2	90,8	91,1	90,9	90,1	90,2	90,8	91,2	90,9	90,2	90,4
Ave	2,71	2,70	2,91	3,08	2,91	2,70	2,70	2,89	3,09	2,92	2,70	2,71	2,88	3,09	2,92	2,69	2,69

Luminaire Locator **595,000** **↔** **600,000**

Luminescence (Lambert) **Wall Right (Cross Section Italy)**

Origin X = 0,000 Y = 0,000 Z = 0,000

1,700	2,58	2,80	2,62	1,8
1,000	3,10	3,33	3,15	2,1
X/Y	595,000	597,500	600,000	UI%
Min/Ave	90,8	91,3	90,9	
Ave	2,84	3,06	2,88	

Luminaire Locator **0,000** **↔** **40,000**

Luminescence (Lambert) **HardShoulder-UI-0 (Cross Section Italy)**

Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location = FollowLongitudinalAndTransversal

Origin X = 0,000 Y = -1,500 Z = 0,000

-1,500	72,76	91,40	104,89	110,69	110,91	111,63	113,48	111,12	113,41	112,55	111,80	113,87	111,43	113,07	113,07	111,56	113,82
X/Y	0,000	2,500	5,000	7,500	10,000	12,500	15,000	17,500	20,000	22,500	25,000	27,500	30,000	32,500	35,000	37,500	40,000

Luminance **HardShoulder-UI-0 (Cross Section Italy)** **Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **42,500 ↯ 82,500**
Origin X = 0,000 Y = -1,500 Z = 0,000

-1,500	111,67	112,63	113,50	111,29	113,72	112,13	112,22	113,87	111,28	113,45	112,55	111,85	113,94	111,37	112,95	112,94	111,49
X/Y	42,500	45,000	47,500	50,000	52,500	55,000	57,500	60,000	62,500	65,000	67,500	70,000	72,500	75,000	77,500	80,000	82,500

Luminance **HardShoulder-UI-0 (Cross Section Italy)** **Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **85,000 ↯ 125,000**
Origin X = 0,000 Y = -1,500 Z = 0,000

-1,500	113,74	111,34	111,91	111,97	108,28	108,10	103,30	100,36	99,28	96,15	95,86	96,99	97,60	96,38	93,13	89,72	87,31
X/Y	85,000	87,500	90,000	92,500	95,000	97,500	100,000	102,500	105,000	107,500	110,000	112,500	115,000	117,500	120,000	122,500	125,000

Luminance **HardShoulder-UI-0 (Cross Section Italy)** **Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **127,500 ↯ 167,500**
Origin X = 0,000 Y = -1,500 Z = 0,000

-1,500	85,49	83,57	81,74	81,47	81,22	80,90	80,22	78,83	76,27	73,42	71,00	68,12	65,17	60,78	56,79	51,33	52,67
X/Y	127,500	130,000	132,500	135,000	137,500	140,000	142,500	145,000	147,500	150,000	152,500	155,000	157,500	160,000	162,500	165,000	167,500

Luminance **HardShoulder-UI-0 (Cross Section Italy)** **Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **170,000 ↯ 210,000**
Origin X = 0,000 Y = -1,500 Z = 0,000

-1,500	51,92	48,32	52,33	48,60	47,42	48,65	43,41	43,93	37,76	35,33	36,02	34,58	38,30	36,55	37,34	37,24	33,43
X/Y	170,000	172,500	175,000	177,500	180,000	182,500	185,000	187,500	190,000	192,500	195,000	197,500	200,000	202,500	205,000	207,500	210,000

Luminance **HardShoulder-UI-0 (Cross Section Italy)** **Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **212,500 ↯ 252,500**
Origin X = 0,000 Y = -1,500 Z = 0,000

-1,500	31,51	26,32	24,36	23,41	24,14	24,46	24,60	24,30	23,93	23,74	23,25	22,91	22,56	22,38	22,26	21,78	21,26
X/Y	212,500	215,000	217,500	220,000	222,500	225,000	227,500	230,000	232,500	235,000	237,500	240,000	242,500	245,000	247,500	250,000	252,500

Luminance **HardShoulder-UI-0 (Cross Section Italy)** **Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **255,000 ↯ 295,000**
Origin X = 0,000 Y = -1,500 Z = 0,000

-1,500	20,62	19,88	19,25	18,25	17,14	16,47	15,60	14,72	14,13	13,71	13,48	13,23	13,01	12,84	12,85	12,87	12,83
X/Y	255,000	257,500	260,000	262,500	265,000	267,500	270,000	272,500	275,000	277,500	280,000	282,500	285,000	287,500	290,000	292,500	295,000

Luminance **HardShoulder-UI-0 (Cross Section Italy)** **Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **297,500 ↯ 337,500**
Origin X = 0,000 Y = -1,500 Z = 0,000

-1,500	12,65	12,56	12,65	12,76	12,72	12,56	12,52	12,61	12,70	12,64	12,37	12,22	12,19	12,16	12,03	11,61	11,27
X/Y	297,500	300,000	302,500	305,000	307,500	310,000	312,500	315,000	317,500	320,000	322,500	325,000	327,500	330,000	332,500	335,000	337,500

Luminance **HardShoulder-UI-0 (Cross Section Italy)** **Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **340,000 ↯ 380,000**
Origin X = 0,000 Y = -1,500 Z = 0,000

-1,500	11,05	10,77	10,49	10,04	9,84	9,80	9,78	9,79	9,54	9,51	9,58	9,60	9,66	9,44	9,44	9,53	9,54
X/Y	340,000	342,500	345,000	347,500	350,000	352,500	355,000	357,500	360,000	362,500	365,000	367,500	370,000	372,500	375,000	377,500	380,000

Luminance **HardShoulder-UI-0 (Cross Section Italy)** **Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **382,500 ↯ 422,500**
Origin X = 0,000 Y = -1,500 Z = 0,000

-1,500	9,63	9,42	9,42	9,50	9,46	9,51	9,21	9,08	8,99	8,78	8,68	8,24	7,88	7,53	6,99	6,59	6,13
X/Y	382,500	385,000	387,500	390,000	392,500	395,000	397,500	400,000	402,500	405,000	407,500	410,000	412,500	415,000	417,500	420,000	422,500

Luminance **HardShoulder-UI-0 (Cross Section Italy)** **Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **425,000 ↯ 465,000**
Origin X = 0,000 Y = -1,500 Z = 0,000

-1,500	5,87	5,72	5,56	5,53	5,39	5,38	5,39	5,32	5,33	5,25	5,27	5,31	5,26	5,28	5,24	5,27	5,31
X/Y	425,000	427,500	430,000	432,500	435,000	437,500	440,000	442,500	445,000	447,500	450,000	452,500	455,000	457,500	460,000	462,500	465,000

Luminance **HardShoulder-UI-0 (Cross Section Italy)** **Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **467,500 ↯ 507,500**
Origin X = 0,000 Y = -1,500 Z = 0,000

-1,500	5,26	5,28	5,24	5,26	5,31	5,25	5,27	5,24	5,25	5,30	5,23	5,22	5,17	5,13	5,12	4,99	4,92
X/Y	467,500	470,000	472,500	475,000	477,500	480,000	482,500	485,000	487,500	490,000	492,500	495,000	497,500	500,000	502,500	505,000	507,500

Luminance **HardShoulder-UI-0 (Cross Section Italy)** **Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **510,000 ↯ 550,000**
Origin X = 0,000 Y = -1,500 Z = 0,000

-1,500	4,82	4,69	4,58	4,33	4,14	4,00	3,89	3,85	3,72	3,69	3,69	3,67	3,70	3,62	3,61	3,63	3,63
X/Y	510,000	512,500	515,000	517,500	520,000	522,500	525,000	527,500	530,000	532,500	535,000	537,500	540,000	542,500	545,000	547,500	550,000

Luminance **HardShoulder-UI-0 (Cross Section Italy)** **Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **552,500 ↯ 592,500**
Origin X = 0,000 Y = -1,500 Z = 0,000

-1,500	3,67	3,58	3,59	3,63	3,62	3,66	3,58	3,59	3,63	3,62	3,65	3,57	3,57	3,60	3,56	3,56	3,43
X/Y	552,500	555,000	557,500	560,000	562,500	565,000	567,500	570,000	572,500	575,000	577,500	580,000	582,500	585,000	587,500	590,000	592,500

Luminance **HardShoulder-UI-0 (Cross Section Italy)** **Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **595,000 ↯ 600,000**
Origin X = 0,000 Y = -1,500 Z = 0,000

-1,500	3,40	3,40	3,31	2,9
X/Y	595,000	597,500	600,000	UI%

Luminance **HardShoulder-UI-1 (Cross Section Italy)** **Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **0,000 ↯ 40,000**
Origin X = 0,000 Y = -1,500 Z = 0,000

-1,500	72,76	91,40	104,89	110,69	110,91	111,63	113,48	111,12	113,41	112,55	111,80	113,87	111,43	113,07	113,07	111,56	113,82
X/Y	0,000	2,500	5,000	7,500	10,000	12,500	15,000	17,500	20,000	22,500	25,000	27,500	30,000	32,500	35,000	37,500	40,000

Luminance **HardShoulder-UI-1 (Cross Section Italy)** **Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **42,500 ↯ 82,500**
Origin X = 0,000 Y = -1,500 Z = 0,000

-1,500	111,67	112,63	113,50	111,29	113,72	112,13	112,22	113,87	111,28	113,45	112,55	111,85	113,94	111,37	112,95	112,94	111,49
X/Y	42,500	45,000	47,500	50,000	52,500	55,000	57,500	60,000	62,500	65,000	67,500	70,000	72,500	75,000	77,500	80,000	82,500

Luminance **HardShoulder-UI-1 (Cross Section Italy)** **Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **85,000 ↗ 125,000**
Origin X = 0,000 Y = -1,500 Z = 0,000

-1,500	113,74	111,34	111,91	111,97	108,28	108,10	103,30	100,36	99,28	96,15	95,86	96,99	97,60	96,38	93,13	89,72	87,31
X/Y	85,000	87,500	90,000	92,500	95,000	97,500	100,000	102,500	105,000	107,500	110,000	112,500	115,000	117,500	120,000	122,500	125,000

Luminance **HardShoulder-UI-1 (Cross Section Italy)** **Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **127,500 ↗ 167,500**
Origin X = 0,000 Y = -1,500 Z = 0,000

-1,500	85,49	83,57	81,74	81,47	81,22	80,90	80,22	78,83	76,27	73,42	71,00	68,12	65,17	60,78	56,79	51,33	52,67
X/Y	127,500	130,000	132,500	135,000	137,500	140,000	142,500	145,000	147,500	150,000	152,500	155,000	157,500	160,000	162,500	165,000	167,500

Luminance **HardShoulder-UI-1 (Cross Section Italy)** **Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **170,000 ↗ 210,000**
Origin X = 0,000 Y = -1,500 Z = 0,000

-1,500	51,92	48,32	52,33	48,60	47,42	48,65	43,41	43,93	37,76	35,33	36,02	34,58	38,30	36,55	37,34	37,24	33,43
X/Y	170,000	172,500	175,000	177,500	180,000	182,500	185,000	187,500	190,000	192,500	195,000	197,500	200,000	202,500	205,000	207,500	210,000

Luminance **HardShoulder-UI-1 (Cross Section Italy)** **Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **212,500 ↗ 252,500**
Origin X = 0,000 Y = -1,500 Z = 0,000

-1,500	31,51	26,32	24,36	23,41	24,14	24,46	24,60	24,30	23,93	23,74	23,25	22,91	22,56	22,38	22,26	21,78	21,26
X/Y	212,500	215,000	217,500	220,000	222,500	225,000	227,500	230,000	232,500	235,000	237,500	240,000	242,500	245,000	247,500	250,000	252,500

Luminance **HardShoulder-UI-1 (Cross Section Italy)** **Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **255,000 ↯ 295,000**
Origin X = 0,000 Y = -1,500 Z = 0,000

-1,500	20,62	19,88	19,25	18,25	17,14	16,47	15,60	14,72	14,13	13,71	13,48	13,23	13,01	12,84	12,85	12,87	12,83
X/Y	255,000	257,500	260,000	262,500	265,000	267,500	270,000	272,500	275,000	277,500	280,000	282,500	285,000	287,500	290,000	292,500	295,000

Luminance **HardShoulder-UI-1 (Cross Section Italy)** **Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **297,500 ↯ 337,500**
Origin X = 0,000 Y = -1,500 Z = 0,000

-1,500	12,65	12,56	12,65	12,76	12,72	12,56	12,52	12,61	12,70	12,64	12,37	12,22	12,19	12,16	12,03	11,61	11,27
X/Y	297,500	300,000	302,500	305,000	307,500	310,000	312,500	315,000	317,500	320,000	322,500	325,000	327,500	330,000	332,500	335,000	337,500

Luminance **HardShoulder-UI-1 (Cross Section Italy)** **Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **340,000 ↯ 380,000**
Origin X = 0,000 Y = -1,500 Z = 0,000

-1,500	11,05	10,77	10,49	10,04	9,84	9,80	9,78	9,79	9,54	9,51	9,58	9,60	9,66	9,44	9,44	9,53	9,54
X/Y	340,000	342,500	345,000	347,500	350,000	352,500	355,000	357,500	360,000	362,500	365,000	367,500	370,000	372,500	375,000	377,500	380,000

Luminance **HardShoulder-UI-1 (Cross Section Italy)** **Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **382,500 ↯ 422,500**
Origin X = 0,000 Y = -1,500 Z = 0,000

-1,500	9,63	9,42	9,42	9,50	9,46	9,51	9,21	9,08	8,99	8,78	8,68	8,24	7,88	7,53	6,99	6,59	6,13
X/Y	382,500	385,000	387,500	390,000	392,500	395,000	397,500	400,000	402,500	405,000	407,500	410,000	412,500	415,000	417,500	420,000	422,500

Luminance **HardShoulder-UI-1 (Cross Section Italy)** **Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **425,000 ↯ 465,000**
Origin X = 0,000 Y = -1,500 Z = 0,000

-1,500	5,87	5,72	5,56	5,53	5,39	5,38	5,39	5,32	5,33	5,25	5,27	5,31	5,26	5,28	5,24	5,27	5,31
X/Y	425,000	427,500	430,000	432,500	435,000	437,500	440,000	442,500	445,000	447,500	450,000	452,500	455,000	457,500	460,000	462,500	465,000

Luminance **HardShoulder-UI-1 (Cross Section Italy)** **Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **467,500 ↯ 507,500**
Origin X = 0,000 Y = -1,500 Z = 0,000

-1,500	5,26	5,28	5,24	5,26	5,31	5,25	5,27	5,24	5,25	5,30	5,23	5,22	5,17	5,13	5,12	4,99	4,92
X/Y	467,500	470,000	472,500	475,000	477,500	480,000	482,500	485,000	487,500	490,000	492,500	495,000	497,500	500,000	502,500	505,000	507,500

Luminance **HardShoulder-UI-1 (Cross Section Italy)** **Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **510,000 ↯ 550,000**
Origin X = 0,000 Y = -1,500 Z = 0,000

-1,500	4,82	4,69	4,58	4,33	4,14	4,00	3,89	3,85	3,72	3,69	3,69	3,67	3,70	3,62	3,61	3,63	3,63
X/Y	510,000	512,500	515,000	517,500	520,000	522,500	525,000	527,500	530,000	532,500	535,000	537,500	540,000	542,500	545,000	547,500	550,000

Luminance **HardShoulder-UI-1 (Cross Section Italy)** **Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **552,500 ↯ 592,500**
Origin X = 0,000 Y = -1,500 Z = 0,000

-1,500	3,67	3,58	3,59	3,63	3,62	3,66	3,58	3,59	3,63	3,62	3,65	3,57	3,57	3,60	3,56	3,56	3,43
X/Y	552,500	555,000	557,500	560,000	562,500	565,000	567,500	570,000	572,500	575,000	577,500	580,000	582,500	585,000	587,500	590,000	592,500

Luminance **HardShoulder-UI-1 (Cross Section Italy)** **Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location =** **Luminaire Locator** **595,000 ≤ 600,000**
Origin X = 0,000 Y = -1,500 Z = 0,000

-1,500	3,40	3,40	3,31	2,9
X/Y	595,000	597,500	600,000	UI%

Luminance **HardShoulder (Cross Section Italy)** **Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location =** **Luminaire Locator** **0,000 ≤ 40,000**
Origin X = 0,000 Y = -2,500 Z = 0,000

-0,500	93,80	115,50	131,10	137,22	137,67	138,56	140,16	137,96	140,27	139,45	138,71	140,67	138,27	140,10	139,94	138,43	140,59
-1,500	72,76	91,40	104,89	110,69	110,91	111,63	113,48	111,12	113,41	112,55	111,80	113,87	111,43	113,07	113,07	111,56	113,82
-2,500	51,49	65,97	77,09	81,80	82,30	82,87	84,33	82,76	84,31	83,76	83,04	84,63	83,01	84,11	84,17	82,86	84,62
X/Y	0,000	2,500	5,000	7,500	10,000	12,500	15,000	17,500	20,000	22,500	25,000	27,500	30,000	32,500	35,000	37,500	40,000
Min/Ave	70,8	72,5	73,9	74,4	74,6	74,6	74,9	74,8	74,8	74,8	74,7	74,9	74,8	74,8	74,9	74,7	74,9
Ave	72,68	90,95	104,36	109,90	110,29	111,02	112,66	110,62	112,66	111,92	111,18	113,06	110,90	112,43	112,39	110,95	113,01

Luminance **HardShoulder (Cross Section Italy)** **Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location =** **Luminaire Locator** **42,500 ≤ 82,500**
Origin X = 0,000 Y = -2,500 Z = 0,000

-0,500	138,51	139,69	140,35	138,20	140,45	138,94	139,21	140,64	138,16	140,23	139,40	138,77	140,81	138,24	139,89	139,75	138,35
-1,500	111,67	112,63	113,50	111,29	113,72	112,13	112,22	113,87	111,28	113,45	112,55	111,85	113,94	111,37	112,95	112,94	111,49
-2,500	83,09	83,79	84,50	82,85	84,51	83,45	83,44	84,65	82,89	84,37	83,80	83,10	84,66	82,95	84,04	84,11	82,84
X/Y	42,500	45,000	47,500	50,000	52,500	55,000	57,500	60,000	62,500	65,000	67,500	70,000	72,500	75,000	77,500	80,000	82,500
Min/Ave	74,8	74,8	74,9	74,8	74,9	74,8	74,8	74,9	74,8	74,9	74,9	74,7	74,8	74,8	74,8	74,9	74,7
Ave	111,09	112,04	112,78	110,78	112,90	111,51	111,63	113,05	110,78	112,69	111,92	111,24	113,13	110,85	112,30	112,27	110,89

Luminaire **HardShoulder (Cross Section Italy)** **Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **85,000 ≤ 125,000**
Origin X = 0,000 Y = -2,500 Z = 0,000

-0,500	140,54	138,08	138,62	138,23	134,09	133,14	127,79	124,11	122,11	118,94	119,19	120,48	120,64	118,71	114,79	110,92	107,87
-1,500	113,74	111,34	111,91	111,97	108,28	108,10	103,30	100,36	99,28	96,15	95,86	96,99	97,60	96,38	93,13	89,72	87,31
-2,500	84,54	82,85	83,30	83,50	80,86	80,59	77,17	74,84	74,01	71,76	71,32	72,02	72,53	71,81	69,56	67,31	65,36
X/Y	85,000	87,500	90,000	92,500	95,000	97,500	100,000	102,500	105,000	107,500	110,000	112,500	115,000	117,500	120,000	122,500	125,000
Min/Ave	74,9	74,8	74,9	75,1	75,1	75,1	75,1	75,0	75,2	75,0	74,7	74,6	74,8	75,1	75,2	75,4	75,3
Ave	112,94	110,76	111,28	111,23	107,75	107,28	102,75	99,77	98,46	95,61	95,46	96,50	96,92	95,64	92,50	89,32	86,85

Luminaire **HardShoulder (Cross Section Italy)** **Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **127,500 ≤ 167,500**
Origin X = 0,000 Y = -2,500 Z = 0,000

-0,500	105,41	102,99	101,08	100,76	100,40	99,90	98,97	97,02	93,56	90,02	87,18	83,69	79,81	74,95	70,33	63,22	64,62
-1,500	85,49	83,57	81,74	81,47	81,22	80,90	80,22	78,83	76,27	73,42	71,00	68,12	65,17	60,78	56,79	51,33	52,67
-2,500	63,97	62,20	60,88	60,64	60,45	60,27	59,84	58,87	56,97	54,67	52,84	50,94	48,93	45,66	42,37	38,50	39,46
X/Y	127,500	130,000	132,500	135,000	137,500	140,000	142,500	145,000	147,500	150,000	152,500	155,000	157,500	160,000	162,500	165,000	167,500
Min/Ave	75,3	75,0	74,9	74,9	74,9	75,0	75,1	75,2	75,4	75,2	75,1	75,4	75,7	75,5	75,0	75,5	75,5
Ave	84,96	82,92	81,23	80,96	80,69	80,36	79,68	78,24	75,60	72,71	70,34	67,58	64,64	60,46	56,50	51,01	52,25

Luminaire **HardShoulder (Cross Section Italy)** **Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **170,000 ≤ 210,000**
Origin X = 0,000 Y = -2,500 Z = 0,000

-0,500	64,73	59,89	64,64	59,98	58,55	60,43	53,41	53,77	46,33	43,60	45,07	43,38	48,13	46,11	47,27	47,64	42,84
-1,500	51,92	48,32	52,33	48,60	47,42	48,65	43,41	43,93	37,76	35,33	36,02	34,58	38,30	36,55	37,34	37,24	33,43
-2,500	38,73	35,76	38,79	36,23	35,29	36,46	32,37	32,97	28,34	26,26	26,80	25,35	28,13	26,64	27,14	27,22	24,16
X/Y	170,000	172,500	175,000	177,500	180,000	182,500	185,000	187,500	190,000	192,500	195,000	197,500	200,000	202,500	205,000	207,500	210,000
Min/Ave	74,8	74,5	74,7	75,1	75,0	75,2	75,2	75,7	75,6	74,9	74,5	73,6	73,7	73,1	72,9	72,9	72,2
Ave	51,80	47,99	51,92	48,27	47,09	48,51	43,06	43,56	37,48	35,06	35,96	34,44	38,19	36,43	37,25	37,36	33,48

Luminaire **HardShoulder (Cross Section Italy)** **Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **212,500 ≤ 252,500**
Origin X = 0,000 Y = -2,500 Z = 0,000

-0,500	40,36	34,20	31,93	31,09	31,76	32,05	32,06	31,64	31,14	30,78	30,26	30,00	29,59	29,19	28,81	28,24	27,65
-1,500	31,51	26,32	24,36	23,41	24,14	24,46	24,60	24,30	23,93	23,74	23,25	22,91	22,56	22,38	22,26	21,78	21,26
-2,500	22,76	18,52	16,94	16,16	16,72	17,05	17,19	17,02	16,93	16,69	16,46	16,14	15,88	15,86	15,72	15,48	15,09
X/Y	212,500	215,000	217,500	220,000	222,500	225,000	227,500	230,000	232,500	235,000	237,500	240,000	242,500	245,000	247,500	250,000	252,500
Min/Ave	72,1	70,3	69,4	68,6	69,1	69,5	69,8	70,0	70,5	70,3	70,6	70,1	70,0	70,5	70,6	70,9	70,7
Ave	31,54	26,35	24,41	23,55	24,21	24,52	24,62	24,32	24,00	23,74	23,32	23,01	22,68	22,48	22,26	21,83	21,33

Luminaire **HardShoulder (Cross Section Italy)** **Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **255,000 ≤ 295,000**
Origin X = 0,000 Y = -2,500 Z = 0,000

-0,500	26,71	25,62	24,51	23,32	22,13	21,14	20,00	18,84	18,32	17,84	17,63	17,15	16,79	16,82	16,87	16,92	16,70
-1,500	20,62	19,88	19,25	18,25	17,14	16,47	15,60	14,72	14,13	13,71	13,48	13,23	13,01	12,84	12,85	12,87	12,83
-2,500	14,65	14,29	13,78	13,07	12,40	11,90	11,21	10,68	10,14	9,79	9,55	9,35	9,28	9,11	9,06	9,04	8,99
X/Y	255,000	257,500	260,000	262,500	265,000	267,500	270,000	272,500	275,000	277,500	280,000	282,500	285,000	287,500	290,000	292,500	295,000
Min/Ave	70,9	71,7	71,9	71,8	72,0	72,1	71,9	72,4	71,4	71,0	70,5	70,6	71,2	70,5	70,1	69,9	70,0
Ave	20,66	19,93	19,18	18,22	17,22	16,50	15,60	14,75	14,19	13,78	13,55	13,24	13,03	12,92	12,93	12,95	12,84

Luminaire **HardShoulder (Cross Section Italy)** **Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **297,500 ≤ 337,500**
Origin X = 0,000 Y = -2,500 Z = 0,000

-0,500	16,37	16,51	16,67	16,79	16,60	16,29	16,45	16,63	16,70	16,48	16,07	16,02	16,04	15,91	15,55	14,95	14,60
-1,500	12,65	12,56	12,65	12,76	12,72	12,56	12,52	12,61	12,70	12,64	12,37	12,22	12,19	12,16	12,03	11,61	11,27
-2,500	8,96	8,88	8,89	8,96	8,89	8,88	8,86	8,87	8,93	8,83	8,76	8,68	8,63	8,60	8,43	8,28	8,09
X/Y	297,500	300,000	302,500	305,000	307,500	310,000	312,500	315,000	317,500	320,000	322,500	325,000	327,500	330,000	332,500	335,000	337,500
Min/Ave	70,8	70,2	69,8	69,8	69,8	70,6	70,3	69,9	69,9	69,8	70,6	70,5	70,2	70,3	70,2	71,3	71,5
Ave	12,66	12,65	12,74	12,84	12,74	12,58	12,61	12,70	12,77	12,65	12,40	12,31	12,29	12,22	12,00	11,61	11,32

Luminaire **HardShoulder (Cross Section Italy)** **Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **340,000 ≤ 380,000**
Origin X = 0,000 Y = -2,500 Z = 0,000

-0,500	14,38	13,99	13,54	13,02	12,81	12,85	12,79	12,72	12,46	12,42	12,55	12,58	12,57	12,35	12,32	12,45	12,51
-1,500	11,05	10,77	10,49	10,04	9,84	9,80	9,78	9,79	9,54	9,51	9,58	9,60	9,66	9,44	9,44	9,53	9,54
-2,500	7,93	7,71	7,42	7,18	7,00	6,97	6,94	6,85	6,76	6,72	6,78	6,80	6,74	6,66	6,64	6,72	6,75
X/Y	340,000	342,500	345,000	347,500	350,000	352,500	355,000	357,500	360,000	362,500	365,000	367,500	370,000	372,500	375,000	377,500	380,000
Min/Ave	71,3	71,2	70,8	71,2	70,8	70,6	70,5	70,0	70,5	70,3	70,3	70,4	69,8	70,3	70,1	70,2	70,3
Ave	11,12	10,82	10,48	10,08	9,88	9,87	9,84	9,79	9,59	9,55	9,64	9,66	9,66	9,48	9,46	9,56	9,60

Luminaire **HardShoulder (Cross Section Italy)** **Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **382,500 ≤ 422,500**
Origin X = 0,000 Y = -2,500 Z = 0,000

-0,500	12,54	12,33	12,29	12,38	12,41	12,41	12,05	11,81	11,64	11,40	11,19	10,57	10,03	9,50	8,90	8,45	7,90
-1,500	9,63	9,42	9,42	9,50	9,46	9,51	9,21	9,08	8,99	8,78	8,68	8,24	7,88	7,53	6,99	6,59	6,13
-2,500	6,72	6,64	6,61	6,69	6,71	6,65	6,50	6,40	6,37	6,27	6,12	5,86	5,66	5,46	5,12	4,76	4,41
X/Y	382,500	385,000	387,500	390,000	392,500	395,000	397,500	400,000	402,500	405,000	407,500	410,000	412,500	415,000	417,500	420,000	422,500
Min/Ave	69,8	70,2	70,0	70,2	70,4	69,8	70,2	70,3	70,7	71,1	70,6	71,3	72,0	72,8	73,1	72,1	71,7
Ave	9,63	9,46	9,44	9,52	9,53	9,52	9,25	9,10	9,00	8,82	8,66	8,22	7,86	7,49	7,00	6,60	6,15

Luminaire **HardShoulder (Cross Section Italy)** **Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **425,000 ≤ 465,000**
Origin X = 0,000 Y = -2,500 Z = 0,000

-0,500	7,58	7,39	7,19	7,21	7,06	7,03	6,99	6,92	6,98	6,89	6,90	6,90	6,85	6,93	6,89	6,90	6,90
-1,500	5,87	5,72	5,56	5,53	5,39	5,38	5,39	5,32	5,33	5,25	5,27	5,31	5,26	5,28	5,24	5,27	5,31
-2,500	4,19	4,08	3,99	3,92	3,81	3,80	3,80	3,79	3,75	3,67	3,70	3,72	3,72	3,71	3,67	3,70	3,72
X/Y	425,000	427,500	430,000	432,500	435,000	437,500	440,000	442,500	445,000	447,500	450,000	452,500	455,000	457,500	460,000	462,500	465,000
Min/Ave	71,3	71,3	71,5	70,6	70,3	70,3	70,5	70,9	70,1	69,7	70,0	70,1	70,6	70,0	69,7	70,0	70,1
Ave	5,88	5,73	5,58	5,55	5,42	5,40	5,40	5,34	5,35	5,27	5,29	5,31	5,28	5,31	5,27	5,29	5,31

Luminaire **HardShoulder (Cross Section Italy)** **Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **467,500 ≤ 507,500**
Origin X = 0,000 Y = -2,500 Z = 0,000

-0,500	6,85	6,92	6,90	6,89	6,89	6,86	6,91	6,90	6,87	6,88	6,84	6,85	6,81	6,70	6,63	6,49	6,40
-1,500	5,26	5,28	5,24	5,26	5,31	5,25	5,27	5,24	5,25	5,30	5,23	5,22	5,17	5,13	5,12	4,99	4,92
-2,500	3,72	3,71	3,67	3,70	3,72	3,72	3,70	3,68	3,70	3,71	3,70	3,67	3,64	3,63	3,60	3,55	3,48
X/Y	467,500	470,000	472,500	475,000	477,500	480,000	482,500	485,000	487,500	490,000	492,500	495,000	497,500	500,000	502,500	505,000	507,500
Min/Ave	70,5	70,0	69,7	70,1	70,1	70,5	70,0	69,8	70,2	70,1	70,4	70,0	69,9	70,5	70,3	70,8	70,5
Ave	5,28	5,30	5,27	5,28	5,31	5,28	5,29	5,27	5,27	5,30	5,26	5,25	5,21	5,16	5,12	5,01	4,93

Luminaire **HardShoulder (Cross Section Italy)** **Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **510,000 ≤ 550,000**
Origin X = 0,000 Y = -2,500 Z = 0,000

-0,500	6,26	6,05	5,85	5,57	5,34	5,19	5,06	4,98	4,84	4,80	4,81	4,81	4,82	4,73	4,70	4,73	4,75
-1,500	4,82	4,69	4,58	4,33	4,14	4,00	3,89	3,85	3,72	3,69	3,69	3,67	3,70	3,62	3,61	3,63	3,63
-2,500	3,41	3,36	3,27	3,13	2,97	2,87	2,79	2,71	2,65	2,61	2,61	2,61	2,59	2,56	2,54	2,56	2,57
X/Y	510,000	512,500	515,000	517,500	520,000	522,500	525,000	527,500	530,000	532,500	535,000	537,500	540,000	542,500	545,000	547,500	550,000
Min/Ave	70,7	71,6	71,5	72,0	71,5	71,4	71,2	70,5	70,8	70,6	70,6	70,6	70,0	70,4	70,2	70,3	70,4
Ave	4,83	4,70	4,57	4,34	4,15	4,02	3,91	3,85	3,74	3,70	3,70	3,70	3,70	3,63	3,62	3,64	3,65

Luminaire **HardShoulder (Cross Section Italy)** **Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **552,500 ≤ 592,500**
Origin X = 0,000 Y = -2,500 Z = 0,000

-0,500	4,78	4,69	4,68	4,72	4,74	4,78	4,69	4,68	4,72	4,73	4,78	4,68	4,66	4,68	4,65	4,65	4,49
-1,500	3,67	3,58	3,59	3,63	3,62	3,66	3,58	3,59	3,63	3,62	3,65	3,57	3,57	3,60	3,56	3,56	3,43
-2,500	2,56	2,52	2,52	2,55	2,57	2,56	2,52	2,52	2,56	2,56	2,55	2,50	2,51	2,54	2,53	2,50	2,41
X/Y	552,500	555,000	557,500	560,000	562,500	565,000	567,500	570,000	572,500	575,000	577,500	580,000	582,500	585,000	587,500	590,000	592,500
Min/Ave	69,8	70,1	70,0	70,3	70,5	69,8	70,0	70,0	70,3	70,5	69,7	69,8	70,0	70,4	70,6	70,0	70,0
Ave	3,67	3,60	3,60	3,63	3,64	3,67	3,60	3,60	3,64	3,64	3,66	3,58	3,58	3,60	3,58	3,57	3,44

Luminaire **HardShoulder (Cross Section Italy)** **Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **595,000 ↯ 600,000**
Origin X = 0,000 Y = -2,500 Z = 0,000

-0,500	4,41	4,37	4,28
-1,500	3,40	3,40	3,31
-2,500	2,40	2,41	2,37
X/Y	595,000	597,500	600,000
Min/Ave	70,5	71,0	71,4
Ave	3,40	3,39	3,32

Luminaire **HardShoulder (Cross Section Italy)** **Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **0,000 ↯ 40,000**
Origin X = 0,000 Y = -2,500 Z = 0,000

-0,500	93,80	115,50	131,10	137,22	137,67	138,56	140,16	137,96	140,27	139,45	138,71	140,67	138,27	140,10	139,94	138,43	140,59
-1,500	72,76	91,40	104,89	110,69	110,91	111,63	113,48	111,12	113,41	112,55	111,80	113,87	111,43	113,07	113,07	111,56	113,82
-2,500	51,49	65,97	77,09	81,80	82,30	82,87	84,33	82,76	84,31	83,76	83,04	84,63	83,01	84,11	84,17	82,86	84,62
X/Y	0,000	2,500	5,000	7,500	10,000	12,500	15,000	17,500	20,000	22,500	25,000	27,500	30,000	32,500	35,000	37,500	40,000
Min/Ave	70,8	72,5	73,9	74,4	74,6	74,6	74,9	74,8	74,8	74,8	74,7	74,9	74,8	74,8	74,9	74,7	74,9
Ave	72,68	90,95	104,36	109,90	110,29	111,02	112,66	110,62	112,66	111,92	111,18	113,06	110,90	112,43	112,39	110,95	113,01

Luminaire **HardShoulder (Cross Section Italy)** **Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **42,500 ↯ 82,500**
Origin X = 0,000 Y = -2,500 Z = 0,000

-0,500	138,51	139,69	140,35	138,20	140,45	138,94	139,21	140,64	138,16	140,23	139,40	138,77	140,81	138,24	139,89	139,75	138,35
-1,500	111,67	112,63	113,50	111,29	113,72	112,13	112,22	113,87	111,28	113,45	112,55	111,85	113,94	111,37	112,95	112,94	111,49
-2,500	83,09	83,79	84,50	82,85	84,51	83,45	83,44	84,65	82,89	84,37	83,80	83,10	84,66	82,95	84,04	84,11	82,84
X/Y	42,500	45,000	47,500	50,000	52,500	55,000	57,500	60,000	62,500	65,000	67,500	70,000	72,500	75,000	77,500	80,000	82,500
Min/Ave	74,8	74,8	74,9	74,8	74,9	74,8	74,8	74,9	74,8	74,9	74,9	74,7	74,8	74,8	74,8	74,9	74,7
Ave	111,09	112,04	112,78	110,78	112,90	111,51	111,63	113,05	110,78	112,69	111,92	111,24	113,13	110,85	112,30	112,27	110,89

Luminance **HardShoulder (Cross Section Italy)** **Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **85,000 ≤ 125,000**
Origin X = 0,000 Y = -2,500 Z = 0,000

-0,500	140,54	138,08	138,62	138,23	134,09	133,14	127,79	124,11	122,11	118,94	119,19	120,48	120,64	118,71	114,79	110,92	107,87
-1,500	113,74	111,34	111,91	111,97	108,28	108,10	103,30	100,36	99,28	96,15	95,86	96,99	97,60	96,38	93,13	89,72	87,31
-2,500	84,54	82,85	83,30	83,50	80,86	80,59	77,17	74,84	74,01	71,76	71,32	72,02	72,53	71,81	69,56	67,31	65,36
X/Y	85,000	87,500	90,000	92,500	95,000	97,500	100,000	102,500	105,000	107,500	110,000	112,500	115,000	117,500	120,000	122,500	125,000
Min/Ave	74,9	74,8	74,9	75,1	75,1	75,1	75,1	75,0	75,2	75,0	74,7	74,6	74,8	75,1	75,2	75,4	75,3
Ave	112,94	110,76	111,28	111,23	107,75	107,28	102,75	99,77	98,46	95,61	95,46	96,50	96,92	95,64	92,50	89,32	86,85

Luminance **HardShoulder (Cross Section Italy)** **Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **127,500 ≤ 167,500**
Origin X = 0,000 Y = -2,500 Z = 0,000

-0,500	105,41	102,99	101,08	100,76	100,40	99,90	98,97	97,02	93,56	90,02	87,18	83,69	79,81	74,95	70,33	63,22	64,62
-1,500	85,49	83,57	81,74	81,47	81,22	80,90	80,22	78,83	76,27	73,42	71,00	68,12	65,17	60,78	56,79	51,33	52,67
-2,500	63,97	62,20	60,88	60,64	60,45	60,27	59,84	58,87	56,97	54,67	52,84	50,94	48,93	45,66	42,37	38,50	39,46
X/Y	127,500	130,000	132,500	135,000	137,500	140,000	142,500	145,000	147,500	150,000	152,500	155,000	157,500	160,000	162,500	165,000	167,500
Min/Ave	75,3	75,0	74,9	74,9	74,9	75,0	75,1	75,2	75,4	75,2	75,1	75,4	75,7	75,5	75,0	75,5	75,5
Ave	84,96	82,92	81,23	80,96	80,69	80,36	79,68	78,24	75,60	72,71	70,34	67,58	64,64	60,46	56,50	51,01	52,25

Luminance **HardShoulder (Cross Section Italy)** **Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **170,000 ≤ 210,000**
Origin X = 0,000 Y = -2,500 Z = 0,000

-0,500	64,73	59,89	64,64	59,98	58,55	60,43	53,41	53,77	46,33	43,60	45,07	43,38	48,13	46,11	47,27	47,64	42,84
-1,500	51,92	48,32	52,33	48,60	47,42	48,65	43,41	43,93	37,76	35,33	36,02	34,58	38,30	36,55	37,34	37,24	33,43
-2,500	38,73	35,76	38,79	36,23	35,29	36,46	32,37	32,97	28,34	26,26	26,80	25,35	28,13	26,64	27,14	27,22	24,16
X/Y	170,000	172,500	175,000	177,500	180,000	182,500	185,000	187,500	190,000	192,500	195,000	197,500	200,000	202,500	205,000	207,500	210,000
Min/Ave	74,8	74,5	74,7	75,1	75,0	75,2	75,2	75,7	75,6	74,9	74,5	73,6	73,7	73,1	72,9	72,9	72,2
Ave	51,80	47,99	51,92	48,27	47,09	48,51	43,06	43,56	37,48	35,06	35,96	34,44	38,19	36,43	37,25	37,36	33,48

Luminance **HardShoulder (Cross Section Italy)** **Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **212,500 ≤ 252,500**
Origin X = 0,000 Y = -2,500 Z = 0,000

-0,500	40,36	34,20	31,93	31,09	31,76	32,05	32,06	31,64	31,14	30,78	30,26	30,00	29,59	29,19	28,81	28,24	27,65
-1,500	31,51	26,32	24,36	23,41	24,14	24,46	24,60	24,30	23,93	23,74	23,25	22,91	22,56	22,38	22,26	21,78	21,26
-2,500	22,76	18,52	16,94	16,16	16,72	17,05	17,19	17,02	16,93	16,69	16,46	16,14	15,88	15,86	15,72	15,48	15,09
X/Y	212,500	215,000	217,500	220,000	222,500	225,000	227,500	230,000	232,500	235,000	237,500	240,000	242,500	245,000	247,500	250,000	252,500
Min/Ave	72,1	70,3	69,4	68,6	69,1	69,5	69,8	70,0	70,5	70,3	70,6	70,1	70,0	70,5	70,6	70,9	70,7
Ave	31,54	26,35	24,41	23,55	24,21	24,52	24,62	24,32	24,00	23,74	23,32	23,01	22,68	22,48	22,26	21,83	21,33

Luminance **HardShoulder (Cross Section Italy)** **Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **255,000 ≤ 295,000**
Origin X = 0,000 Y = -2,500 Z = 0,000

-0,500	26,71	25,62	24,51	23,32	22,13	21,14	20,00	18,84	18,32	17,84	17,63	17,15	16,79	16,82	16,87	16,92	16,70
-1,500	20,62	19,88	19,25	18,25	17,14	16,47	15,60	14,72	14,13	13,71	13,48	13,23	13,01	12,84	12,85	12,87	12,83
-2,500	14,65	14,29	13,78	13,07	12,40	11,90	11,21	10,68	10,14	9,79	9,55	9,35	9,28	9,11	9,06	9,04	8,99
X/Y	255,000	257,500	260,000	262,500	265,000	267,500	270,000	272,500	275,000	277,500	280,000	282,500	285,000	287,500	290,000	292,500	295,000
Min/Ave	70,9	71,7	71,9	71,8	72,0	72,1	71,9	72,4	71,4	71,0	70,5	70,6	71,2	70,5	70,1	69,9	70,0
Ave	20,66	19,93	19,18	18,22	17,22	16,50	15,60	14,75	14,19	13,78	13,55	13,24	13,03	12,92	12,93	12,95	12,84

Luminance **HardShoulder (Cross Section Italy)** **Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **297,500 ≤ 337,500**
Origin X = 0,000 Y = -2,500 Z = 0,000

-0,500	16,37	16,51	16,67	16,79	16,60	16,29	16,45	16,63	16,70	16,48	16,07	16,02	16,04	15,91	15,55	14,95	14,60
-1,500	12,65	12,56	12,65	12,76	12,72	12,56	12,52	12,61	12,70	12,64	12,37	12,22	12,19	12,16	12,03	11,61	11,27
-2,500	8,96	8,88	8,89	8,96	8,89	8,88	8,86	8,87	8,93	8,83	8,76	8,68	8,63	8,60	8,43	8,28	8,09
X/Y	297,500	300,000	302,500	305,000	307,500	310,000	312,500	315,000	317,500	320,000	322,500	325,000	327,500	330,000	332,500	335,000	337,500
Min/Ave	70,8	70,2	69,8	69,8	69,8	70,6	70,3	69,9	69,9	69,8	70,6	70,5	70,2	70,3	70,2	71,3	71,5
Ave	12,66	12,65	12,74	12,84	12,74	12,58	12,61	12,70	12,77	12,65	12,40	12,31	12,29	12,22	12,00	11,61	11,32

Luminaire **HardShoulder (Cross Section Italy)** **Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **340,000 ≤ 380,000**
Origin X = 0,000 Y = -2,500 Z = 0,000

-0,500	14,38	13,99	13,54	13,02	12,81	12,85	12,79	12,72	12,46	12,42	12,55	12,58	12,57	12,35	12,32	12,45	12,51
-1,500	11,05	10,77	10,49	10,04	9,84	9,80	9,78	9,79	9,54	9,51	9,58	9,60	9,66	9,44	9,44	9,53	9,54
-2,500	7,93	7,71	7,42	7,18	7,00	6,97	6,94	6,85	6,76	6,72	6,78	6,80	6,74	6,66	6,64	6,72	6,75
X/Y	340,000	342,500	345,000	347,500	350,000	352,500	355,000	357,500	360,000	362,500	365,000	367,500	370,000	372,500	375,000	377,500	380,000
Min/Ave	71,3	71,2	70,8	71,2	70,8	70,6	70,5	70,0	70,5	70,3	70,3	70,4	69,8	70,3	70,1	70,2	70,3
Ave	11,12	10,82	10,48	10,08	9,88	9,87	9,84	9,79	9,59	9,55	9,64	9,66	9,66	9,48	9,46	9,56	9,60

Luminaire **HardShoulder (Cross Section Italy)** **Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **382,500 ≤ 422,500**
Origin X = 0,000 Y = -2,500 Z = 0,000

-0,500	12,54	12,33	12,29	12,38	12,41	12,41	12,05	11,81	11,64	11,40	11,19	10,57	10,03	9,50	8,90	8,45	7,90
-1,500	9,63	9,42	9,42	9,50	9,46	9,51	9,21	9,08	8,99	8,78	8,68	8,24	7,88	7,53	6,99	6,59	6,13
-2,500	6,72	6,64	6,61	6,69	6,71	6,65	6,50	6,40	6,37	6,27	6,12	5,86	5,66	5,46	5,12	4,76	4,41
X/Y	382,500	385,000	387,500	390,000	392,500	395,000	397,500	400,000	402,500	405,000	407,500	410,000	412,500	415,000	417,500	420,000	422,500
Min/Ave	69,8	70,2	70,0	70,2	70,4	69,8	70,2	70,3	70,7	71,1	70,6	71,3	72,0	72,8	73,1	72,1	71,7
Ave	9,63	9,46	9,44	9,52	9,53	9,52	9,25	9,10	9,00	8,82	8,66	8,22	7,86	7,49	7,00	6,60	6,15

Luminaire **HardShoulder (Cross Section Italy)** **Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **425,000 ≤ 465,000**
Origin X = 0,000 Y = -2,500 Z = 0,000

-0,500	7,58	7,39	7,19	7,21	7,06	7,03	6,99	6,92	6,98	6,89	6,90	6,90	6,85	6,93	6,89	6,90	6,90
-1,500	5,87	5,72	5,56	5,53	5,39	5,38	5,39	5,32	5,33	5,25	5,27	5,31	5,26	5,28	5,24	5,27	5,31
-2,500	4,19	4,08	3,99	3,92	3,81	3,80	3,80	3,79	3,75	3,67	3,70	3,72	3,72	3,71	3,67	3,70	3,72
X/Y	425,000	427,500	430,000	432,500	435,000	437,500	440,000	442,500	445,000	447,500	450,000	452,500	455,000	457,500	460,000	462,500	465,000
Min/Ave	71,3	71,3	71,5	70,6	70,3	70,3	70,5	70,9	70,1	69,7	70,0	70,1	70,6	70,0	69,7	70,0	70,1
Ave	5,88	5,73	5,58	5,55	5,42	5,40	5,40	5,34	5,35	5,27	5,29	5,31	5,28	5,31	5,27	5,29	5,31

Luminaire **HardShoulder (Cross Section Italy)** **Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **467,500 ≤ 507,500**
Origin X = 0,000 Y = -2,500 Z = 0,000

-0,500	6,85	6,92	6,90	6,89	6,89	6,86	6,91	6,90	6,87	6,88	6,84	6,85	6,81	6,70	6,63	6,49	6,40
-1,500	5,26	5,28	5,24	5,26	5,31	5,25	5,27	5,24	5,25	5,30	5,23	5,22	5,17	5,13	5,12	4,99	4,92
-2,500	3,72	3,71	3,67	3,70	3,72	3,72	3,70	3,68	3,70	3,71	3,70	3,67	3,64	3,63	3,60	3,55	3,48
X/Y	467,500	470,000	472,500	475,000	477,500	480,000	482,500	485,000	487,500	490,000	492,500	495,000	497,500	500,000	502,500	505,000	507,500
Min/Ave	70,5	70,0	69,7	70,1	70,1	70,5	70,0	69,8	70,2	70,1	70,4	70,0	69,9	70,5	70,3	70,8	70,5
Ave	5,28	5,30	5,27	5,28	5,31	5,28	5,29	5,27	5,27	5,30	5,26	5,25	5,21	5,16	5,12	5,01	4,93

Luminaire **HardShoulder (Cross Section Italy)** **Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **510,000 ≤ 550,000**
Origin X = 0,000 Y = -2,500 Z = 0,000

-0,500	6,26	6,05	5,85	5,57	5,34	5,19	5,06	4,98	4,84	4,80	4,81	4,81	4,82	4,73	4,70	4,73	4,75
-1,500	4,82	4,69	4,58	4,33	4,14	4,00	3,89	3,85	3,72	3,69	3,69	3,67	3,70	3,62	3,61	3,63	3,63
-2,500	3,41	3,36	3,27	3,13	2,97	2,87	2,79	2,71	2,65	2,61	2,61	2,61	2,59	2,56	2,54	2,56	2,57
X/Y	510,000	512,500	515,000	517,500	520,000	522,500	525,000	527,500	530,000	532,500	535,000	537,500	540,000	542,500	545,000	547,500	550,000
Min/Ave	70,7	71,6	71,5	72,0	71,5	71,4	71,2	70,5	70,8	70,6	70,6	70,6	70,0	70,4	70,2	70,3	70,4
Ave	4,83	4,70	4,57	4,34	4,15	4,02	3,91	3,85	3,74	3,70	3,70	3,70	3,70	3,63	3,62	3,64	3,65

Luminaire **HardShoulder (Cross Section Italy)** **Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **552,500 ≤ 592,500**
Origin X = 0,000 Y = -2,500 Z = 0,000

-0,500	4,78	4,69	4,68	4,72	4,74	4,78	4,69	4,68	4,72	4,73	4,78	4,68	4,66	4,68	4,65	4,65	4,49
-1,500	3,67	3,58	3,59	3,63	3,62	3,66	3,58	3,59	3,63	3,62	3,65	3,57	3,57	3,60	3,56	3,56	3,43
-2,500	2,56	2,52	2,52	2,55	2,57	2,56	2,52	2,52	2,56	2,56	2,55	2,50	2,51	2,54	2,53	2,50	2,41
X/Y	552,500	555,000	557,500	560,000	562,500	565,000	567,500	570,000	572,500	575,000	577,500	580,000	582,500	585,000	587,500	590,000	592,500
Min/Ave	69,8	70,1	70,0	70,3	70,5	69,8	70,0	70,0	70,3	70,5	69,7	69,8	70,0	70,4	70,6	70,0	70,0
Ave	3,67	3,60	3,60	3,63	3,64	3,67	3,60	3,60	3,64	3,64	3,66	3,58	3,58	3,60	3,58	3,57	3,44

Luminance **HardShoulder (Cross Section Italy)** **Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **595,000 ↗ 600,000**
Origin X = 0,000 Y = -2,500 Z = 0,000

-0,500	4,41	4,37	4,28
-1,500	3,40	3,40	3,31
-2,500	2,40	2,41	2,37
X/Y	595,000	597,500	600,000
Min/Ave	70,5	71,0	71,4
Ave	3,40	3,39	3,32

Luminance **Road-UI-0 (Cross Section Italy)** **Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **0,000 ↗ 40,000**
Origin X = 0,000 Y = 1,875 Z = 0,000

1,875	82,69	105,84	123,15	130,47	130,78	131,31	134,07	131,13	133,51	132,83	131,60	134,63	131,50	133,04	133,53	131,35	134,69
X/Y	0,000	2,500	5,000	7,500	10,000	12,500	15,000	17,500	20,000	22,500	25,000	27,500	30,000	32,500	35,000	37,500	40,000

Luminance **Road-UI-0 (Cross Section Italy)** **Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **42,500 ↗ 82,500**
Origin X = 0,000 Y = 1,875 Z = 0,000

1,875	131,75	132,44	134,04	131,17	134,19	132,34	132,02	134,40	131,22	133,59	132,95	131,68	134,62	131,35	132,93	133,50	131,31
X/Y	42,500	45,000	47,500	50,000	52,500	55,000	57,500	60,000	62,500	65,000	67,500	70,000	72,500	75,000	77,500	80,000	82,500

Luminance **Road-UI-0 (Cross Section Italy)** **Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location = FollowLongitudinalAndTransversal** **Luminaire Locator** **85,000 ↗ 125,000**
Origin X = 0,000 Y = 1,875 Z = 0,000

1,875	134,53	131,31	131,69	132,50	127,94	127,81	122,28	118,53	117,37	113,29	112,89	114,27	115,42	113,95	109,89	106,02	103,11
X/Y	85,000	87,500	90,000	92,500	95,000	97,500	100,000	102,500	105,000	107,500	110,000	112,500	115,000	117,500	120,000	122,500	125,000

Luminance Road-UI-0 (Cross Section Italy) Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location = Luminaire Locator 127,500 ↯ 167,500
 FollowLongitudinalAndTransversal

Origin X = 0,000 Y = 1,875 Z = 0,000

1,875	101,29	98,93	96,55	96,16	95,85	95,58	94,89	93,33	90,30	86,96	84,44	81,15	77,43	71,98	67,44	60,48	62,44
X/Y	127,500	130,000	132,500	135,000	137,500	140,000	142,500	145,000	147,500	150,000	152,500	155,000	157,500	160,000	162,500	165,000	167,500

Luminance Road-UI-0 (Cross Section Italy) Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location = Luminaire Locator 170,000 ↯ 210,000
 FollowLongitudinalAndTransversal

Origin X = 0,000 Y = 1,875 Z = 0,000

1,875	61,75	56,53	62,49	57,38	55,88	58,01	51,09	52,78	44,94	41,66	42,73	40,31	45,26	42,74	43,67	43,98	39,06
X/Y	170,000	172,500	175,000	177,500	180,000	182,500	185,000	187,500	190,000	192,500	195,000	197,500	200,000	202,500	205,000	207,500	210,000

Luminance Road-UI-0 (Cross Section Italy) Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location = Luminaire Locator 212,500 ↯ 252,500
 FollowLongitudinalAndTransversal

Origin X = 0,000 Y = 1,875 Z = 0,000

1,875	37,52	30,98	28,86	27,93	28,92	29,69	29,85	29,63	29,43	28,82	28,27	27,74	27,40	27,34	26,97	26,43	25,93
X/Y	212,500	215,000	217,500	220,000	222,500	225,000	227,500	230,000	232,500	235,000	237,500	240,000	242,500	245,000	247,500	250,000	252,500

Luminance Road-UI-0 (Cross Section Italy) Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location = Luminaire Locator 255,000 ↯ 295,000
 FollowLongitudinalAndTransversal

Origin X = 0,000 Y = 1,875 Z = 0,000

1,875	25,13	24,55	23,68	22,38	21,20	20,32	19,08	18,19	17,33	16,67	16,34	15,87	15,85	15,66	15,57	15,55	15,35
X/Y	255,000	257,500	260,000	262,500	265,000	267,500	270,000	272,500	275,000	277,500	280,000	282,500	285,000	287,500	290,000	292,500	295,000

Luminance Road-UI-0 (Cross Section Italy) Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location = Luminaire Locator 297,500 ↯ 337,500
 FollowLongitudinalAndTransversal

Origin X = 0,000 Y = 1,875 Z = 0,000

1,875	15,36	15,35	15,35	15,43	15,23	15,23	15,31	15,31	15,37	15,12	15,00	14,99	14,87	14,82	14,45	14,14	13,96
X/Y	297,500	300,000	302,500	305,000	307,500	310,000	312,500	315,000	317,500	320,000	322,500	325,000	327,500	330,000	332,500	335,000	337,500

Luminance Road-UI-0 (Cross Section Italy) Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location = Luminaire Locator 340,000 ↯ 380,000
 FollowLongitudinalAndTransversal

Origin X = 0,000 Y = 1,875 Z = 0,000

1,875	13,61	13,23	12,66	12,22	12,06	11,95	11,89	11,71	11,54	11,63	11,65	11,67	11,54	11,41	11,53	11,57	11,61
X/Y	340,000	342,500	345,000	347,500	350,000	352,500	355,000	357,500	360,000	362,500	365,000	367,500	370,000	372,500	375,000	377,500	380,000

Luminance Road-UI-0 (Cross Section Italy) Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location = Luminaire Locator 382,500 ↯ 422,500
 FollowLongitudinalAndTransversal

Origin X = 0,000 Y = 1,875 Z = 0,000

1,875	11,50	11,38	11,51	11,53	11,52	11,36	11,13	11,12	10,96	10,78	10,48	10,06	9,78	9,33	8,73	8,07	7,50
X/Y	382,500	385,000	387,500	390,000	392,500	395,000	397,500	400,000	402,500	405,000	407,500	410,000	412,500	415,000	417,500	420,000	422,500

Luminance Road-UI-0 (Cross Section Italy) Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location = Luminaire Locator 425,000 ↯ 465,000
 FollowLongitudinalAndTransversal

Origin X = 0,000 Y = 1,875 Z = 0,000

1,875	7,18	6,95	6,78	6,66	6,52	6,53	6,50	6,47	6,42	6,34	6,40	6,40	6,38	6,36	6,34	6,40	6,40
X/Y	425,000	427,500	430,000	432,500	435,000	437,500	440,000	442,500	445,000	447,500	450,000	452,500	455,000	457,500	460,000	462,500	465,000

Luminance Road-UI-0 (Cross Section Italy) Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location = Luminaire Locator 467,500 ↯ 507,500
 FollowLongitudinalAndTransversal

Origin X = 0,000 Y = 1,875 Z = 0,000

1,875	6,37	6,36	6,33	6,40	6,40	6,36	6,35	6,33	6,39	6,38	6,33	6,31	6,26	6,26	6,19	6,06	6,00
X/Y	467,500	470,000	472,500	475,000	477,500	480,000	482,500	485,000	487,500	490,000	492,500	495,000	497,500	500,000	502,500	505,000	507,500

Luminance Road-UI-0 (Cross Section Italy) Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location = Luminaire Locator 510,000 ↯ 550,000
 FollowLongitudinalAndTransversal

Origin X = 0,000 Y = 1,875 Z = 0,000

1,875	5,87	5,77	5,59	5,32	5,10	4,90	4,75	4,61	4,50	4,50	4,48	4,46	4,42	4,36	4,40	4,40	4,40
X/Y	510,000	512,500	515,000	517,500	520,000	522,500	525,000	527,500	530,000	532,500	535,000	537,500	540,000	542,500	545,000	547,500	550,000

Luminance Road-UI-0 (Cross Section Italy) Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location = Luminaire Locator 552,500 ↯ 592,500
 FollowLongitudinalAndTransversal

Origin X = 0,000 Y = 1,875 Z = 0,000

1,875	4,37	4,32	4,38	4,39	4,40	4,37	4,32	4,38	4,40	4,39	4,36	4,30	4,36	4,37	4,32	4,25	4,15
X/Y	552,500	555,000	557,500	560,000	562,500	565,000	567,500	570,000	572,500	575,000	577,500	580,000	582,500	585,000	587,500	590,000	592,500

Luminance Road-UI-0 (Cross Section Italy) Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location = Luminaire Locator 595,000 ↯ 600,000
 FollowLongitudinalAndTransversal

Origin X = 0,000 Y = 1,875 Z = 0,000

1,875	4,18	4,15	4,05	3,0
X/Y	595,000	597,500	600,000	UI%

Luminance Road-UI-1 (Cross Section Italy) Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location = Luminaire Locator 0,000 ↗ 40,000
 Origin X = 0,000 Y = 5,625 Z = 0,000

5,625	98,70	121,17	137,12	143,72	143,96	144,89	146,60	144,29	146,85	145,86	144,97	147,21	144,66	146,68	146,44	144,64	147,20
X/Y	0,000	2,500	5,000	7,500	10,000	12,500	15,000	17,500	20,000	22,500	25,000	27,500	30,000	32,500	35,000	37,500	40,000

Luminance Road-UI-1 (Cross Section Italy) Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location = Luminaire Locator 42,500 ↗ 82,500
 Origin X = 0,000 Y = 5,625 Z = 0,000

5,625	144,82	146,13	146,79	144,47	147,01	145,20	145,61	147,15	144,45	146,76	145,74	145,09	147,41	144,59	146,41	146,15	144,60
X/Y	42,500	45,000	47,500	50,000	52,500	55,000	57,500	60,000	62,500	65,000	67,500	70,000	72,500	75,000	77,500	80,000	82,500

Luminance Road-UI-1 (Cross Section Italy) Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location = Luminaire Locator 85,000 ↗ 125,000
 Origin X = 0,000 Y = 5,625 Z = 0,000

5,625	147,18	144,34	144,96	144,48	140,21	139,34	133,57	129,62	127,69	124,55	124,61	125,97	126,22	124,05	120,16	115,93	112,62
X/Y	85,000	87,500	90,000	92,500	95,000	97,500	100,000	102,500	105,000	107,500	110,000	112,500	115,000	117,500	120,000	122,500	125,000

Luminance Road-UI-1 (Cross Section Italy) Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location = Luminaire Locator 127,500 ↗ 167,500
 Origin X = 0,000 Y = 5,625 Z = 0,000

5,625	110,24	107,64	105,69	105,33	104,88	104,32	103,34	101,41	97,71	93,95	90,85	87,62	83,81	78,40	73,25	66,14	67,82
X/Y	127,500	130,000	132,500	135,000	137,500	140,000	142,500	145,000	147,500	150,000	152,500	155,000	157,500	160,000	162,500	165,000	167,500

Luminance Road-UI-1 (Cross Section Italy) Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location = Luminaire Locator 170,000 ↯ 210,000
 FollowLongitudinalAndTransversal

Origin X = 0,000 Y = 5,625 Z = 0,000

5,625	67,28	63,01	67,61	62,75	61,63	62,87	56,27	56,18	48,47	45,90	47,10	45,99	50,74	48,73	50,07	50,22	45,73
X/Y	170,000	172,500	175,000	177,500	180,000	182,500	185,000	187,500	190,000	192,500	195,000	197,500	200,000	202,500	205,000	207,500	210,000

Luminance Road-UI-1 (Cross Section Italy) Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location = Luminaire Locator 212,500 ↯ 252,500
 FollowLongitudinalAndTransversal

Origin X = 0,000 Y = 5,625 Z = 0,000

5,625	42,84	36,51	34,24	33,24	34,21	34,39	34,25	33,95	33,46	33,16	32,57	32,10	31,68	31,39	31,00	30,24	29,55
X/Y	212,500	215,000	217,500	220,000	222,500	225,000	227,500	230,000	232,500	235,000	237,500	240,000	242,500	245,000	247,500	250,000	252,500

Luminance Road-UI-1 (Cross Section Italy) Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location = Luminaire Locator 255,000 ↯ 295,000
 FollowLongitudinalAndTransversal

Origin X = 0,000 Y = 5,625 Z = 0,000

5,625	28,58	27,49	26,27	24,86	23,73	22,68	21,48	20,19	19,46	19,22	19,03	18,43	17,99	17,88	18,20	18,28	17,96
X/Y	255,000	257,500	260,000	262,500	265,000	267,500	270,000	272,500	275,000	277,500	280,000	282,500	285,000	287,500	290,000	292,500	295,000

Luminance Road-UI-1 (Cross Section Italy) Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location = Luminaire Locator 297,500 ↯ 337,500
 FollowLongitudinalAndTransversal

Origin X = 0,000 Y = 5,625 Z = 0,000

5,625	17,54	17,56	17,98	18,16	17,88	17,46	17,49	17,93	18,07	17,77	17,20	17,03	17,25	17,19	16,75	16,00	15,54
X/Y	297,500	300,000	302,500	305,000	307,500	310,000	312,500	315,000	317,500	320,000	322,500	325,000	327,500	330,000	332,500	335,000	337,500

Luminance Road-UI-1 (Cross Section Italy) Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location = Luminaire Locator 340,000 ↗ 380,000
 FollowLongitudinalAndTransversal

Origin X = 0,000 Y = 5,625 Z = 0,000

5,625	15,43	15,13	14,60	13,94	13,68	13,84	13,84	13,73	13,33	13,28	13,54	13,62	13,58	13,20	13,18	13,45	13,53
X/Y	340,000	342,500	345,000	347,500	350,000	352,500	355,000	357,500	360,000	362,500	365,000	367,500	370,000	372,500	375,000	377,500	380,000

Luminance Road-UI-1 (Cross Section Italy) Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location = Luminaire Locator 382,500 ↗ 422,500
 FollowLongitudinalAndTransversal

Origin X = 0,000 Y = 5,625 Z = 0,000

5,625	13,55	13,18	13,14	13,38	13,42	13,40	12,87	12,60	12,53	12,27	12,03	11,29	10,71	10,20	9,57	9,04	8,48
X/Y	382,500	385,000	387,500	390,000	392,500	395,000	397,500	400,000	402,500	405,000	407,500	410,000	412,500	415,000	417,500	420,000	422,500

Luminance Road-UI-1 (Cross Section Italy) Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location = Luminaire Locator 425,000 ↗ 465,000
 FollowLongitudinalAndTransversal

Origin X = 0,000 Y = 5,625 Z = 0,000

5,625	8,14	7,96	7,75	7,73	7,57	7,55	7,54	7,46	7,49	7,41	7,42	7,44	7,38	7,44	7,41	7,42	7,44
X/Y	425,000	427,500	430,000	432,500	435,000	437,500	440,000	442,500	445,000	447,500	450,000	452,500	455,000	457,500	460,000	462,500	465,000

Luminance Road-UI-1 (Cross Section Italy) Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location = Luminaire Locator 467,500 ↗ 507,500
 FollowLongitudinalAndTransversal

Origin X = 0,000 Y = 5,625 Z = 0,000

5,625	7,38	7,43	7,40	7,42	7,43	7,38	7,42	7,40	7,40	7,42	7,35	7,36	7,30	7,22	7,13	6,95	6,85
X/Y	467,500	470,000	472,500	475,000	477,500	480,000	482,500	485,000	487,500	490,000	492,500	495,000	497,500	500,000	502,500	505,000	507,500

Luminance Road-UI-1 (Cross Section Italy) Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location = Luminaire Locator 510,000 ↯ 550,000
 FollowLongitudinalAndTransversal

Origin X = 0,000 Y = 5,625 Z = 0,000

5,625	6,72	6,52	6,29	5,94	5,72	5,60	5,48	5,38	5,19	5,14	5,20	5,21	5,21	5,06	5,04	5,12	5,15
X/Y	510,000	512,500	515,000	517,500	520,000	522,500	525,000	527,500	530,000	532,500	535,000	537,500	540,000	542,500	545,000	547,500	550,000

Luminance Road-UI-1 (Cross Section Italy) Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location = Luminaire Locator 552,500 ↯ 592,500
 FollowLongitudinalAndTransversal

Origin X = 0,000 Y = 5,625 Z = 0,000

5,625	5,17	5,03	5,02	5,11	5,14	5,17	5,02	5,02	5,10	5,13	5,16	5,01	4,99	5,05	5,03	5,01	4,79
X/Y	552,500	555,000	557,500	560,000	562,500	565,000	567,500	570,000	572,500	575,000	577,500	580,000	582,500	585,000	587,500	590,000	592,500

Luminance Road-UI-1 (Cross Section Italy) Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location = Luminaire Locator 595,000 ↯ 600,000
 FollowLongitudinalAndTransversal

Origin X = 0,000 Y = 5,625 Z = 0,000

5,625	4,71	4,71	4,63	3,1
X/Y	595,000	597,500	600,000	UI%

Luminance Road (Cross Section Italy) Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location = Luminaire Locator 0,000 ↯ 40,000
 FollowLongitudinalAndTransversal

Origin X = 0,000 Y = 0,625 Z = 0,000

6,875	78,14	97,56	111,64	117,60	117,83	118,59	120,39	118,02	120,36	119,52	118,70	120,76	118,39	120,05	119,99	118,46	120,82
5,625	98,70	121,17	137,12	143,72	143,96	144,89	146,60	144,29	146,85	145,86	144,97	147,21	144,66	146,68	146,44	144,64	147,20
4,375	91,09	114,15	131,75	139,02	138,97	139,98	142,04	139,40	142,21	140,93	140,14	142,58	139,73	141,73	141,49	139,86	142,75
3,125	78,47	101,03	118,43	125,73	126,29	126,72	129,61	126,71	129,09	128,34	126,80	129,96	127,06	128,67	129,04	126,59	129,77
1,875	82,69	105,84	123,15	130,47	130,78	131,31	134,07	131,13	133,51	132,83	131,60	134,63	131,50	133,04	133,53	131,35	134,69
0,625	97,80	120,80	138,02	144,78	145,00	146,04	147,84	145,46	147,98	146,85	146,21	148,44	145,76	147,70	147,37	145,90	148,42
X/Y	0,000	2,500	5,000	7,500	10,000	12,500	15,000	17,500	20,000	22,500	25,000	27,500	30,000	32,500	35,000	37,500	40,000
Min/Ave	89,0	88,6	88,1	88,1	88,1	88,1	88,0	88,0	88,1	88,1	88,1	88,0	88,0	88,1	88,0	88,1	88,0
Ave	87,82	110,09	126,69	133,55	133,80	134,59	136,76	134,17	136,67	135,72	134,74	137,26	134,52	136,31	136,31	134,46	137,28
Lave/Lcie	67,6	84,7	97,5	102,7	102,9	103,5	105,2	103,2	105,1	104,4	103,6	105,6	103,5	104,9	104,9	103,4	105,6

Luminance **Road (Cross Section Italy)** **Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location =** **Luminaire Locator** **42,500 ≤ 82,500**
FollowLongitudinalAndTransversal

Origin X = 0,000 Y = 0,625 Z = 0,000

6,875	118,62	119,60	120,43	118,27	120,67	119,07	119,19	120,81	118,20	120,38	119,50	118,74	120,85	118,35	119,90	119,84	118,38
5,625	144,82	146,13	146,79	144,47	147,01	145,20	145,61	147,15	144,45	146,76	145,74	145,09	147,41	144,59	146,41	146,15	144,60
4,375	139,92	141,16	142,00	139,66	142,60	140,45	140,67	142,47	139,53	142,21	140,98	140,21	142,65	139,62	141,55	141,38	139,80
3,125	127,21	128,13	129,63	126,65	129,45	127,83	127,48	129,99	126,79	129,12	128,43	126,93	129,98	126,91	128,54	129,01	126,60
1,875	131,75	132,44	134,04	131,17	134,19	132,34	132,02	134,40	131,22	133,59	132,95	131,68	134,62	131,35	132,93	133,50	131,31
0,625	145,93	147,22	147,86	145,73	148,24	146,36	146,74	148,32	145,65	147,95	146,82	146,29	148,58	145,70	147,49	147,19	145,83
X/Y	42,500	45,000	47,500	50,000	52,500	55,000	57,500	60,000	62,500	65,000	67,500	70,000	72,500	75,000	77,500	80,000	82,500
Min/Ave	88,1	88,1	88,0	88,0	88,1	88,1	88,1	88,1	88,0	88,1	88,0	88,1	88,0	88,0	88,1	88,0	88,1
Ave	134,71	135,78	136,79	134,32	137,03	135,21	135,28	137,19	134,31	136,67	135,74	134,82	137,35	134,42	136,14	136,18	134,42
Lave/Lcie	103,6	104,4	105,2	103,3	105,4	104,0	104,1	105,5	103,3	105,1	104,4	103,7	105,7	103,4	104,7	104,8	103,4

Luminance **Road (Cross Section Italy)** **Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location =** **Luminaire Locator** **85,000 ≤ 125,000**
FollowLongitudinalAndTransversal

Origin X = 0,000 Y = 0,625 Z = 0,000

6,875	120,76	118,28	118,79	118,76	114,98	114,66	109,62	106,58	105,25	101,99	101,68	103,05	103,66	102,24	98,77	95,14	92,60
5,625	147,18	144,34	144,96	144,48	140,21	139,34	133,57	129,62	127,69	124,55	124,61	125,97	126,22	124,05	120,16	115,93	112,62
4,375	142,65	139,47	140,23	140,17	135,98	135,64	129,41	125,77	124,43	120,41	119,97	121,33	122,57	120,89	116,74	112,53	109,26
3,125	129,65	126,79	127,39	128,21	123,74	123,65	118,13	114,42	113,67	109,69	108,98	110,13	111,22	110,34	106,51	102,98	99,95
1,875	134,53	131,31	131,69	132,50	127,94	127,81	122,28	118,53	117,37	113,29	112,89	114,27	115,42	113,95	109,89	106,02	103,11
0,625	148,36	145,49	146,14	145,72	141,57	140,67	134,66	130,78	129,15	125,60	125,52	126,61	127,23	125,45	121,42	117,13	113,70
X/Y	85,000	87,500	90,000	92,500	95,000	97,500	100,000	102,500	105,000	107,500	110,000	112,500	115,000	117,500	120,000	122,500	125,000
Min/Ave	88,0	88,1	88,1	88,0	87,9	88,0	88,0	88,1	88,0	88,0	88,0	88,2	88,1	88,0	88,0	87,9	88,0
Ave	137,19	134,28	134,87	134,97	130,74	130,29	124,61	120,95	119,59	115,92	115,61	116,89	117,72	116,15	112,25	108,29	105,21
Lave/Lcie	105,5	103,3	103,7	103,8	102,2	103,6	100,8	99,5	100,1	98,8	100,3	103,3	106,0	106,6	105,1	103,4	102,5

Luminance Road (Cross Section Italy) Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location = Luminaire Locator 127,500 ≤ 167,500
 FollowLongitudinalAndTransversal

Origin X = 0,000 Y = 0,625 Z = 0,000

6,875	90,62	88,48	86,68	86,39	86,14	85,75	85,02	83,53	80,71	77,65	75,16	72,18	69,15	64,31	60,34	54,54	55,56
5,625	110,24	107,64	105,69	105,33	104,88	104,32	103,34	101,41	97,71	93,95	90,85	87,62	83,81	78,40	73,25	66,14	67,82
4,375	107,32	104,72	102,43	102,06	101,78	101,37	100,60	98,89	95,44	91,81	89,03	85,71	82,12	75,92	71,33	64,55	65,62
3,125	98,11	95,85	93,47	93,15	92,87	92,65	92,09	90,62	87,64	83,96	81,51	78,73	75,34	69,90	65,00	58,76	60,60
1,875	101,29	98,93	96,55	96,16	95,85	95,58	94,89	93,33	90,30	86,96	84,44	81,15	77,43	71,98	67,44	60,48	62,44
0,625	111,26	108,69	106,50	106,12	105,75	105,25	104,34	102,41	98,69	95,07	92,25	88,72	84,63	79,05	74,28	66,78	68,25
X/Y	127,500	130,000	132,500	135,000	137,500	140,000	142,500	145,000	147,500	150,000	152,500	155,000	157,500	160,000	162,500	165,000	167,500
Min/Ave	87,9	87,8	88,0	88,0	88,0	88,0	87,9	87,9	88,0	88,0	87,9	87,7	87,8	87,8	87,9	88,1	87,7
Ave	103,14	100,72	98,55	98,20	97,88	97,49	96,71	95,03	91,75	88,23	85,54	82,35	78,75	73,26	68,61	61,88	63,38
Lave/Lcie	102,6	102,4	102,4	104,3	106,3	108,4	110,1	110,9	109,7	108,2	107,7	106,5	104,7	100,2	96,7	89,9	94,9

Luminance Road (Cross Section Italy) Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location = Luminaire Locator 170,000 ≤ 210,000
 FollowLongitudinalAndTransversal

Origin X = 0,000 Y = 0,625 Z = 0,000

6,875	55,19	51,37	55,63	51,68	50,11	51,68	46,03	46,62	40,04	37,34	38,36	36,81	40,83	39,05	39,75	39,88	35,75
5,625	67,28	63,01	67,61	62,75	61,63	62,87	56,27	56,18	48,47	45,90	47,10	45,99	50,74	48,73	50,07	50,22	45,73
4,375	65,50	60,27	66,00	61,17	59,03	61,46	54,11	55,54	47,53	44,01	45,51	43,12	48,36	46,08	46,81	47,36	42,11
3,125	59,67	54,35	60,02	55,55	54,00	56,23	49,34	51,03	43,52	40,20	41,29	38,72	43,58	41,06	41,99	42,43	37,55
1,875	61,75	56,53	62,49	57,38	55,88	58,01	51,09	52,78	44,94	41,66	42,73	40,31	45,26	42,74	43,67	43,98	39,06
0,625	68,23	62,83	68,43	63,44	61,71	63,87	56,11	57,08	49,06	45,99	47,54	45,42	50,72	48,44	49,67	50,12	44,86
X/Y	170,000	172,500	175,000	177,500	180,000	182,500	185,000	187,500	190,000	192,500	195,000	197,500	200,000	202,500	205,000	207,500	210,000
Min/Ave	87,7	88,5	87,8	88,1	87,8	87,6	88,3	87,6	87,8	87,8	87,7	88,2	87,7	88,1	87,7	87,3	87,5
Ave	62,94	58,06	63,36	58,66	57,06	59,02	52,16	53,20	45,59	42,52	43,76	41,73	46,58	44,35	45,33	45,67	40,84
Lave/Lcie	97,4	92,8	104,9	100,6	101,5	109,1	100,3	105,3	94,4	92,0	98,7	98,1	114,0	112,8	119,8	125,2	116,0

Luminance **Road (Cross Section Italy)** **Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location =** **Luminaire Locator** **212,500 ↯ 252,500**
Origin X = 0,000 Y = 0,625 Z = 0,000
FollowLongitudinalAndTransversal

6,875	33,75	28,30	26,16	25,32	26,01	26,38	26,40	26,08	25,66	25,56	24,99	24,57	24,28	24,00	23,97	23,38	22,76
5,625	42,84	36,51	34,24	33,24	34,21	34,39	34,25	33,95	33,46	33,16	32,57	32,10	31,68	31,39	31,00	30,24	29,55
4,375	40,22	33,67	31,25	30,50	31,38	32,04	32,08	31,75	31,37	31,08	30,32	29,79	29,50	29,19	29,12	28,29	27,67
3,125	36,06	29,57	27,49	26,64	27,67	28,41	28,69	28,31	28,31	27,74	27,24	26,72	26,17	26,30	25,98	25,45	24,96
1,875	37,52	30,98	28,86	27,93	28,92	29,69	29,85	29,63	29,43	28,82	28,27	27,74	27,40	27,34	26,97	26,43	25,93
0,625	42,48	35,84	33,55	32,73	33,52	33,96	33,91	33,56	33,12	32,67	32,10	31,72	31,35	30,93	30,54	29,92	29,33
X/Y	212,500	215,000	217,500	220,000	222,500	225,000	227,500	230,000	232,500	235,000	237,500	240,000	242,500	245,000	247,500	250,000	252,500
Min/Ave	87,0	87,1	86,5	86,1	85,9	85,6	85,5	85,4	84,9	85,7	85,4	85,4	85,5	85,1	85,8	85,7	85,2
Ave	38,81	32,48	30,26	29,39	30,29	30,81	30,86	30,55	30,22	29,84	29,25	28,77	28,40	28,19	27,93	27,28	26,70
Lave/Lcie	114,2	98,9	95,2	95,6	101,7	106,7	110,2	112,3	114,4	116,2	117,2	118,5	120,1	122,4	124,5	124,7	125,1

Luminance **Road (Cross Section Italy)** **Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location =** **Luminaire Locator** **255,000 ↯ 295,000**
Origin X = 0,000 Y = 0,625 Z = 0,000
FollowLongitudinalAndTransversal

6,875	22,12	21,29	20,69	19,47	18,36	17,61	16,74	15,71	15,09	14,76	14,49	14,27	13,92	13,75	13,87	13,86	13,86
5,625	28,58	27,49	26,27	24,86	23,73	22,68	21,48	20,19	19,46	19,22	19,03	18,43	17,99	17,88	18,20	18,28	17,96
4,375	26,96	26,03	25,22	23,69	22,50	21,53	20,39	19,13	18,36	17,91	17,56	17,20	16,81	16,71	16,83	16,76	16,69
3,125	24,19	23,69	22,86	21,66	20,47	19,74	18,44	17,55	16,75	15,97	15,75	15,25	15,19	15,07	14,85	14,96	14,71
1,875	25,13	24,55	23,68	22,38	21,20	20,32	19,08	18,19	17,33	16,67	16,34	15,87	15,85	15,66	15,57	15,55	15,35
0,625	28,36	27,28	26,16	24,77	23,62	22,56	21,27	20,08	19,39	18,91	18,67	18,14	17,80	17,77	17,89	17,88	17,64
X/Y	255,000	257,500	260,000	262,500	265,000	267,500	270,000	272,500	275,000	277,500	280,000	282,500	285,000	287,500	290,000	292,500	295,000
Min/Ave	85,5	85,0	85,7	85,4	84,8	84,9	85,6	85,0	85,1	85,6	85,4	86,4	85,6	85,2	85,6	85,5	86,4
Ave	25,89	25,05	24,15	22,80	21,65	20,74	19,56	18,47	17,73	17,24	16,98	16,53	16,26	16,14	16,20	16,21	16,04
Lave/Lcie	124,4	123,3	121,7	117,6	114,2	111,9	108,0	104,2	102,2	101,5	102,0	101,4	101,8	103,1	105,6	107,7	108,6

Luminance Road (Cross Section Italy) Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location = Luminaire Locator 297,500 ≤ 337,500
 FollowLongitudinalAndTransversal

Origin X = 0,000 Y = 0,625 Z = 0,000

6,875	13,54	13,47	13,66	13,74	13,76	13,47	13,42	13,59	13,67	13,68	13,28	13,10	13,13	13,08	13,00	12,43	12,07
5,625	17,54	17,56	17,98	18,16	17,88	17,46	17,49	17,93	18,07	17,77	17,20	17,03	17,25	17,19	16,75	16,00	15,54
4,375	16,35	16,39	16,59	16,62	16,59	16,26	16,35	16,51	16,55	16,49	16,03	15,99	15,98	15,87	15,68	15,04	14,80
3,125	14,71	14,75	14,64	14,84	14,60	14,59	14,71	14,64	14,80	14,52	14,40	14,42	14,25	14,28	13,89	13,62	13,47
1,875	15,36	15,35	15,35	15,43	15,23	15,23	15,31	15,31	15,37	15,12	15,00	14,99	14,87	14,82	14,45	14,14	13,96
0,625	17,35	17,46	17,67	17,73	17,53	17,26	17,40	17,63	17,65	17,40	17,03	16,98	17,02	16,84	16,44	15,87	15,57
X/Y	297,500	300,000	302,500	305,000	307,500	310,000	312,500	315,000	317,500	320,000	322,500	325,000	327,500	330,000	332,500	335,000	337,500
Min/Ave	85,6	85,1	85,5	85,4	86,4	85,7	85,0	85,3	85,4	86,4	85,7	85,0	85,2	85,2	86,4	85,6	84,8
Ave	15,81	15,83	15,98	16,09	15,93	15,71	15,78	15,93	16,02	15,83	15,49	15,42	15,42	15,35	15,03	14,52	14,23
Lave/Lcie	109,1	111,3	114,5	117,3	118,3	118,7	121,4	124,7	127,5	128,1	127,5	129,0	131,1	132,6	132,0	129,5	128,9

Luminance Road (Cross Section Italy) Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location = Luminaire Locator 340,000 ≤ 380,000
 FollowLongitudinalAndTransversal

Origin X = 0,000 Y = 0,625 Z = 0,000

6,875	11,87	11,56	11,32	10,78	10,55	10,55	10,52	10,59	10,27	10,22	10,31	10,33	10,44	10,16	10,13	10,25	10,27
5,625	15,43	15,13	14,60	13,94	13,68	13,84	13,84	13,73	13,33	13,28	13,54	13,62	13,58	13,20	13,18	13,45	13,53
4,375	14,50	14,08	13,66	13,01	12,86	12,81	12,75	12,71	12,35	12,43	12,50	12,53	12,54	12,22	12,32	12,42	12,46
3,125	13,12	12,80	12,20	11,76	11,58	11,46	11,46	11,24	11,07	11,13	11,17	11,25	11,08	10,92	11,02	11,09	11,18
1,875	13,61	13,23	12,66	12,22	12,06	11,95	11,89	11,71	11,54	11,63	11,65	11,67	11,54	11,41	11,53	11,57	11,61
0,625	15,29	14,85	14,32	13,79	13,61	13,60	13,54	13,41	13,16	13,19	13,27	13,32	13,25	13,05	13,08	13,17	13,25
X/Y	340,000	342,500	345,000	347,500	350,000	352,500	355,000	357,500	360,000	362,500	365,000	367,500	370,000	372,500	375,000	377,500	380,000
Min/Ave	84,9	84,9	86,2	85,7	85,2	85,3	85,3	86,6	85,9	85,3	85,4	85,2	86,5	85,9	85,3	85,5	85,2
Ave	13,97	13,61	13,13	12,58	12,39	12,37	12,33	12,23	11,95	11,98	12,07	12,12	12,07	11,83	11,88	11,99	12,05
Lave/Lcie	128,5	127,1	124,5	121,1	121,0	122,6	124,0	124,8	123,7	125,7	128,4	130,7	132,0	131,0	133,4	136,4	138,9

Luminance **Road (Cross Section Italy)** **Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location =** **Luminaire Locator** **382,500 ↯ 422,500**
FollowLongitudinalAndTransversal

Origin X = 0,000 Y = 0,625 Z = 0,000

6,875	10,40	10,15	10,11	10,21	10,19	10,26	9,93	9,73	9,65	9,43	9,33	8,85	8,41	8,04	7,46	7,05	6,60
5,625	13,55	13,18	13,14	13,38	13,42	13,40	12,87	12,60	12,53	12,27	12,03	11,29	10,71	10,20	9,57	9,04	8,48
4,375	12,49	12,21	12,29	12,38	12,37	12,32	11,95	11,85	11,72	11,50	11,24	10,71	10,31	9,83	9,16	8,55	7,98
3,125	11,05	10,88	10,98	11,06	11,11	10,93	10,64	10,64	10,53	10,41	10,10	9,64	9,42	9,05	8,49	7,83	7,21
1,875	11,50	11,38	11,51	11,53	11,52	11,36	11,13	11,12	10,96	10,78	10,48	10,06	9,78	9,33	8,73	8,07	7,50
0,625	13,22	13,03	13,04	13,11	13,15	13,07	12,75	12,55	12,35	12,13	11,83	11,24	10,74	10,17	9,54	8,97	8,40
X/Y	382,500	385,000	387,500	390,000	392,500	395,000	397,500	400,000	402,500	405,000	407,500	410,000	412,500	415,000	417,500	420,000	422,500
Min/Ave	86,4	86,0	85,3	85,5	85,2	86,3	86,0	85,2	85,5	85,1	86,1	85,9	85,0	85,2	84,6	85,4	85,8
Ave	12,04	11,80	11,84	11,94	11,96	11,89	11,54	11,42	11,29	11,09	10,83	10,30	9,90	9,44	8,82	8,25	7,69
Lave/Lcie	140,5	139,6	141,9	144,9	146,9	147,9	145,4	145,5	145,6	144,7	143,1	137,6	133,8	129,1	122,1	115,5	108,9

Luminance **Road (Cross Section Italy)** **Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location =** **Luminaire Locator** **425,000 ↯ 465,000**
FollowLongitudinalAndTransversal

Origin X = 0,000 Y = 0,625 Z = 0,000

6,875	6,30	6,16	5,97	5,94	5,83	5,79	5,82	5,72	5,73	5,68	5,68	5,73	5,66	5,68	5,67	5,67	5,73
5,625	8,14	7,96	7,75	7,73	7,57	7,55	7,54	7,46	7,49	7,41	7,42	7,44	7,38	7,44	7,41	7,42	7,44
4,375	7,63	7,45	7,22	7,14	7,02	6,99	7,01	6,92	6,90	6,85	6,85	6,91	6,84	6,85	6,84	6,85	6,91
3,125	6,90	6,69	6,53	6,42	6,21	6,26	6,24	6,22	6,18	6,03	6,13	6,13	6,13	6,13	6,03	6,13	6,14
1,875	7,18	6,95	6,78	6,66	6,52	6,53	6,50	6,47	6,42	6,34	6,40	6,40	6,38	6,36	6,34	6,40	6,40
0,625	8,05	7,84	7,64	7,60	7,47	7,43	7,40	7,34	7,36	7,30	7,30	7,30	7,27	7,31	7,30	7,29	7,30
X/Y	425,000	427,500	430,000	432,500	435,000	437,500	440,000	442,500	445,000	447,500	450,000	452,500	455,000	457,500	460,000	462,500	465,000
Min/Ave	85,5	85,9	85,5	85,9	86,2	85,7	86,2	85,6	85,8	86,1	85,6	86,2	85,6	85,7	86,0	85,6	86,2
Ave	7,37	7,17	6,98	6,92	6,77	6,76	6,75	6,69	6,68	6,60	6,63	6,65	6,61	6,63	6,60	6,63	6,65
Lave/Lcie	105,4	103,8	102,2	102,3	101,3	102,2	103,2	103,3	104,2	104,1	105,6	107,1	107,5	108,9	109,5	111,1	112,7

Luminance Road (Cross Section Italy) Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location = Luminaire Locator 467,500 ↯ 507,500
Origin X = 0,000 Y = 0,625 Z = 0,000

6,875	5,66	5,67	5,67	5,67	5,74	5,66	5,67	5,66	5,65	5,74	5,64	5,62	5,59	5,53	5,55	5,37	5,29
5,625	7,38	7,43	7,40	7,42	7,43	7,38	7,42	7,40	7,40	7,42	7,35	7,36	7,30	7,22	7,13	6,95	6,85
4,375	6,83	6,84	6,84	6,84	6,92	6,83	6,84	6,84	6,83	6,91	6,79	6,79	6,75	6,68	6,69	6,48	6,41
3,125	6,13	6,12	6,04	6,13	6,14	6,12	6,11	6,04	6,13	6,12	6,09	6,07	5,99	6,02	5,94	5,83	5,76
1,875	6,37	6,36	6,33	6,40	6,40	6,36	6,35	6,33	6,39	6,38	6,33	6,31	6,26	6,26	6,19	6,06	6,00
0,625	7,27	7,31	7,30	7,28	7,30	7,26	7,30	7,29	7,26	7,28	7,23	7,24	7,20	7,10	7,02	6,87	6,79
X/Y	467,500	470,000	472,500	475,000	477,500	480,000	482,500	485,000	487,500	490,000	492,500	495,000	497,500	500,000	502,500	505,000	507,500
Min/Ave	85,7	85,7	85,9	85,6	86,3	85,7	85,7	85,9	85,5	86,4	85,7	85,6	85,9	85,4	86,4	85,7	85,5
Ave	6,61	6,62	6,60	6,62	6,65	6,60	6,61	6,60	6,61	6,64	6,57	6,57	6,52	6,47	6,42	6,26	6,18
Lave/Lcie	113,0	114,3	115,0	116,6	118,3	118,5	119,8	120,6	122,0	123,7	123,6	124,6	124,8	125,0	125,2	123,1	122,7

Luminance Road (Cross Section Italy) Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location = Luminaire Locator 510,000 ↯ 550,000
Origin X = 0,000 Y = 0,625 Z = 0,000

6,875	5,20	5,04	4,95	4,65	4,44	4,31	4,19	4,16	4,01	3,97	3,98	3,97	4,01	3,91	3,88	3,91	3,92
5,625	6,72	6,52	6,29	5,94	5,72	5,60	5,48	5,38	5,19	5,14	5,20	5,21	5,21	5,06	5,04	5,12	5,15
4,375	6,29	6,12	5,99	5,62	5,40	5,22	5,06	4,99	4,81	4,80	4,80	4,78	4,79	4,67	4,70	4,72	4,73
3,125	5,64	5,58	5,39	5,14	4,91	4,72	4,59	4,43	4,31	4,31	4,29	4,30	4,24	4,17	4,20	4,22	4,25
1,875	5,87	5,77	5,59	5,32	5,10	4,90	4,75	4,61	4,50	4,50	4,48	4,46	4,42	4,36	4,40	4,40	4,40
0,625	6,63	6,43	6,22	5,93	5,69	5,50	5,36	5,26	5,12	5,09	5,08	5,09	5,07	4,99	4,99	5,01	5,03
X/Y	510,000	512,500	515,000	517,500	520,000	522,500	525,000	527,500	530,000	532,500	535,000	537,500	540,000	542,500	545,000	547,500	550,000
Min/Ave	85,8	85,3	86,2	85,5	85,2	85,4	85,4	86,6	86,1	85,6	85,7	85,6	86,8	86,3	85,6	85,7	85,5
Ave	6,06	5,91	5,74	5,43	5,21	5,04	4,91	4,81	4,66	4,63	4,64	4,64	4,62	4,53	4,54	4,56	4,58
Lave/Lcie	121,3	119,4	116,9	111,7	108,0	105,4	103,5	102,2	99,8	100,2	101,1	101,9	102,5	101,1	102,2	103,6	104,8

Luminance Road (Cross Section Italy) Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location = Luminaire Locator 552,500 ↯ 592,500
 Origin X = 0,000 Y = 0,625 Z = 0,000
 FollowLongitudinalAndTransversal

6,875	3,97	3,88	3,86	3,91	3,91	3,96	3,88	3,86	3,91	3,91	3,95	3,87	3,84	3,88	3,84	3,84	3,72
5,625	5,17	5,03	5,02	5,11	5,14	5,17	5,02	5,02	5,10	5,13	5,16	5,01	4,99	5,05	5,03	5,01	4,79
4,375	4,73	4,64	4,68	4,72	4,72	4,73	4,64	4,67	4,72	4,72	4,71	4,63	4,65	4,69	4,64	4,59	4,46
3,125	4,19	4,12	4,17	4,21	4,24	4,19	4,11	4,17	4,22	4,24	4,19	4,09	4,15	4,19	4,17	4,10	3,94
1,875	4,37	4,32	4,38	4,39	4,40	4,37	4,32	4,38	4,40	4,39	4,36	4,30	4,36	4,37	4,32	4,25	4,15
0,625	5,03	4,96	4,96	5,00	5,03	5,03	4,96	4,96	5,00	5,02	5,03	4,95	4,93	4,95	4,94	4,90	4,75
X/Y	552,500	555,000	557,500	560,000	562,500	565,000	567,500	570,000	572,500	575,000	577,500	580,000	582,500	585,000	587,500	590,000	592,500
Min/Ave	86,6	86,4	85,6	85,8	85,5	86,6	86,4	85,6	85,8	85,6	86,5	86,4	85,7	85,8	85,6	86,4	86,5
Ave	4,58	4,49	4,51	4,56	4,58	4,57	4,49	4,51	4,56	4,57	4,56	4,47	4,49	4,52	4,49	4,45	4,30
Lave/Lcie	105,6	104,4	105,8	107,6	108,9	109,7	108,5	109,9	111,9	113,0	113,8	112,3	113,5	115,2	115,3	115,0	112,1

Luminance Road (Cross Section Italy) Observer dX = -86,000 Y = 1,875 dZ = 1,500 Location = Luminaire Locator 595,000 ↯ 600,000
 Origin X = 0,000 Y = 0,625 Z = 0,000
 FollowLongitudinalAndTransversal

6,875	3,65	3,66	3,57
5,625	4,71	4,71	4,63
4,375	4,43	4,43	4,33
3,125	3,98	3,99	3,92
1,875	4,18	4,15	4,05
0,625	4,67	4,64	4,56
X/Y	595,000	597,500	600,000
Min/Ave	85,6	85,7	85,5
Ave	4,27	4,26	4,18
Lave/Lcie	112,0	112,7	111,2

Luminance **Road (Cross Section Italy)** **Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location =** **Luminaire Locator** **0,000 ≤ 40,000**
FollowLongitudinalAndTransversal

Origin X = 0,000 Y = 0,625 Z = 0,000

6,875	78,14	97,56	111,64	117,60	117,83	118,59	120,39	118,02	120,36	119,52	118,70	120,76	118,39	120,05	119,99	118,46	120,82
5,625	98,70	121,17	137,12	143,72	143,96	144,89	146,60	144,29	146,85	145,86	144,97	147,21	144,66	146,68	146,44	144,64	147,20
4,375	91,09	114,15	131,75	139,02	138,97	139,98	142,04	139,40	142,21	140,93	140,14	142,58	139,73	141,73	141,49	139,86	142,75
3,125	78,47	101,03	118,43	125,73	126,29	126,72	129,61	126,71	129,09	128,34	126,80	129,96	127,06	128,67	129,04	126,59	129,77
1,875	82,69	105,84	123,15	130,47	130,78	131,31	134,07	131,13	133,51	132,83	131,60	134,63	131,50	133,04	133,53	131,35	134,69
0,625	97,80	120,80	138,02	144,78	145,00	146,04	147,84	145,46	147,98	146,85	146,21	148,44	145,76	147,70	147,37	145,90	148,42
X/Y	0,000	2,500	5,000	7,500	10,000	12,500	15,000	17,500	20,000	22,500	25,000	27,500	30,000	32,500	35,000	37,500	40,000
Min/Ave	89,0	88,6	88,1	88,1	88,1	88,1	88,0	88,0	88,1	88,1	88,1	88,0	88,0	88,1	88,0	88,1	88,0
Ave	87,82	110,09	126,69	133,55	133,80	134,59	136,76	134,17	136,67	135,72	134,74	137,26	134,52	136,31	136,31	134,46	137,28
Lave/Lcie	67,6	84,7	97,5	102,7	102,9	103,5	105,2	103,2	105,1	104,4	103,6	105,6	103,5	104,9	104,9	103,4	105,6

Luminance **Road (Cross Section Italy)** **Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location =** **Luminaire Locator** **42,500 ≤ 82,500**
FollowLongitudinalAndTransversal

Origin X = 0,000 Y = 0,625 Z = 0,000

6,875	118,62	119,60	120,43	118,27	120,67	119,07	119,19	120,81	118,20	120,38	119,50	118,74	120,85	118,35	119,90	119,84	118,38
5,625	144,82	146,13	146,79	144,47	147,01	145,20	145,61	147,15	144,45	146,76	145,74	145,09	147,41	144,59	146,41	146,15	144,60
4,375	139,92	141,16	142,00	139,66	142,60	140,45	140,67	142,47	139,53	142,21	140,98	140,21	142,65	139,62	141,55	141,38	139,80
3,125	127,21	128,13	129,63	126,65	129,45	127,83	127,48	129,99	126,79	129,12	128,43	126,93	129,98	126,91	128,54	129,01	126,60
1,875	131,75	132,44	134,04	131,17	134,19	132,34	132,02	134,40	131,22	133,59	132,95	131,68	134,62	131,35	132,93	133,50	131,31
0,625	145,93	147,22	147,86	145,73	148,24	146,36	146,74	148,32	145,65	147,95	146,82	146,29	148,58	145,70	147,49	147,19	145,83
X/Y	42,500	45,000	47,500	50,000	52,500	55,000	57,500	60,000	62,500	65,000	67,500	70,000	72,500	75,000	77,500	80,000	82,500
Min/Ave	88,1	88,1	88,0	88,0	88,1	88,1	88,1	88,1	88,0	88,1	88,0	88,1	88,0	88,0	88,1	88,0	88,1
Ave	134,71	135,78	136,79	134,32	137,03	135,21	135,28	137,19	134,31	136,67	135,74	134,82	137,35	134,42	136,14	136,18	134,42
Lave/Lcie	103,6	104,4	105,2	103,3	105,4	104,0	104,1	105,5	103,3	105,1	104,4	103,7	105,7	103,4	104,7	104,8	103,4

Luminance **Road (Cross Section Italy)** **Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location =** **Luminaire Locator** **85,000 ≤ 125,000**
Origin X = 0,000 Y = 0,625 Z = 0,000
FollowLongitudinalAndTransversal

6,875	120,76	118,28	118,79	118,76	114,98	114,66	109,62	106,58	105,25	101,99	101,68	103,05	103,66	102,24	98,77	95,14	92,60
5,625	147,18	144,34	144,96	144,48	140,21	139,34	133,57	129,62	127,69	124,55	124,61	125,97	126,22	124,05	120,16	115,93	112,62
4,375	142,65	139,47	140,23	140,17	135,98	135,64	129,41	125,77	124,43	120,41	119,97	121,33	122,57	120,89	116,74	112,53	109,26
3,125	129,65	126,79	127,39	128,21	123,74	123,65	118,13	114,42	113,67	109,69	108,98	110,13	111,22	110,34	106,51	102,98	99,95
1,875	134,53	131,31	131,69	132,50	127,94	127,81	122,28	118,53	117,37	113,29	112,89	114,27	115,42	113,95	109,89	106,02	103,11
0,625	148,36	145,49	146,14	145,72	141,57	140,67	134,66	130,78	129,15	125,60	125,52	126,61	127,23	125,45	121,42	117,13	113,70
X/Y	85,000	87,500	90,000	92,500	95,000	97,500	100,000	102,500	105,000	107,500	110,000	112,500	115,000	117,500	120,000	122,500	125,000
Min/Ave	88,0	88,1	88,1	88,0	87,9	88,0	88,0	88,1	88,0	88,0	88,0	88,2	88,1	88,0	88,0	87,9	88,0
Ave	137,19	134,28	134,87	134,97	130,74	130,29	124,61	120,95	119,59	115,92	115,61	116,89	117,72	116,15	112,25	108,29	105,21
Lave/Lcie	105,5	103,3	103,7	103,8	102,2	103,6	100,8	99,5	100,1	98,8	100,3	103,3	106,0	106,6	105,1	103,4	102,5

Luminance **Road (Cross Section Italy)** **Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location =** **Luminaire Locator** **127,500 ≤ 167,500**
Origin X = 0,000 Y = 0,625 Z = 0,000
FollowLongitudinalAndTransversal

6,875	90,62	88,48	86,68	86,39	86,14	85,75	85,02	83,53	80,71	77,65	75,16	72,18	69,15	64,31	60,34	54,54	55,56
5,625	110,24	107,64	105,69	105,33	104,88	104,32	103,34	101,41	97,71	93,95	90,85	87,62	83,81	78,40	73,25	66,14	67,82
4,375	107,32	104,72	102,43	102,06	101,78	101,37	100,60	98,89	95,44	91,81	89,03	85,71	82,12	75,92	71,33	64,55	65,62
3,125	98,11	95,85	93,47	93,15	92,87	92,65	92,09	90,62	87,64	83,96	81,51	78,73	75,34	69,90	65,00	58,76	60,60
1,875	101,29	98,93	96,55	96,16	95,85	95,58	94,89	93,33	90,30	86,96	84,44	81,15	77,43	71,98	67,44	60,48	62,44
0,625	111,26	108,69	106,50	106,12	105,75	105,25	104,34	102,41	98,69	95,07	92,25	88,72	84,63	79,05	74,28	66,78	68,25
X/Y	127,500	130,000	132,500	135,000	137,500	140,000	142,500	145,000	147,500	150,000	152,500	155,000	157,500	160,000	162,500	165,000	167,500
Min/Ave	87,9	87,8	88,0	88,0	88,0	88,0	87,9	87,9	88,0	88,0	87,9	87,7	87,8	87,8	87,9	88,1	87,7
Ave	103,14	100,72	98,55	98,20	97,88	97,49	96,71	95,03	91,75	88,23	85,54	82,35	78,75	73,26	68,61	61,88	63,38
Lave/Lcie	102,6	102,4	102,4	104,3	106,3	108,4	110,1	110,9	109,7	108,2	107,7	106,5	104,7	100,2	96,7	89,9	94,9

Luminance Road (Cross Section Italy) Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location = Luminaire Locator 170,000 ≤ 210,000
 FollowLongitudinalAndTransversal

Origin X = 0,000 Y = 0,625 Z = 0,000

6,875	55,19	51,37	55,63	51,68	50,11	51,68	46,03	46,62	40,04	37,34	38,36	36,81	40,83	39,05	39,75	39,88	35,75
5,625	67,28	63,01	67,61	62,75	61,63	62,87	56,27	56,18	48,47	45,90	47,10	45,99	50,74	48,73	50,07	50,22	45,73
4,375	65,50	60,27	66,00	61,17	59,03	61,46	54,11	55,54	47,53	44,01	45,51	43,12	48,36	46,08	46,81	47,36	42,11
3,125	59,67	54,35	60,02	55,55	54,00	56,23	49,34	51,03	43,52	40,20	41,29	38,72	43,58	41,06	41,99	42,43	37,55
1,875	61,75	56,53	62,49	57,38	55,88	58,01	51,09	52,78	44,94	41,66	42,73	40,31	45,26	42,74	43,67	43,98	39,06
0,625	68,23	62,83	68,43	63,44	61,71	63,87	56,11	57,08	49,06	45,99	47,54	45,42	50,72	48,44	49,67	50,12	44,86
X/Y	170,000	172,500	175,000	177,500	180,000	182,500	185,000	187,500	190,000	192,500	195,000	197,500	200,000	202,500	205,000	207,500	210,000
Min/Ave	87,7	88,5	87,8	88,1	87,8	87,6	88,3	87,6	87,8	87,8	87,7	88,2	87,7	88,1	87,7	87,3	87,5
Ave	62,94	58,06	63,36	58,66	57,06	59,02	52,16	53,20	45,59	42,52	43,76	41,73	46,58	44,35	45,33	45,67	40,84
Lave/Lcie	97,4	92,8	104,9	100,6	101,5	109,1	100,3	105,3	94,4	92,0	98,7	98,1	114,0	112,8	119,8	125,2	116,0

Luminance Road (Cross Section Italy) Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location = Luminaire Locator 212,500 ≤ 252,500
 FollowLongitudinalAndTransversal

Origin X = 0,000 Y = 0,625 Z = 0,000

6,875	33,75	28,30	26,16	25,32	26,01	26,38	26,40	26,08	25,66	25,56	24,99	24,57	24,28	24,00	23,97	23,38	22,76
5,625	42,84	36,51	34,24	33,24	34,21	34,39	34,25	33,95	33,46	33,16	32,57	32,10	31,68	31,39	31,00	30,24	29,55
4,375	40,22	33,67	31,25	30,50	31,38	32,04	32,08	31,75	31,37	31,08	30,32	29,79	29,50	29,19	29,12	28,29	27,67
3,125	36,06	29,57	27,49	26,64	27,67	28,41	28,69	28,31	28,31	27,74	27,24	26,72	26,17	26,30	25,98	25,45	24,96
1,875	37,52	30,98	28,86	27,93	28,92	29,69	29,85	29,63	29,43	28,82	28,27	27,74	27,40	27,34	26,97	26,43	25,93
0,625	42,48	35,84	33,55	32,73	33,52	33,96	33,91	33,56	33,12	32,67	32,10	31,72	31,35	30,93	30,54	29,92	29,33
X/Y	212,500	215,000	217,500	220,000	222,500	225,000	227,500	230,000	232,500	235,000	237,500	240,000	242,500	245,000	247,500	250,000	252,500
Min/Ave	87,0	87,1	86,5	86,1	85,9	85,6	85,5	85,4	84,9	85,7	85,4	85,4	85,5	85,1	85,8	85,7	85,2
Ave	38,81	32,48	30,26	29,39	30,29	30,81	30,86	30,55	30,22	29,84	29,25	28,77	28,40	28,19	27,93	27,28	26,70
Lave/Lcie	114,2	98,9	95,2	95,6	101,7	106,7	110,2	112,3	114,4	116,2	117,2	118,5	120,1	122,4	124,5	124,7	125,1

Luminance Road (Cross Section Italy) Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location = Luminaire Locator 255,000 ≤ 295,000
 FollowLongitudinalAndTransversal

Origin X = 0,000 Y = 0,625 Z = 0,000

6,875	22,12	21,29	20,69	19,47	18,36	17,61	16,74	15,71	15,09	14,76	14,49	14,27	13,92	13,75	13,87	13,86	13,86
5,625	28,58	27,49	26,27	24,86	23,73	22,68	21,48	20,19	19,46	19,22	19,03	18,43	17,99	17,88	18,20	18,28	17,96
4,375	26,96	26,03	25,22	23,69	22,50	21,53	20,39	19,13	18,36	17,91	17,56	17,20	16,81	16,71	16,83	16,76	16,69
3,125	24,19	23,69	22,86	21,66	20,47	19,74	18,44	17,55	16,75	15,97	15,75	15,25	15,19	15,07	14,85	14,96	14,71
1,875	25,13	24,55	23,68	22,38	21,20	20,32	19,08	18,19	17,33	16,67	16,34	15,87	15,85	15,66	15,57	15,55	15,35
0,625	28,36	27,28	26,16	24,77	23,62	22,56	21,27	20,08	19,39	18,91	18,67	18,14	17,80	17,77	17,89	17,88	17,64
X/Y	255,000	257,500	260,000	262,500	265,000	267,500	270,000	272,500	275,000	277,500	280,000	282,500	285,000	287,500	290,000	292,500	295,000
Min/Ave	85,5	85,0	85,7	85,4	84,8	84,9	85,6	85,0	85,1	85,6	85,4	86,4	85,6	85,2	85,6	85,5	86,4
Ave	25,89	25,05	24,15	22,80	21,65	20,74	19,56	18,47	17,73	17,24	16,98	16,53	16,26	16,14	16,20	16,21	16,04
Lave/Lcie	124,4	123,3	121,7	117,6	114,2	111,9	108,0	104,2	102,2	101,5	102,0	101,4	101,8	103,1	105,6	107,7	108,6

Luminance Road (Cross Section Italy) Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location = Luminaire Locator 297,500 ≤ 337,500
 FollowLongitudinalAndTransversal

Origin X = 0,000 Y = 0,625 Z = 0,000

6,875	13,54	13,47	13,66	13,74	13,76	13,47	13,42	13,59	13,67	13,68	13,28	13,10	13,13	13,08	13,00	12,43	12,07
5,625	17,54	17,56	17,98	18,16	17,88	17,46	17,49	17,93	18,07	17,77	17,20	17,03	17,25	17,19	16,75	16,00	15,54
4,375	16,35	16,39	16,59	16,62	16,59	16,26	16,35	16,51	16,55	16,49	16,03	15,99	15,98	15,87	15,68	15,04	14,80
3,125	14,71	14,75	14,64	14,84	14,60	14,59	14,71	14,64	14,80	14,52	14,40	14,42	14,25	14,28	13,89	13,62	13,47
1,875	15,36	15,35	15,35	15,43	15,23	15,23	15,31	15,31	15,37	15,12	15,00	14,99	14,87	14,82	14,45	14,14	13,96
0,625	17,35	17,46	17,67	17,73	17,53	17,26	17,40	17,63	17,65	17,40	17,03	16,98	17,02	16,84	16,44	15,87	15,57
X/Y	297,500	300,000	302,500	305,000	307,500	310,000	312,500	315,000	317,500	320,000	322,500	325,000	327,500	330,000	332,500	335,000	337,500
Min/Ave	85,6	85,1	85,5	85,4	86,4	85,7	85,0	85,3	85,4	86,4	85,7	85,0	85,2	85,2	86,4	85,6	84,8
Ave	15,81	15,83	15,98	16,09	15,93	15,71	15,78	15,93	16,02	15,83	15,49	15,42	15,42	15,35	15,03	14,52	14,23
Lave/Lcie	109,1	111,3	114,5	117,3	118,3	118,7	121,4	124,7	127,5	128,1	127,5	129,0	131,1	132,6	132,0	129,5	128,9

Luminance **Road (Cross Section Italy)** **Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location =** **Luminaire Locator** **340,000 ≤ 380,000**
Origin X = 0,000 Y = 0,625 Z = 0,000
FollowLongitudinalAndTransversal

6,875	11,87	11,56	11,32	10,78	10,55	10,55	10,52	10,59	10,27	10,22	10,31	10,33	10,44	10,16	10,13	10,25	10,27
5,625	15,43	15,13	14,60	13,94	13,68	13,84	13,84	13,73	13,33	13,28	13,54	13,62	13,58	13,20	13,18	13,45	13,53
4,375	14,50	14,08	13,66	13,01	12,86	12,81	12,75	12,71	12,35	12,43	12,50	12,53	12,54	12,22	12,32	12,42	12,46
3,125	13,12	12,80	12,20	11,76	11,58	11,46	11,46	11,24	11,07	11,13	11,17	11,25	11,08	10,92	11,02	11,09	11,18
1,875	13,61	13,23	12,66	12,22	12,06	11,95	11,89	11,71	11,54	11,63	11,65	11,67	11,54	11,41	11,53	11,57	11,61
0,625	15,29	14,85	14,32	13,79	13,61	13,60	13,54	13,41	13,16	13,19	13,27	13,32	13,25	13,05	13,08	13,17	13,25
X/Y	340,000	342,500	345,000	347,500	350,000	352,500	355,000	357,500	360,000	362,500	365,000	367,500	370,000	372,500	375,000	377,500	380,000
Min/Ave	84,9	84,9	86,2	85,7	85,2	85,3	85,3	86,6	85,9	85,3	85,4	85,2	86,5	85,9	85,3	85,5	85,2
Ave	13,97	13,61	13,13	12,58	12,39	12,37	12,33	12,23	11,95	11,98	12,07	12,12	12,07	11,83	11,88	11,99	12,05
Lave/Lcie	128,5	127,1	124,5	121,1	121,0	122,6	124,0	124,8	123,7	125,7	128,4	130,7	132,0	131,0	133,4	136,4	138,9

Luminance **Road (Cross Section Italy)** **Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location =** **Luminaire Locator** **382,500 ≤ 422,500**
Origin X = 0,000 Y = 0,625 Z = 0,000
FollowLongitudinalAndTransversal

6,875	10,40	10,15	10,11	10,21	10,19	10,26	9,93	9,73	9,65	9,43	9,33	8,85	8,41	8,04	7,46	7,05	6,60
5,625	13,55	13,18	13,14	13,38	13,42	13,40	12,87	12,60	12,53	12,27	12,03	11,29	10,71	10,20	9,57	9,04	8,48
4,375	12,49	12,21	12,29	12,38	12,37	12,32	11,95	11,85	11,72	11,50	11,24	10,71	10,31	9,83	9,16	8,55	7,98
3,125	11,05	10,88	10,98	11,06	11,11	10,93	10,64	10,64	10,53	10,41	10,10	9,64	9,42	9,05	8,49	7,83	7,21
1,875	11,50	11,38	11,51	11,53	11,52	11,36	11,13	11,12	10,96	10,78	10,48	10,06	9,78	9,33	8,73	8,07	7,50
0,625	13,22	13,03	13,04	13,11	13,15	13,07	12,75	12,55	12,35	12,13	11,83	11,24	10,74	10,17	9,54	8,97	8,40
X/Y	382,500	385,000	387,500	390,000	392,500	395,000	397,500	400,000	402,500	405,000	407,500	410,000	412,500	415,000	417,500	420,000	422,500
Min/Ave	86,4	86,0	85,3	85,5	85,2	86,3	86,0	85,2	85,5	85,1	86,1	85,9	85,0	85,2	84,6	85,4	85,8
Ave	12,04	11,80	11,84	11,94	11,96	11,89	11,54	11,42	11,29	11,09	10,83	10,30	9,90	9,44	8,82	8,25	7,69
Lave/Lcie	140,5	139,6	141,9	144,9	146,9	147,9	145,4	145,5	145,6	144,7	143,1	137,6	133,8	129,1	122,1	115,5	108,9

Luminance Road (Cross Section Italy) Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location = Luminaire Locator 425,000 ≤ 465,000
Origin X = 0,000 Y = 0,625 Z = 0,000

6,875	6,30	6,16	5,97	5,94	5,83	5,79	5,82	5,72	5,73	5,68	5,68	5,73	5,66	5,68	5,67	5,67	5,73
5,625	8,14	7,96	7,75	7,73	7,57	7,55	7,54	7,46	7,49	7,41	7,42	7,44	7,38	7,44	7,41	7,42	7,44
4,375	7,63	7,45	7,22	7,14	7,02	6,99	7,01	6,92	6,90	6,85	6,85	6,91	6,84	6,85	6,84	6,85	6,91
3,125	6,90	6,69	6,53	6,42	6,21	6,26	6,24	6,22	6,18	6,03	6,13	6,13	6,13	6,13	6,03	6,13	6,14
1,875	7,18	6,95	6,78	6,66	6,52	6,53	6,50	6,47	6,42	6,34	6,40	6,40	6,38	6,36	6,34	6,40	6,40
0,625	8,05	7,84	7,64	7,60	7,47	7,43	7,40	7,34	7,36	7,30	7,30	7,30	7,27	7,31	7,30	7,29	7,30
X/Y	425,000	427,500	430,000	432,500	435,000	437,500	440,000	442,500	445,000	447,500	450,000	452,500	455,000	457,500	460,000	462,500	465,000
Min/Ave	85,5	85,9	85,5	85,9	86,2	85,7	86,2	85,6	85,8	86,1	85,6	86,2	85,6	85,7	86,0	85,6	86,2
Ave	7,37	7,17	6,98	6,92	6,77	6,76	6,75	6,69	6,68	6,60	6,63	6,65	6,61	6,63	6,60	6,63	6,65
Lave/Lcie	105,4	103,8	102,2	102,3	101,3	102,2	103,2	103,3	104,2	104,1	105,6	107,1	107,5	108,9	109,5	111,1	112,7

Luminance Road (Cross Section Italy) Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location = Luminaire Locator 467,500 ≤ 507,500
Origin X = 0,000 Y = 0,625 Z = 0,000

6,875	5,66	5,67	5,67	5,67	5,74	5,66	5,67	5,66	5,65	5,74	5,64	5,62	5,59	5,53	5,55	5,37	5,29
5,625	7,38	7,43	7,40	7,42	7,43	7,38	7,42	7,40	7,40	7,42	7,35	7,36	7,30	7,22	7,13	6,95	6,85
4,375	6,83	6,84	6,84	6,84	6,92	6,83	6,84	6,84	6,83	6,91	6,79	6,79	6,75	6,68	6,69	6,48	6,41
3,125	6,13	6,12	6,04	6,13	6,14	6,12	6,11	6,04	6,13	6,12	6,09	6,07	5,99	6,02	5,94	5,83	5,76
1,875	6,37	6,36	6,33	6,40	6,40	6,36	6,35	6,33	6,39	6,38	6,33	6,31	6,26	6,26	6,19	6,06	6,00
0,625	7,27	7,31	7,30	7,28	7,30	7,26	7,30	7,29	7,26	7,28	7,23	7,24	7,20	7,10	7,02	6,87	6,79
X/Y	467,500	470,000	472,500	475,000	477,500	480,000	482,500	485,000	487,500	490,000	492,500	495,000	497,500	500,000	502,500	505,000	507,500
Min/Ave	85,7	85,7	85,9	85,6	86,3	85,7	85,7	85,9	85,5	86,4	85,7	85,6	85,9	85,4	86,4	85,7	85,5
Ave	6,61	6,62	6,60	6,62	6,65	6,60	6,61	6,60	6,61	6,64	6,57	6,57	6,52	6,47	6,42	6,26	6,18
Lave/Lcie	113,0	114,3	115,0	116,6	118,3	118,5	119,8	120,6	122,0	123,7	123,6	124,6	124,8	125,0	125,2	123,1	122,7

Luminance **Road (Cross Section Italy)** **Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location =** **Luminaire Locator** **510,000 ↯ 550,000**
Origin X = 0,000 Y = 0,625 Z = 0,000
FollowLongitudinalAndTransversal

6,875	5,20	5,04	4,95	4,65	4,44	4,31	4,19	4,16	4,01	3,97	3,98	3,97	4,01	3,91	3,88	3,91	3,92
5,625	6,72	6,52	6,29	5,94	5,72	5,60	5,48	5,38	5,19	5,14	5,20	5,21	5,21	5,06	5,04	5,12	5,15
4,375	6,29	6,12	5,99	5,62	5,40	5,22	5,06	4,99	4,81	4,80	4,80	4,78	4,79	4,67	4,70	4,72	4,73
3,125	5,64	5,58	5,39	5,14	4,91	4,72	4,59	4,43	4,31	4,31	4,29	4,30	4,24	4,17	4,20	4,22	4,25
1,875	5,87	5,77	5,59	5,32	5,10	4,90	4,75	4,61	4,50	4,50	4,48	4,46	4,42	4,36	4,40	4,40	4,40
0,625	6,63	6,43	6,22	5,93	5,69	5,50	5,36	5,26	5,12	5,09	5,08	5,09	5,07	4,99	4,99	5,01	5,03
X/Y	510,000	512,500	515,000	517,500	520,000	522,500	525,000	527,500	530,000	532,500	535,000	537,500	540,000	542,500	545,000	547,500	550,000
Min/Ave	85,8	85,3	86,2	85,5	85,2	85,4	85,4	86,6	86,1	85,6	85,7	85,6	86,8	86,3	85,6	85,7	85,5
Ave	6,06	5,91	5,74	5,43	5,21	5,04	4,91	4,81	4,66	4,63	4,64	4,64	4,62	4,53	4,54	4,56	4,58
Lave/Lcie	121,3	119,4	116,9	111,7	108,0	105,4	103,5	102,2	99,8	100,2	101,1	101,9	102,5	101,1	102,2	103,6	104,8

Luminance **Road (Cross Section Italy)** **Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location =** **Luminaire Locator** **552,500 ↯ 592,500**
Origin X = 0,000 Y = 0,625 Z = 0,000
FollowLongitudinalAndTransversal

6,875	3,97	3,88	3,86	3,91	3,91	3,96	3,88	3,86	3,91	3,91	3,95	3,87	3,84	3,88	3,84	3,84	3,72
5,625	5,17	5,03	5,02	5,11	5,14	5,17	5,02	5,02	5,10	5,13	5,16	5,01	4,99	5,05	5,03	5,01	4,79
4,375	4,73	4,64	4,68	4,72	4,72	4,73	4,64	4,67	4,72	4,72	4,71	4,63	4,65	4,69	4,64	4,59	4,46
3,125	4,19	4,12	4,17	4,21	4,24	4,19	4,11	4,17	4,22	4,24	4,19	4,09	4,15	4,19	4,17	4,10	3,94
1,875	4,37	4,32	4,38	4,39	4,40	4,37	4,32	4,38	4,40	4,39	4,36	4,30	4,36	4,37	4,32	4,25	4,15
0,625	5,03	4,96	4,96	5,00	5,03	5,03	4,96	4,96	5,00	5,02	5,03	4,95	4,93	4,95	4,94	4,90	4,75
X/Y	552,500	555,000	557,500	560,000	562,500	565,000	567,500	570,000	572,500	575,000	577,500	580,000	582,500	585,000	587,500	590,000	592,500
Min/Ave	86,6	86,4	85,6	85,8	85,5	86,6	86,4	85,6	85,8	85,6	86,5	86,4	85,7	85,8	85,6	86,4	86,5
Ave	4,58	4,49	4,51	4,56	4,58	4,57	4,49	4,51	4,56	4,57	4,56	4,47	4,49	4,52	4,49	4,45	4,30
Lave/Lcie	105,6	104,4	105,8	107,6	108,9	109,7	108,5	109,9	111,9	113,0	113,8	112,3	113,5	115,2	115,3	115,0	112,1

Luminance **Road (Cross Section Italy)** **Observer dX = -86,000 Y = 5,625 dZ = 1,500 Location =** **Luminaire Locator** **595,000 ↗ 600,000**
FollowLongitudinalAndTransversal

Origin X = 0,000 Y = 0,625 Z = 0,000

6,875	3,65	3,66	3,57
5,625	4,71	4,71	4,63
4,375	4,43	4,43	4,33
3,125	3,98	3,99	3,92
1,875	4,18	4,15	4,05
0,625	4,67	4,64	4,56
X/Y	595,000	597,500	600,000
Min/Ave	85,6	85,7	85,5
Ave	4,27	4,26	4,18
Lave/Lcie	112,0	112,7	111,2

Luminance (Lambert) **Wall Left (Cross Section Italy)** **Luminaire Locator** **0,000 ↗ 40,000**

Origin X = 0,000 Y = 0,000 Z = 0,000

1,700	41,37	78,57	115,59	132,17	133,15	135,01	138,38	135,50	138,44	136,11	135,62	139,51	135,43	137,72	137,01	135,36	139,82
1,000	53,36	88,34	122,16	138,25	139,83	141,77	145,62	142,56	145,57	143,55	142,61	146,86	142,67	144,84	144,47	142,43	147,11
X/Y	0,000	2,500	5,000	7,500	10,000	12,500	15,000	17,500	20,000	22,500	25,000	27,500	30,000	32,500	35,000	37,500	40,000
Min/Ave	87,3	94,1	97,2	97,8	97,6	97,6	97,5	97,5	97,5	97,3	97,5	97,4	97,4	97,5	97,3	97,5	97,5
Ave	47,37	83,46	118,88	135,21	136,49	138,39	142,00	139,03	142,01	139,83	139,12	143,19	139,05	141,28	140,74	138,90	143,47

Luminance (Lambert) **Wall Left (Cross Section Italy)** **Luminaire Locator** **42,500 ↗ 82,500**

Origin X = 0,000 Y = 0,000 Z = 0,000

1,700	135,14	136,86	137,85	135,15	139,00	135,96	136,52	138,67	134,90	138,18	136,77	136,30	139,45	134,67	137,34	137,58	136,03
1,000	142,51	143,92	145,30	142,29	146,27	143,34	143,50	146,08	142,13	145,39	144,20	143,27	146,80	141,97	144,48	145,00	143,06
X/Y	42,500	45,000	47,500	50,000	52,500	55,000	57,500	60,000	62,500	65,000	67,500	70,000	72,500	75,000	77,500	80,000	82,500
Min/Ave	97,3	97,5	97,4	97,4	97,5	97,4	97,5	97,4	97,4	97,5	97,4	97,5	97,4	97,4	97,5	97,4	97,5
Ave	138,82	140,39	141,58	138,72	142,63	139,65	140,01	142,38	138,52	141,79	140,49	139,79	143,12	138,32	140,91	141,29	139,54

Luminaire Locator **85,000** \leq **125,000**

Luminaire Locator **127,500** \leq **167,500**

Luminaire Locator **170,000** \leq **210,000**

Luminaire Locator **212,500** \leq **252,500**

Luminescence (Lambert) **Wall Left (Cross Section Italy)**

Origin X = 0,000 Y = 0,000 Z = 0,000

1,700	139,75	134,35	136,39	138,22	135,34	137,35	130,61	126,72	125,45	117,04	115,41	116,60	120,67	120,65	115,77	113,54	111,27
1,000	147,03	141,76	143,41	145,45	141,96	143,64	136,76	132,21	130,45	123,70	122,93	123,54	126,23	125,50	121,54	119,84	117,18
X/Y	85,000	87,500	90,000	92,500	95,000	97,500	100,000	102,500	105,000	107,500	110,000	112,500	115,000	117,500	120,000	122,500	125,000
Min/Ave	97,5	97,3	97,5	97,5	97,6	97,8	97,7	97,9	98,0	97,2	96,8	97,1	97,7	98,0	97,6	97,3	97,4
Ave	143,39	138,05	139,90	141,84	138,65	140,50	133,69	129,46	127,95	120,37	119,17	120,07	123,45	123,07	118,65	116,69	114,22

Luminescence (Lambert) **Wall Left (Cross Section Italy)**

Origin X = 0,000 Y = 0,000 Z = 0,000

1,700	110,34	106,66	101,60	100,22	99,82	100,07	100,65	100,73	99,49	97,00	93,18	88,86	85,60	79,22	72,87	67,71	66,56
1,000	115,80	112,31	107,65	106,33	105,82	105,94	106,33	106,04	104,29	100,68	95,83	91,40	89,25	83,90	75,44	70,12	70,22
X/Y	127,500	130,000	132,500	135,000	137,500	140,000	142,500	145,000	147,500	150,000	152,500	155,000	157,500	160,000	162,500	165,000	167,500
Min/Ave	97,6	97,4	97,1	97,0	97,1	97,1	97,3	97,4	97,6	98,1	98,6	98,6	97,9	97,1	98,3	98,2	97,3
Ave	113,07	109,48	104,62	103,27	102,82	103,01	103,49	103,39	101,89	98,84	94,51	90,13	87,43	81,56	74,15	68,92	68,39

Luminescence (Lambert) **Wall Left (Cross Section Italy)**

Origin X = 0,000 Y = 0,000 Z = 0,000

1,700	65,30	56,68	65,82	59,71	56,36	62,67	54,41	62,18	51,08	43,07	43,59	37,16	43,30	39,50	39,35	42,11	36,28
1,000	68,55	61,02	67,82	62,83	60,02	65,49	58,00	62,72	52,65	45,42	46,03	40,55	45,10	41,99	41,70	44,16	38,46
X/Y	170,000	172,500	175,000	177,500	180,000	182,500	185,000	187,500	190,000	192,500	195,000	197,500	200,000	202,500	205,000	207,500	210,000
Min/Ave	97,6	96,3	98,5	97,5	96,9	97,8	96,8	99,6	98,5	97,3	97,3	95,6	98,0	96,9	97,1	97,6	97,1
Ave	66,93	58,85	66,82	61,27	58,19	64,08	56,21	62,45	51,87	44,25	44,81	38,85	44,20	40,74	40,53	43,14	37,37

Luminescence (Lambert) **Wall Left (Cross Section Italy)**

Origin X = 0,000 Y = 0,000 Z = 0,000

1,700	40,19	29,08	22,50	18,63	19,86	20,98	21,78	22,32	21,71	20,84	19,21	18,81	19,37	18,82	19,05	18,07	17,92
1,000	39,93	29,22	23,88	21,03	22,57	23,88	24,86	25,34	24,79	23,83	22,23	21,83	22,22	21,85	21,89	21,00	20,83
X/Y	212,500	215,000	217,500	220,000	222,500	225,000	227,500	230,000	232,500	235,000	237,500	240,000	242,500	245,000	247,500	250,000	252,500
Min/Ave	99,7	99,8	97,0	94,0	93,6	93,5	93,4	93,6	93,4	93,3	92,7	92,6	93,1	92,5	93,0	92,5	92,5
Ave	40,06	29,15	23,19	19,83	21,22	22,43	23,32	23,83	23,25	22,33	20,72	20,32	20,79	20,33	20,47	19,54	19,38

Luminaire Locator **255,000** \leq **295,000**

Luminance (Lambert) **Wall Left (Cross Section Italy)**

Origin X = 0,000 Y = 0,000 Z = 0,000

1,700	18,66	18,19	18,23	16,93	16,28	16,13	14,17	12,68	12,85	12,59	10,63	9,78	9,97	11,18	11,57	10,01	9,44
1,000	21,43	21,02	20,80	19,60	18,84	18,42	16,45	14,90	14,88	14,44	12,60	11,60	11,73	12,88	13,19	11,74	11,12
X/Y	255,000	257,500	260,000	262,500	265,000	267,500	270,000	272,500	275,000	277,500	280,000	282,500	285,000	287,500	290,000	292,500	295,000
Min/Ave	93,1	92,8	93,4	92,7	92,7	93,4	92,5	91,9	92,7	93,2	91,5	91,5	91,9	92,9	93,5	92,0	91,8
Ave	20,04	19,61	19,52	18,26	17,56	17,28	15,31	13,79	13,87	13,52	11,61	10,69	10,85	12,03	12,38	10,87	10,28

Luminaire Locator **297,500** \leq **337,500**

Luminance (Lambert) **Wall Left (Cross Section Italy)**

Origin X = 0,000 Y = 0,000 Z = 0,000

1,700	9,67	10,96	11,53	9,99	9,42	9,62	10,92	11,57	10,02	9,42	9,57	10,87	11,58	10,04	9,34	9,41	10,64
1,000	11,35	12,59	13,05	11,67	11,07	11,28	12,53	13,07	11,71	11,07	11,22	12,46	13,04	11,67	10,94	11,02	12,18
X/Y	297,500	300,000	302,500	305,000	307,500	310,000	312,500	315,000	317,500	320,000	322,500	325,000	327,500	330,000	332,500	335,000	337,500
Min/Ave	92,0	93,1	93,8	92,2	91,9	92,1	93,1	93,9	92,2	92,0	92,1	93,2	94,1	92,5	92,1	92,1	93,3
Ave	10,51	11,77	12,29	10,83	10,24	10,45	11,72	12,32	10,87	10,25	10,40	11,66	12,31	10,86	10,14	10,21	11,41

Luminaire Locator **340,000** \leq **380,000**

Luminance (Lambert) **Wall Left (Cross Section Italy)**

Origin X = 0,000 Y = 0,000 Z = 0,000

1,700	11,29	9,62	8,53	8,05	8,50	8,83	7,87	7,41	7,36	8,04	8,57	7,76	7,29	7,26	7,97	8,54	7,79
1,000	12,68	11,13	9,99	9,47	9,84	10,06	9,16	8,69	8,65	9,29	9,74	9,00	8,53	8,52	9,17	9,69	9,01
X/Y	340,000	342,500	345,000	347,500	350,000	352,500	355,000	357,500	360,000	362,500	365,000	367,500	370,000	372,500	375,000	377,500	380,000
Min/Ave	94,2	92,7	92,1	91,9	92,7	93,5	92,4	92,1	91,9	92,8	93,6	92,6	92,1	92,0	93,0	93,7	92,7
Ave	11,99	10,38	9,26	8,76	9,17	9,44	8,51	8,05	8,00	8,66	9,16	8,38	7,91	7,89	8,57	9,11	8,40

Luminaire Locator **382,500** \leq **422,500**

Luminance (Lambert) **Wall Left (Cross Section Italy)**

Origin X = 0,000 Y = 0,000 Z = 0,000

1,700	7,27	7,25	7,92	8,51	7,83	7,26	7,24	7,86	8,45	7,81	7,13	7,09	7,59	8,12	7,24	6,15	5,50
1,000	8,51	8,50	9,13	9,67	9,04	8,50	8,48	9,05	9,58	8,97	8,32	8,27	8,72	9,14	8,27	7,16	6,42
X/Y	382,500	385,000	387,500	390,000	392,500	395,000	397,500	400,000	402,500	405,000	407,500	410,000	412,500	415,000	417,500	420,000	422,500
Min/Ave	92,1	92,0	92,9	93,6	92,8	92,1	92,1	93,0	93,7	93,1	92,3	92,3	93,0	94,1	93,4	92,4	92,3
Ave	7,89	7,87	8,52	9,09	8,44	7,88	7,86	8,46	9,01	8,39	7,73	7,68	8,16	8,63	7,75	6,65	5,96

Luminance (Lambert) Wall Left (Cross Section Italy)

Luminaire Locator

595,000 ↻ 600,000

Origin X = 0,000 Y = 0,000 Z = 0,000

1,700	2,93	3,24	3,01	2,0
1,000	3,38	3,65	3,45	2,2
X/Y	595,000	597,500	600,000	UI%
Min/Ave	92,9	94,0	93,2	
Ave	3,16	3,45	3,23	

Calcolo TI

Configurazione apparecchi: Luminaire Locator

Nome	Direzione :	Indice	Position	TI
TI Observer 0	0	82	205; 1,875; 1,5	6,03
TI Observer 1	0	82	205; 5,625; 1,5	5,54

A31 Nord

Autostrada Valdastico
A31 Nord

Indice

A31 Nord

Philips Lighting BGP623 T25 1 xLED100-4S/740 DW10 1xLED100-4S/740	
Scheda tecnica apparecchio (1xLED100-4S/740).....	4
Philips Lighting BGP623 T25 1 xLED100-4S/740 DM11 1xLED100-4S/740	
Scheda tecnica apparecchio (1xLED100-4S/740).....	7
Philips Lighting BGP627 1 xLED400/830 DM11 1xLED400/830/-	
Scheda tecnica apparecchio (1xLED400/830/-).....	10
Philips Lighting BGP627 1 xLED400/740 DM11 1xLED400/740/-	
Scheda tecnica apparecchio (1xLED400/740/-).....	13
01-Tratti autostradali avvicinamento gallerie: Alternativa 1	
Risultati della pianificazione.....	16
01-Tratti autostradali avvicinamento gallerie: Alternativa 1 / Carreggiata (M1)	
Sintesi dei risultati.....	17
Tabella.....	18
Isolinee.....	20
Grafica dei valori.....	23
Corsia marcia 4+4m e banchina 1m: Alternativa 3	
Risultati della pianificazione.....	26
Corsia marcia 4+4m e banchina 1m: Alternativa 3 / Carreggiata (M2)	
Sintesi dei risultati.....	27
Tabella.....	28
Isolinee.....	30
Grafica dei valori.....	33
03-Corsia marcia 4m su viadotto: Alternativa 4	
Risultati della pianificazione.....	36
03-Corsia marcia 4m su viadotto: Alternativa 4 / Carreggiata (M2)	
Sintesi dei risultati.....	37
Tabella.....	38
Isolinee.....	39
Grafica dei valori.....	40
05-Corsia marcia 4+4+4m e banchina 1m: Alternativa 5	
Risultati della pianificazione.....	41
05-Corsia marcia 4+4+4m e banchina 1m: Alternativa 5 / Carreggiata (M2)	
Sintesi dei risultati.....	42
Tabella.....	43
Isolinee.....	46
Grafica dei valori.....	50
06-Corsia marcia 4m e banchina 3m: Alternativa 6	
Risultati della pianificazione.....	54
06-Corsia marcia 4m e banchina 3m: Alternativa 6 / Carreggiata (M2)	
Sintesi dei risultati.....	55
Tabella.....	56
Isolinee.....	57
Grafica dei valori.....	58
07-Corsia marcia 4+4+4+4m e banchina 1m: Alternativa 7	
Risultati della pianificazione.....	59
07-Corsia marcia 4+4+4+4m e banchina 1m: Alternativa 7 / Carreggiata (M2)	
Sintesi dei risultati.....	60
Tabella.....	61
Isolinee.....	64
Grafica dei valori.....	71
04-Corsia marcia 4m e banchina 1m: Alternativa 8	
Risultati della pianificazione.....	78
04-Corsia marcia 4m e banchina 1m: Alternativa 8 / Carreggiata (M2)	
Sintesi dei risultati.....	79
Tabella.....	80
Isolinee.....	81
Grafica dei valori.....	82
02-Corsia decelerazione/accelerazione 4m e banchina 1m: Alternativa 10	

Risultati della pianificazione.....	83
02-Corsia decelerazione/accelerazione 4m e banchina 1m: Alternativa 10 / Carreggiata (M1)	
Sintesi dei risultati.....	84
Tabella.....	85
Isolinee.....	86
Grafica dei valori.....	87
09-Viabilità esterna 3.25+3.25+0.5+0.5: Alternativa 11	
Risultati della pianificazione.....	88
09-Viabilità esterna 3.25+3.25+0.5+0.5: Alternativa 11 / Carreggiata (M2)	
Sintesi dei risultati.....	89
Tabella.....	90
Isolinee.....	92
Grafica dei valori.....	95

Philips Lighting BGP623 T25 1 xLED100-4S/740 DW10 1xLED100-4S/740

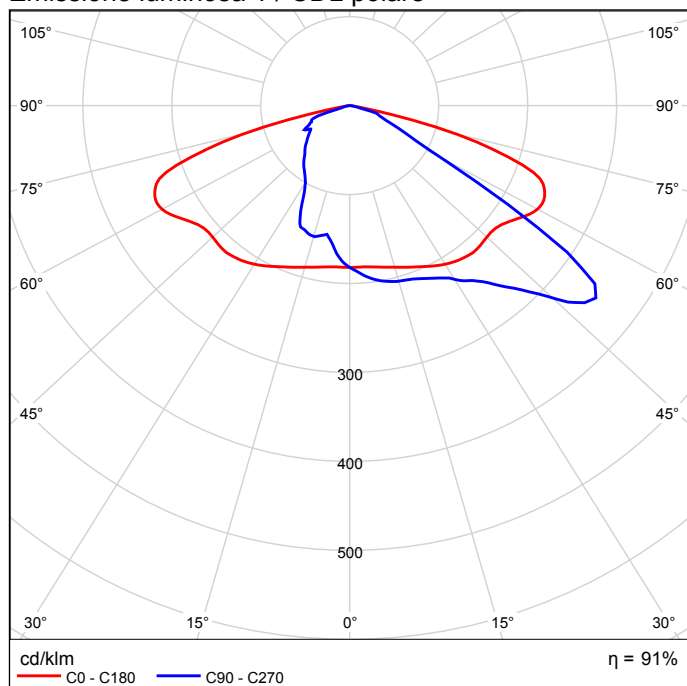
Per un'immagine della lampada consultare il nostro catalogo lampade.

Rendimento: 90.51%
 Flusso luminoso lampadina: 62 lm
 Flusso luminoso lampade: 56 lm
 Potenza: 61.0 W
 Rendimento luminoso: 0.9 lm/W

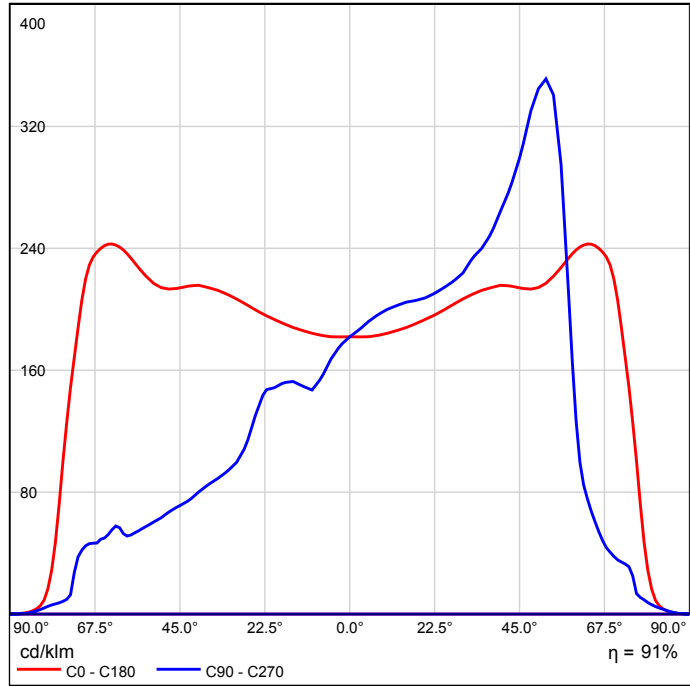
Luma - La visione diventa realtà Luma è un apparecchio per l'illuminazione stradale dalle performance elevate e dal design ricercato, che offre una soluzione "installa e dimentica", con raffreddamento ottimale, adatta a qualsiasi strada o via. Pacchetto lumen, durata e profilo energetico possono essere adattati per creare la soluzione desiderata in termini di consumo energetico e risparmio. Luma può essere programmato per mantenere il flusso delle luci LED ad un livello costante, predefinito nel corso della durata dell'apparecchio, aumentando la corrente operativa nel tempo così da compensare il deprezzamento dei lumen delle luci LED. Luma utilizza il motore LEDGINE-O ad alto rendimento, caratterizzato dalle più recenti performance LED, e un'ampia gamma di ottiche basate sugli standard più recenti. Inoltre, il design totalmente piatto di Luma previene la dispersione luminosa verso l'alto.

Per ottimizzare la distribuzione della luce in modo da adattarla alle diverse geometrie delle strade e/o alle restrizioni in termini di riverbero, l'angolo di inclinazione può essere facilmente regolato durante l'installazione.

Emissione luminosa 1 / CDL polare

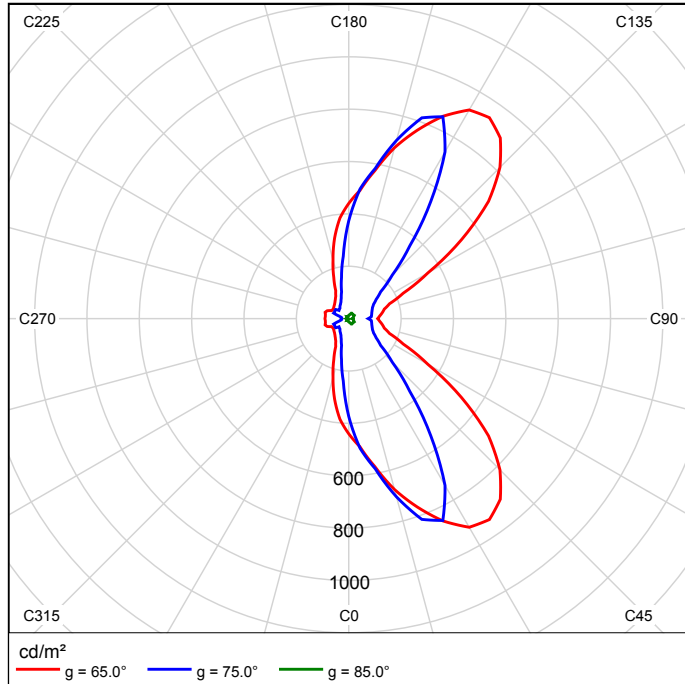


Emissione luminosa 1 / CDL lineare



Non è possibile creare un diagramma conico, poiché la diffusione luminosa è asimmetrica.

Emissione luminosa 1 / Diagramma della luminanza



Non è possibile creare un diagramma UGR, poiché la diffusione luminosa è asimmetrica.

Philips Lighting BGP623 T25 1 xLED100-4S/740 DM11 1xLED100-4S/740

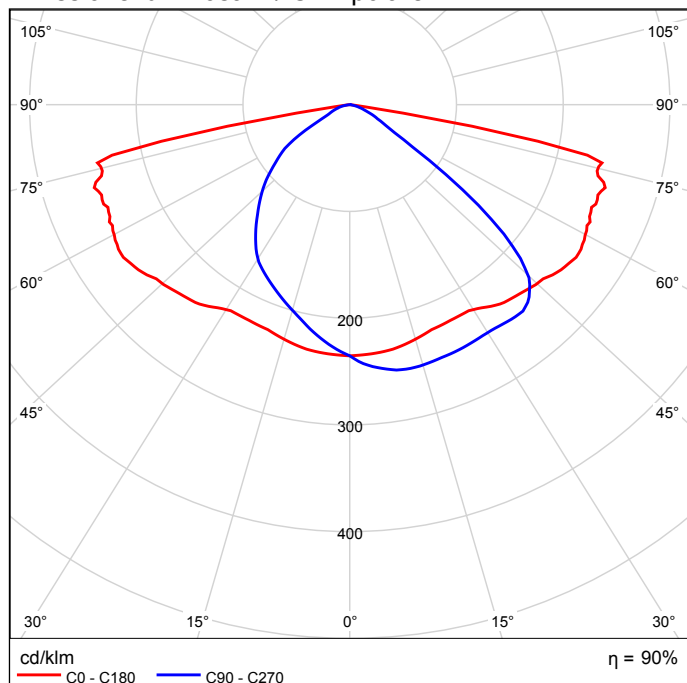


Luma - La visione diventa realtà Luma è un apparecchio per l'illuminazione stradale dalle performance elevate e dal design ricercato, che offre una soluzione "installa e dimentica", con raffreddamento ottimale, adatta a qualsiasi strada o via. Pacchetto lumen, durata e profilo energetico possono essere adattati per creare la soluzione desiderata in termini di consumo energetico e risparmio. Luma può essere programmato per mantenere il flusso delle luci LED ad un livello costante, predefinito nel corso della durata dell'apparecchio, aumentando la corrente operativa nel tempo così da compensare il deprezzamento dei lumen delle luci LED. Luma utilizza il motore LEDGINE-O ad alto rendimento, caratterizzato dalle più recenti performance LED, e un'ampia gamma di ottiche basate sugli standard più recenti. Inoltre, il design totalmente piatto di Luma previene la dispersione luminosa verso l'alto.

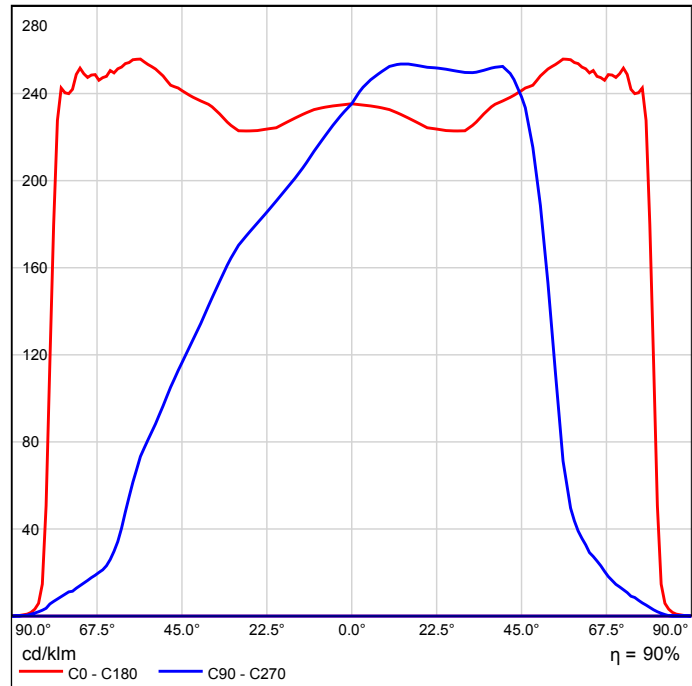
Per ottimizzare la distribuzione della luce in modo da adattarla alle diverse geometrie delle strade e/o alle restrizioni in termini di riverbero, l'angolo di inclinazione può essere facilmente regolato durante l'installazione.

Rendimento: 89.95%
 Flusso luminoso lampadina: 10000 lm
 Flusso luminoso lampade: 8995 lm
 Potenza: 61.0 W
 Rendimento luminoso: 147.5 lm/W

Emissione luminosa 1 / CDL polare

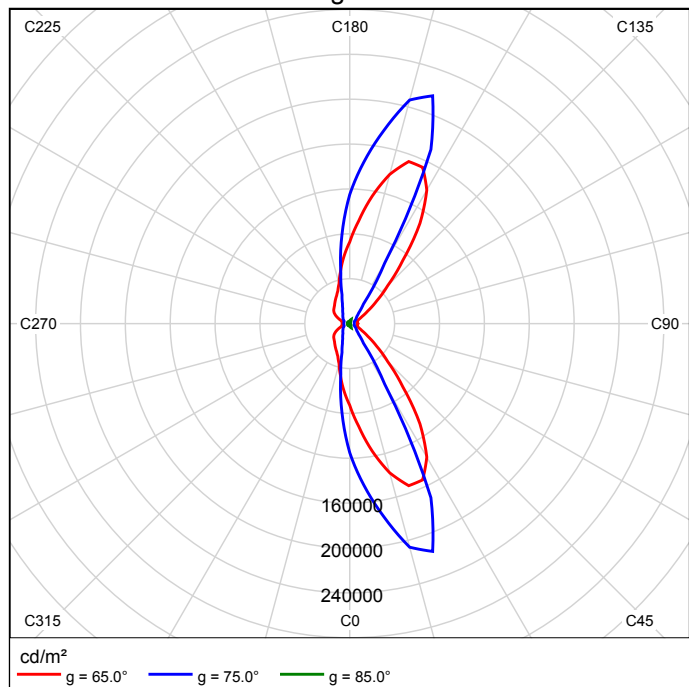


Emissione luminosa 1 / CDL lineare



Non è possibile creare un diagramma conico, poiché la diffusione luminosa è asimmetrica.

Emissione luminosa 1 / Diagramma della luminanza



Non è possibile creare un diagramma UGR, poiché la diffusione luminosa è asimmetrica.

Philips Lighting BGP627 1 xLED400/830 DM11 1xLED400/830/-

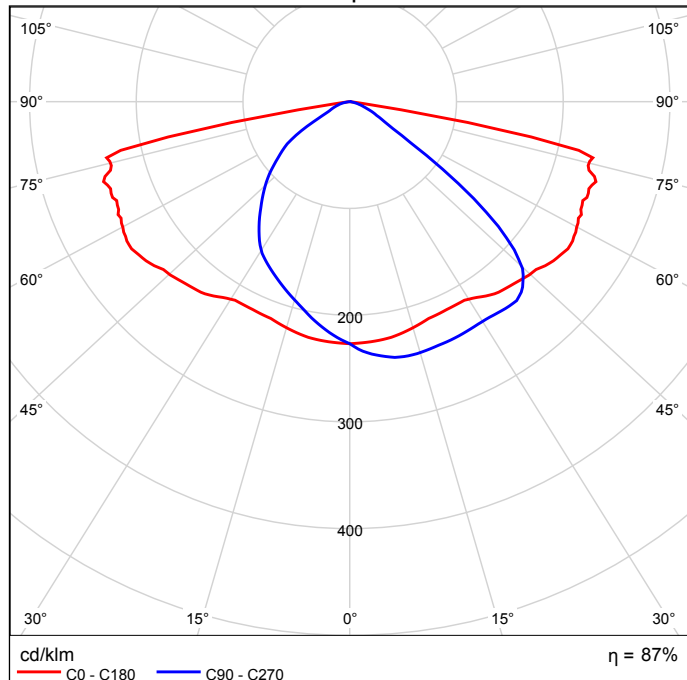


Luma - La visione diventa realtà Luma è un apparecchio per l'illuminazione stradale dalle performance elevate e dal design ricercato, che offre una soluzione "installa e dimentica", con raffreddamento ottimale, adatta a qualsiasi strada o via. Pacchetto lumen, durata e profilo energetico possono essere adattati per creare la soluzione desiderata in termini di consumo energetico e risparmio. Luma può essere programmato per mantenere il flusso delle luci LED ad un livello costante, predefinito nel corso della durata dell'apparecchio, aumentando la corrente operativa nel tempo così da compensare il deprezzamento dei lumen delle luci LED. Luma utilizza il motore LEDGINE-O ad alto rendimento, caratterizzato dalle più recenti performance LED, e un'ampia gamma di ottiche basate sugli standard più recenti. Inoltre, il design totalmente piatto di Luma previene la dispersione luminosa verso l'alto.

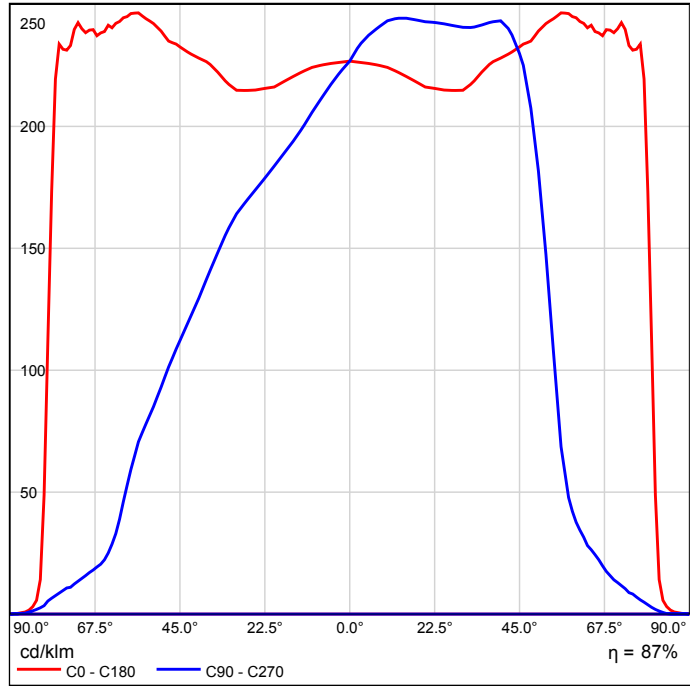
Per ottimizzare la distribuzione della luce in modo da adattarla alle diverse geometrie delle strade e/o alle restrizioni in termini di riverbero, l'angolo di inclinazione può essere facilmente regolato durante l'installazione.

Rendimento: 86.69%
 Flusso luminoso lampadina: 40000 lm
 Flusso luminoso lampade: 34674 lm
 Potenza: 340.0 W
 Rendimento luminoso: 102.0 lm/W

Emissione luminosa 1 / CDL polare

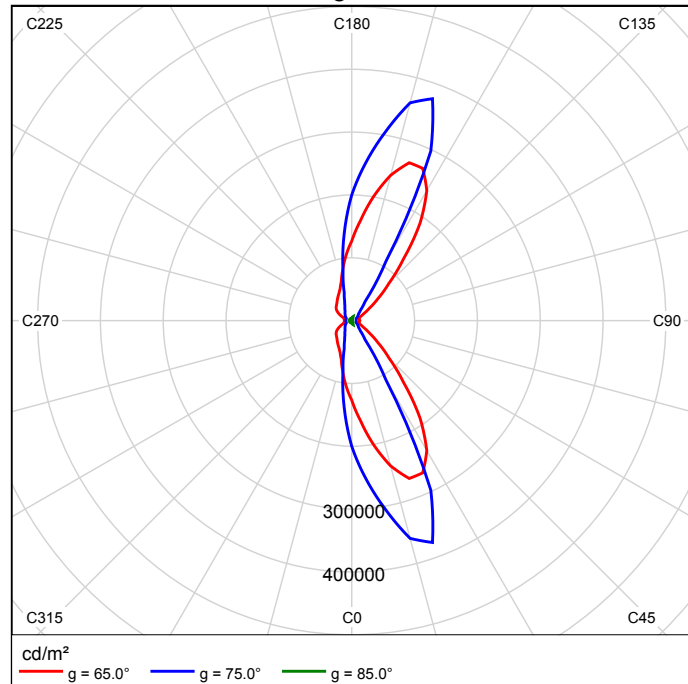


Emissione luminosa 1 / CDL lineare



Non è possibile creare un diagramma conico, poiché la diffusione luminosa è asimmetrica.

Emissione luminosa 1 / Diagramma della luminanza



Non è possibile creare un diagramma UGR, poiché la diffusione luminosa è asimmetrica.

Philips Lighting BGP627 1 xLED400/740 DM11 1xLED400/740/-

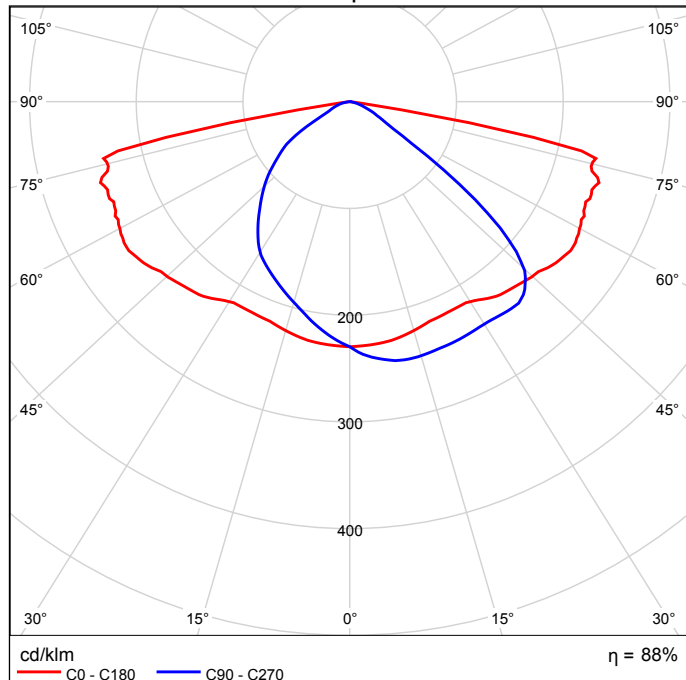


Luma - La visione diventa realtà Luma è un apparecchio per l'illuminazione stradale dalle performance elevate e dal design ricercato, che offre una soluzione "installa e dimentica", con raffreddamento ottimale, adatta a qualsiasi strada o via. Pacchetto lumen, durata e profilo energetico possono essere adattati per creare la soluzione desiderata in termini di consumo energetico e risparmio. Luma può essere programmato per mantenere il flusso delle luci LED ad un livello costante, predefinito nel corso della durata dell'apparecchio, aumentando la corrente operativa nel tempo così da compensare il deprezzamento dei lumen delle luci LED. Luma utilizza il motore LEDGINE-O ad alto rendimento, caratterizzato dalle più recenti performance LED, e un'ampia gamma di ottiche basate sugli standard più recenti. Inoltre, il design totalmente piatto di Luma previene la dispersione luminosa verso l'alto.

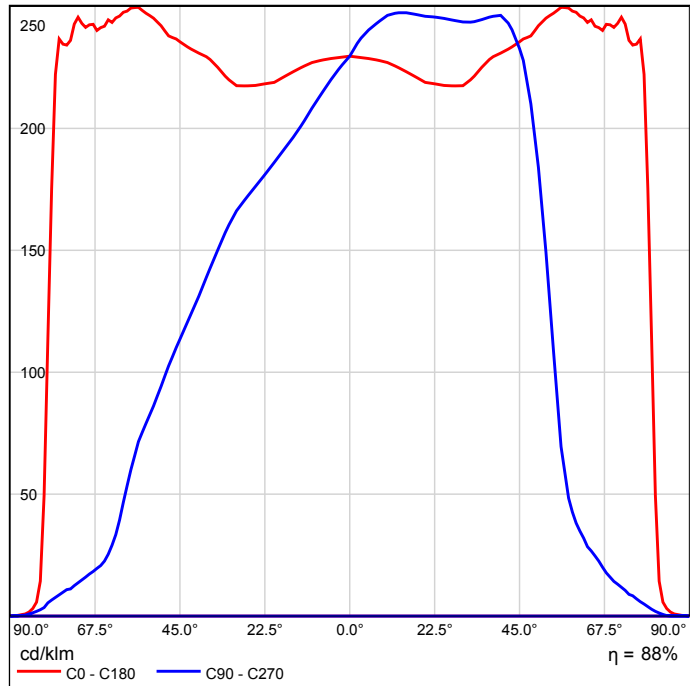
Per ottimizzare la distribuzione della luce in modo da adattarla alle diverse geometrie delle strade e/o alle restrizioni in termini di riverbero, l'angolo di inclinazione può essere facilmente regolato durante l'installazione.

Rendimento: 87.77%
 Flusso luminoso lampadina: 40000 lm
 Flusso luminoso lampade: 35110 lm
 Potenza: 275.0 W
 Rendimento luminoso: 127.7 lm/W

Emissione luminosa 1 / CDL polare

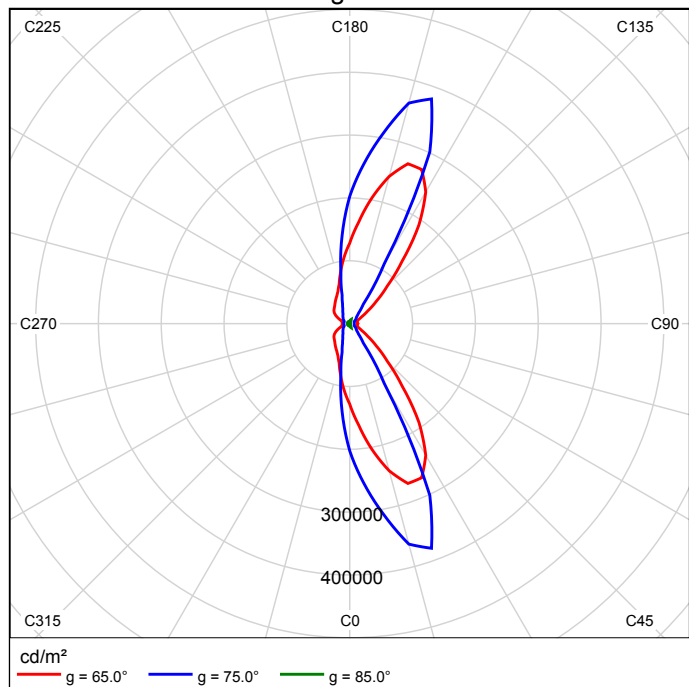


Emissione luminosa 1 / CDL lineare

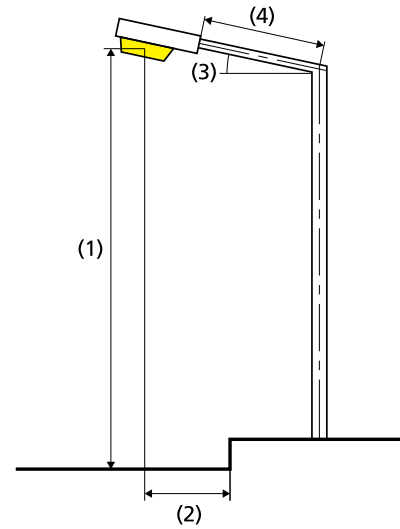
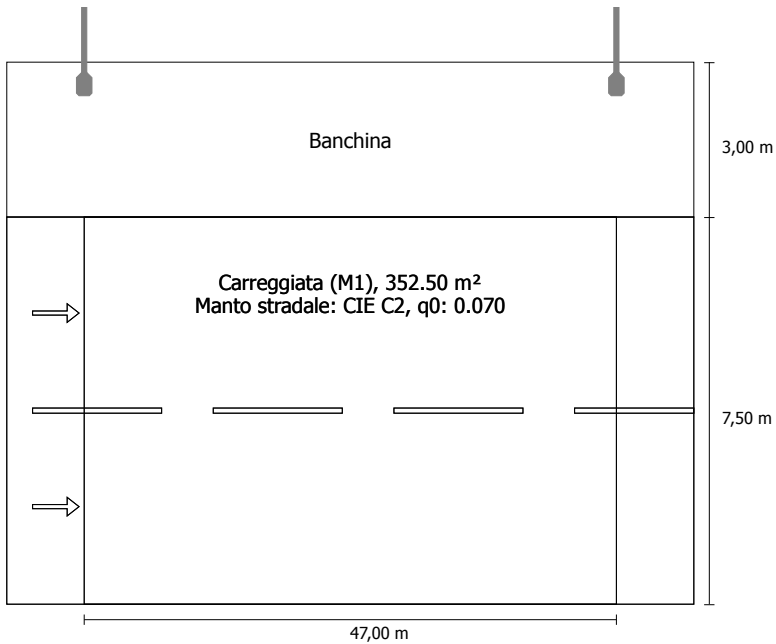


Non è possibile creare un diagramma conico, poiché la diffusione luminosa è asimmetrica.

Emissione luminosa 1 / Diagramma della luminanza



Non è possibile creare un diagramma UGR, poiché la diffusione luminosa è asimmetrica.

01-Tratti autostradali avvicinamento gallerie in direzione EN
13201:2015Philips Lighting BGP627 1 xLED400/830 DM11
1xLED400/830/-

Flusso luminoso (lampada):	48544.12 lm
Flusso luminoso (lampadina):	56000.00 lm
Ore di esercizio	
4000 h:	100.0 %, 373.0 W
W/km:	7833.0
Disposizione:	su un lato sopra
Distanza pali:	47.000 m
Inclinazione braccio (3):	0.0°
Lunghezza braccio (4):	2.500 m
Altezza fuochi (1):	13.000 m
Sporgenza punto luce (2):	-2.600 m

ULR:	0.00
ULOR:	0.00
Valori massimi dell'intensità luminosa	
per 70°:	549 cd/klm
per 80°:	151 cd/klm
per 90°:	0.00 cd/klm
Classe intensità luminose:	G*1

Per tutte le direzioni che, per le lampade installate e utilizzabili, formano l'angolo indicato con le verticali inferiori.

La disposizione rispetta la classe degli indici di abbagliamento D.5

Risultati per i campi di valutazione

Fattore di diminuzione: 0.80

Carreggiata (M1)

Lm [cd/m²] ≥ 2.00	Uo ≥ 0.40	UI ≥ 0.70	TI [%] ≤ 10	EIR ≥ 0.35
✓ 2.26	✓ 0.63	✓ 0.86	✓ 10	✓ 0.78

Risultati per gli indicatori dell'efficienza energetica

Indice della densità di potenza (Dp)	0.031 W/lxm²
Densità di consumo energetico	
Disposizione: BGP627 1 xLED400/830 DM11 (1492.0 kWh)	4.2 kWh/m² p.a.

Carreggiata (M1)

Fattore di diminuzione: 0.80

Reticolo: 16 x 6 Punti

Lm [cd/m ²] ≥ 2.00	Uo ≥ 0.40	UI ≥ 0.70	TI [%] ≤ 10	EIR ≥ 0.35
✓ 2.26	✓ 0.63	✓ 0.86	✓ 10	✓ 0.78

Osservatori corrispondenti (2):

Osservatore	Posizione [m]	Lm [cd/m ²] ≥ 2.00	Uo ≥ 0.40	UI ≥ 0.70	TI [%] ≤ 10
Osservatore 1	(-60.000, 1.875, 1.500)	2.54	0.63	0.88	9
Osservatore 2	(-60.000, 5.625, 1.500)	2.26	0.67	0.86	10

Carreggiata (M1)

Illuminamento orizzontale [lx]

6.875	38.1	45.9	54.8	61.2	58.8	50.3	41.8	34.1	28.0	23.5	21.0	19.9	20.3	22.1	25.6	30.9
5.625	38.1	44.8	52.0	56.9	55.0	48.4	41.4	34.6	29.1	25.1	22.6	21.5	21.9	23.7	26.9	31.8
4.375	37.2	42.8	48.4	52.2	50.8	45.6	39.8	34.4	29.7	26.2	23.9	22.9	23.3	24.9	27.8	32.0
3.125	35.7	39.9	44.3	47.2	46.2	42.2	37.6	33.5	29.6	26.8	24.9	24.0	24.3	25.7	28.2	31.5
1.875	33.5	36.7	39.9	42.1	41.4	38.4	34.9	32.0	29.1	26.8	25.2	24.7	24.8	26.0	27.9	30.5
0.625	31.0	33.5	35.9	37.5	36.9	34.8	32.0	30.1	27.8	26.2	25.2	24.5	24.8	25.5	26.9	28.9
m	1.469	4.406	7.344	10.281	13.219	16.156	19.094	22.031	24.969	27.906	30.844	33.781	36.719	39.656	42.594	45.531

Reticolo: 16 x 6 Punti

Em [lx]	Emin [lx]	Emax [lx]	g1	g2
33.8	19.9	61.2	0.589	0.326

Osservatore 1

Luminanza con carreggiata asciutta [cd/m²]

6.875	3.54	3.47	3.46	3.57	3.41	3.30	3.22	3.01	2.79	2.99	3.22	3.38	3.52	3.62	3.64	3.63
5.625	3.48	3.35	3.26	3.24	3.11	3.07	2.98	2.92	2.97	3.01	3.03	3.06	3.14	3.25	3.26	3.25
4.375	2.95	2.84	2.76	2.72	2.64	2.64	2.58	2.61	2.61	2.60	2.59	2.63	2.74	2.80	2.80	2.76
3.125	2.44	2.36	2.36	2.34	2.26	2.25	2.19	2.17	2.21	2.24	2.23	2.20	2.35	2.39	2.40	2.38
1.875	2.09	2.05	2.01	1.94	1.87	1.89	1.88	1.91	1.91	1.90	1.94	1.95	2.07	2.11	2.12	2.11
0.625	1.78	1.77	1.74	1.68	1.65	1.67	1.61	1.64	1.67	1.68	1.71	1.72	1.83	1.86	1.86	1.83
m	1.469	4.406	7.344	10.281	13.219	16.156	19.094	22.031	24.969	27.906	30.844	33.781	36.719	39.656	42.594	45.531

Reticolo: 16 x 6 Punti

Luminanza con lampada nuova [cd/m²]

6.875	3.91	3.81	3.85	4.05	3.97	4.01	3.99	3.97	3.90	3.88	4.13	4.30	4.44	4.52	4.53	4.58
5.625	4.33	4.28	4.30	4.37	4.18	4.15	4.11	3.84	3.78	4.00	4.06	4.08	4.17	4.28	4.27	4.23
4.375	4.10	3.93	3.79	3.71	3.55	3.51	3.43	3.46	3.47	3.45	3.41	3.44	3.57	3.63	3.63	3.57
3.125	3.17	3.04	3.03	3.02	2.92	2.92	2.84	2.81	2.83	2.87	2.86	2.81	2.99	3.02	3.04	3.01
1.875	2.61	2.56	2.52	2.42	2.34	2.37	2.35	2.38	2.38	2.38	2.42	2.44	2.58	2.64	2.65	2.64
0.625	2.20	2.18	2.14	2.07	2.04	2.04	1.97	2.03	2.06	2.07	2.12	2.13	2.25	2.31	2.30	2.27
m	1.469	4.406	7.344	10.281	13.219	16.156	19.094	22.031	24.969	27.906	30.844	33.781	36.719	39.656	42.594	45.531

Reticolo: 16 x 6 Punti

Osservatore 2

Luminanza con carreggiata asciutta [cd/m²]

6.875	3.38	3.27	3.20	3.24	3.06	2.95	2.84	2.73	2.75	2.84	2.90	3.00	3.12	3.22	3.29	3.31
5.625	2.89	2.80	2.74	2.75	2.65	2.58	2.49	2.50	2.51	2.53	2.53	2.58	2.73	2.84	2.86	2.86
4.375	2.51	2.44	2.42	2.40	2.30	2.25	2.15	2.14	2.16	2.19	2.21	2.23	2.38	2.47	2.49	2.49
3.125	2.16	2.11	2.09	2.05	1.98	1.97	1.91	1.93	1.93	1.92	1.95	1.99	2.11	2.19	2.21	2.22
1.875	1.90	1.89	1.86	1.80	1.77	1.74	1.68	1.70	1.71	1.74	1.75	1.78	1.89	1.95	1.95	1.96
0.625	1.69	1.66	1.62	1.56	1.56	1.56	1.50	1.53	1.53	1.54	1.61	1.61	1.72	1.75	1.76	1.75
m	1.469	4.406	7.344	10.281	13.219	16.156	19.094	22.031	24.969	27.906	30.844	33.781	36.719	39.656	42.594	45.531

Reticolo: 16 x 6 Punti

Luminanza con lampada nuova [cd/m²]

6.875	4.40	4.24	4.14	4.19	3.95	3.82	3.68	3.49	3.46	3.63	3.71	3.83	3.98	4.10	4.18	4.19
5.625	3.62	3.49	3.43	3.44	3.31	3.23	3.11	3.13	3.13	3.16	3.16	3.22	3.41	3.55	3.58	3.58
4.375	3.03	2.96	2.94	2.92	2.79	2.72	2.58	2.62	2.64	2.69	2.70	2.72	2.93	3.05	3.08	3.08
3.125	2.58	2.56	2.54	2.50	2.42	2.39	2.30	2.31	2.30	2.31	2.36	2.41	2.57	2.67	2.71	2.72
1.875	2.28	2.26	2.22	2.16	2.13	2.09	2.02	2.05	2.06	2.08	2.10	2.15	2.28	2.37	2.39	2.41
0.625	2.01	2.00	1.95	1.90	1.90	1.88	1.81	1.83	1.86	1.88	1.95	1.95	2.09	2.14	2.15	2.15
m	1.469	4.406	7.344	10.281	13.219	16.156	19.094	22.031	24.969	27.906	30.844	33.781	36.719	39.656	42.594	45.531

Reticolo: 16 x 6 Punti

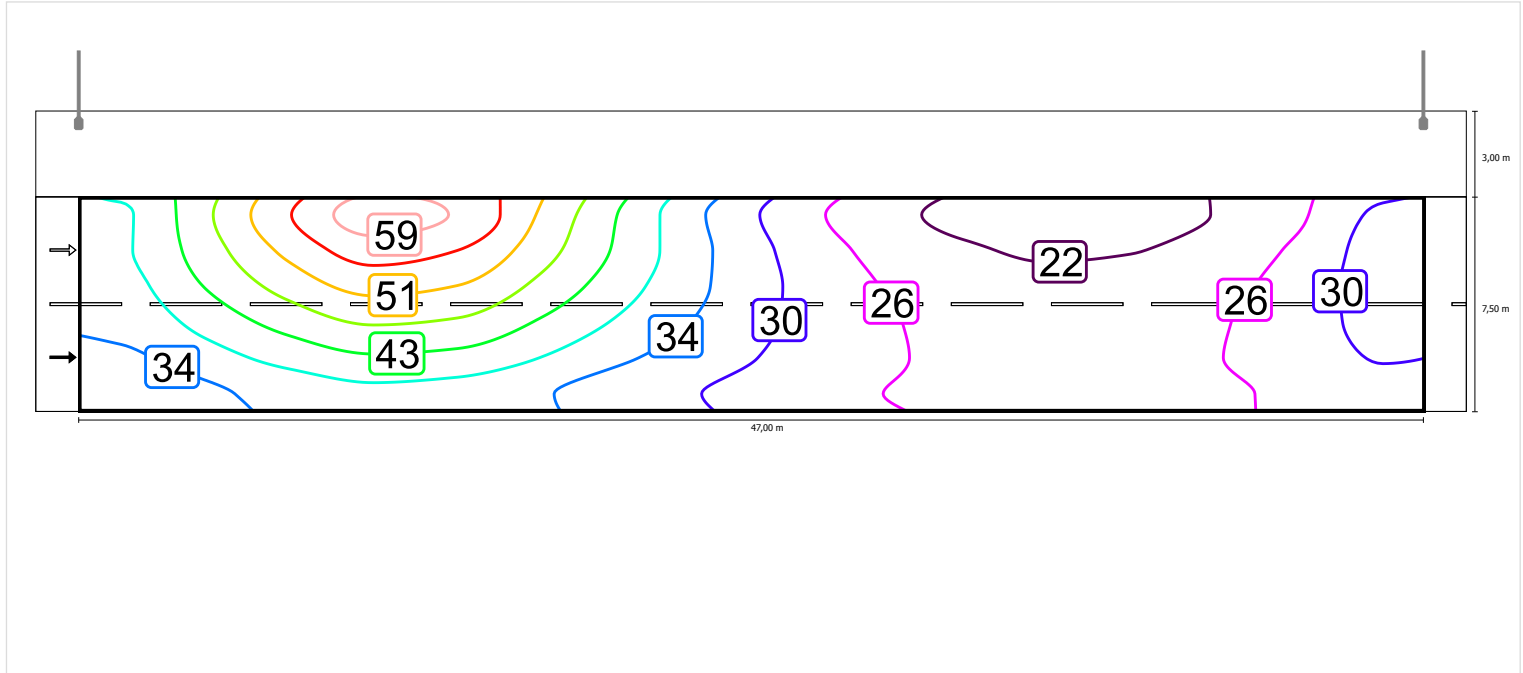
Carreggiata (M1)

Fattore di diminuzione: 0.80

Reticolo: 16 x 6 Punti

Lm [cd/m ²] ≥ 2.00	Uo ≥ 0.40	UI ≥ 0.70	TI [%] ≤ 10	EIR ≥ 0.35
✓ 2.26	✓ 0.63	✓ 0.86	✓ 10	✓ 0.78

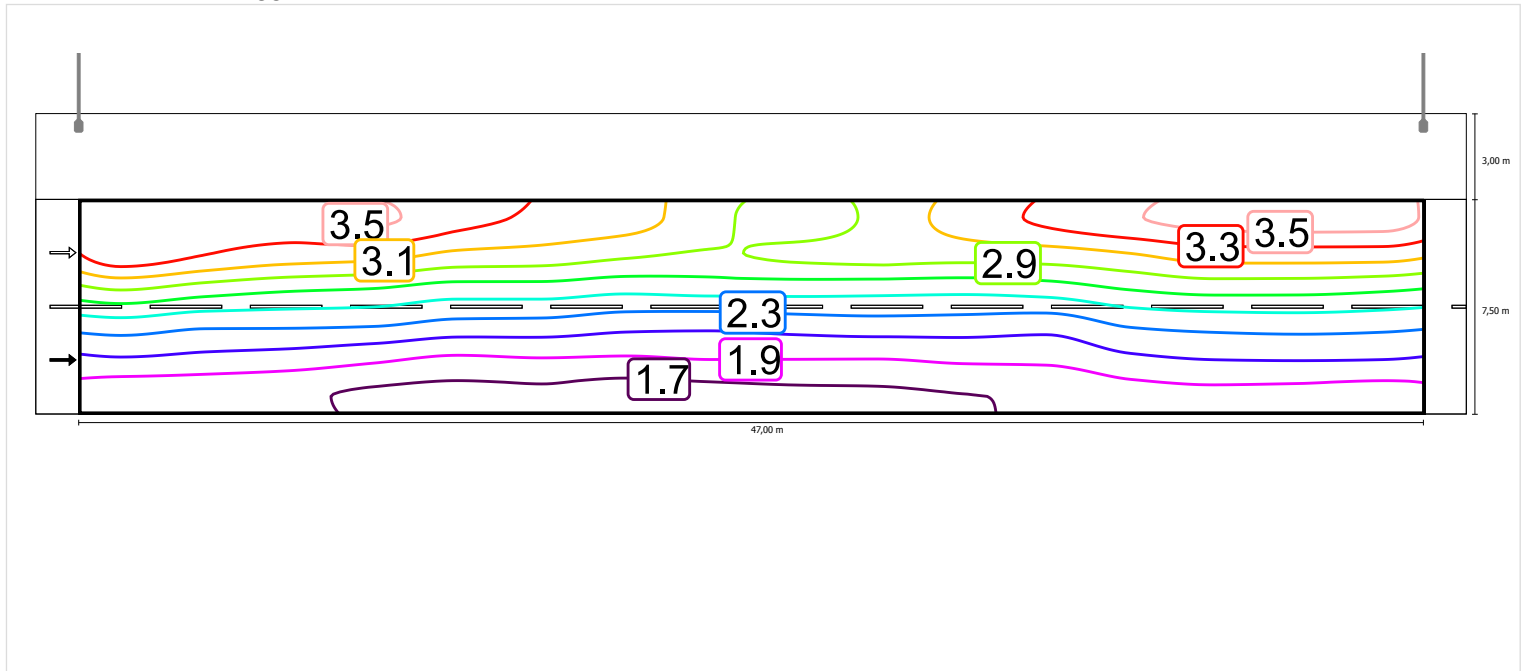
Illuminamento orizzontale



Scala: 1 : 500

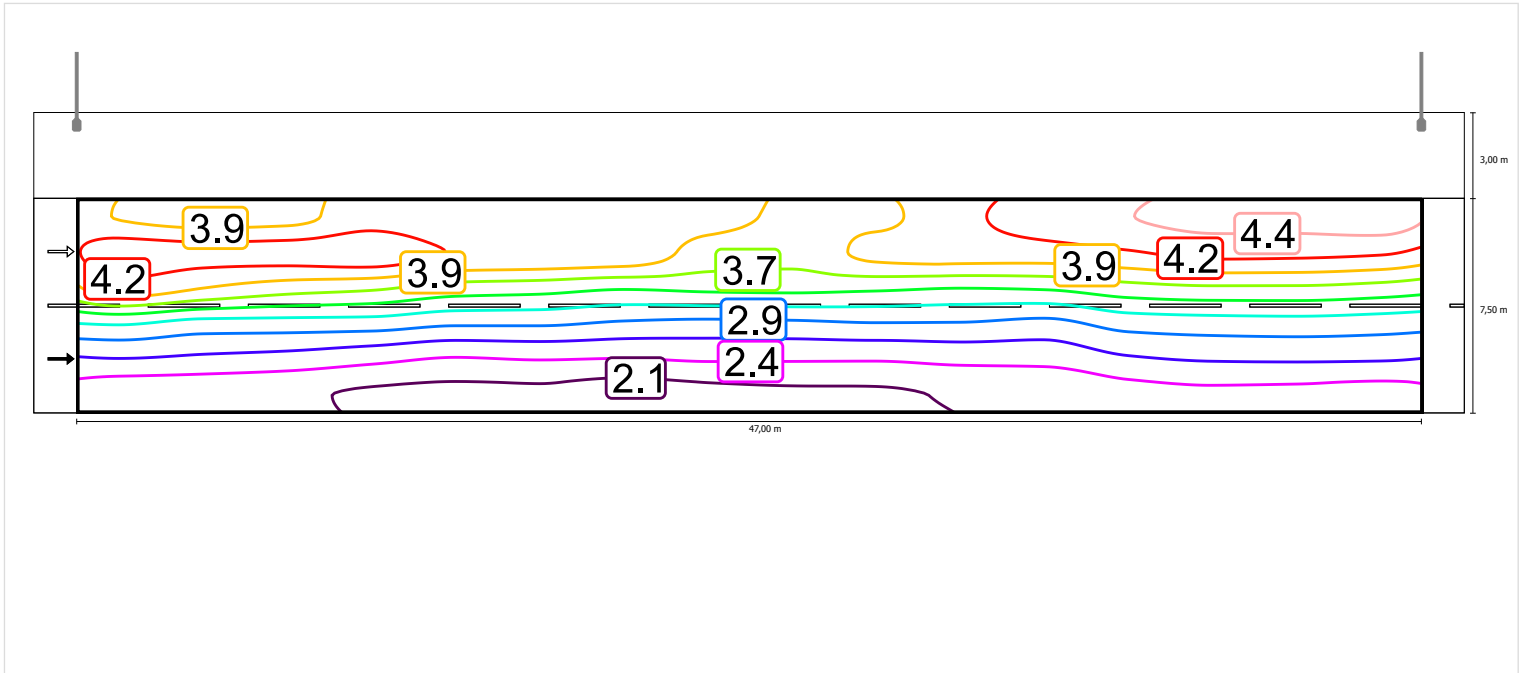
Osservatore 1

Luminanza con carreggiata asciutta



Scala: 1 : 500

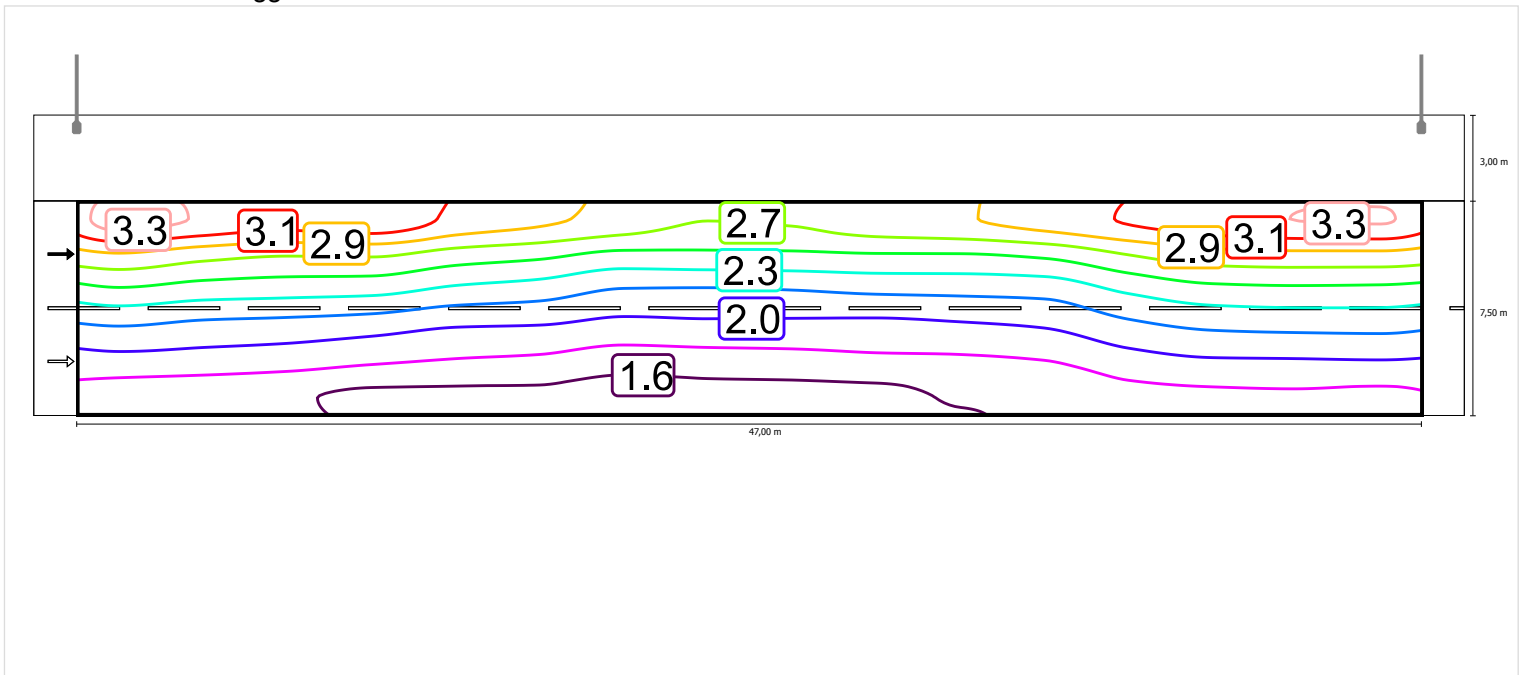
Luminanza con lampada nuova



Scala: 1 : 500

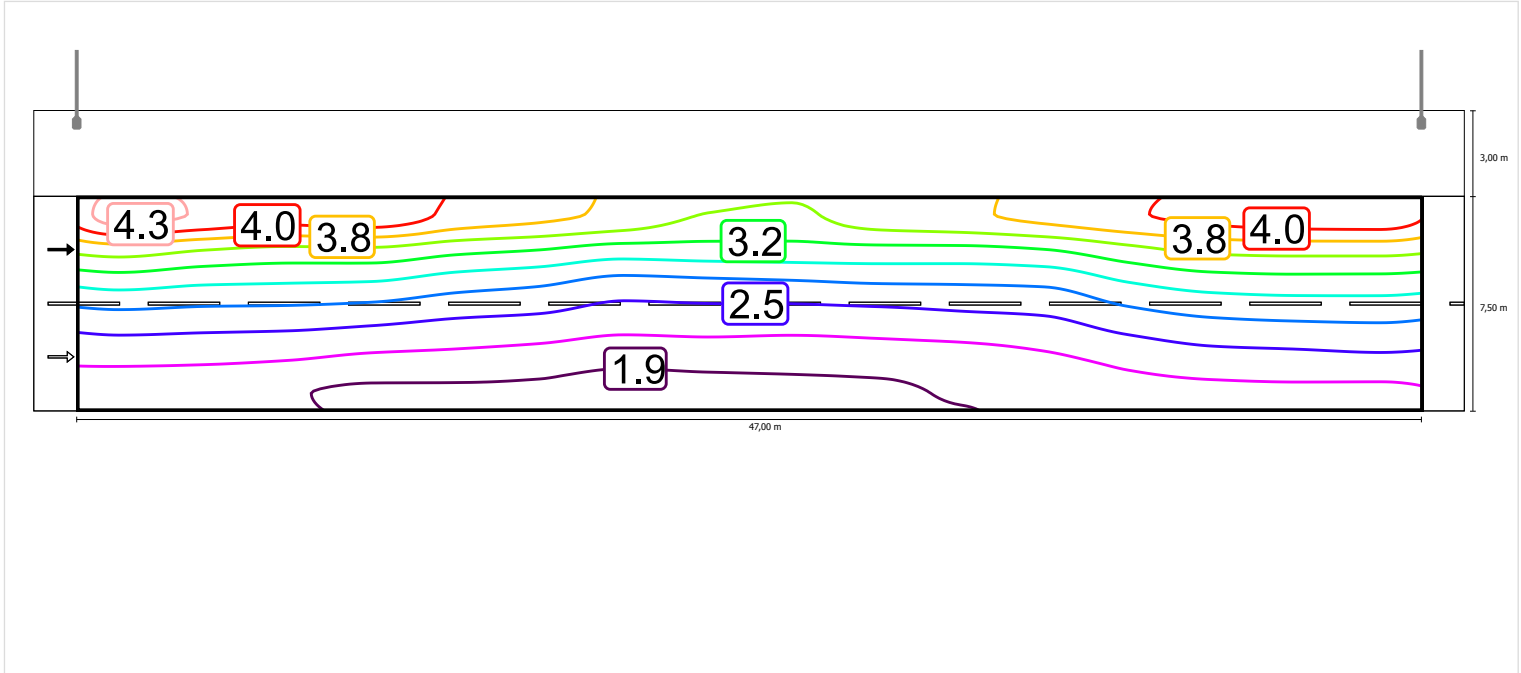
Osservatore 2

Luminanza con carreggiata asciutta



Scala: 1 : 500

Luminanza con lampada nuova



Scala: 1 : 500

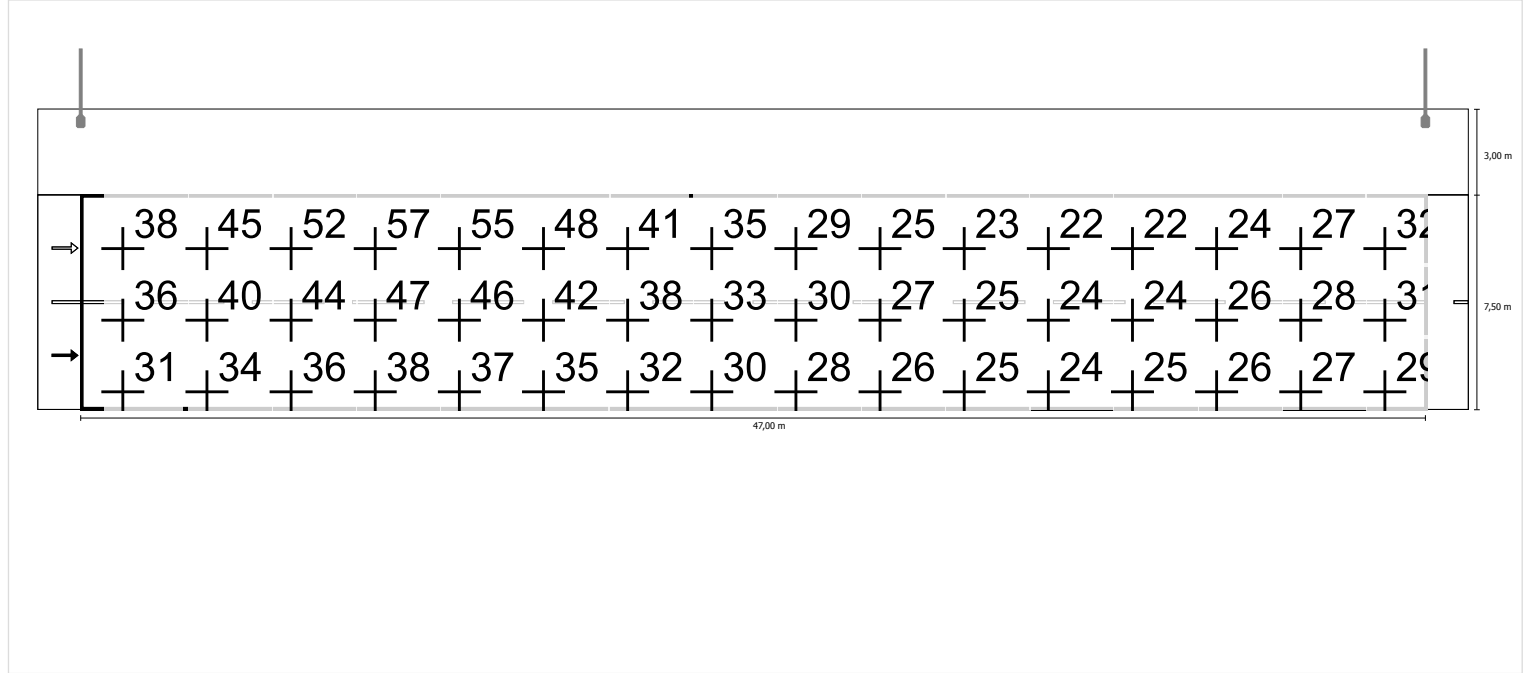
Carreggiata (M1)

Fattore di diminuzione: 0.80

Reticolo: 16 x 6 Punti

Lm [cd/m ²] ≥ 2.00	Uo ≥ 0.40	UI ≥ 0.70	TI [%] ≤ 10	EIR ≥ 0.35
✓ 2.26	✓ 0.63	✓ 0.86	✓ 10	✓ 0.78

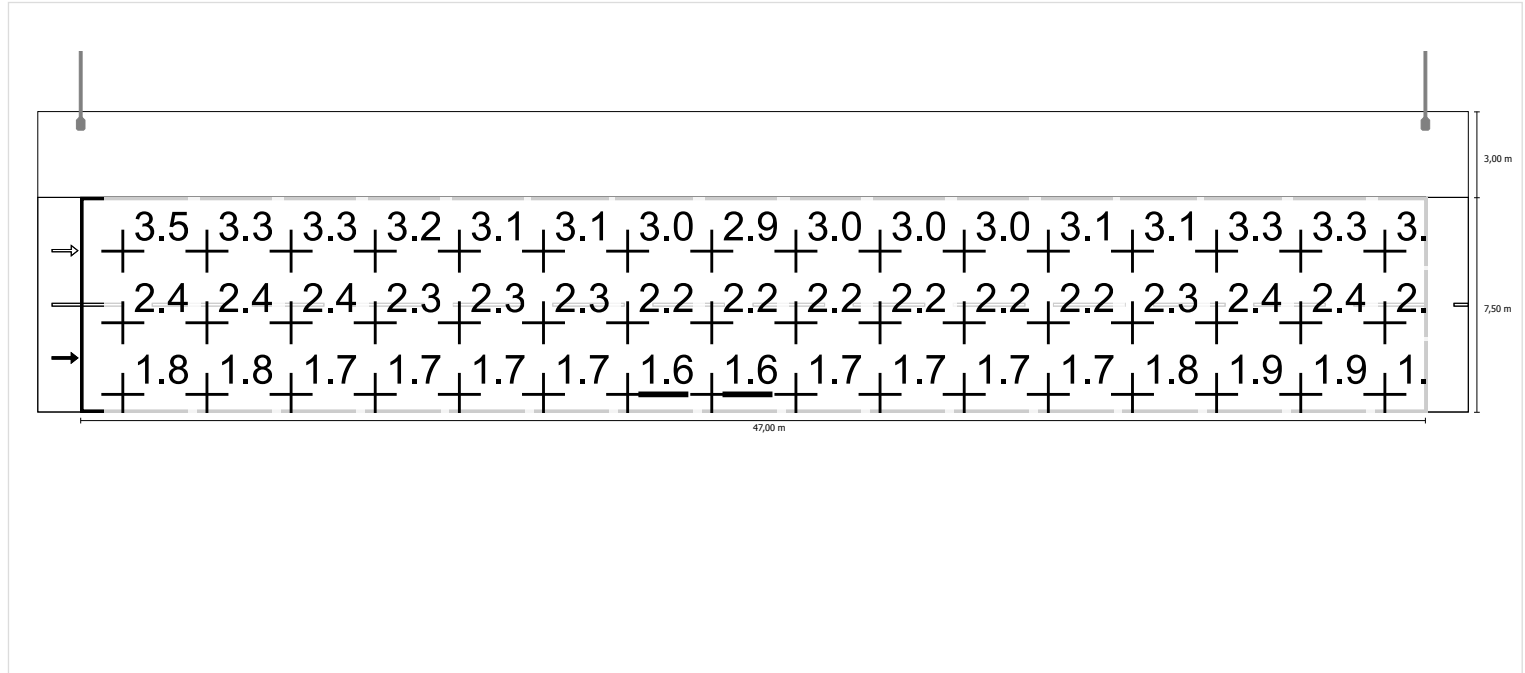
Illuminamento orizzontale



Scala: 1 : 500

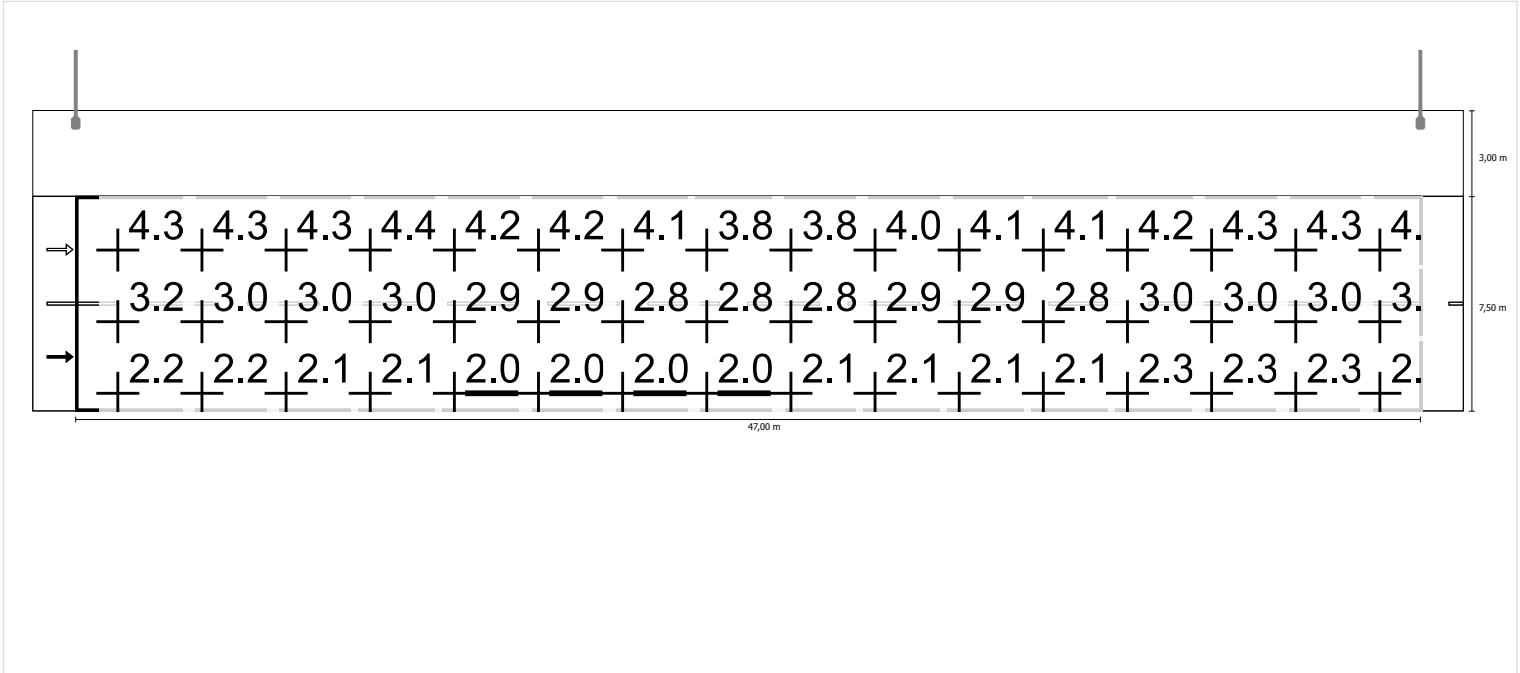
Osservatore 1

Luminanza con carreggiata asciutta



Scala: 1 : 500

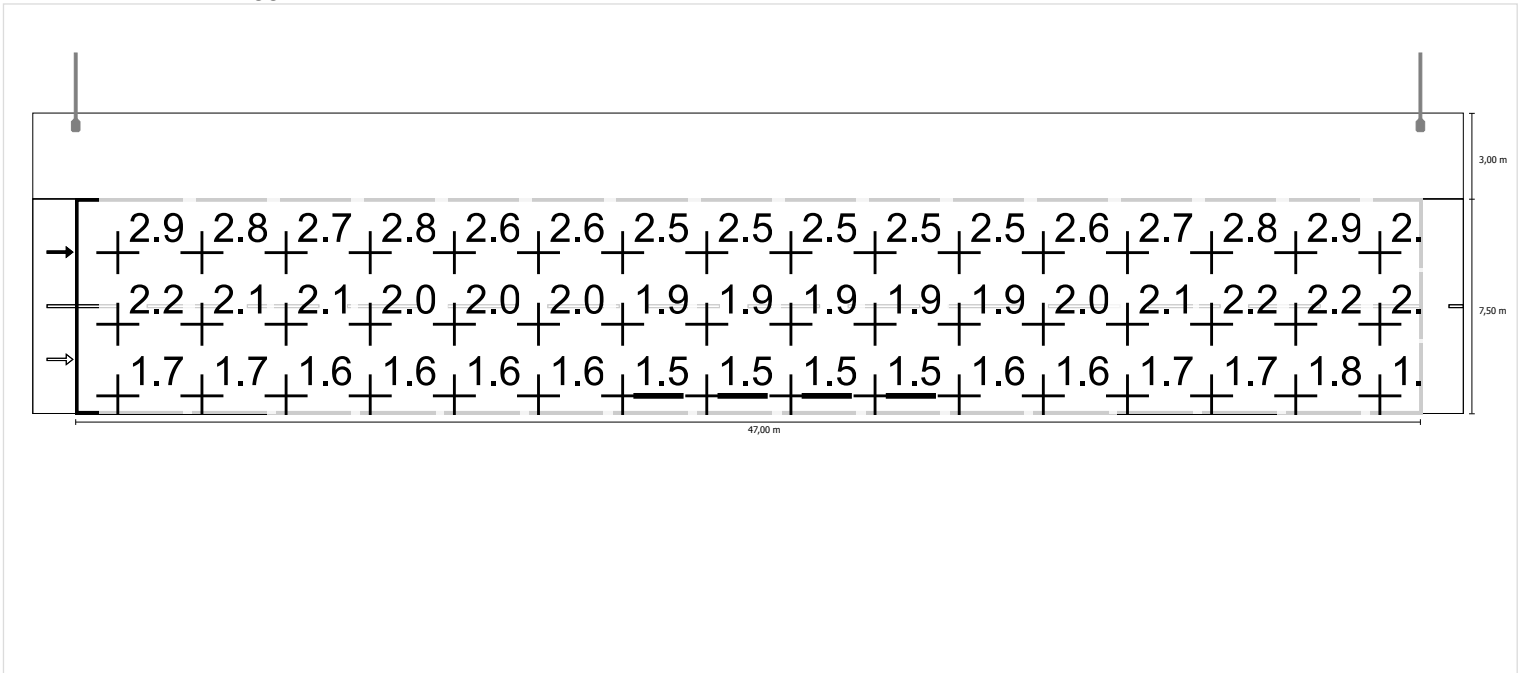
Luminanza con lampada nuova



Scala: 1 : 500

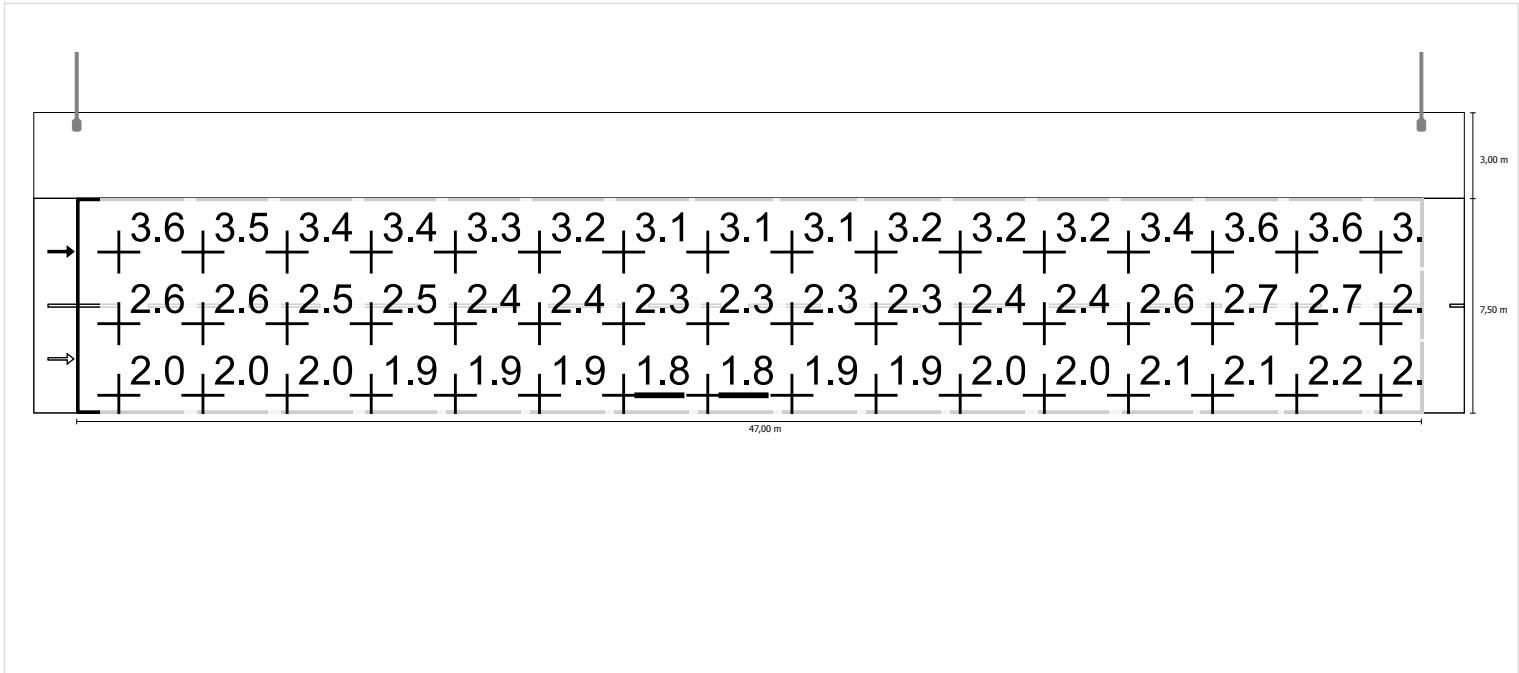
Osservatore 2

Luminanza con carreggiata asciutta



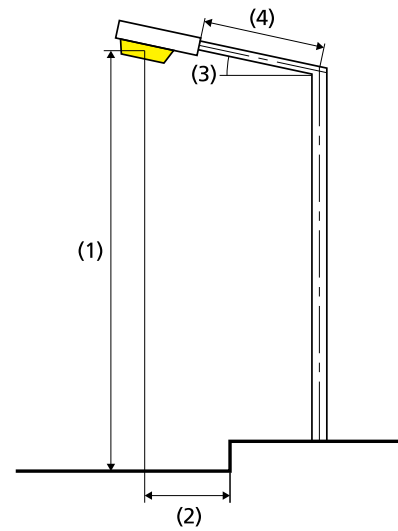
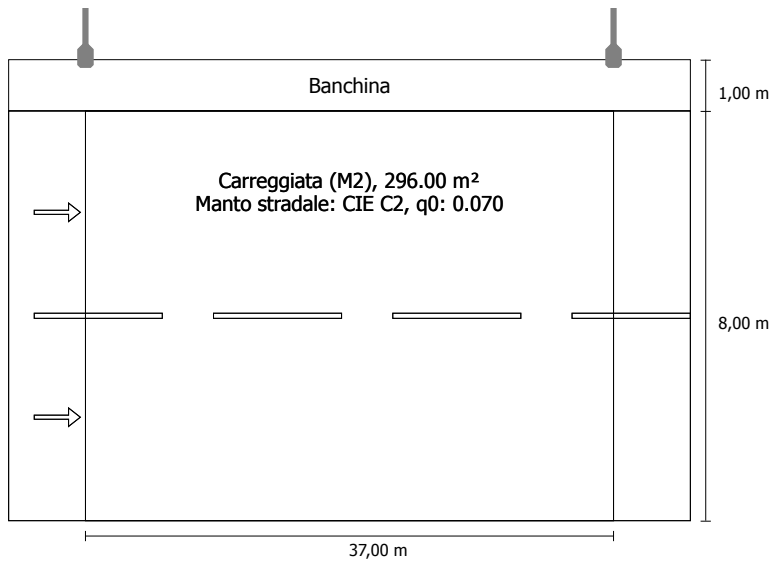
Scala: 1 : 500

Luminanza con lampada nuova



Scala: 1 : 500

Corsia marcia 4+4m e banchina 1m in direzione EN 13201:2015

Philips Lighting BGP623 T25 1 xLED100-4S/740 DW10
1xLED100-4S/740

Risultati per i campi di valutazione

Fattore di diminuzione: 0.67

Carreggiata (M2)

Lm [cd/m ²] ≥ 1.50	Uo ≥ 0.40	UI ≥ 0.70	TI [%] ≤ 10	EIR ≥ 0.35
✓ 1.72	✓ 0.61	✓ 0.80	✓ 9	✓ 0.80

Risultati per gli indicatori dell'efficienza energetica

Indice della densità di potenza (Dp)	0.030 W/lxm ²
Densità di consumo energetico	
Disposizione: BGP623 T25 1 xLED100-4S/740 DW10 (996.0 kWh)	3.4 kWh/m ² p.a.

Flusso luminoso (lampada):	33082.95 lm
Flusso luminoso (lampadina):	36550.00 lm
Ore di esercizio	
4000 h:	100.0 %, 249.0 W
W/km:	6723.0
Disposizione:	su un lato sopra
Distanza pali:	37.000 m
Inclinazione braccio (3):	0.0°
Lunghezza braccio (4):	2.000 m
Altezza fuochi (1):	10.000 m
Sporgenza punto luce (2):	-1.100 m

ULR:	0.00
ULOR:	0.00
Valori massimi dell'intensità luminosa	
per 70°:	437 cd/klm
per 80°:	61.9 cd/klm
per 90°:	0.00 cd/klm
Classe intensità luminose:	G*4

Per tutte le direzioni che, per le lampade installate e utilizzabili, formano l'angolo indicato con le verticali inferiori.

La disposizione rispetta la classe degli indici di abbagliamento D.6

Carreggiata (M2)

Fattore di diminuzione: 0.67

Reticolo: 13 x 6 Punti

Lm [cd/m ²] ≥ 1.50	Uo ≥ 0.40	UI ≥ 0.70	TI [%] ≤ 10	EIR ≥ 0.35
✓ 1.72	✓ 0.61	✓ 0.80	✓ 9	✓ 0.80

Osservatori corrispondenti (2):

Osservatore	Posizione [m]	Lm [cd/m ²] ≥ 1.50	Uo ≥ 0.40	UI ≥ 0.70	TI [%] ≤ 10
Osservatore 1	(-60.000, 2.000, 1.500)	1.88	0.61	0.82	7
Osservatore 2	(-60.000, 6.000, 1.500)	1.72	0.64	0.80	9

Carreggiata (M2)

Illuminamento orizzontale [lx]

7.333	27.3	20.3	16.0	14.2	15.0	18.4	24.3	32.3	40.2	46.7	47.7	42.9	35.5
6.000	28.8	22.0	17.9	16.1	16.9	20.2	25.9	33.2	40.0	44.7	45.1	42.1	36.0
4.667	29.1	23.2	19.3	17.6	18.4	21.5	26.7	33.0	37.9	40.8	41.1	39.1	35.0
3.333	28.5	23.8	20.4	18.7	19.5	22.3	26.6	31.8	35.4	37.2	37.1	36.4	33.4
2.000	27.2	23.5	20.8	19.3	20.0	22.2	25.7	29.5	32.6	33.6	33.7	33.3	30.9
0.667	25.4	22.4	20.6	19.5	20.0	21.6	24.2	27.3	29.4	30.3	30.7	30.4	28.2
m	1.423	4.269	7.115	9.962	12.808	15.654	18.500	21.346	24.192	27.038	29.885	32.731	35.577

Reticolo: 13 x 6 Punti

Em [lx]	Emin [lx]	Emax [lx]	g1	g2
28.3	14.2	47.7	0.503	0.298

Osservatore 1

Luminanza con carreggiata asciutta [cd/m²]

7.333	2.26	2.28	2.44	2.49	2.61	2.71	2.72	2.61	2.42	2.31	2.24	2.29	2.35
6.000	2.28	2.17	2.33	2.40	2.54	2.62	2.62	2.53	2.36	2.23	2.14	2.18	2.20
4.667	2.01	1.96	1.94	1.97	2.14	2.23	2.24	2.21	2.04	1.90	1.82	1.86	1.88
3.333	1.62	1.60	1.60	1.60	1.81	1.88	1.91	1.90	1.78	1.68	1.57	1.60	1.59
2.000	1.36	1.34	1.37	1.38	1.55	1.60	1.65	1.64	1.57	1.46	1.36	1.41	1.40
0.667	1.17	1.15	1.20	1.27	1.37	1.40	1.42	1.44	1.36	1.29	1.25	1.25	1.23
m	1.423	4.269	7.115	9.962	12.808	15.654	18.500	21.346	24.192	27.038	29.885	32.731	35.577

Reticolo: 13 x 6 Punti

Luminanza con lampada nuova [cd/m²]

7.333	2.43	2.68	3.03	3.42	3.83	4.11	4.06	3.82	3.46	3.24	3.12	3.22	3.42
6.000	3.39	3.50	3.93	4.12	4.26	4.20	4.12	3.87	3.63	3.49	3.38	3.45	3.56
4.667	3.52	3.44	3.46	3.41	3.53	3.60	3.54	3.45	3.19	2.99	2.86	2.90	2.95
3.333	2.69	2.57	2.59	2.53	2.83	2.90	2.91	2.88	2.69	2.54	2.40	2.45	2.45
2.000	2.04	2.00	2.04	2.06	2.31	2.39	2.46	2.45	2.35	2.17	2.04	2.10	2.08
0.667	1.69	1.69	1.75	1.85	1.99	2.05	2.09	2.13	2.01	1.91	1.84	1.86	1.82
m	1.423	4.269	7.115	9.962	12.808	15.654	18.500	21.346	24.192	27.038	29.885	32.731	35.577

Reticolo: 13 x 6 Punti

Osservatore 2

Luminanza con carreggiata asciutta [cd/m²]

7.333	2.16	2.02	2.18	2.29	2.47	2.57	2.64	2.56	2.39	2.27	2.16	2.18	2.23
6.000	1.95	1.92	1.92	1.97	2.17	2.32	2.38	2.35	2.18	2.03	1.91	1.93	1.92
4.667	1.61	1.58	1.59	1.63	1.85	1.97	2.04	2.07	1.90	1.79	1.68	1.69	1.66
3.333	1.42	1.36	1.38	1.40	1.61	1.70	1.78	1.81	1.70	1.57	1.46	1.49	1.49
2.000	1.26	1.22	1.24	1.28	1.42	1.49	1.56	1.58	1.52	1.40	1.32	1.35	1.31
0.667	1.12	1.10	1.13	1.19	1.27	1.32	1.36	1.40	1.31	1.25	1.21	1.23	1.18
m	1.423	4.269	7.115	9.962	12.808	15.654	18.500	21.346	24.192	27.038	29.885	32.731	35.577

Reticolo: 13 x 6 Punti

Luminanza con lampada nuova [cd/m²]

7.333	3.49	3.21	3.36	3.57	3.77	3.94	4.00	3.87	3.61	3.43	3.28	3.31	3.43
6.000	2.91	2.87	2.87	2.94	3.24	3.47	3.55	3.50	3.26	3.03	2.86	2.88	2.87
4.667	2.26	2.19	2.20	2.28	2.65	2.84	2.97	3.04	2.80	2.63	2.45	2.46	2.41
3.333	1.95	1.87	1.87	1.94	2.24	2.42	2.57	2.63	2.49	2.31	2.14	2.19	2.17
2.000	1.78	1.71	1.72	1.77	1.98	2.11	2.22	2.30	2.22	2.03	1.92	1.97	1.92
0.667	1.65	1.58	1.59	1.64	1.74	1.84	1.94	2.02	1.91	1.82	1.78	1.79	1.73
m	1.423	4.269	7.115	9.962	12.808	15.654	18.500	21.346	24.192	27.038	29.885	32.731	35.577

Reticolo: 13 x 6 Punti

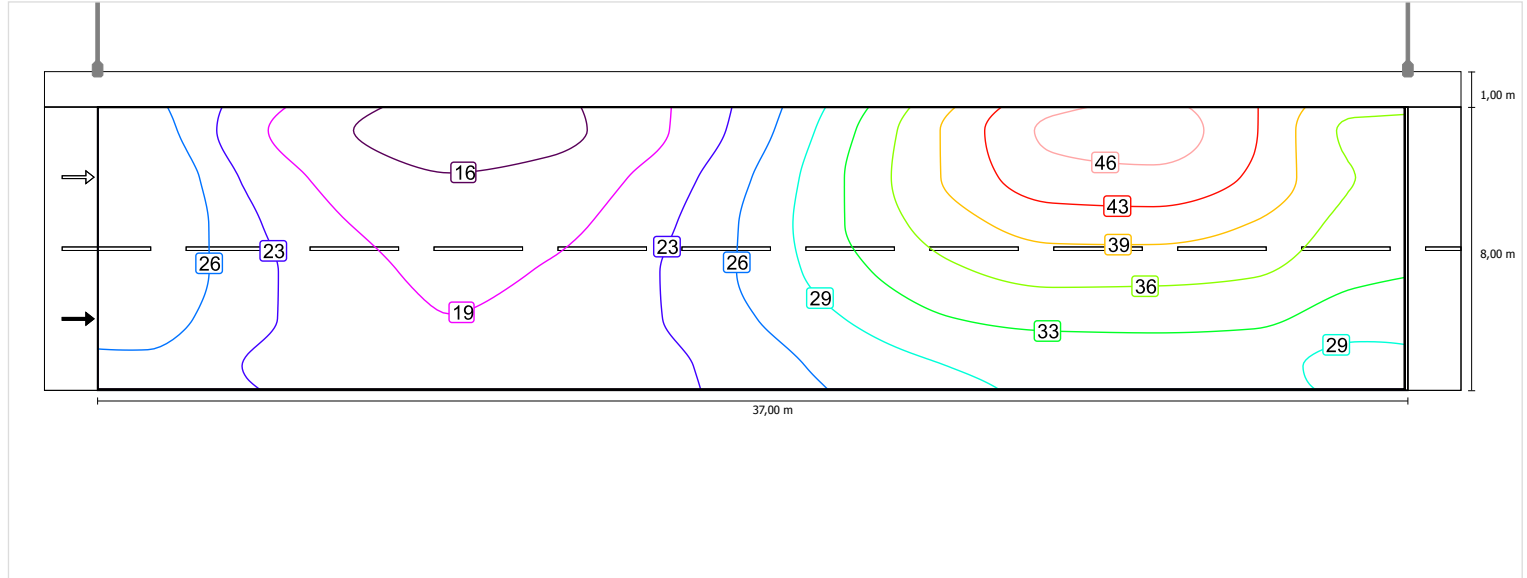
Carreggiata (M2)

Fattore di diminuzione: 0.67

Reticolo: 13 x 6 Punti

Lm [cd/m ²] ≥ 1.50	Uo ≥ 0.40	UI ≥ 0.70	TI [%] ≤ 10	EIR ≥ 0.35
✓ 1.72	✓ 0.61	✓ 0.80	✓ 9	✓ 0.80

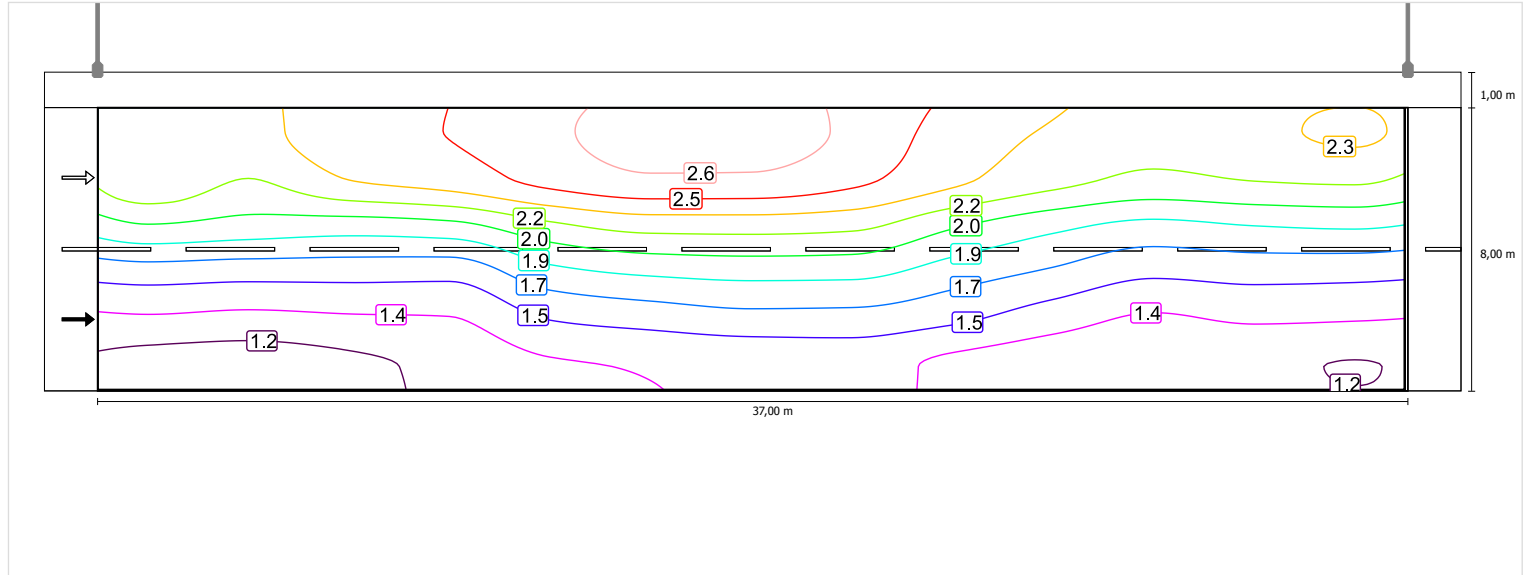
Illuminamento orizzontale



Scala: 1 : 200

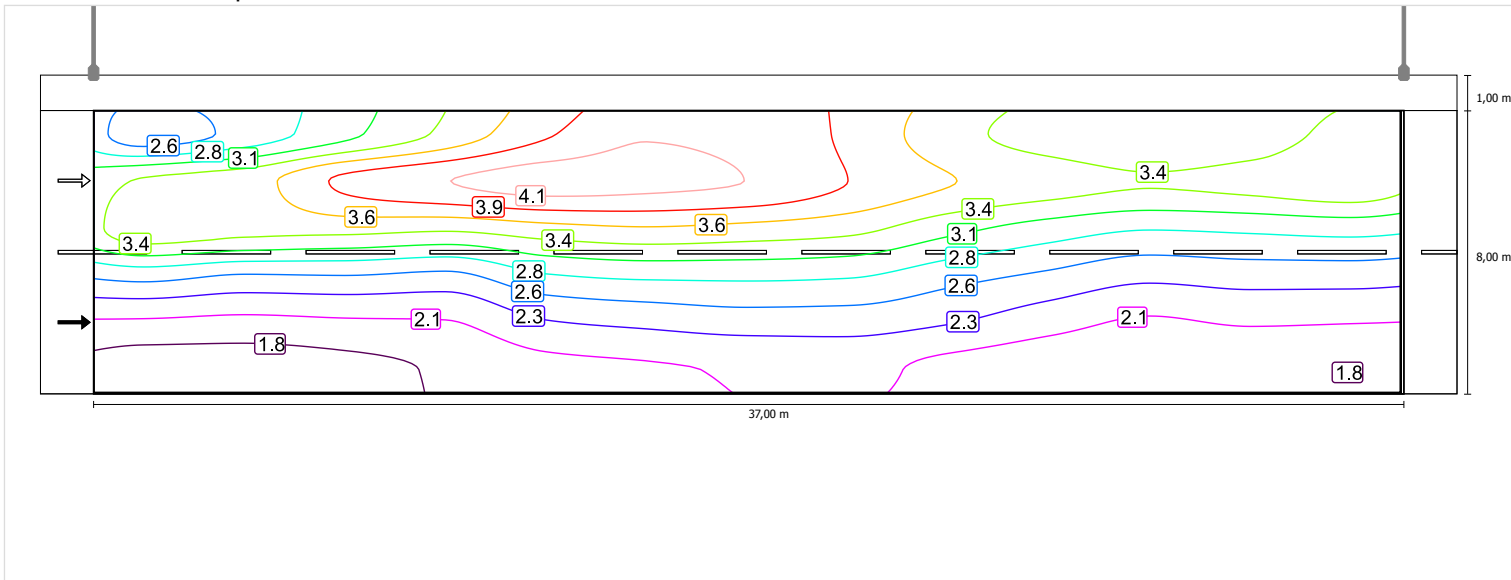
Osservatore 1

Luminanza con carreggiata asciutta



Scala: 1 : 200

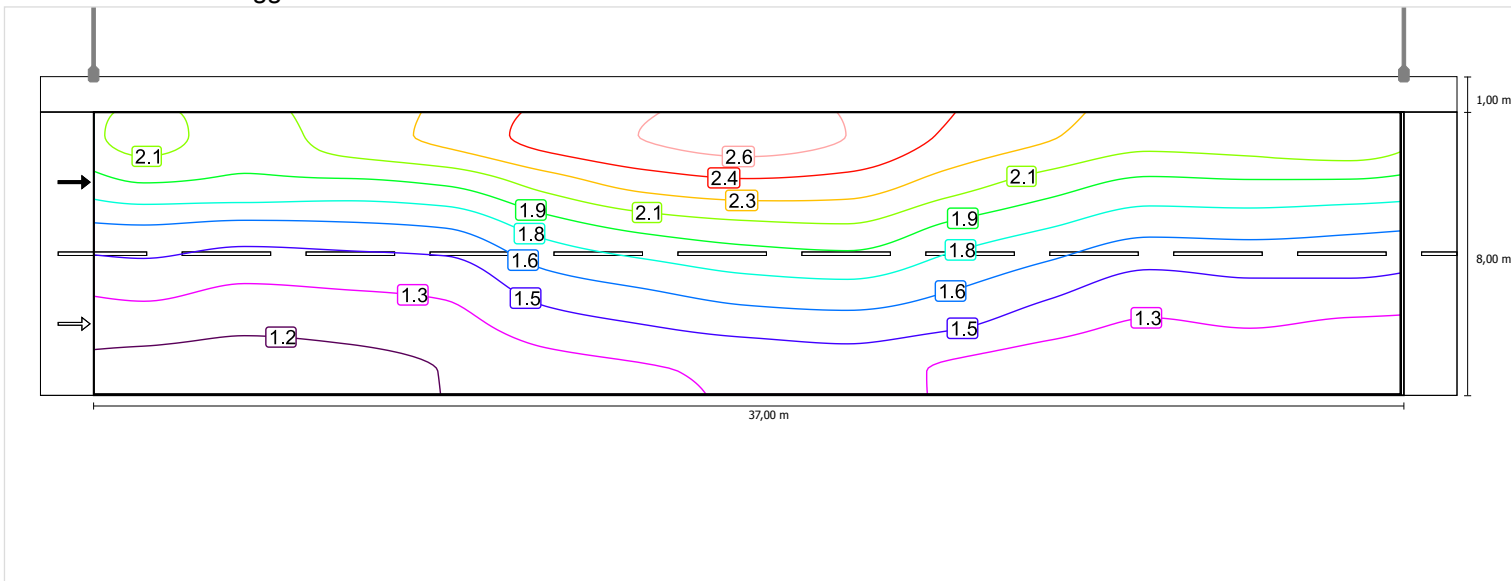
Luminanza con lampada nuova



Scala: 1 : 200

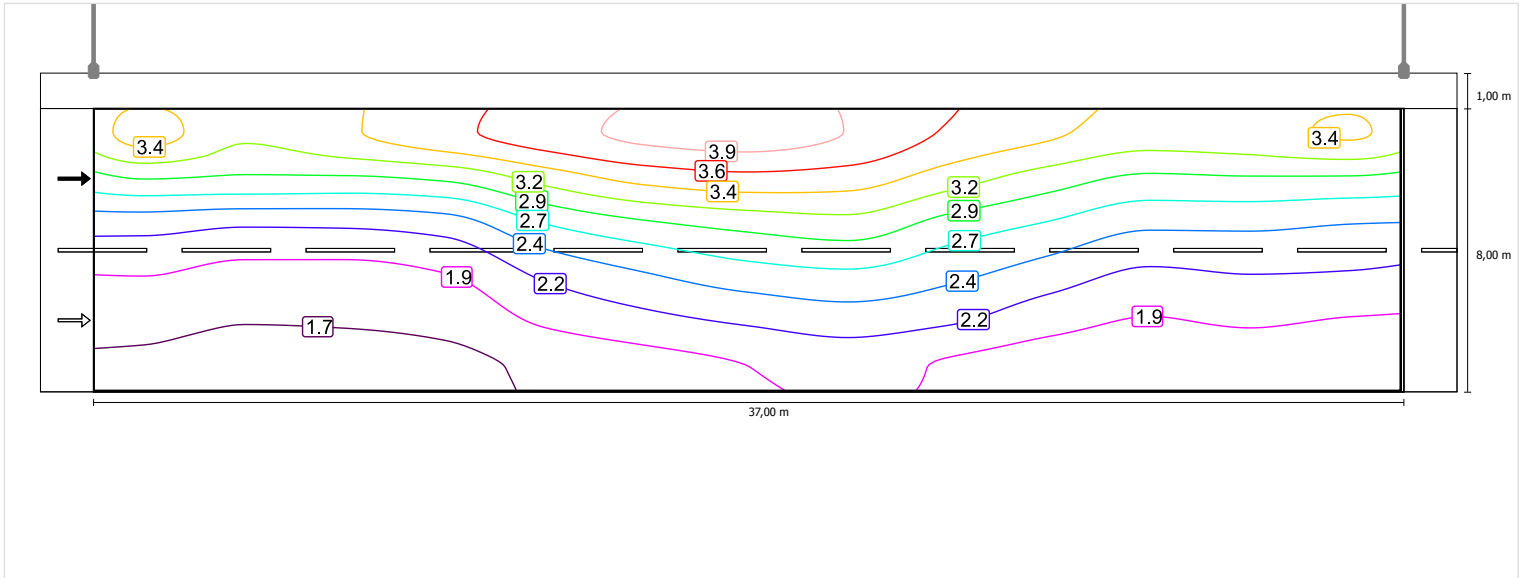
Osservatore 2

Luminanza con carreggiata asciutta



Scala: 1 : 200

Luminanza con lampada nuova



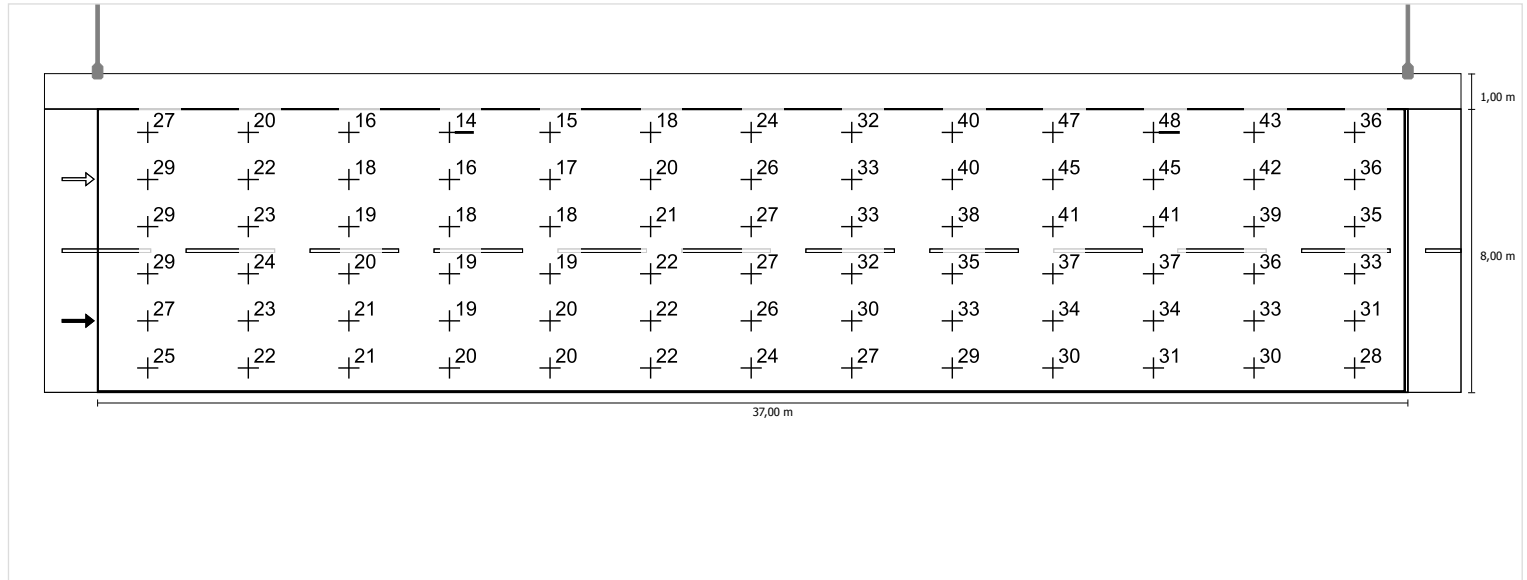
Carreggiata (M2)

Fattore di diminuzione: 0.67

Reticolo: 13 x 6 Punti

Lm [cd/m ²] ≥ 1.50	Uo ≥ 0.40	UI ≥ 0.70	TI [%] ≤ 10	EIR ≥ 0.35
✓ 1.72	✓ 0.61	✓ 0.80	✓ 9	✓ 0.80

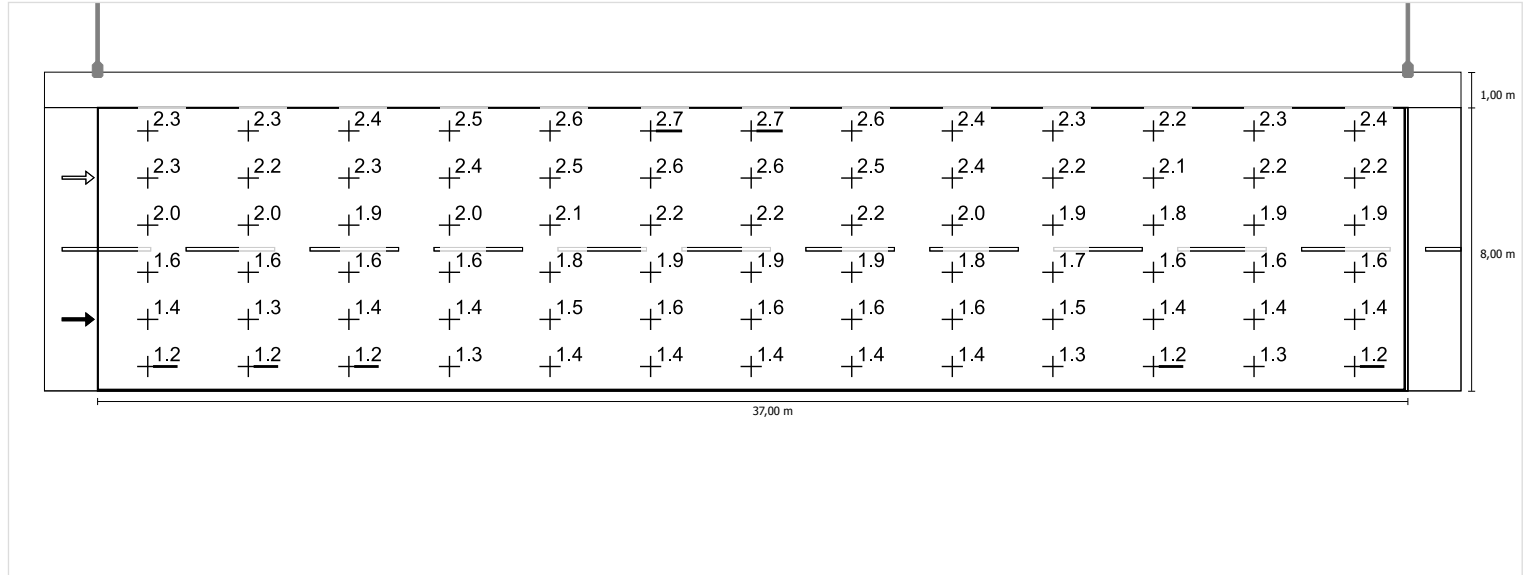
Illuminamento orizzontale



Scala: 1 : 200

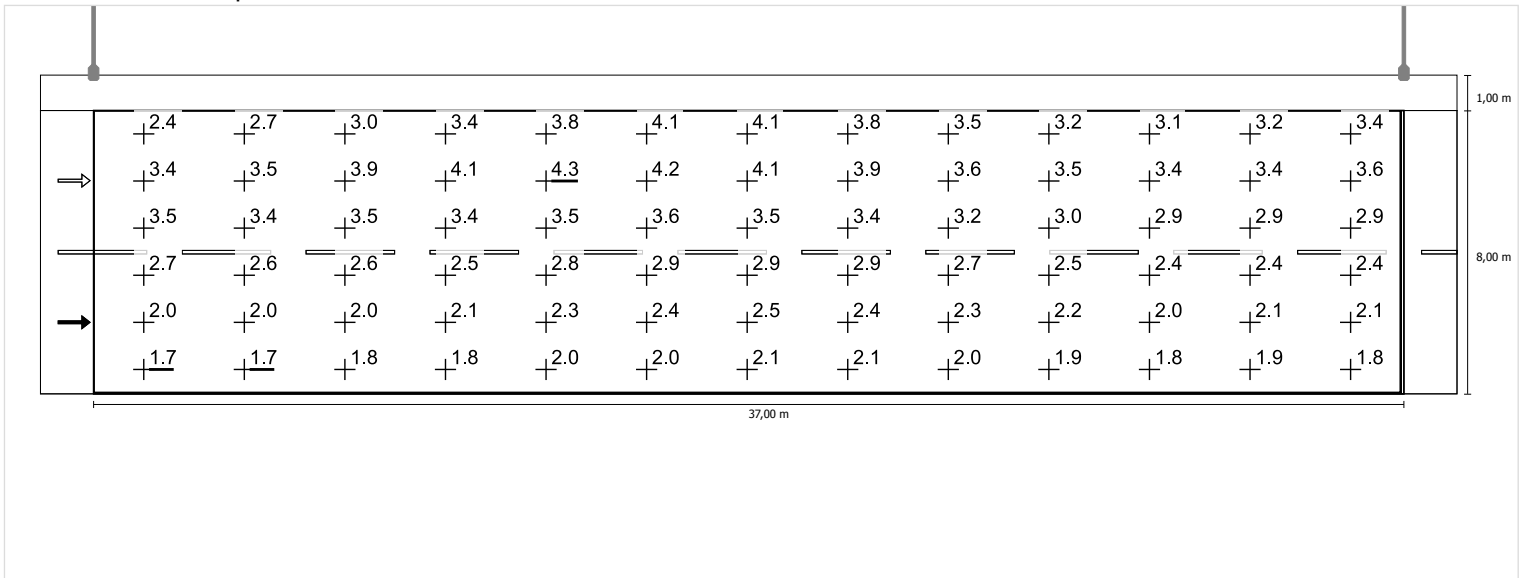
Osservatore 1

Luminanza con carreggiata asciutta



Scala: 1 : 200

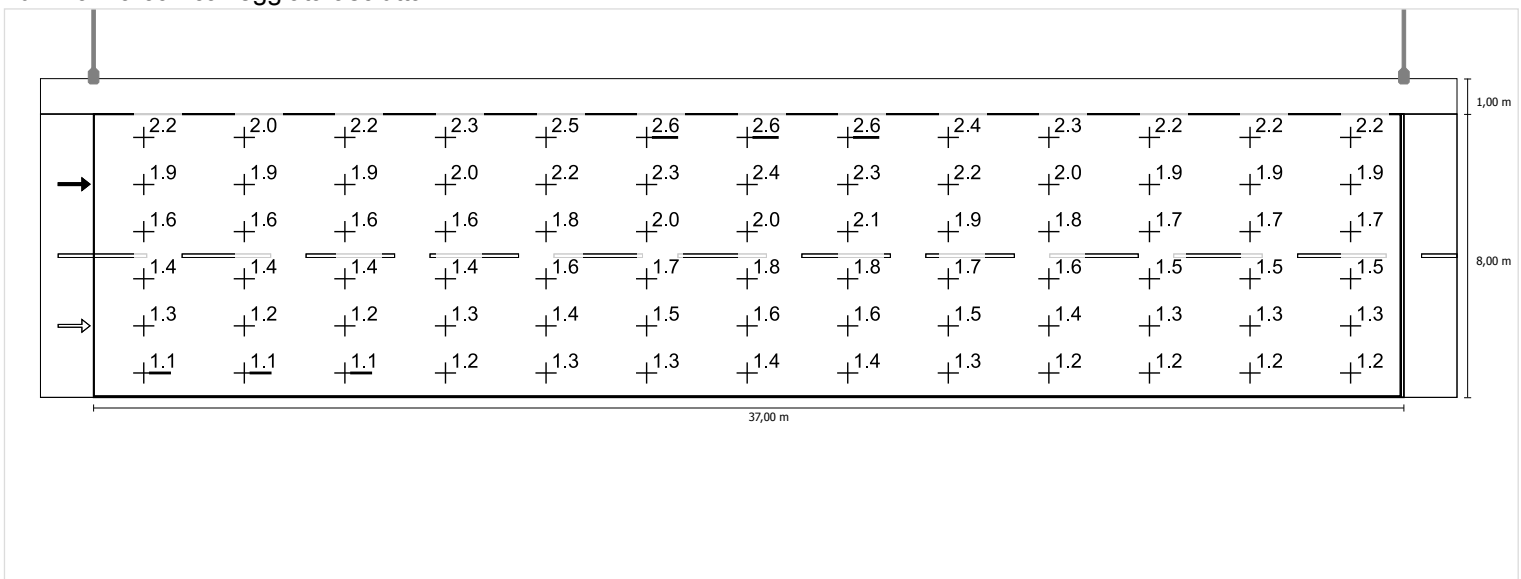
Luminanza con lampada nuova



Scala: 1 : 200

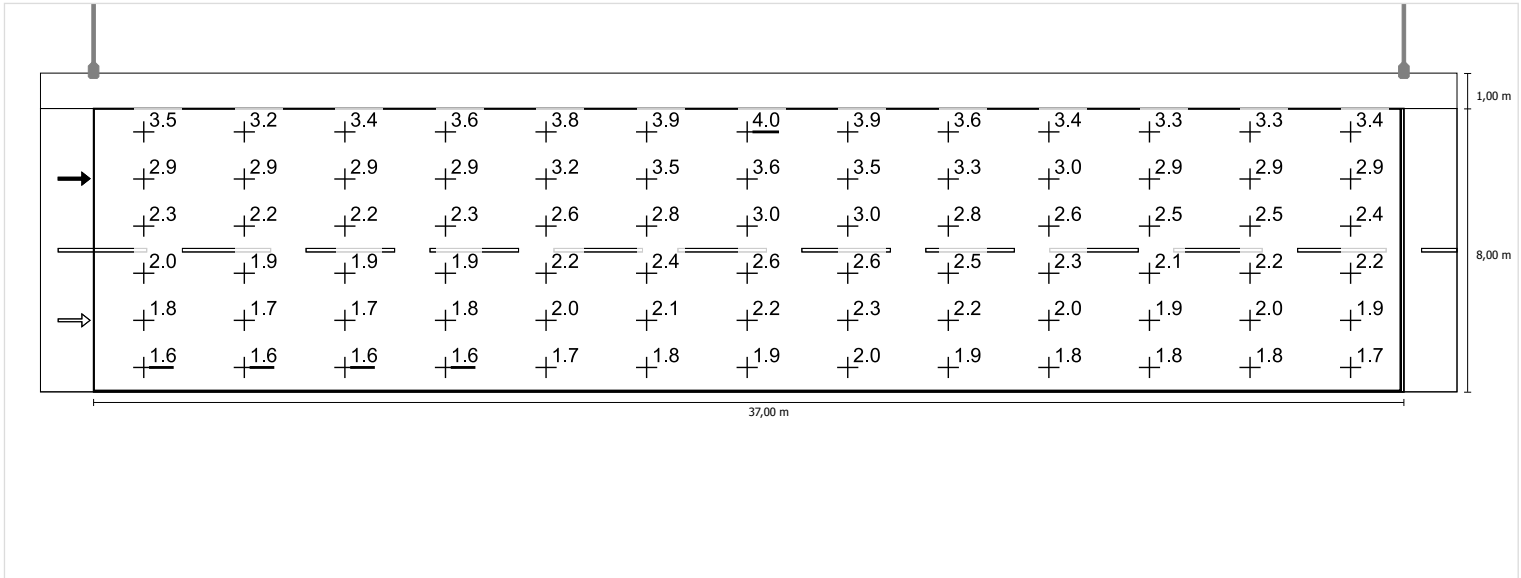
Osservatore 2

Luminanza con carreggiata asciutta



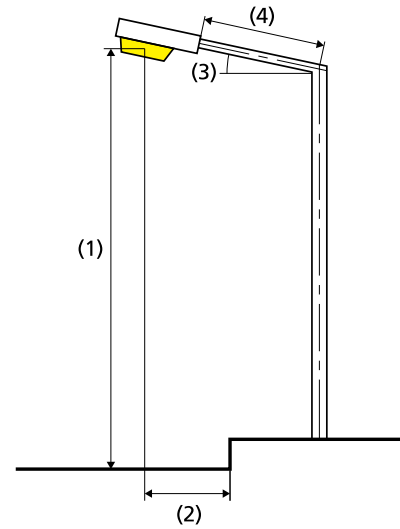
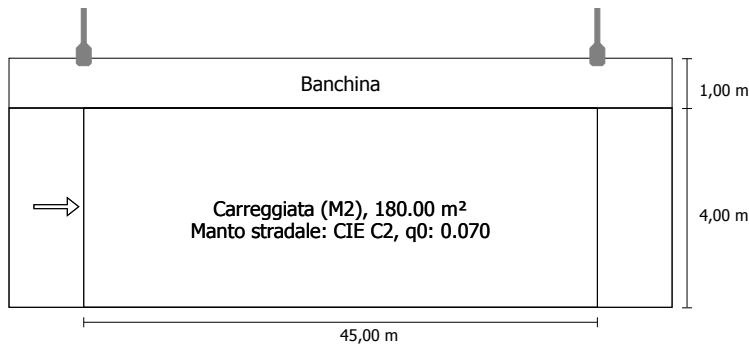
Scala: 1 : 200

Luminanza con lampada nuova



Scala: 1 : 200

03-Corsia marcia 4m su viadotto in direzione EN 13201:2015

Philips Lighting BGP623 T25 1 xLED100-4S/740 DM11
1xLED100-4S/740

Risultati per i campi di valutazione

Fattore di diminuzione: 0.80

Carreggiata (M2)

Lm [cd/m²] ≥ 1.50	Uo ≥ 0.40	UI ≥ 0.70	TI [%] ≤ 10	EIR ≥ 0.35
✓ 1.80	✓ 0.76	✓ 0.81	✓ 8	✓ 0.85

Risultati per gli indicatori dell'efficienza energetica

Indice della densità di potenza (Dp)	0.050 W/lxm²
Densità di consumo energetico	
Disposizione: BGP623 T25 1 xLED100-4S/740 DM11 (816.0 kWh)	4.5 kWh/m² p.a.

Flusso luminoso (lampada):	26985.08 lm
Flusso luminoso (lampadina):	30000.00 lm
Ore di esercizio	
4000 h:	100.0 %, 204.0 W
W/km:	4488.0

Disposizione:	su un lato sopra
Distanza pali:	45.000 m
Inclinazione braccio (3):	0.0°
Lunghezza braccio (4):	2.000 m
Altezza fuochi (1):	12.000 m
Sporgenza punto luce (2):	-1.100 m

ULR:	0.00
ULOR:	0.00
Valori massimi dell'intensità luminosa	
per 70°:	569 cd/klm
per 80°:	157 cd/klm
per 90°:	0.00 cd/klm
Classe intensità luminose:	G*1

Per tutte le direzioni che, per le lampade installate e utilizzabili, formano l'angolo indicato con le verticali inferiori.

La disposizione rispetta la classe degli indici di abbagliamento D.5

Carreggiata (M2)

Fattore di diminuzione: 0.80

Reticolo: 15 x 3 Punti

Lm [cd/m ²] ≥ 1.50	Uo ≥ 0.40	UI ≥ 0.70	TI [%] ≤ 10	EIR ≥ 0.35
✓ 1.80	✓ 0.76	✓ 0.81	✓ 8	✓ 0.85

Osservatori corrispondenti (1):

Osservatore	Posizione [m]	Lm [cd/m ²] ≥ 1.50	Uo ≥ 0.40	UI ≥ 0.70	TI [%] ≤ 10
Osservatore 1	(-60.000, 2.000, 1.500)	1.80	0.76	0.81	8

Carreggiata (M2)

Illuminamento orizzontale [lx]

3.333	13.0	11.3	10.8	11.3	13.0	16.1	20.7	26.6	33.7	40.5	40.5	33.7	26.6	20.7	16.1
2.000	14.2	12.5	12.0	12.5	14.2	17.2	21.4	27.0	33.0	38.7	38.7	33.0	27.0	21.4	17.2
0.667	15.3	13.7	13.1	13.7	15.3	17.9	21.8	26.4	31.3	35.5	35.5	31.3	26.4	21.8	17.9
m	1.500	4.500	7.500	10.500	13.500	16.500	19.500	22.500	25.500	28.500	31.500	34.500	37.500	40.500	43.500

Reticolo: 15 x 3 Punti

Em [lx]	Emin [lx]	Emax [lx]	g1	g2
22.5	10.8	40.5	0.480	0.267

Osservatore 1

Luminanza con carreggiata asciutta [cd/m²]

3.333	1.66	1.84	2.00	2.12	2.20	2.22	2.24	2.19	2.17	2.17	2.07	1.94	1.89	1.78	1.62
2.000	1.65	1.69	1.77	1.87	1.96	2.00	2.00	1.99	1.93	1.95	1.84	1.73	1.66	1.61	1.62
0.667	1.37	1.40	1.47	1.57	1.65	1.68	1.69	1.72	1.67	1.67	1.59	1.53	1.47	1.45	1.44
m	1.500	4.500	7.500	10.500	13.500	16.500	19.500	22.500	25.500	28.500	31.500	34.500	37.500	40.500	43.500

Reticolo: 15 x 3 Punti

Luminanza con lampada nuova [cd/m²]

3.333	2.21	2.36	2.56	2.70	2.81	2.86	2.86	2.79	2.76	2.75	2.63	2.45	2.39	2.25	2.04
2.000	2.06	2.11	2.22	2.34	2.45	2.50	2.50	2.49	2.41	2.44	2.30	2.16	2.08	2.02	2.03
0.667	1.60	1.64	1.73	1.88	2.00	2.04	2.07	2.12	2.05	2.06	1.96	1.87	1.79	1.76	1.75
m	1.500	4.500	7.500	10.500	13.500	16.500	19.500	22.500	25.500	28.500	31.500	34.500	37.500	40.500	43.500

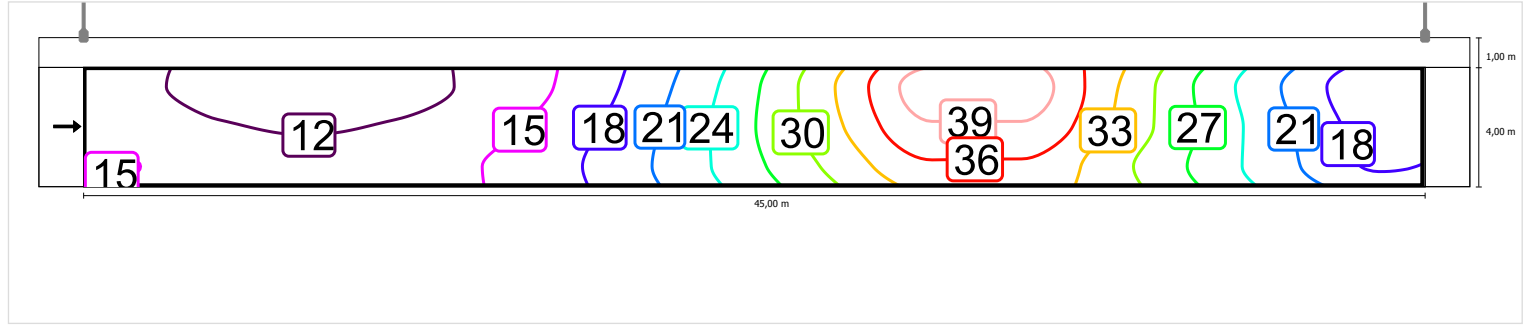
Reticolo: 15 x 3 Punti

Carreggiata (M2)

Fattore di diminuzione: 0.80
 Reticolo: 15 x 3 Punti

Lm [cd/m ²] ≥ 1.50	Uo ≥ 0.40	UI ≥ 0.70	TI [%] ≤ 10	EIR ≥ 0.35
✓ 1.80	✓ 0.76	✓ 0.81	✓ 8	✓ 0.85

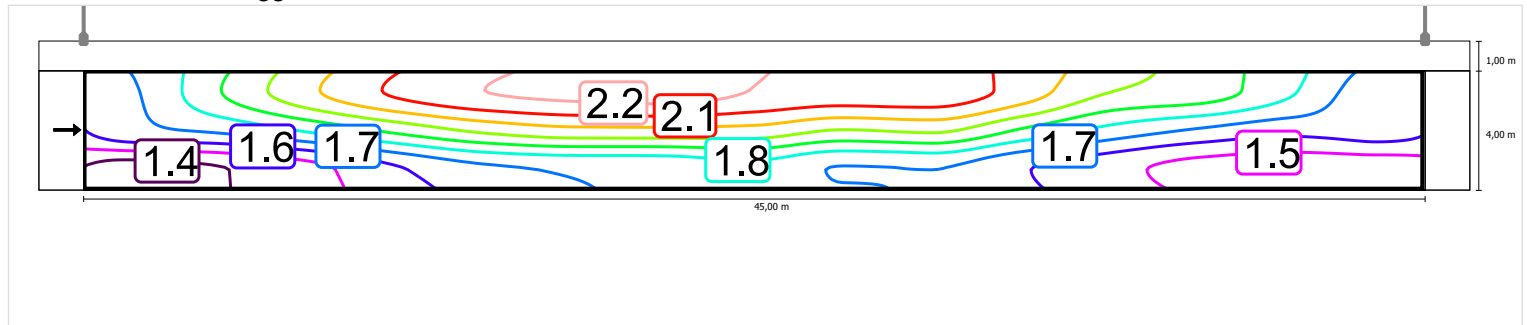
Illuminamento orizzontale



Scala: 1 : 500

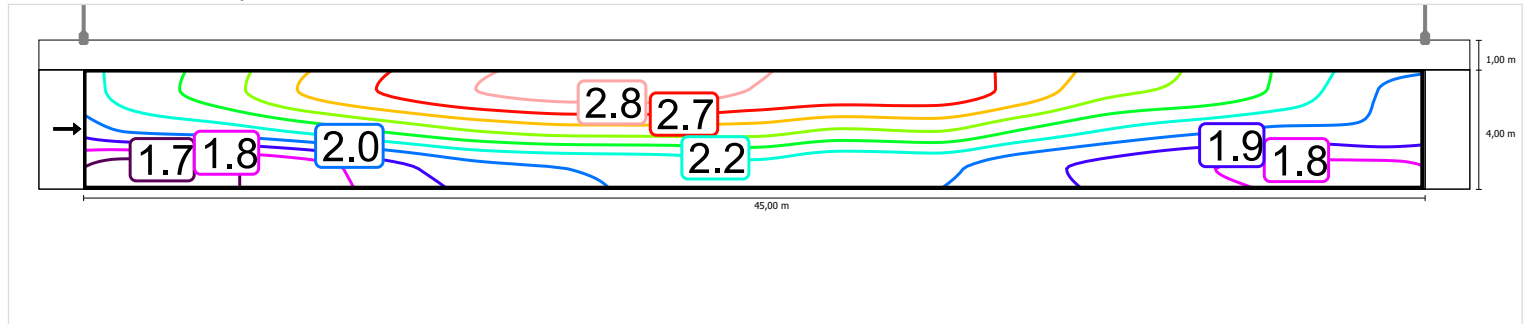
Osservatore 1

Luminanza con carreggiata asciutta



Scala: 1 : 500

Luminanza con lampada nuova



Scala: 1 : 500

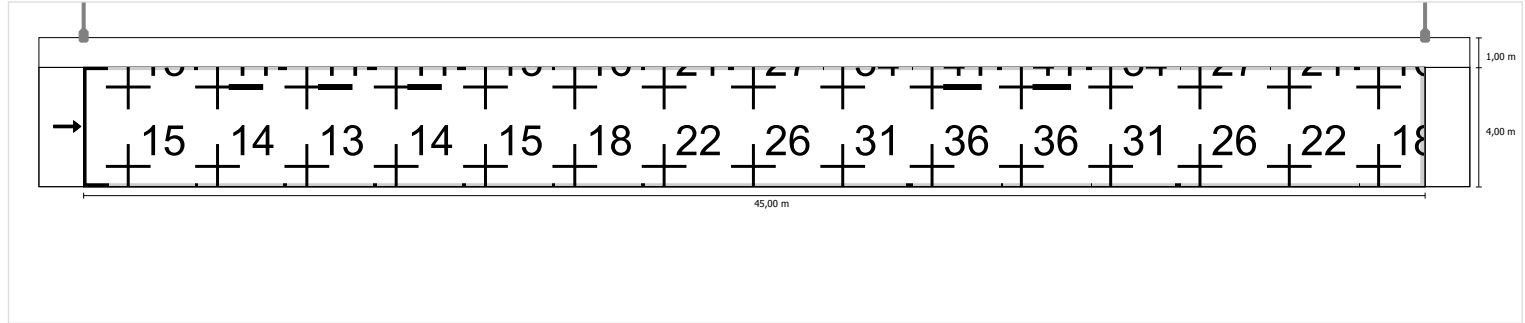
Carreggiata (M2)

Fattore di diminuzione: 0.80

Reticolo: 15 x 3 Punti

Lm [cd/m ²] ≥ 1.50	Uo ≥ 0.40	UI ≥ 0.70	TI [%] ≤ 10	EIR ≥ 0.35
✓ 1.80	✓ 0.76	✓ 0.81	✓ 8	✓ 0.85

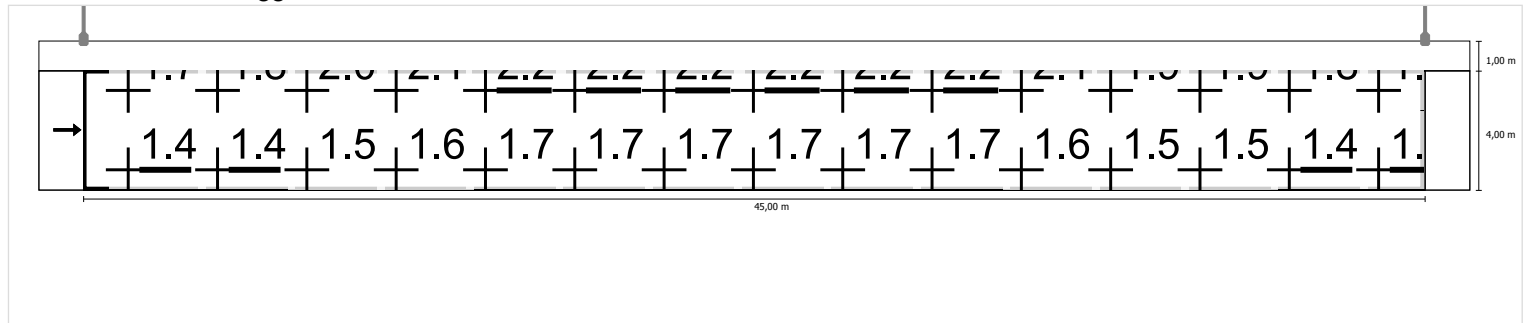
Illuminamento orizzontale



Scala: 1 : 500

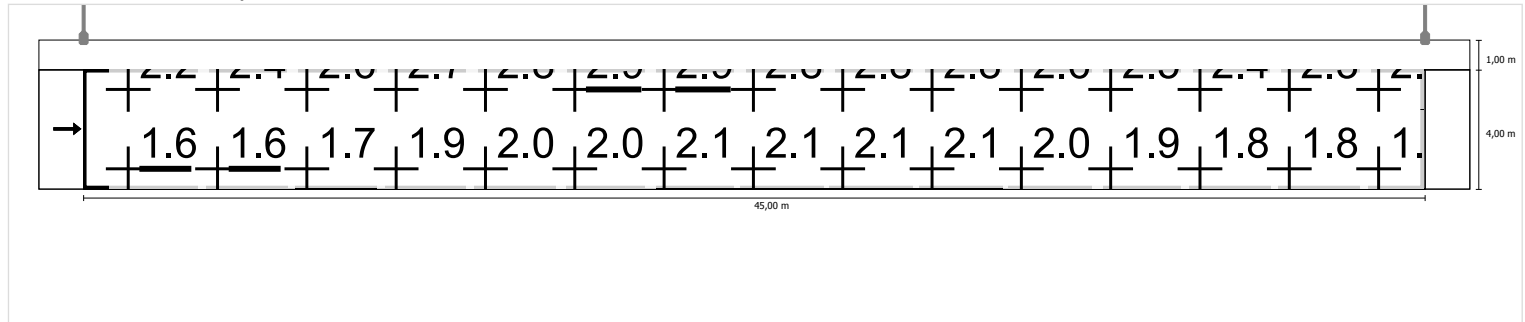
Osservatore 1

Luminanza con carreggiata asciutta

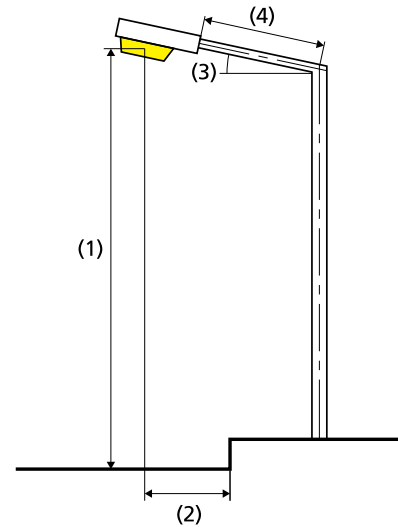
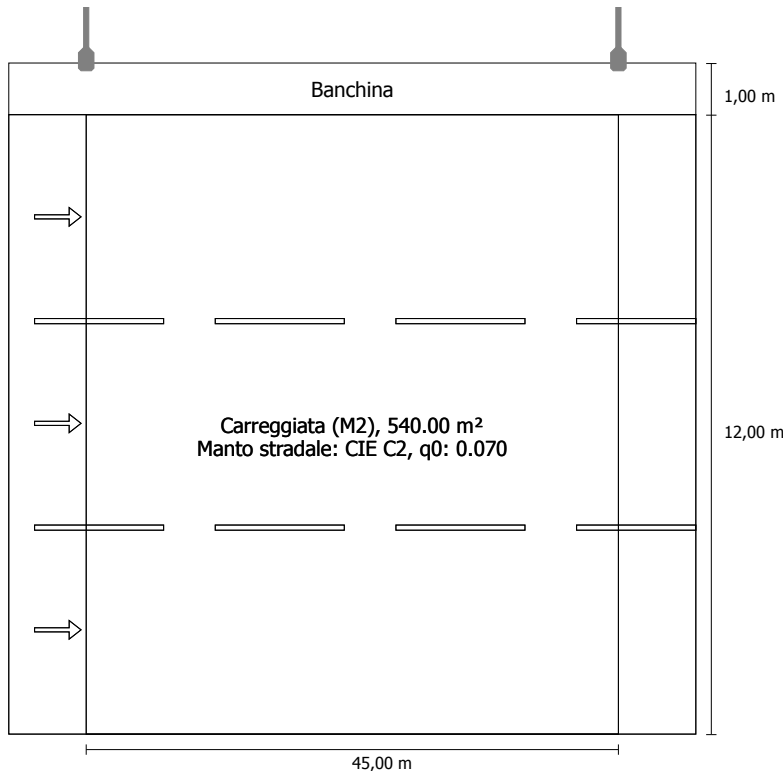


Scala: 1 : 500

Luminanza con lampada nuova



Scala: 1 : 500

05-Corsia marcia 4+4+4m e banchina 1m in direzione EN
13201:2015Philips Lighting BGP623 T25 1 xLED100-4S/740 DW10
1xLED100-4S/740

Flusso luminoso (lampada):	47972.54 lm
Flusso luminoso (lampadina):	53000.00 lm
Ore di esercizio	
4000 h:	100.0 %, 360.0 W
W/km:	7920.0

Disposizione:	su un lato sopra
Distanza pali:	45.000 m
Inclinazione braccio (3):	0.0°
Lunghezza braccio (4):	2.000 m
Altezza fuochi (1):	12.000 m
Sporgenza punto luce (2):	-1.100 m

ULR: 0.00

ULOR: 0.00

Valori massimi dell'intensità luminosa

per 70°: 437 cd/klm

per 80°: 61.9 cd/klm

per 90°: 0.00 cd/klm

Classe intensità luminose: G*4

Per tutte le direzioni che, per le lampade installate e utilizzabili, formano l'angolo indicato con le verticali inferiori.

La disposizione rispetta la classe degli indici di abbagliamento D.5

Risultati per i campi di valutazione

Fattore di diminuzione: 0.67

Carreggiata (M2)

Lm [cd/m ²] ≥ 1.50	Uo ≥ 0.40	UI ≥ 0.70	TI [%] ≤ 10	EIR ≥ 0.35
✓ 1.59	✓ 0.57	✓ 0.79	✓ 10	✓ 0.79

Risultati per gli indicatori dell'efficienza energetica

Indice della densità di potenza (Dp) 0.025 W/lxm²

Densità di consumo energetico

Disposizione: BGP623 T25 1 xLED100-4S/740 DW10 (1440.0 kWh) 2.7 kWh/m² p.a.

Carreggiata (M2)

Fattore di diminuzione: 0.67

Reticolo: 15 x 9 Punti

Lm [cd/m ²] ≥ 1.50	Uo ≥ 0.40	UI ≥ 0.70	TI [%] ≤ 10	EIR ≥ 0.35
✓ 1.59	✓ 0.57	✓ 0.79	✓ 10	✓ 0.79

Osservatori corrispondenti (3):

Osservatore	Posizione [m]	Lm [cd/m ²] ≥ 1.50	Uo ≥ 0.40	UI ≥ 0.70	TI [%] ≤ 10
Osservatore 1	(-60.000, 2.000, 1.500)	1.81	0.57	0.84	6
Osservatore 2	(-60.000, 6.000, 1.500)	1.71	0.58	0.79	8
Osservatore 3	(-60.000, 10.000, 1.500)	1.59	0.61	0.80	10

Carreggiata (M2)

Illuminamento orizzontale [lx]

11.333	17.2	14.4	13.5	14.4	17.2	21.9	28.8	36.2	42.9	47.6	47.6	42.9	36.2	28.8	21.9
10.000	18.9	16.0	14.9	16.0	18.9	23.5	30.3	37.0	42.9	46.5	46.5	42.9	37.0	30.3	23.5
8.667	20.1	17.2	16.3	17.2	20.1	24.6	30.9	36.6	41.1	43.3	43.3	41.1	36.6	30.9	24.6
7.333	21.1	18.4	17.4	18.4	21.1	25.2	30.6	35.2	38.4	40.0	40.0	38.4	35.2	30.6	25.2
6.000	21.6	19.2	18.2	19.2	21.6	25.2	29.6	33.7	36.1	36.9	36.9	36.1	33.7	29.6	25.2
4.667	21.7	19.6	18.7	19.6	21.7	24.7	28.2	31.6	33.6	33.8	33.8	33.6	31.6	28.2	24.7
3.333	21.3	19.7	19.0	19.7	21.3	23.7	26.6	29.0	31.1	31.1	31.1	31.1	29.0	26.6	23.7
2.000	20.6	19.5	18.9	19.5	20.6	22.5	24.8	26.8	29.0	28.9	28.9	29.0	26.8	24.8	22.5
0.667	19.6	18.9	18.6	18.9	19.6	21.1	23.2	24.9	27.1	26.8	26.8	27.1	24.9	23.2	21.1
m	1.500	4.500	7.500	10.500	13.500	16.500	19.500	22.500	25.500	28.500	31.500	34.500	37.500	40.500	43.500

Reticolo: 15 x 9 Punti

Em [lx]	Emin [lx]	Emax [lx]	g1	g2
27.2	13.5	47.6	0.497	0.284

Osservatore 1

Luminanza con carreggiata asciutta [cd/m²]

11.333	1.96	2.09	2.29	2.48	2.65	2.67	2.60	2.40	2.21	2.08	2.02	2.03	2.11	2.15	2.03
10.000	2.31	2.61	2.70	2.81	2.88	2.80	2.72	2.50	2.33	2.28	2.24	2.31	2.38	2.43	2.30
8.667	2.29	2.50	2.61	2.67	2.69	2.66	2.59	2.48	2.29	2.20	2.15	2.21	2.26	2.26	2.19
7.333	2.20	2.18	2.17	2.29	2.33	2.32	2.24	2.19	2.01	1.94	1.87	1.91	1.95	1.97	1.95
6.000	1.76	1.79	1.79	1.95	1.98	1.98	1.95	1.89	1.78	1.69	1.64	1.68	1.71	1.66	1.64
4.667	1.47	1.48	1.50	1.66	1.69	1.73	1.72	1.68	1.60	1.49	1.42	1.44	1.46	1.44	1.44
3.333	1.26	1.29	1.35	1.45	1.50	1.52	1.50	1.48	1.42	1.33	1.28	1.32	1.29	1.23	1.26
2.000	1.12	1.19	1.24	1.30	1.31	1.33	1.32	1.32	1.27	1.21	1.18	1.19	1.17	1.11	1.12
0.667	1.03	1.09	1.13	1.14	1.15	1.16	1.20	1.18	1.17	1.11	1.10	1.13	1.08	1.03	1.03
m	1.500	4.500	7.500	10.500	13.500	16.500	19.500	22.500	25.500	28.500	31.500	34.500	37.500	40.500	43.500

Reticolo: 15 x 9 Punti

Luminanza con lampada nuova [cd/m²]

11.333	1.76	2.01	2.42	3.05	3.60	3.86	3.82	3.47	3.16	2.91	2.74	2.71	2.73	2.85	2.90
10.000	2.51	3.02	3.64	4.18	4.44	4.34	4.11	3.64	3.29	3.14	3.06	3.19	3.40	3.53	3.55
8.667	3.37	4.00	4.46	4.56	4.48	4.28	3.98	3.67	3.38	3.29	3.33	3.50	3.59	3.65	3.36
7.333	3.77	4.04	4.08	4.00	3.93	3.77	3.59	3.46	3.18	3.11	3.04	3.11	3.16	3.15	3.13
6.000	3.42	3.27	3.17	3.27	3.26	3.18	3.06	2.98	2.79	2.64	2.55	2.63	2.69	2.65	2.58
4.667	2.53	2.49	2.44	2.65	2.67	2.67	2.63	2.56	2.44	2.29	2.19	2.23	2.23	2.21	2.21
3.333	1.96	2.02	2.06	2.22	2.28	2.31	2.27	2.23	2.14	1.99	1.93	1.98	1.95	1.86	1.89
2.000	1.67	1.77	1.85	1.94	1.95	1.99	1.97	1.97	1.90	1.81	1.77	1.78	1.75	1.66	1.68
0.667	1.51	1.59	1.67	1.67	1.70	1.72	1.78	1.75	1.74	1.66	1.64	1.69	1.60	1.54	1.53
m	1.500	4.500	7.500	10.500	13.500	16.500	19.500	22.500	25.500	28.500	31.500	34.500	37.500	40.500	43.500

Reticolo: 15 x 9 Punti

Osservatore 2

Luminanza con carreggiata asciutta [cd/m²]

11.333	2.12	2.35	2.46	2.53	2.67	2.67	2.65	2.47	2.32	2.23	2.19	2.21	2.26	2.32	2.30
10.000	2.17	2.36	2.49	2.63	2.69	2.72	2.66	2.51	2.34	2.28	2.20	2.23	2.26	2.25	2.12
8.667	2.10	2.10	2.15	2.28	2.39	2.42	2.39	2.32	2.12	2.01	1.93	1.96	1.95	2.00	1.99
7.333	1.70	1.74	1.80	1.95	2.06	2.09	2.06	2.01	1.86	1.77	1.70	1.73	1.74	1.74	1.68
6.000	1.45	1.46	1.52	1.69	1.77	1.83	1.84	1.79	1.69	1.58	1.50	1.51	1.53	1.51	1.49
4.667	1.27	1.29	1.34	1.49	1.57	1.63	1.63	1.60	1.52	1.40	1.34	1.39	1.38	1.33	1.32
3.333	1.14	1.20	1.25	1.35	1.40	1.44	1.44	1.42	1.38	1.27	1.24	1.26	1.23	1.19	1.19
2.000	1.05	1.12	1.15	1.21	1.24	1.26	1.28	1.27	1.23	1.17	1.15	1.17	1.13	1.06	1.09
0.667	0.99	1.03	1.08	1.09	1.10	1.12	1.17	1.15	1.14	1.10	1.08	1.11	1.05	1.01	1.01
m	1.500	4.500	7.500	10.500	13.500	16.500	19.500	22.500	25.500	28.500	31.500	34.500	37.500	40.500	43.500

Reticolo: 15 x 9 Punti

Luminanza con lampada nuova [cd/m²]

11.333	2.70	3.02	3.36	3.68	3.95	3.98	3.89	3.60	3.34	3.17	3.10	3.15	3.29	3.32	3.25
10.000	3.42	3.90	4.02	4.16	4.24	4.14	4.04	3.76	3.54	3.49	3.40	3.43	3.49	3.50	3.22
8.667	3.40	3.56	3.61	3.71	3.80	3.78	3.70	3.56	3.27	3.11	3.00	3.05	3.05	3.09	3.07
7.333	2.78	2.75	2.84	3.03	3.17	3.19	3.14	3.05	2.80	2.68	2.57	2.63	2.64	2.64	2.56
6.000	2.16	2.17	2.27	2.53	2.65	2.73	2.75	2.68	2.52	2.36	2.24	2.25	2.29	2.26	2.23
4.667	1.82	1.86	1.95	2.17	2.29	2.39	2.41	2.38	2.26	2.08	1.99	2.06	2.04	1.96	1.95
3.333	1.64	1.72	1.78	1.94	2.02	2.09	2.12	2.09	2.03	1.88	1.82	1.87	1.82	1.76	1.75
2.000	1.53	1.59	1.65	1.72	1.78	1.82	1.88	1.87	1.81	1.73	1.71	1.72	1.67	1.58	1.61
0.667	1.43	1.49	1.55	1.57	1.59	1.64	1.71	1.68	1.67	1.62	1.60	1.64	1.55	1.50	1.49
m	1.500	4.500	7.500	10.500	13.500	16.500	19.500	22.500	25.500	28.500	31.500	34.500	37.500	40.500	43.500

Reticolo: 15 x 9 Punti

Osservatore 3

Luminanza con carreggiata asciutta [cd/m²]

11.333	2.03	2.22	2.33	2.44	2.57	2.61	2.62	2.46	2.32	2.23	2.17	2.16	2.21	2.18	2.01
10.000	1.99	2.01	2.09	2.25	2.41	2.47	2.48	2.36	2.18	2.10	1.99	1.99	1.98	2.00	1.99
8.667	1.62	1.66	1.77	1.95	2.09	2.17	2.20	2.15	1.96	1.86	1.77	1.78	1.76	1.77	1.73
7.333	1.41	1.41	1.51	1.71	1.83	1.90	1.95	1.90	1.77	1.67	1.57	1.57	1.55	1.55	1.52
6.000	1.26	1.28	1.34	1.52	1.61	1.70	1.75	1.71	1.62	1.50	1.42	1.45	1.45	1.41	1.35
4.667	1.15	1.19	1.23	1.38	1.46	1.54	1.57	1.56	1.48	1.35	1.30	1.33	1.31	1.27	1.26
3.333	1.08	1.13	1.16	1.26	1.31	1.36	1.40	1.37	1.33	1.23	1.21	1.24	1.19	1.15	1.15
2.000	1.02	1.07	1.10	1.14	1.18	1.20	1.25	1.24	1.20	1.15	1.13	1.14	1.11	1.06	1.06
0.667	0.96	1.00	1.04	1.05	1.06	1.10	1.14	1.12	1.11	1.08	1.07	1.09	1.03	1.00	0.99
m	1.500	4.500	7.500	10.500	13.500	16.500	19.500	22.500	25.500	28.500	31.500	34.500	37.500	40.500	43.500

Reticolo: 15 x 9 Punti

Luminanza con lampada nuova [cd/m²]

11.333	3.27	3.42	3.58	3.70	3.88	3.94	3.95	3.71	3.50	3.36	3.28	3.26	3.32	3.30	3.02
10.000	2.97	3.00	3.11	3.36	3.59	3.69	3.70	3.52	3.25	3.13	2.98	2.96	2.95	2.98	2.97
8.667	2.28	2.34	2.50	2.79	3.03	3.16	3.23	3.18	2.91	2.75	2.61	2.62	2.58	2.59	2.53
7.333	1.90	1.95	2.09	2.38	2.59	2.75	2.84	2.78	2.59	2.43	2.28	2.29	2.27	2.27	2.21
6.000	1.72	1.76	1.86	2.10	2.27	2.44	2.55	2.52	2.38	2.20	2.09	2.13	2.10	2.03	1.97
4.667	1.62	1.65	1.69	1.91	2.05	2.18	2.27	2.27	2.16	1.96	1.91	1.97	1.93	1.86	1.82
3.333	1.55	1.57	1.60	1.72	1.83	1.93	2.03	1.99	1.95	1.80	1.78	1.82	1.74	1.70	1.69
2.000	1.47	1.51	1.55	1.62	1.65	1.75	1.81	1.80	1.74	1.69	1.67	1.68	1.63	1.56	1.57
0.667	1.37	1.42	1.50	1.52	1.52	1.59	1.65	1.61	1.65	1.60	1.57	1.61	1.51	1.49	1.46
m	1.500	4.500	7.500	10.500	13.500	16.500	19.500	22.500	25.500	28.500	31.500	34.500	37.500	40.500	43.500

Reticolo: 15 x 9 Punti

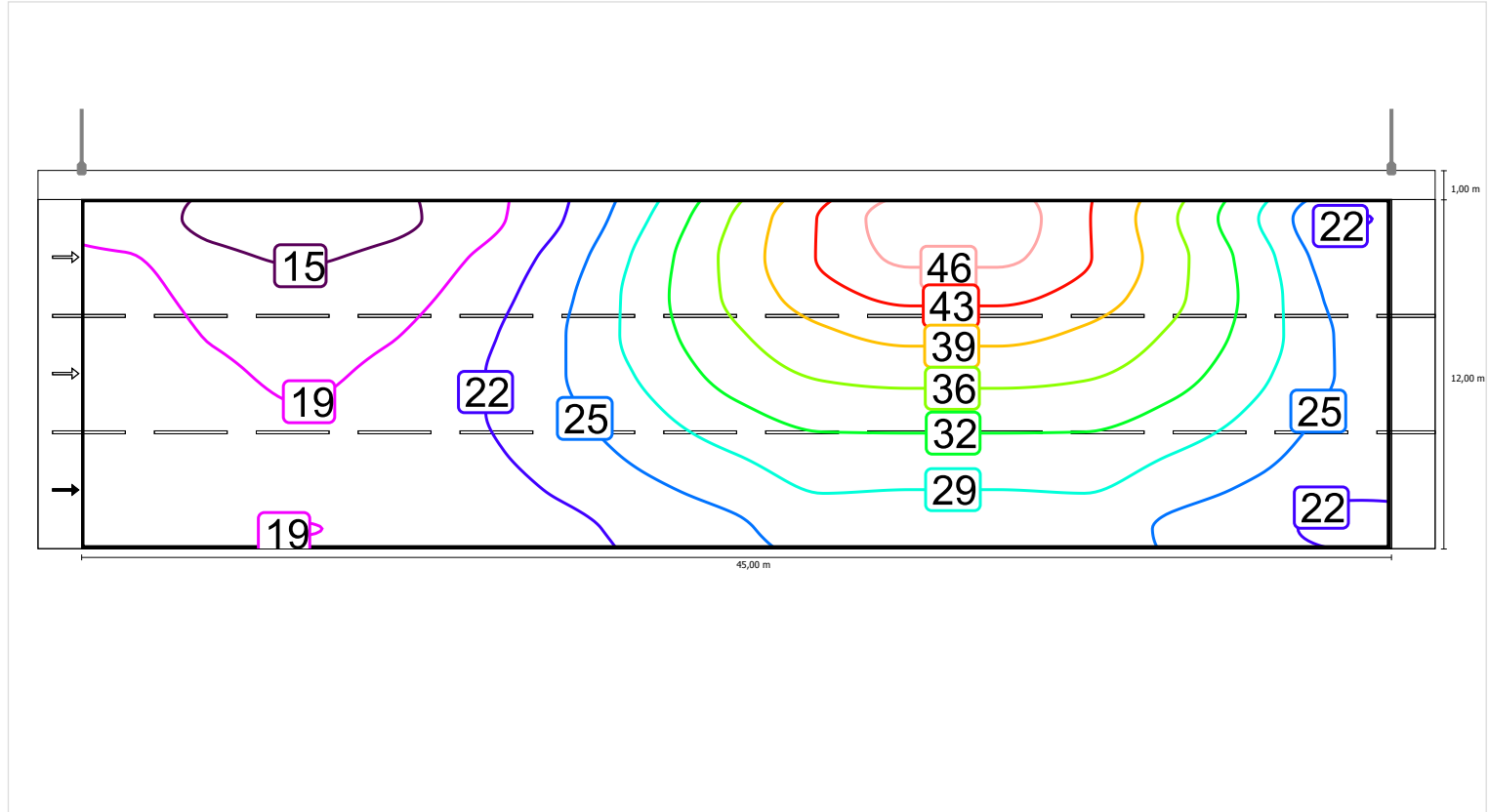
Carreggiata (M2)

Fattore di diminuzione: 0.67

Reticolo: 15 x 9 Punti

Lm [cd/m ²]	Uo	UI	Tl [%]	EIR
≥ 1.50	≥ 0.40	≥ 0.70	≤ 10	≥ 0.35
✓ 1.59	✓ 0.57	✓ 0.79	✓ 10	✓ 0.79

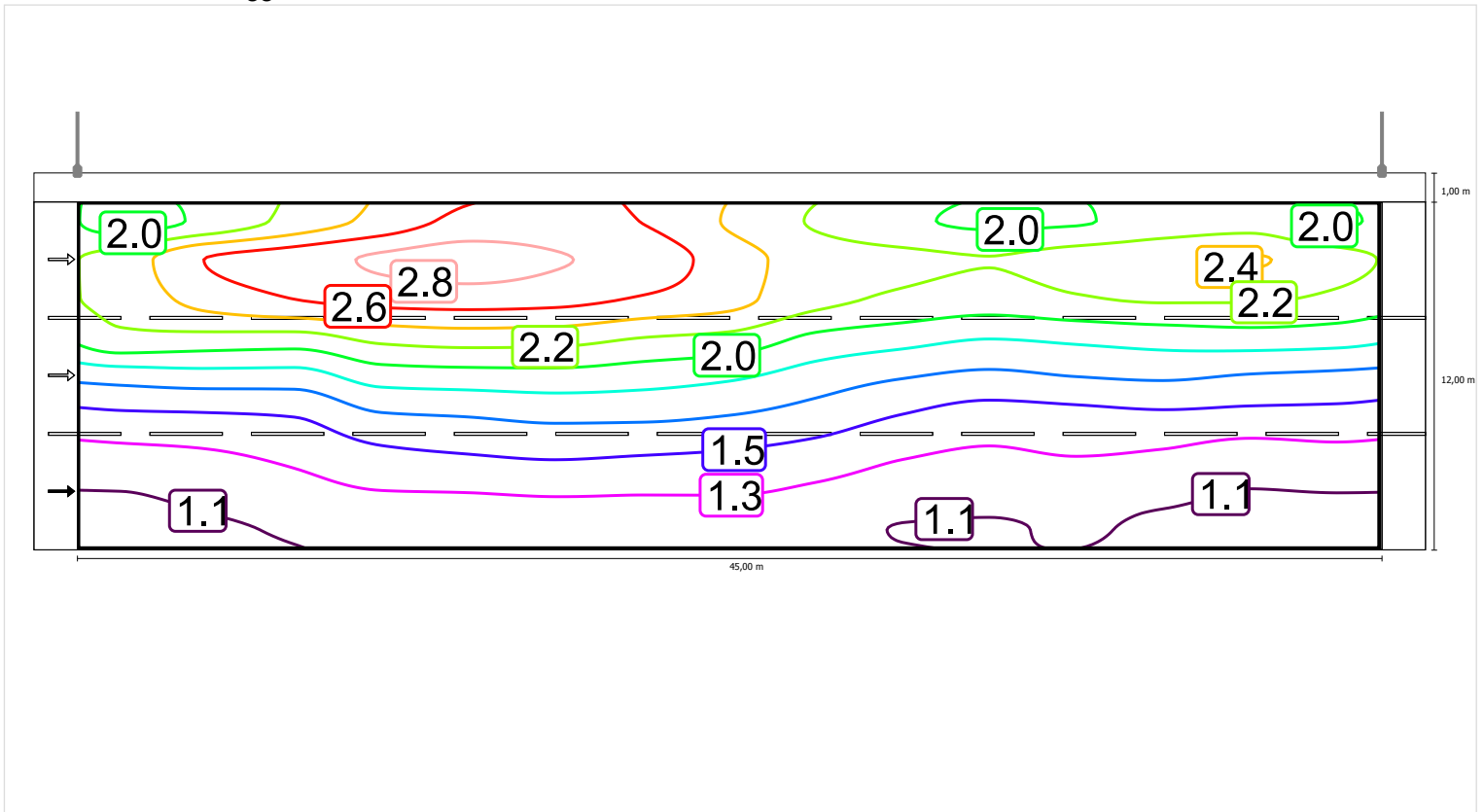
Illuminamento orizzontale



Scala: 1 : 500

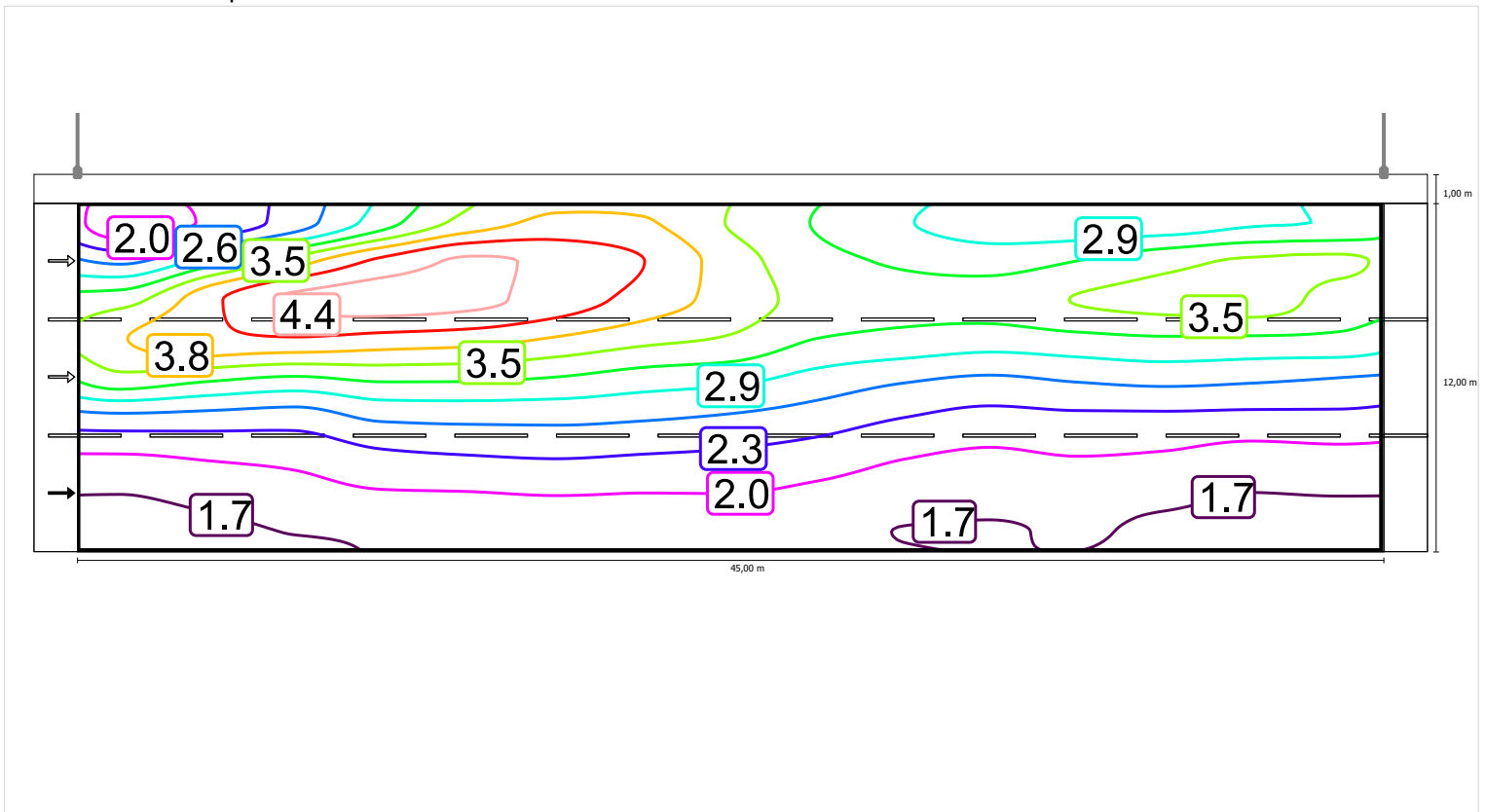
Osservatore 1

Luminanza con carreggiata asciutta



Scala: 1 : 500

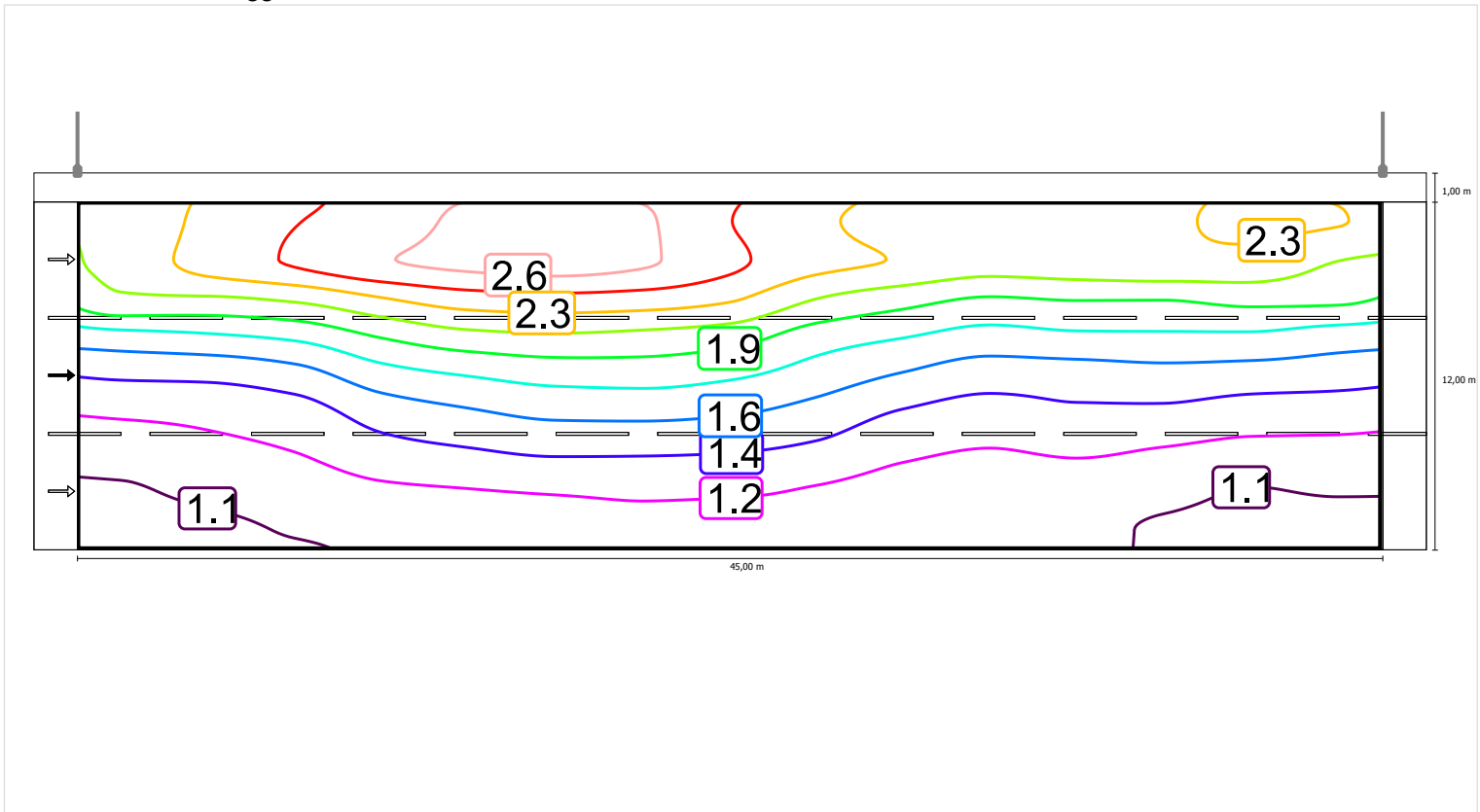
Luminanza con lampada nuova



Scala: 1 : 500

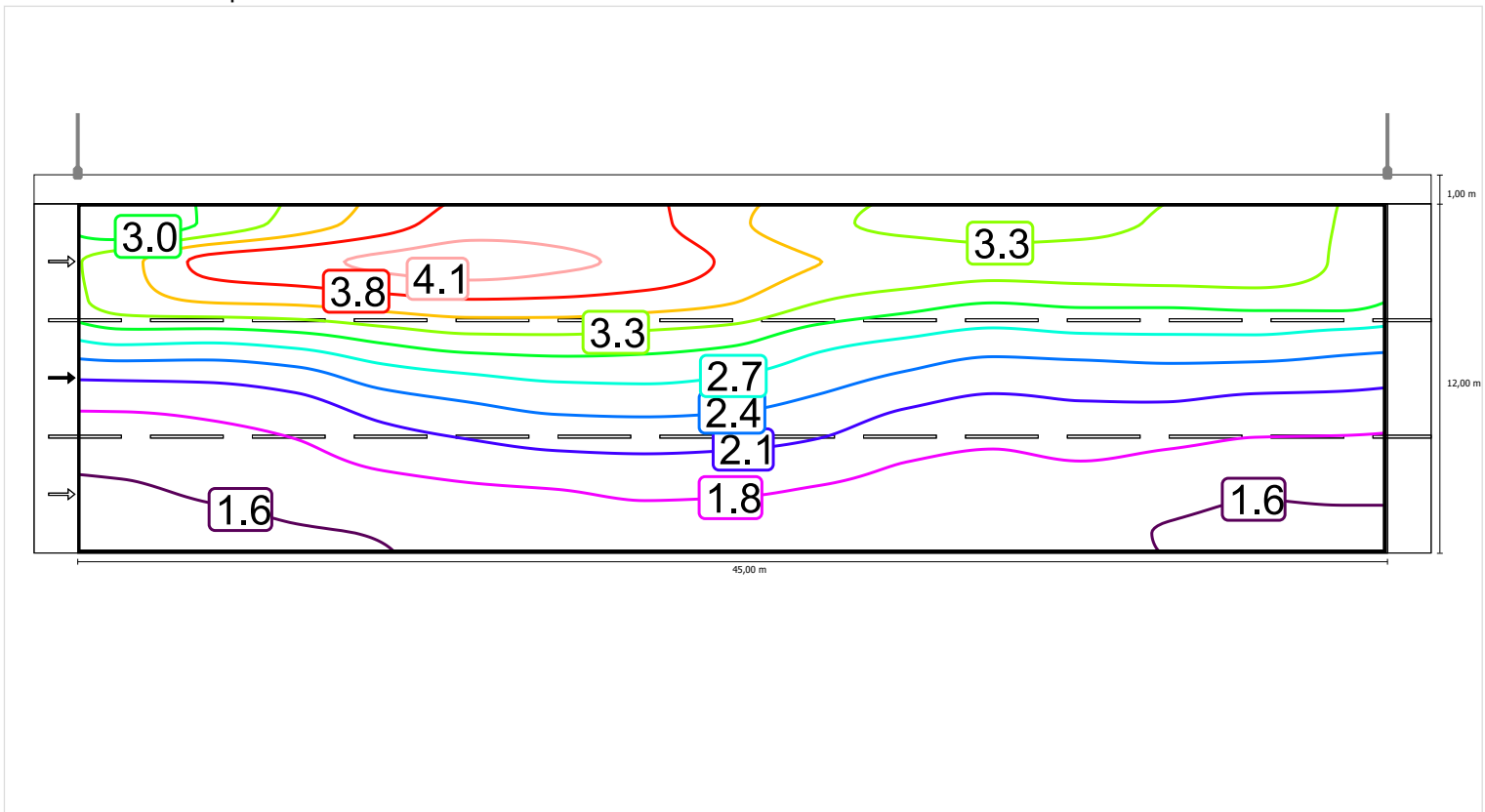
Osservatore 2

Luminanza con carreggiata asciutta



Scala: 1 : 500

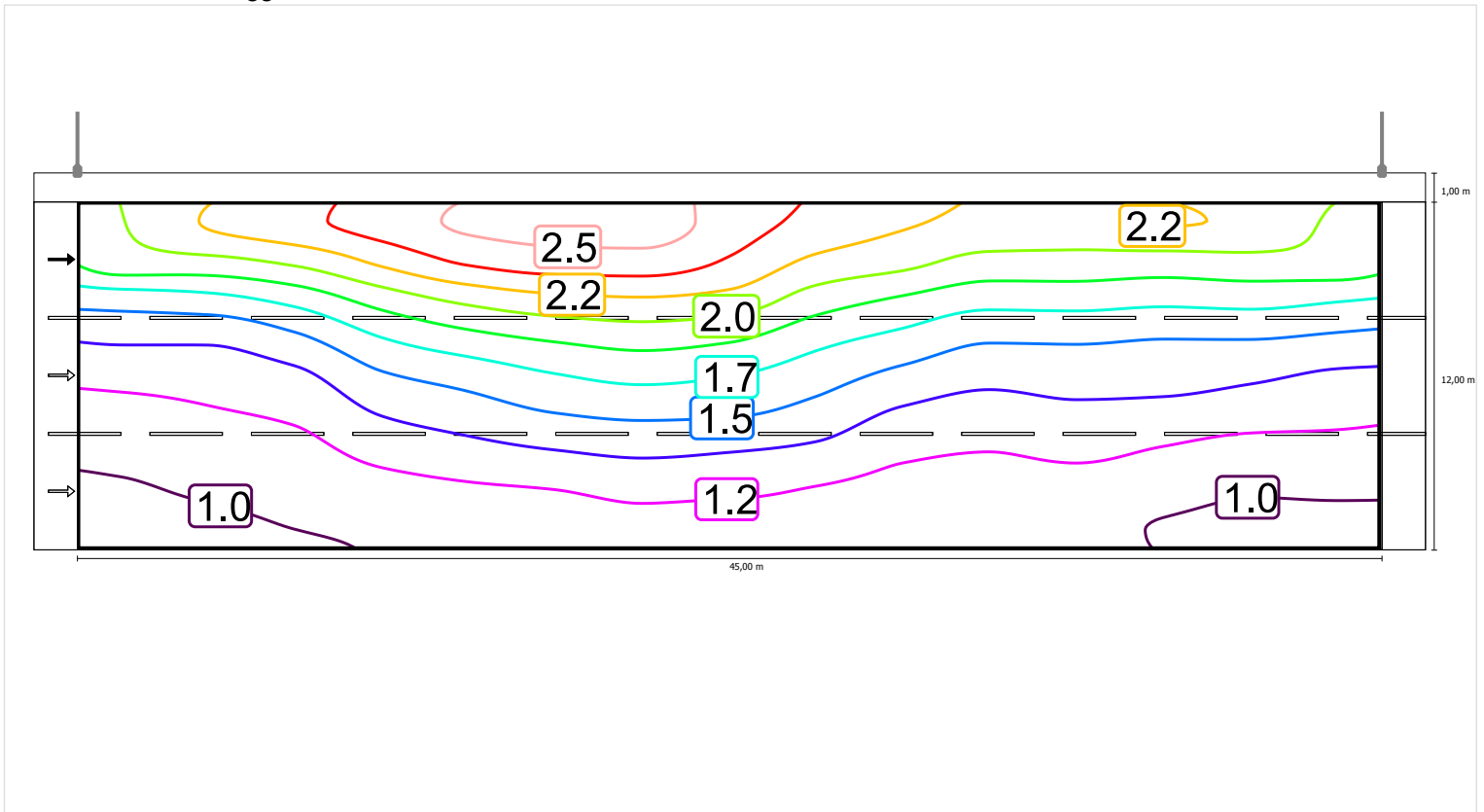
Luminanza con lampada nuova



Scala: 1 : 500

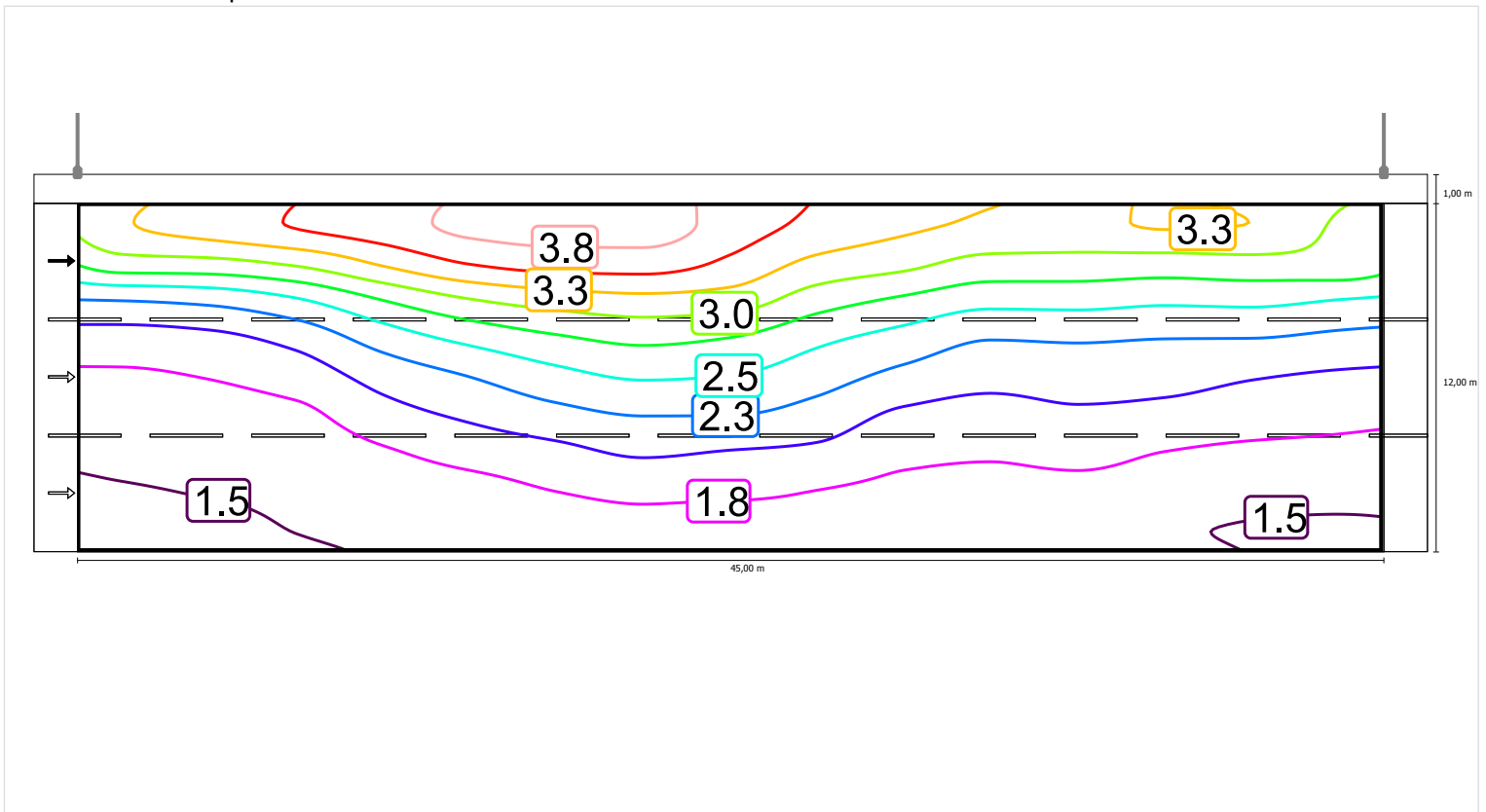
Osservatore 3

Luminanza con carreggiata asciutta



Scala: 1 : 500

Luminanza con lampada nuova



Scala: 1 : 500

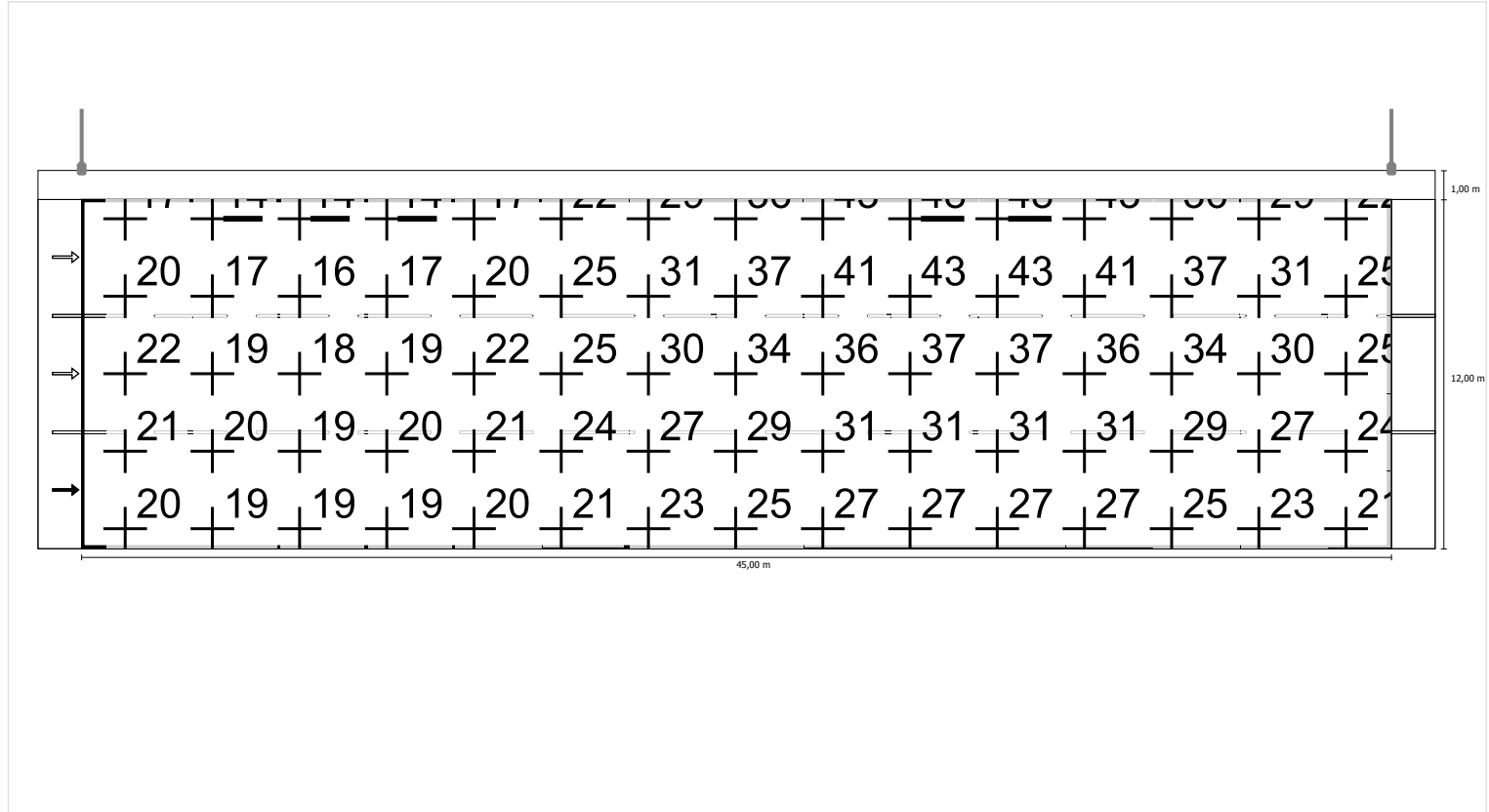
Carreggiata (M2)

Fattore di diminuzione: 0.67

Reticolo: 15 x 9 Punti

Lm [cd/m ²] ≥ 1.50	Uo ≥ 0.40	UI ≥ 0.70	TI [%] ≤ 10	EIR ≥ 0.35
✓ 1.59	✓ 0.57	✓ 0.79	✓ 10	✓ 0.79

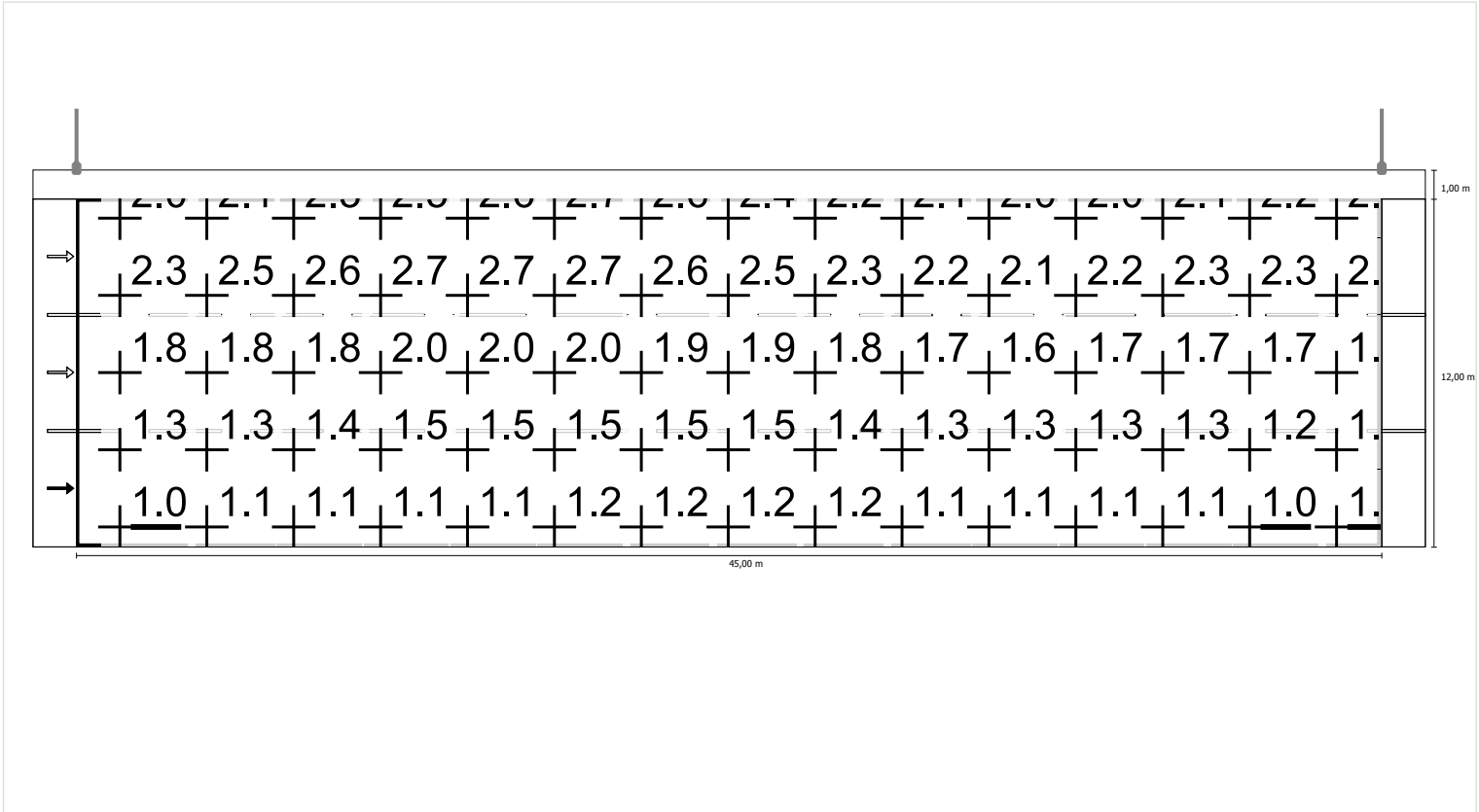
Illuminamento orizzontale



Scala: 1 : 500

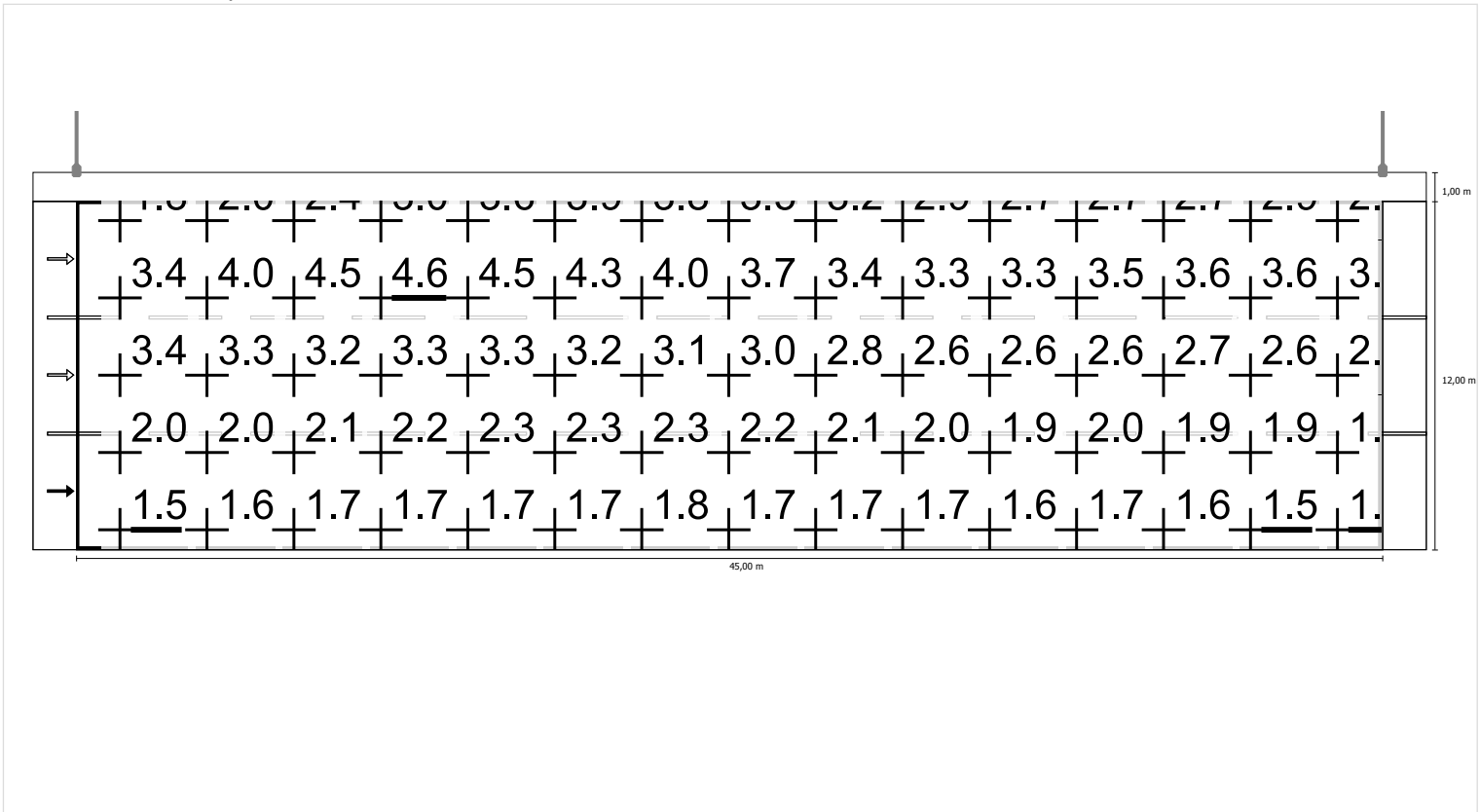
Osservatore 1

Luminanza con carreggiata asciutta



Scala: 1 : 500

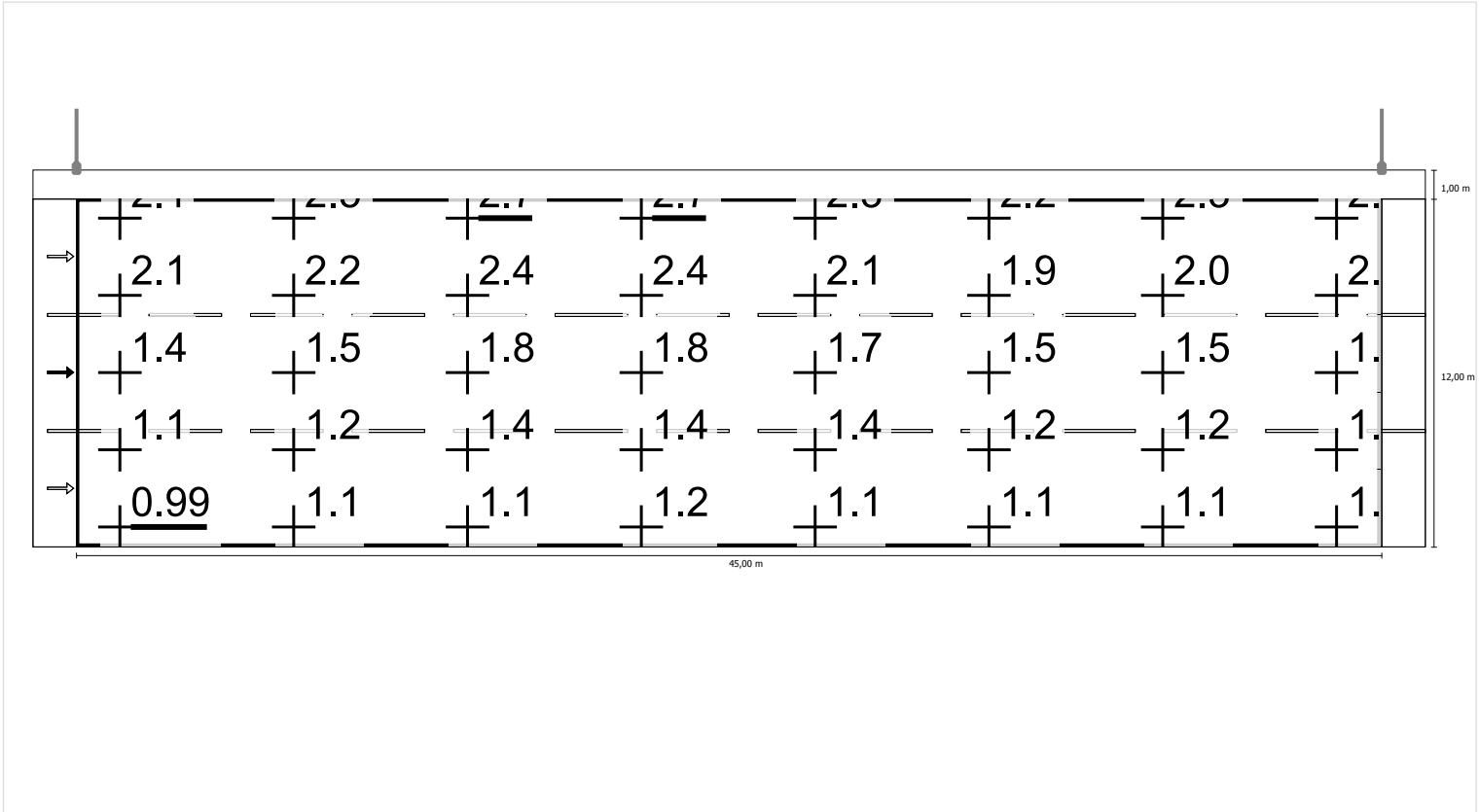
Luminanza con lampada nuova



Scala: 1 : 500

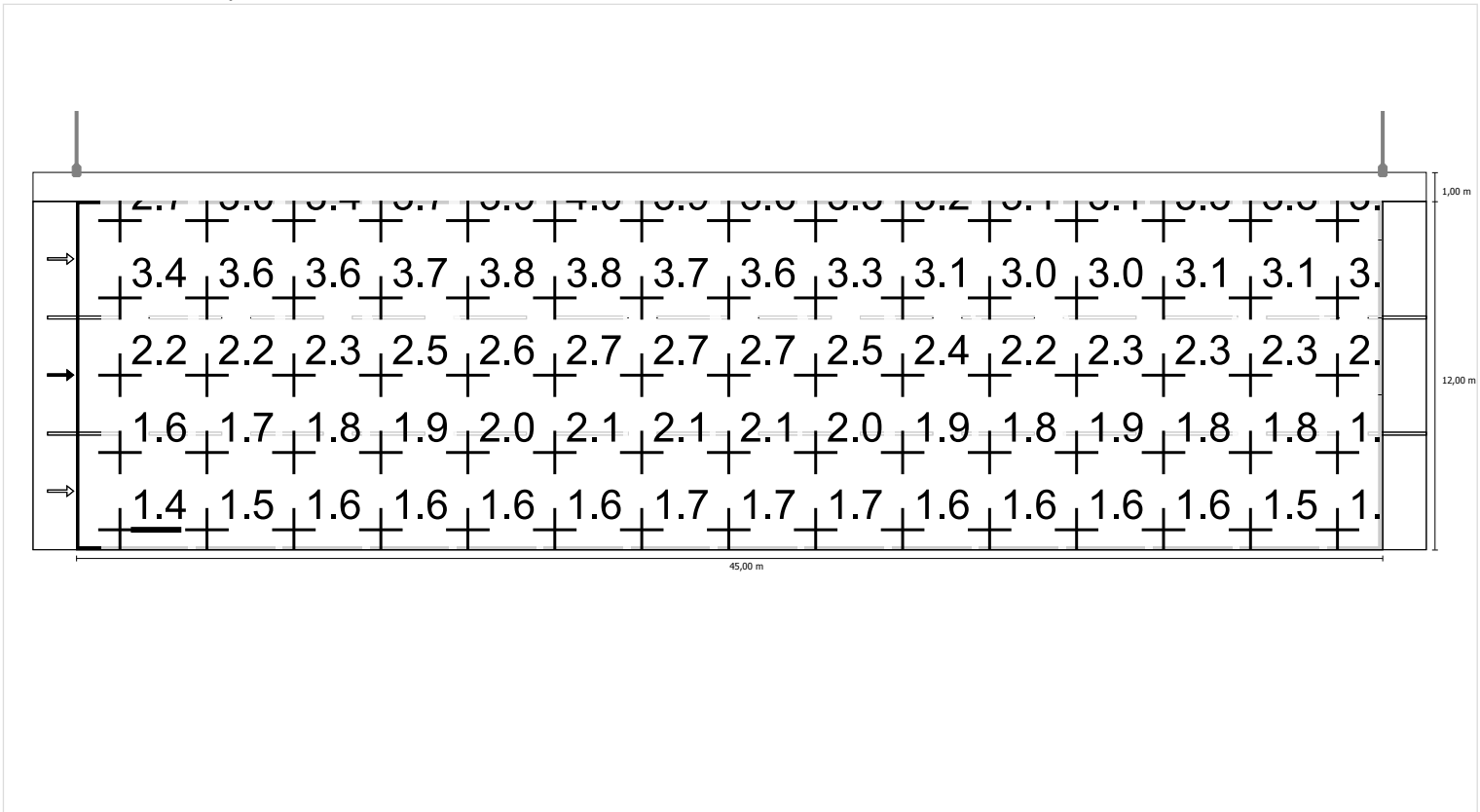
Osservatore 2

Luminanza con carreggiata asciutta



Scala: 1 : 500

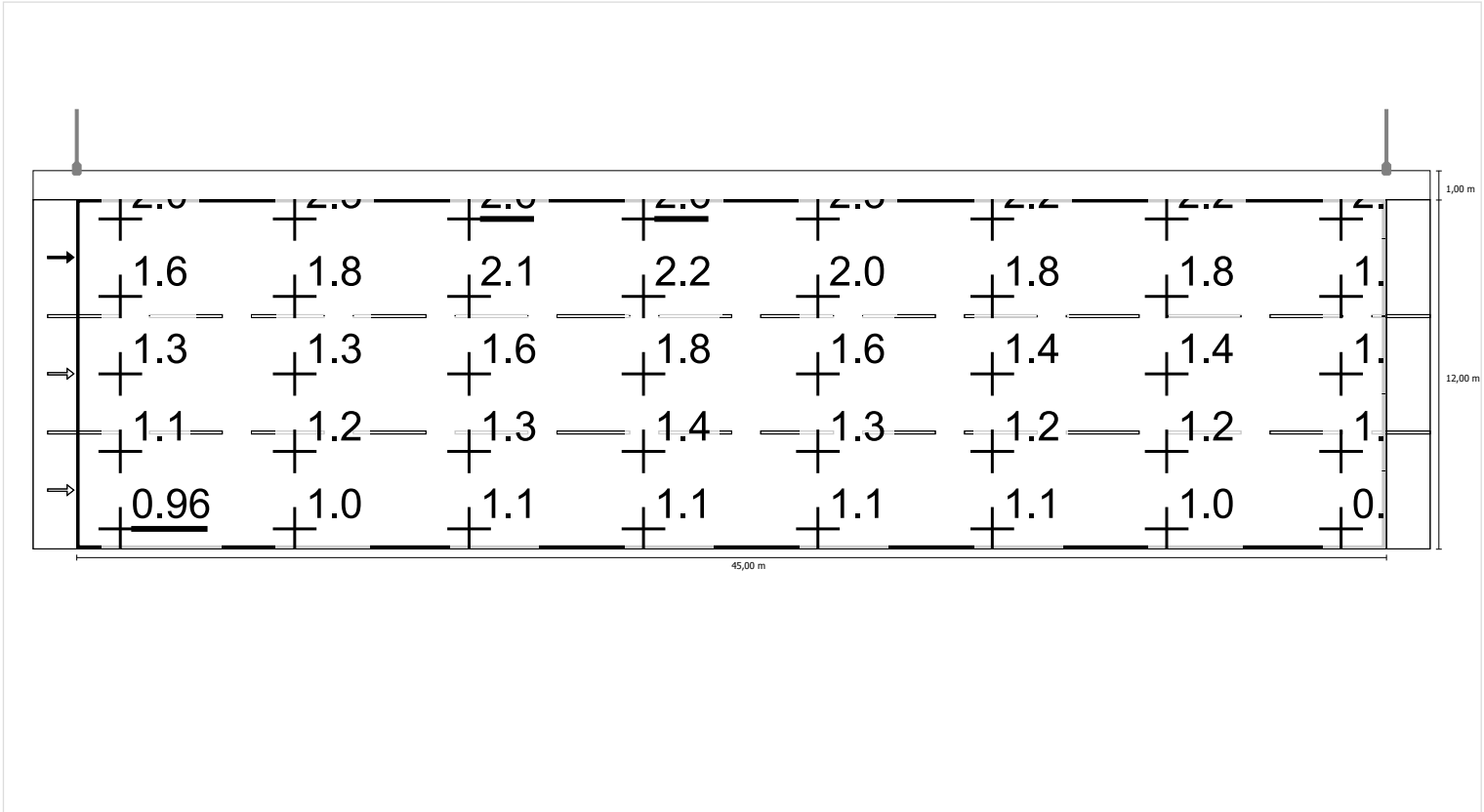
Luminanza con lampada nuova



Scala: 1 : 500

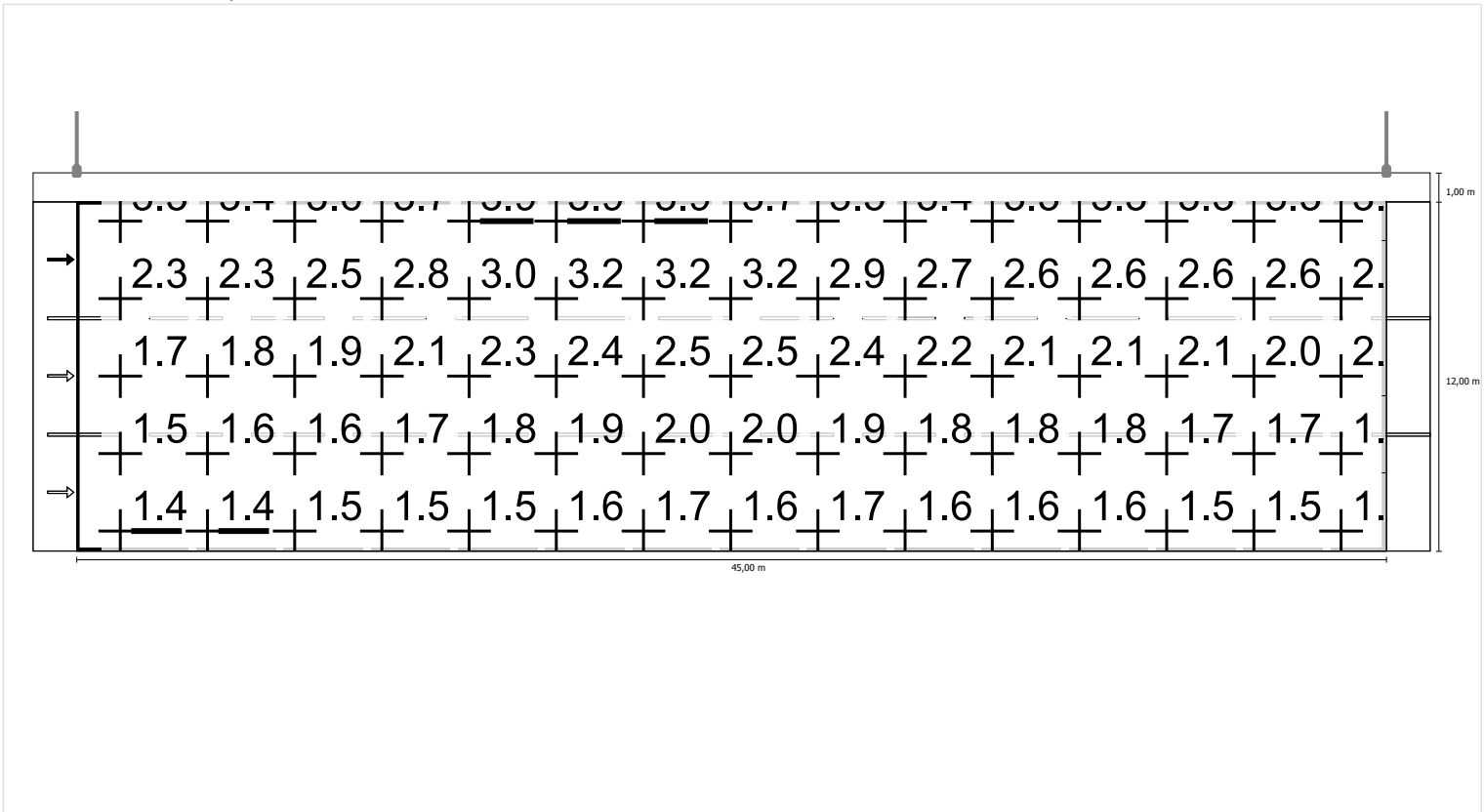
Osservatore 3

Luminanza con carreggiata asciutta



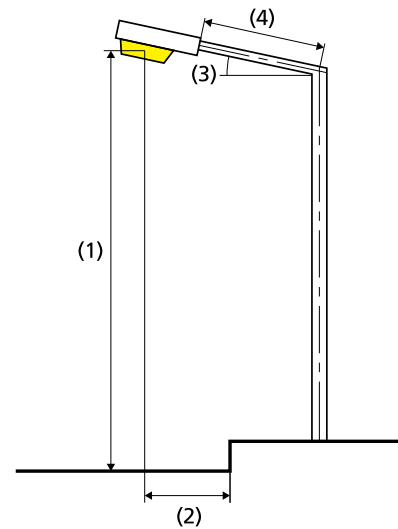
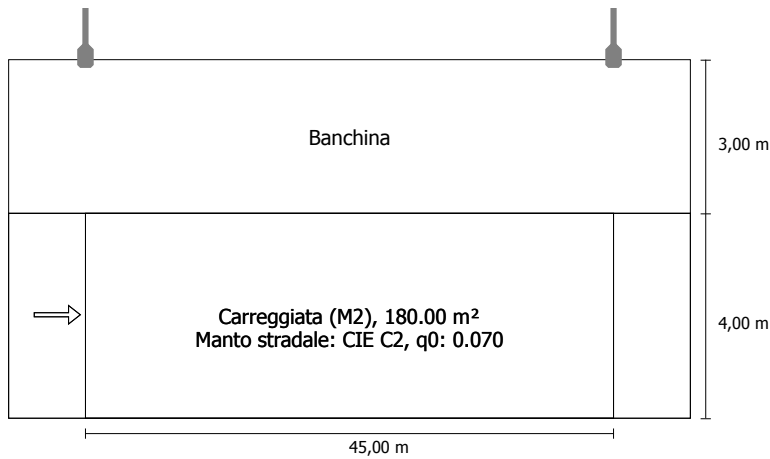
Scala: 1 : 500

Luminanza con lampada nuova



Scala: 1 : 500

06-Corsia marcia 4m e banchina 3m in direzione EN 13201:2015

Philips Lighting BGP623 T25 1 xLED100-4S/740 DM11
1xLED100-4S/740

Risultati per i campi di valutazione

Fattore di diminuzione: 0.80

Carreggiata (M2)

Lm [cd/m²] ≥ 1.50	Uo ≥ 0.40	UI ≥ 0.70	TI [%] ≤ 10	EIR ≥ 0.35
✓ 1.57	✓ 0.77	✓ 0.85	✓ 9	✓ 0.83

Risultati per gli indicatori dell'efficienza energetica

Indice della densità di potenza (Dp)	0.051 W/lxm²
Densità di consumo energetico	
Disposizione: BGP623 T25 1 xLED100-4S/740 DM11 (816.0 kWh)	4.5 kWh/m² p.a.

Flusso luminoso (lampada):	26985.08 lm
Flusso luminoso (lampadina):	30000.00 lm
Ore di esercizio	
4000 h:	100.0 %, 204.0 W
W/km:	4488.0
Disposizione:	su un lato sopra
Distanza pali:	45.000 m
Inclinazione braccio (3):	0.0°
Lunghezza braccio (4):	2.000 m
Altezza fuochi (1):	12.000 m
Sporgenza punto luce (2):	-3.100 m

ULR:	0.00
ULOR:	0.00
Valori massimi dell'intensità luminosa	
per 70°:	569 cd/klm
per 80°:	157 cd/klm
per 90°:	0.00 cd/klm
Classe intensità luminose:	G*1

Per tutte le direzioni che, per le lampade installate e utilizzabili, formano l'angolo indicato con le verticali inferiori.

La disposizione rispetta la classe degli indici di abbagliamento D.5

Carreggiata (M2)

Fattore di diminuzione: 0.80

Reticolo: 15 x 3 Punti

Lm [cd/m ²] ≥ 1.50	Uo ≥ 0.40	UI ≥ 0.70	TI [%] ≤ 10	EIR ≥ 0.35
✓ 1.57	✓ 0.77	✓ 0.85	✓ 9	✓ 0.83

Osservatori corrispondenti (1):

Osservatore	Posizione [m]	Lm [cd/m ²] ≥ 1.50	Uo ≥ 0.40	UI ≥ 0.70	TI [%] ≤ 10
Osservatore 1	(-60.000, 2.000, 1.500)	1.57	0.77	0.85	9

Carreggiata (M2)

Illuminamento orizzontale [lx]

3.333	14.8	13.1	12.6	13.1	14.8	17.6	21.7	26.8	32.3	37.2	37.2	32.3	26.8	21.7	17.6
2.000	15.7	14.2	13.7	14.2	15.7	18.2	21.7	25.8	30.2	33.9	33.9	30.2	25.8	21.7	18.2
0.667	16.3	14.9	14.5	14.9	16.3	18.3	21.1	24.2	27.4	30.2	30.2	27.4	24.2	21.1	18.3
m	1.500	4.500	7.500	10.500	13.500	16.500	19.500	22.500	25.500	28.500	31.500	34.500	37.500	40.500	43.500

Reticolo: 15 x 3 Punti

Em [lx]	Emin [lx]	Emax [lx]	g1	g2
22.0	12.6	37.2	0.571	0.339

Osservatore 1

Luminanza con carreggiata asciutta [cd/m²]

3.333	1.75	1.77	1.82	1.90	1.99	2.01	2.00	2.00	1.93	1.91	1.81	1.73	1.67	1.65	1.66
2.000	1.43	1.46	1.51	1.60	1.66	1.66	1.65	1.68	1.63	1.63	1.56	1.51	1.47	1.45	1.44
0.667	1.21	1.21	1.27	1.37	1.41	1.43	1.44	1.42	1.40	1.39	1.32	1.27	1.25	1.25	1.26
m	1.500	4.500	7.500	10.500	13.500	16.500	19.500	22.500	25.500	28.500	31.500	34.500	37.500	40.500	43.500

Reticolo: 15 x 3 Punti

Luminanza con lampada nuova [cd/m²]

3.333	2.37	2.39	2.44	2.52	2.60	2.61	2.59	2.57	2.48	2.45	2.32	2.22	2.14	2.10	2.12
2.000	1.78	1.83	1.88	1.99	2.07	2.07	2.07	2.10	2.03	2.04	1.95	1.89	1.83	1.81	1.80
0.667	1.40	1.45	1.52	1.65	1.71	1.75	1.76	1.75	1.72	1.71	1.61	1.56	1.54	1.54	1.55
m	1.500	4.500	7.500	10.500	13.500	16.500	19.500	22.500	25.500	28.500	31.500	34.500	37.500	40.500	43.500

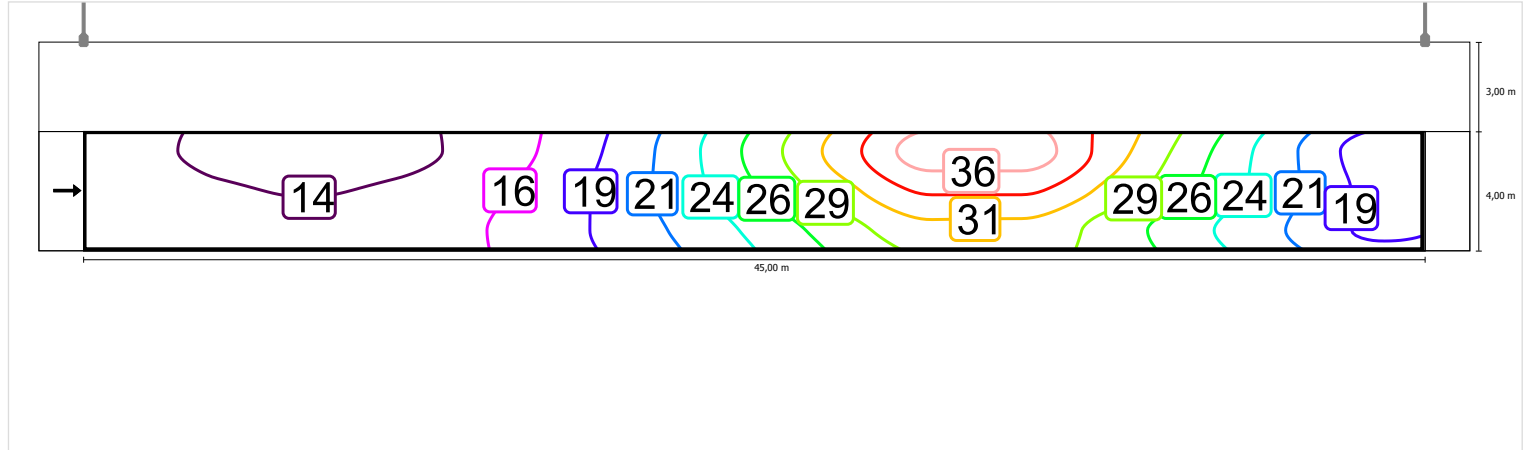
Reticolo: 15 x 3 Punti

Carreggiata (M2)

Fattore di diminuzione: 0.80
 Reticolo: 15 x 3 Punti

Lm [cd/m ²] ≥ 1.50	Uo ≥ 0.40	UI ≥ 0.70	TI [%] ≤ 10	EIR ≥ 0.35
✓ 1.57	✓ 0.77	✓ 0.85	✓ 9	✓ 0.83

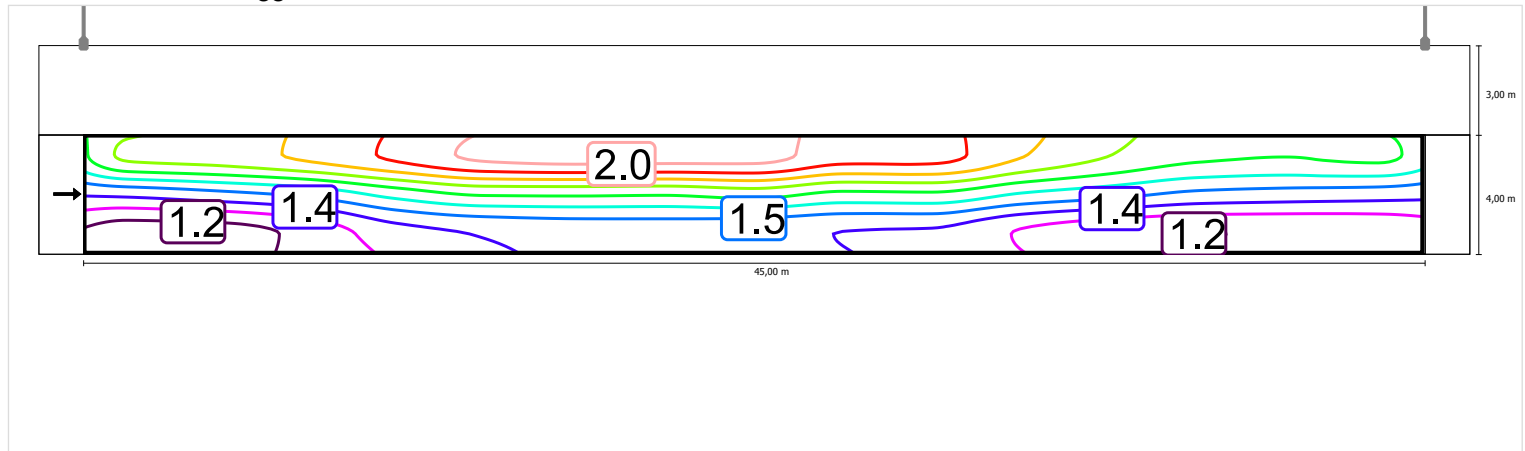
Illuminamento orizzontale



Scala: 1 : 500

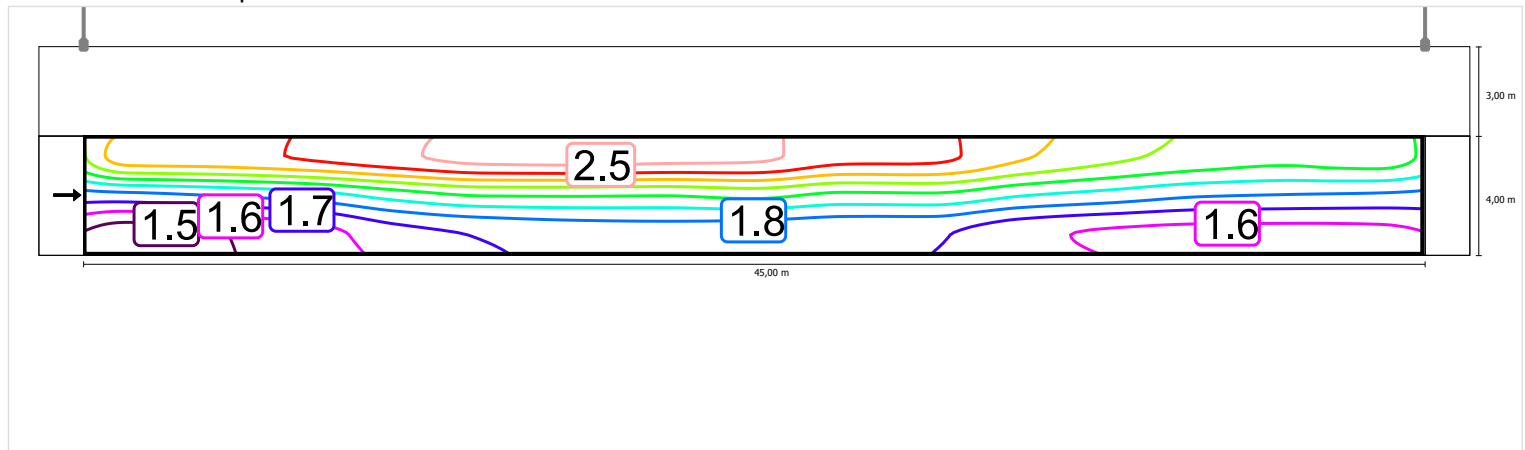
Osservatore 1

Luminanza con carreggiata asciutta



Scala: 1 : 500

Luminanza con lampada nuova



Scala: 1 : 500

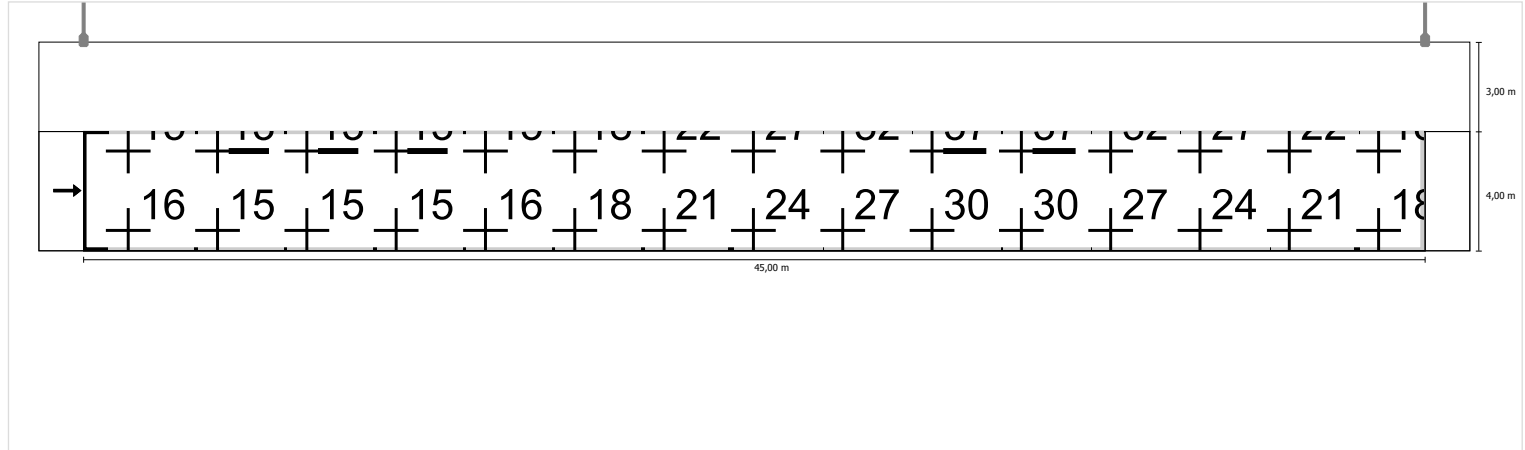
Carreggiata (M2)

Fattore di diminuzione: 0.80

Reticolo: 15 x 3 Punti

Lm [cd/m ²]	Uo	UI	TI [%]	EIR
≥ 1.50	≥ 0.40	≥ 0.70	≤ 10	≥ 0.35
✓ 1.57	✓ 0.77	✓ 0.85	✓ 9	✓ 0.83

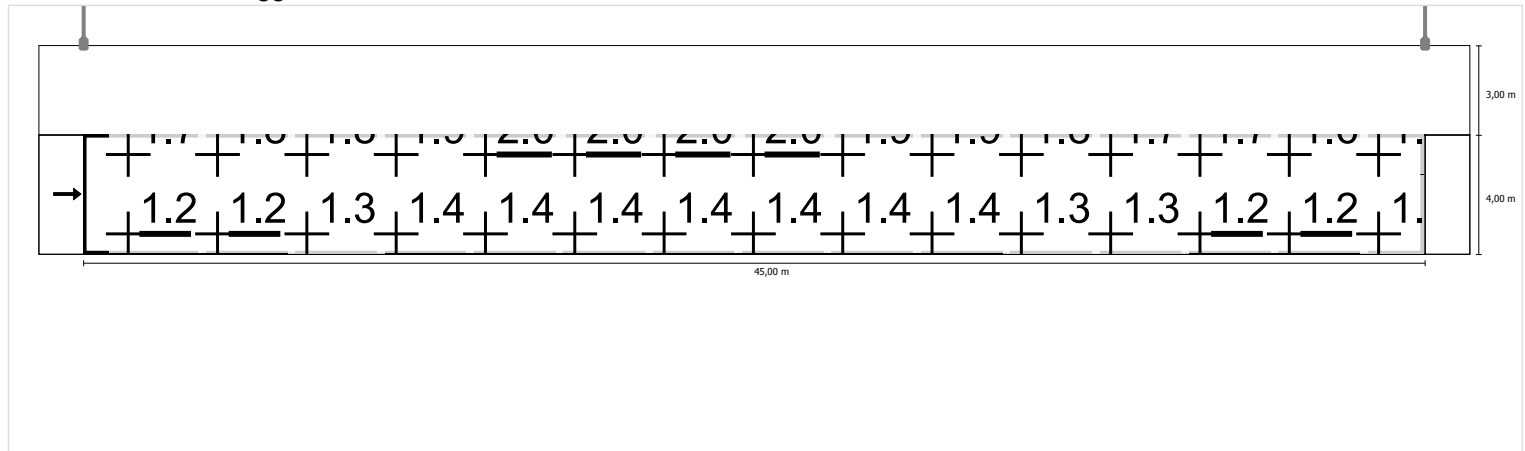
Illuminamento orizzontale



Scala: 1 : 500

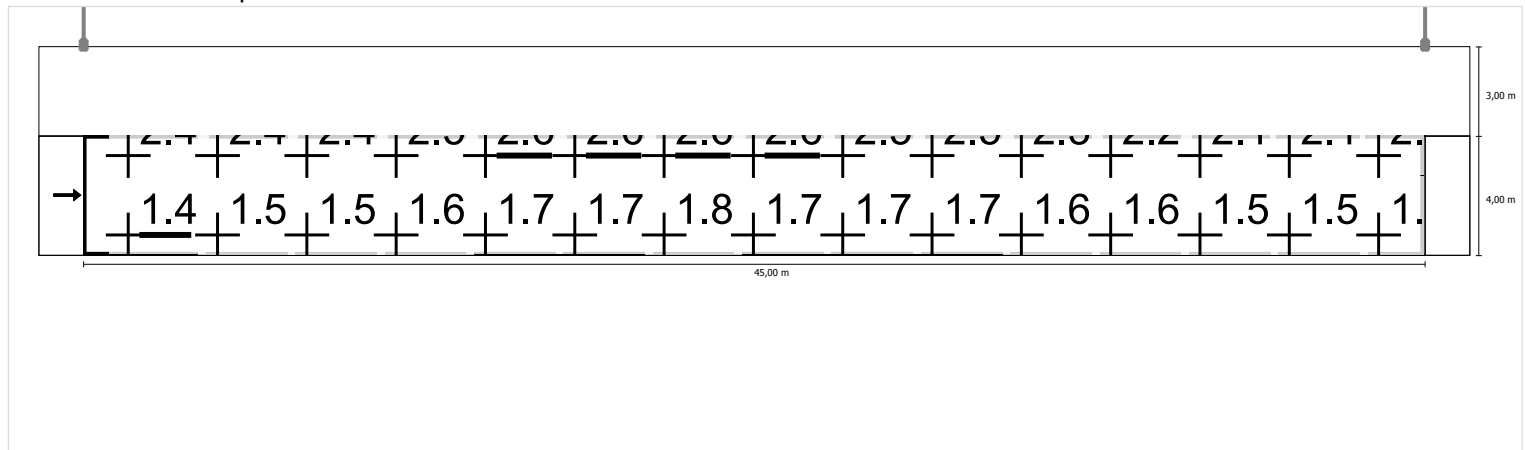
Osservatore 1

Luminanza con carreggiata asciutta

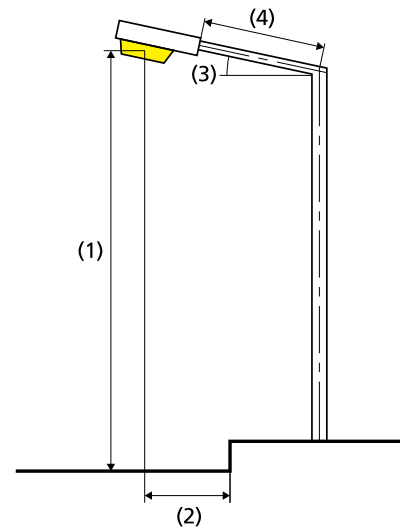
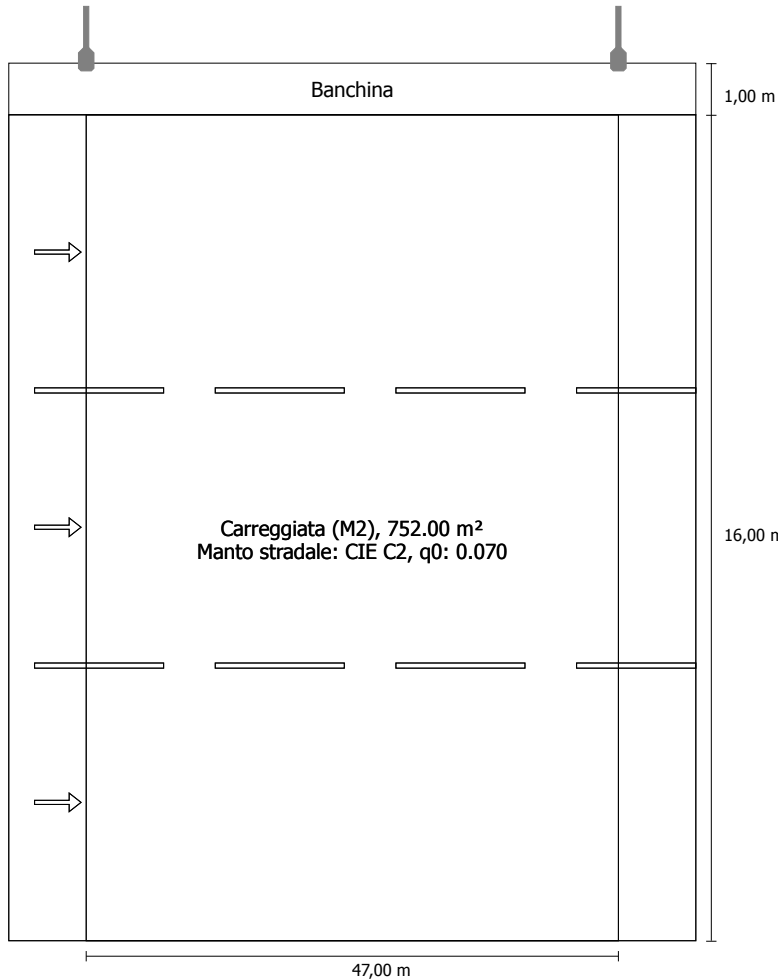


Scala: 1 : 500

Luminanza con lampada nuova



Scala: 1 : 500

07-Corsia marcia 4+4+4+4m e banchina 1m in direzione EN
13201:2015Philips Lighting BGP623 T25 1 xLED100-4S/740 DW10
1xLED100-4S/740

Flusso luminoso (lampada):	55802.02 lm
Flusso luminoso (lampadina):	61650.00 lm
Ore di esercizio	
4000 h:	100.0 %, 424.0 W
W/km:	8904.0
Disposizione:	su un lato sopra
Distanza pali:	47.000 m
Inclinazione braccio (3):	0.0°
Lunghezza braccio (4):	1.000 m
Altezza fuochi (1):	12.500 m
Sporgenza punto luce (2):	-1.100 m

ULR:	0.00
ULOR:	0.00
Valori massimi dell'intensità luminosa	
per 70°:	437 cd/klm
per 80°:	61.9 cd/klm
per 90°:	0.00 cd/klm
Classe intensità luminose:	G*4

Per tutte le direzioni che, per le lampade installate e utilizzabili, formano l'angolo indicato con le verticali inferiori.

La disposizione rispetta la classe degli indici di abbagliamento D.5

Risultati per i campi di valutazione

Fattore di diminuzione: 0.67

Carreggiata (M2)

Lm [cd/m ²] ≥ 1.50	Uo ≥ 0.40	UI ≥ 0.70	TI [%] ≤ 10	EIR ≥ 0.35
✓ 1.56	✓ 0.50	✓ 0.79	✓ 10	✓ 0.57

Risultati per gli indicatori dell'efficienza energetica

Indice della densità di potenza (Dp)	0.021 W/lx ²
Densità di consumo energetico	
Disposizione: BGP623 T25 1 xLED100-4S/740 DW10 (1696.0 kWh)	2.3 kWh/m ² p.a.

Carreggiata (M2)

Fattore di diminuzione: 0.67

Reticolo: 16 x 9 Punti

Lm [cd/m ²] ≥ 1.50	Uo ≥ 0.40	UI ≥ 0.70	TI [%] ≤ 10	EIR ≥ 0.35
✓ 1.56	✓ 0.50	✓ 0.79	✓ 10	✓ 0.57

Osservatori corrispondenti (3):

Osservatore	Posizione [m]	Lm [cd/m ²] ≥ 1.50	Uo ≥ 0.40	UI ≥ 0.70	TI [%] ≤ 10
Osservatore 1	(-60.000, 2.667, 1.500)	1.79	0.50	0.88	5
Osservatore 2	(-60.000, 8.000, 1.500)	1.68	0.53	0.80	8
Osservatore 3	(-60.000, 13.333, 1.500)	1.56	0.56	0.79	10

Carreggiata (M2)

Illuminamento orizzontale [lx]

15.111	34.5	41.8	48.2	51.7	50.5	45.1	38.2	30.9	23.8	18.9	15.8	14.5	15.0	17.2	21.2	27.2
13.333	35.7	42.1	47.0	49.0	48.5	44.7	39.0	32.6	25.9	21.1	18.0	16.5	17.1	19.3	23.3	29.1
11.556	35.5	40.0	43.1	44.3	44.0	41.7	37.8	32.8	27.0	22.5	19.6	18.2	18.7	20.9	24.7	29.8
9.778	34.0	37.4	39.5	39.7	39.7	38.5	35.9	31.6	27.2	23.4	20.8	19.4	19.9	22.0	25.2	29.5
8.000	31.4	34.1	35.8	35.9	35.6	35.0	32.9	29.7	26.3	23.4	21.3	20.1	20.5	22.3	24.8	28.1
6.222	28.8	30.5	32.4	32.5	31.9	31.8	29.7	27.4	24.8	22.5	21.1	20.3	20.6	21.8	23.6	26.1
4.444	26.1	28.0	29.4	29.3	29.1	29.2	27.0	25.1	23.0	21.3	20.4	19.9	20.1	20.8	22.1	24.0
2.667	23.5	25.1	26.2	26.7	26.3	25.9	24.3	22.6	21.0	19.8	19.2	18.9	19.0	19.4	20.3	21.8
0.889	20.4	21.3	22.3	22.8	22.6	21.9	20.9	19.8	18.6	17.7	17.4	17.3	17.3	17.5	18.1	19.2
m	1.469	4.406	7.344	10.281	13.219	16.156	19.094	22.031	24.969	27.906	30.844	33.781	36.719	39.656	42.594	45.531

Reticolo: 16 x 9 Punti

Em [lx]	Emin [lx]	Emax [lx]	g1	g2
27.4	14.5	51.7	0.531	0.281

Osservatore 1

Luminanza con carreggiata asciutta [cd/m²]

15.111	2.67	2.42	2.22	2.04	1.96	1.90	1.91	1.98	2.06	2.12	2.27	2.49	2.65	2.83	2.93	2.87
13.333	2.78	2.49	2.26	2.21	2.18	2.30	2.47	2.57	2.60	2.72	2.73	2.92	3.00	3.10	3.01	2.97
11.556	2.62	2.46	2.32	2.35	2.39	2.48	2.58	2.58	2.43	2.48	2.55	2.55	2.61	2.70	2.69	2.62
9.778	2.31	2.20	2.12	2.04	2.01	2.06	2.10	2.10	2.08	2.03	2.02	2.03	2.13	2.24	2.23	2.19
8.000	1.90	1.82	1.76	1.67	1.63	1.68	1.66	1.62	1.65	1.61	1.60	1.64	1.75	1.84	1.84	1.84
6.222	1.59	1.52	1.49	1.41	1.37	1.39	1.39	1.32	1.34	1.33	1.36	1.43	1.50	1.56	1.55	1.56
4.444	1.34	1.32	1.28	1.24	1.22	1.25	1.21	1.16	1.14	1.16	1.21	1.28	1.28	1.30	1.33	1.32
2.667	1.17	1.13	1.10	1.12	1.11	1.11	1.07	1.03	1.03	1.04	1.07	1.13	1.12	1.12	1.13	1.14
0.889	0.97	0.96	0.95	0.97	0.97	0.95	0.92	0.90	0.90	0.93	0.95	1.00	0.98	0.98	0.97	0.99
m	1.469	4.406	7.344	10.281	13.219	16.156	19.094	22.031	24.969	27.906	30.844	33.781	36.719	39.656	42.594	45.531

Reticolo: 16 x 9 Punti

Luminanza con lampada nuova [cd/m²]

15.111	3.81	3.49	3.18	2.87	2.63	2.46	2.32	2.30	2.37	2.55	2.82	3.17	3.67	4.08	4.31	4.22
13.333	4.30	3.74	3.24	2.94	2.74	2.80	2.91	3.14	3.35	3.45	3.92	4.46	4.66	4.82	4.66	4.52
11.556	4.20	3.58	3.12	2.97	3.02	3.36	3.82	4.06	4.17	3.80	4.17	4.37	4.39	4.36	4.28	4.09
9.778	3.57	3.32	3.20	3.29	3.52	3.63	3.78	3.67	3.60	3.56	3.50	3.39	3.52	3.58	3.51	3.41
8.000	3.16	3.05	3.00	2.87	2.74	2.81	2.83	2.76	2.68	2.65	2.64	2.61	2.79	2.89	2.85	2.81
6.222	2.53	2.42	2.37	2.27	2.18	2.15	2.17	2.09	2.09	2.07	2.12	2.18	2.30	2.38	2.36	2.37
4.444	2.04	2.01	1.94	1.88	1.86	1.89	1.83	1.76	1.73	1.75	1.83	1.93	1.94	1.96	2.00	1.98
2.667	1.75	1.69	1.64	1.68	1.66	1.65	1.60	1.54	1.54	1.55	1.60	1.69	1.67	1.67	1.69	1.71
0.889	1.44	1.41	1.41	1.44	1.44	1.42	1.37	1.34	1.35	1.38	1.41	1.48	1.46	1.46	1.45	1.47
m	1.469	4.406	7.344	10.281	13.219	16.156	19.094	22.031	24.969	27.906	30.844	33.781	36.719	39.656	42.594	45.531

Reticolo: 16 x 9 Punti

Osservatore 2

Luminanza con carreggiata asciutta [cd/m²]

15.111	2.73	2.49	2.34	2.24	2.23	2.24	2.34	2.37	2.29	2.37	2.55	2.63	2.70	2.84	2.89	2.90
13.333	2.77	2.61	2.48	2.47	2.42	2.45	2.50	2.51	2.34	2.34	2.48	2.56	2.69	2.79	2.84	2.82
11.556	2.45	2.31	2.16	2.08	2.03	2.06	2.08	2.12	2.09	2.05	2.05	2.08	2.23	2.34	2.40	2.39
9.778	2.04	1.92	1.84	1.74	1.70	1.73	1.73	1.69	1.69	1.66	1.67	1.67	1.86	1.96	2.01	2.02
8.000	1.73	1.66	1.59	1.47	1.43	1.48	1.46	1.42	1.41	1.38	1.41	1.44	1.59	1.68	1.71	1.73
6.222	1.49	1.40	1.38	1.31	1.28	1.30	1.28	1.21	1.22	1.21	1.26	1.32	1.39	1.44	1.47	1.48
4.444	1.27	1.26	1.21	1.19	1.17	1.20	1.14	1.10	1.10	1.10	1.14	1.20	1.21	1.22	1.26	1.28
2.667	1.12	1.08	1.08	1.10	1.08	1.08	1.04	1.00	1.00	1.00	1.03	1.09	1.08	1.09	1.09	1.12
0.889	0.94	0.92	0.94	0.96	0.95	0.93	0.90	0.89	0.90	0.91	0.93	0.96	0.96	0.96	0.95	0.96
m	1.469	4.406	7.344	10.281	13.219	16.156	19.094	22.031	24.969	27.906	30.844	33.781	36.719	39.656	42.594	45.531

Reticolo: 16 x 9 Punti

Luminanza con lampada nuova [cd/m²]

15.111	3.96	3.60	3.31	3.06	2.95	2.89	2.94	3.09	3.14	3.18	3.50	3.85	4.01	4.24	4.38	4.30
13.333	4.14	3.74	3.45	3.42	3.44	3.63	3.80	3.99	3.81	3.53	3.86	4.08	4.28	4.37	4.38	4.32
11.556	3.88	3.70	3.47	3.38	3.31	3.38	3.41	3.39	3.36	3.31	3.30	3.29	3.49	3.65	3.70	3.66
9.778	3.15	2.94	2.81	2.67	2.62	2.68	2.70	2.62	2.58	2.55	2.58	2.54	2.83	2.97	3.04	3.05
8.000	2.58	2.48	2.37	2.19	2.13	2.20	2.18	2.12	2.10	2.05	2.10	2.15	2.37	2.50	2.55	2.58
6.222	2.18	2.07	2.03	1.93	1.90	1.93	1.88	1.78	1.80	1.78	1.86	1.95	2.05	2.13	2.17	2.19
4.444	1.84	1.83	1.79	1.75	1.72	1.77	1.68	1.62	1.61	1.62	1.68	1.76	1.77	1.80	1.86	1.90
2.667	1.61	1.54	1.61	1.63	1.59	1.58	1.53	1.49	1.48	1.48	1.52	1.60	1.60	1.60	1.62	1.65
0.889	1.35	1.35	1.40	1.42	1.40	1.37	1.33	1.32	1.32	1.33	1.35	1.41	1.42	1.42	1.40	1.42
m	1.469	4.406	7.344	10.281	13.219	16.156	19.094	22.031	24.969	27.906	30.844	33.781	36.719	39.656	42.594	45.531

Reticolo: 16 x 9 Punti

Osservatore 3

Luminanza con carreggiata asciutta [cd/m²]

15.111	2.76	2.60	2.47	2.39	2.38	2.34	2.40	2.37	2.19	2.16	2.33	2.45	2.57	2.73	2.77	2.84
13.333	2.53	2.39	2.21	2.13	2.06	2.05	2.05	2.08	2.06	2.04	2.05	2.10	2.26	2.45	2.53	2.58
11.556	2.18	2.04	1.91	1.82	1.76	1.76	1.72	1.70	1.68	1.66	1.68	1.71	1.90	2.06	2.15	2.18
9.778	1.88	1.80	1.69	1.57	1.54	1.55	1.54	1.50	1.44	1.40	1.44	1.46	1.64	1.77	1.85	1.91
8.000	1.63	1.57	1.50	1.37	1.36	1.39	1.36	1.32	1.30	1.24	1.28	1.34	1.45	1.56	1.62	1.64
6.222	1.41	1.34	1.32	1.27	1.24	1.25	1.22	1.16	1.17	1.15	1.19	1.24	1.30	1.34	1.39	1.41
4.444	1.21	1.20	1.19	1.16	1.14	1.17	1.11	1.08	1.07	1.06	1.10	1.15	1.15	1.17	1.21	1.25
2.667	1.07	1.03	1.08	1.09	1.06	1.05	1.01	0.99	0.99	0.98	1.00	1.06	1.06	1.06	1.07	1.09
0.889	0.91	0.90	0.94	0.95	0.94	0.92	0.89	0.88	0.88	0.89	0.89	0.94	0.95	0.94	0.93	0.94
m	1.469	4.406	7.344	10.281	13.219	16.156	19.094	22.031	24.969	27.906	30.844	33.781	36.719	39.656	42.594	45.531

Reticolo: 16 x 9 Punti

Luminanza con lampada nuova [cd/m²]

15.111	4.13	3.88	3.72	3.64	3.64	3.56	3.62	3.62	3.37	3.23	3.53	3.73	3.88	4.13	4.17	4.26
13.333	3.77	3.56	3.30	3.19	3.07	3.07	3.05	3.10	3.07	3.05	3.07	3.14	3.37	3.65	3.78	3.85
11.556	3.16	2.97	2.78	2.64	2.55	2.53	2.47	2.49	2.45	2.40	2.43	2.47	2.79	3.02	3.17	3.23
9.778	2.70	2.62	2.47	2.27	2.24	2.25	2.21	2.15	2.09	2.03	2.07	2.09	2.38	2.56	2.71	2.81
8.000	2.32	2.27	2.17	2.01	2.00	2.04	1.97	1.91	1.88	1.81	1.86	1.93	2.11	2.26	2.36	2.40
6.222	1.99	1.91	1.93	1.86	1.83	1.84	1.78	1.72	1.72	1.68	1.73	1.78	1.87	1.94	2.01	2.08
4.444	1.70	1.71	1.76	1.70	1.68	1.71	1.62	1.60	1.57	1.55	1.61	1.67	1.69	1.72	1.77	1.84
2.667	1.50	1.53	1.60	1.60	1.57	1.54	1.48	1.46	1.45	1.42	1.46	1.54	1.56	1.56	1.57	1.60
0.889	1.31	1.33	1.39	1.40	1.39	1.36	1.31	1.30	1.28	1.28	1.30	1.37	1.39	1.38	1.36	1.38
m	1.469	4.406	7.344	10.281	13.219	16.156	19.094	22.031	24.969	27.906	30.844	33.781	36.719	39.656	42.594	45.531

Reticolo: 16 x 9 Punti

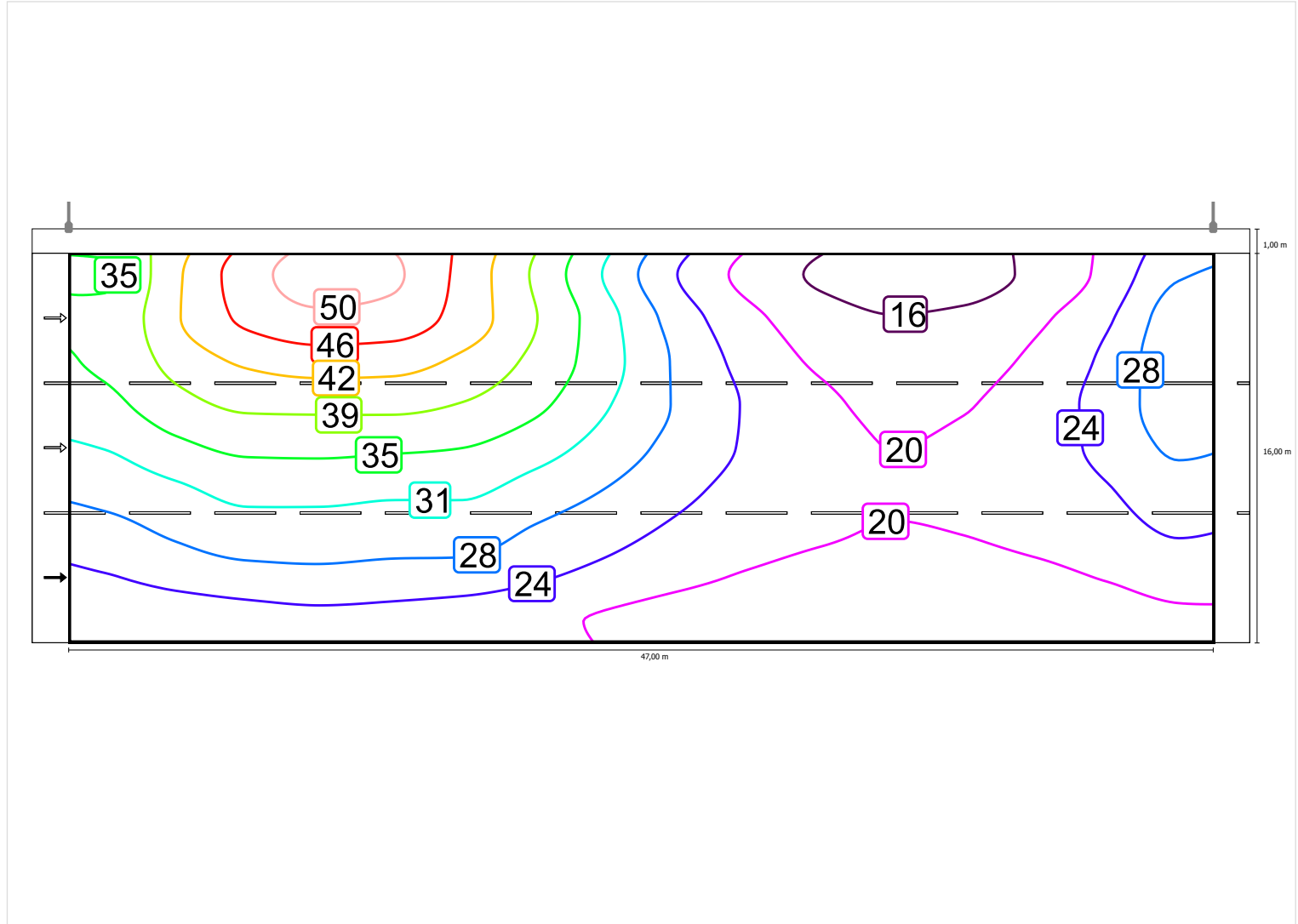
Carreggiata (M2)

Fattore di diminuzione: 0.67

Reticolo: 16 x 9 Punti

Lm [cd/m ²] ≥ 1.50	Uo ≥ 0.40	UI ≥ 0.70	TI [%] ≤ 10	EIR ≥ 0.35
✓ 1.56	✓ 0.50	✓ 0.79	✓ 10	✓ 0.57

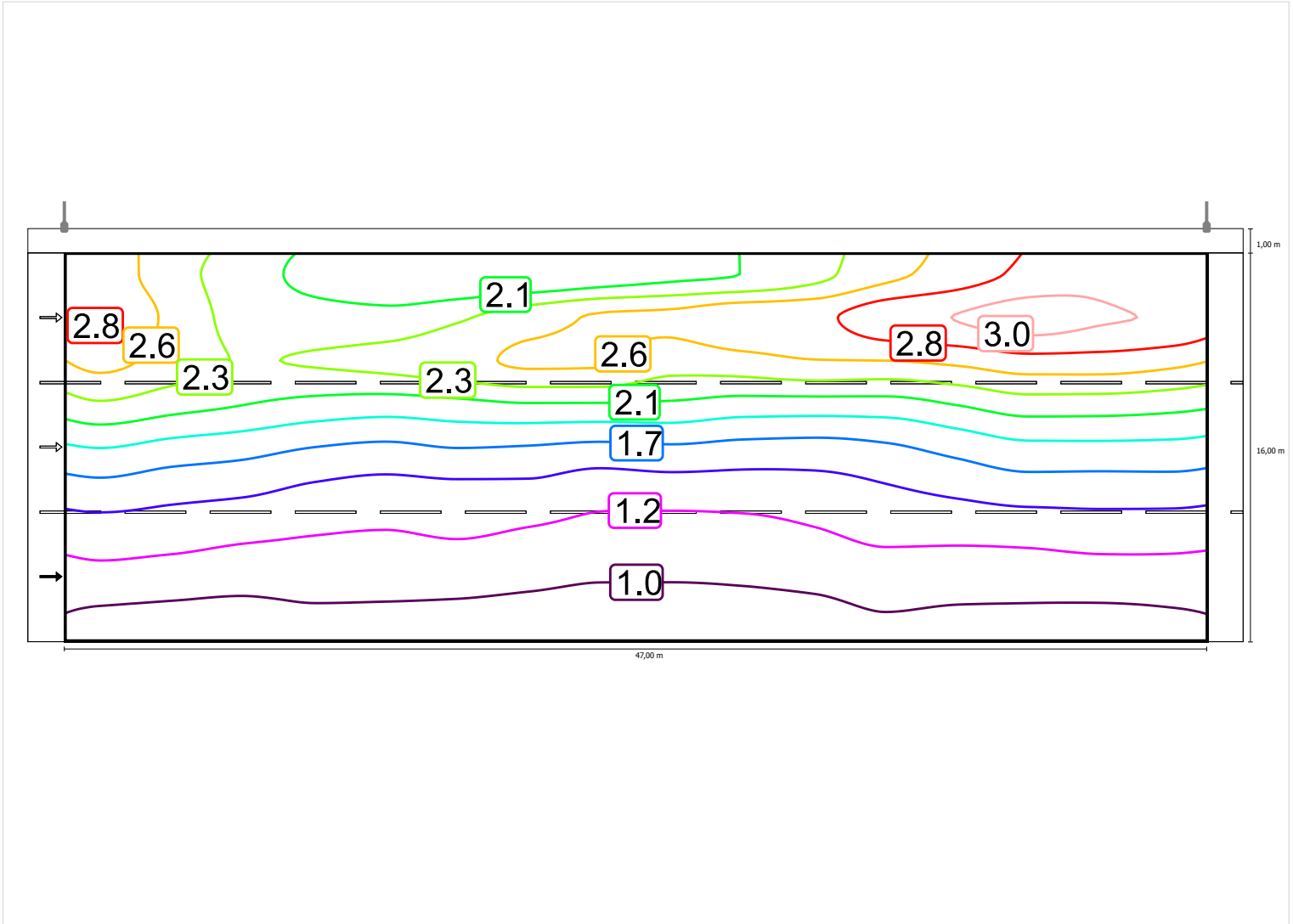
Illuminamento orizzontale



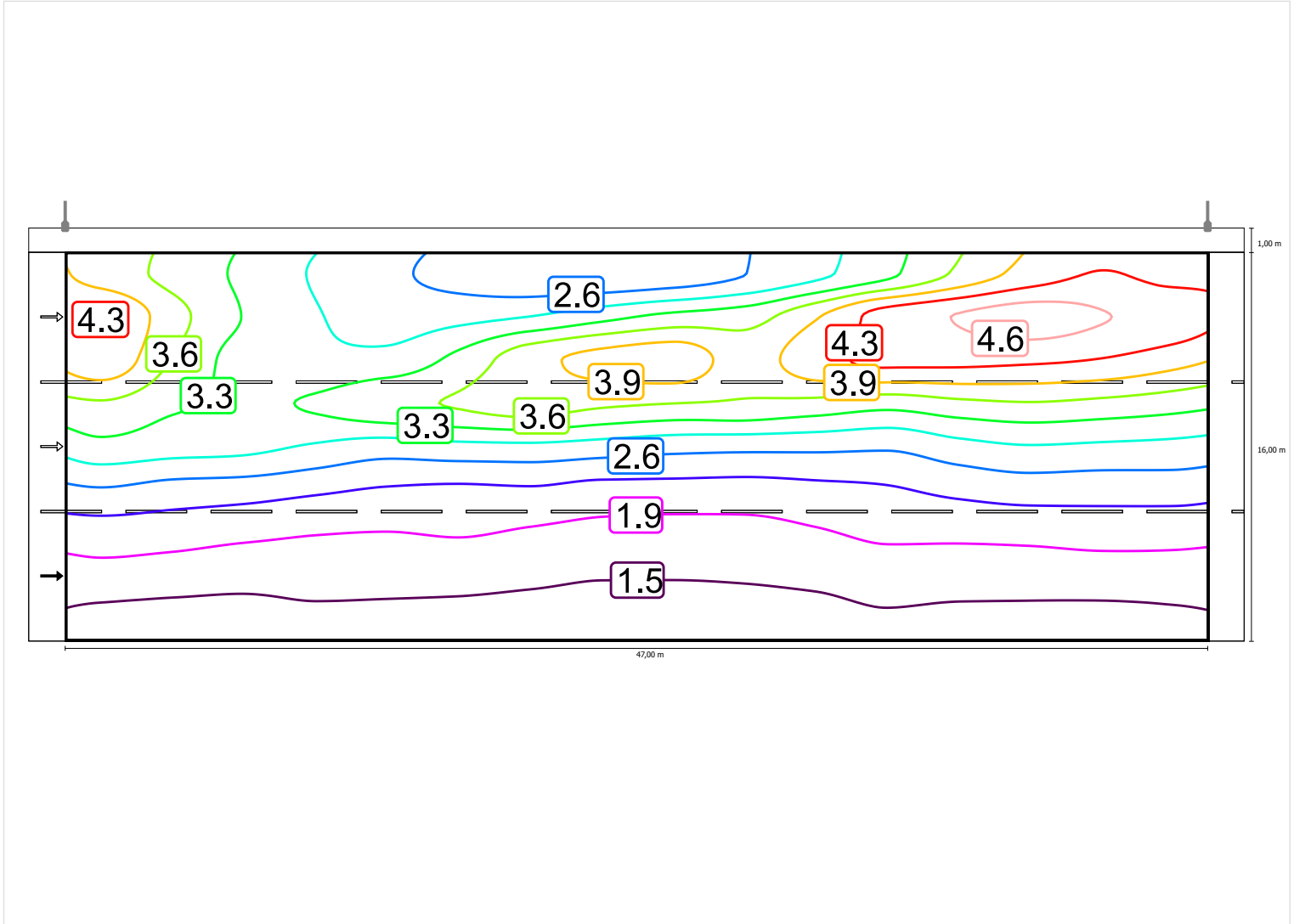
Scala: 1 : 500

Osservatore 1

Luminanza con carreggiata asciutta



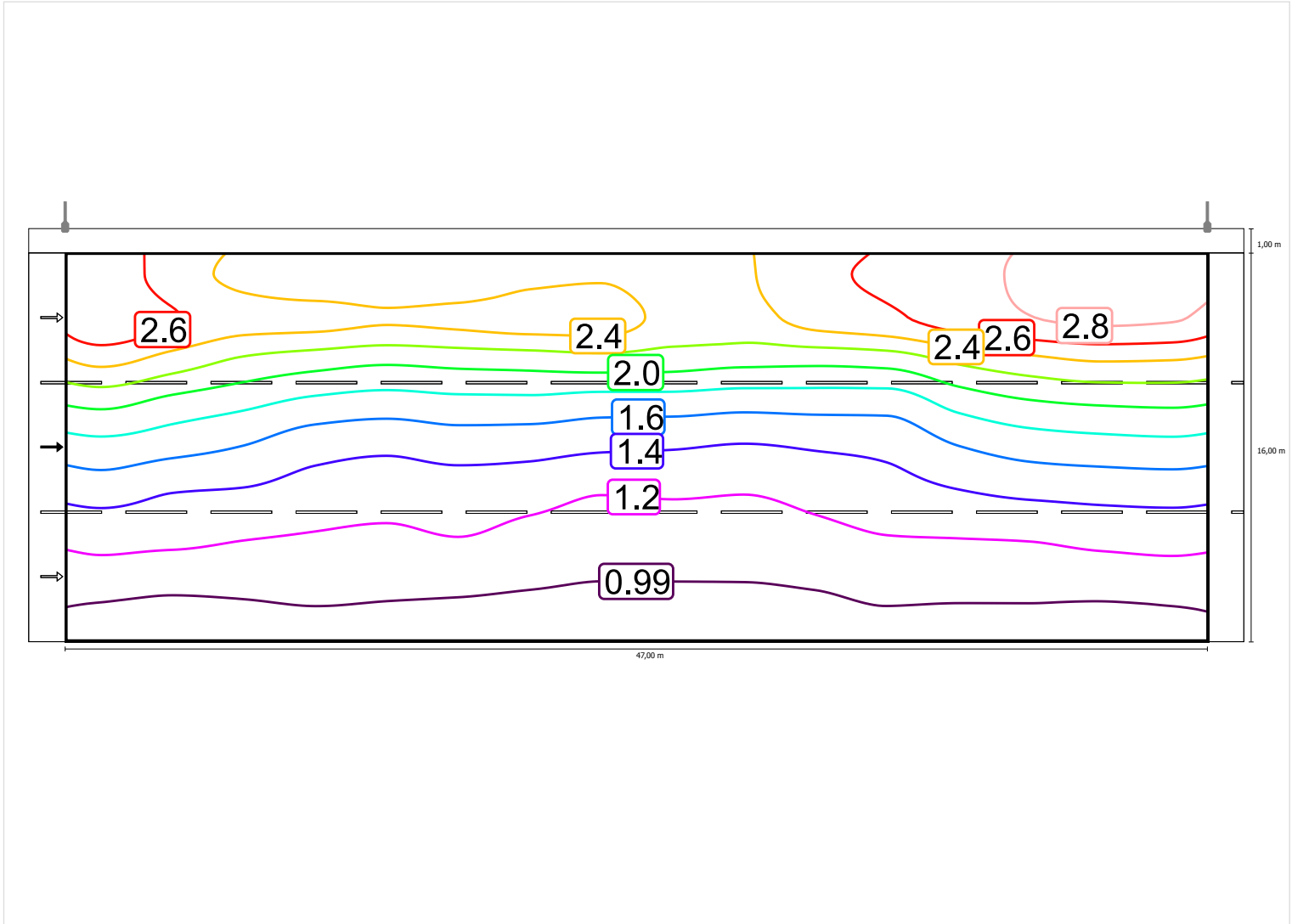
Luminanza con lampada nuova



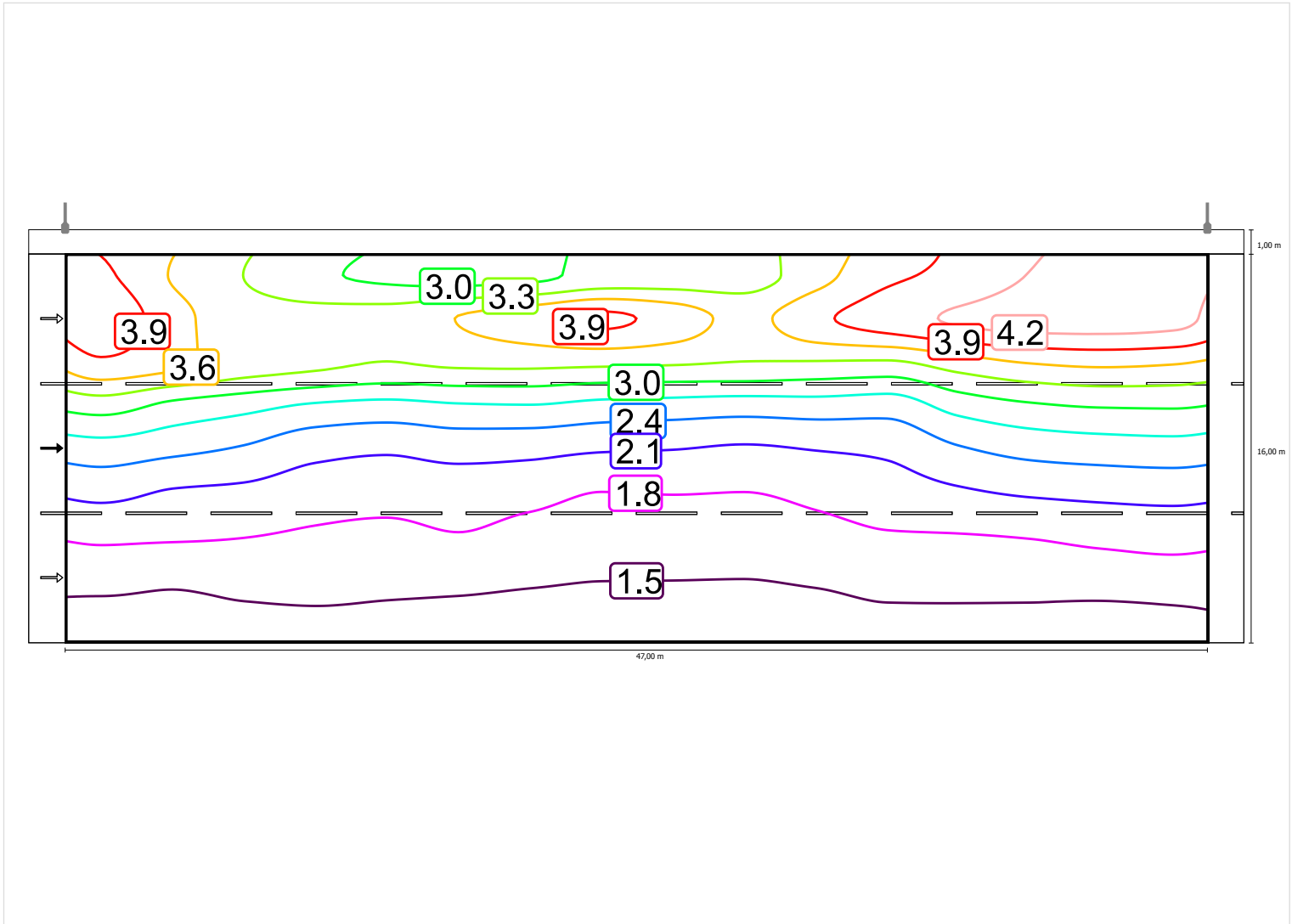
Scala: 1 : 500

Osservatore 2

Luminanza con carreggiata asciutta



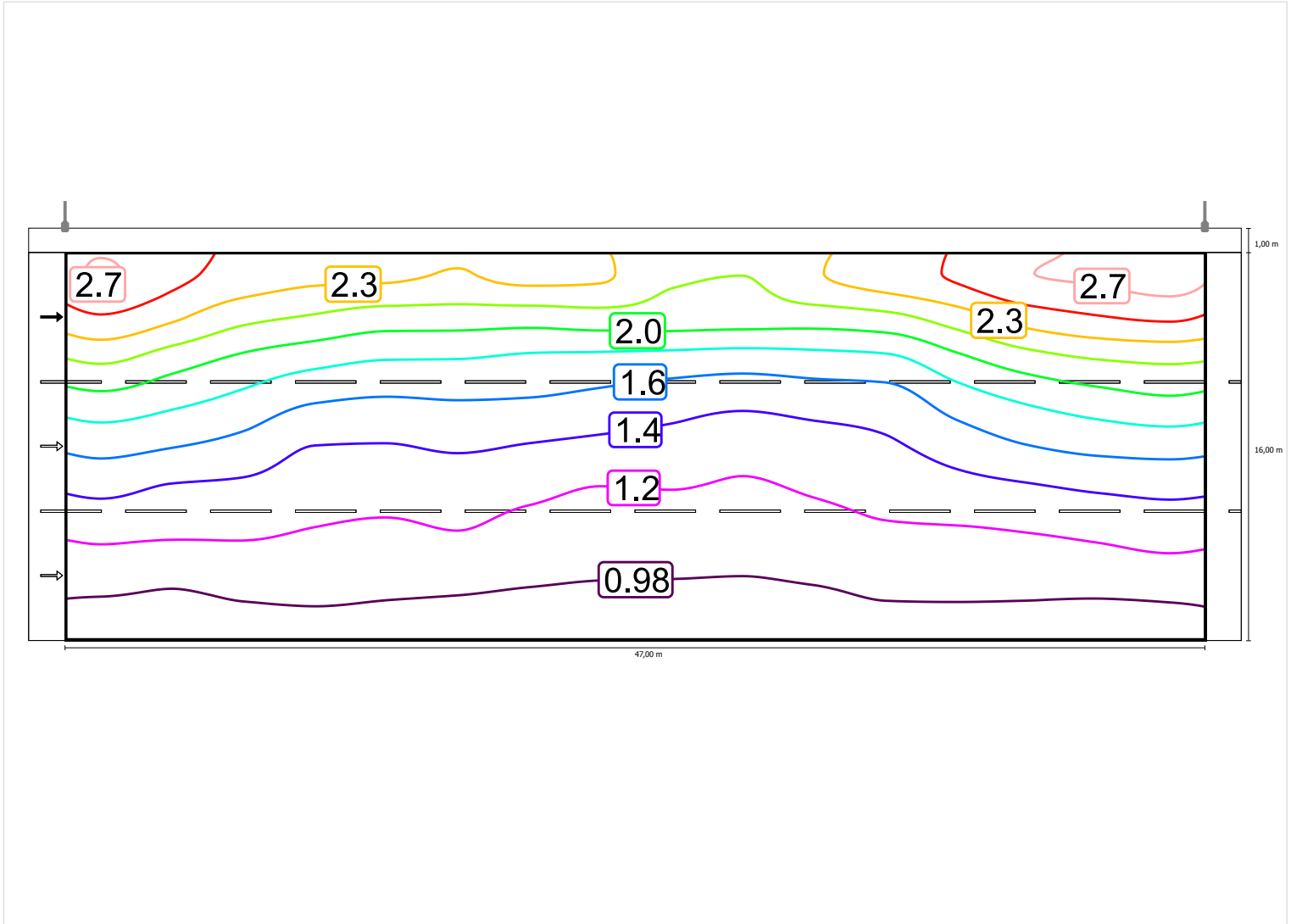
Luminanza con lampada nuova



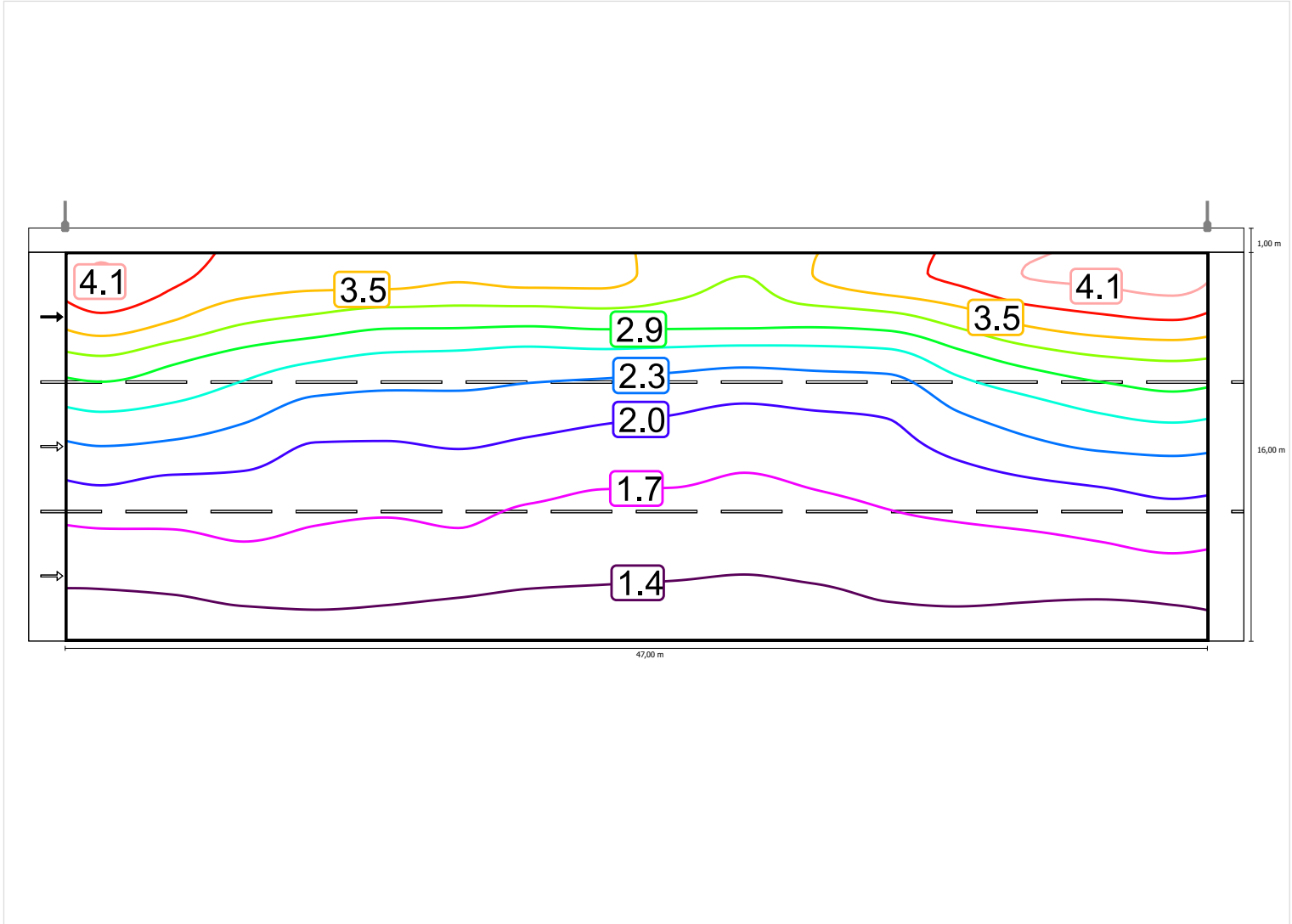
Scala: 1 : 500

Osservatore 3

Luminanza con carreggiata asciutta



Luminanza con lampada nuova



Scala: 1 : 500

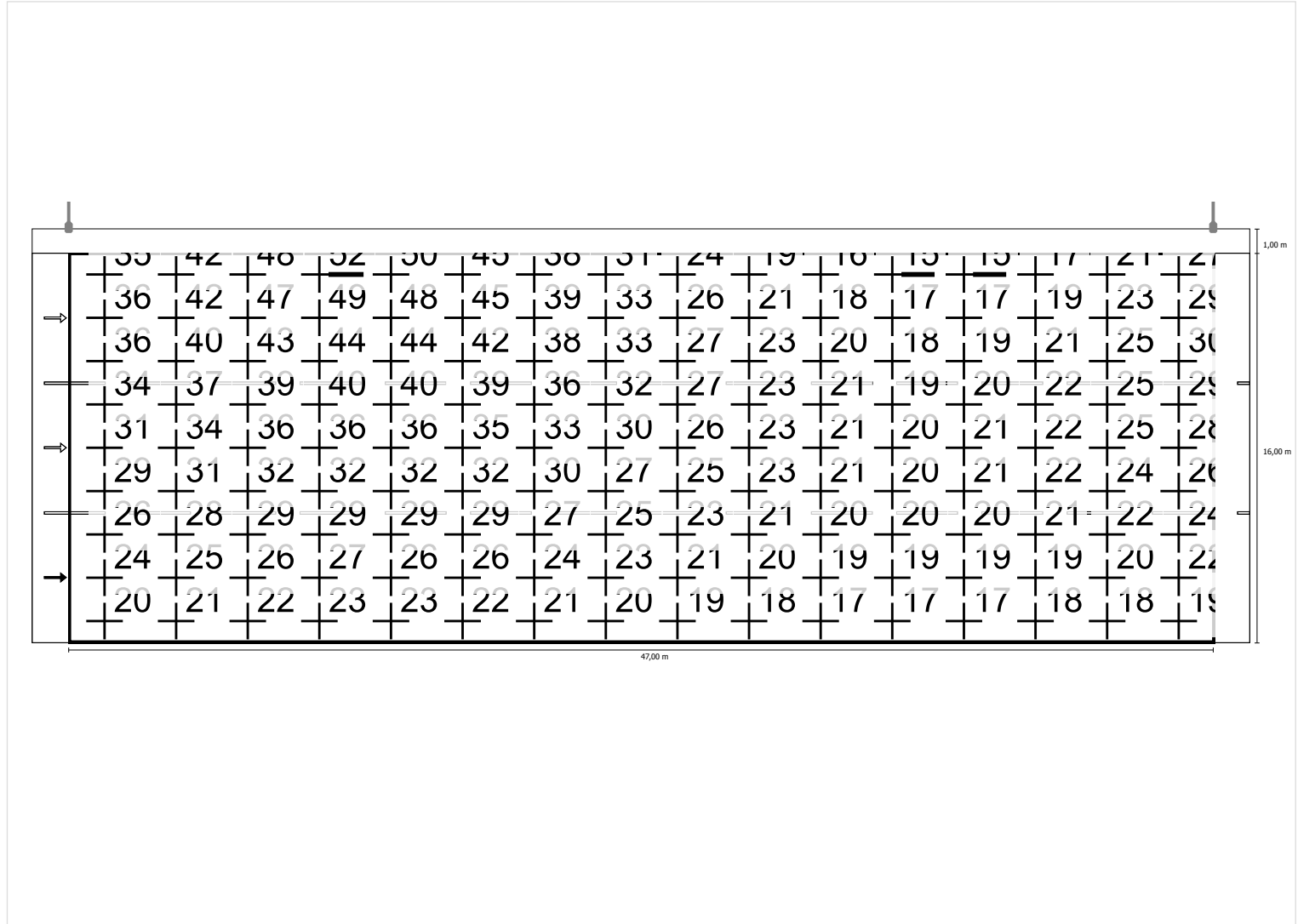
Carreggiata (M2)

Fattore di diminuzione: 0.67

Reticolo: 16 x 9 Punti

Lm [cd/m ²] ≥ 1.50	Uo ≥ 0.40	UI ≥ 0.70	TI [%] ≤ 10	EIR ≥ 0.35
✓ 1.56	✓ 0.50	✓ 0.79	✓ 10	✓ 0.57

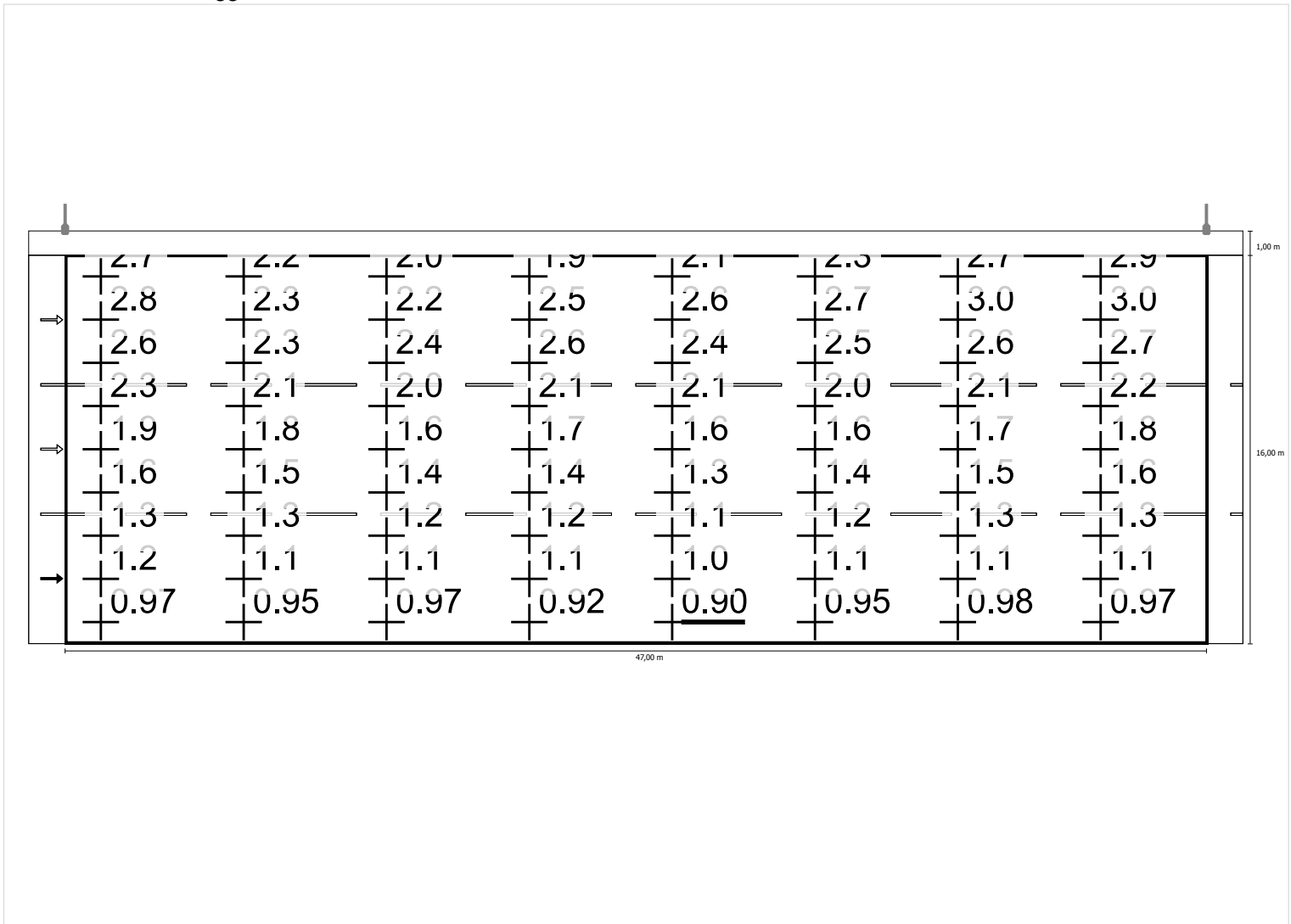
Illuminamento orizzontale



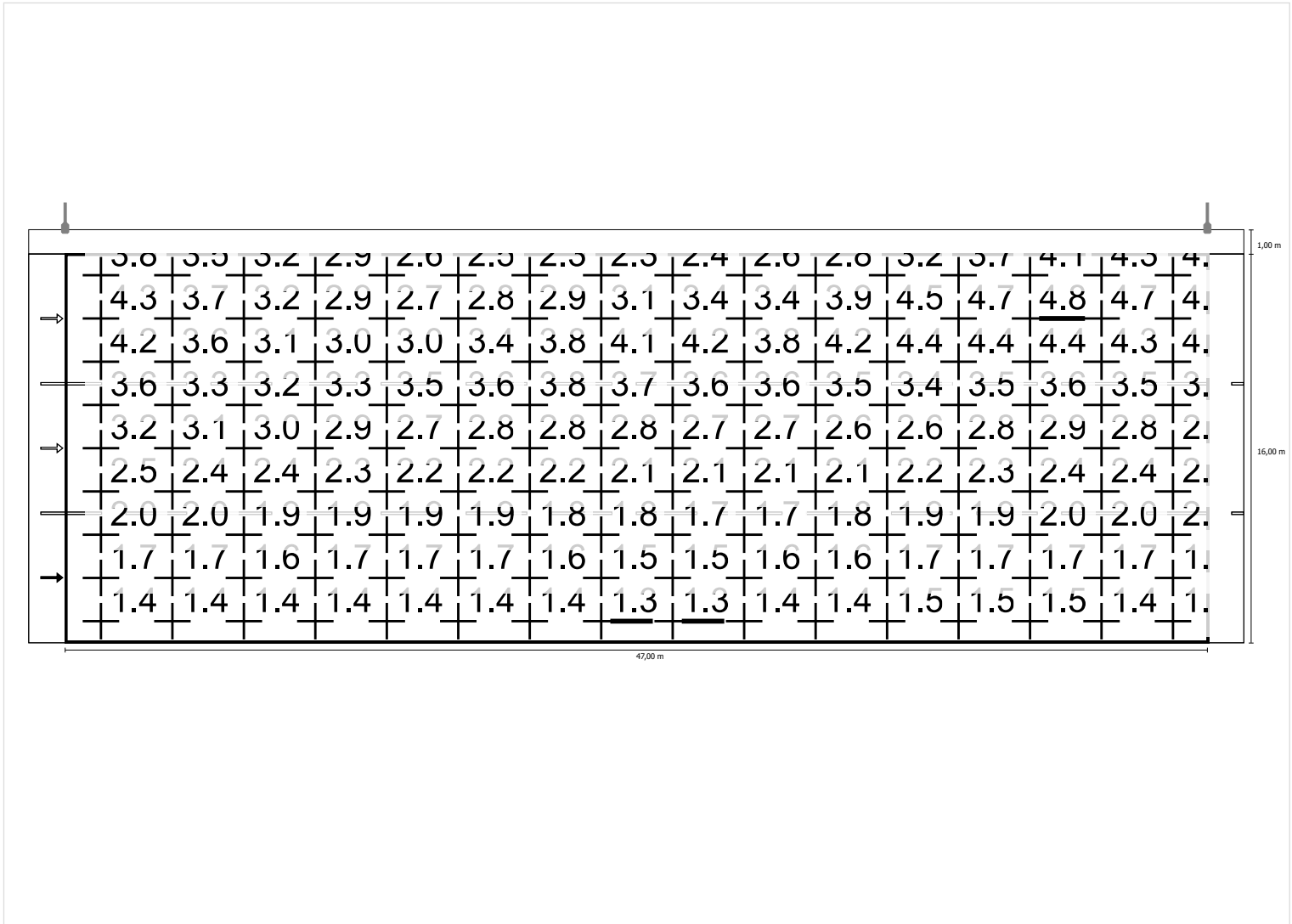
Scala: 1 : 500

Osservatore 1

Luminanza con carreggiata asciutta



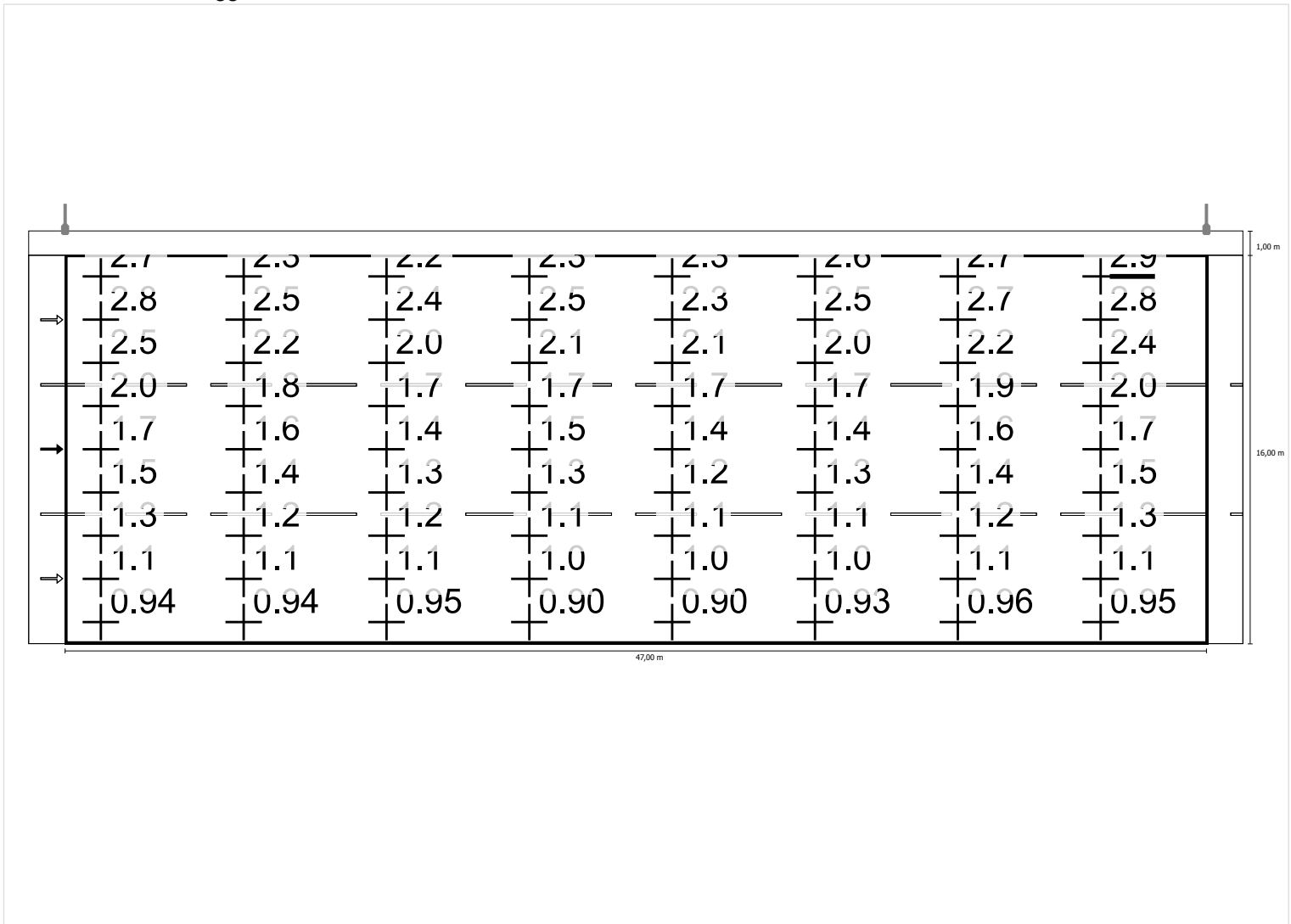
Luminanza con lampada nuova



Scala: 1 : 500

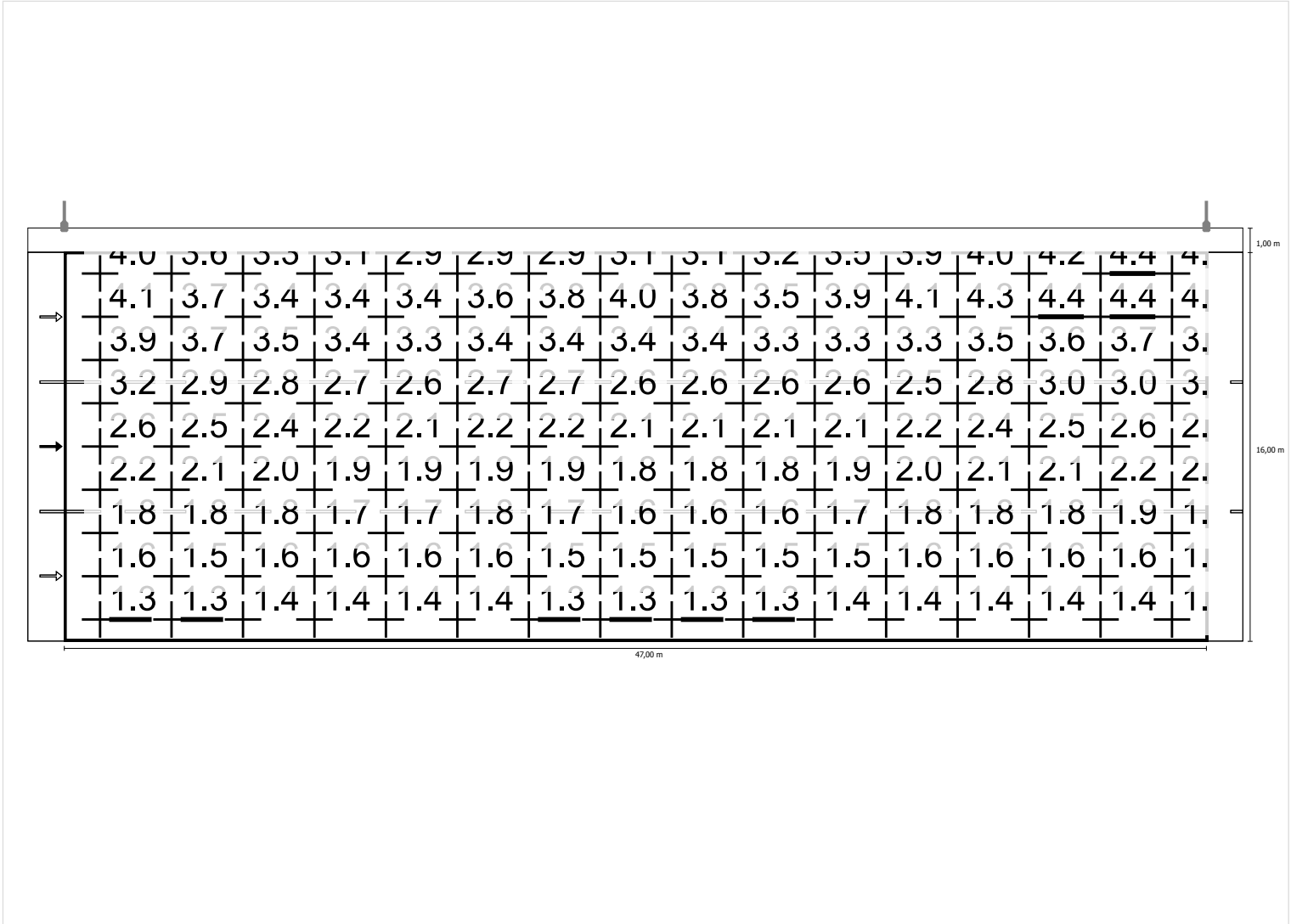
Osservatore 2

Luminanza con carreggiata asciutta



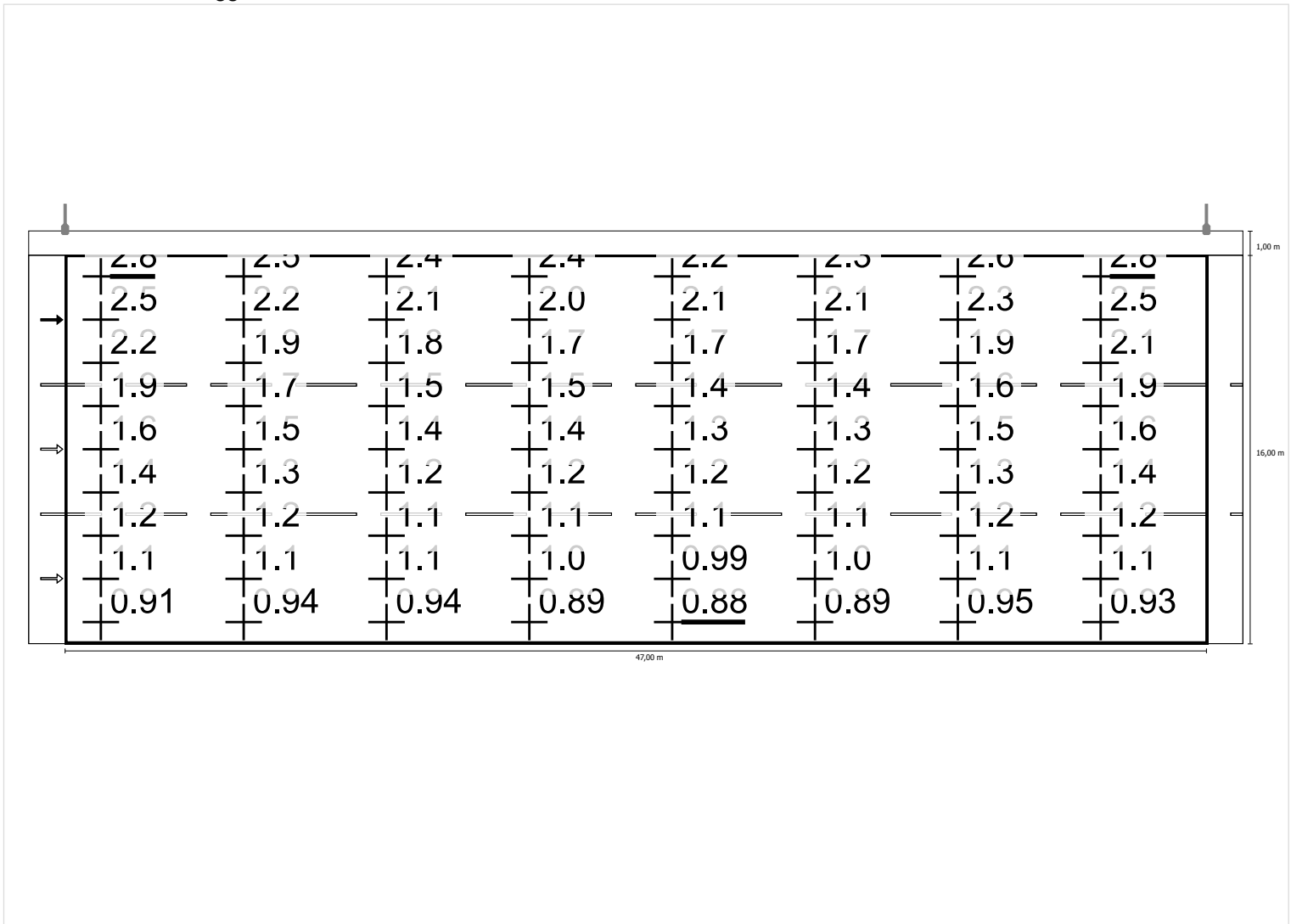
Scala: 1 : 500

Luminanza con lampada nuova

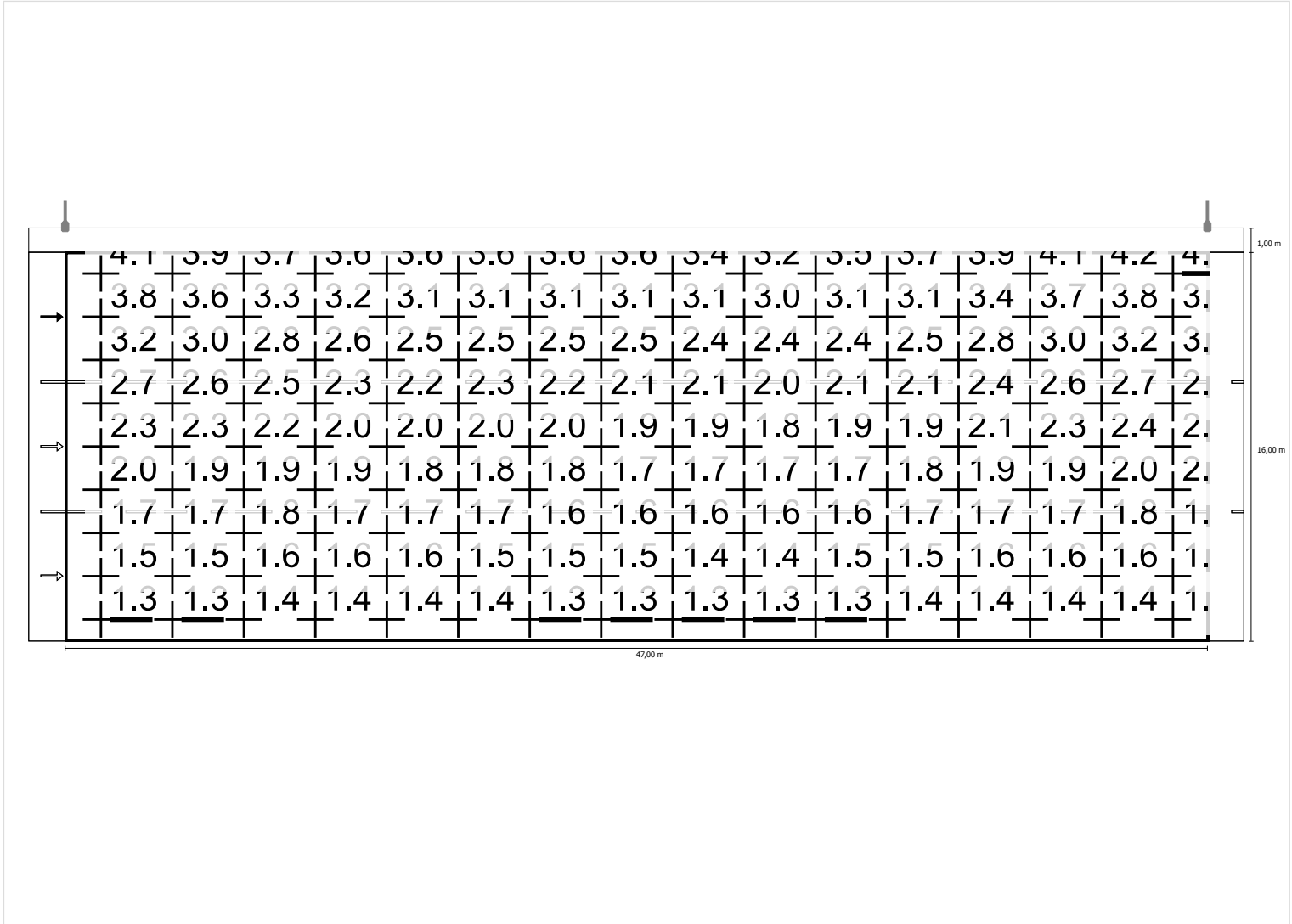


Osservatore 3

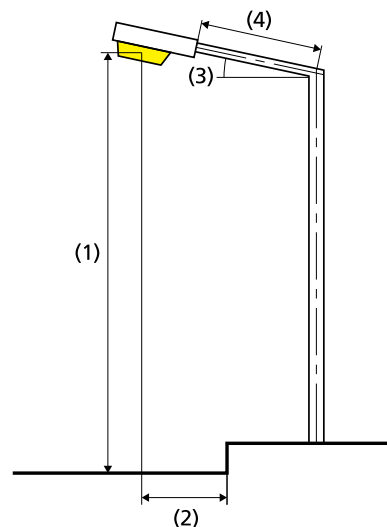
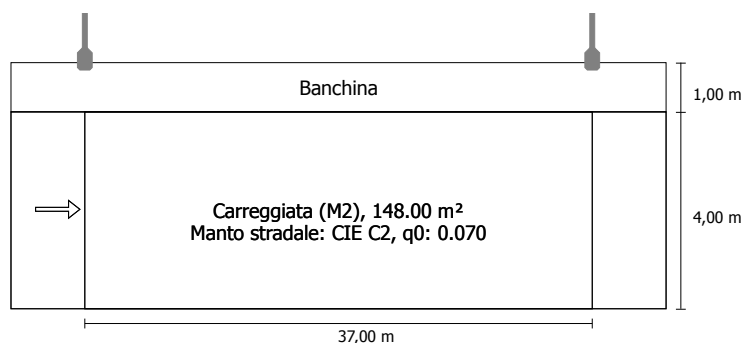
Luminanza con carreggiata asciutta



Luminanza con lampada nuova



04-Corsia marcia 4m e banchina 1m in direzione EN 13201:2015

Philips Lighting BGP623 T25 1 xLED100-4S/740 DM11
1xLED100-4S/740

Risultati per i campi di valutazione

Fattore di diminuzione: 0.80

Carreggiata (M2)

Lm [cd/m ²] ≥ 1.50	Uo ≥ 0.40	UI ≥ 0.70	TI [%] ≤ 10	EIR ≥ 0.35
✓ 1.68	✓ 0.76	✓ 0.83	✓ 8	✓ 0.84

Risultati per gli indicatori dell'efficienza energetica

Indice della densità di potenza (Dp)

0.042 W/lxm²

Densità di consumo energetico

Disposizione: BGP623 T25 1 xLED100-4S/740 DM11 (536.0 kWh)

3.6 kWh/m² p.a.

Flusso luminoso (lampada):	17990.05 lm
Flusso luminoso (lampadina):	20000.00 lm
Ore di esercizio	
4000 h:	100.0 %, 134.0 W
W/km:	3618.0
Disposizione:	su un lato sopra
Distanza pali:	37.000 m
Inclinazione braccio (3):	0.0°
Lunghezza braccio (4):	1.000 m
Altezza fuochi (1):	10.000 m
Sporgenza punto luce (2):	-1.100 m
ULR:	0.00
ULOR:	0.00
Valori massimi dell'intensità luminosa	
per 70°:	569 cd/klm
per 80°:	157 cd/klm
per 90°:	0.00 cd/klm
Classe intensità luminose:	G*1

Per tutte le direzioni che, per le lampade installate e utilizzabili, formano l'angolo indicato con le verticali inferiori.

La disposizione rispetta la classe degli indici di abbagliamento D.6

Carreggiata (M2)

Fattore di diminuzione: 0.80

Reticolo: 13 x 3 Punti

Lm [cd/m ²] ≥ 1.50	Uo ≥ 0.40	UI ≥ 0.70	TI [%] ≤ 10	EIR ≥ 0.35
✓ 1.68	✓ 0.76	✓ 0.83	✓ 8	✓ 0.84

Osservatori corrispondenti (1):

Osservatore	Posizione [m]	Lm [cd/m ²] ≥ 1.50	Uo ≥ 0.40	UI ≥ 0.70	TI [%] ≤ 10
Osservatore 1	(-60.000, 2.000, 1.500)	1.68	0.76	0.83	8

Carreggiata (M2)

Illuminamento orizzontale [lx]

3.333	18.9	14.5	12.0	11.0	11.5	13.3	17.0	22.6	29.4	37.3	39.2	32.5	25.1
2.000	19.8	15.7	13.4	12.5	12.9	14.7	18.1	23.1	28.8	34.8	36.3	31.1	25.3
0.667	20.0	16.7	14.6	13.7	14.1	15.7	18.6	22.6	27.0	31.2	32.3	28.7	24.2
m	1.423	4.269	7.115	9.962	12.808	15.654	18.500	21.346	24.192	27.038	29.885	32.731	35.577

Reticolo: 13 x 3 Punti

Em [lx]	Emin [lx]	Emax [lx]	g1	g2
21.8	11.0	39.2	0.507	0.281

Osservatore 1

Luminanza con carreggiata asciutta [cd/m²]

3.333	1.69	1.59	1.76	1.92	2.06	2.10	2.16	2.13	2.08	2.08	1.99	1.88	1.82
2.000	1.54	1.55	1.58	1.62	1.74	1.82	1.85	1.85	1.79	1.76	1.69	1.61	1.56
0.667	1.27	1.28	1.30	1.31	1.45	1.50	1.52	1.55	1.51	1.50	1.44	1.39	1.32
m	1.423	4.269	7.115	9.962	12.808	15.654	18.500	21.346	24.192	27.038	29.885	32.731	35.577

Reticolo: 13 x 3 Punti

Luminanza con lampada nuova [cd/m²]

3.333	2.27	2.10	2.26	2.50	2.66	2.75	2.78	2.74	2.67	2.66	2.53	2.40	2.35
2.000	1.93	1.94	1.97	2.02	2.17	2.27	2.31	2.31	2.24	2.20	2.11	2.02	1.95
0.667	1.47	1.48	1.50	1.53	1.73	1.80	1.84	1.89	1.84	1.84	1.75	1.68	1.59
m	1.423	4.269	7.115	9.962	12.808	15.654	18.500	21.346	24.192	27.038	29.885	32.731	35.577

Reticolo: 13 x 3 Punti

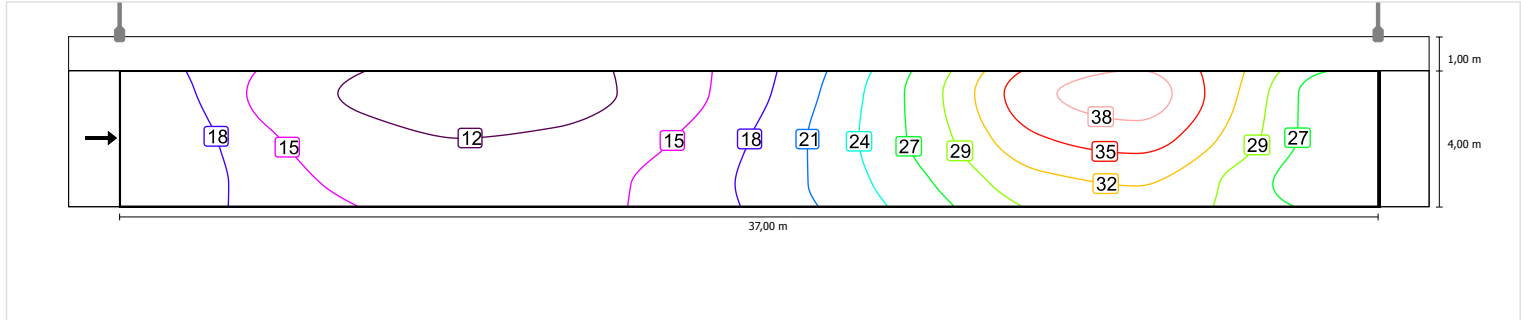
Carreggiata (M2)

Fattore di diminuzione: 0.80

Reticolo: 13 x 3 Punti

Lm [cd/m ²] ≥ 1.50	Uo ≥ 0.40	UI ≥ 0.70	TI [%] ≤ 10	EIR ≥ 0.35
✓ 1.68	✓ 0.76	✓ 0.83	✓ 8	✓ 0.84

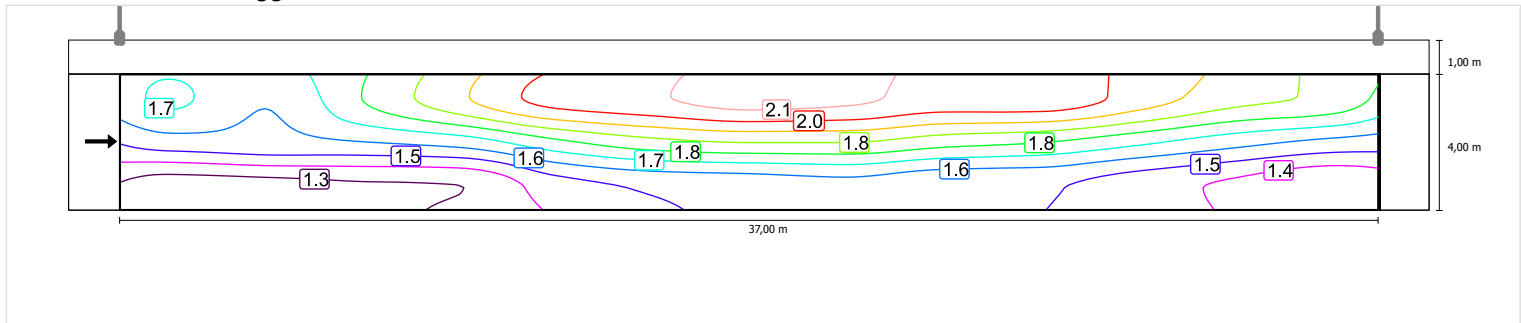
Illuminamento orizzontale



Scala: 1 : 200

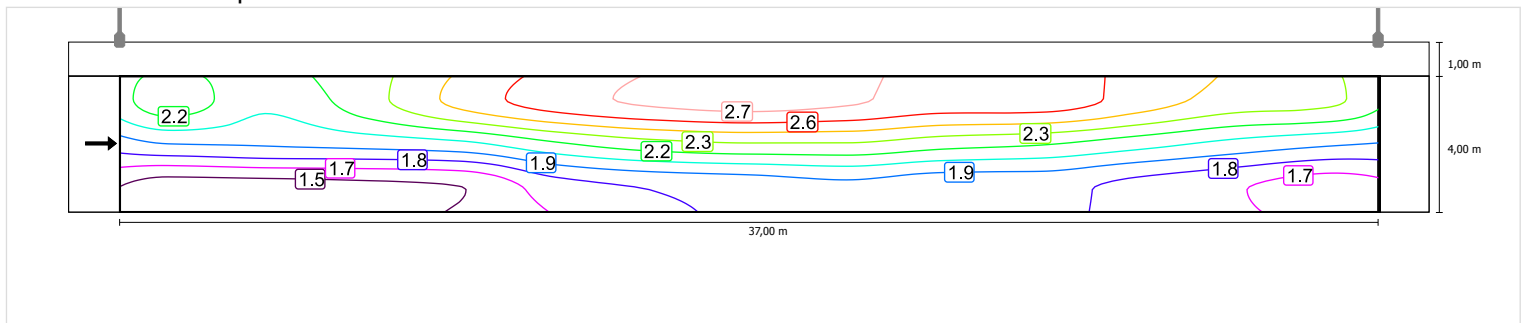
Osservatore 1

Luminanza con carreggiata asciutta



Scala: 1 : 200

Luminanza con lampada nuova



Scala: 1 : 200

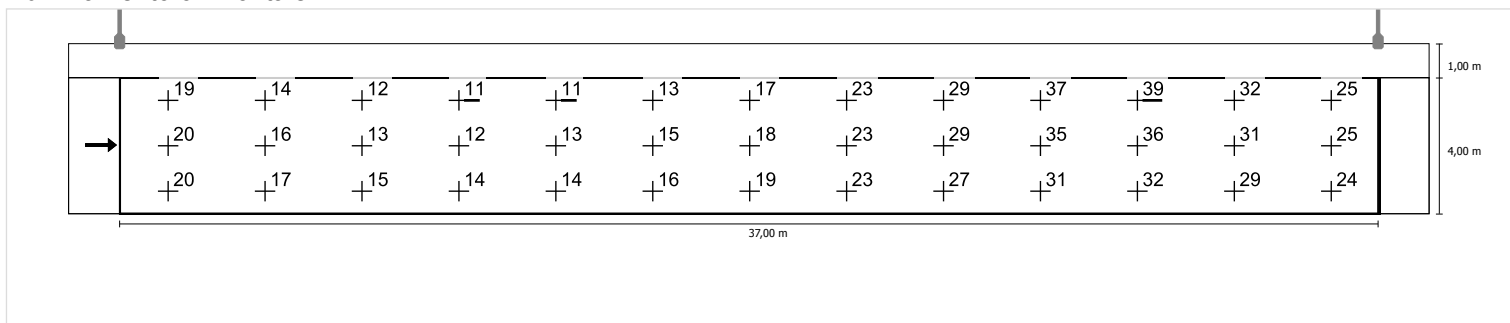
Carreggiata (M2)

Fattore di diminuzione: 0.80

Reticolo: 13 x 3 Punti

Lm [cd/m ²] ≥ 1.50	Uo ≥ 0.40	UI ≥ 0.70	TI [%] ≤ 10	EIR ≥ 0.35
✓ 1.68	✓ 0.76	✓ 0.83	✓ 8	✓ 0.84

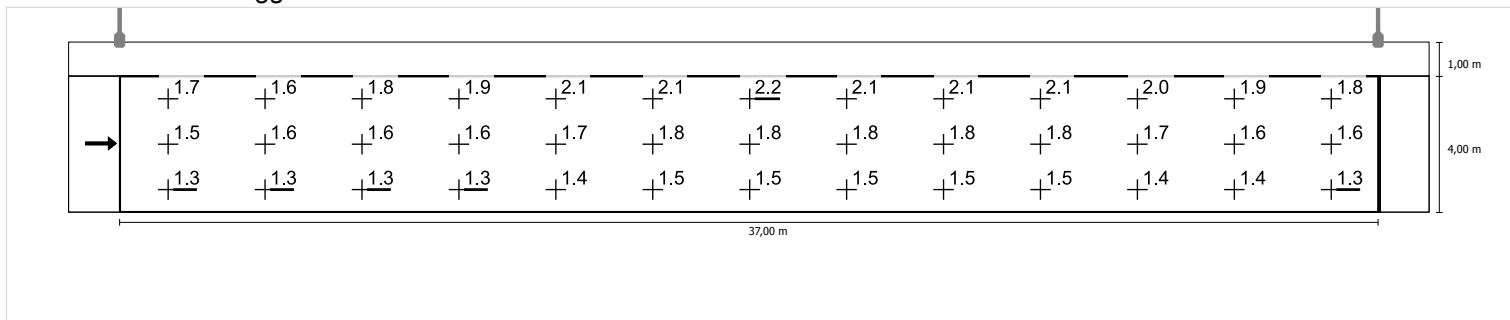
Illuminamento orizzontale



Scala: 1 : 200

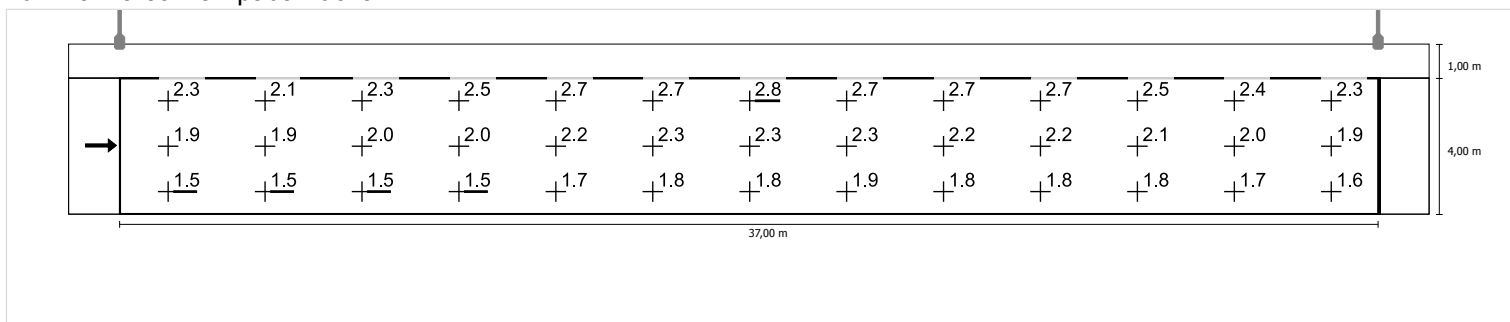
Osservatore 1

Luminanza con carreggiata asciutta



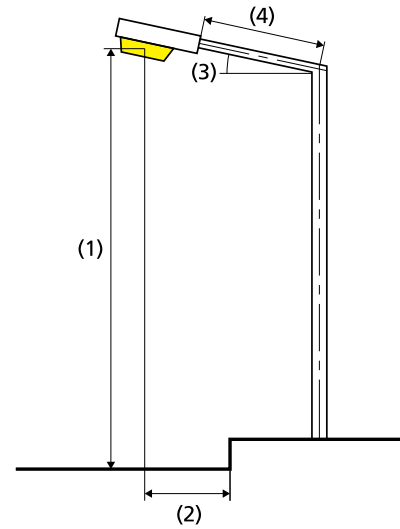
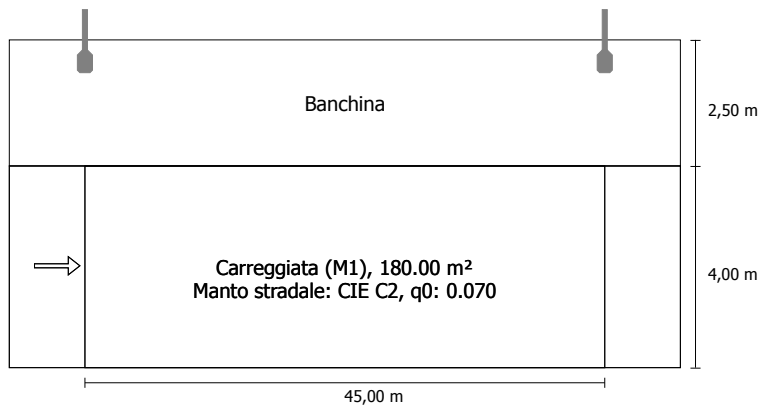
Scala: 1 : 200

Luminanza con lampada nuova



Scala: 1 : 200

02-Corsia decelerazione/accelerazione 4m e banchina 1m in direzione EN 13201:2015

Philips Lighting BGP627 1 xLED400/740 DM11
1xLED400/740/-

Risultati per i campi di valutazione

Fattore di diminuzione: 0.80

Carreggiata (M1)

Lm [cd/m²] ≥ 2.00	Uo ≥ 0.40	UI ≥ 0.70	TI [%] ≤ 10	EIR ≥ 0.35
✓ 2.21	✓ 0.77	✓ 0.84	✓ 9	✓ 0.87

Risultati per gli indicatori dell'efficienza energetica

Indice della densità di potenza (Dp)	0.052 W/lxm²
Densità di consumo energetico	
Disposizione: BGP627 1 xLED400/740 DM11 (1100.0 kWh)	6.1 kWh/m² p.a.

Flusso luminoso (lampada):	35109.62 lm
Flusso luminoso (lampadina):	40000.00 lm
Ore di esercizio	
4000 h:	100.0 %, 275.0 W
W/km:	6050.0

Disposizione:	su un lato sopra
Distanza pali:	45.000 m
Inclinazione braccio (3):	0.0°
Lunghezza braccio (4):	1.000 m
Altezza fuochi (1):	12.000 m
Sporgenza punto luce (2):	-2.100 m

ULR:	0.00
ULOR:	0.00
Valori massimi dell'intensità luminosa	
per 70°:	556 cd/klm
per 80°:	153 cd/klm
per 90°:	0.00 cd/klm
Classe intensità luminose:	G*1

Per tutte le direzioni che, per le lampade installate e utilizzabili, formano l'angolo indicato con le verticali inferiori.

La disposizione rispetta la classe degli indici di abbagliamento D.6

Carreggiata (M1)

Fattore di diminuzione: 0.80

Reticolo: 15 x 3 Punti

Lm [cd/m ²] ≥ 2.00	Uo ≥ 0.40	UI ≥ 0.70	TI [%] ≤ 10	EIR ≥ 0.35
✓ 2.21	✓ 0.77	✓ 0.84	✓ 9	✓ 0.87

Osservatori corrispondenti (1):

Osservatore	Posizione [m]	Lm [cd/m ²] ≥ 2.00	Uo ≥ 0.40	UI ≥ 0.70	TI [%] ≤ 10
Osservatore 1	(-60.000, 2.000, 1.500)	2.21	0.77	0.84	9

Carreggiata (M1)

Illuminamento orizzontale [lx]

3.333	18.1	15.9	15.3	15.9	18.1	22.0	27.7	35.1	43.4	51.2	51.2	43.4	35.1	27.7	22.0
2.000	19.6	17.4	16.7	17.4	19.6	23.1	28.3	34.7	41.4	47.3	47.3	41.4	34.7	28.3	23.1
0.667	20.7	18.7	18.1	18.7	20.7	23.8	28.1	33.1	38.4	42.9	42.9	38.4	33.1	28.1	23.8
m	1.500	4.500	7.500	10.500	13.500	16.500	19.500	22.500	25.500	28.500	31.500	34.500	37.500	40.500	43.500

Reticolo: 15 x 3 Punti

Em [lx]	Emin [lx]	Emax [lx]	g1	g2
29.1	15.3	51.2	0.523	0.298

Osservatore 1

Luminanza con carreggiata asciutta [cd/m²]

3.333	2.28	2.42	2.55	2.67	2.74	2.81	2.80	2.77	2.70	2.73	2.57	2.42	2.34	2.23	2.17
2.000	2.03	2.05	2.11	2.26	2.36	2.39	2.39	2.40	2.31	2.29	2.19	2.10	2.04	2.02	2.03
0.667	1.69	1.71	1.75	1.92	1.99	2.02	2.03	2.05	2.00	2.00	1.90	1.83	1.76	1.72	1.73
m	1.500	4.500	7.500	10.500	13.500	16.500	19.500	22.500	25.500	28.500	31.500	34.500	37.500	40.500	43.500

Reticolo: 15 x 3 Punti

Luminanza con lampada nuova [cd/m²]

3.333	2.89	3.16	3.37	3.51	3.57	3.63	3.59	3.54	3.45	3.49	3.28	3.10	3.00	2.85	2.74
2.000	2.54	2.56	2.64	2.83	2.95	2.99	2.98	3.00	2.88	2.86	2.74	2.63	2.55	2.52	2.53
0.667	1.97	1.99	2.09	2.31	2.40	2.46	2.48	2.52	2.46	2.46	2.33	2.24	2.15	2.10	2.13
m	1.500	4.500	7.500	10.500	13.500	16.500	19.500	22.500	25.500	28.500	31.500	34.500	37.500	40.500	43.500

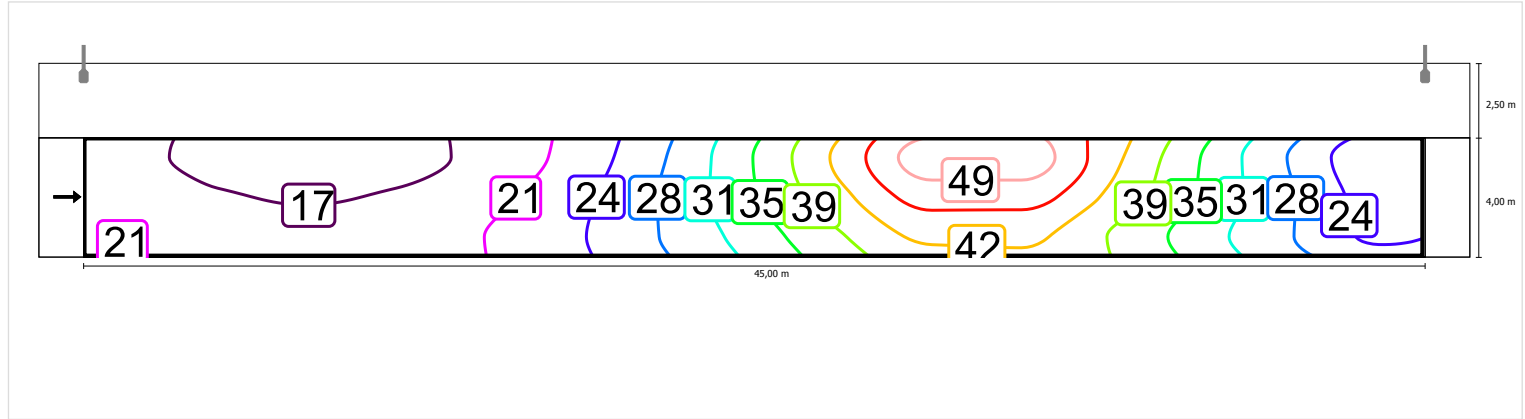
Reticolo: 15 x 3 Punti

Carreggiata (M1)

Fattore di diminuzione: 0.80
 Reticolo: 15 x 3 Punti

Lm [cd/m ²] ≥ 2.00	Uo ≥ 0.40	UI ≥ 0.70	TI [%] ≤ 10	EIR ≥ 0.35
✓ 2.21	✓ 0.77	✓ 0.84	✓ 9	✓ 0.87

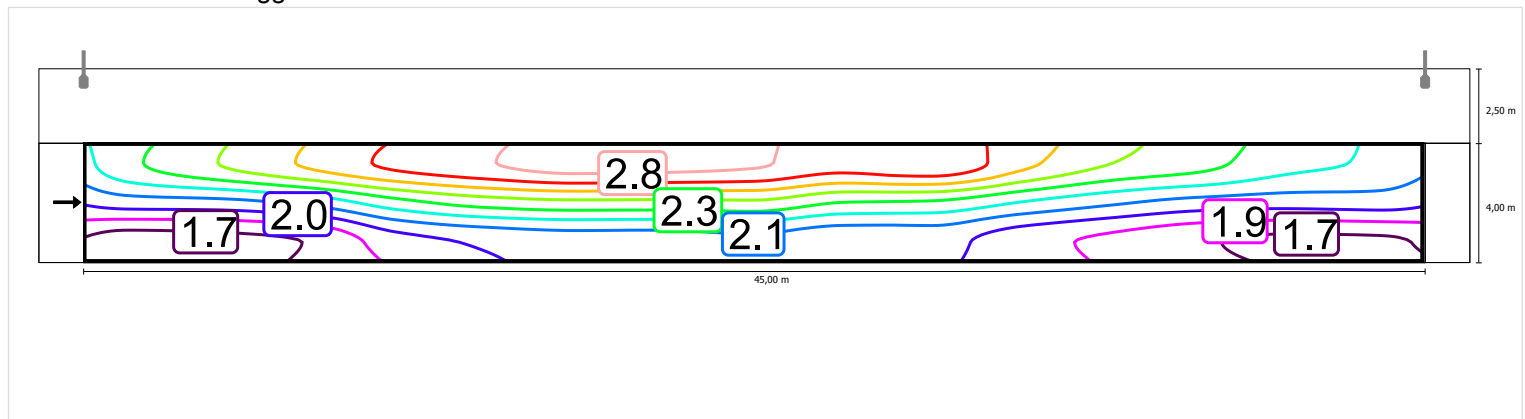
Illuminamento orizzontale



Scala: 1 : 500

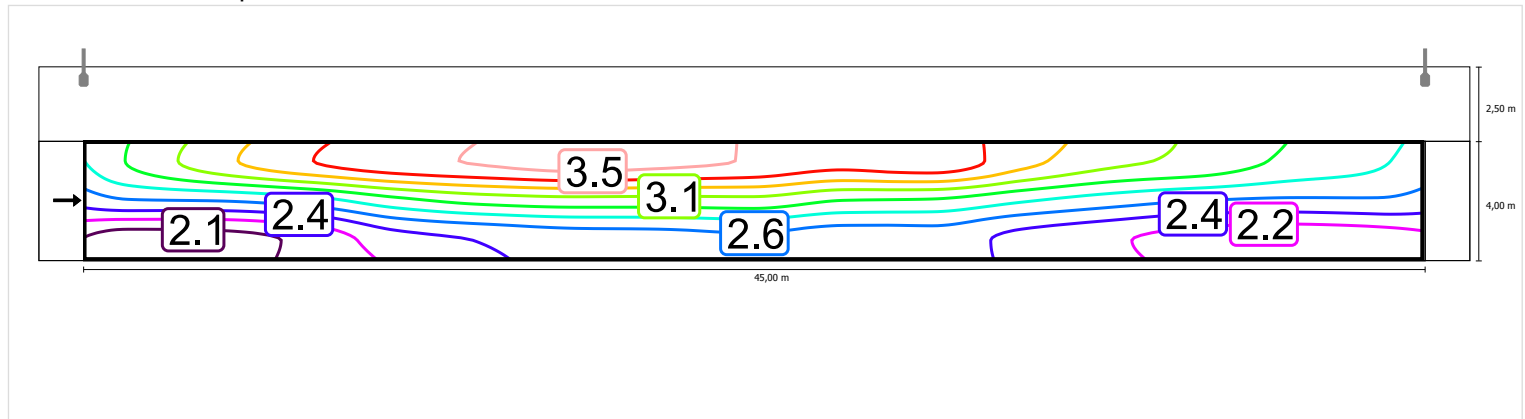
Osservatore 1

Luminanza con carreggiata asciutta



Scala: 1 : 500

Luminanza con lampada nuova



Scala: 1 : 500

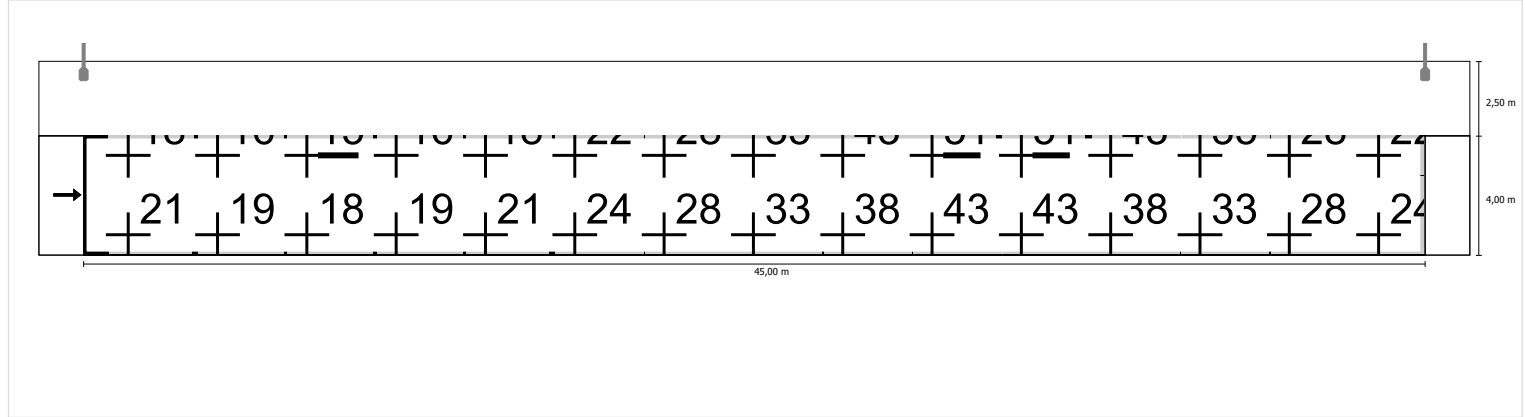
Carreggiata (M1)

Fattore di diminuzione: 0.80

Reticolo: 15 x 3 Punti

Lm [cd/m ²] ≥ 2.00	Uo ≥ 0.40	UI ≥ 0.70	TI [%] ≤ 10	EIR ≥ 0.35
✓ 2.21	✓ 0.77	✓ 0.84	✓ 9	✓ 0.87

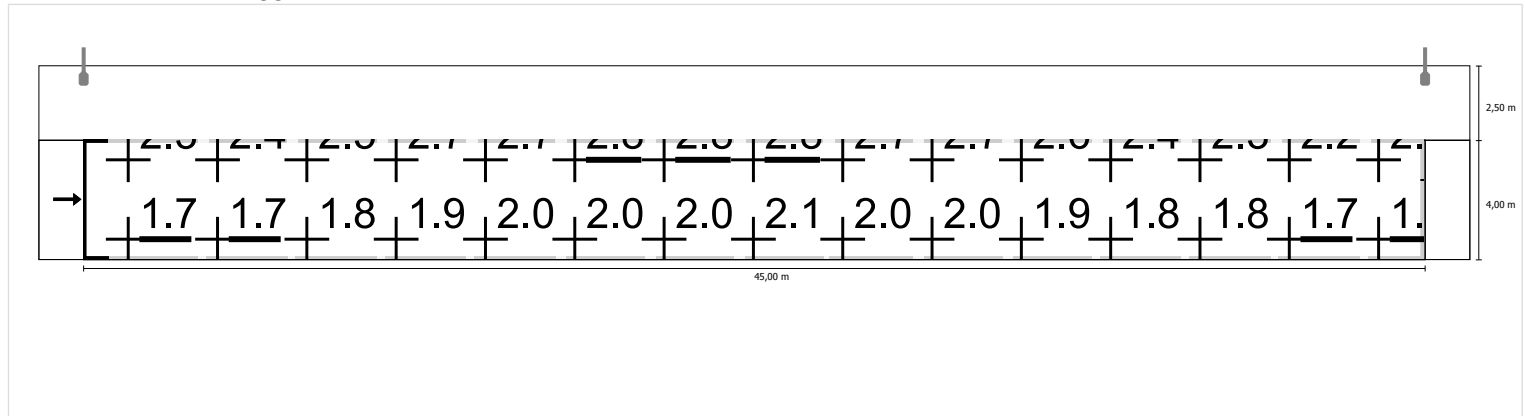
Illuminamento orizzontale



Scala: 1 : 500

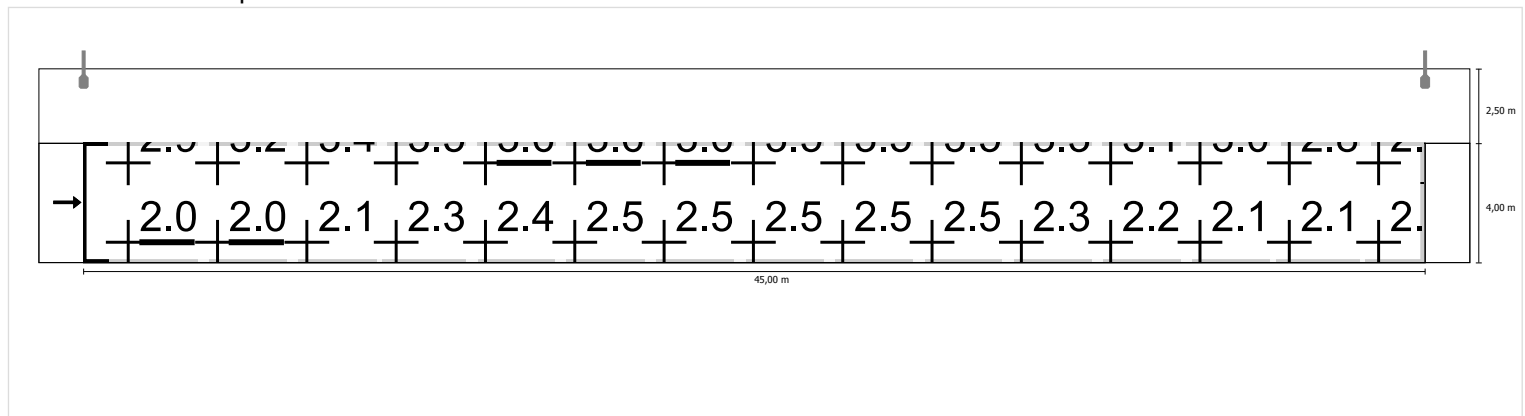
Osservatore 1

Luminanza con carreggiata asciutta



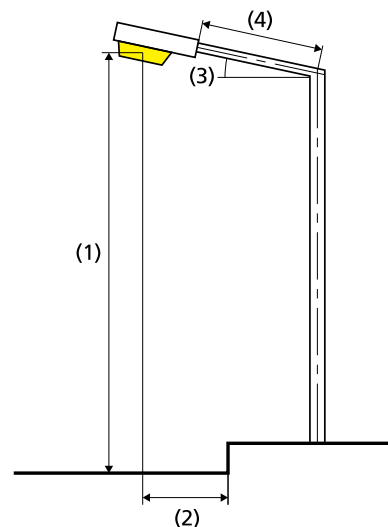
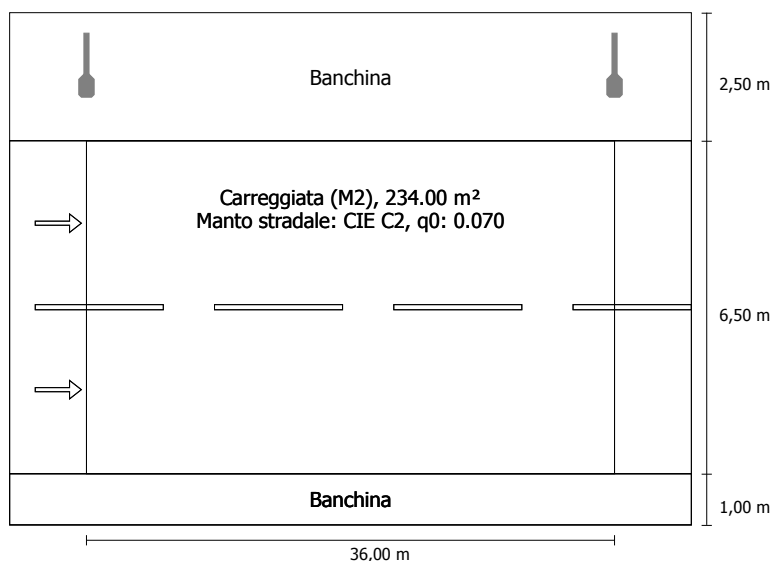
Scala: 1 : 500

Luminanza con lampada nuova



Scala: 1 : 500

09-Viabilità esterna 3.25+3.25+0.5+0.5 in direzione EN 13201:2015

Philips Lighting BGP623 T25 1 xLED100-4S/740 DM11
1xLED100-4S/740

Risultati per i campi di valutazione

Fattore di diminuzione: 0.80

Carreggiata (M2)

Lm [cd/m²] ≥ 1.50	Uo ≥ 0.40	UI ≥ 0.70	TI [%] ≤ 10	EIR ≥ 0.35
✓ 1.54	✓ 0.62	✓ 0.81	✓ 10	✓ 0.73

Risultati per gli indicatori dell'efficienza energetica

Indice della densità di potenza (Dp)	0.025 W/lxm²
Densità di consumo energetico	
Disposizione: BGP623 T25 1 xLED100-4S/740 DM11 (536.0 kWh)	2.3 kWh/m² p.a.

Flusso luminoso (lampada):	17990.05 lm
Flusso luminoso (lampadina):	20000.00 lm
Ore di esercizio	
4000 h:	100.0 %, 134.0 W
W/km:	3752.0
Disposizione:	su un lato sopra
Distanza pali:	36.000 m
Inclinazione braccio (3):	0.0°
Lunghezza braccio (4):	1.000 m
Altezza fuochi (1):	9.500 m
Sporgenza punto luce (2):	-1.100 m

ULR:	0.00
ULOR:	0.00
Valori massimi dell'intensità luminosa	
per 70°:	569 cd/klm
per 80°:	157 cd/klm
per 90°:	0.00 cd/klm
Classe intensità luminose:	G*1

Per tutte le direzioni che, per le lampade installate e utilizzabili, formano l'angolo indicato con le verticali inferiori.

La disposizione rispetta la classe degli indici di abbagliamento D.6

Carreggiata (M2)

Fattore di diminuzione: 0.80

Reticolo: 12 x 6 Punti

Lm [cd/m ²] ≥ 1.50	Uo ≥ 0.40	UI ≥ 0.70	TI [%] ≤ 10	EIR ≥ 0.35
✓ 1.54	✓ 0.62	✓ 0.81	✓ 10	✓ 0.73

Osservatori corrispondenti (2):

Osservatore	Posizione [m]	Lm [cd/m ²] ≥ 1.50	Uo ≥ 0.40	UI ≥ 0.70	TI [%] ≤ 10
Osservatore 1	(-60.000, 2.625, 1.500)	1.70	0.62	0.86	9
Osservatore 2	(-60.000, 5.875, 1.500)	1.54	0.64	0.81	10

Carreggiata (M2)

Illuminamento orizzontale [lx]

6.958	17.6	24.2	32.7	42.2	42.2	32.7	24.2	17.6	13.6	11.6	11.6	13.6
5.875	18.7	24.8	32.1	39.8	39.8	32.1	24.8	18.7	14.8	13.0	13.0	14.8
4.792	19.4	24.6	30.6	36.3	36.3	30.6	24.6	19.4	16.0	14.2	14.2	16.0
3.708	19.6	23.7	28.2	32.6	32.6	28.2	23.7	19.6	16.7	15.2	15.2	16.7
2.625	19.1	22.2	25.5	28.5	28.5	25.5	22.2	19.1	16.9	15.8	15.8	16.9
1.542	18.2	20.3	22.7	24.8	24.8	22.7	20.3	18.2	16.6	15.8	15.8	16.6
m	1.500	4.500	7.500	10.500	13.500	16.500	19.500	22.500	25.500	28.500	31.500	34.500

Reticolo: 12 x 6 Punti

Em [lx]	Emin [lx]	Emax [lx]	g1	g2
22.5	11.6	42.2	0.518	0.276

Osservatore 1

Luminanza con carreggiata asciutta [cd/m²]

6.958	2.35	2.34	2.30	2.34	2.25	2.11	2.04	1.92	1.87	2.08	2.24	2.38
5.875	2.42	2.37	2.30	2.27	2.14	2.04	1.99	1.88	1.95	2.03	2.15	2.25
4.792	2.05	2.03	1.96	1.91	1.81	1.75	1.72	1.74	1.73	1.73	1.85	1.94
3.708	1.67	1.66	1.61	1.62	1.54	1.51	1.46	1.45	1.46	1.48	1.56	1.63
2.625	1.42	1.41	1.38	1.35	1.26	1.25	1.24	1.26	1.22	1.28	1.36	1.41
1.542	1.21	1.19	1.16	1.13	1.09	1.09	1.05	1.08	1.07	1.12	1.19	1.22
m	1.500	4.500	7.500	10.500	13.500	16.500	19.500	22.500	25.500	28.500	31.500	34.500

Reticolo: 12 x 6 Punti

Luminanza con lampada nuova [cd/m²]

6.958	2.68	2.56	2.46	2.47	2.40	2.30	2.36	2.19	2.33	2.63	2.79	2.93
5.875	2.89	2.80	2.77	2.84	2.79	2.76	2.70	2.45	2.45	2.71	2.89	2.99
4.792	2.95	2.91	2.78	2.68	2.52	2.44	2.36	2.37	2.36	2.36	2.45	2.57
3.708	2.31	2.23	2.11	2.09	2.00	1.97	1.93	1.91	1.89	1.93	2.01	2.10
2.625	1.77	1.77	1.73	1.69	1.58	1.56	1.55	1.57	1.53	1.60	1.69	1.76
1.542	1.46	1.45	1.42	1.38	1.34	1.33	1.29	1.32	1.31	1.39	1.46	1.50
m	1.500	4.500	7.500	10.500	13.500	16.500	19.500	22.500	25.500	28.500	31.500	34.500

Reticolo: 12 x 6 Punti

Osservatore 2

Luminanza con carreggiata asciutta [cd/m²]

6.958	2.34	2.34	2.28	2.29	2.17	1.99	1.94	1.74	1.75	1.94	2.14	2.25
5.875	2.06	2.07	2.01	1.99	1.87	1.74	1.68	1.68	1.70	1.75	1.87	2.01
4.792	1.73	1.76	1.72	1.71	1.62	1.55	1.48	1.46	1.45	1.49	1.61	1.71
3.708	1.49	1.51	1.48	1.47	1.37	1.31	1.28	1.29	1.27	1.29	1.42	1.50
2.625	1.29	1.30	1.28	1.26	1.20	1.17	1.12	1.12	1.12	1.16	1.26	1.31
1.542	1.14	1.14	1.11	1.07	1.03	1.03	0.99	1.01	0.98	1.06	1.12	1.15
m	1.500	4.500	7.500	10.500	13.500	16.500	19.500	22.500	25.500	28.500	31.500	34.500

Reticolo: 12 x 6 Punti

Luminanza con lampada nuova [cd/m²]

6.958	3.01	3.04	2.97	2.97	2.79	2.56	2.52	2.22	2.21	2.48	2.73	2.88
5.875	2.57	2.59	2.52	2.49	2.34	2.18	2.10	2.10	2.12	2.18	2.34	2.51
4.792	2.04	2.10	2.07	2.07	1.96	1.85	1.76	1.73	1.75	1.80	1.95	2.10
3.708	1.69	1.77	1.74	1.75	1.66	1.58	1.52	1.52	1.47	1.54	1.70	1.80
2.625	1.46	1.53	1.52	1.48	1.43	1.38	1.32	1.33	1.31	1.37	1.50	1.56
1.542	1.27	1.33	1.31	1.26	1.25	1.23	1.17	1.19	1.18	1.27	1.34	1.39
m	1.500	4.500	7.500	10.500	13.500	16.500	19.500	22.500	25.500	28.500	31.500	34.500

Reticolo: 12 x 6 Punti

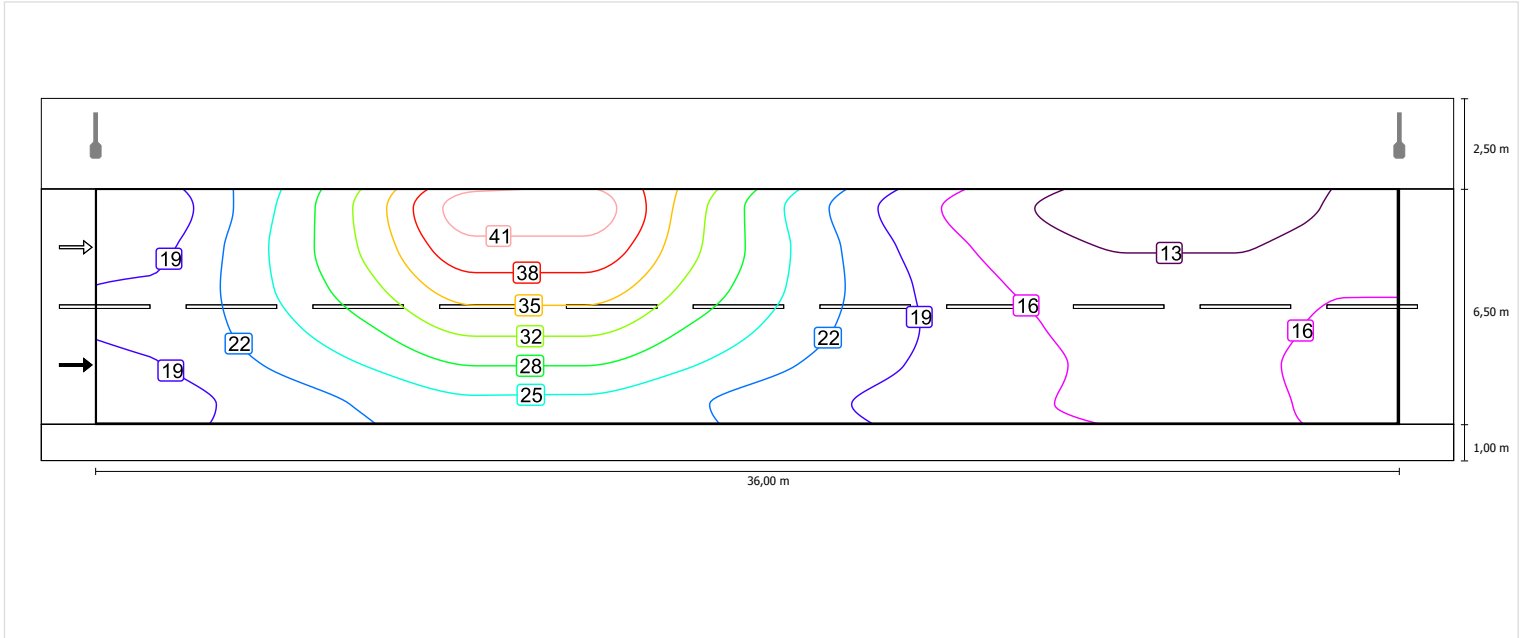
Carreggiata (M2)

Fattore di diminuzione: 0.80

Reticolo: 12 x 6 Punti

Lm [cd/m ²] ≥ 1.50	Uo ≥ 0.40	UI ≥ 0.70	TI [%] ≤ 10	EIR ≥ 0.35
✓ 1.54	✓ 0.62	✓ 0.81	✓ 10	✓ 0.73

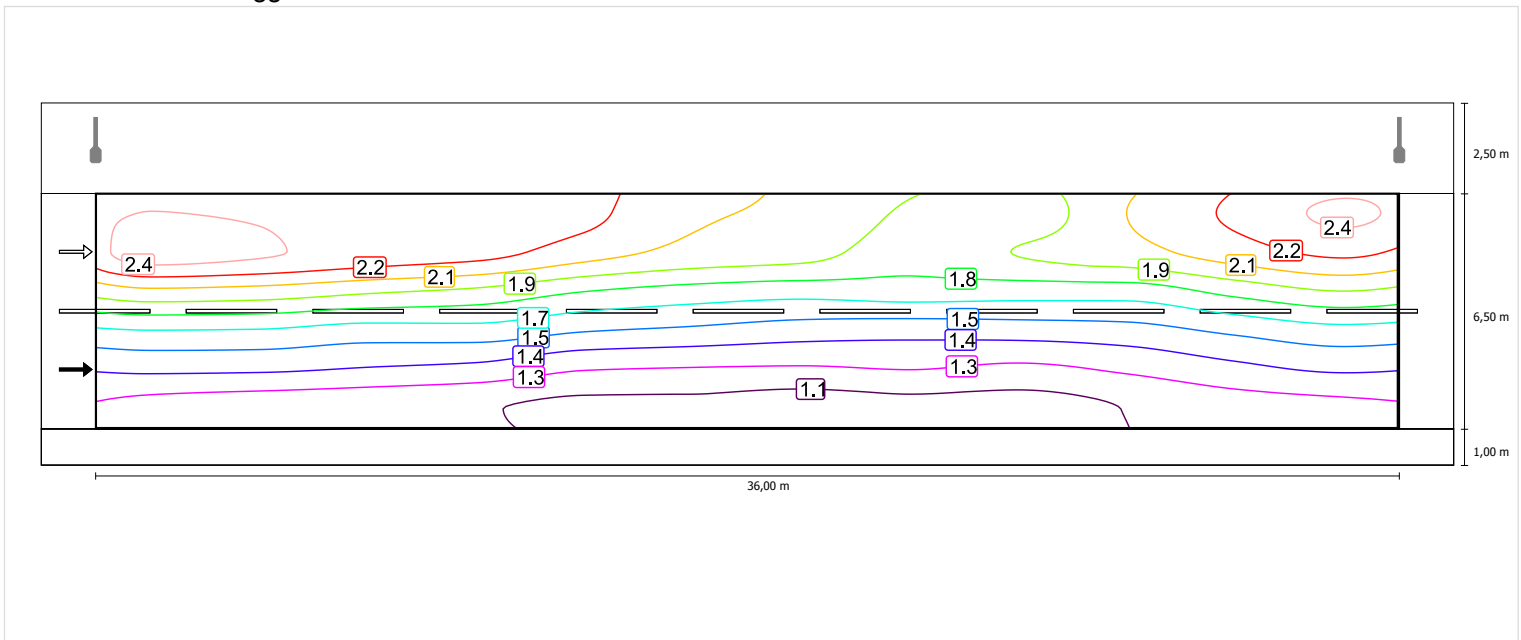
Illuminamento orizzontale



Scala: 1 : 200

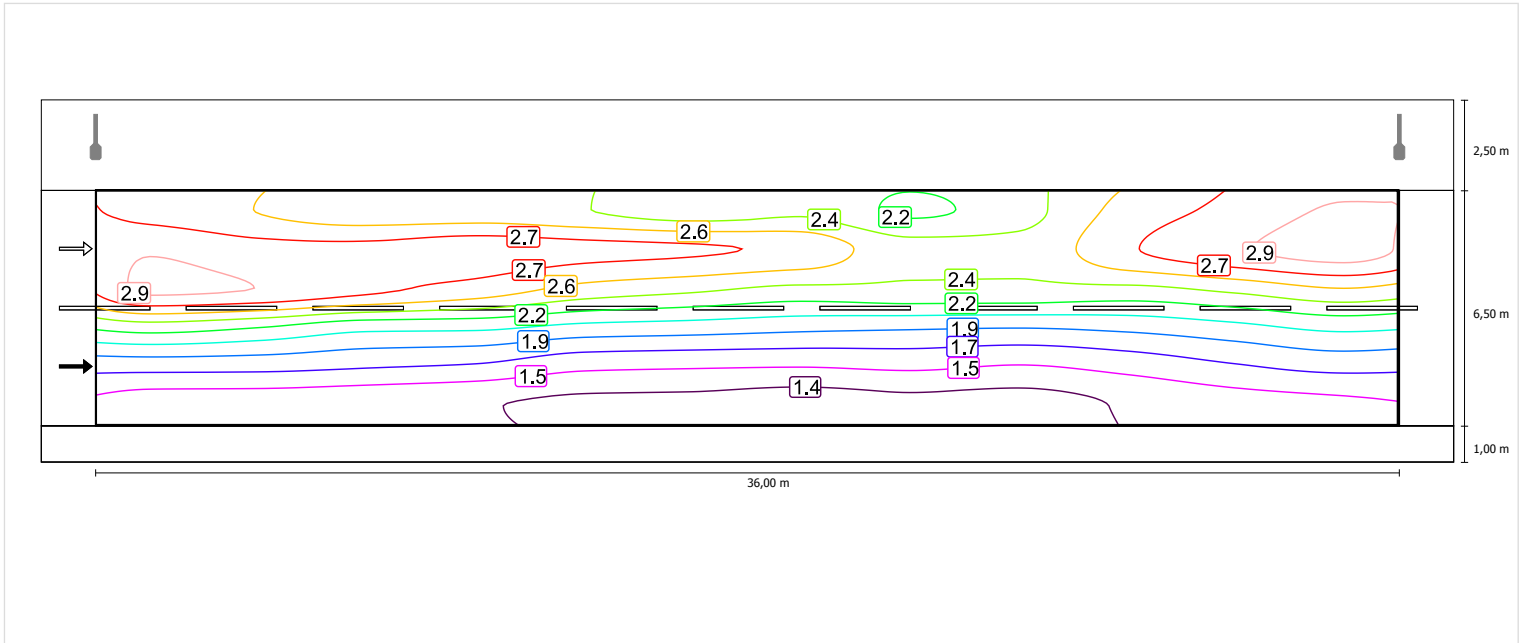
Osservatore 1

Luminanza con carreggiata asciutta



Scala: 1 : 200

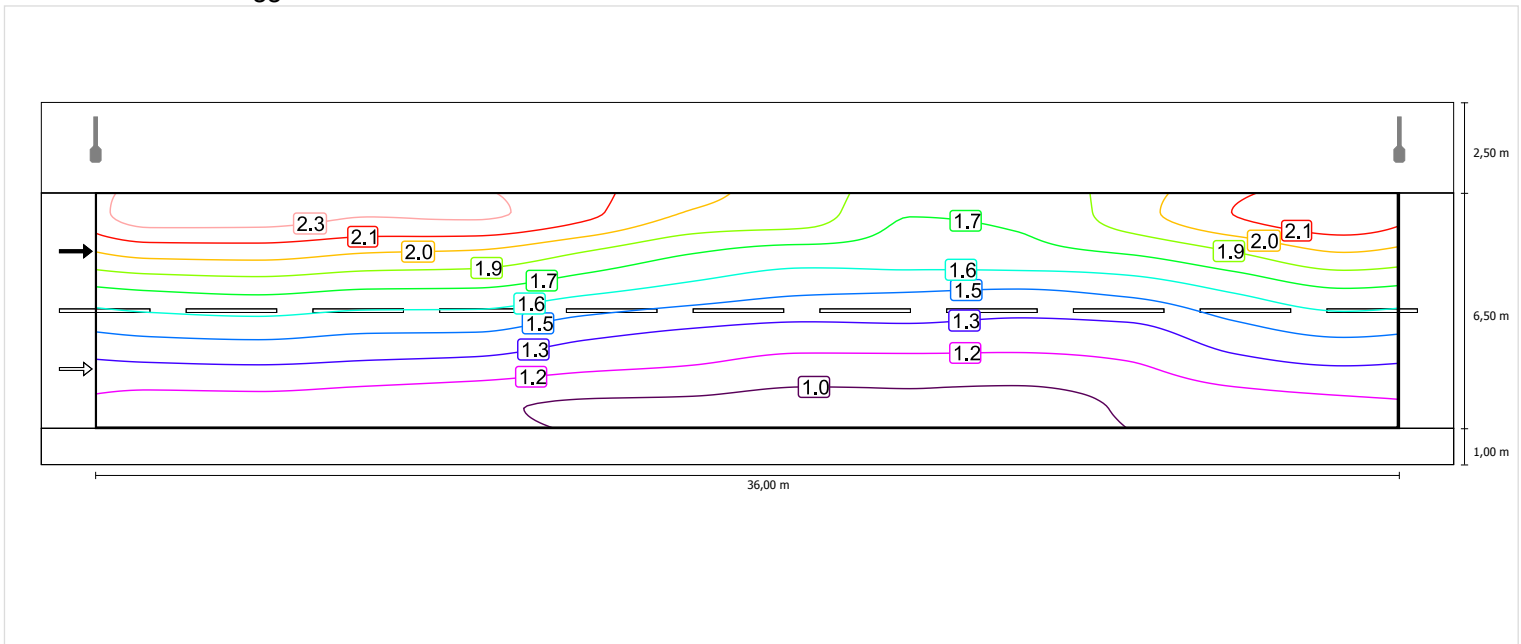
Luminanza con lampada nuova



Scala: 1 : 200

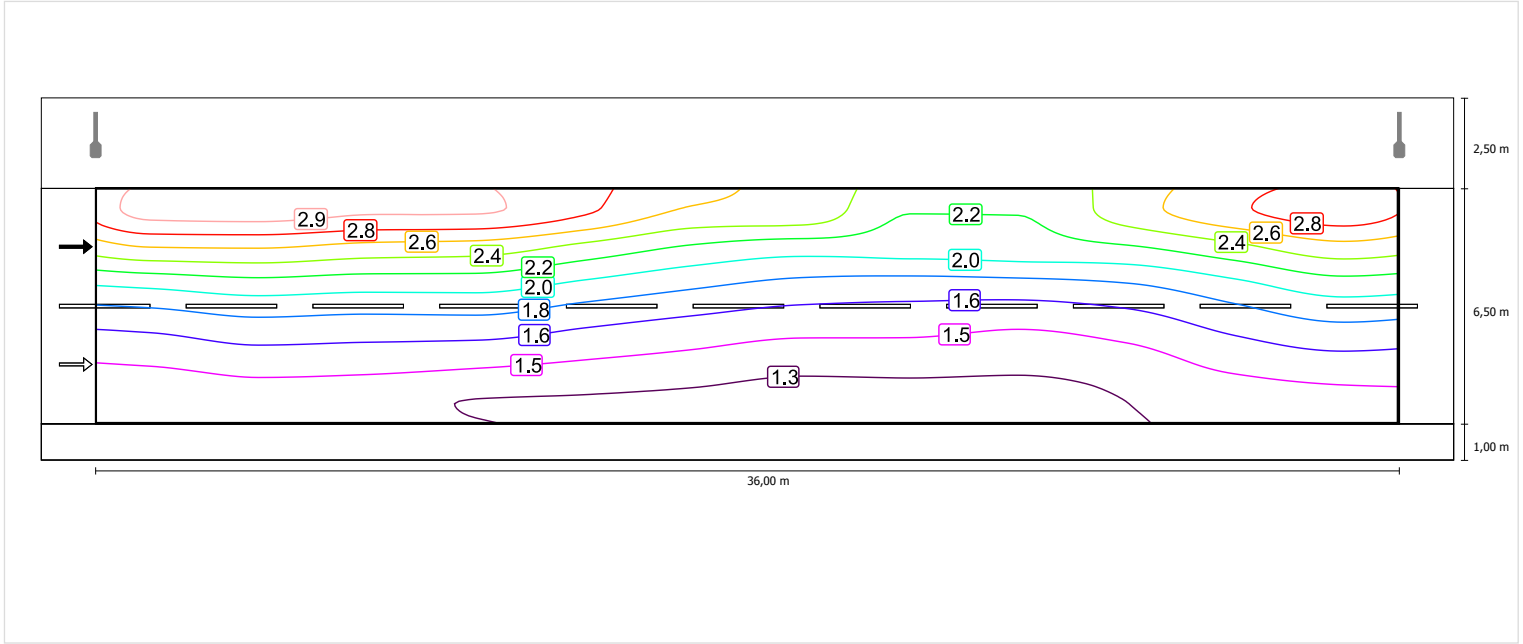
Osservatore 2

Luminanza con carreggiata asciutta



Scala: 1 : 200

Luminanza con lampada nuova



Scala: 1 : 200

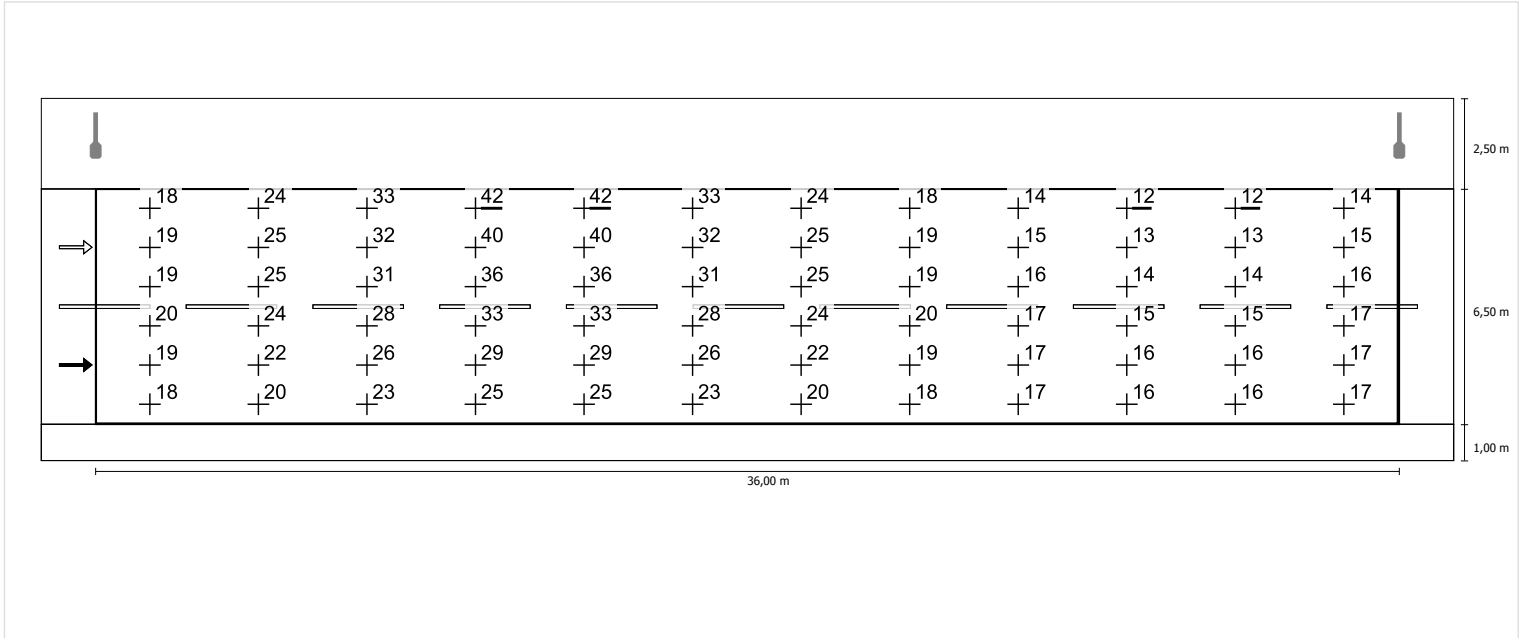
Carreggiata (M2)

Fattore di diminuzione: 0.80

Reticolo: 12 x 6 Punti

Lm [cd/m ²] ≥ 1.50	Uo ≥ 0.40	UI ≥ 0.70	TI [%] ≤ 10	EIR ≥ 0.35
✓ 1.54	✓ 0.62	✓ 0.81	✓ 10	✓ 0.73

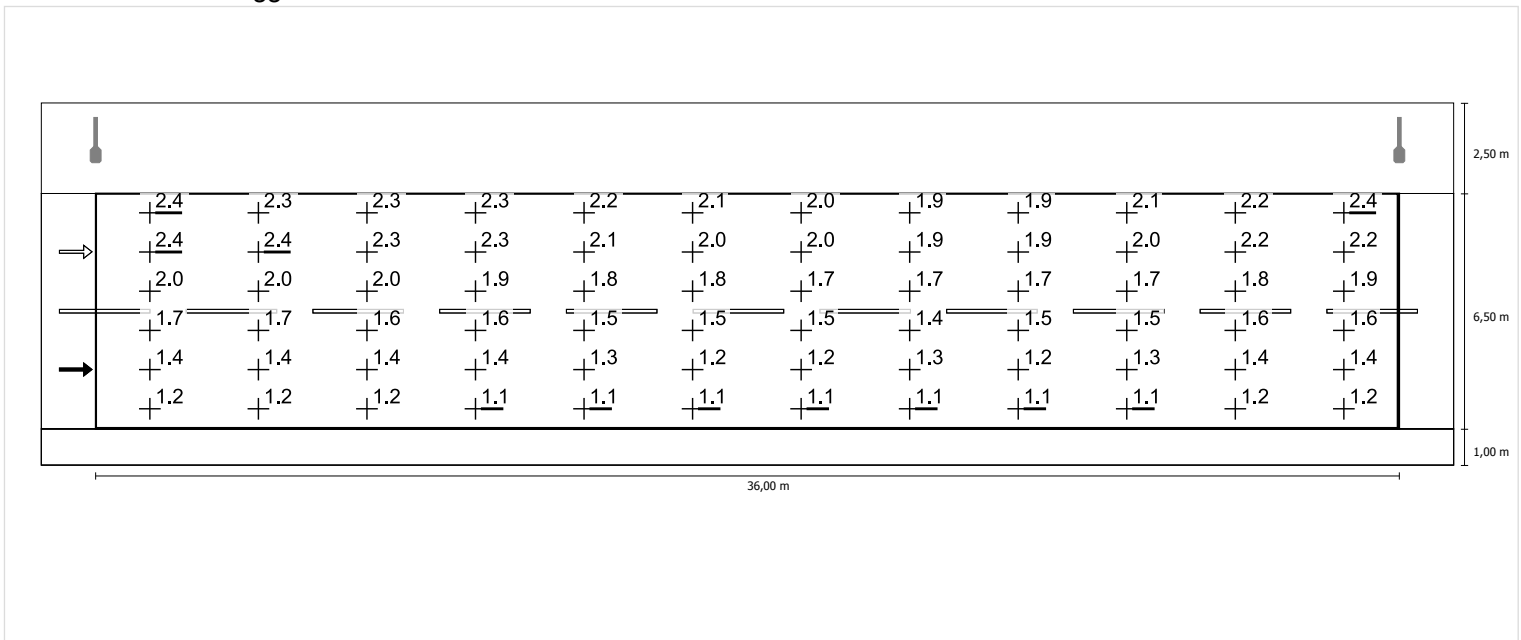
Illuminamento orizzontale



Scala: 1 : 200

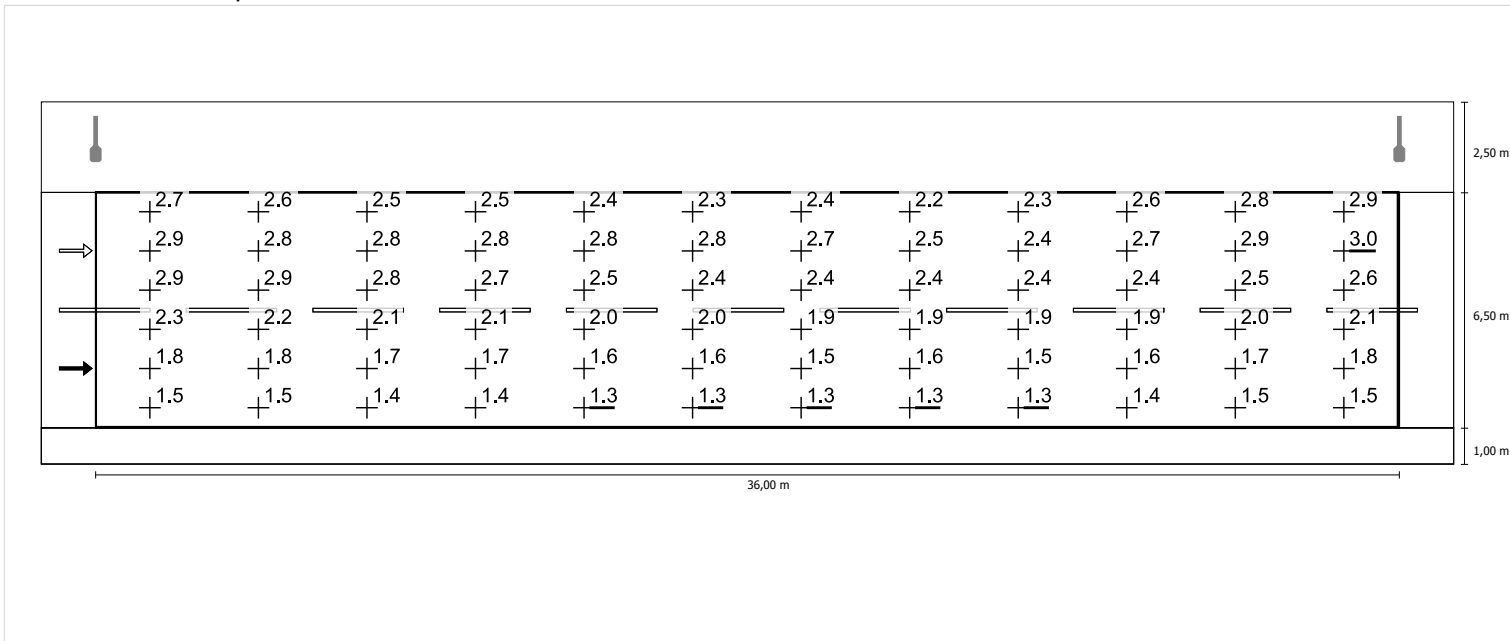
Osservatore 1

Luminanza con carreggiata asciutta



Scala: 1 : 200

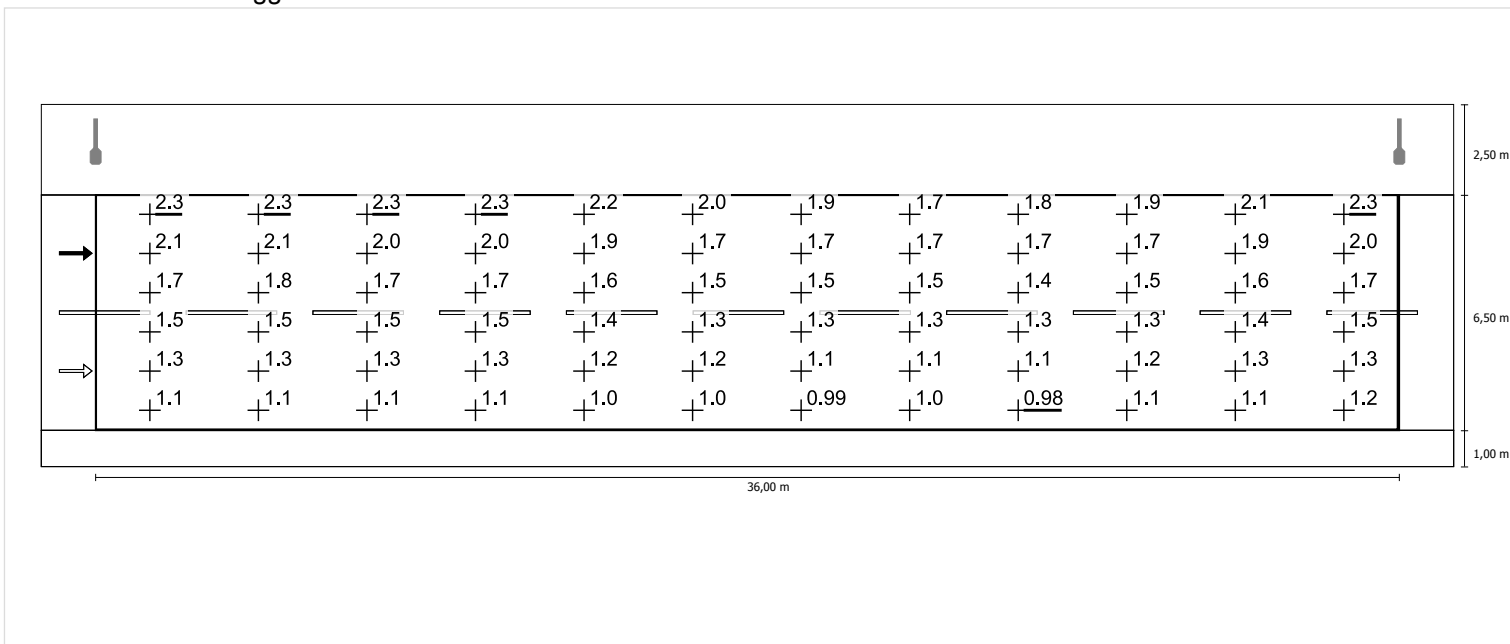
Luminanza con lampada nuova



Scala: 1 : 200

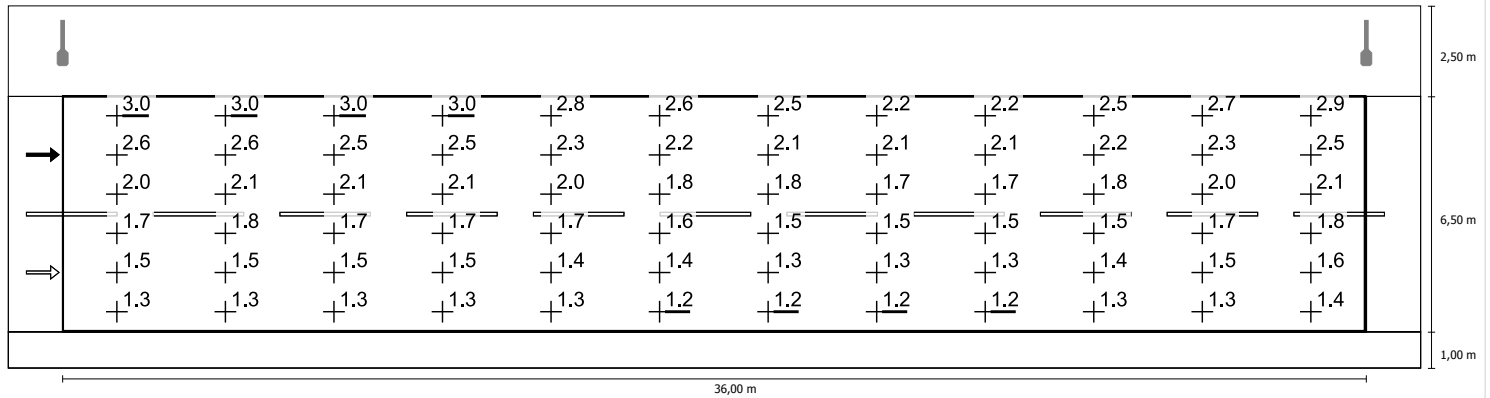
Osservatore 2

Luminanza con carreggiata asciutta



Scala: 1 : 200

Luminanza con lampada nuova



Scala: 1 : 200

AUTOSTRADA A31 VICENZA-VALDASTICO

Verifica illuminazione rotatoria

Descrizione:

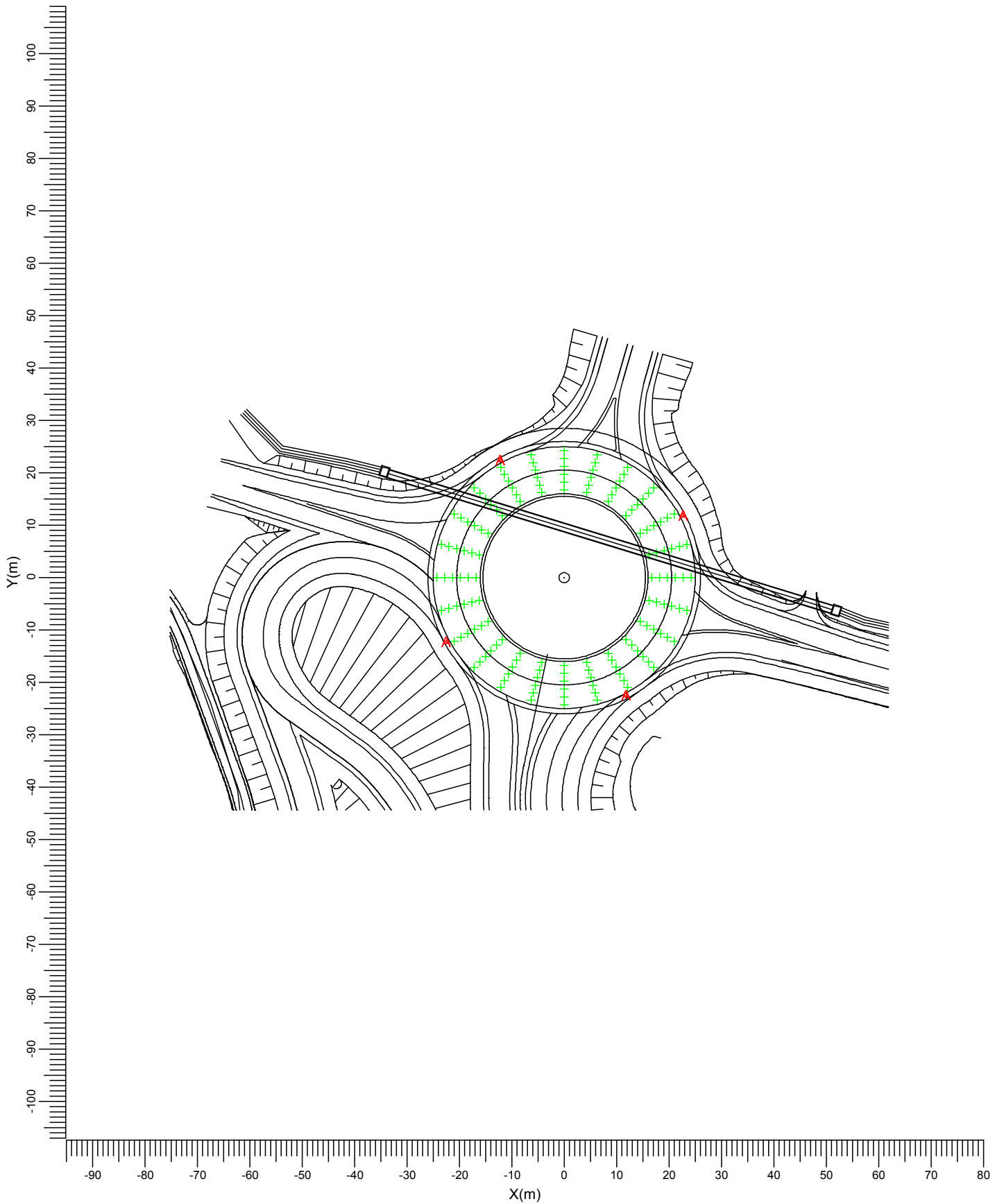
CATEGORIA ILLUMINOTECNICA DI PROGETTO - C2

Indice

1.	Visualizzazioni	3
1.1	Pianta	3
2.	Indice	4
2.1	Apparecchi di progetto	4
2.2	Risultati dei calcoli	4
3.	Risultati dei calcoli	5
3.1	Rotatoria: Tavola grafica	5
4.	Apparecchi	6
4.1	Apparecchi di progetto	6
5.	Dati di installazione	7
5.1	Legende	7
5.2	Posizionamento e orientamento degli apparecchi	7

1. Visualizzazioni

1.1 Pianta



A  BGP625 T25 DW10

Scala
1:1000

2. Indice

2.1 Apparecchi di progetto

Codice	Nr	Tipo di apparecchio	Tipo di lampada	Potenza (W)	Flusso (lm)
A	4	BGP625 T25 DW10	1 * LED220-4S/830	184.0	1 * 22000

Potenza totale installata: 0.74 (kWatt)

2.2 Risultati dei calcoli

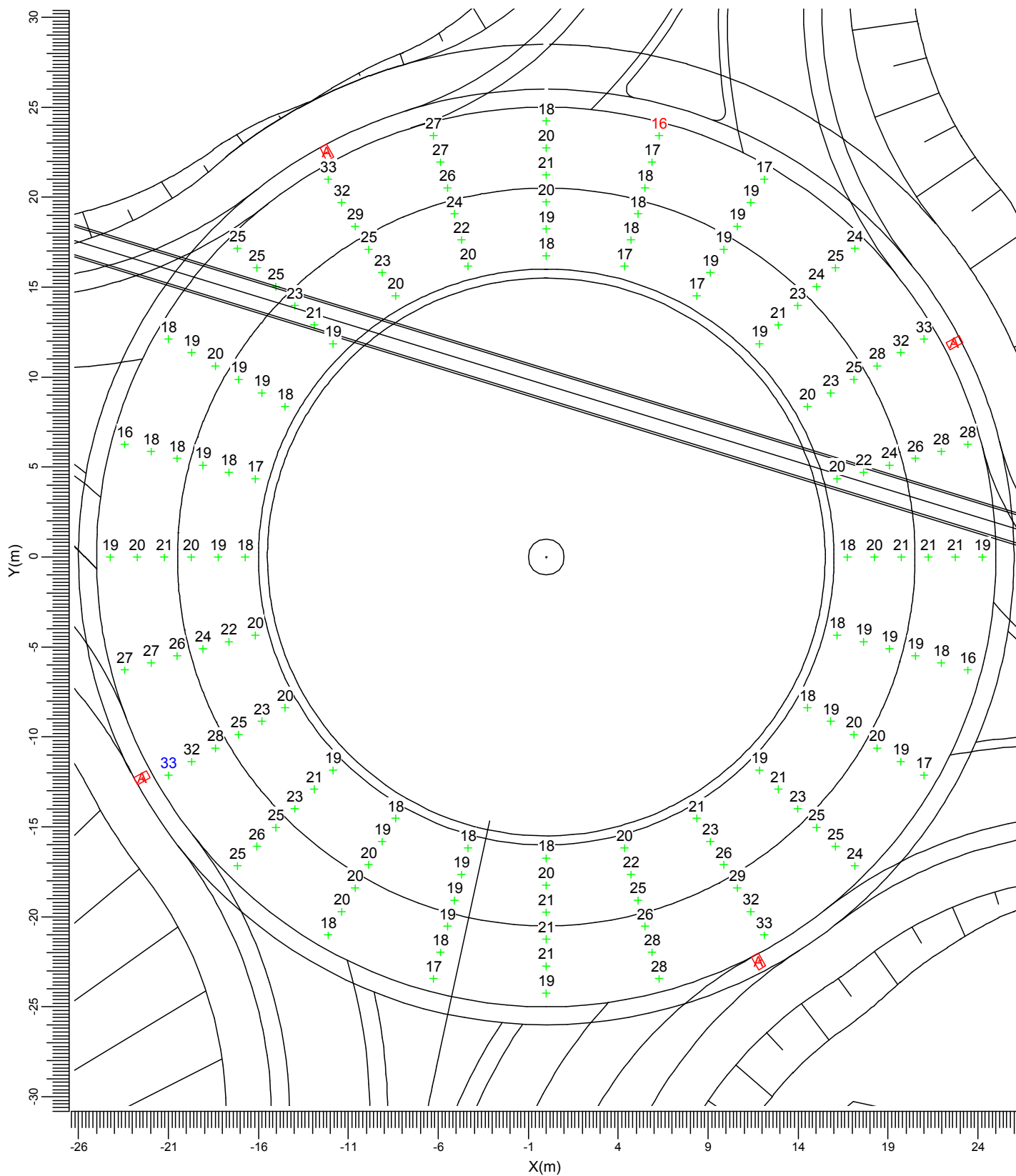
Valori ottenuti:

Calcolo	Tipo di calcolo	Unita'	Med.	Min/Med
Rotatoria	Illuminamento orizzontale	lux	21.8	0.73

3. Risultati dei calcoli

3.1 Rotatoria: Tavola grafica

Reticolo : Rotatoria
 Tipo di calcolo : E oriz. (lux)



A BGP625 T25 DW10

Medio
21.8

Min/Med
0.73

Fatt. Manut.
0.80

Scala
1:300

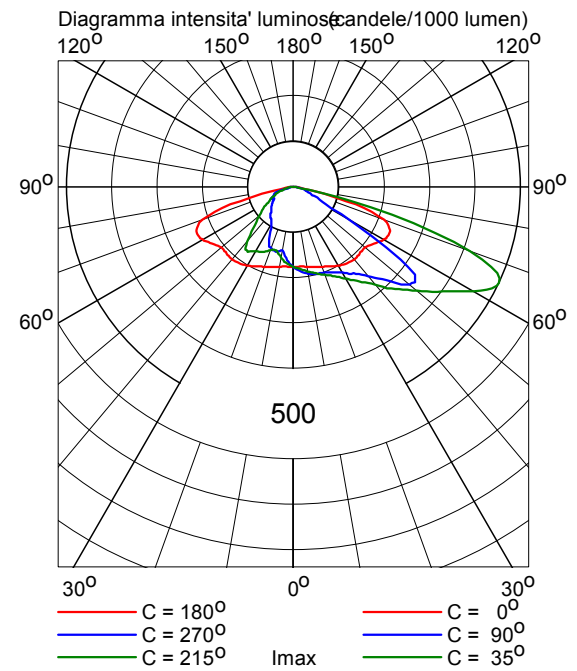
4. Apparecchi

4.1 Apparecchi di progetto

Luma
BGP625 T25 1 xLED220-4S/830 DW10



Rendimento luminoso:
 verso il basso : 0.88
 verso l'alto : 0.00
 totale : 0.88
 Reattore : -
 Flusso di lampada : 22000 lm
 Potenza totale apparecchio : 184.0 W
 Codice di misura : LVE1607063



5. Dati di installazione

5.1 Legende

Apparecchi di progetto:

Codice	Nr	Tipo di apparecchio	Tipo di lampada	Flusso (lm)
A	4	BGP625 T25 DW10	1 * LED220-4S/830	1 * 22000

5.2 Posizionamento e orientamento degli apparecchi

Nr e codice	Posizione			Angoli di puntamento		
	X (m)	Y (m)	Z (m)	Rot.	Tilt90	Tilt0
1 * A	-22.47	-12.28	10.00	28.8	0.0	0.0
1 * A	-12.20	22.49	10.00	-61.7	0.0	0.0
1 * A	11.80	-22.48	10.00	119.3	0.0	0.0
1 * A	22.69	11.91	10.00	-151.4	0.0	0.0

A31 Nord

Autostrada Valdastico
A31 Nord

Indice

A31 Nord

Philips Lighting BGP623 T25 1 xLED100-4S/740 DW10 1xLED100-4S/740	
Scheda tecnica apparecchio (1xLED100-4S/740).....	3
10-Corsia marcia 4m e banchina 4m su viadotto: Alternativa 3	
Risultati della pianificazione.....	6
10-Corsia marcia 4m e banchina 4m su viadotto: Alternativa 3 / Carreggiata (M2)	
Sintesi dei risultati.....	7
Tabella.....	8
Isolinee.....	10
Grafica dei valori.....	13
11-Corsia marcia 4m e banchina 5m: Alternativa 15	
Risultati della pianificazione.....	16
11-Corsia marcia 4m e banchina 5m: Alternativa 15 / Carreggiata (M2)	
Sintesi dei risultati.....	17
Tabella.....	18
Isolinee.....	20
Grafica dei valori.....	23

Philips Lighting BGP623 T25 1 xLED100-4S/740 DW10 1xLED100-4S/740

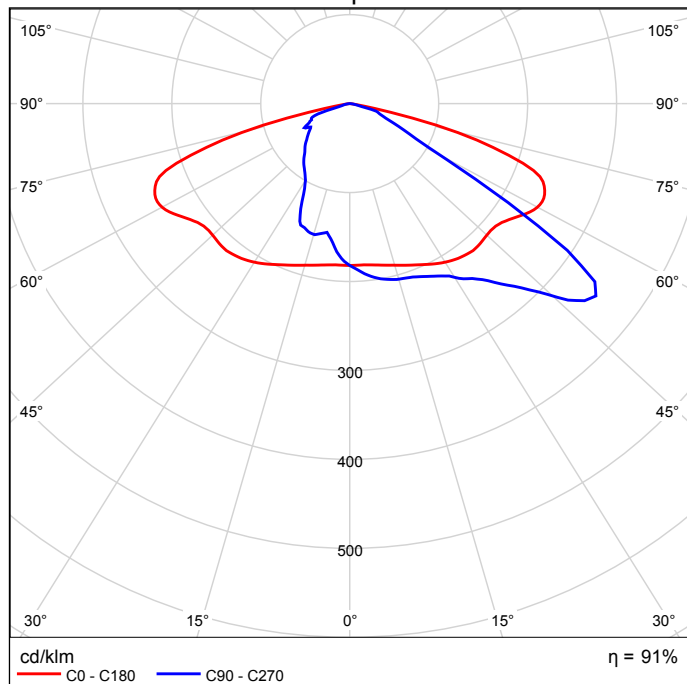
Per un'immagine della lampada consultare il nostro catalogo lampade.

Rendimento: 90.51%
 Flusso luminoso lampadina: 62 lm
 Flusso luminoso lampade: 56 lm
 Potenza: 61.0 W
 Rendimento luminoso: 0.9 lm/W

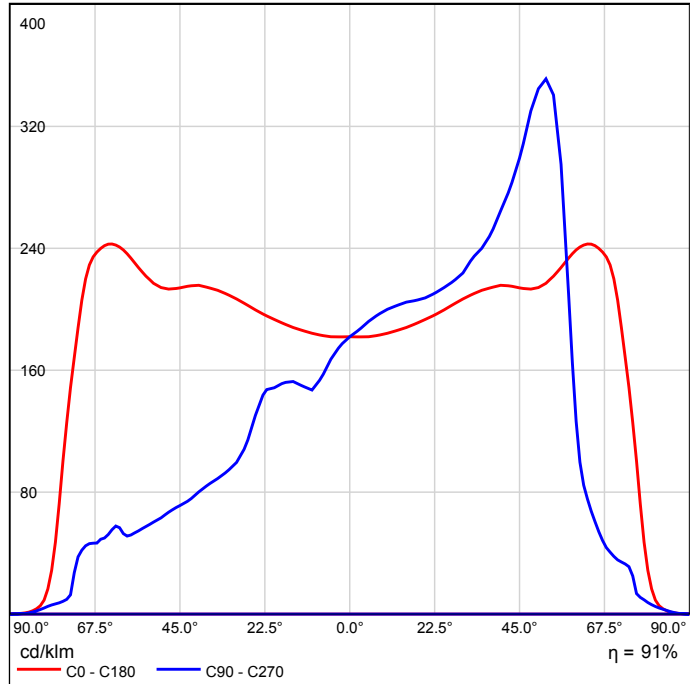
Luma - La visione diventa realtà Luma è un apparecchio per l'illuminazione stradale dalle performance elevate e dal design ricercato, che offre una soluzione "installa e dimentica", con raffreddamento ottimale, adatta a qualsiasi strada o via. Pacchetto lumen, durata e profilo energetico possono essere adattati per creare la soluzione desiderata in termini di consumo energetico e risparmio. Luma può essere programmato per mantenere il flusso delle luci LED ad un livello costante, predefinito nel corso della durata dell'apparecchio, aumentando la corrente operativa nel tempo così da compensare il deprezzamento dei lumen delle luci LED. Luma utilizza il motore LEDGINE-O ad alto rendimento, caratterizzato dalle più recenti performance LED, e un'ampia gamma di ottiche basate sugli standard più recenti. Inoltre, il design totalmente piatto di Luma previene la dispersione luminosa verso l'alto.

Per ottimizzare la distribuzione della luce in modo da adattarla alle diverse geometrie delle strade e/o alle restrizioni in termini di riverbero, l'angolo di inclinazione può essere facilmente regolato durante l'installazione.

Emissione luminosa 1 / CDL polare

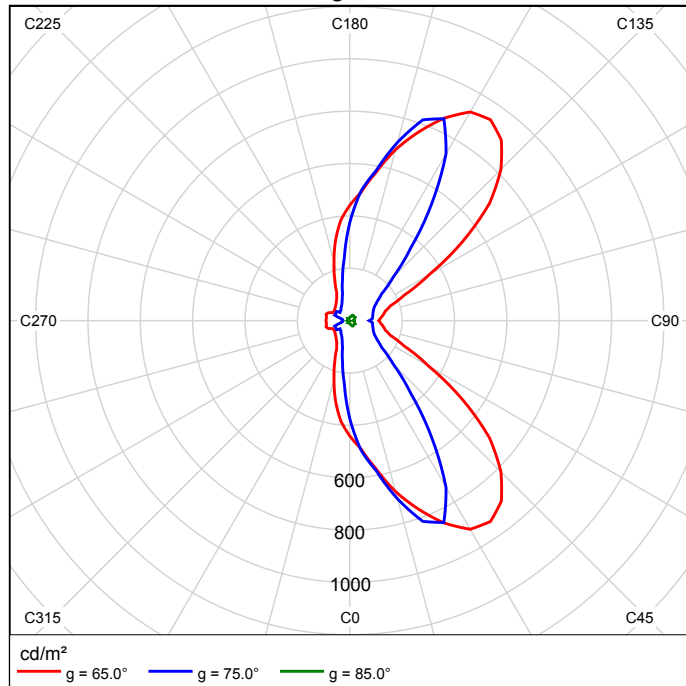


Emissione luminosa 1 / CDL lineare

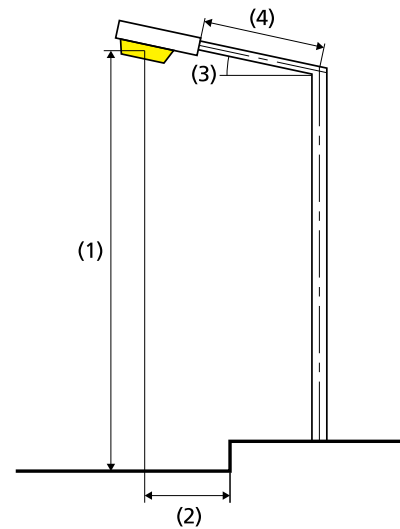
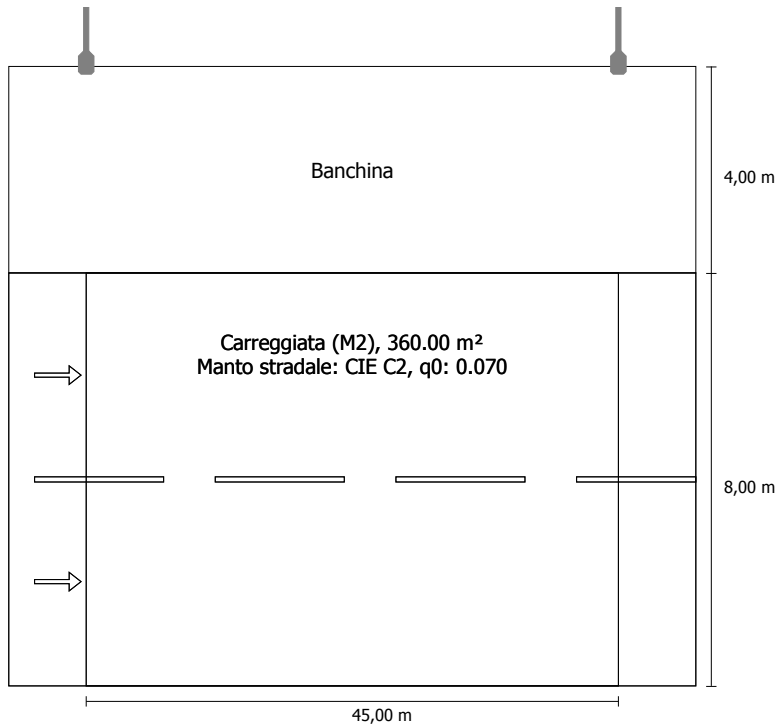


Non è possibile creare un diagramma conico, poiché la diffusione luminosa è asimmetrica.

Emissione luminosa 1 / Diagramma della luminanza



Non è possibile creare un diagramma UGR, poiché la diffusione luminosa è asimmetrica.

10-Corsia marcia 4m e banchina 4m su viadotto in direzione EN
13201:2015Philips Lighting BGP623 T25 1 xLED100-4S/740 DW10
1xLED100-4S/740

Flusso luminoso (lampada):	47972.54 lm
Flusso luminoso (lampadina):	53000.00 lm
Ore di esercizio	
4000 h:	100.0 %, 360.0 W
W/km:	7920.0

Disposizione:	su un lato sopra
Distanza pali:	45.000 m
Inclinazione braccio (3):	0.0°
Lunghezza braccio (4):	2.000 m
Altezza fuochi (1):	12.000 m
Sporgenza punto luce (2):	-4.100 m

ULR:	0.00
ULOR:	0.00
Valori massimi dell'intensità luminosa	
per 70°:	437 cd/klm
per 80°:	61.9 cd/klm
per 90°:	0.00 cd/klm
Classe intensità luminose:	G*4

Per tutte le direzioni che, per le lampade installate e utilizzabili, formano l'angolo indicato con le verticali inferiori.

La disposizione rispetta la classe degli indici di abbagliamento D.5

Risultati per i campi di valutazione

Fattore di diminuzione: 0.67

Carreggiata (M2)

Lm [cd/m²] ≥ 1.50	Uo ≥ 0.40	UI ≥ 0.70	TI [%] ≤ 10	EIR ≥ 0.35
✓ 1.50	✓ 0.65	✓ 0.80	✓ 10	✓ 0.82

Risultati per gli indicatori dell'efficienza energetica

Indice della densità di potenza (Dp)	0.037 W/lxm²
Densità di consumo energetico	
Disposizione: BGP623 T25 1 xLED100-4S/740 DW10 (1440.0 kWh)	4.0 kWh/m² p.a.

Carreggiata (M2)

Fattore di diminuzione: 0.67

Reticolo: 15 x 6 Punti

Lm [cd/m ²] ≥ 1.50	Uo ≥ 0.40	UI ≥ 0.70	TI [%] ≤ 10	EIR ≥ 0.35
✓ 1.50	✓ 0.65	✓ 0.80	✓ 10	✓ 0.82

Osservatori corrispondenti (2):

Osservatore	Posizione [m]	Lm [cd/m ²] ≥ 1.50	Uo ≥ 0.40	UI ≥ 0.70	TI [%] ≤ 10
Osservatore 1	(-60.000, 2.000, 1.500)	1.65	0.65	0.81	7
Osservatore 2	(-60.000, 6.000, 1.500)	1.50	0.68	0.80	10

Carreggiata (M2)

Illuminamento orizzontale [lx]

7.333	20.3	17.5	16.6	17.5	20.3	24.9	30.9	36.3	40.5	42.5	42.5	40.5	36.3	30.9	24.9
6.000	21.3	18.6	17.6	18.6	21.3	25.3	30.5	34.8	37.8	39.2	39.2	37.8	34.8	30.5	25.3
4.667	21.7	19.3	18.4	19.3	21.7	25.2	29.3	33.3	35.5	36.2	36.2	35.5	33.3	29.3	25.2
3.333	21.6	19.7	18.8	19.7	21.6	24.5	27.8	30.9	32.9	33.0	33.0	32.9	30.9	27.8	24.5
2.000	21.1	19.6	19.0	19.6	21.1	23.4	26.1	28.5	30.5	30.5	30.5	30.5	28.5	26.1	23.4
0.667	20.3	19.4	18.9	19.4	20.3	22.2	24.4	26.3	28.6	28.3	28.3	28.6	26.3	24.4	22.2
m	1.500	4.500	7.500	10.500	13.500	16.500	19.500	22.500	25.500	28.500	31.500	34.500	37.500	40.500	43.500

Reticolo: 15 x 6 Punti

Em [lx]	Emin [lx]	Emax [lx]	g1	g2
27.0	16.6	42.5	0.614	0.390

Osservatore 1

Luminanza con carreggiata asciutta [cd/m²]

7.333	2.30	2.36	2.40	2.47	2.54	2.53	2.46	2.38	2.18	2.09	2.03	2.08	2.10	2.12	2.11
6.000	1.97	1.93	1.99	2.11	2.18	2.18	2.12	2.06	1.90	1.81	1.76	1.81	1.84	1.84	1.80
4.667	1.61	1.61	1.63	1.81	1.86	1.88	1.86	1.82	1.72	1.62	1.55	1.58	1.59	1.56	1.56
3.333	1.34	1.39	1.40	1.57	1.61	1.65	1.64	1.61	1.53	1.41	1.34	1.40	1.40	1.37	1.34
2.000	1.18	1.24	1.30	1.39	1.42	1.45	1.43	1.42	1.37	1.29	1.25	1.27	1.23	1.19	1.21
0.667	1.08	1.14	1.19	1.24	1.25	1.27	1.28	1.27	1.24	1.17	1.15	1.17	1.14	1.08	1.08
m	1.500	4.500	7.500	10.500	13.500	16.500	19.500	22.500	25.500	28.500	31.500	34.500	37.500	40.500	43.500

Reticolo: 15 x 6 Punti

Luminanza con lampada nuova [cd/m²]

7.333	3.92	4.08	4.27	4.31	4.19	4.06	3.85	3.67	3.42	3.31	3.24	3.34	3.42	3.40	3.30
6.000	3.62	3.61	3.51	3.57	3.56	3.48	3.33	3.24	2.99	2.88	2.78	2.82	2.89	2.90	2.86
4.667	2.77	2.75	2.70	2.91	2.93	2.92	2.85	2.77	2.61	2.47	2.39	2.44	2.47	2.38	2.39
3.333	2.11	2.16	2.17	2.41	2.45	2.50	2.48	2.43	2.31	2.13	2.02	2.10	2.11	2.06	2.04
2.000	1.76	1.85	1.94	2.08	2.13	2.17	2.14	2.12	2.05	1.92	1.86	1.90	1.84	1.77	1.80
0.667	1.58	1.68	1.74	1.82	1.84	1.87	1.90	1.89	1.83	1.74	1.71	1.75	1.69	1.60	1.61
m	1.500	4.500	7.500	10.500	13.500	16.500	19.500	22.500	25.500	28.500	31.500	34.500	37.500	40.500	43.500

Reticolo: 15 x 6 Punti

Osservatore 2

Luminanza con carreggiata asciutta [cd/m²]

7.333	1.88	1.87	1.95	2.12	2.21	2.27	2.26	2.20	1.99	1.89	1.82	1.85	1.85	1.88	1.85
6.000	1.57	1.58	1.62	1.83	1.91	1.97	1.97	1.93	1.79	1.70	1.62	1.64	1.63	1.60	1.59
4.667	1.34	1.37	1.41	1.60	1.67	1.74	1.77	1.73	1.63	1.50	1.43	1.46	1.48	1.45	1.41
3.333	1.19	1.24	1.29	1.43	1.49	1.55	1.57	1.55	1.48	1.35	1.30	1.34	1.31	1.28	1.27
2.000	1.10	1.15	1.20	1.29	1.33	1.37	1.38	1.37	1.33	1.24	1.21	1.23	1.20	1.14	1.14
0.667	1.03	1.08	1.12	1.15	1.19	1.20	1.24	1.23	1.20	1.15	1.13	1.15	1.10	1.05	1.06
m	1.500	4.500	7.500	10.500	13.500	16.500	19.500	22.500	25.500	28.500	31.500	34.500	37.500	40.500	43.500

Reticolo: 15 x 6 Punti

Luminanza con lampada nuova [cd/m²]

7.333	3.05	3.03	3.07	3.30	3.42	3.48	3.44	3.34	3.03	2.87	2.74	2.80	2.81	2.86	2.82
6.000	2.34	2.36	2.42	2.73	2.86	2.94	2.94	2.87	2.67	2.53	2.41	2.44	2.43	2.39	2.37
4.667	1.92	1.96	2.04	2.32	2.44	2.55	2.61	2.55	2.40	2.23	2.13	2.17	2.19	2.13	2.08
3.333	1.70	1.77	1.84	2.05	2.16	2.26	2.30	2.28	2.18	1.98	1.91	1.98	1.94	1.89	1.87
2.000	1.58	1.64	1.69	1.82	1.91	1.98	2.03	2.01	1.95	1.82	1.78	1.82	1.76	1.68	1.69
0.667	1.49	1.55	1.59	1.66	1.70	1.75	1.82	1.80	1.75	1.69	1.66	1.69	1.63	1.56	1.56
m	1.500	4.500	7.500	10.500	13.500	16.500	19.500	22.500	25.500	28.500	31.500	34.500	37.500	40.500	43.500

Reticolo: 15 x 6 Punti

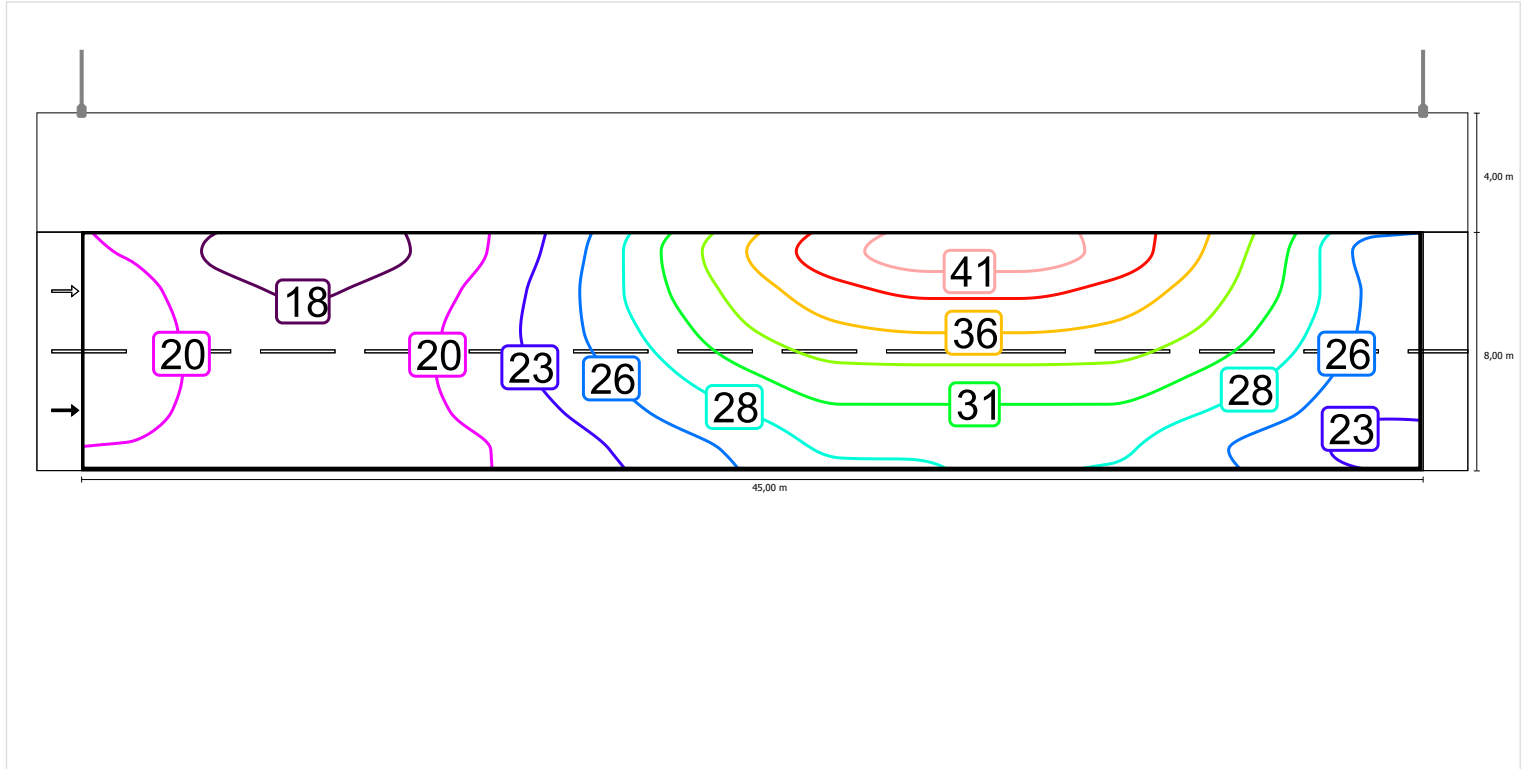
Carreggiata (M2)

Fattore di diminuzione: 0.67

Reticolo: 15 x 6 Punti

Lm [cd/m ²] ≥ 1.50	Uo ≥ 0.40	UI ≥ 0.70	TI [%] ≤ 10	EIR ≥ 0.35
✓ 1.50	✓ 0.65	✓ 0.80	✓ 10	✓ 0.82

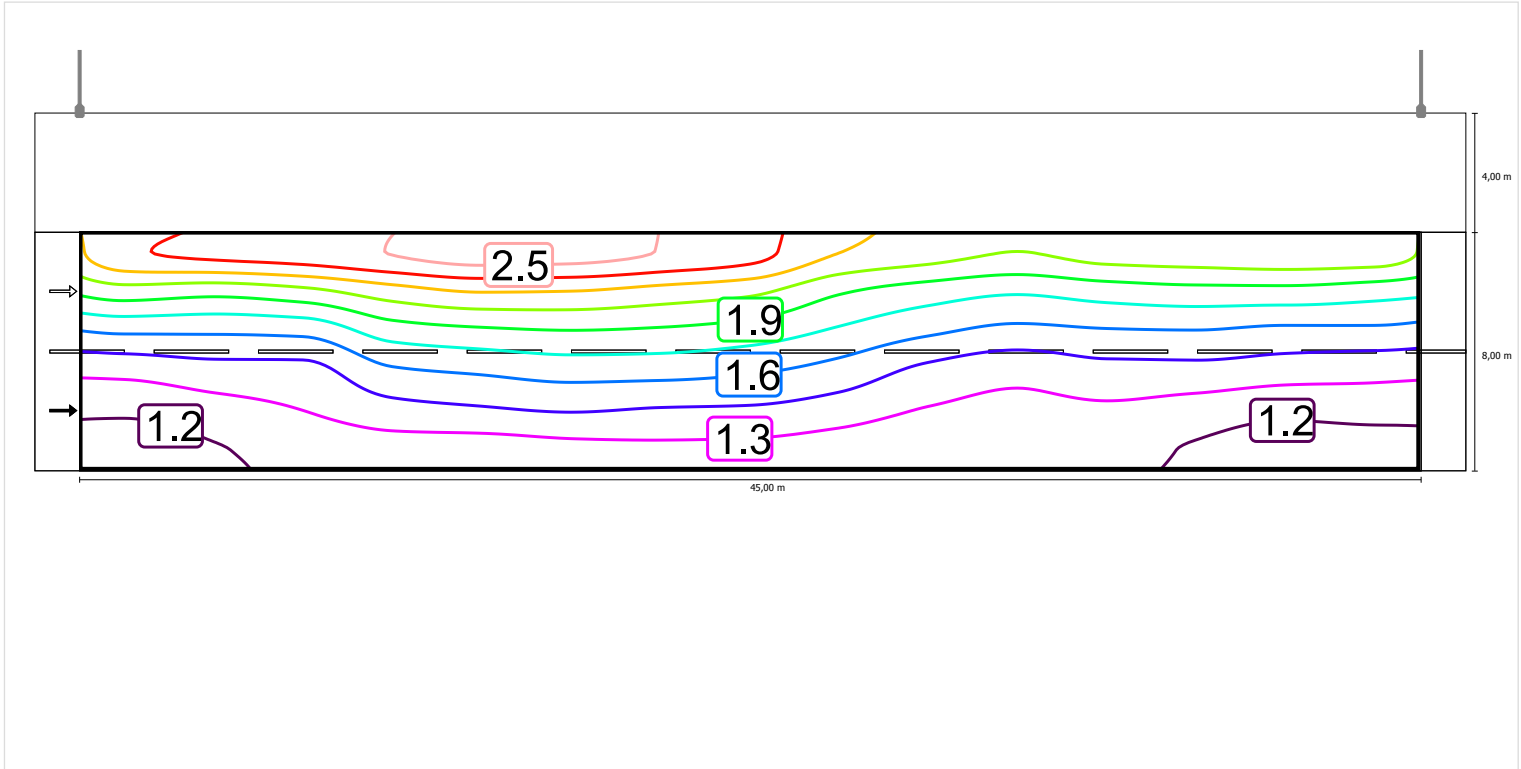
Illuminamento orizzontale



Scala: 1 : 500

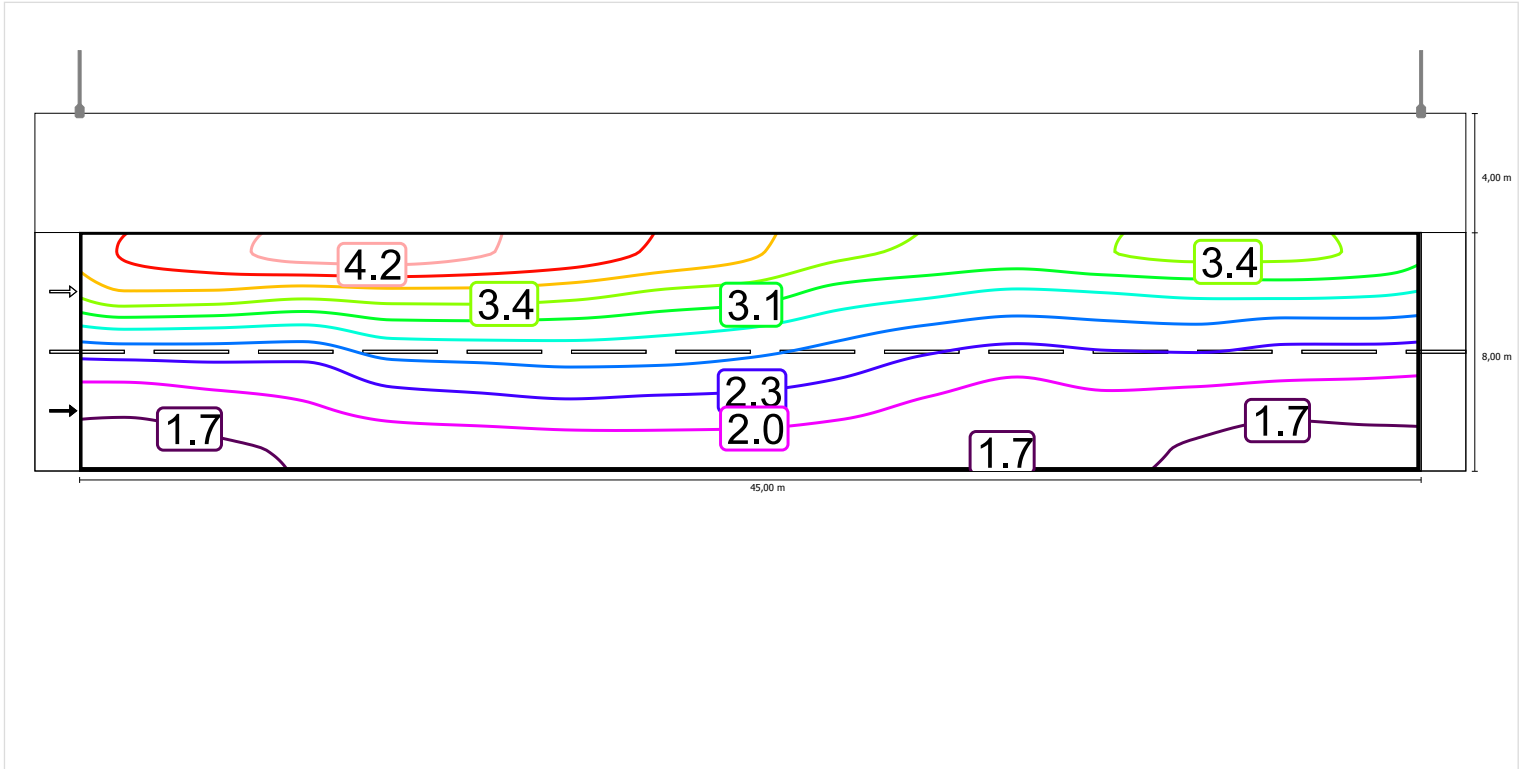
Osservatore 1

Luminanza con carreggiata asciutta



Scala: 1 : 500

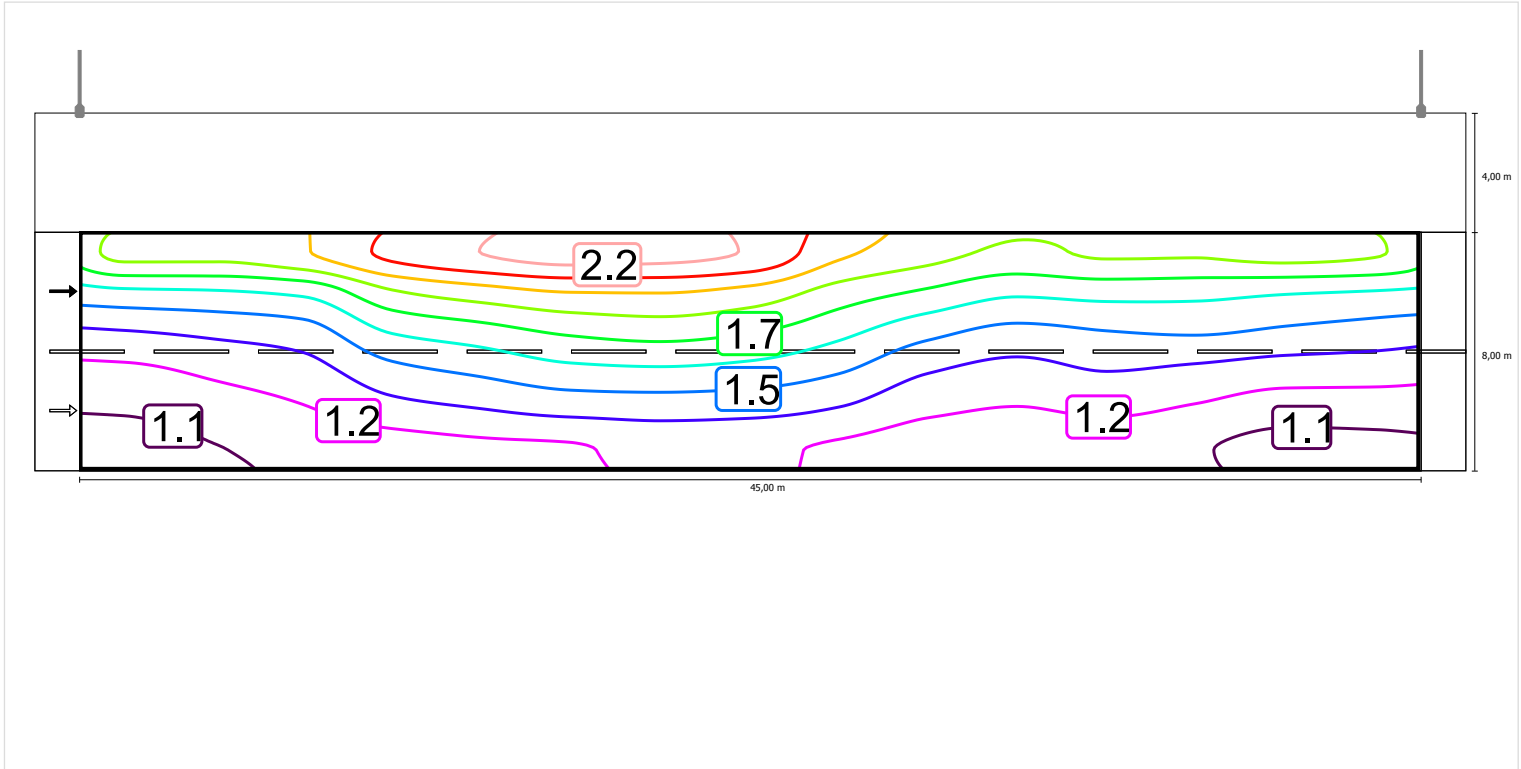
Luminanza con lampada nuova



Scala: 1 : 500

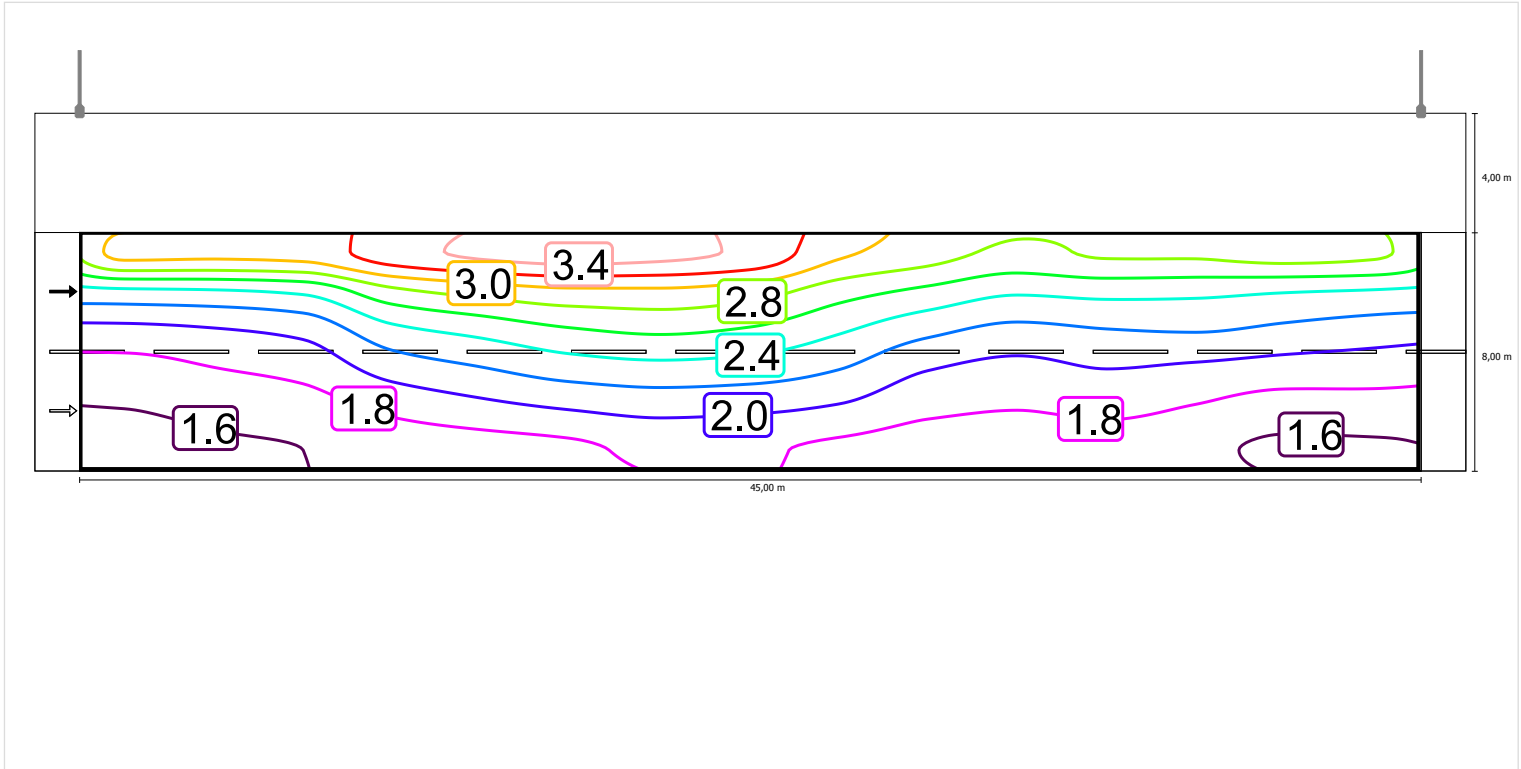
Osservatore 2

Luminanza con carreggiata asciutta



Scala: 1 : 500

Luminanza con lampada nuova



Scala: 1 : 500

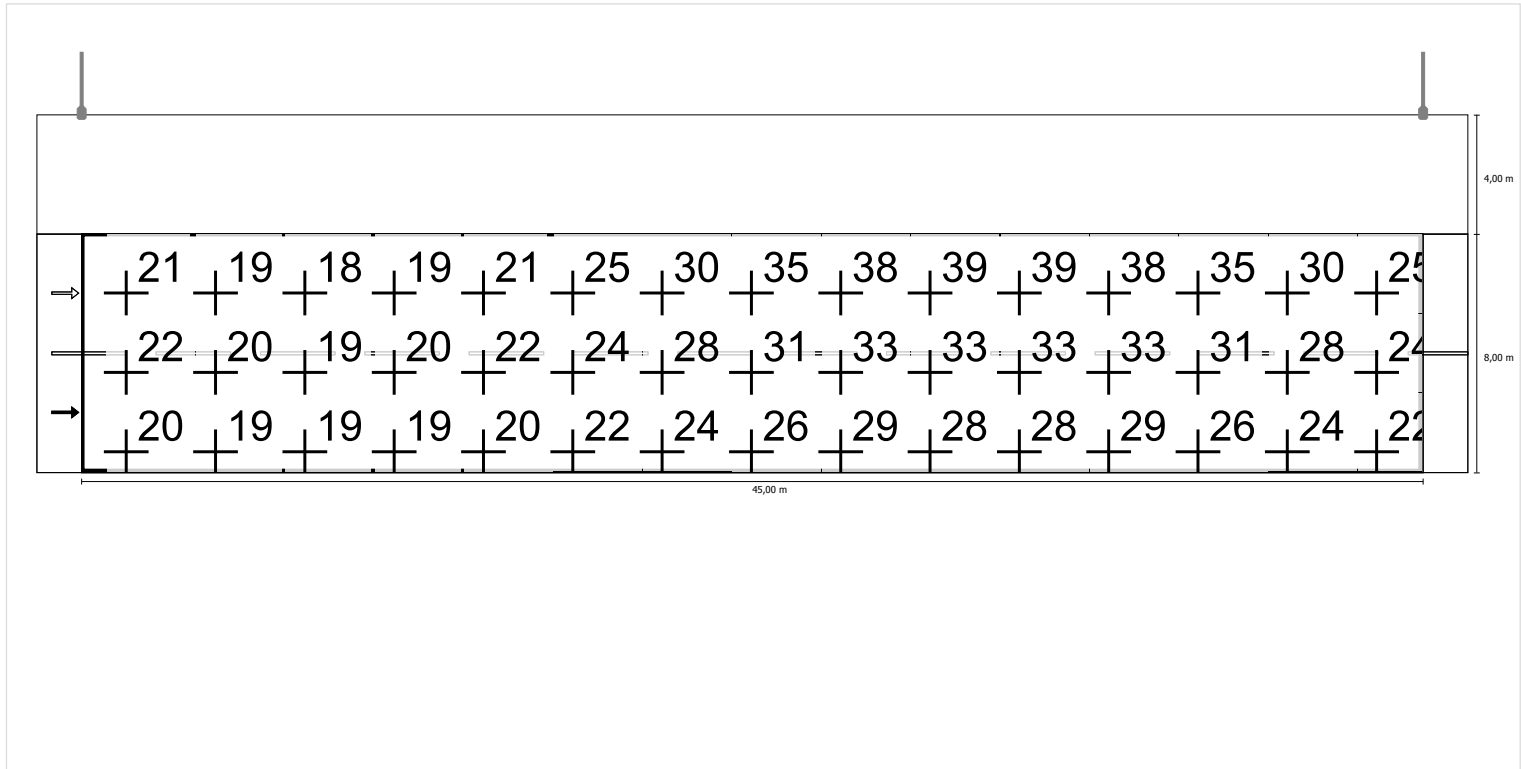
Carreggiata (M2)

Fattore di diminuzione: 0.67

Reticolo: 15 x 6 Punti

Lm [cd/m ²] ≥ 1.50	Uo ≥ 0.40	UI ≥ 0.70	TI [%] ≤ 10	EIR ≥ 0.35
✓ 1.50	✓ 0.65	✓ 0.80	✓ 10	✓ 0.82

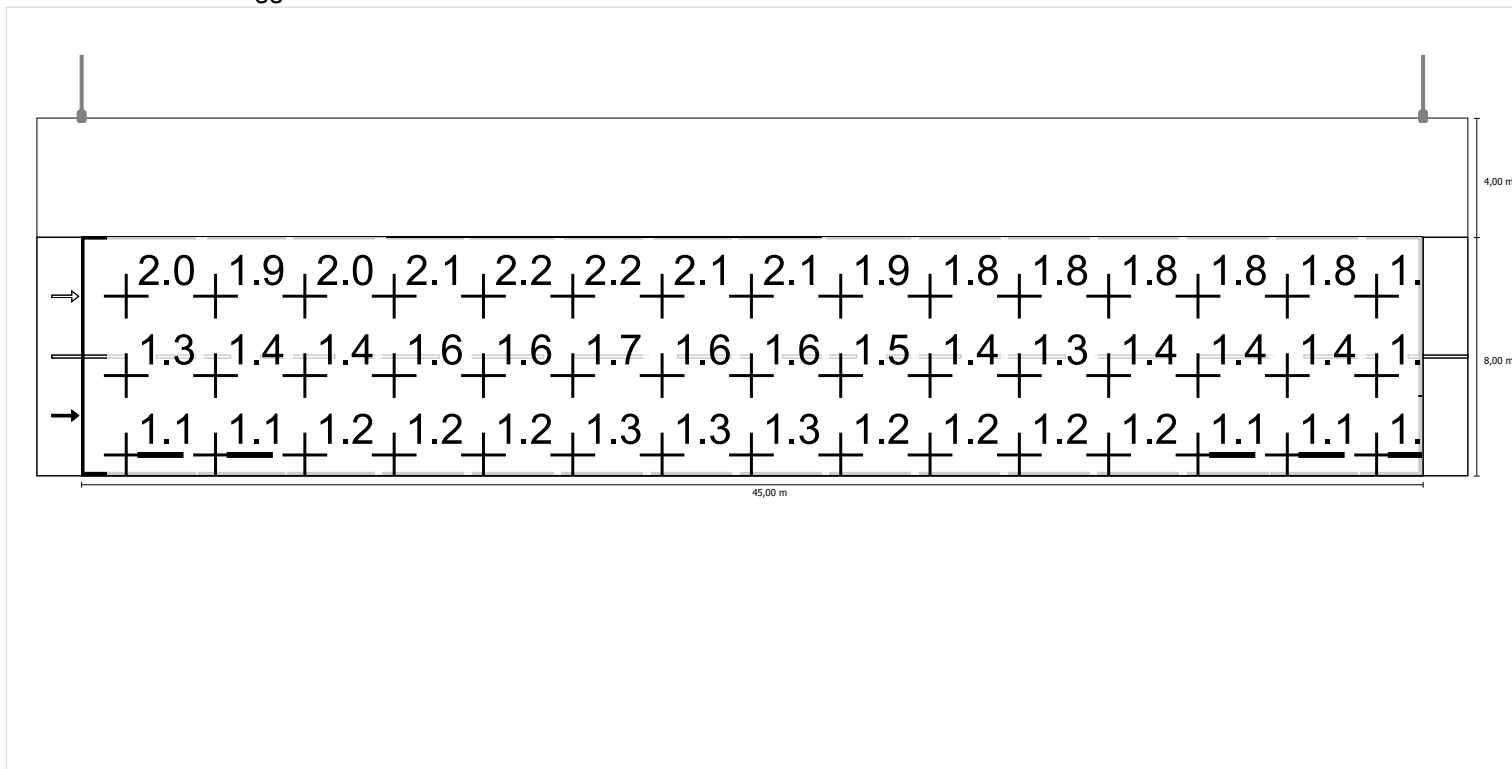
Illuminamento orizzontale



Scala: 1 : 500

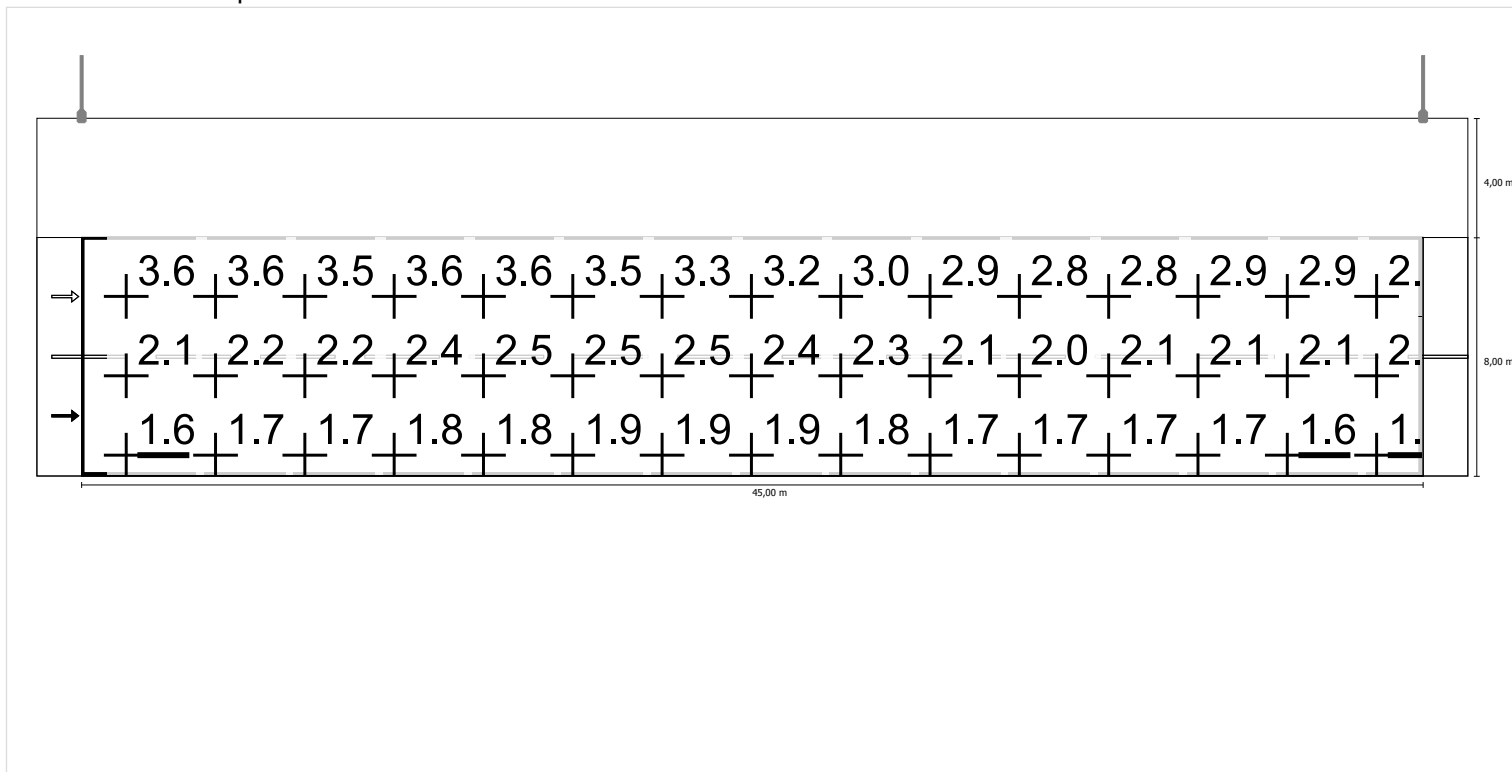
Osservatore 1

Luminanza con carreggiata asciutta



Scala: 1 : 500

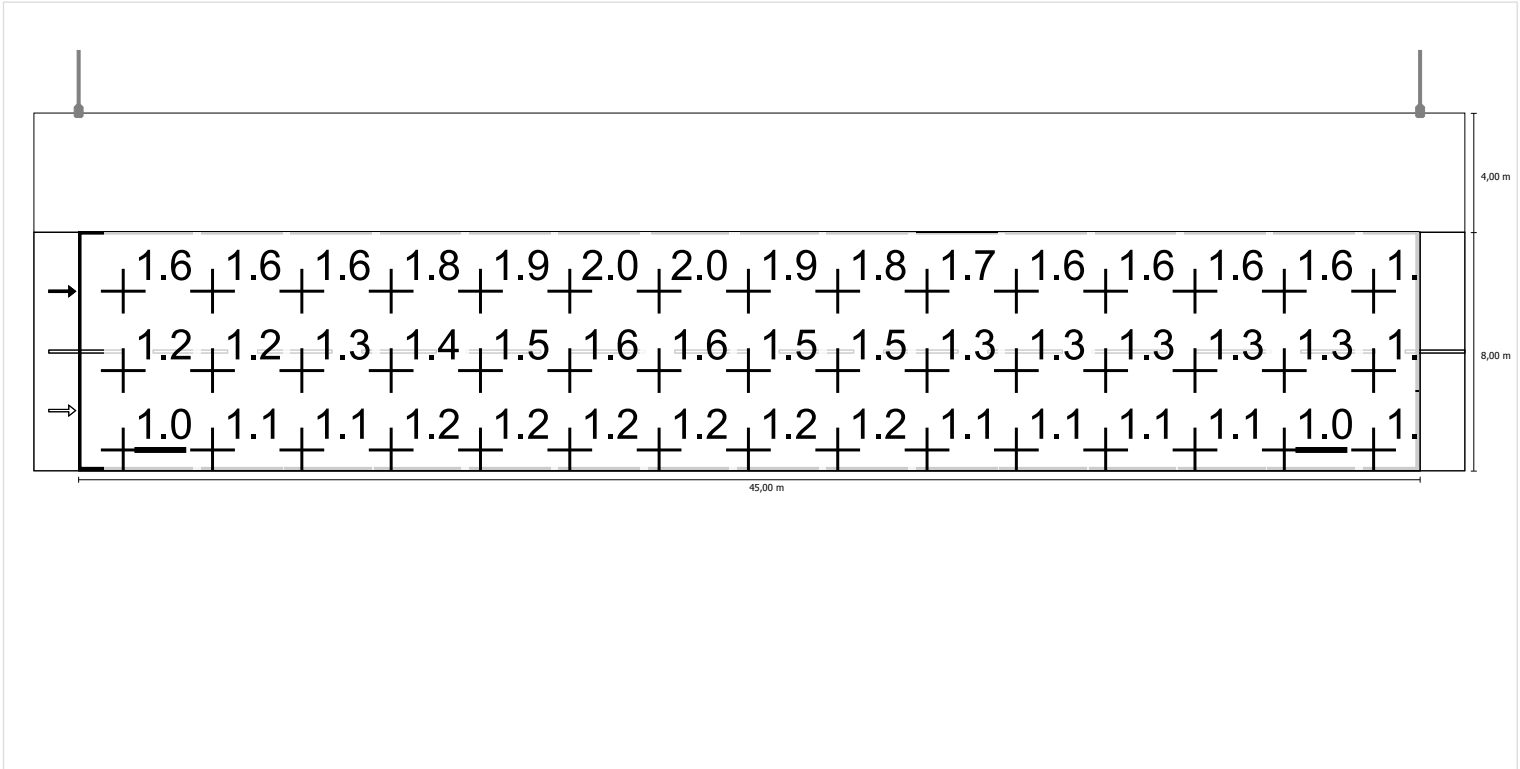
Luminanza con lampada nuova



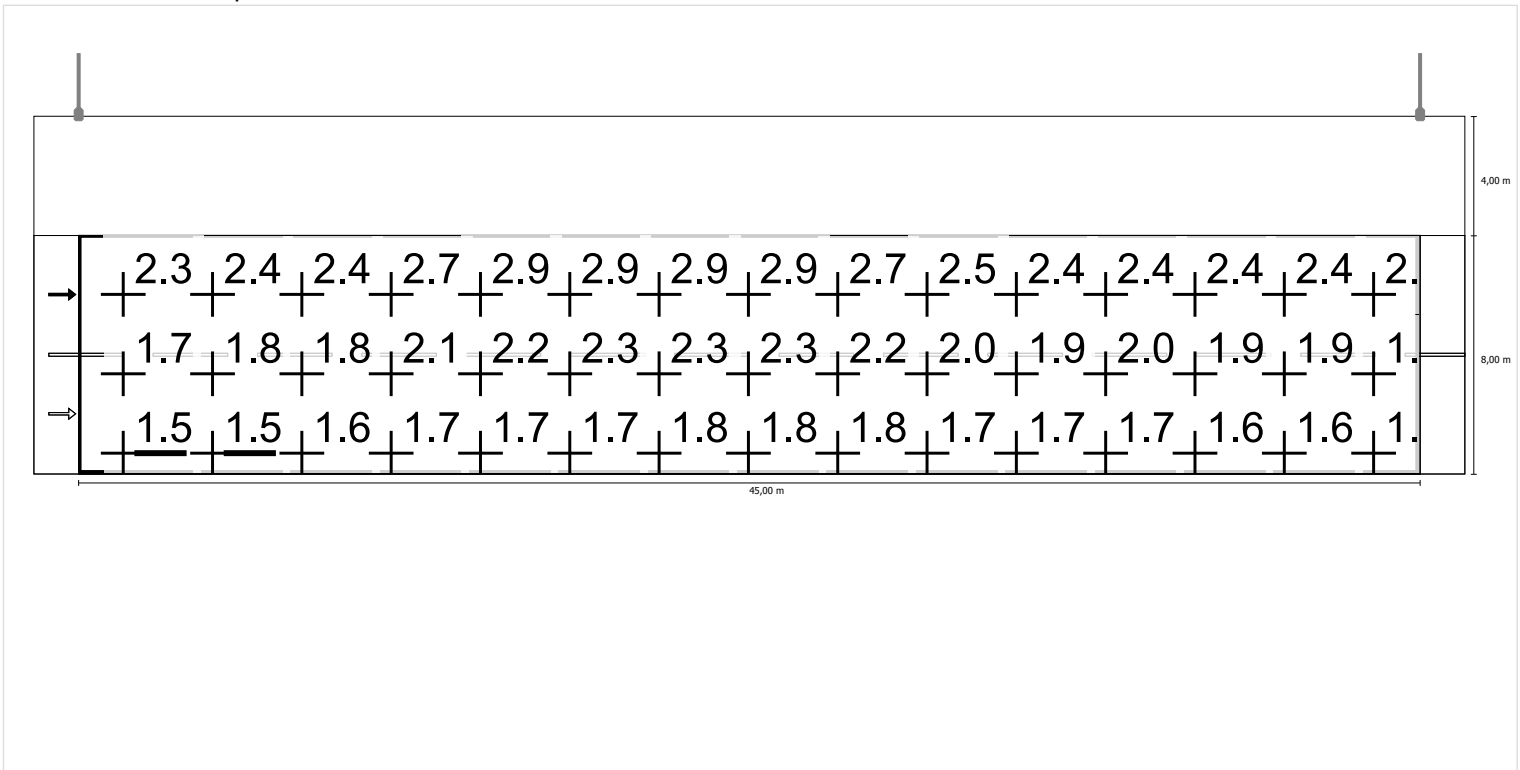
Scala: 1 : 500

Osservatore 2

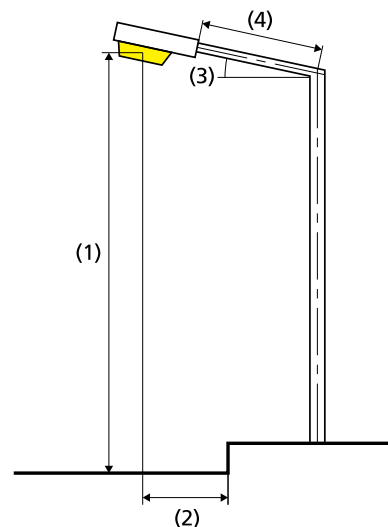
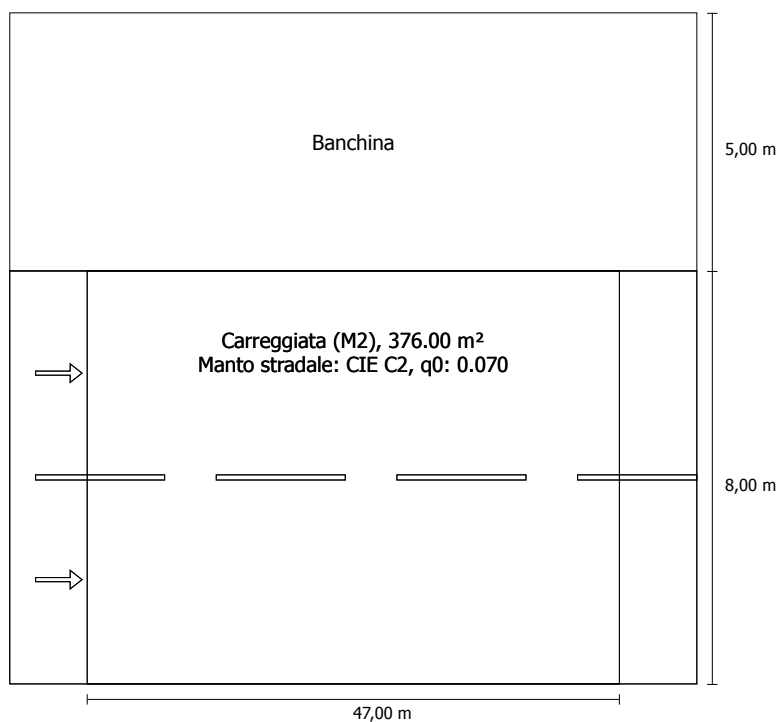
Luminanza con carreggiata asciutta



Luminanza con lampada nuova



11-Corsia marcia 4m e banchina 5m in direzione EN 13201:2015

Philips Lighting BGP623 T25 1 xLED100-4S/740 DW10
1xLED100-4S/740

Flusso luminoso (lampada): 55802.02 lm
 Flusso luminoso (lampadina): 61650.00 lm
 Ore di esercizio
 4000 h: 100.0 %, 424.0 W
 W/km: 8904.0

Disposizione: su un lato sotto
 Distanza pali: 47.000 m
 Inclinazione braccio (3): 0.0°
 Lunghezza braccio (4): 2.000 m
 Altezza fuochi (1): 13.000 m
 Sporgenza punto luce (2): -5.100 m

ULR: 0.00
 ULOR: 0.00
 Valori massimi dell'intensità luminosa
 per 70°: 437 cd/klm
 per 80°: 61.9 cd/klm
 per 90°: 0.00 cd/klm
 Classe intensità luminose: G*4

Per tutte le direzioni che, per le lampade installate e utilizzabili, formano l'angolo indicato con le verticali inferiori.

La disposizione rispetta la classe degli indici di abbagliamento D.3

Risultati per i campi di valutazione

Fattore di diminuzione: 0.67

Carreggiata (M2)

Lm [cd/m²] ≥ 1.50	Uo ≥ 0.40	UI ≥ 0.70	TI [%] ≤ 10	EIR ≥ 0.35
✓ 1.51	✓ 0.67	✓ 0.82	✓ 9	✓ 0.83

Risultati per gli indicatori dell'efficienza energetica

Indice della densità di potenza (Dp) 0.041 W/lxm²
 Densità di consumo energetico
 Disposizione: BGP623 T25 1 xLED100-4S/740 DW10 (1696.0 kWh) 4.5 kWh/m² p.a.

Carreggiata (M2)

Fattore di diminuzione: 0.67

Reticolo: 16 x 6 Punti

Lm [cd/m ²] ≥ 1.50	Uo ≥ 0.40	UI ≥ 0.70	TI [%] ≤ 10	EIR ≥ 0.35
✓ 1.51	✓ 0.67	✓ 0.82	✓ 9	✓ 0.83

Osservatori corrispondenti (2):

Osservatore	Posizione [m]	Lm [cd/m ²] ≥ 1.50	Uo ≥ 0.40	UI ≥ 0.70	TI [%] ≤ 10
Osservatore 1	(-60.000, 2.000, 1.500)	1.51	0.71	0.82	9
Osservatore 2	(-60.000, 6.000, 1.500)	1.64	0.67	0.83	6

Carreggiata (M2)

Illuminamento orizzontale [lx]

7.333	25.8	27.4	28.6	28.6	28.3	28.5	26.5	24.8	23.0	21.4	20.7	20.3	20.5	21.0	22.2	23.9
6.000	27.7	29.1	30.6	30.8	30.2	30.3	28.5	26.5	24.2	22.3	21.2	20.5	20.7	21.7	23.2	25.4
4.667	29.5	31.5	32.9	33.0	32.6	32.4	30.6	28.1	25.4	23.0	21.4	20.4	20.8	22.1	24.1	26.8
3.333	31.4	34.0	35.5	35.6	35.4	34.8	32.9	29.6	26.2	23.3	21.2	20.1	20.5	22.2	24.7	27.9
2.000	33.0	35.9	37.8	38.2	38.0	36.9	34.4	30.8	26.6	23.1	20.7	19.5	19.9	21.8	24.8	28.7
0.667	33.8	37.7	40.3	41.3	41.0	39.1	35.9	31.6	26.4	22.5	19.8	18.6	19.0	21.0	24.4	29.0
m	1.469	4.406	7.344	10.281	13.219	16.156	19.094	22.031	24.969	27.906	30.844	33.781	36.719	39.656	42.594	45.531

Reticolo: 16 x 6 Punti

Em [lx]	Emin [lx]	Emax [lx]	g1	g2
27.6	18.6	41.3	0.675	0.450

Osservatore 1

Luminanza con carreggiata asciutta [cd/m²]

7.333	1.25	1.23	1.17	1.16	1.13	1.15	1.12	1.07	1.09	1.09	1.14	1.17	1.22	1.23	1.24	1.27
6.000	1.40	1.32	1.29	1.24	1.21	1.24	1.20	1.16	1.18	1.17	1.22	1.26	1.34	1.38	1.39	1.39
4.667	1.55	1.49	1.43	1.32	1.30	1.33	1.31	1.30	1.29	1.26	1.31	1.35	1.46	1.52	1.55	1.55
3.333	1.72	1.66	1.58	1.46	1.43	1.47	1.47	1.45	1.41	1.41	1.44	1.45	1.61	1.68	1.72	1.75
2.000	1.95	1.82	1.74	1.64	1.59	1.62	1.61	1.63	1.62	1.60	1.59	1.63	1.79	1.88	1.91	1.93
0.667	2.18	2.04	1.93	1.87	1.82	1.86	1.86	1.89	1.84	1.81	1.83	1.89	2.01	2.12	2.15	2.16
m	1.469	4.406	7.344	10.281	13.219	16.156	19.094	22.031	24.969	27.906	30.844	33.781	36.719	39.656	42.594	45.531

Reticolo: 16 x 6 Punti

Luminanza con lampada nuova [cd/m²]

7.333	1.80	1.77	1.73	1.70	1.66	1.70	1.64	1.59	1.61	1.60	1.67	1.72	1.77	1.80	1.82	1.88
6.000	2.02	1.92	1.89	1.81	1.78	1.81	1.75	1.72	1.73	1.71	1.79	1.85	1.96	2.01	2.04	2.05
4.667	2.25	2.18	2.09	1.92	1.91	1.97	1.92	1.91	1.88	1.85	1.93	1.98	2.15	2.24	2.29	2.30
3.333	2.53	2.46	2.33	2.16	2.11	2.17	2.17	2.12	2.09	2.08	2.11	2.14	2.37	2.49	2.54	2.59
2.000	2.91	2.72	2.60	2.46	2.37	2.41	2.41	2.44	2.41	2.39	2.37	2.44	2.68	2.80	2.86	2.89
0.667	3.37	3.16	2.97	2.84	2.78	2.85	2.86	2.90	2.83	2.78	2.79	2.87	3.06	3.21	3.25	3.25
m	1.469	4.406	7.344	10.281	13.219	16.156	19.094	22.031	24.969	27.906	30.844	33.781	36.719	39.656	42.594	45.531

Reticolo: 16 x 6 Punti

Osservatore 2

Luminanza con carreggiata asciutta [cd/m²]

7.333	1.30	1.27	1.20	1.19	1.16	1.19	1.15	1.10	1.13	1.13	1.19	1.23	1.28	1.27	1.29	1.29
6.000	1.46	1.38	1.36	1.30	1.26	1.28	1.25	1.23	1.24	1.22	1.28	1.33	1.41	1.45	1.45	1.44
4.667	1.63	1.58	1.51	1.40	1.36	1.42	1.41	1.39	1.38	1.37	1.41	1.43	1.56	1.61	1.62	1.62
3.333	1.85	1.78	1.71	1.61	1.56	1.59	1.60	1.60	1.59	1.57	1.57	1.60	1.73	1.81	1.82	1.83
2.000	2.14	1.99	1.90	1.83	1.79	1.86	1.88	1.88	1.84	1.83	1.84	1.85	1.98	2.05	2.07	2.05
0.667	2.43	2.31	2.20	2.14	2.09	2.15	2.17	2.20	2.18	2.16	2.14	2.14	2.27	2.34	2.36	2.33
m	1.469	4.406	7.344	10.281	13.219	16.156	19.094	22.031	24.969	27.906	30.844	33.781	36.719	39.656	42.594	45.531

Reticolo: 16 x 6 Punti

Luminanza con lampada nuova [cd/m²]

7.333	1.92	1.88	1.78	1.76	1.73	1.77	1.70	1.64	1.67	1.67	1.77	1.83	1.90	1.89	1.91	1.93
6.000	2.18	2.06	2.03	1.94	1.88	1.91	1.87	1.83	1.85	1.82	1.91	1.99	2.11	2.16	2.16	2.15
4.667	2.48	2.40	2.31	2.13	2.06	2.15	2.13	2.12	2.07	2.08	2.13	2.15	2.35	2.42	2.43	2.43
3.333	2.92	2.77	2.66	2.54	2.46	2.53	2.53	2.48	2.48	2.46	2.42	2.46	2.66	2.76	2.76	2.76
2.000	3.48	3.29	3.15	3.03	2.94	3.00	3.05	3.06	3.01	2.94	2.93	2.94	3.07	3.19	3.18	3.13
0.667	3.70	3.50	3.38	3.45	3.45	3.59	3.70	3.55	3.49	3.55	3.52	3.50	3.59	3.70	3.68	3.61
m	1.469	4.406	7.344	10.281	13.219	16.156	19.094	22.031	24.969	27.906	30.844	33.781	36.719	39.656	42.594	45.531

Reticolo: 16 x 6 Punti

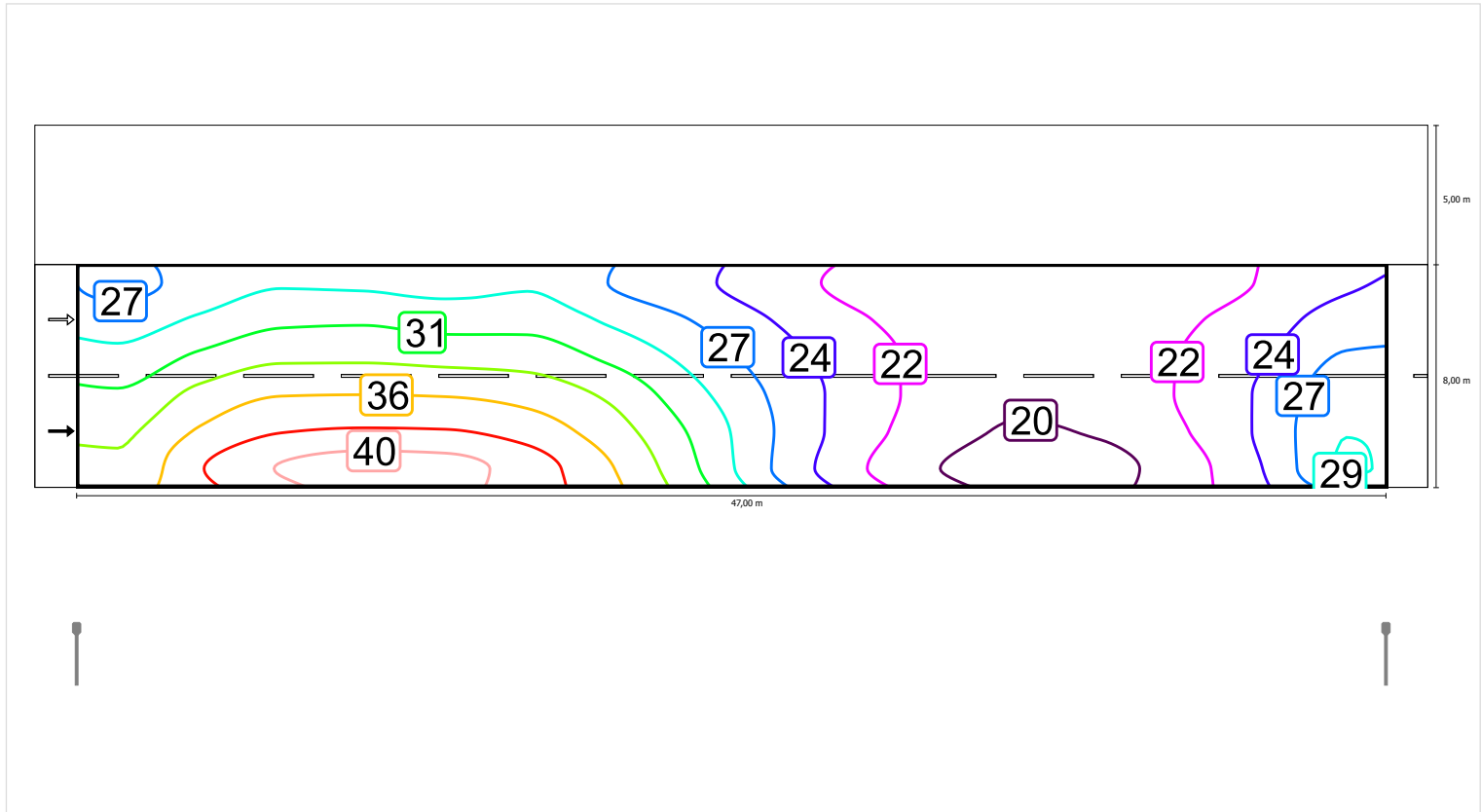
Carreggiata (M2)

Fattore di diminuzione: 0.67

Reticolo: 16 x 6 Punti

Lm [cd/m ²] ≥ 1.50	Uo ≥ 0.40	UI ≥ 0.70	TI [%] ≤ 10	EIR ≥ 0.35
✓ 1.51	✓ 0.67	✓ 0.82	✓ 9	✓ 0.83

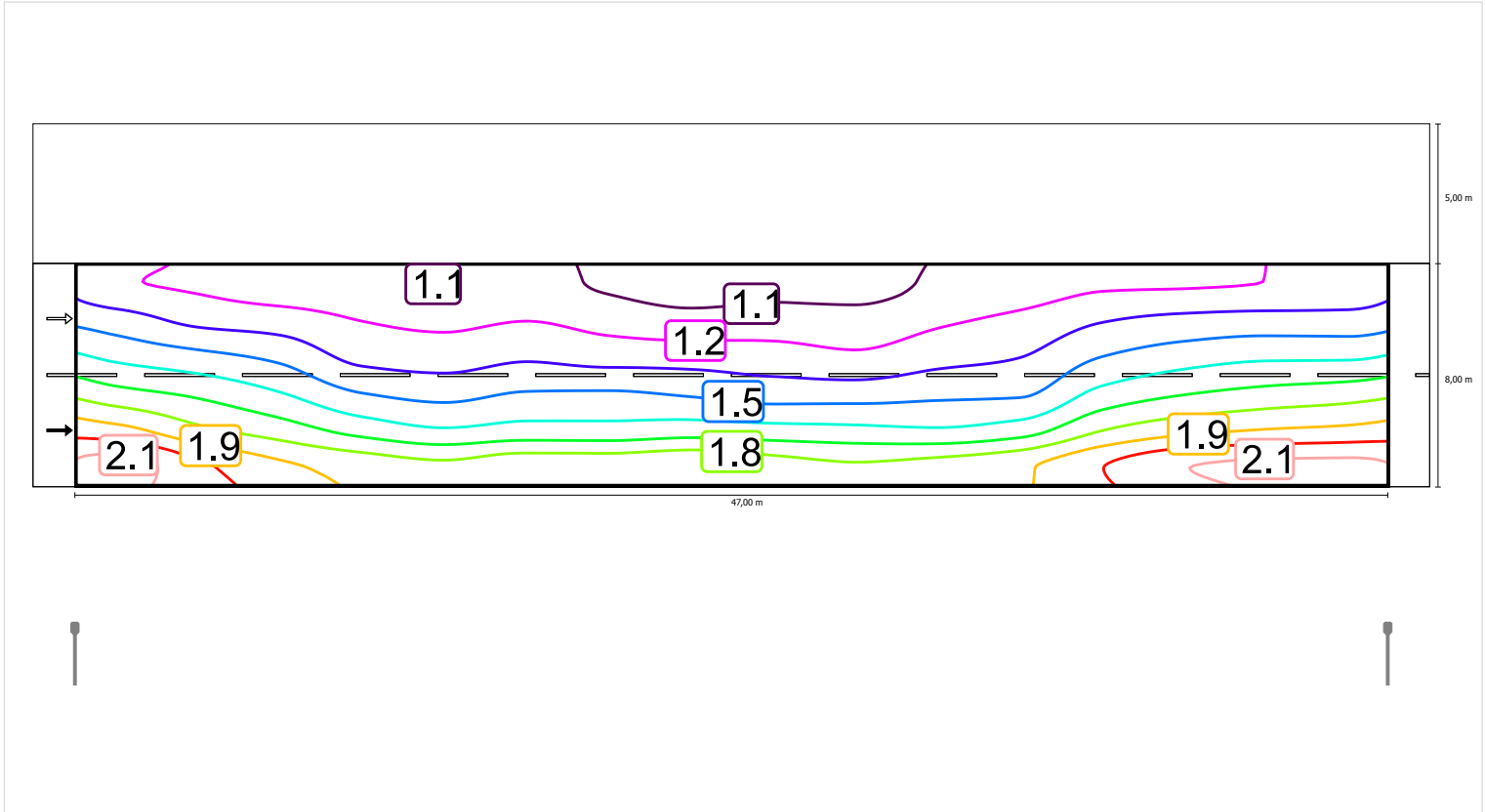
Illuminamento orizzontale



Scala: 1 : 500

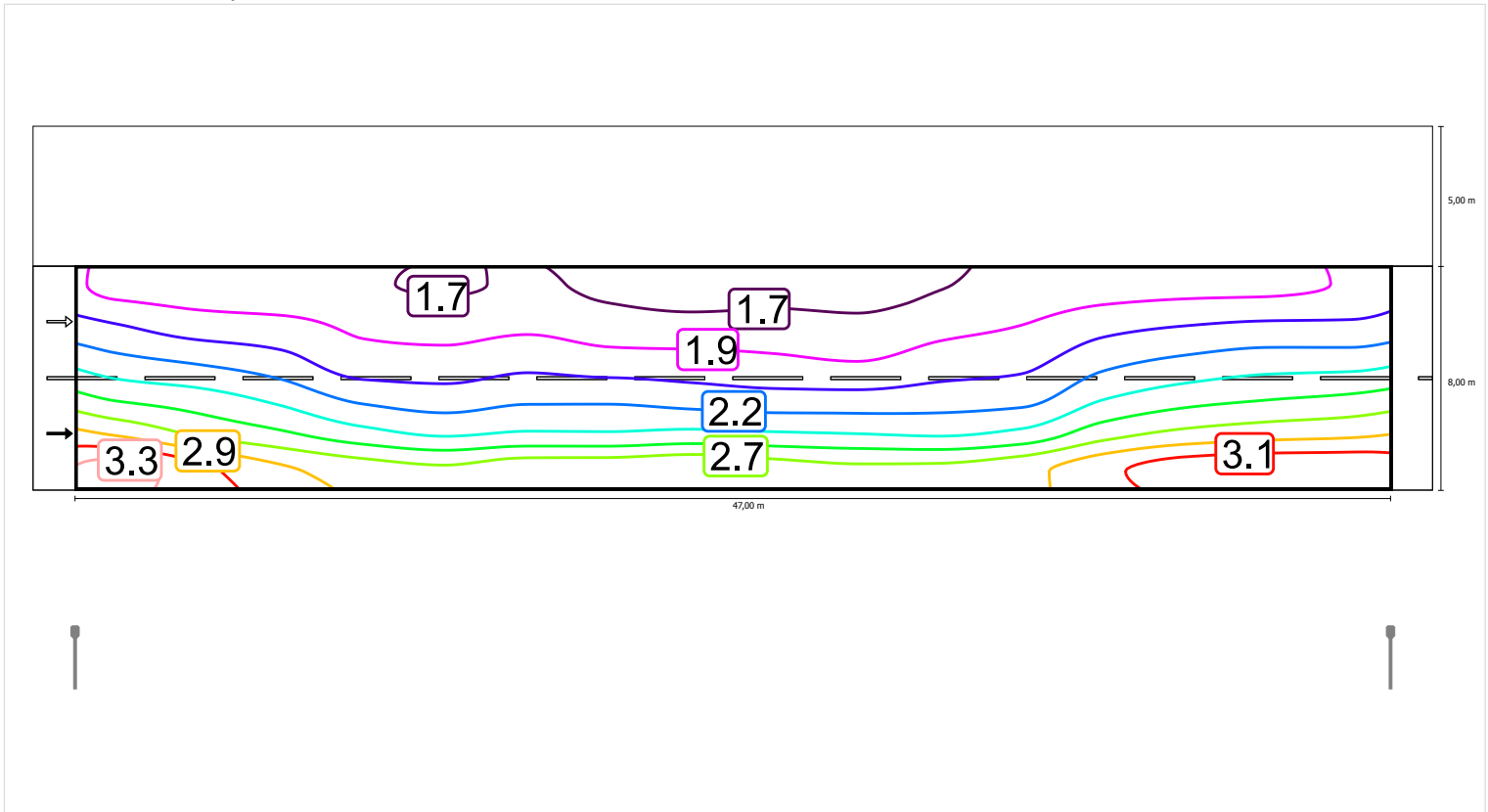
Osservatore 1

Luminanza con carreggiata asciutta



Scala: 1 : 500

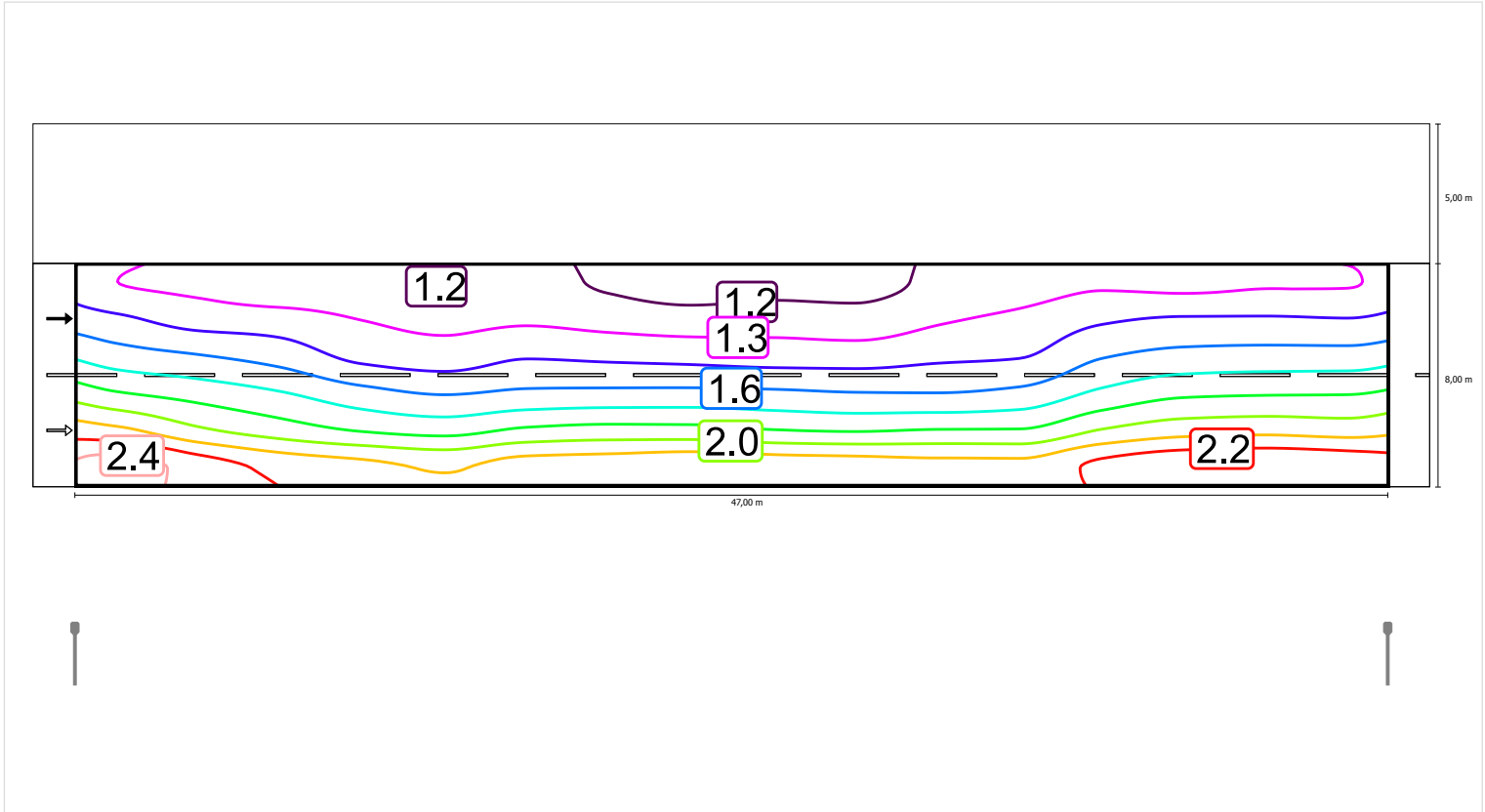
Luminanza con lampada nuova



Scala: 1 : 500

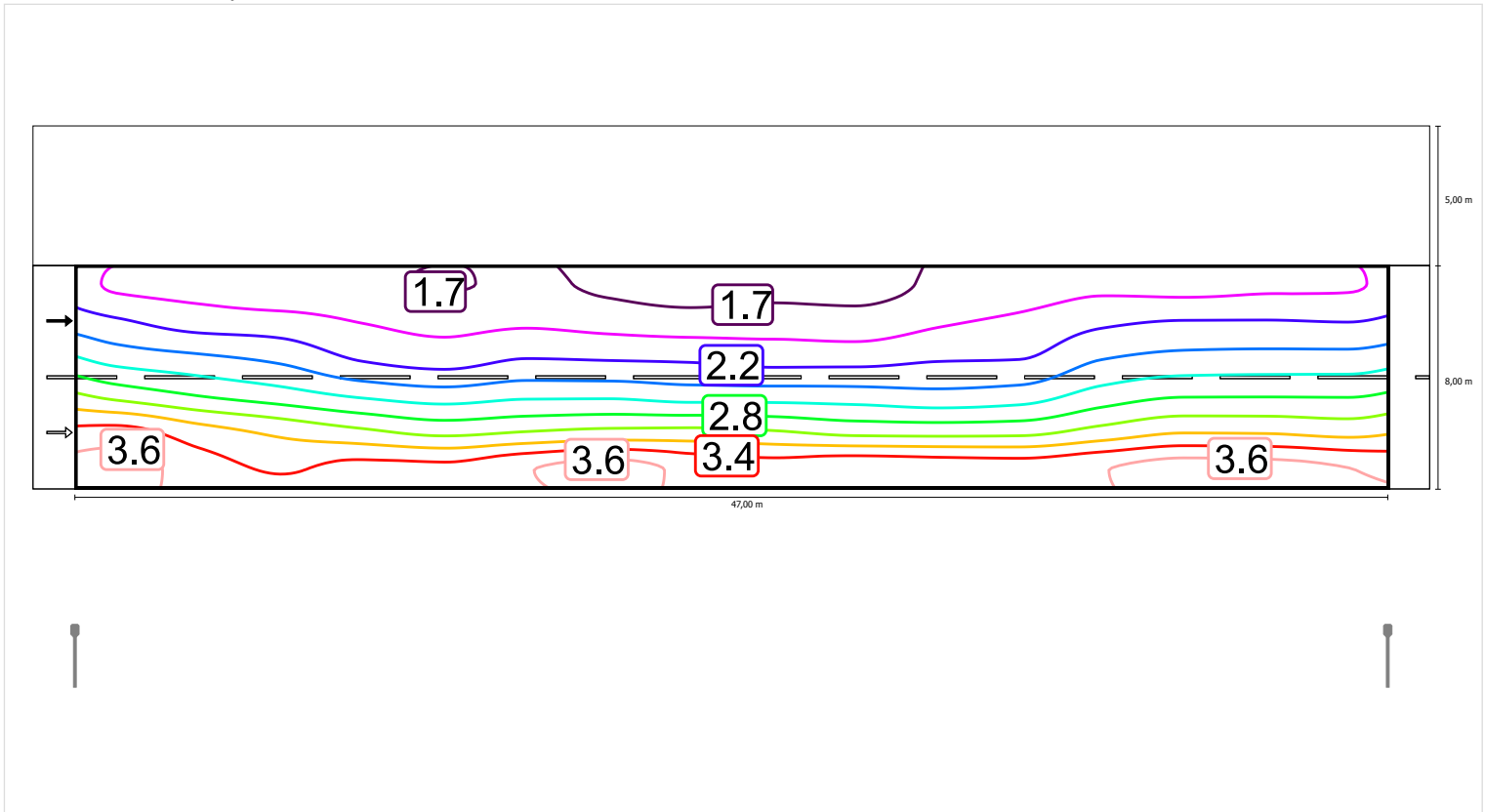
Osservatore 2

Luminanza con carreggiata asciutta



Scala: 1 : 500

Luminanza con lampada nuova



Scala: 1 : 500

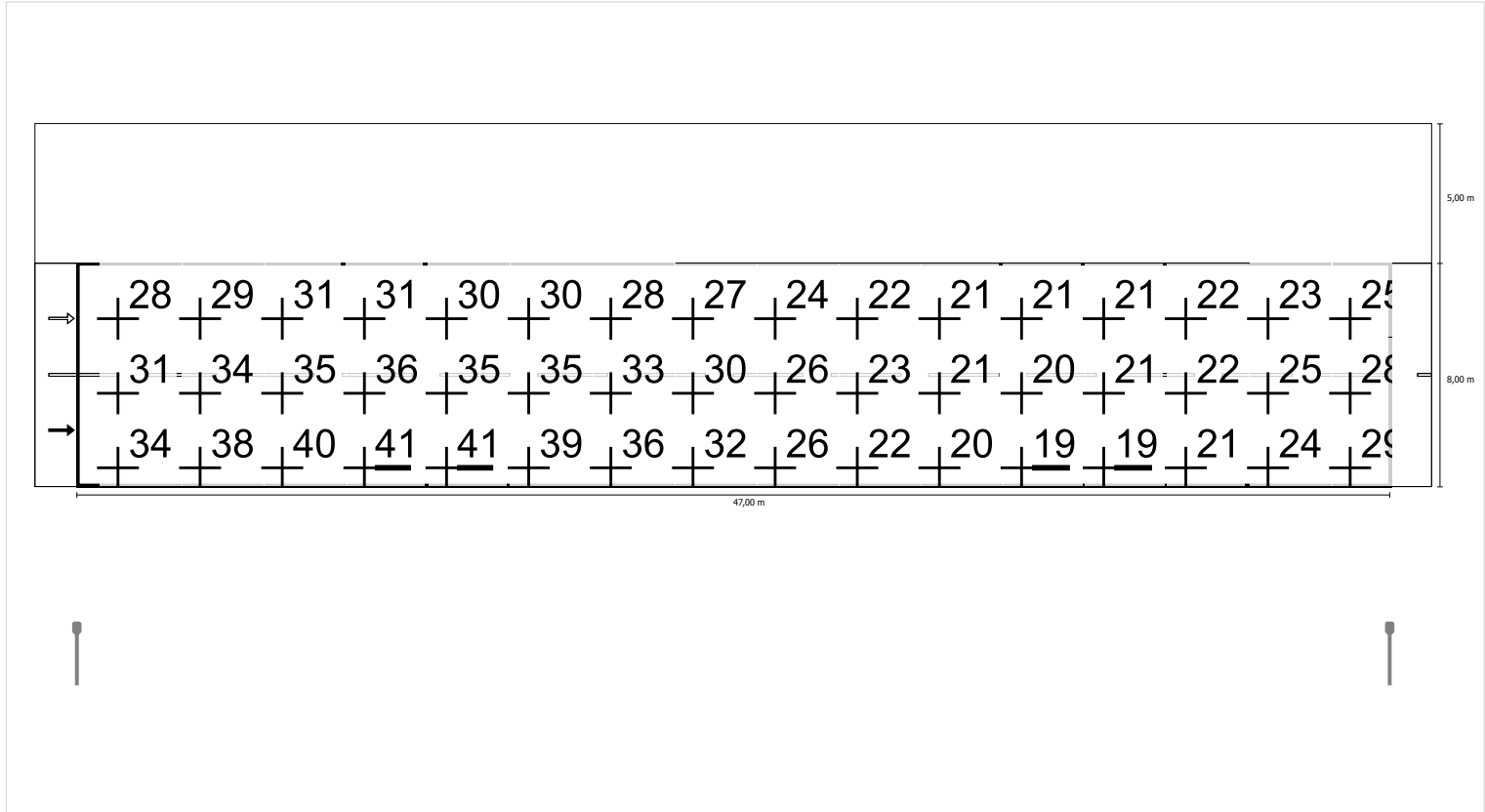
Carreggiata (M2)

Fattore di diminuzione: 0.67

Reticolo: 16 x 6 Punti

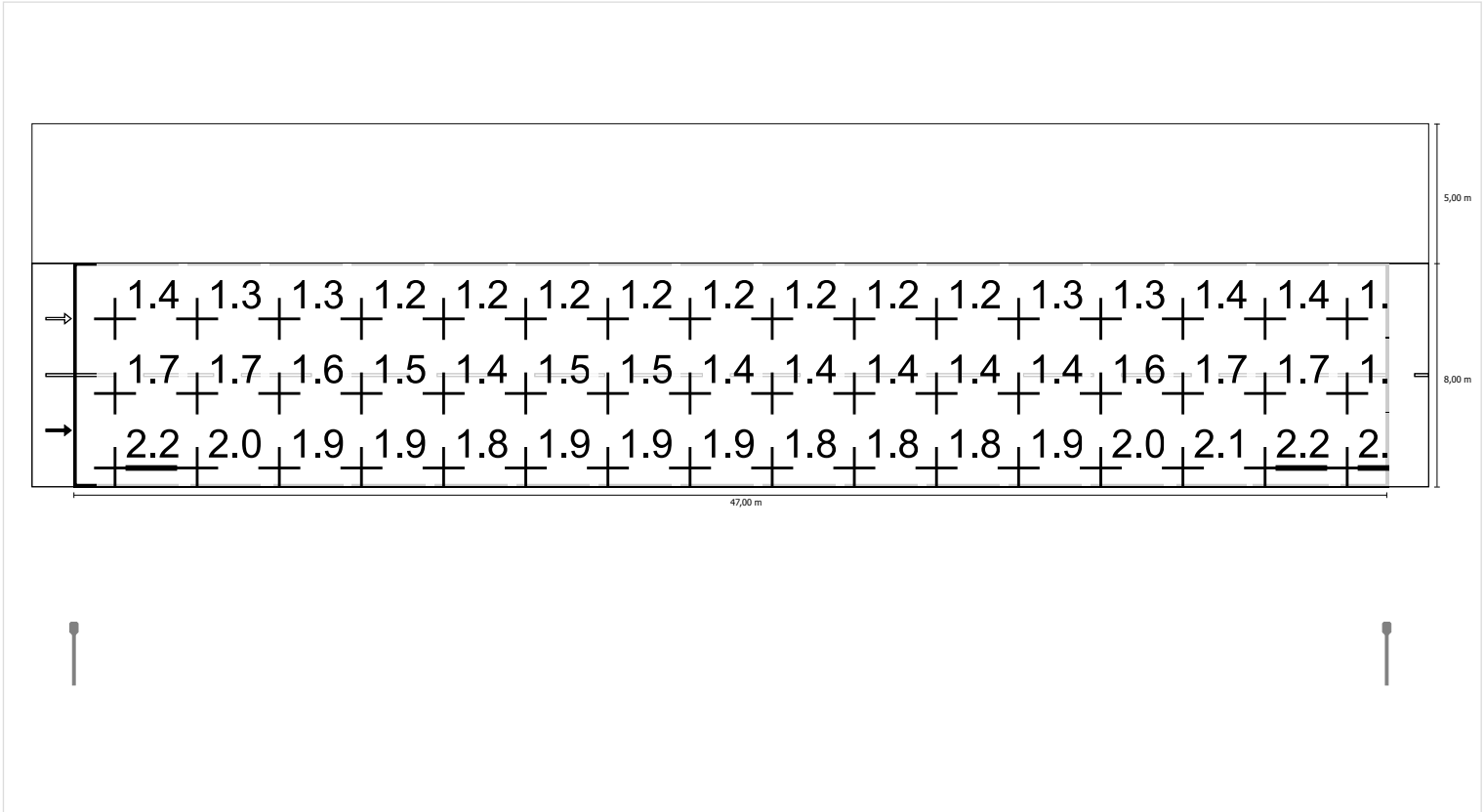
Lm [cd/m ²] ≥ 1.50	Uo ≥ 0.40	UI ≥ 0.70	TI [%] ≤ 10	EIR ≥ 0.35
✓ 1.51	✓ 0.67	✓ 0.82	✓ 9	✓ 0.83

Illuminamento orizzontale



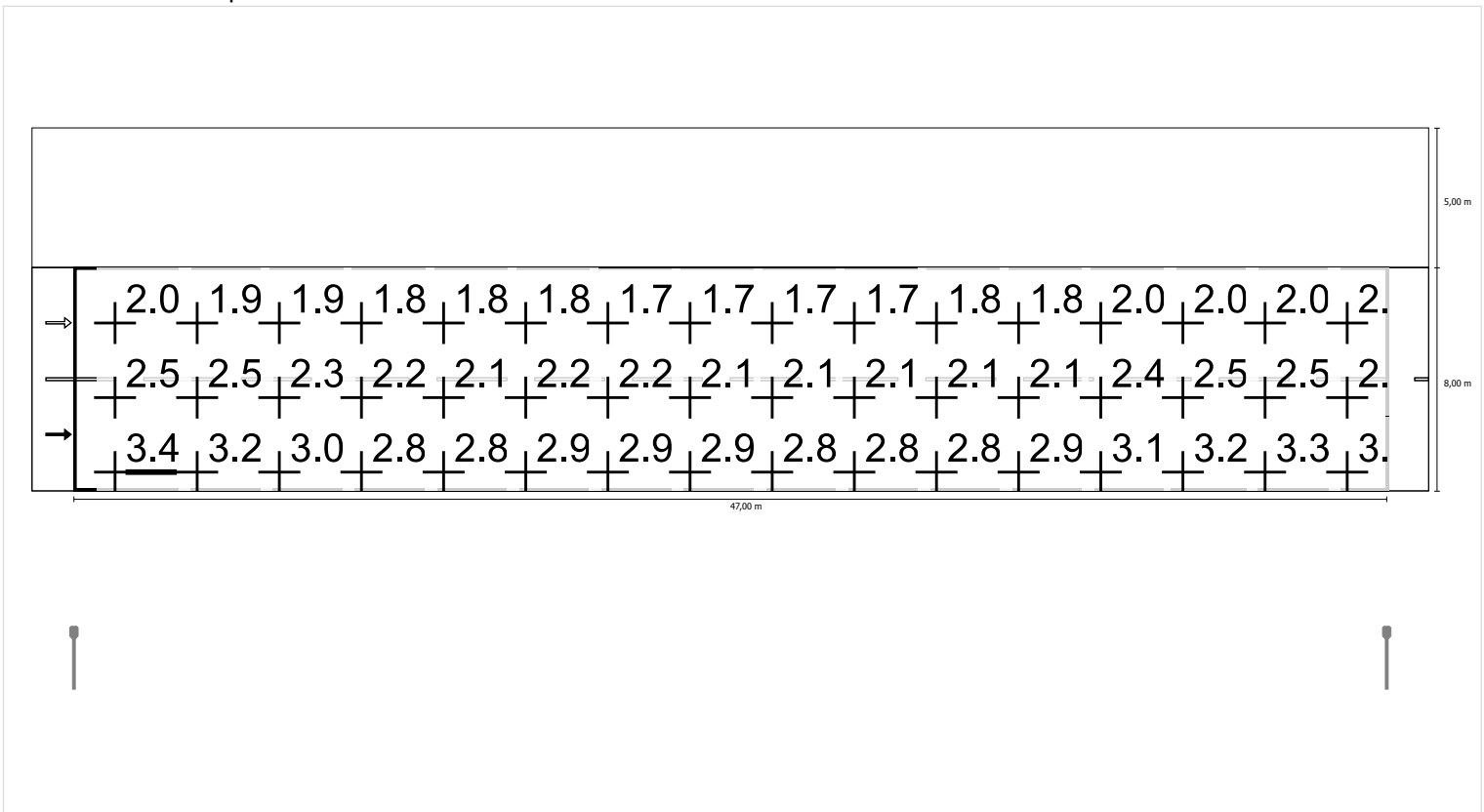
Osservatore 1

Luminanza con carreggiata asciutta



Scala: 1 : 500

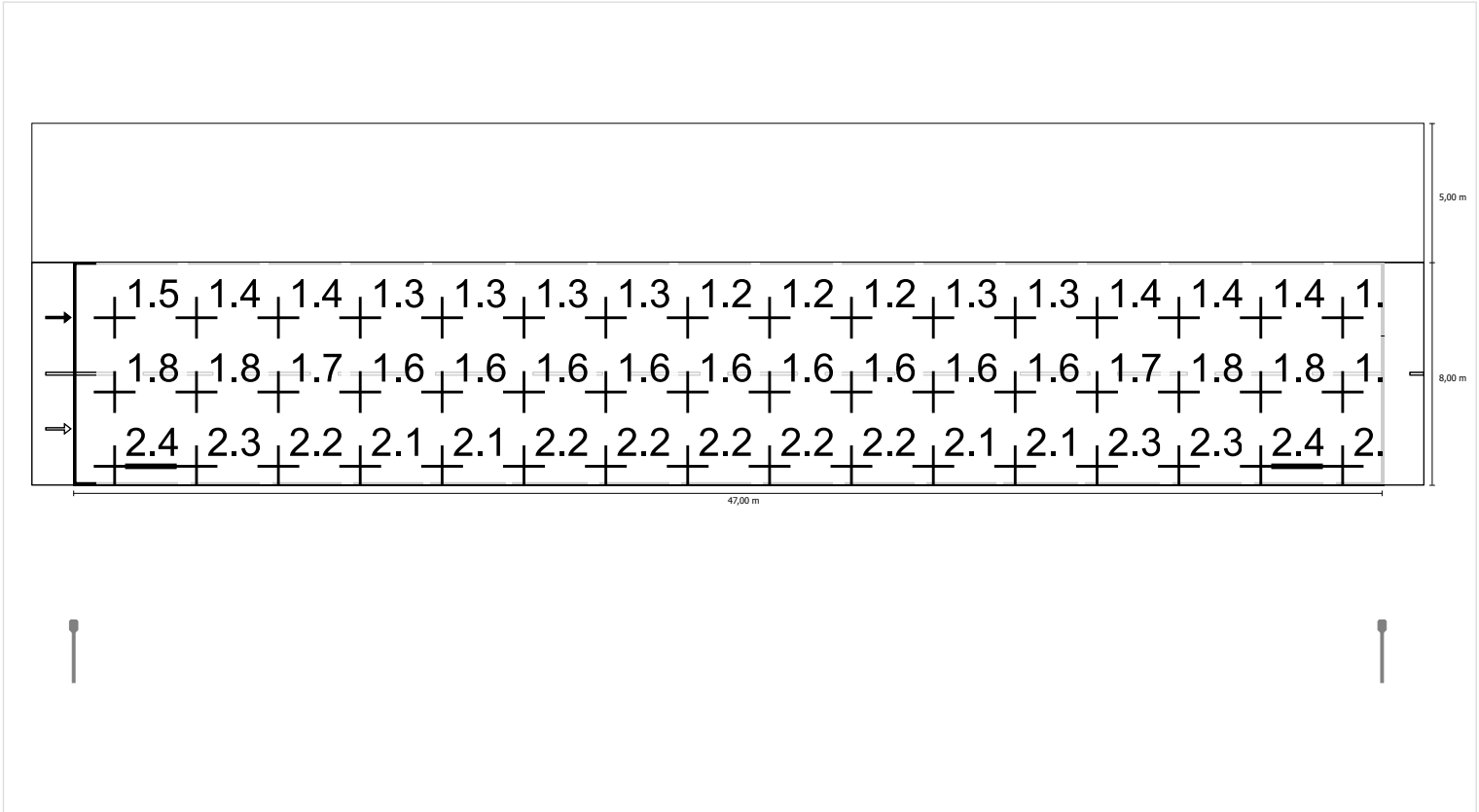
Luminanza con lampada nuova



Scala: 1 : 500

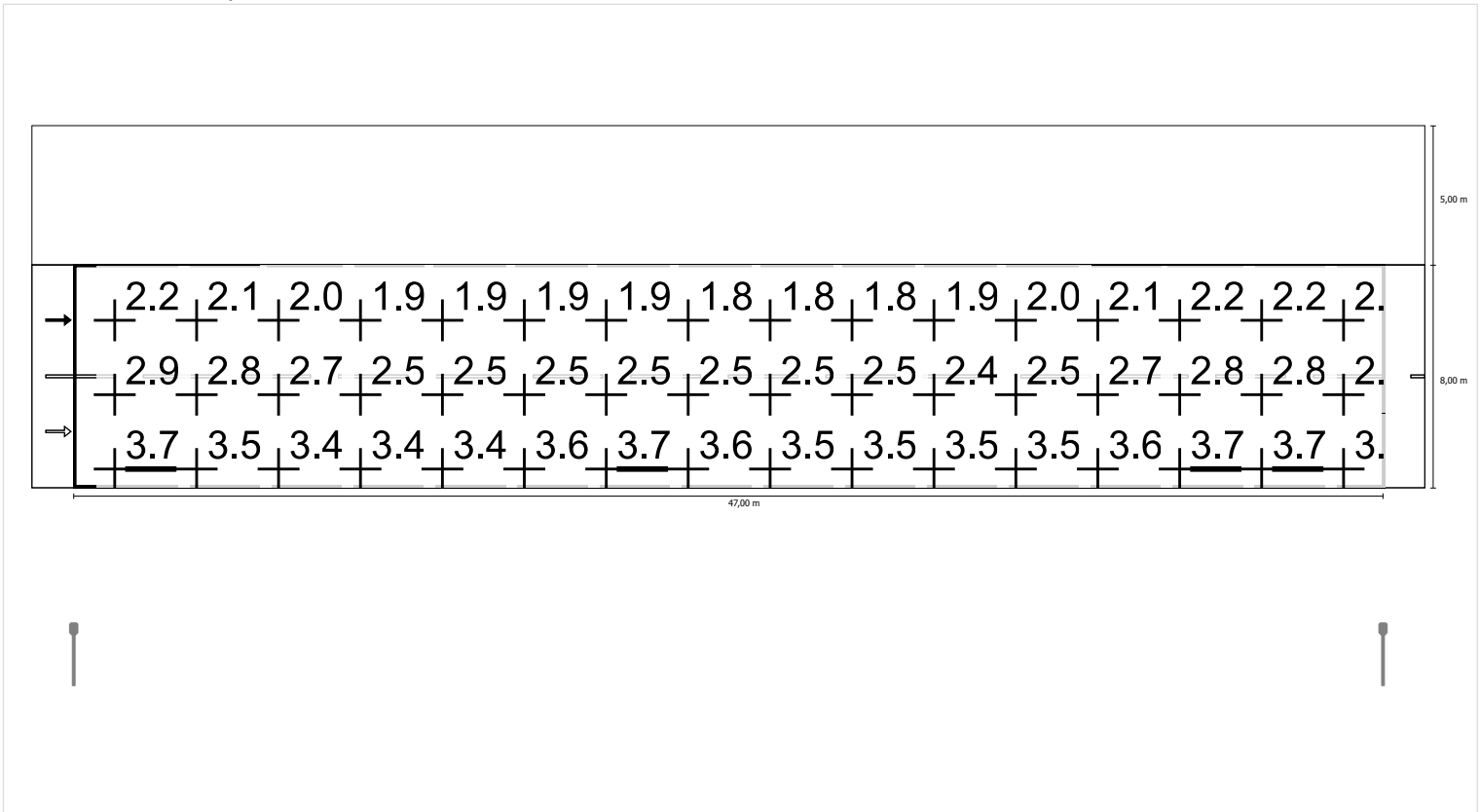
Osservatore 2

Luminanza con carreggiata asciutta



Scala: 1 : 500

Luminanza con lampada nuova



Scala: 1 : 500