



PX-0105-BLA

V0

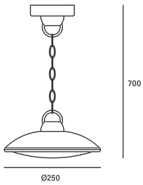
Pergola Pendant



Description

Pendant IP44 Pergola LED 7.5W 3000K ON-OFF White 533lm

	Finish	Material
Structure	White	Aluminium
Diffuser	Opal	Polycarbonate



IP44 IK08  ULTRA HORIZONTAL  6

TECHNICAL CHARACTERISTICS

Light source

Light source: LED SUNPU
Output (W): 7.5W
Total power consumption (W): 7.5
Color temperature: LED warm-white 3000K

CRI: 80
Photobiological risk: RG0
Real Lumen: 533
Qty Leds: 49
Lm/Real W: 71
Life Time: 36.000 L70B30
Bin / Grup: Wi9
MacAdam steps: 3
UGR: 16.8
Recommended lamp: LED

GEAR

Gear included: Yes, electronic
Voltage / Frequency:
220-240V/50-60Hz
Dimming protocol: ON-OFF

Luminaire

Drainage: Yes
Uv Protection: Yes
Warranty: 5 Years

Logistics

Energy Efficiency: LED A++
EAN Code: 8435381438500
Net Weight (Kg): 1.08
Weight in Kg (packaged): 1.57
Packing: 260 x 260 x 190
Masterbox: 6

UGR	
S=0.250	
Ceiling/Cavity	0.7
Walls	0.5
Working Plane	0.2
Room dimensions	X=4H, Y=8H
UGR Crosswise	21.4
UGR Endwise	21.3

The photograph may not match the reference exactly. Please read the product description to identify the finish.

Luminaire

Code PX-0105-BLA
 Name Colgante PERGOLA 49 leds 9.8W

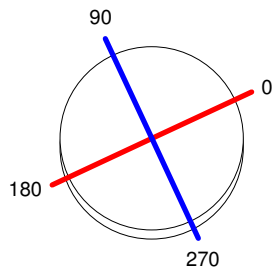
Measurement

Code PX-0105-BLA
 Name Colgante PERGOLA 49 leds 9.8W

Luminaire Flux	532.60 lm	Luminaire Power	9.00 W	Efficacy	59.18 lm/W	Efficiency	100.00%
Lamps Flux	532.60 lm	Maximum value	168.13 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical
Round Luminaire Round Luminous Area	Diam. 250 mm Diam. 205 mm	Height	100 mm	Height	30 mm		
Horizontal Luminous Area Emitting area on Plane 0° Emitting area on Plane 90°	0.033006 m2 0.006150 m2 0.006150 m2	Emitting area on Plane 180° Emitting area on Plane 270° Glare area at 76°			0.006150 m2 0.006150 m2 0.013952 m2		
Coordinate system Date Measurement Distance	CG 23-02-2016 0.00	Symmetry Type Maximum Gamma Angle Measurement Flux			Double Symmetrical 180 532.60 lm		
Operator Temperature Humidity Notes	Asselum T2 25.00 °C 60.00 %	Source Voltage [V] Source current [A] Photocell					

Line	Code	Luminaire Lamps	Flux [lm]	Pow. [W]	Q.ty
	PX-0105-BLA	Name PX-0105-BLA - 9.00 W	532.60	9.00	1
C.I.E. F UTE	44 74 92 97 100 0.97 E + 0.03 T	D DIN 5040 B NBN	A31 BZ 5		

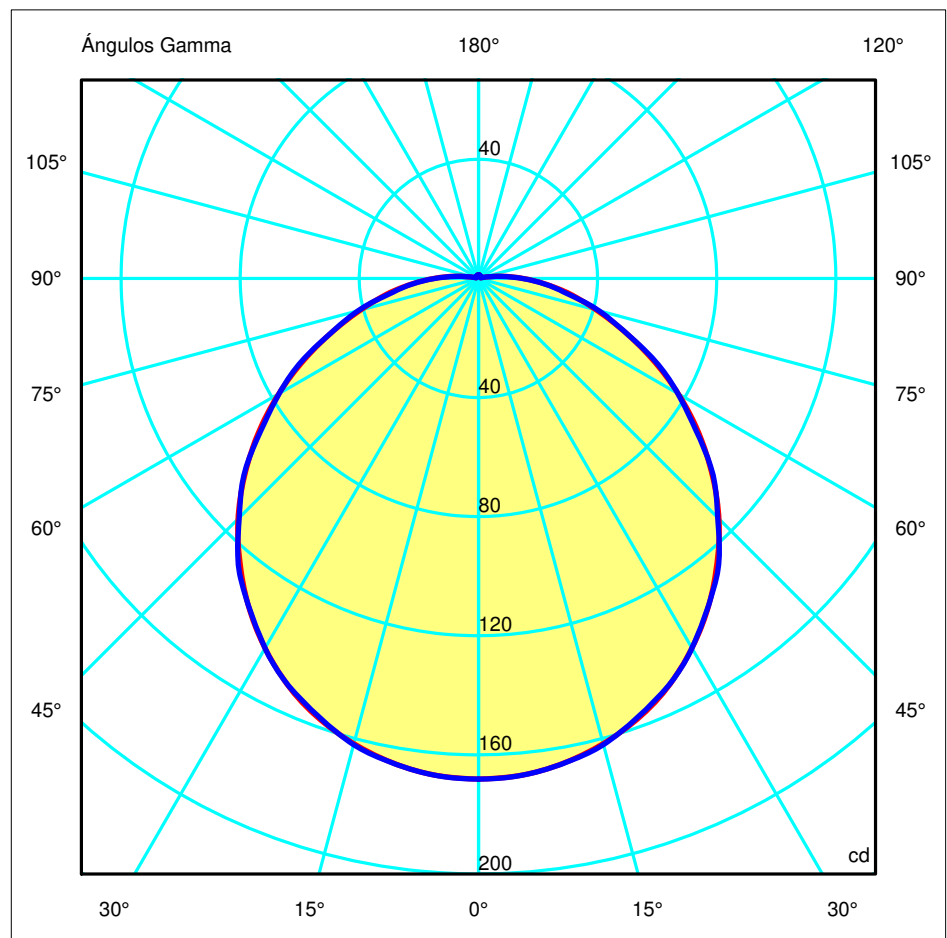
Diam=250mm



Semiplanos C

180.0 — 0.0
 270.0 — 90.0

ULOR 2.91 %
 DLOR 97.09 %
 RN 2.91 %



Luminaire

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Measur.

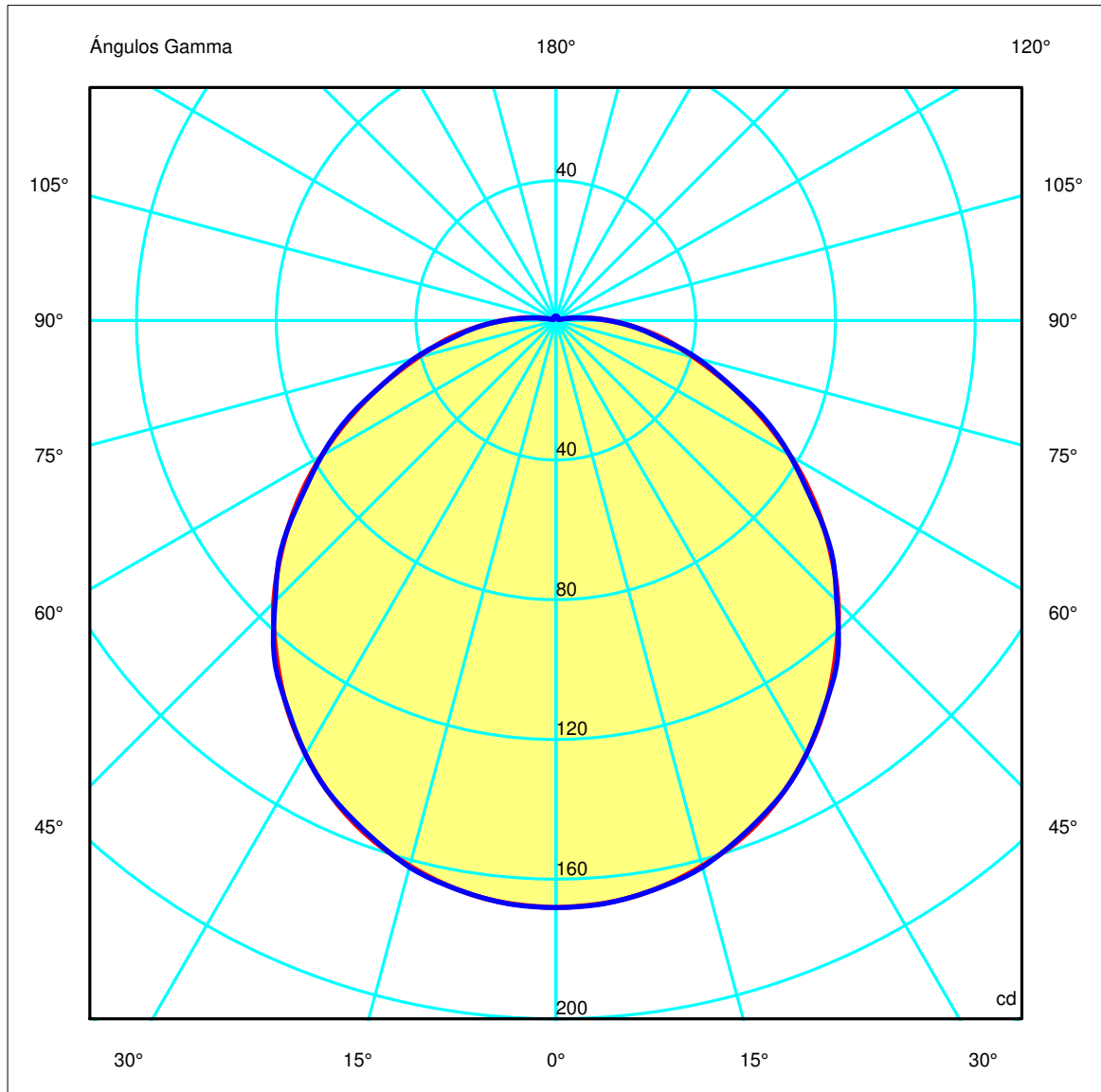
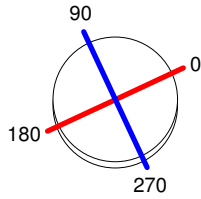
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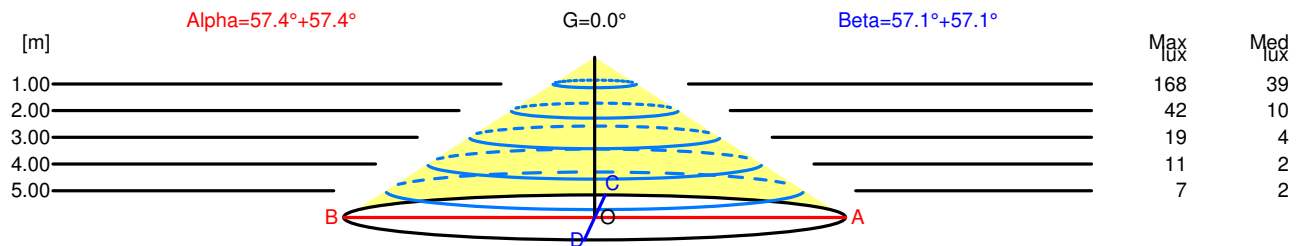
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Width at 50.00 % of Max Intensity

H[m]	1.00	2.00	3.00	4.00	5.00	H[m]	1.00	2.00	3.00	4.00	5.00
OA	1.57	3.13	4.70	6.26	7.83	OC	1.54	3.09	4.63	6.18	7.72
OB	1.57	3.13	4.70	6.26	7.83	OD	1.54	3.09	4.63	6.18	7.72

	Luminous Intensities [cd]									
	0	5	15	25	35	45	55	65	75	85
OA	168.13	167.39	161.67	150.99	134.55	114.20	90.23	64.59	40.94	22.99
OB	168.13	167.39	161.67	150.99	134.55	114.20	90.23	64.59	40.94	22.99
OC	168.13	167.48	162.07	150.89	134.42	113.60	89.28	65.34	41.93	22.82
OD	168.13	167.48	162.07	150.89	134.42	113.60	89.28	65.34	41.93	22.82



H[m]	D[m]	Max lux	Med lux	Alpha=57.4°+57.4°	G=0.0
1.00	3.13	168	39		
2.00	6.26	42	10		
3.00	9.39	19	4		
4.00	12.52	11	2		
5.00	15.65	7	2		

H[m]	D[m]	Max lux	Med lux	Beta=57.1°+57.1°	G=0.0
1.00	3.09	168	39		
2.00	6.18	42	10		
3.00	9.27	19	4		
4.00	12.35	11	2		
5.00	15.44	7	2		

Luminaire

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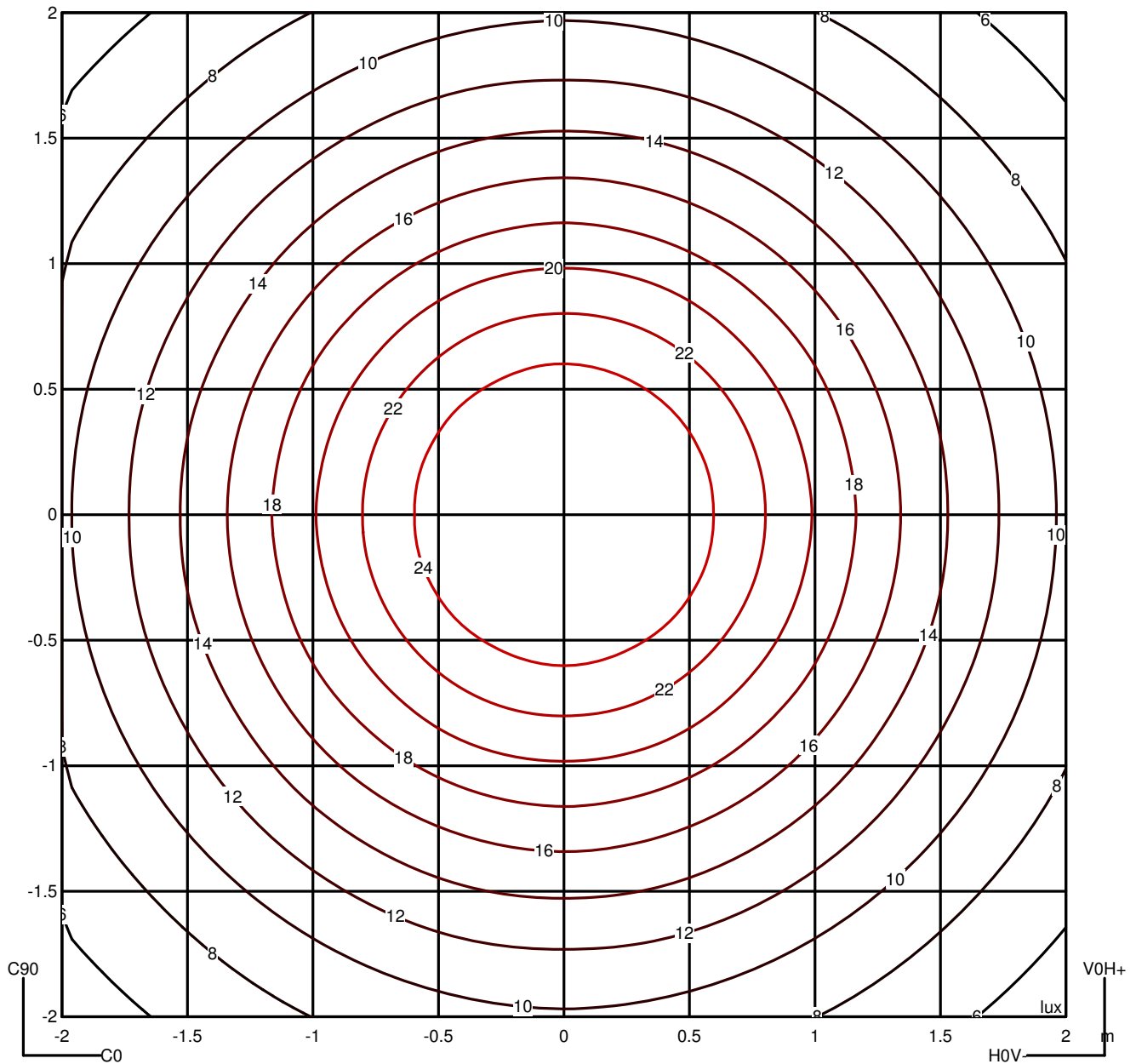
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Isolux (Floor)

Luminaire position X=0.00m Y=0.00m Z=2.50m

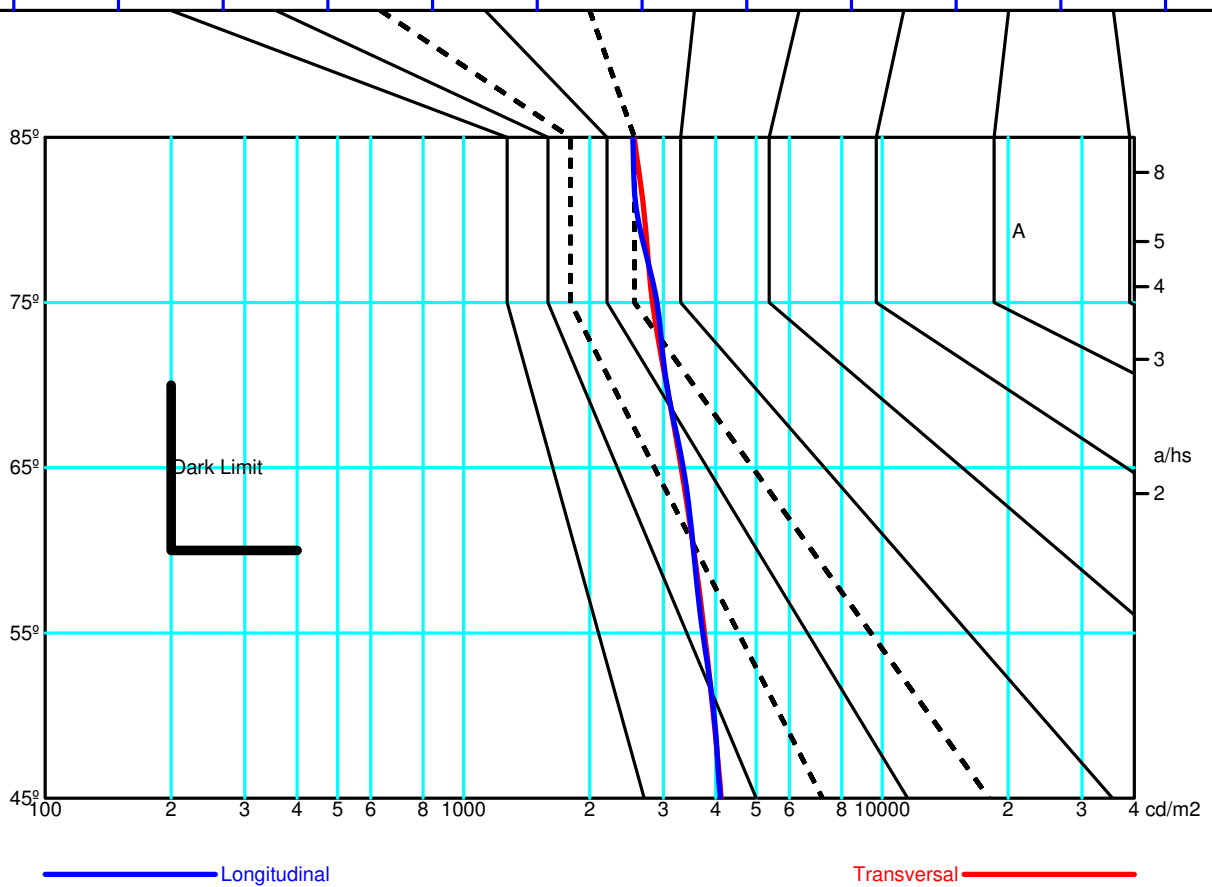


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		Average Luminance [cd/m ²]									
		45°	50°	55°	60°	65°	70°	75°	80°	85°	
0.0°	4125	3950	3765	3546	3309	3054	2827	2709	2554	---	
90.0°	4103	3967	3725	3541	3347	3057	2895	2611	2535	---	

Flujo montado o vista longitudinal												
		Iluminancia (lx)										
A	A	2000	1000	750	500		<300					1.15
B	1		2000	1500	1000	750	500	<300				1.5
C					2000		1000	500	<300			1.85
D	2						2000	1000	500	<300		2.2
E	3							2000	1000	500	<300	2.55



Luminaire

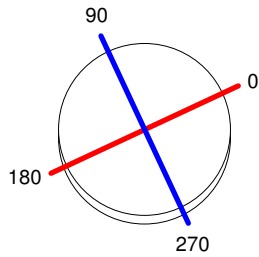
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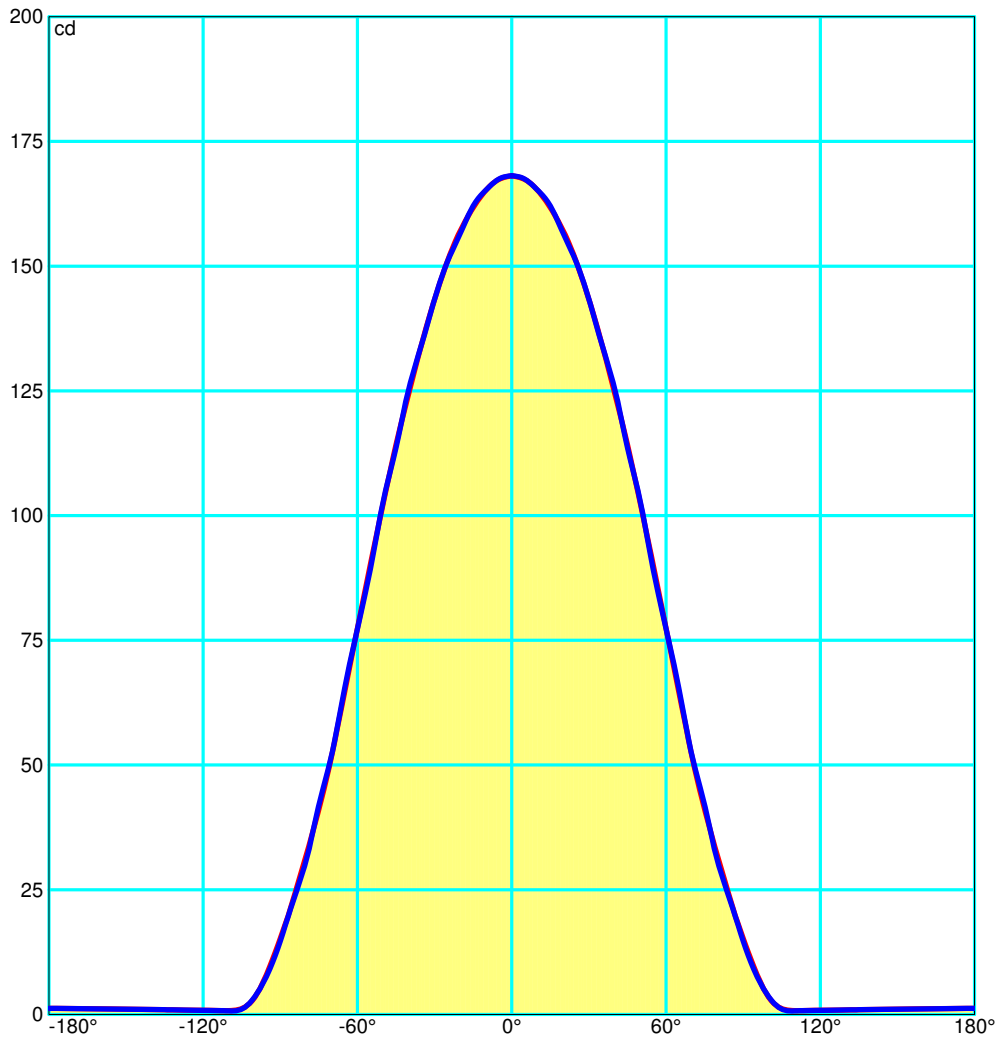
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Diam=250mm



Semiplanos C





Luminaire

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Lamps Flux	532.60 lm	Maximum value	168.13 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

UGR
 S = 0.250

Reflectancies										
Ceiling/Cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
WorkingPlane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
RoomDimensions	ViewedCrosswise					ViewedEndwise				
x=2H y=2H	16.8	18.1	17.1	18.4	18.7	16.8	18.1	17.1	18.4	18.7
x=2H y=3H	18.4	19.6	18.8	19.9	20.3	18.4	19.6	18.8	19.9	20.3
x=2H y=4H	19.1	20.3	19.5	20.6	21.0	19.1	20.3	19.5	20.6	21.0
x=2H y=6H	19.8	20.8	20.2	21.2	21.6	19.8	20.8	20.2	21.2	21.6
x=2H y=8H	20.1	21.1	20.5	21.5	21.8	20.0	21.1	20.5	21.5	21.8
x=2H y=12H	20.3	21.3	20.7	21.7	22.1	20.3	21.3	20.7	21.7	22.1
x=4H y=2H	17.5	18.7	17.9	19.0	19.3	17.5	18.6	17.9	19.0	19.3
x=4H y=3H	19.3	20.3	19.7	20.7	21.1	19.3	20.3	19.8	20.7	21.1
x=4H y=4H	20.2	21.1	20.6	21.5	21.9	20.2	21.1	20.6	21.5	21.9
x=4H y=6H	21.0	21.8	21.5	22.2	22.7	21.0	21.8	21.5	22.2	22.7
x=4H y=8H	21.4	22.1	21.8	22.5	23.0	21.3	22.1	21.8	22.5	23.0
x=4H y=12H	21.7	22.4	22.2	22.8	23.3	21.7	22.3	22.2	22.8	23.3
x=8H y=4H	20.6	21.3	21.1	21.8	22.2	20.6	21.3	21.1	21.8	22.2
x=8H y=6H	21.6	22.2	22.1	22.7	23.2	21.6	22.2	22.1	22.7	23.2
x=8H y=8H	22.1	22.6	22.6	23.1	23.6	22.1	22.6	22.6	23.1	23.6
x=8H y=12H	22.5	23.0	23.1	23.5	24.1	22.5	23.0	23.0	23.5	24.1
x=12H y=4H	20.6	21.3	21.1	21.8	22.3	20.6	21.3	21.1	21.8	22.3
x=12H y=6H	21.7	22.2	22.2	22.7	23.3	21.7	22.2	22.2	22.7	23.3
x=12H y=8H	22.2	22.7	22.8	23.2	23.8	22.2	22.7	22.8	23.2	23.8

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Measurum.

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Flujo Total=532.60 Flujo Luminaria=532.60

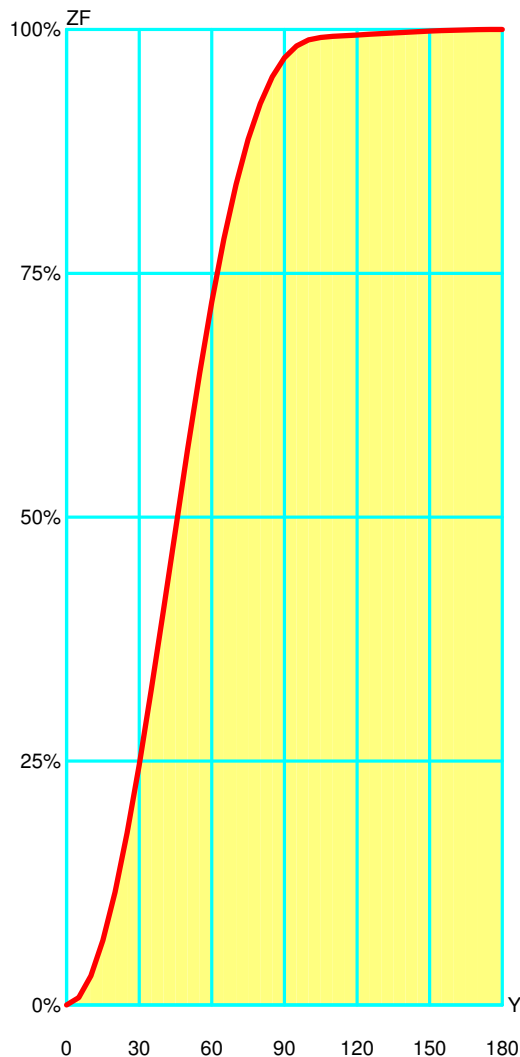
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.28	0.37	0.44	0.51	0.56	0.64	0.70	0.74	0.80	0.83	0.90	0.95
RC	5	5	6	6	6	6	6	6	6	6	6	6

Flujo Zonal por 1000 Lúmenes

Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	30	116	246	404	569	721	841	924	971	989	993	994	996	997	998	999	1000	1000

Códigos de Flujo C.I.E.
44 74 92 97 100

C.I.E.	5/5/6/6/6/6/6/6/6/6	LOR	99.99944 %
D DIN 5040	A31	ULOR	2.91390 %
F UTE	0.97 E + 0.03 T	DLOR	97.08554 %
B NBN	BZ 5	UFF	2.91392 %
RN	2.91392 %	DFF	97.08608 %
BLF	1.0	FFR	3.00137 %



Gamma °	Flujo Zonal			
	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	7.53	7.53	0.75 %	0.75 %
10°	22.36	29.89	2.24 %	2.99 %
15°	36.44	66.33	3.64 %	6.63 %
20°	49.33	115.66	4.93 %	11.57 %
25°	60.58	176.25	6.06 %	17.63 %
30°	69.86	246.11	6.99 %	24.61 %
35°	76.87	322.97	7.69 %	32.30 %
40°	81.28	404.25	8.13 %	40.43 %
45°	83.08	487.33	8.31 %	48.73 %
50°	82.12	569.45	8.21 %	56.94 %
55°	78.52	647.97	7.85 %	64.80 %
60°	72.61	720.58	7.26 %	72.06 %
65°	64.78	785.36	6.48 %	78.54 %
70°	55.77	841.13	5.58 %	84.11 %
75°	46.10	887.23	4.61 %	88.72 %
80°	36.61	923.84	3.66 %	92.38 %
85°	27.63	951.48	2.76 %	95.15 %
90°	19.38	970.86	1.94 %	97.09 %
95°	12.15	983.00	1.21 %	98.30 %
100°	6.26	989.26	0.63 %	98.93 %
105°	2.55	991.81	0.25 %	99.18 %
110°	1.02	992.82	0.10 %	99.28 %
115°	0.71	993.54	0.07 %	99.35 %
120°	0.72	994.26	0.07 %	99.43 %
125°	0.72	994.98	0.07 %	99.50 %
130°	0.71	995.69	0.07 %	99.57 %
135°	0.69	996.38	0.07 %	99.64 %
140°	0.66	997.05	0.07 %	99.71 %
145°	0.62	997.67	0.06 %	99.77 %
150°	0.57	998.24	0.06 %	99.82 %
155°	0.51	998.74	0.05 %	99.88 %
160°	0.43	999.18	0.04 %	99.92 %
165°	0.35	999.52	0.03 %	99.95 %
170°	0.26	999.78	0.03 %	99.98 %
175°	0.16	999.94	0.02 %	99.99 %
180°	0.05	999.99	0.01 %	100.00 %

Luminaire

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Measurment

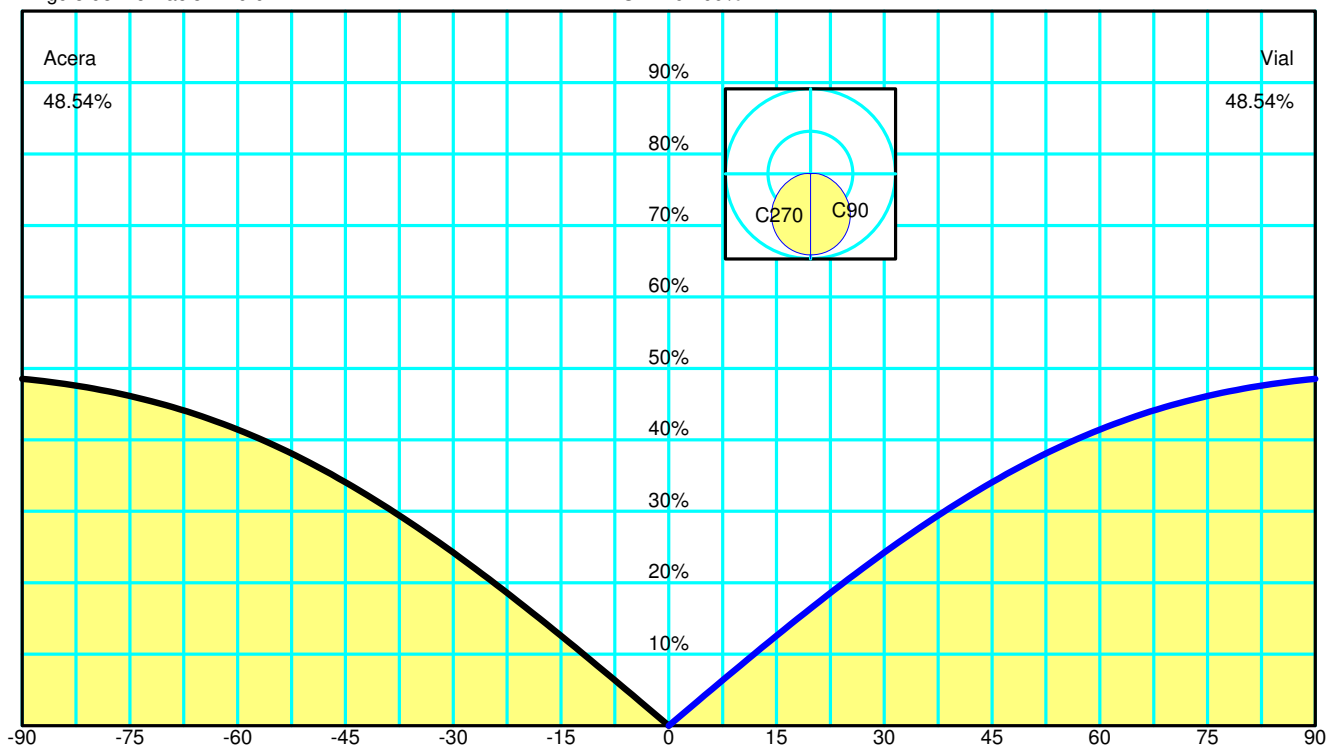
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Lamps Flux	532.60 lm	Maximum value	168.13 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Pavement			Road		
Piano	0	0.00%	Piano	0	0.00%
Piano	-5	4.24%	Piano	5	4.24%
Piano	-10	8.45%	Piano	10	8.45%
Piano	-15	12.58%	Piano	15	12.58%
Piano	-20	16.61%	Piano	20	16.61%
Piano	-25	20.50%	Piano	25	20.50%
Piano	-30	24.22%	Piano	30	24.22%
Piano	-35	27.74%	Piano	35	27.74%
Piano	-40	31.03%	Piano	40	31.03%
Piano	-45	34.06%	Piano	45	34.06%
Piano	-50	36.82%	Piano	50	36.82%
Piano	-55	39.28%	Piano	55	39.28%
Piano	-60	41.44%	Piano	60	41.44%
Piano	-65	43.29%	Piano	65	43.29%
Piano	-70	44.86%	Piano	70	44.86%
Piano	-75	46.13%	Piano	75	46.13%
Piano	-80	47.16%	Piano	80	47.16%
Piano	-85	47.96%	Piano	85	47.96%
Piano	-90	48.54%	Piano	90	48.54%

Ángulo de Inclinación = 0.0

DLOR = 97.09%

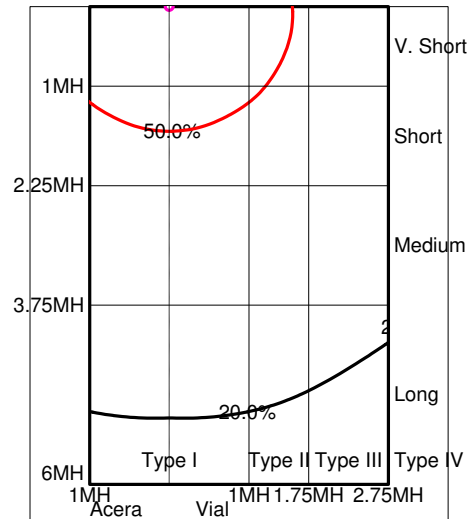
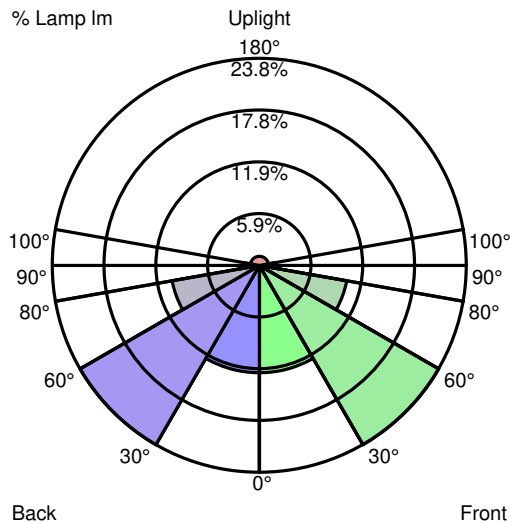


Spread	24.6° Estrecho	DLOR	97.08554 %
Throw	12.4° Corto	ULOR	2.91390 %
SLI (deslumbramiento)	Concentrado	Rendimiento	99.99944 %
Cutoff CIE	Semi Cutoff - Max: C=0.0° Gamma=0.0°	RN	2.91392 %
Cutoff lesna	Semi Cutoff	Clase de Intensidad Luminosa	G2
DIN5044	KB2	Índice de Deslumbramiento	D6
IESNA Type V Very Short Quadrilateral Symmetry			

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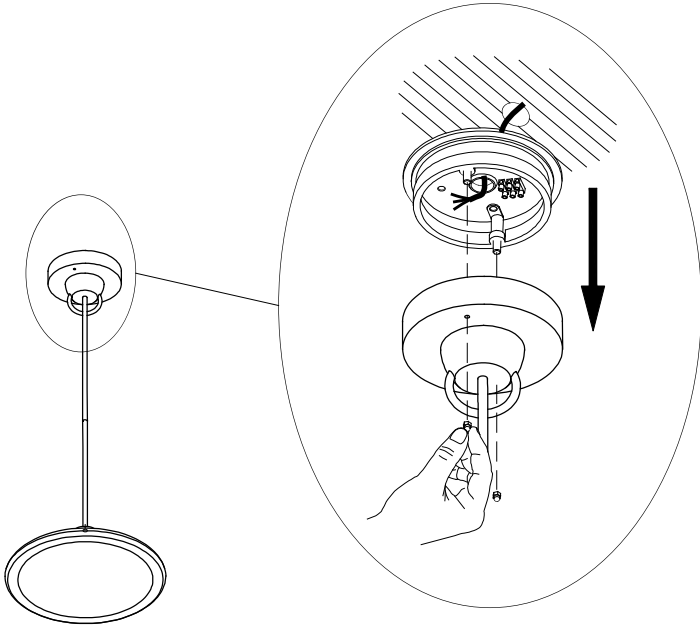
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US ROAD STANDARDS

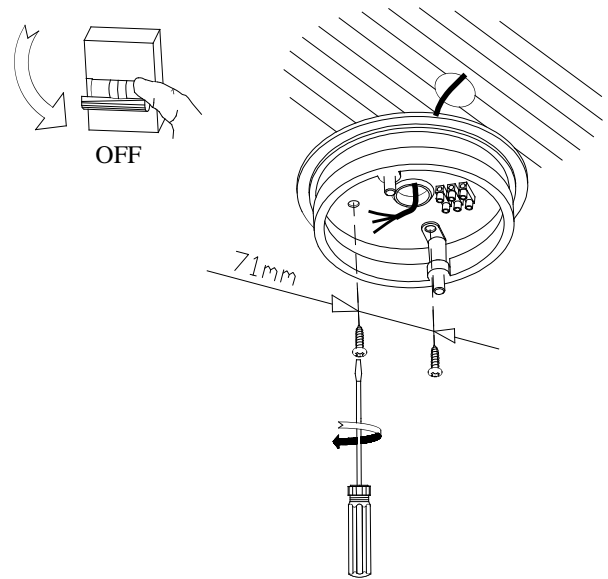


Luminaire Classification System (LCS)				
LCS Zone		Lumens	%Lamp	%Lum
FL	0° -- 30°	65.6 lm	12.3 %	12.3 %
FM	30° -- 60°	126.5 lm	23.8 %	23.8 %
FH	60° -- 80°	54.1 lm	10.2 %	10.2 %
FVH	80° -- 90°	12.5 lm	2.3 %	2.3 %
BL	0° -- 30°	65.6 lm	12.3 %	12.3 %
BM	30° -- 60°	126.5 lm	23.8 %	23.8 %
BH	60° -- 80°	54.1 lm	10.2 %	10.2 %
BVH	80° -- 90°	12.5 lm	2.3 %	2.3 %
UL	90° -- 100°	9.7 lm	1.8 %	1.8 %
UH	100° -- 180°	5.6 lm	1.0 %	1.0 %
TOTALS		532.6 lm	100.0 %	100.0 %
		BUG B0 U1 G1	Type V Very Short	Quadrilateral Symmetry

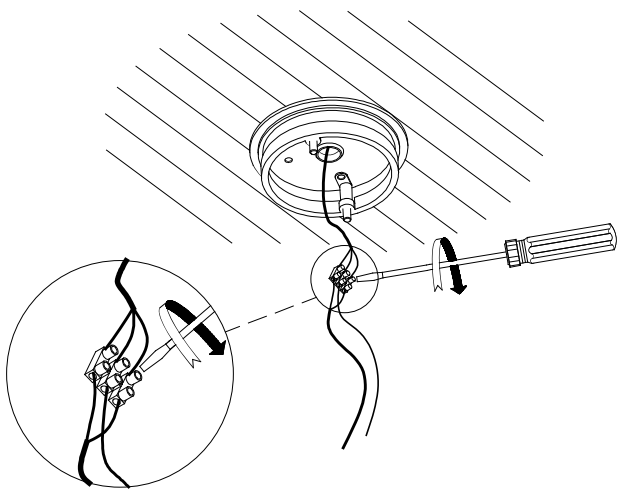
①



②



③



④

