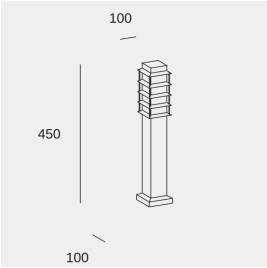
Installation Instructions
Photometry

Siljan

PX-0029-MAR

Bollard IP55 Siljan E27 15W Brown





TECHNICAL FEATURES

IP55 IK08

Luminaire total power : 15W

Structure material : Stainless steel AISI202

Structure finish : Brown

Diffuser material : Polycarbonate

Diffuser finish : Opal

Max. size of light bulb : 140/42 mm

Recommended light bulb : E27

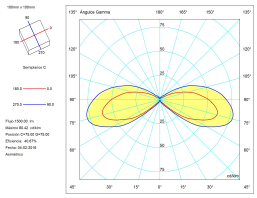
Voltage / frequency : 100-240V ~ 50/60Hz

Warranty : 5 Years

Easily recyclable luminaire

LUMINOTECHNIC FEATURES

Lampholder	Quantity	Light source power (W)	Correlated Colour Temperature (CCT)
E27	1	Max. power 15W	-



LOGISTICS

Net weight (kg): 1.04

Packaged weight (kg): 1.23

Packaging: 120mm x 120mm x 460mm

12 Un

LIGHT APPLICATION

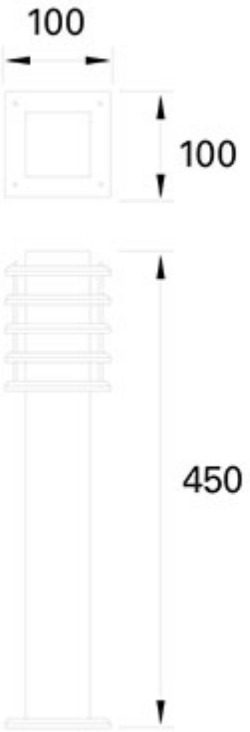


Image may not match reference. LEDS C4 reserves the right to amend any of the product's components. The data related to flux, power and colour temperature are subject to a tolerance of ±10%.

Luminaire
Code PX-0029-MAR
Name Baliza SILJAN 23W TC-TSE E27
Measurem.
Code PX-0029-MAR
Name Baliza SILJAN 23W TC-TSE E27

Luminaire Flux	609.99 lm	Luminaire Power	23.00 W	Efficacy	26.52 lm/W	Efficiency	40.67%
Lamps Flux	1500.00 lm	Maximum value	120.63 cd	Position	C=75.00 G=75.00	CG	Asymmetrical

Rectangular Luminaire	Length	100 mm	Width	100 mm	Height	450 mm
Rectangular Luminous Area	Length	50 mm	Width	50 mm	Height	50 mm
Horizontal Luminous Area	0.002500 m2		Emitting area on Plane 180°		0.002500 m2	
Emitting area on Plane 0°	0.002500 m2		Emitting area on Plane 270°		0.002500 m2	
Emitting area on Plane 90°	0.002500 m2		Glare area at 76°		0.003031 m2	

Coordinate system	CG	Symmetry Type	Asymmetrical
Date	04-02-2016	Maximum Gamma Angle	180
Measurement Distance	0.00	Measurement Flux	1500.00 lm

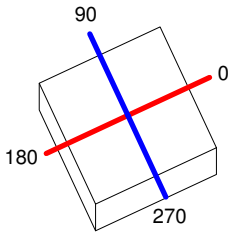
Operator	Asselum	Source Voltage [V]	
Temperature	25.00 °C	Source current [A]	
Humidity	60.00 %	Photocell	
Notes			

Luminaire Lamps

Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty
	DELN2341	DELN2341	1500.00	23.00	1

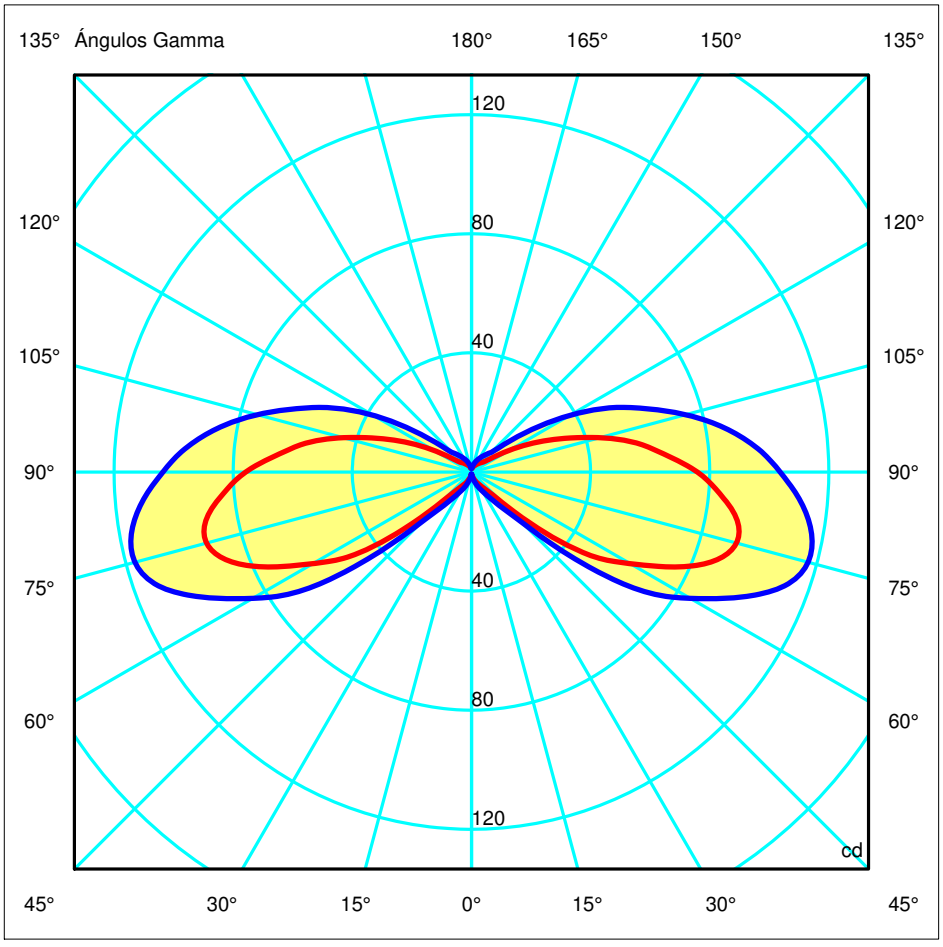
C.I.E.	4 22 60 64 41	D DIN 5040	B11
F UTE	--	B NBN	BZ 10

100mm x 100mm



Semiplanos C

180.0 0.0
270.0 90.0

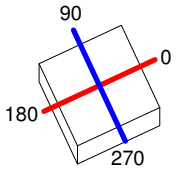


ULOR	14.81 %
DLOR	25.86 %
RN	36.41 %

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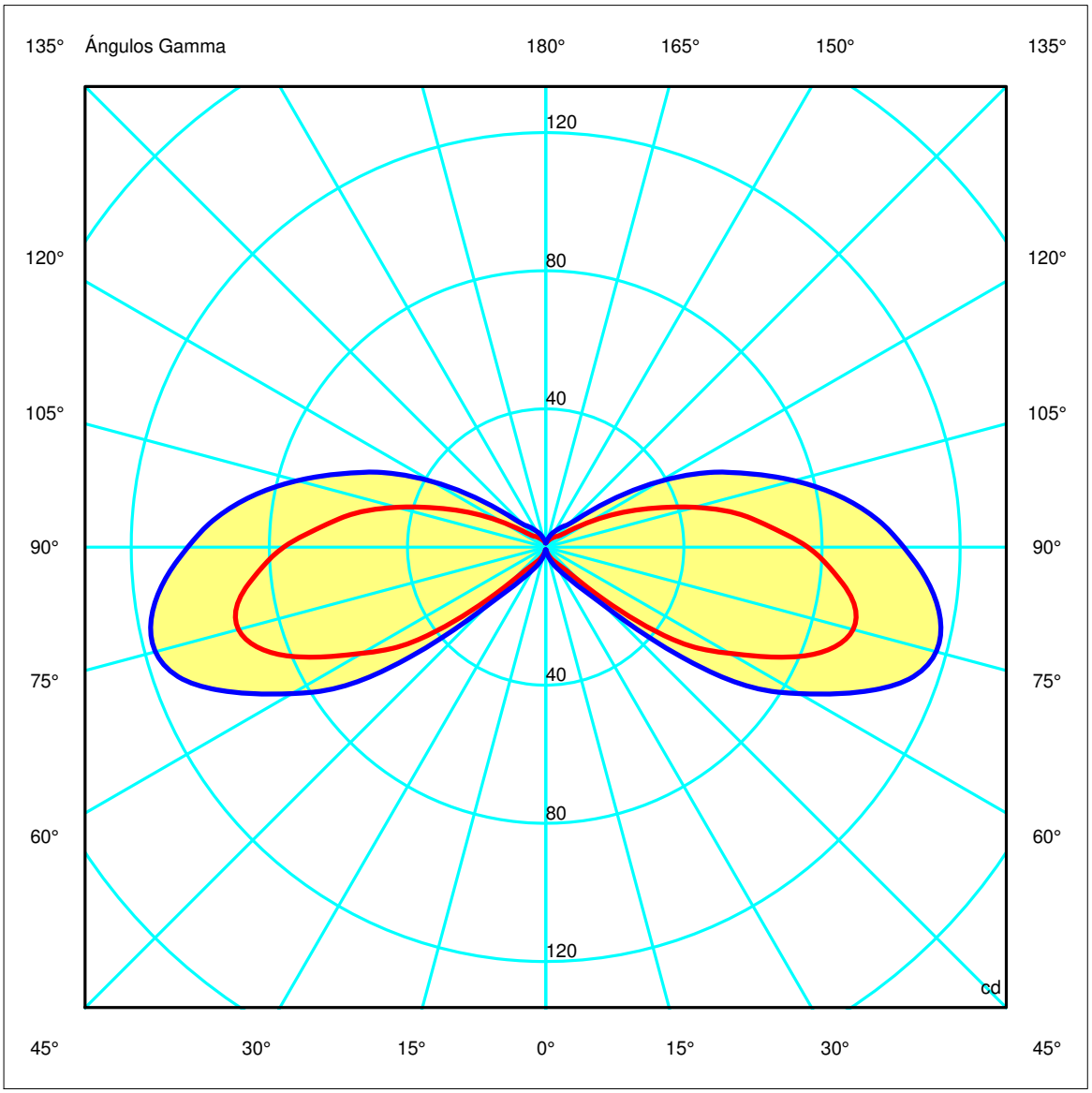
100mm x 100mm



Semiplanos C

180.0 0.0

270.0 90.0



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Apertura a la izquierda no hallada, gamma =-76

Apertura a la izquierda no hallada, gamma =-76

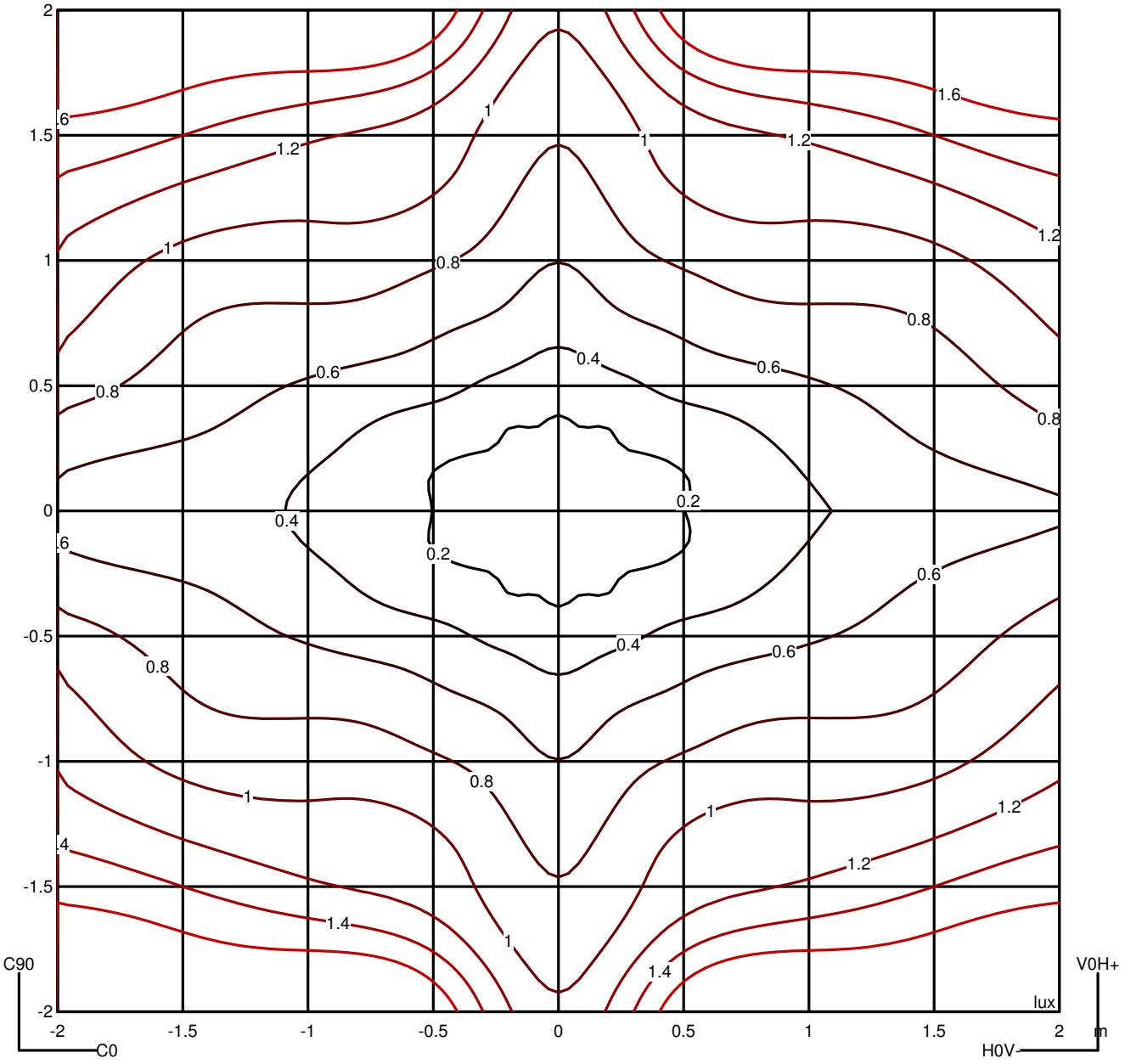
Apertura a la izquierda no hallada, gamma =-76

Luminaire
Code PX-0029-MAR
Name Baliza SILJAN 23W TC-TSE E27
Measurem.
Code PX-0029-MAR
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Isolux (Floor)

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



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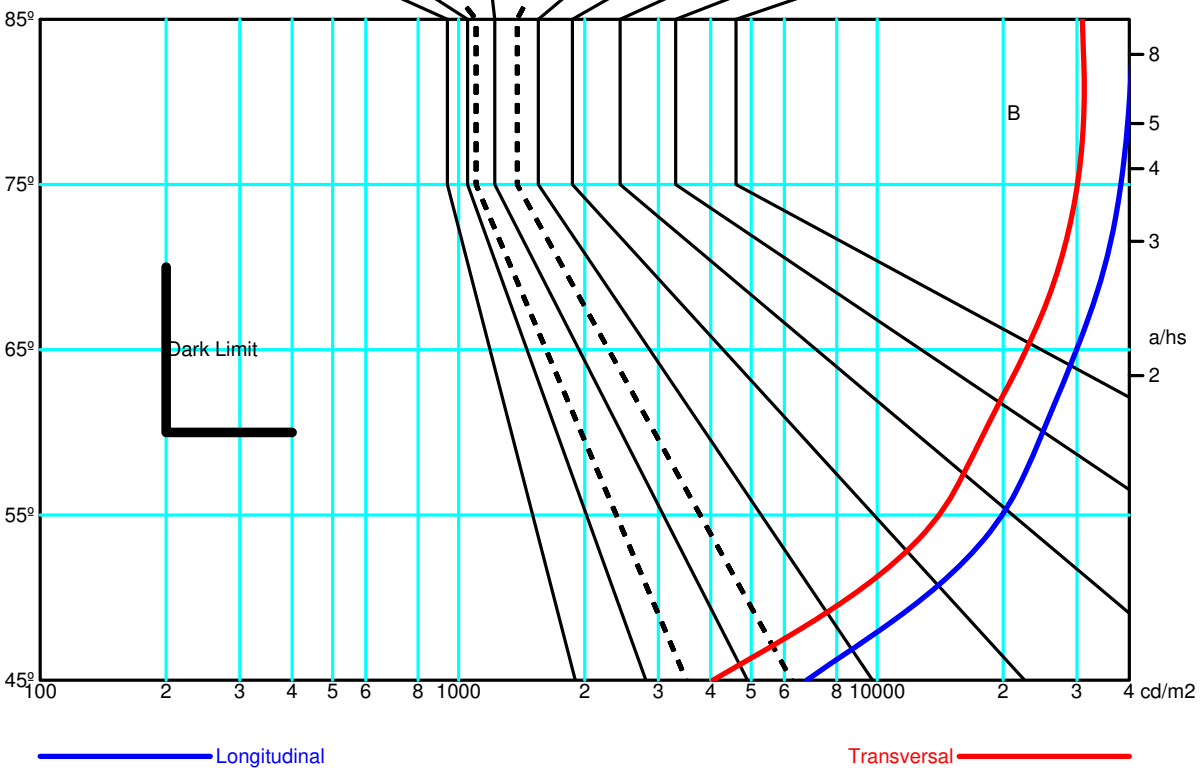
Luminaire Flux	609.99 lm	Luminaire Power	23.00 W	Efficacy	26.52 lm/W	Efficiency	40.67%
Lamps Flux	1500.00 lm	Maximum value	120.63 cd	Position	C=75.00 G=75.00	CG	Asymmetrical

Average Luminance [cd/m²]

	45°	50°	55°	60°	65°	70°	75°	80°	85°	
0.0°	4051	8556	14052	18008	22695	27152	30070	31208	30894	---
90.0°	6787	12904	19889	24845	29935	34911	38199	40015	40897	---

Flujo montado o vista transversal

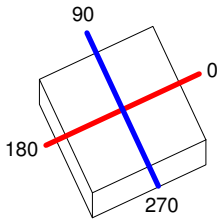
		Iluminancia (lx)										
A	A	2000	1000	750	500		<300					1.15
B	1		2000	1500	1000	750	500	<300				1.5
C					2000		1000	500	<300			1.85
D	2						2000	1000	500	<300		2.2
E	3							2000	1000	500	<300	2.55



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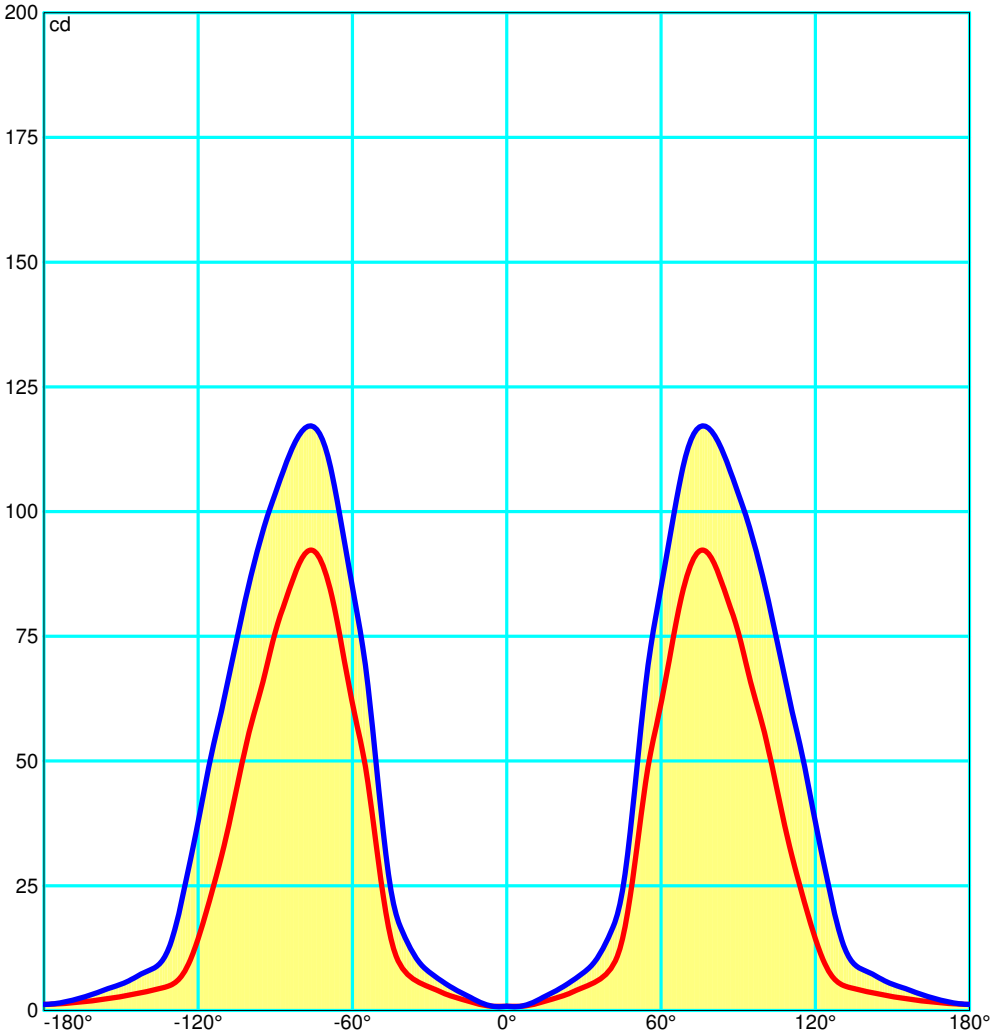
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Lamps Flux	1500.00 lm	Maximum value	120.63 cd	Position	C=75.00 G=75.00	CG	Asymmetrical

100mm x 100mm



Semiplanos C

180.0 0.0
270.0 90.0



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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	18.4	19.7	19.2	20.6	24.0	20.9	22.1	21.6	23.0	24.0
x=2H y=3H	23.0	24.2	23.8	25.0	28.3	25.2	26.4	26.0	27.2	28.3
x=2H y=4H	25.1	26.2	25.9	27.1	30.2	27.1	28.3	27.9	29.1	30.2
x=2H y=6H	26.9	28.0	27.8	28.9	31.9	28.9	30.0	29.7	30.8	31.9
x=2H y=8H	27.7	28.8	28.6	29.6	32.6	29.7	30.7	30.5	31.6	32.6
x=2H y=12H	28.5	29.5	29.3	30.3	33.4	30.4	31.4	31.2	32.3	33.4
x=4H y=2H	20.5	21.7	21.3	22.5	25.0	21.9	23.1	22.7	23.9	25.0
x=4H y=3H	24.5	25.5	25.3	26.4	29.2	26.2	27.2	27.1	28.1	29.2
x=4H y=4H	26.5	27.4	27.4	28.3	31.3	28.3	29.2	29.1	30.1	31.3
x=4H y=6H	28.4	29.2	29.2	30.1	33.0	30.2	31.0	31.0	31.9	33.0
x=4H y=8H	29.2	30.0	30.1	30.9	33.9	31.1	31.8	31.9	32.7	33.9
x=4H y=12H	30.0	30.7	30.9	31.7	34.7	31.9	32.6	32.7	33.5	34.7
x=8H y=4H	27.5	28.3	28.4	29.2	31.7	28.8	29.6	29.7	30.5	31.7
x=8H y=6H	29.4	30.1	30.3	31.0	33.7	30.9	31.6	31.8	32.5	33.7
x=8H y=8H	30.3	31.0	31.2	31.9	34.6	31.9	32.5	32.8	33.4	34.6
x=8H y=12H	31.3	31.8	32.2	32.8	35.6	32.9	33.5	33.8	34.4	35.6
x=12H y=4H	27.7	28.4	28.6	29.3	31.7	28.9	29.6	29.8	30.5	31.7
x=12H y=6H	29.7	30.3	30.6	31.3	33.8	31.1	31.7	32.0	32.6	33.8
x=12H y=8H	30.7	31.3	31.7	32.2	34.8	32.2	32.7	33.1	33.7	34.8

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Flujo Total=1500.00 Flujo Luminaria=609.99

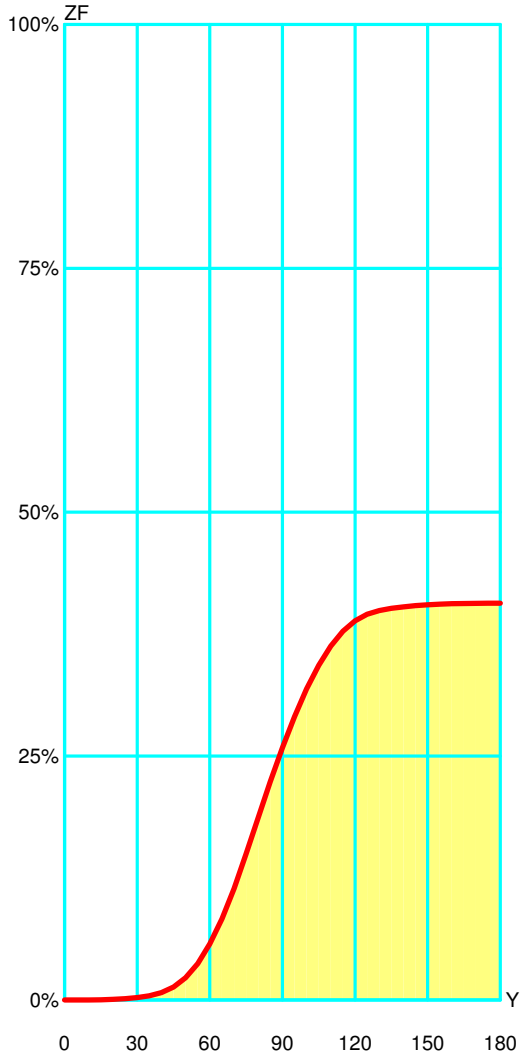
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.02	0.05	0.09	0.13	0.18	0.26	0.33	0.39	0.48	0.54	0.71	0.83
RC	-	-	-	-	-	-	-	-	-	-	-	-

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)	0	1	2	8	23	57	114	187	259	319	363	389	399	403	405	406	407	407

Códigos de Flujo C.I.E.
4 22 60 64 41

C.I.E.	-/-/-/-/-/-/-/-/-/-/-	LOR	40.66582 %
D DIN 5040	B11	ULOR	14.80649 %
F UTE	--	DLOR	25.85933 %
B NBN	BZ 10	UFF	36.41015 %
RN	36.41015 %	DFF	63.58985 %
BLF	1.0	FFR	57.25781 %

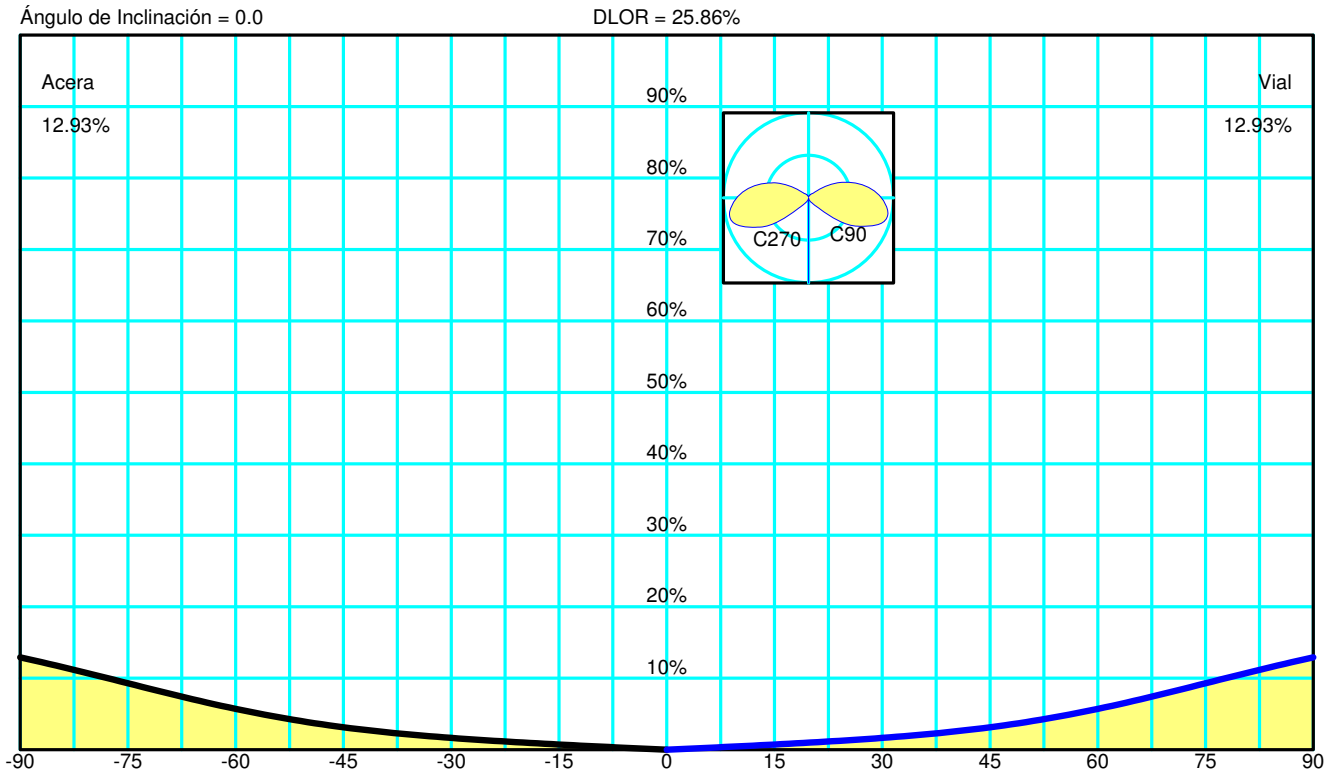


Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	0.01	0.01	0.00 %	0.00 %
10°	0.05	0.07	0.01 %	0.02 %
15°	0.16	0.23	0.04 %	0.06 %
20°	0.37	0.60	0.09 %	0.15 %
25°	0.69	1.29	0.17 %	0.32 %
30°	1.17	2.46	0.29 %	0.60 %
35°	1.87	4.33	0.46 %	1.07 %
40°	3.25	7.58	0.80 %	1.86 %
45°	5.72	13.30	1.41 %	3.27 %
50°	9.50	22.80	2.34 %	5.61 %
55°	14.50	37.30	3.57 %	9.17 %
60°	20.05	57.35	4.93 %	14.10 %
65°	25.68	83.03	6.32 %	20.42 %
70°	31.21	114.24	7.67 %	28.09 %
75°	35.51	149.76	8.73 %	36.83 %
80°	37.28	187.04	9.17 %	45.99 %
85°	36.74	223.78	9.03 %	55.03 %
90°	34.82	258.59	8.56 %	63.59 %
95°	31.93	290.52	7.85 %	71.44 %
100°	28.34	318.86	6.97 %	78.41 %
105°	24.23	343.09	5.96 %	84.37 %
110°	19.72	362.80	4.85 %	89.22 %
115°	15.12	377.93	3.72 %	92.94 %
120°	10.69	388.62	2.63 %	95.56 %
125°	6.78	395.39	1.67 %	97.23 %
130°	3.85	399.24	0.95 %	98.18 %
135°	2.21	401.46	0.54 %	98.72 %
140°	1.56	403.01	0.38 %	99.10 %
145°	1.19	404.20	0.29 %	99.40 %
150°	0.88	405.08	0.22 %	99.61 %
155°	0.63	405.71	0.15 %	99.77 %
160°	0.43	406.14	0.11 %	99.87 %
165°	0.27	406.41	0.07 %	99.94 %
170°	0.15	406.57	0.04 %	99.98 %
175°	0.07	406.64	0.02 %	100.00 %
180°	0.02	406.66	0.00 %	100.00 %

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Pavement			Road		
Piano	0	0.00%	Piano	0	0.00%
Piano	-5	0.23%	Piano	5	0.23%
Piano	-10	0.47%	Piano	10	0.47%
Piano	-15	0.72%	Piano	15	0.72%
Piano	-20	1.00%	Piano	20	1.00%
Piano	-25	1.30%	Piano	25	1.30%
Piano	-30	1.65%	Piano	30	1.65%
Piano	-35	2.05%	Piano	35	2.05%
Piano	-40	2.54%	Piano	40	2.54%
Piano	-45	3.14%	Piano	45	3.14%
Piano	-50	3.86%	Piano	50	3.86%
Piano	-55	4.72%	Piano	55	4.72%
Piano	-60	5.71%	Piano	60	5.71%
Piano	-65	6.82%	Piano	65	6.82%
Piano	-70	8.03%	Piano	70	8.03%
Piano	-75	9.29%	Piano	75	9.29%
Piano	-80	10.55%	Piano	80	10.55%
Piano	-85	11.77%	Piano	85	11.77%
Piano	-90	12.93%	Piano	90	12.93%



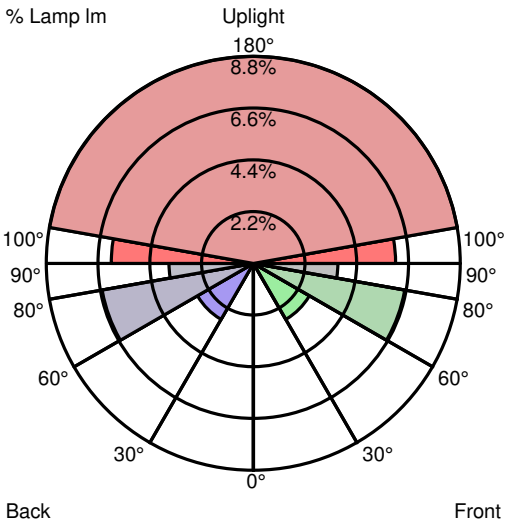
Spread	88.2° Ancho	DLOR	25.85933 %
Throw	77.9° Largo	ULOR	14.80649 %
SLI (deslumbramiento)	4.4 Concentrado	Rendimiento	40.66582 %
Cutoff CIE	No Cutoff - Max: C=75.0° Gamma=75.0°	RN	36.41015 %
Cutoff Iesna	No Cutoff	Clase de Intensidad Luminosa	GU
DIN5044	--	Índice de Deslumbramiento	D4

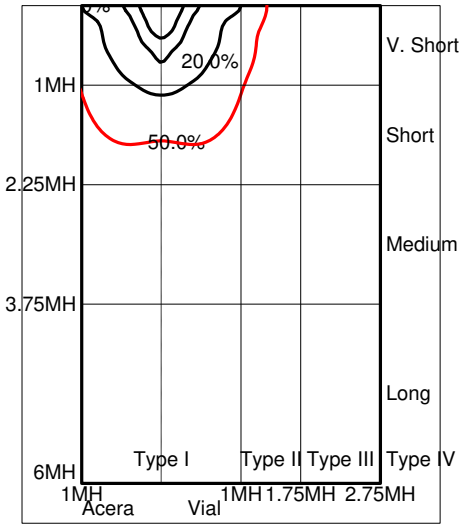
IESNA Type II Very Short Asymmetrical

Luminaire
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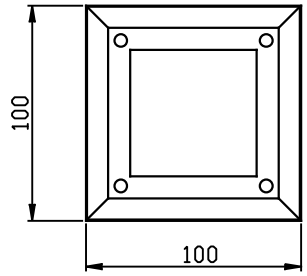
US ROAD STANDARDS

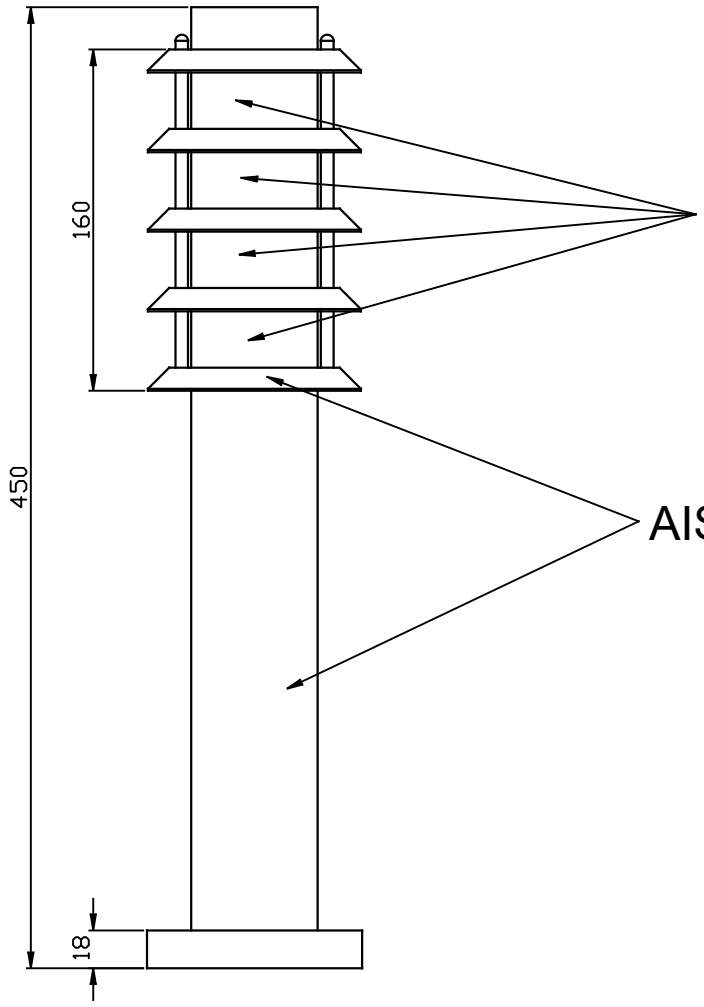


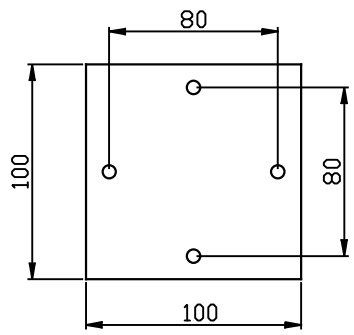


Luminaire Classification System (LCS)				
LCS Zone		Lumens	%Lamp	%Lum
FL	0° -- 30°	1.8 lm	0.1 %	0.3 %
FM	30° -- 60°	41.0 lm	2.7 %	6.7 %
FH	60° -- 80°	97.6 lm	6.5 %	16.0 %
FVH	80° -- 90°	53.6 lm	3.6 %	8.8 %
BL	0° -- 30°	1.8 lm	0.1 %	0.3 %
BM	30° -- 60°	41.0 lm	2.7 %	6.7 %
BH	60° -- 80°	97.6 lm	6.5 %	16.0 %
BVH	80° -- 90°	53.6 lm	3.6 %	8.8 %
UL	90° -- 100°	90.3 lm	6.0 %	14.8 %
UH	100° -- 180°	131.5 lm	8.8 %	21.6 %
TOTALS		610.0 lm	40.7 %	100.0 %
BUG B0 U3 G1 Type II Very Short Asymmetrical				

PX-0029





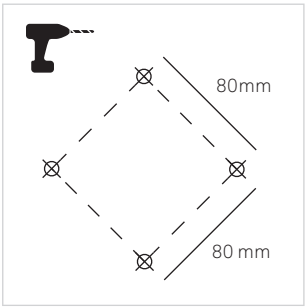


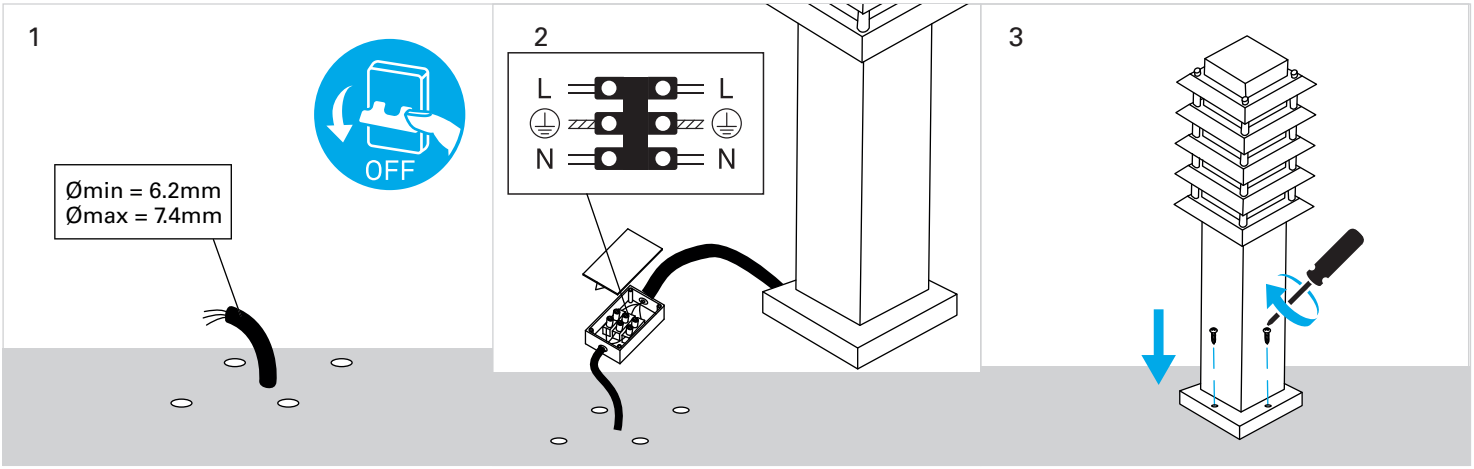
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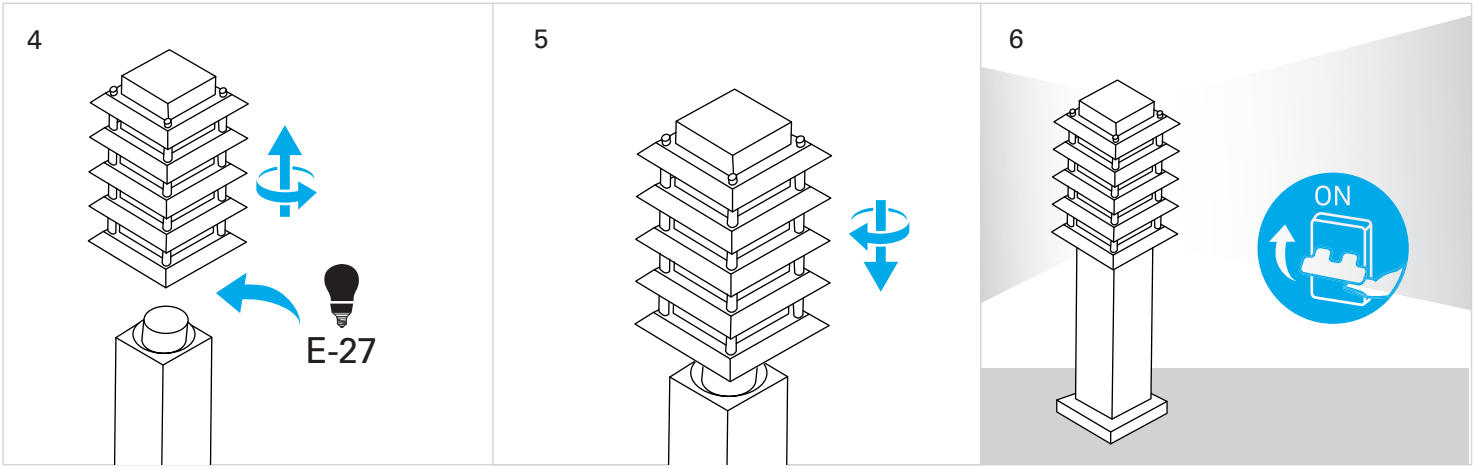
Siljan

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09-12-2021