



Siljan

PX-0029-MAR

Bollard IP55 Siljan E27 15W Brown



TECHNICAL FEATURES

IP55 IK08



Luminaire total power : 15W

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

Structure material : Stainless steel AISI202

Warranty : 5 Years

Structure finish : Brown

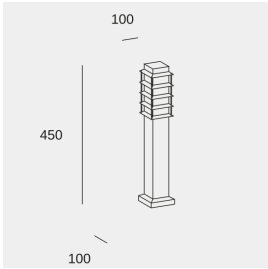
Easily recyclable luminaire

Diffuser material : Polycarbonate

Diffuser finish : Opal

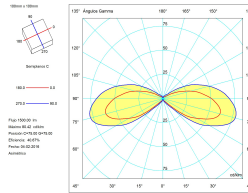
Max. size of light bulb : 140/42 mm

Recommended light bulb : E27



LUMINOTECHNIC FEATURES

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



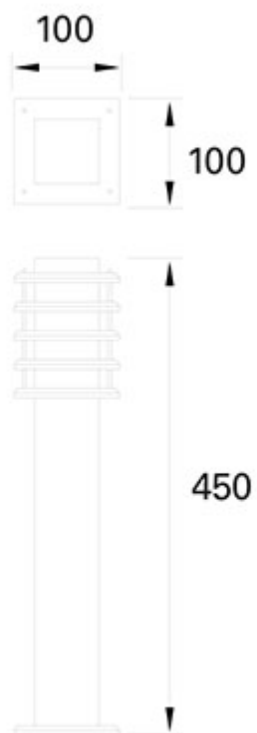
LOGISTICS

Net weight (kg): 1.04

Packaged weight (kg): 1.23

Packaging: 120mm x 120mm x 460mm





Luminaire

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

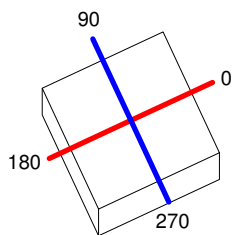
Measurement

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 Rectangular Luminous Area	Length Length	100 mm 50 mm	Width Width	100 mm 50 mm	Height Height	450 mm 50 mm	
Horizontal Luminous Area Emitting area on Plane 0° Emitting area on Plane 90°	0.002500 m2 0.002500 m2 0.002500 m2		Emitting area on Plane 180° Emitting area on Plane 270° Glare area at 76°	0.002500 m2 0.002500 m2 0.003031 m2			
Coordinate system Date Measurement Distance	CG 04-02-2016 0.00		Symmetry Type Maximum Gamma Angle Measurement Flux	Asymmetrical 180 1500.00 lm			
Operator Temperature Humidity Notes	Asselum 25.00 °C 60.00 %		Source Voltage [V] Source current [A] Photocell				

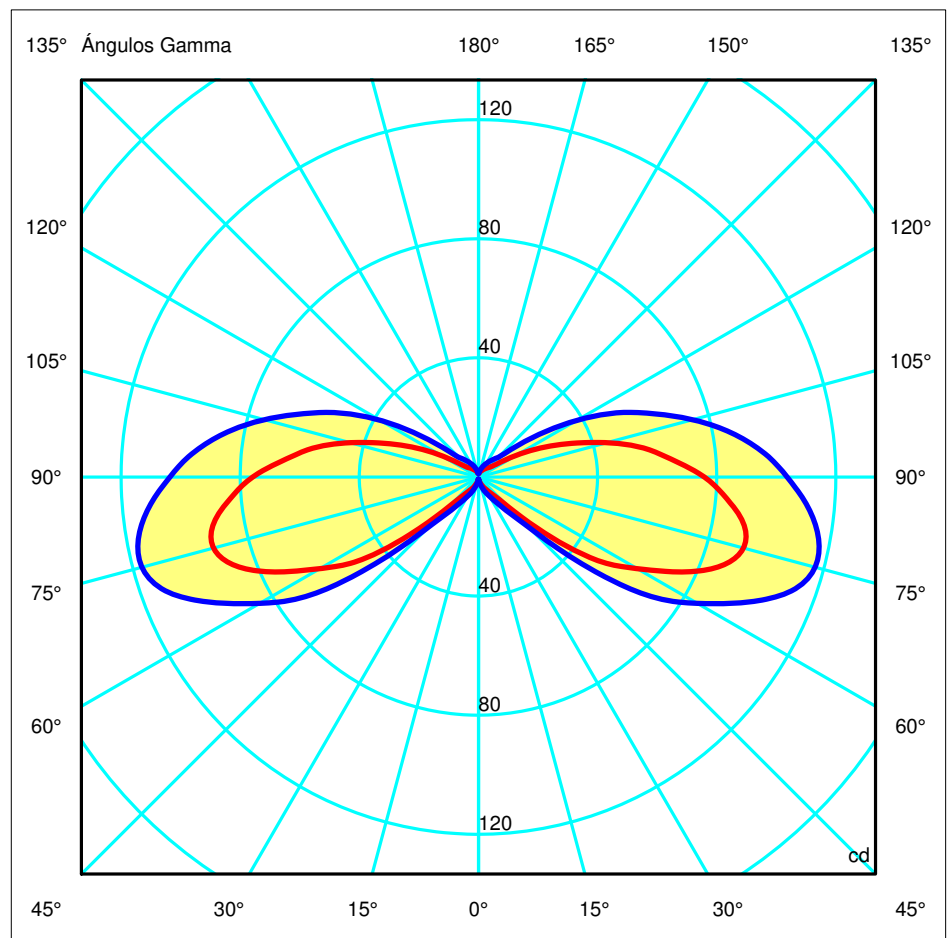
Line	Code	Luminaire Lamps Name	Flux [lm]	Pow. [W]	Q.ty
	DELN2341	DELN2341	1500.00	23.00	1
C.I.E. F UTE	4 22 60 64 41 --	D DIN 5040 B NBN	B11 BZ 10		

100mm x 100mm



Semiplanos C
 180.0 — 0.0
 270.0 — 90.0

ULOR 14.81 %
 DLOR 25.86 %
 RN 36.41 %



Luminaire

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Measurem.

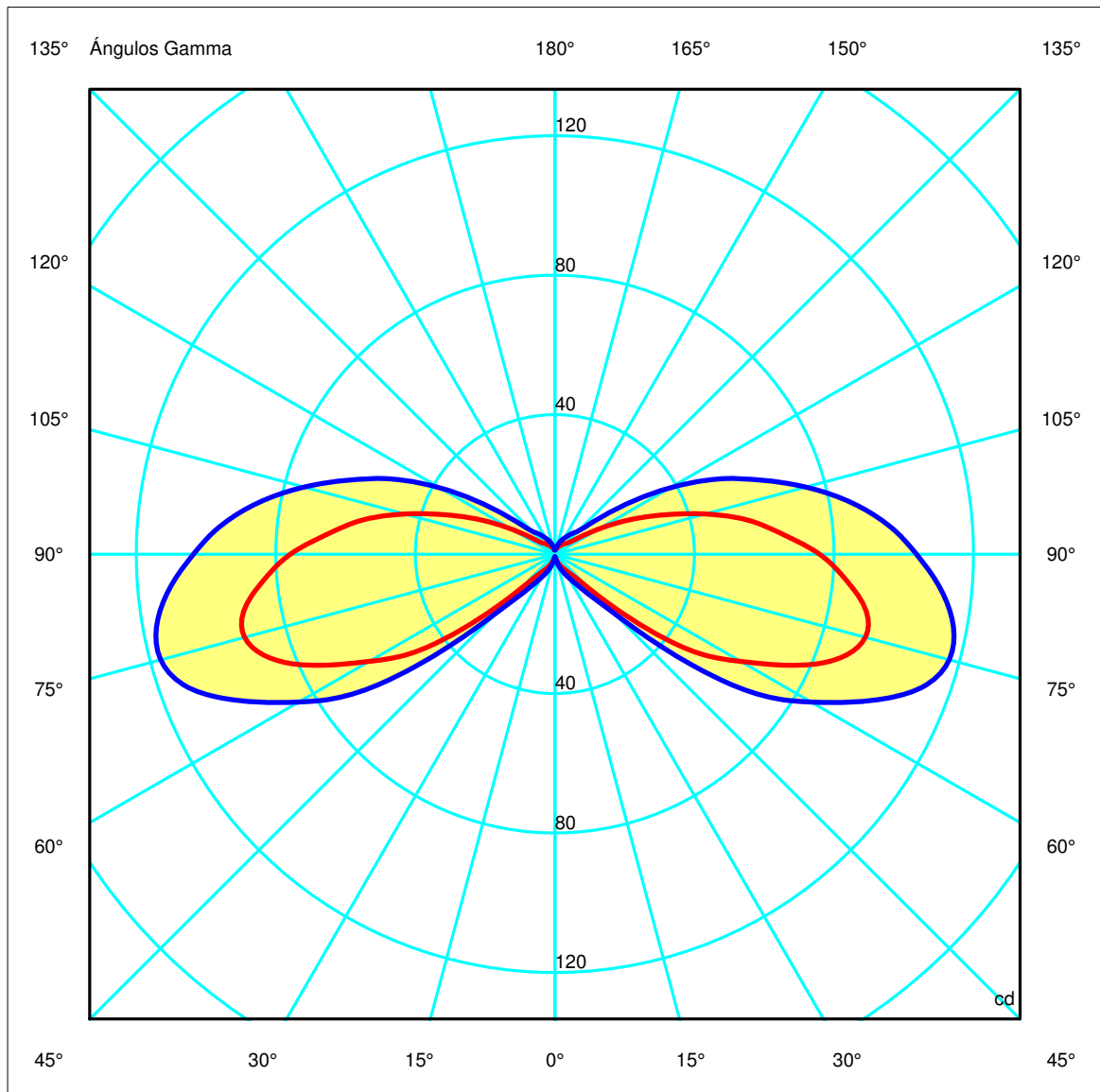
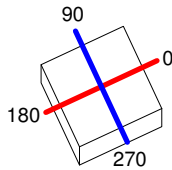
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100mm x 100mm

Semiplanos C

180.0 ——— 0.0
 270.0 ——— 90.0



LuminaireCode PX-0029-MAR
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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

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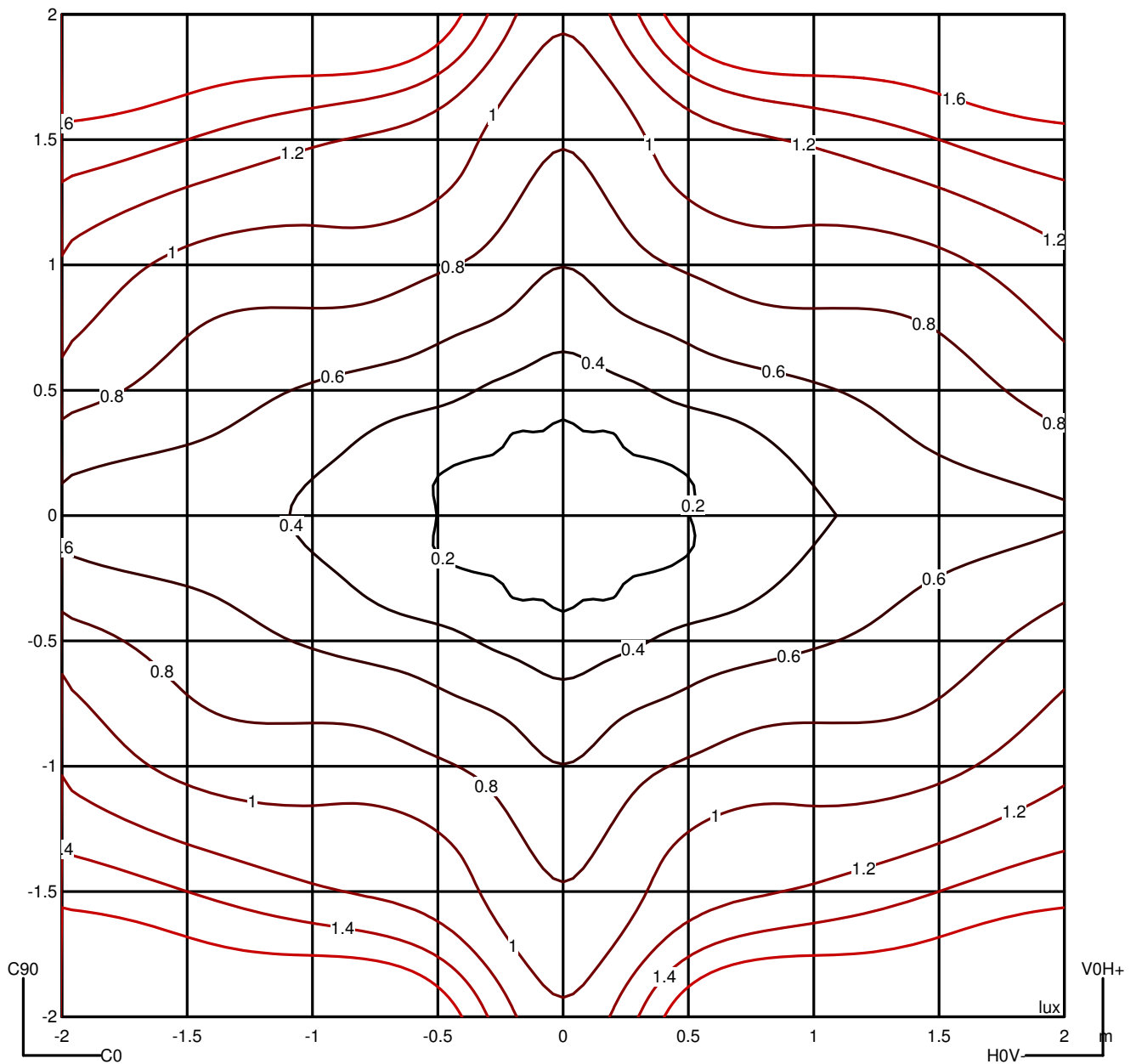
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Isolux (Floor)

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



Luminaire

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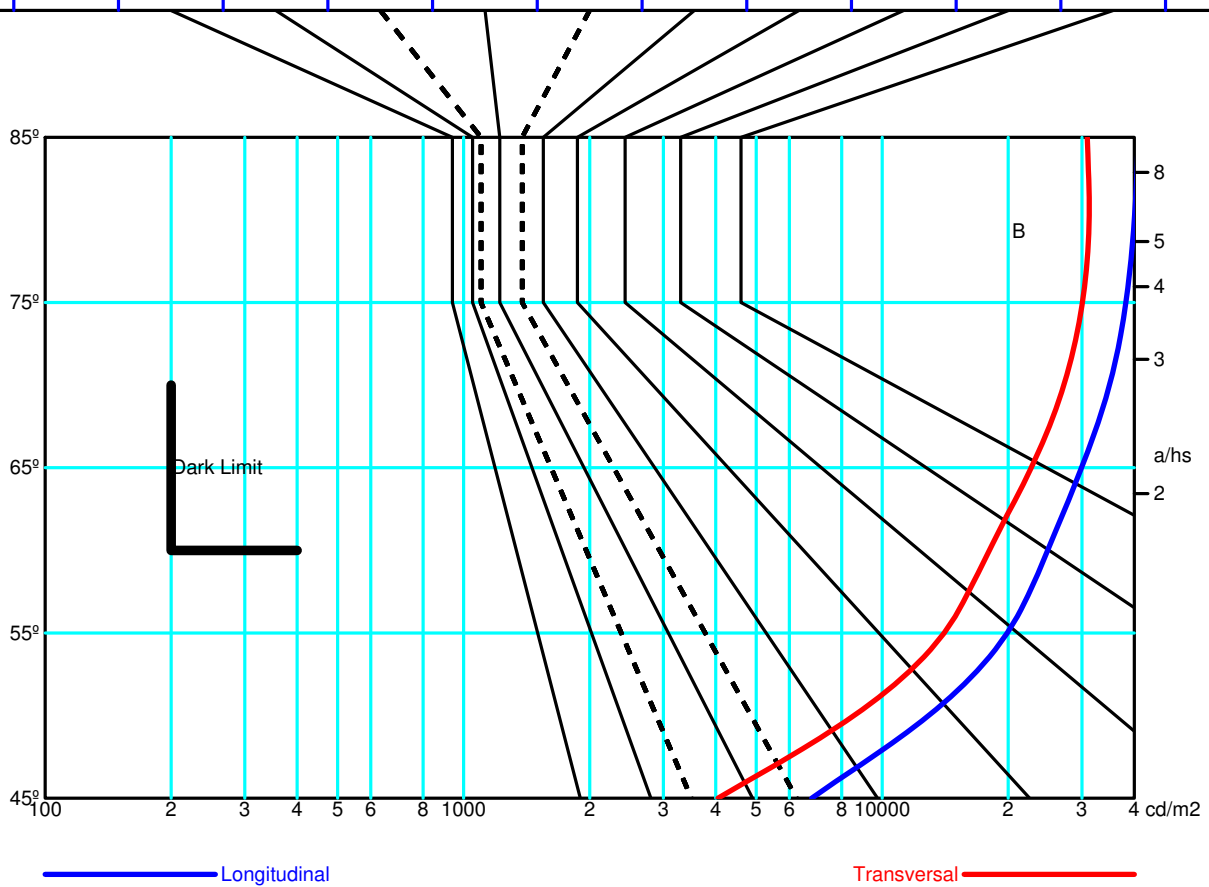
Measurerm.

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		Average Luminance [cd/m ²]									
		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



Luminaire

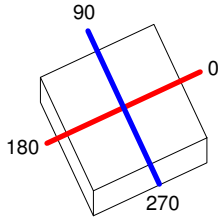
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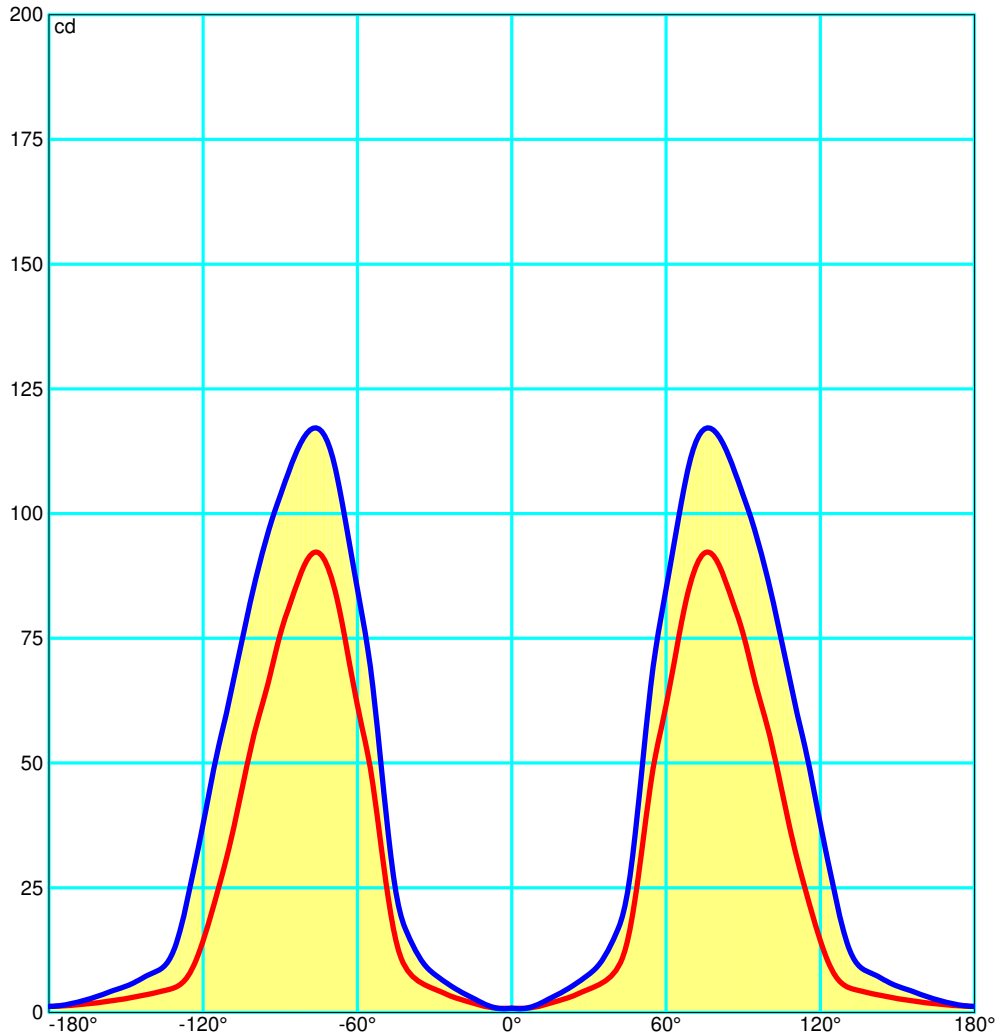
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100mm x 100mm



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	-	-	-	-	-	-	-	-	-	-	-	-

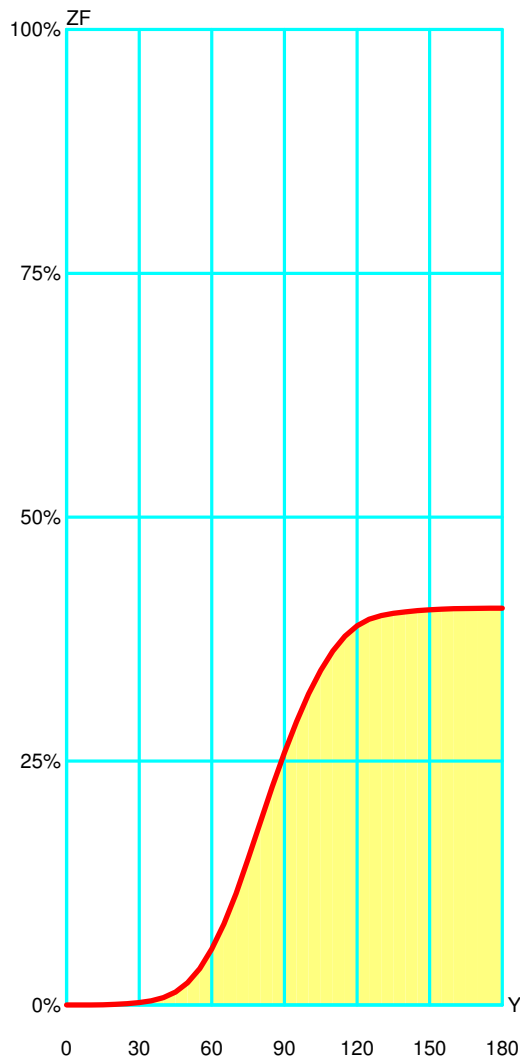
Flujo Zonal por 1000 Lúmenes

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 %



Gamma °	Flujo Zonal			
	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%

Luminaire

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

Measurment

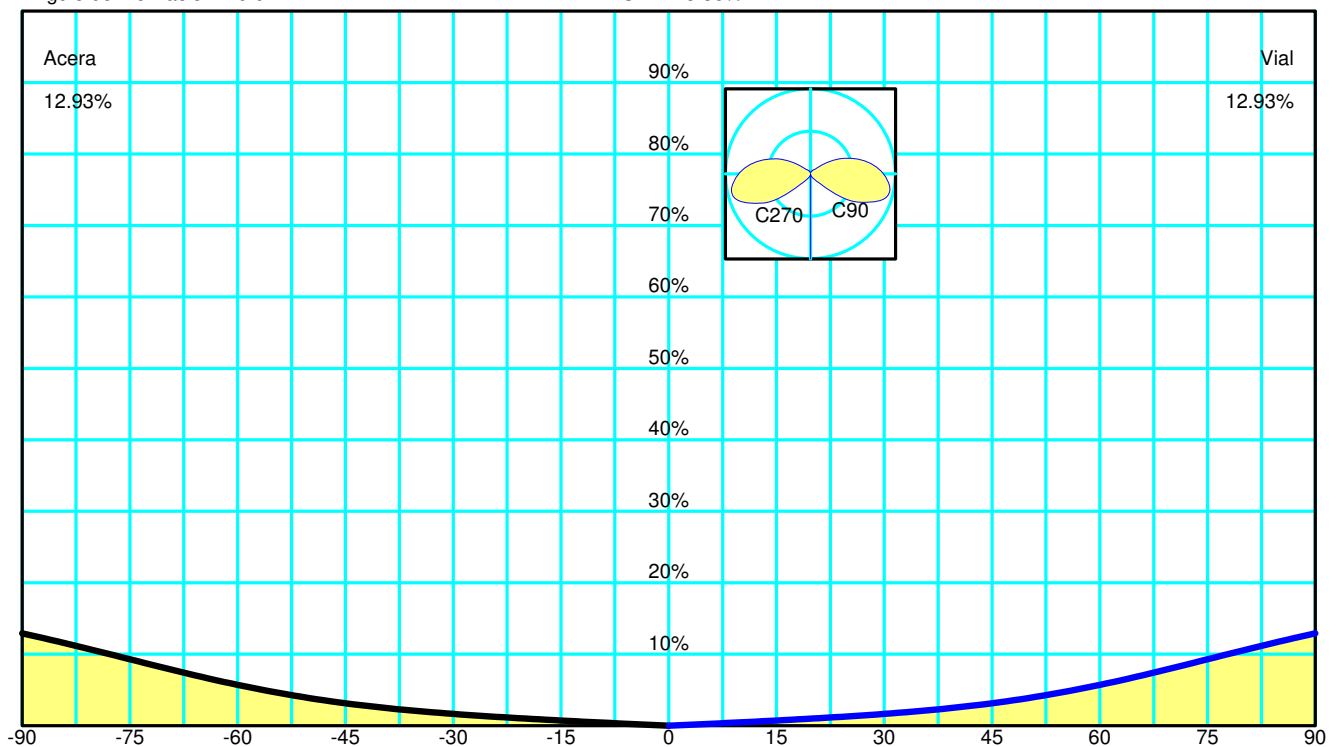
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Lamps Flux	1500.00 lm	Maximum value	120.63 cd	Position	C=75.00 G=75.00	CG	Asymmetrical

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%

Ángulo de Inclinación = 0.0

DLOR = 25.86%

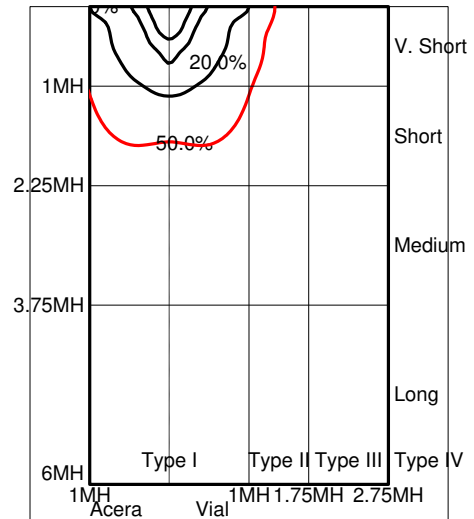
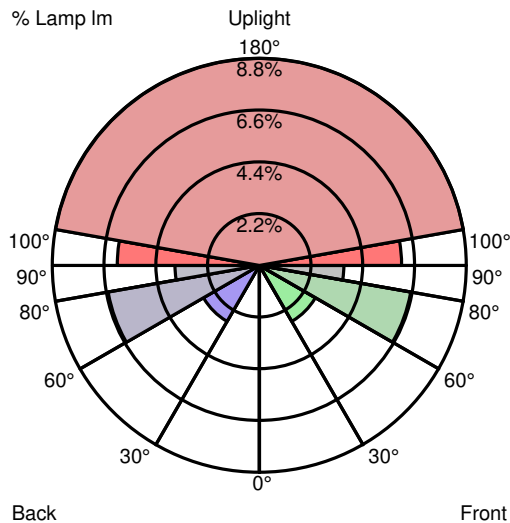


Spread	88.2° Ancho	DLOR	25.85933 %
Throw	77.9° Largo	ULOR	14.80649 %
SLI (deslumbramiento)	Concentrado	Rendimiento	40.66582 %
Cutoff CIE	No Cutoff - Max: C=75.0° Gamma=75.0°	RN	36.41015 %
Cutoff lesna	No Cutoff	Clase de Intensidad Luminosa	GU
DIN5044	--	Índice de Deslumbramiento	D4
IESNA Type II Very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

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Measuram.
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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			

