



**Koral 450mm**

**PX-0099-ANT**

Bollard IP55 Koral 450mm E27 15W Urban grey



**TECHNICAL FEATURES**

IP55 IK09



Luminaire total power : 15W

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

Structure material : Stainless steel AISI202

Warranty : 5 Years

Structure finish : Urban grey

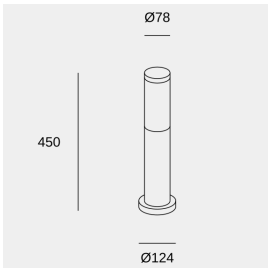
Easily recyclable luminaire

Diffuser material : Polycarbonate

Diffuser finish : Opal

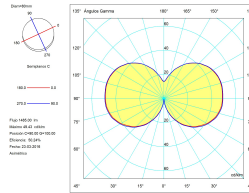
Max. size of light bulb : 167/55 mm

Recommended light bulb : E27



**LUMINOTECHNIC FEATURES**

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



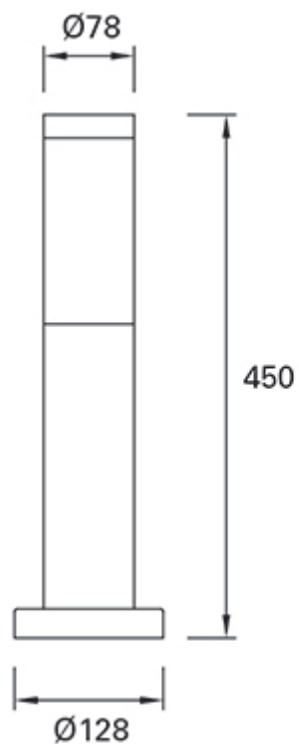
**LOGISTICS**

Net weight (kg): 0.69

Packaged weight (kg): 0.96

Packaging: 135mm x 135mm x 460mm

4 Un



**Luminaire**

Code PX-0099-ANT  
 Name Baliza KORAL 1x23W E27 CFL

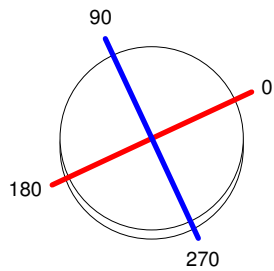
**Measurement**

Code PX-0099-BLA  
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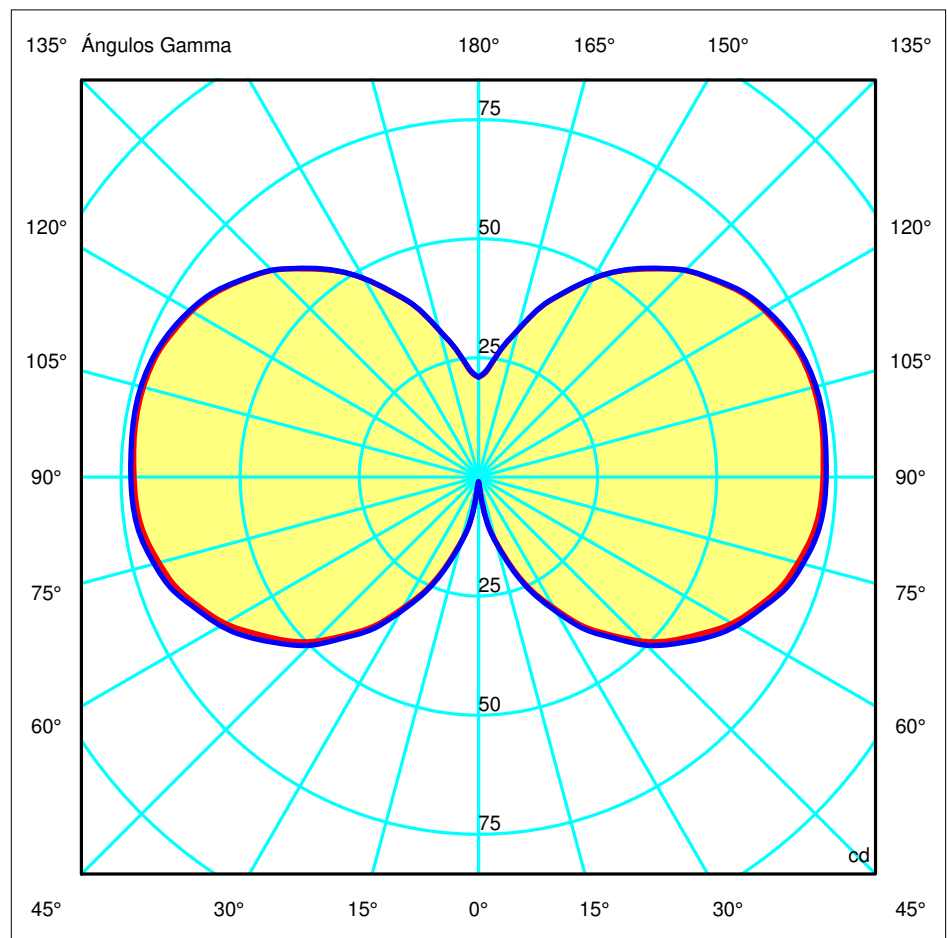
Luminaire Flux	746.08 lm	Luminaire Power	23.00 W	Efficacy	32.44 lm/W	Efficiency	50.24%
Lamps Flux	1485.00 lm	Maximum value	73.40 cd	Position	C=90.00 G=100.00	CG	Asymmetrical
Round Luminaire Round Luminous Area		Diam. Diam.	80 mm 80 mm	Height Height	450 mm 160 mm		
Horizontal Luminous Area Emitting area on Plane 0° Emitting area on Plane 90°		0.005027 m2 0.012800 m2 0.012800 m2		Emitting area on Plane 180° Emitting area on Plane 270° Glare area at 76°		0.012800 m2 0.012800 m2 0.013636 m2	
Coordinate system Date Measurement Distance		CG 23-03-2016 0.00		Symmetry Type Maximum Gamma Angle Measurement Flux		Asymmetrical 180 1485.00 lm	
Operator Temperature Humidity Notes		Asselum T2 25.00 °C 60.00 %		Source Voltage [V] Source current [A] Photocell			

Line	Code	Luminaire Lamps Name	Flux [lm]	Pow. [W]	Q.ty
	PL ELEC23W/827 E27	PL ELEC23W/827 E27	1485.00	23.00	1
C.I.E. F UTE	13 38 68 46 50 --	D DIN 5040 B NBN	C12 BZ 10		

Diam=80mm



ULOR 26.90 %  
 DLOR 23.34 %  
 RN 53.55 %



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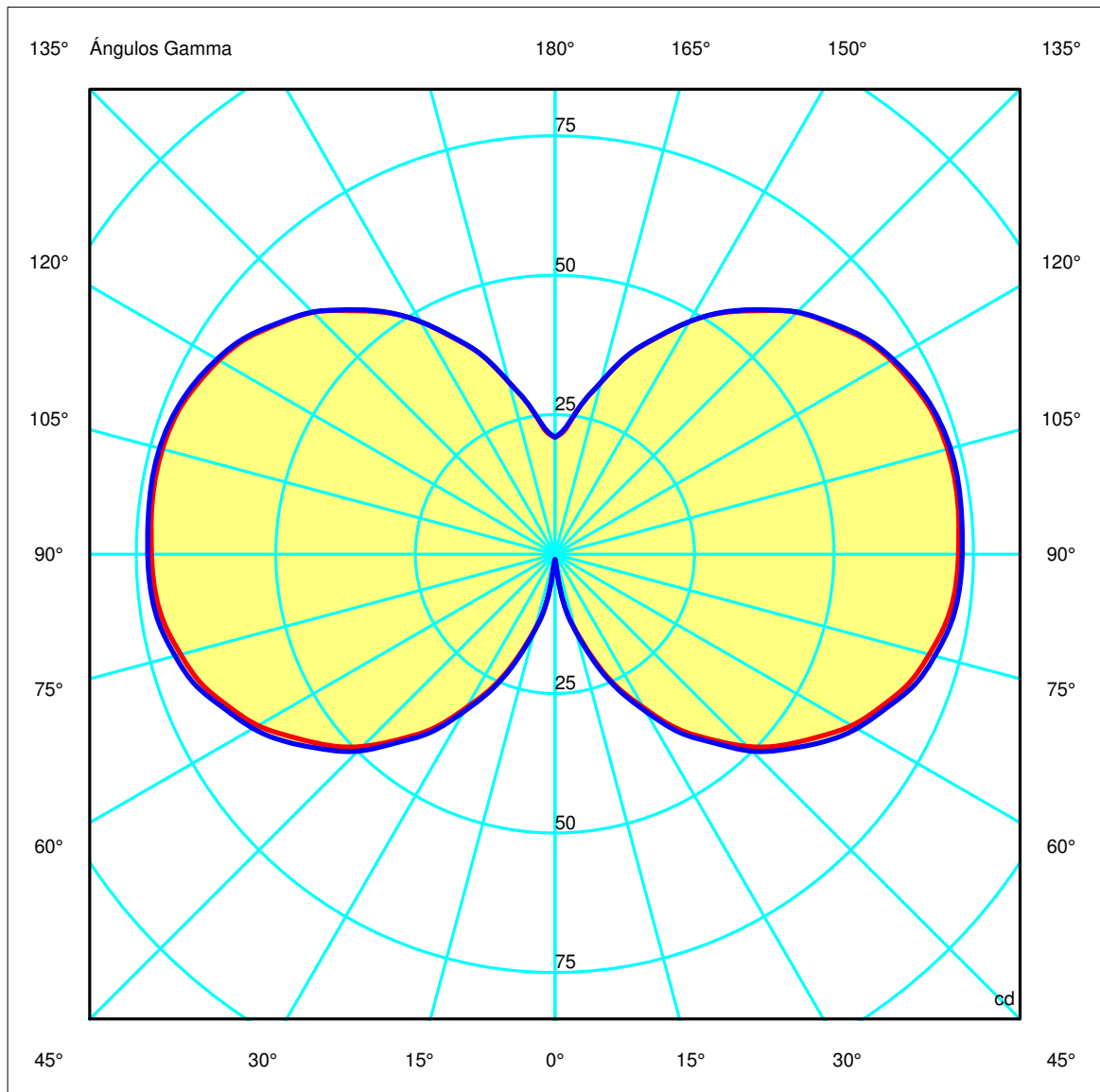
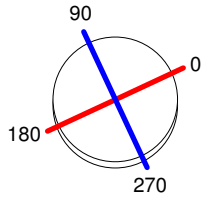
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Semiplanos C

180.0 ——— 0.0  
 270.0 ——— 90.0





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Apertura a la izquierda no hallada, gamma =-79

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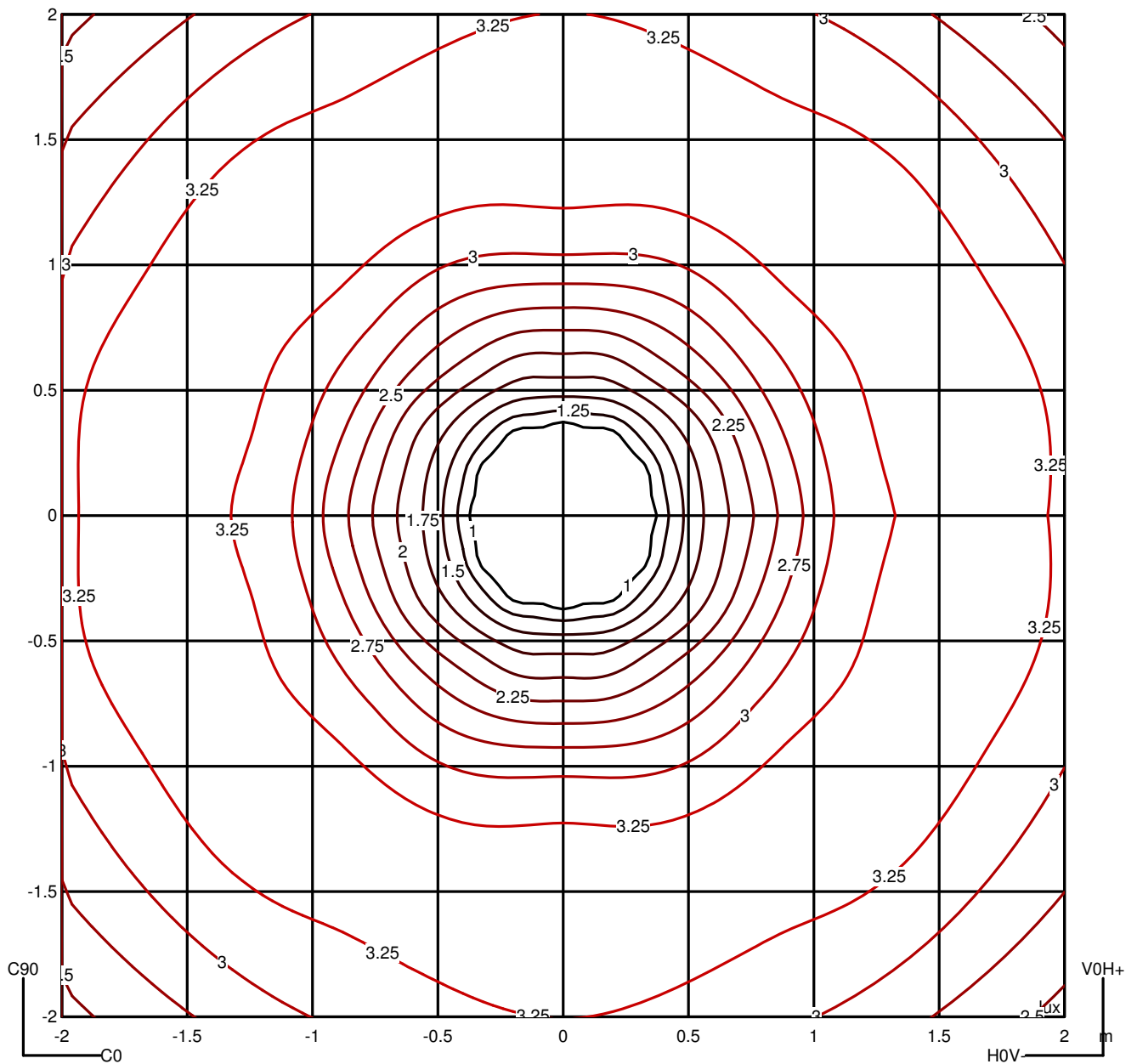
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Isolux (Floor)

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



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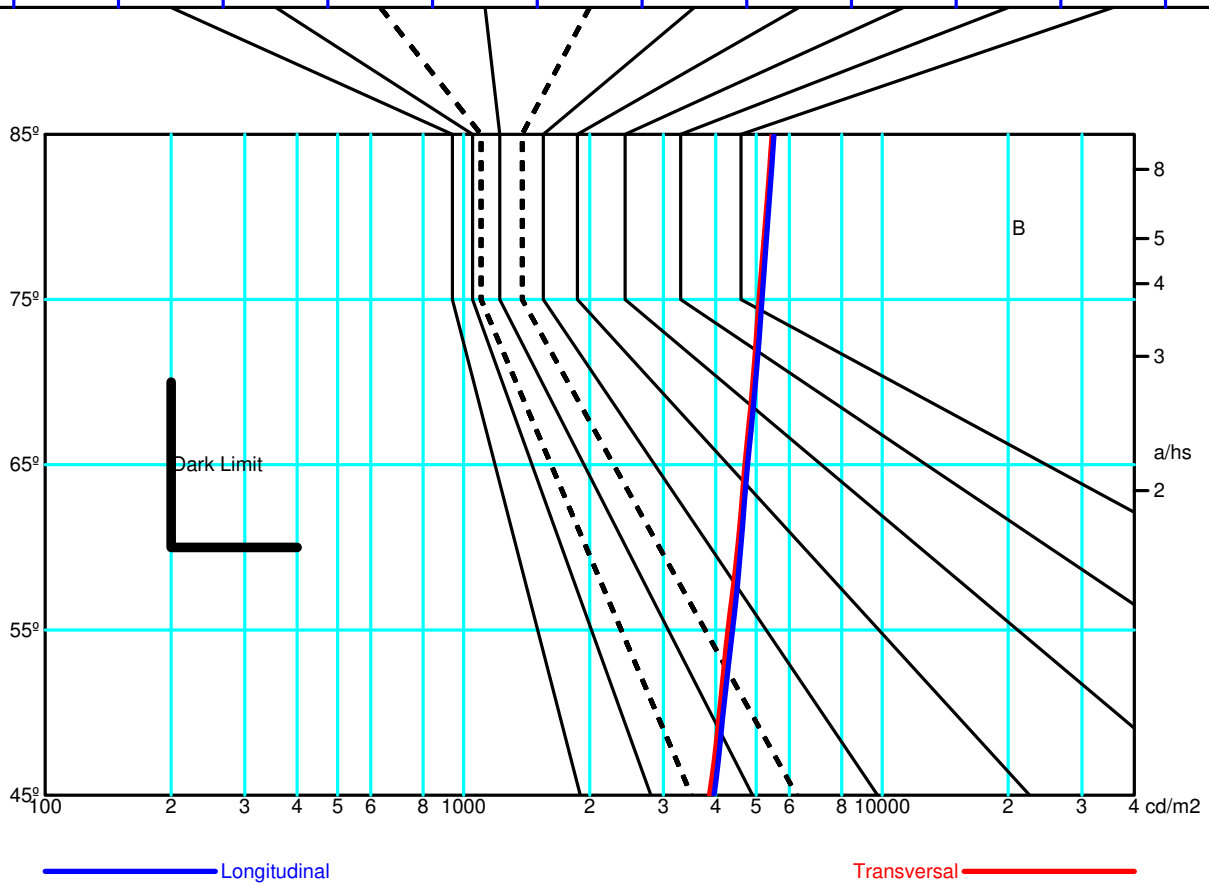
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	Average Luminance [cd/m <sup>2</sup> ]									
	45°	50°	55°	60°	65°	70°	75°	80°	85°	
0.0°	3868	4087	4281	4518	4703	4912	5079	5274	5458	---
90.0°	3963	4168	4389	4595	4766	4987	5156	5342	5515	---

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**

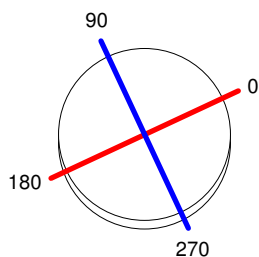
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Diam=80mm



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	13.8	14.8	14.7	15.7	17.0	13.8	14.8	14.7	15.7	17.0
x=2H y=3H	16.8	17.7	17.7	18.7	20.0	16.8	17.7	17.7	18.7	20.0
x=2H y=4H	18.3	19.1	19.2	20.1	21.4	18.3	19.1	19.2	20.1	21.4
x=2H y=6H	19.7	20.5	20.7	21.5	22.8	19.8	20.5	20.7	21.5	22.8
x=2H y=8H	20.4	21.2	21.4	22.2	23.6	20.5	21.2	21.5	22.2	23.6
x=2H y=12H	21.1	21.8	22.1	22.9	24.2	21.2	21.9	22.2	22.9	24.2
x=4H y=2H	14.9	15.7	15.8	16.7	18.0	14.9	15.7	15.8	16.7	18.0
x=4H y=3H	17.9	18.6	18.9	19.7	21.0	17.9	18.6	18.9	19.7	21.0
x=4H y=4H	19.5	20.2	20.5	21.2	22.5	19.5	20.2	20.5	21.2	22.5
x=4H y=6H	21.1	21.7	22.1	22.7	24.1	21.1	21.7	22.1	22.7	24.1
x=4H y=8H	21.9	22.5	22.9	23.5	24.9	21.9	22.5	22.9	23.5	24.9
x=4H y=12H	22.7	23.2	23.7	24.2	25.6	22.7	23.2	23.7	24.2	25.6
x=8H y=4H	20.2	20.7	21.2	21.7	23.1	20.2	20.7	21.2	21.7	23.1
x=8H y=6H	22.0	22.4	23.0	23.5	24.9	22.0	22.4	23.0	23.5	24.9
x=8H y=8H	22.9	23.3	24.0	24.4	25.8	22.9	23.3	24.0	24.4	25.8
x=8H y=12H	23.9	24.2	24.9	25.3	26.7	23.8	24.2	24.9	25.3	26.7
x=12H y=4H	20.3	20.8	21.3	21.8	23.2	20.3	20.8	21.3	21.8	23.2
x=12H y=6H	22.2	22.6	23.3	23.7	25.1	22.2	22.6	23.3	23.7	25.1
x=12H y=8H	23.2	23.6	24.3	24.7	26.1	23.2	23.6	24.3	24.7	26.1

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Flujo Total=1485.00 Flujo Luminaria=746.08

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	0.07	0.13	0.17	0.23	0.28	0.36	0.43	0.48	0.55	0.61	0.75	0.85
RC	-	-	-	-	-	-	-	-	-	-	-	-

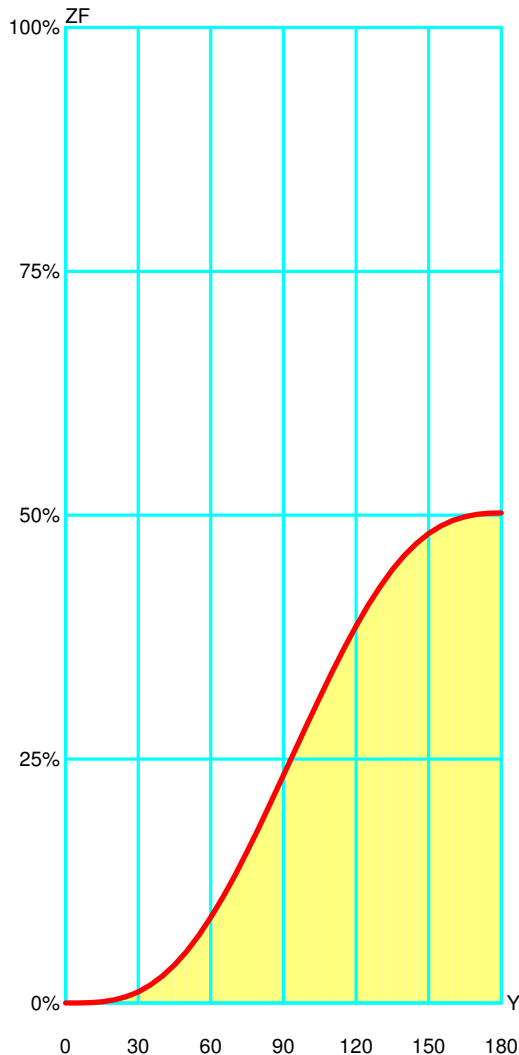
Flujo Zonal por 1000 Lúmenes

Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	0	3	11	27	53	88	131	181	233	287	339	386	427	459	481	495	501	502

Códigos de Flujo C.I.E.  
13 38 68 46 50

C.I.E. -/-/-/-/-/-/-/-/-/-  
D DIN 5040 C12  
F UTE --  
B NBN BZ 10  
RN 53.54703 %  
BLF 1.0

LOR 50.24109 %  
ULOR 26.90261 %  
DLOR 23.33848 %  
UFF 53.54703 %  
DFF 46.45297 %  
FFR 115.27151 %



Gamma °	Flujo Zonal			
	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00%
5°	0.02	0.02	0.00%	0.00%
10°	0.25	0.28	0.05%	0.06%
15°	0.90	1.18	0.18%	0.24%
20°	1.90	3.08	0.38%	0.61%
25°	3.28	6.36	0.65%	1.27%
30°	4.98	11.34	0.99%	2.26%
35°	6.97	18.31	1.39%	3.65%
40°	9.17	27.49	1.83%	5.47%
45°	11.50	38.99	2.29%	7.76%
50°	13.90	52.89	2.77%	10.53%
55°	16.28	69.16	3.24%	13.77%
60°	18.57	87.73	3.70%	17.46%
65°	20.68	108.41	4.12%	21.58%
70°	22.57	130.98	4.49%	26.07%
75°	24.15	155.13	4.81%	30.88%
80°	25.38	180.51	5.05%	35.93%
85°	26.22	206.74	5.22%	41.15%
90°	26.65	233.38	5.30%	46.45%
95°	26.75	260.14	5.33%	51.78%
100°	26.65	286.79	5.30%	57.08%
105°	26.30	313.09	5.23%	62.32%
110°	25.59	338.68	5.09%	67.41%
115°	24.52	363.20	4.88%	72.29%
120°	23.08	386.29	4.59%	76.89%
125°	21.34	407.63	4.25%	81.13%
130°	19.32	426.95	3.85%	84.98%
135°	17.12	444.06	3.41%	88.39%
140°	14.78	458.84	2.94%	91.33%
145°	12.37	471.21	2.46%	93.79%
150°	10.00	481.22	1.99%	95.78%
155°	7.74	488.96	1.54%	97.32%
160°	5.67	494.63	1.13%	98.45%
165°	3.86	498.49	0.77%	99.22%
170°	2.36	500.86	0.47%	99.69%
175°	1.20	502.06	0.24%	99.93%
180°	0.35	502.41	0.07%	100.00%

**Luminaire**

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**Measurment**

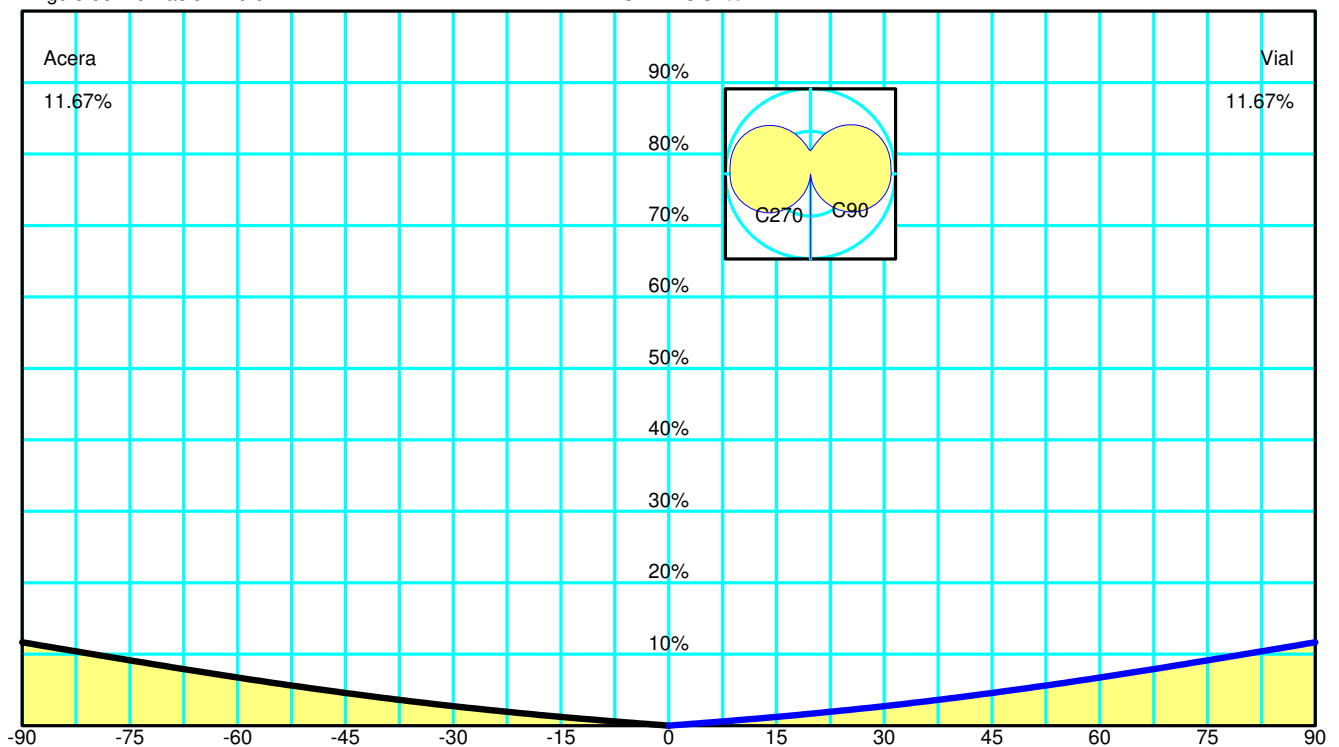
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Pavement			Road		
Piano	0	0.00%	Piano	0	0.00%
Piano	-5	0.39%	Piano	5	0.39%
Piano	-10	0.80%	Piano	10	0.80%
Piano	-15	1.23%	Piano	15	1.23%
Piano	-20	1.70%	Piano	20	1.70%
Piano	-25	2.19%	Piano	25	2.19%
Piano	-30	2.73%	Piano	30	2.73%
Piano	-35	3.31%	Piano	35	3.31%
Piano	-40	3.92%	Piano	40	3.92%
Piano	-45	4.58%	Piano	45	4.58%
Piano	-50	5.27%	Piano	50	5.27%
Piano	-55	5.99%	Piano	55	5.99%
Piano	-60	6.74%	Piano	60	6.74%
Piano	-65	7.52%	Piano	65	7.52%
Piano	-70	8.32%	Piano	70	8.32%
Piano	-75	9.14%	Piano	75	9.14%
Piano	-80	9.98%	Piano	80	9.98%
Piano	-85	10.82%	Piano	85	10.82%
Piano	-90	11.67%	Piano	90	11.67%

Ángulo de Inclinación = 0.0

DLOR = 23.34%

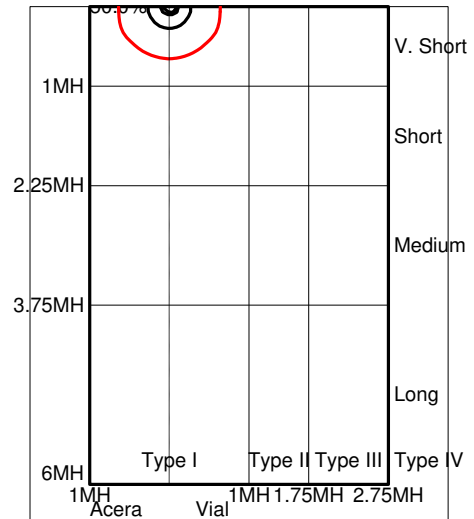
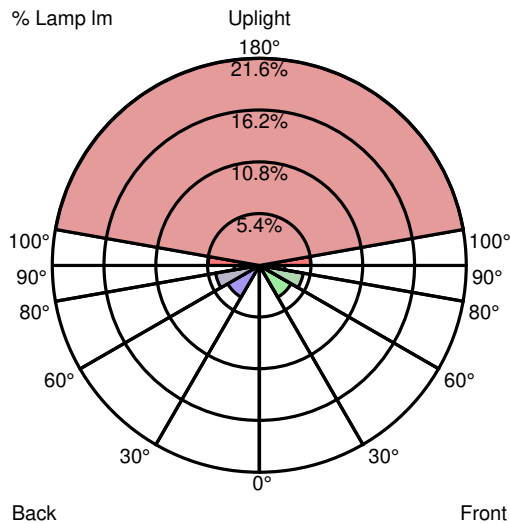


Spread	0.0° Estrecho	DLOR	23.33848 %
Throw	96.9° Largo	ULOR	26.90261 %
Cutoff CIE	No Cutoff - Max: C=90.0° Gamma=100.0°	Rendimiento	50.24109 %
Cutoff Iesna	Semi Cutoff	RN	53.54703 %
DIN5044	KB2	Clase de Intensidad Luminosa	G1
	IESNA Type V Very Short	Índice de Deslumbramiento	D5
	Quadrilateral Symmetry		

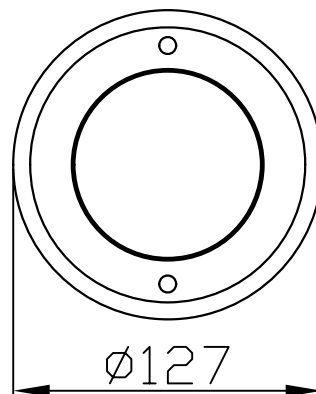
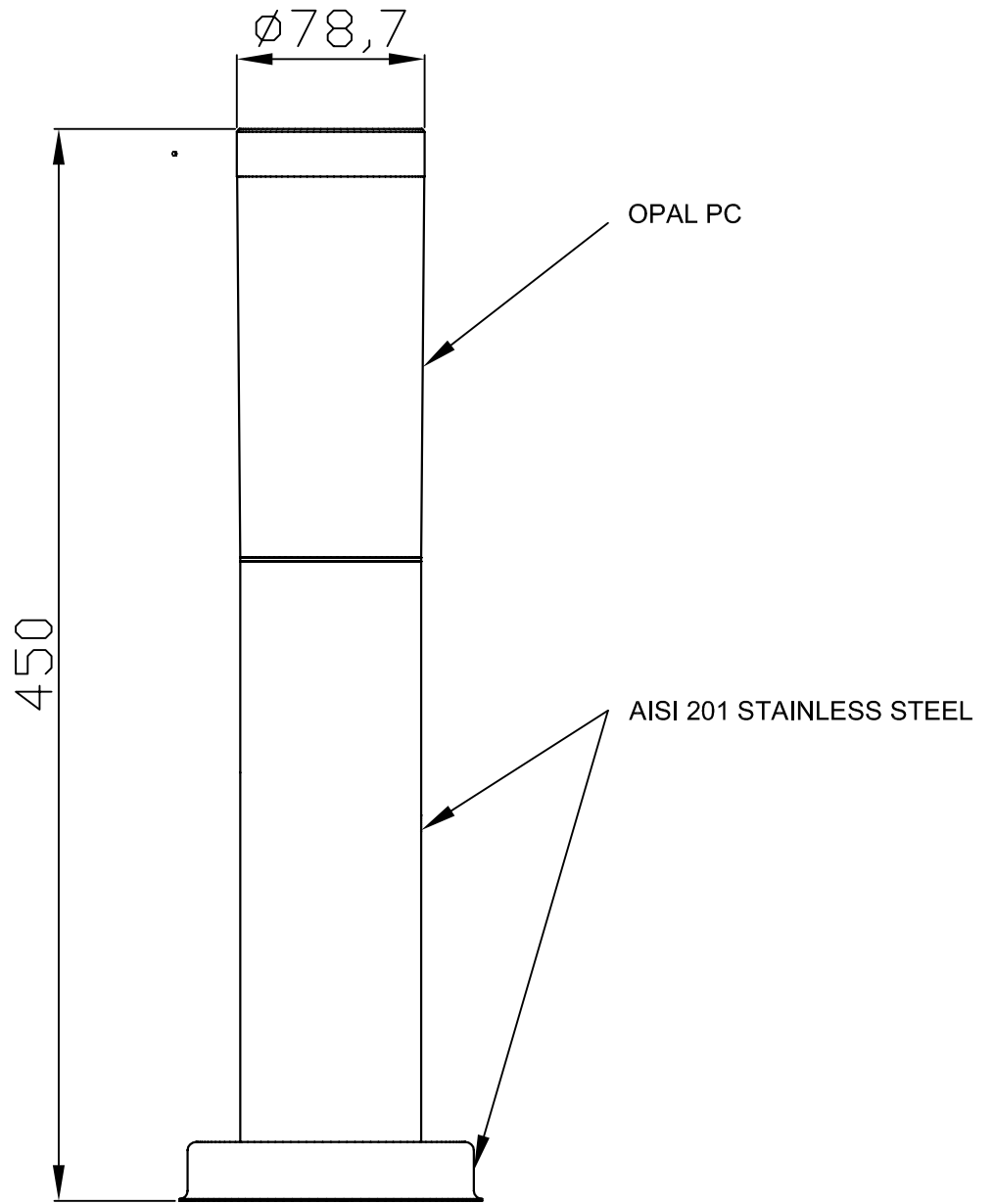
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US ROAD STANDARDS



Luminaire Classification System (LCS)			
LCS Zone		Lumens	%Lamp %Lum
FL	0° -- 30°	8.5 lm	0.6 % 1.1 %
FM	30° -- 60°	56.7 lm	3.8 % 7.6 %
FH	60° -- 80°	68.9 lm	4.6 % 9.2 %
FVH	80° -- 90°	39.2 lm	2.6 % 5.3 %
BL	0° -- 30°	8.5 lm	0.6 % 1.1 %
BM	30° -- 60°	56.7 lm	3.8 % 7.6 %
BH	60° -- 80°	68.9 lm	4.6 % 9.2 %
BVH	80° -- 90°	39.2 lm	2.6 % 5.3 %
UL	90° -- 100°	79.2 lm	5.3 % 10.6 %
UH	100° -- 180°	320.3 lm	21.6 % 42.9 %
TOTALS		746.1 lm	50.2 % 100.0 %
BUG B0 U3 G1 Type V Very Short Quadrilateral Symmetry			





# Koral

PX-0099 PX-0100

# FOR LIGHT

