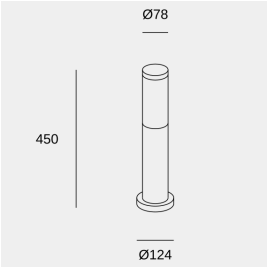
Installation Instructions
Photometry

Koral 450mm

PX-0099-ANT

Bollard IP55 Koral 450mm E27 15W Urban grey





TECHNICAL FEATURES

IP55 IK09

Luminaire total power : 15W

Structure material : Stainless steel AISI202

Structure finish : Urban grey

Diffuser material : Polycarbonate

Diffuser finish : Opal

Max. size of light bulb : 167/55 mm

Recommended light bulb : E27

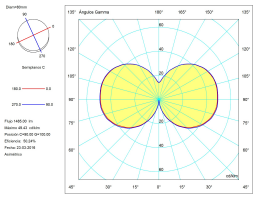
Voltage / frequency : 100-240V ~ 50/60Hz

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): 0.69

Packaged weight (kg): 0.96

Packaging: 135mm x 135mm x 460mm

4 Un

LIGHT APPLICATION

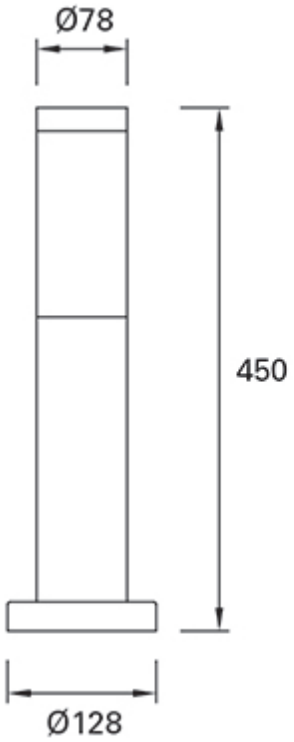


Image may not match reference. LEDS C4 reserves the right to amend any of the product's components. The data related to flux, power and colour temperature are subject to a tolerance of ±10%.

Luminaire
Code PX-0099-ANT
Name Baliza KORAL 1x23W E27 CFL
Measurem.
Code PX-0099-BLA
Name Baliza KORAL 1x23W E27 CFL

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

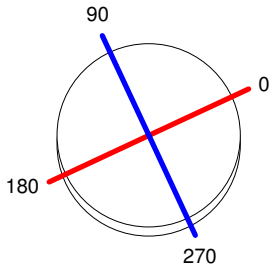
Round Luminaire	Diam. 80 mm	Height	450 mm
Round Luminous Area	Diam. 80 mm	Height	160 mm
Horizontal Luminous Area	0.005027 m2	Emitting area on Plane 180°	0.012800 m2
Emitting area on Plane 0°	0.012800 m2	Emitting area on Plane 270°	0.012800 m2
Emitting area on Plane 90°	0.012800 m2	Glare area at 76°	0.013636 m2
Coordinate system	CG	Symmetry Type	Asymmetrical
Date	23-03-2016	Maximum Gamma Angle	180
Measurement Distance	0.00	Measurement Flux	1485.00 lm
Operator	Asselum T2	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
	PL ELEC23W/827 E27	PL ELEC23W/827 E27	1485.00	23.00	1

C.I.E. 13 38 68 46 50		D DIN 5040	C12
F UTE --		B NBN	BZ 10

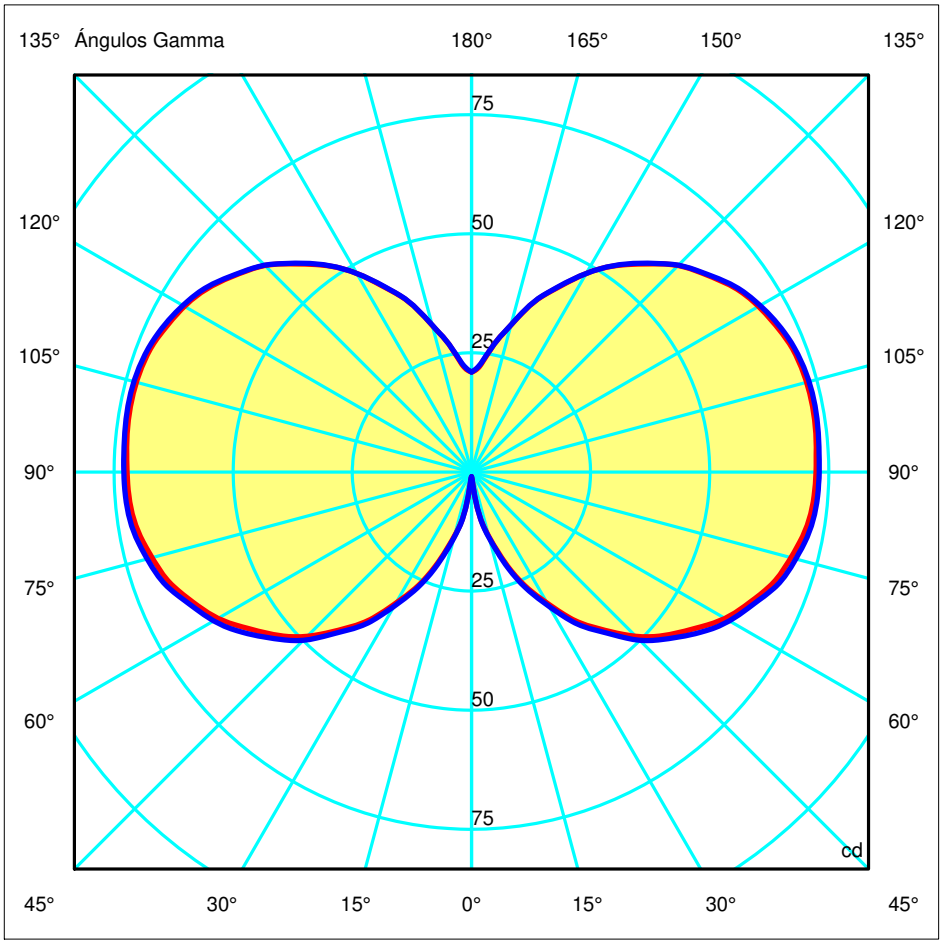
Diam=80mm



Semiplanos C

180.0 — 0.0

270.0 — 90.0

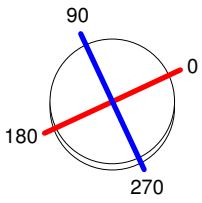


ULOR	26.90 %
DLOR	23.34 %
RN	53.55 %

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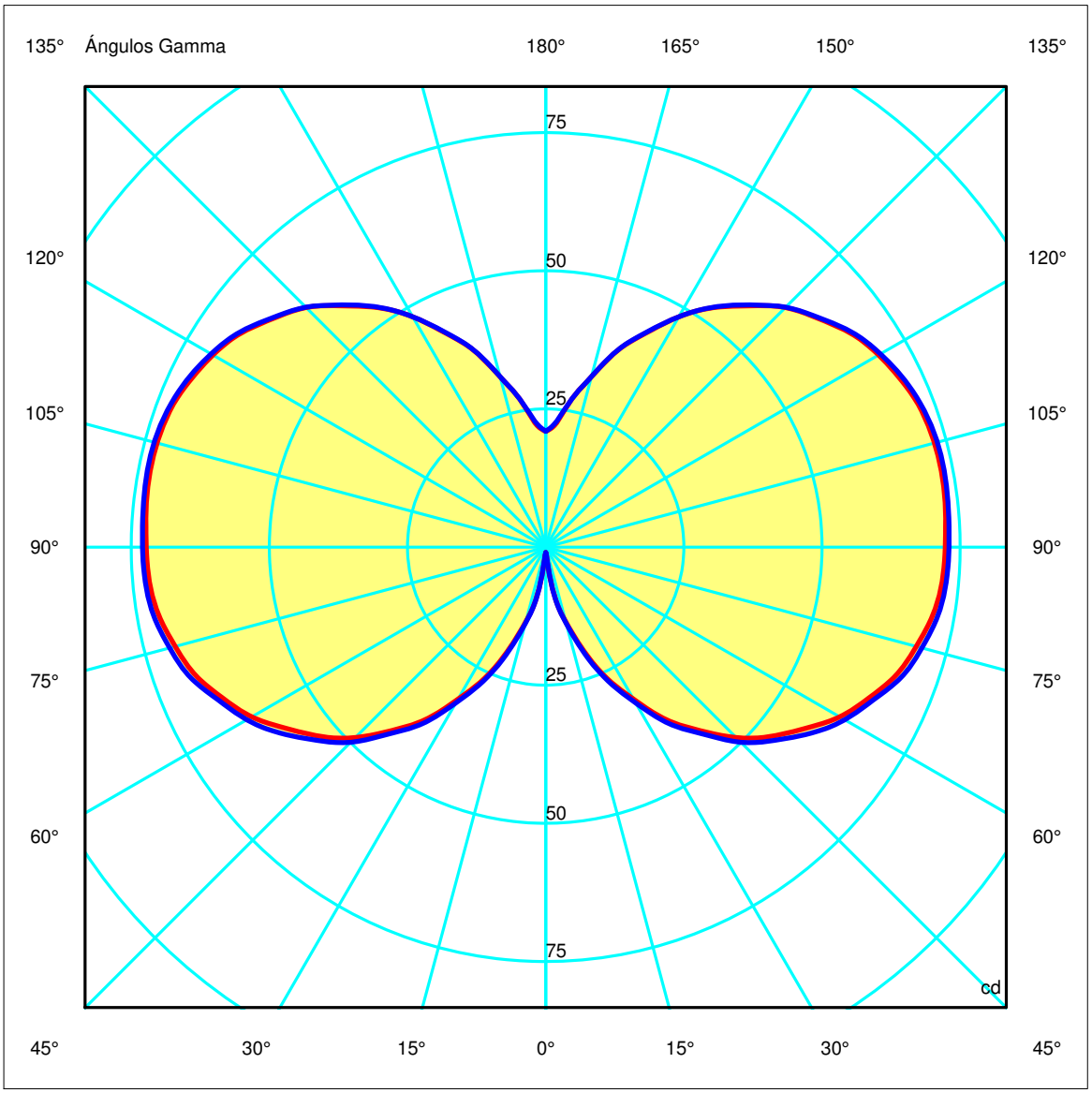
Diam=80mm



Semiplanos C

180.0 0.0

270.0 90.0



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Apertura a la izquierda no hallada, gamma =-79

Apertura a la izquierda no hallada, gamma =-79

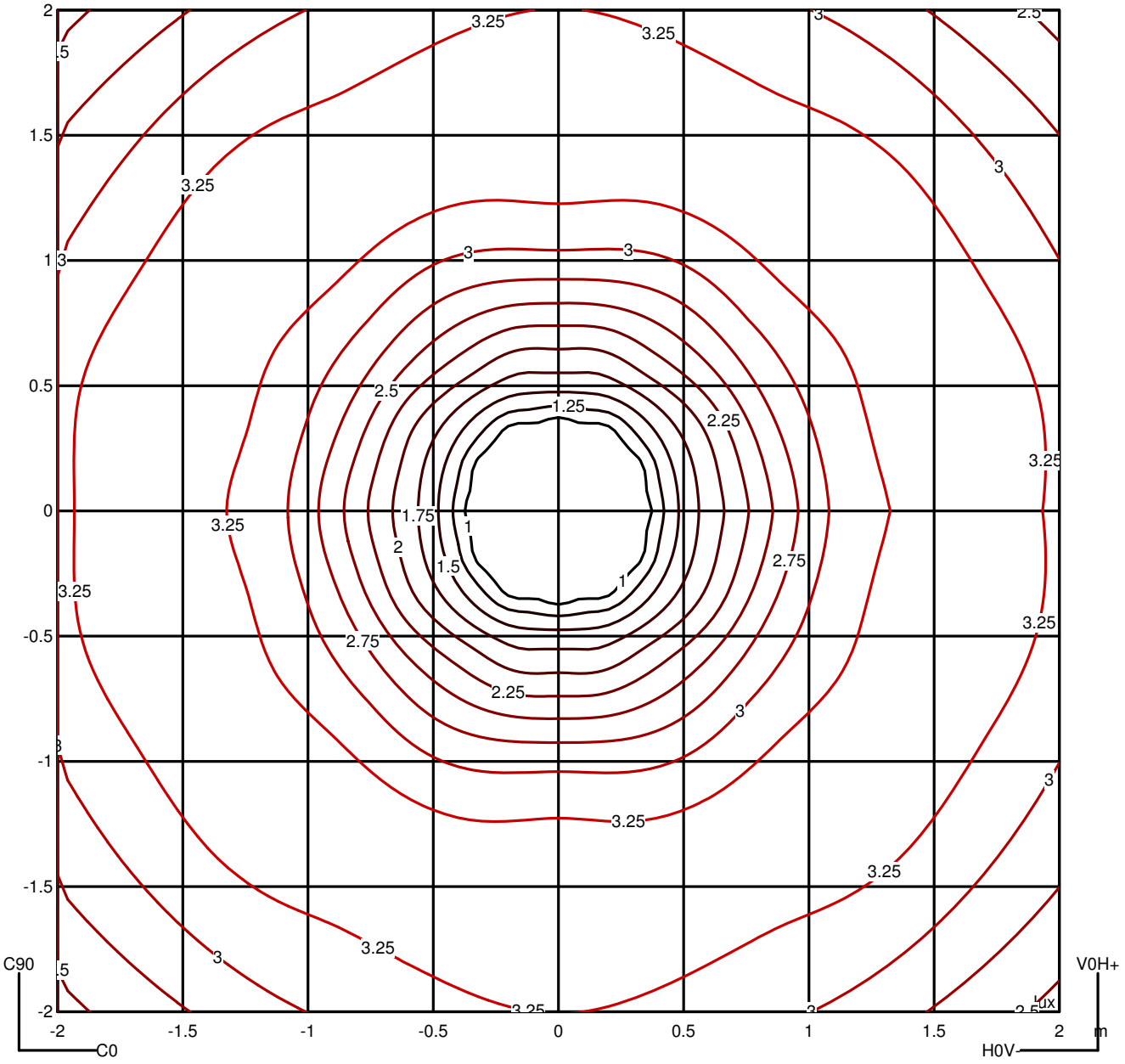
Apertura a la izquierda no hallada, gamma =-79

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Isolux (Floor)

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



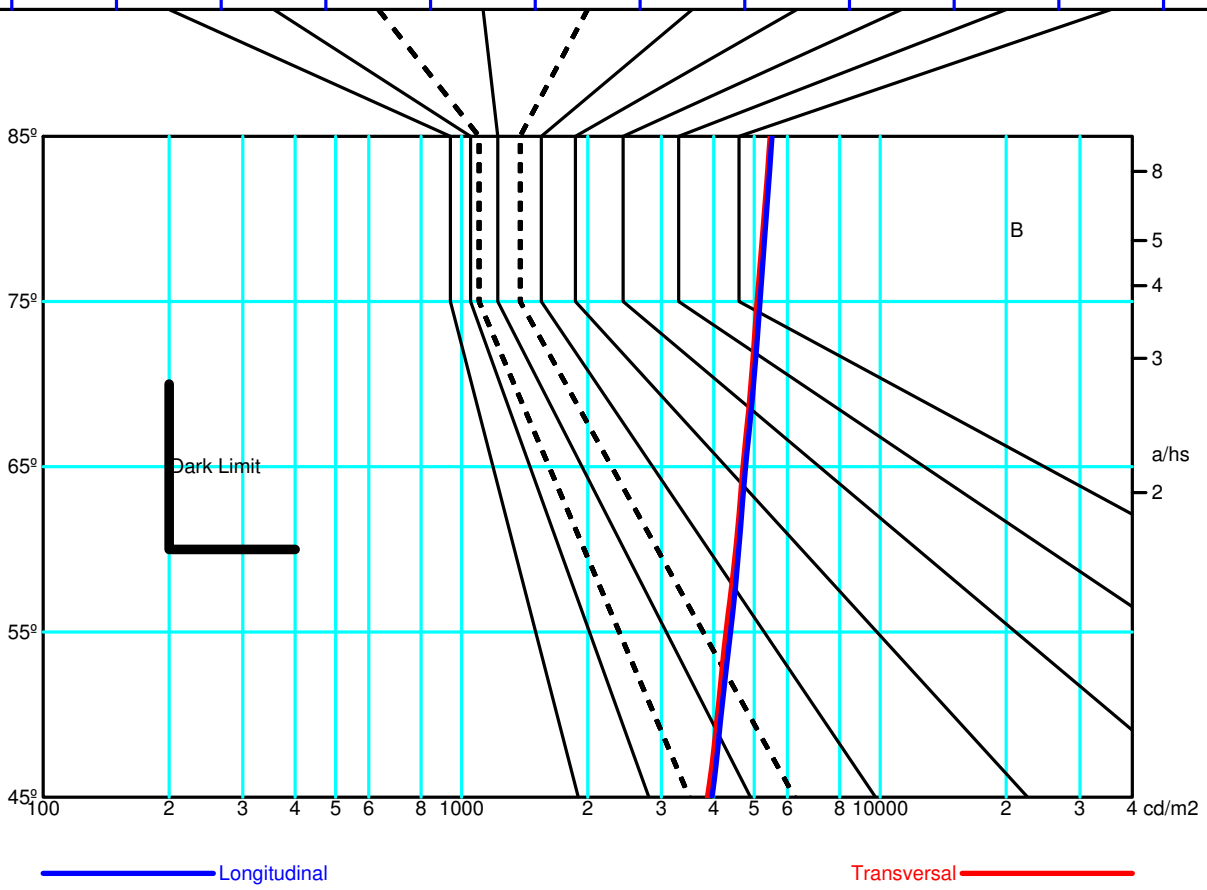
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Average Luminance [cd/m²]

	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	---

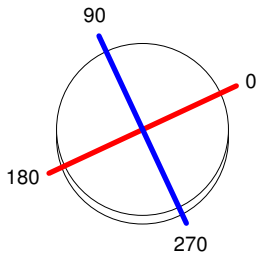
Flujo montado o vista transversal												
		Iluminancia (lx)										
A	A	2000	1000	750	500		<300					1.15
B	1		2000	1500	1000	750	500	<300				1.5
C					2000		1000	500	<300			1.85
D	2						2000	1000	500	<300		2.2
E	3							2000	1000	500	<300	2.55



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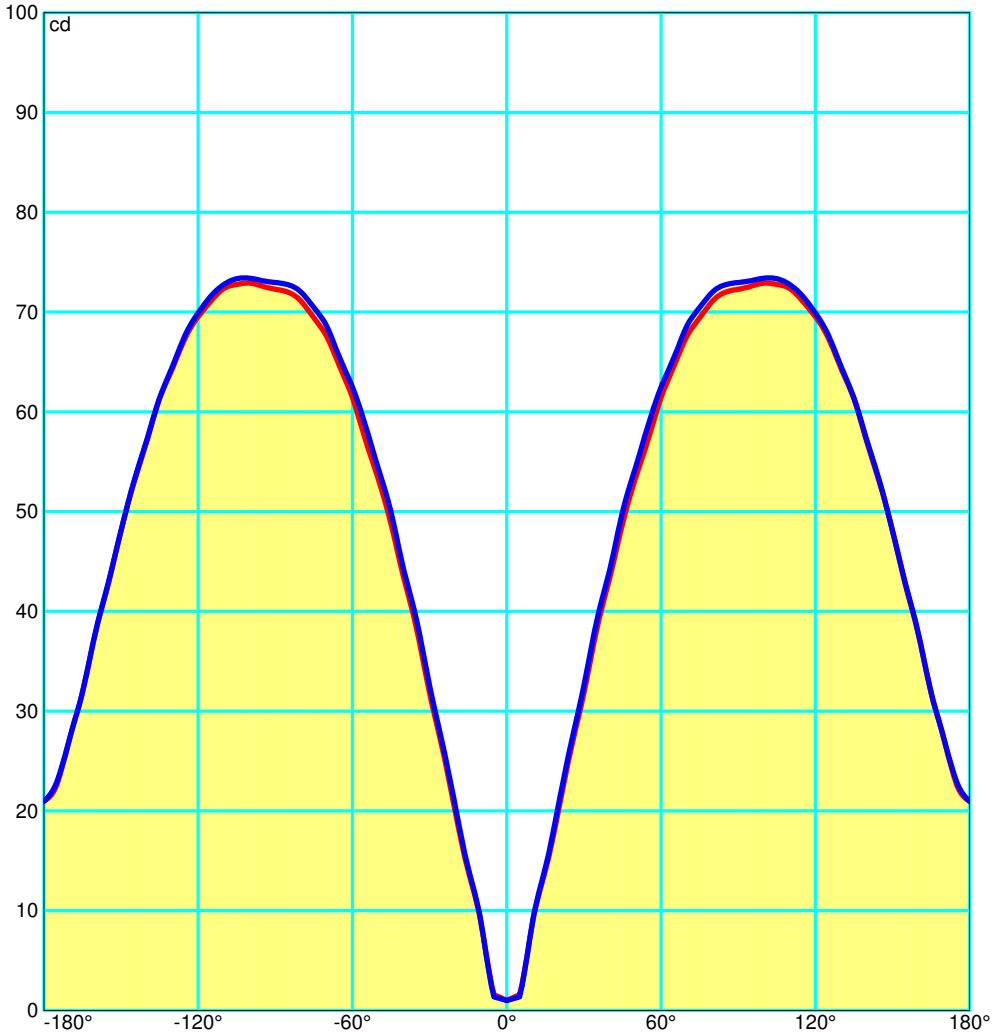
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Diam=80mm



Semiplanos C





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Lamps Flux	1485.00 lm	Maximum value	73.40 cd	Position	C=90.00 G=100.00	CG	Asymmetrical

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

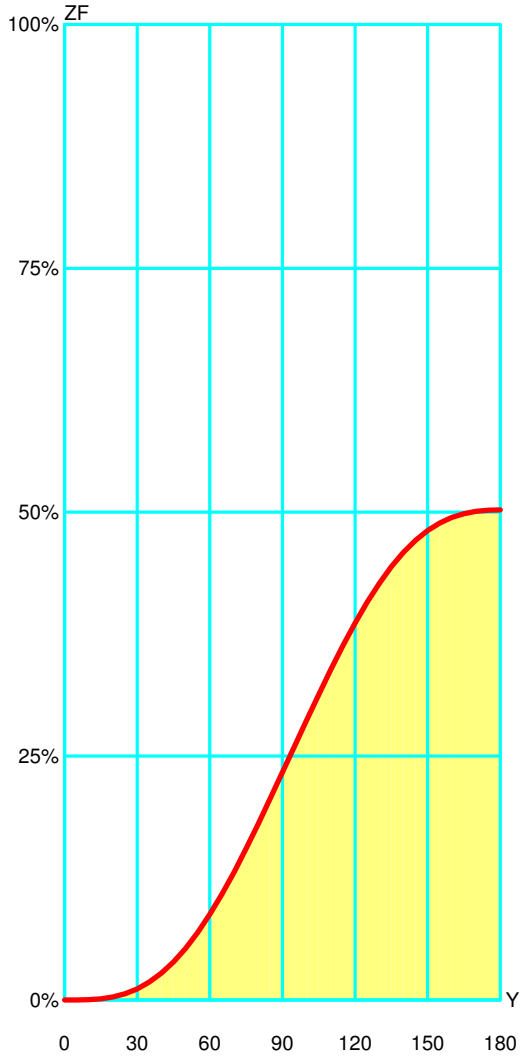
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.07	0.13	0.17	0.23	0.28	0.36	0.43	0.48	0.55	0.61	0.75	0.85
RC	-	-	-	-	-	-	-	-	-	-	-	-

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.	-/-/-/-/-/-/-/-/-/-/-	LOR	50.24109 %
D DIN 5040	C12	ULOR	26.90261 %
F UTE	--	DLOR	23.33848 %
B NBN	BZ 10	UFF	53.54703 %
RN	53.54703 %	DFF	46.45297 %
BLF	1.0	FFR	115.27151 %

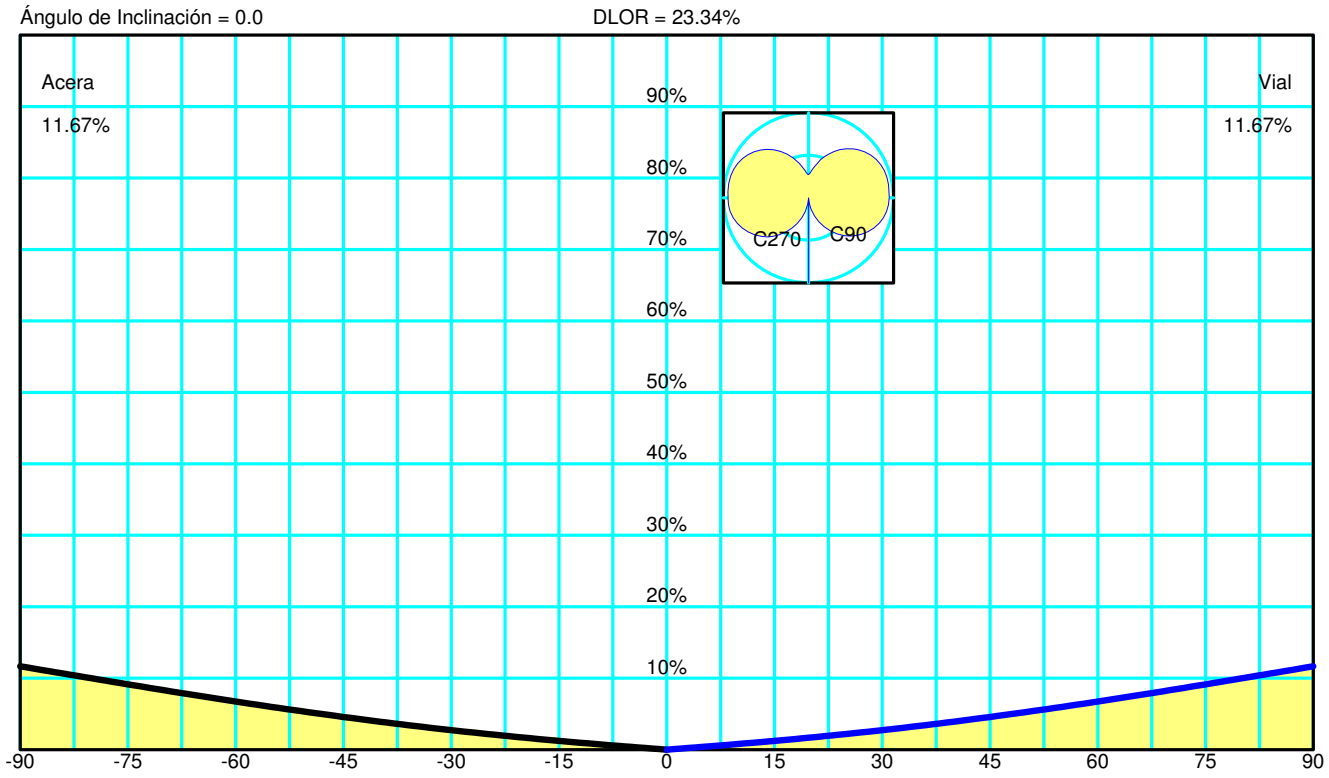


Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	0.02	0.02	0.00 %	0.00 %
10°	0.25	0.28	0.05 %	0.06 %
15°	0.90	1.18	0.18 %	0.24 %
20°	1.90	3.08	0.38 %	0.61 %
25°	3.28	6.36	0.65 %	1.27 %
30°	4.98	11.34	0.99 %	2.26 %
35°	6.97	18.31	1.39 %	3.65 %
40°	9.17	27.49	1.83 %	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 %

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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%



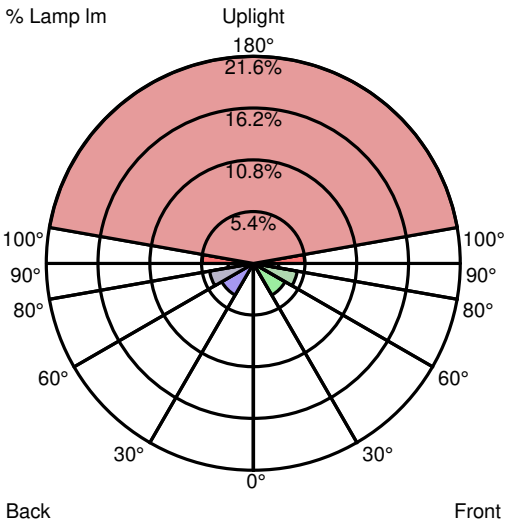
Spread	0.0° Estrecho	DLOR	23.33848 %
Throw	96.9° Largo	ULOR	26.90261 %
		Rendimiento	50.24109 %
Cutoff CIE	No Cutoff - Max: C=90.0° Gamma=100.0°	RN	53.54703 %
Cutoff Iesna	Semi Cutoff	Clase de Intensidad Luminosa	G1
DIN5044	KB2	Índice de Deslumbramiento	D5

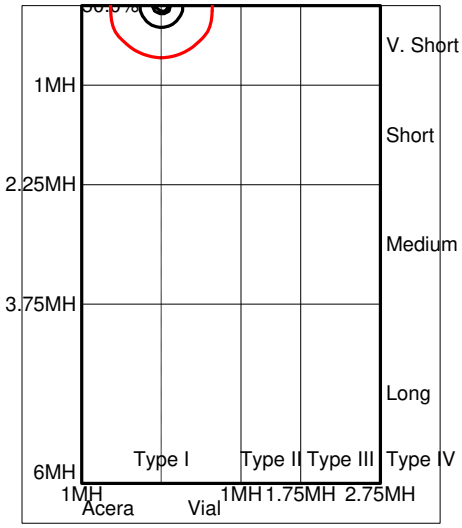
IESNA Type V Very Short Quadrilateral Symmetry

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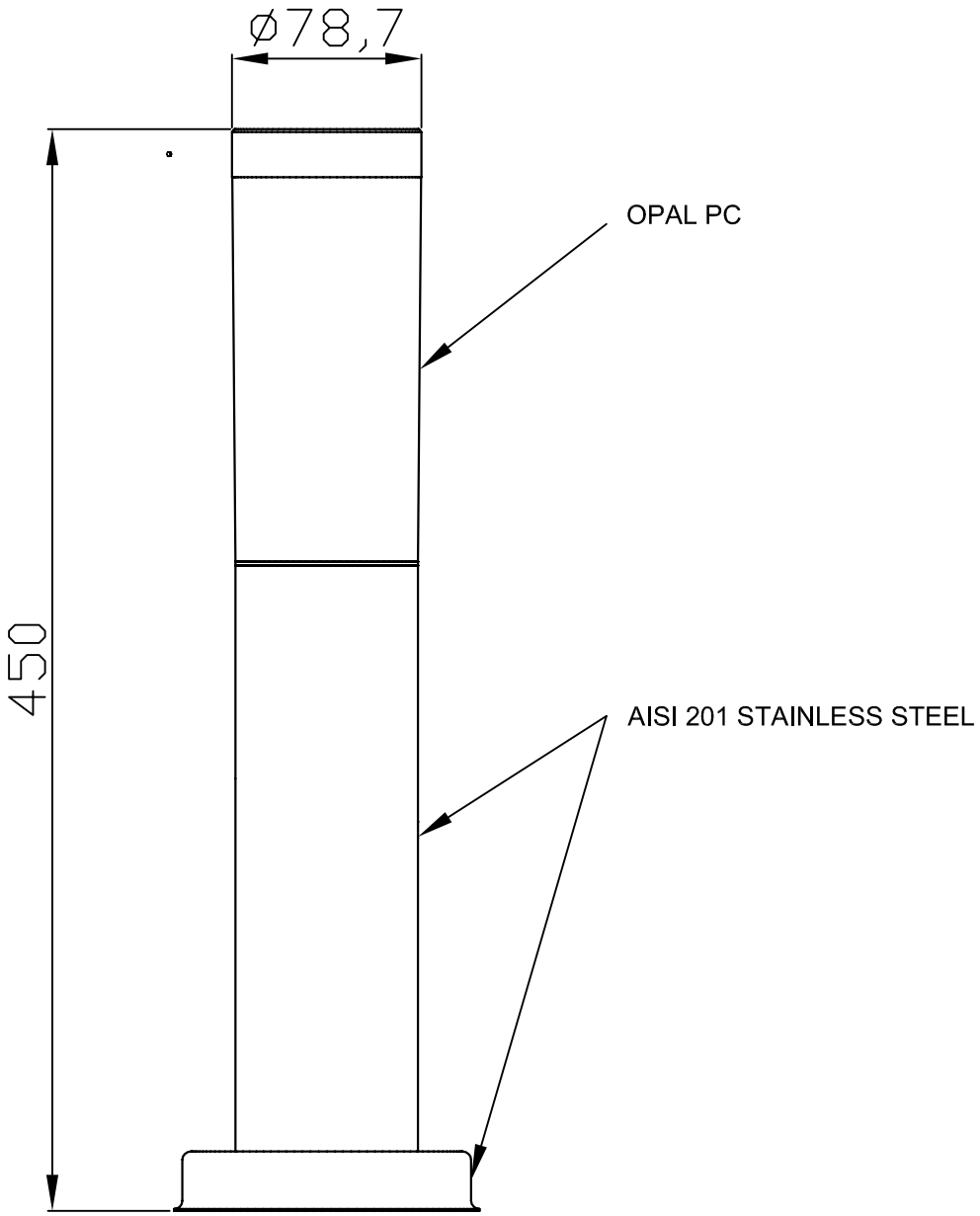
US ROAD STANDARDS

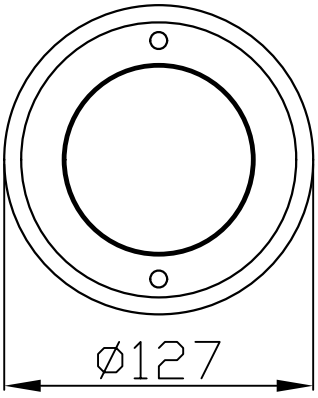




Luminaire Classification System (LCS)				
LCS Zone		Lumens	%Lamp	%Lum
FL	0° -- 30°	8.5 lm	0.6 %	1.1 %
FM	30° -- 60°	56.7 lm	3.8 %	7.6 %
FH	60° -- 80°	68.9 lm	4.6 %	9.2 %
FVH	80° -- 90°	39.2 lm	2.6 %	5.3 %
BL	0° -- 30°	8.5 lm	0.6 %	1.1 %
BM	30° -- 60°	56.7 lm	3.8 %	7.6 %
BH	60° -- 80°	68.9 lm	4.6 %	9.2 %
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				

PX-0099





09-06-16

Koral

PX-0099 PX-0100

