

TECHNICAL FEATURES

IP23 IK02



Luminaire total power : 30W

Structure material : Aluminium

Structure finish : Rusty brown

Diffuser material : Glass

Diffuser finish : Rustic

Max. size of light bulb : 180/NA mm

Recommended light bulb : E27

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

Warranty : 5 Years

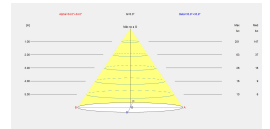
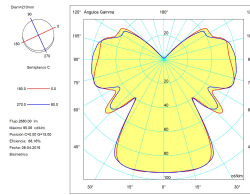
Easily recyclable luminaire

LUMINOTECHNIC FEATURES

Luminance C0°G65°: 2986

Luminance C90°G65°: 2988

Lampholder	Quantity	Light source power (W)	Correlated Colour Temperature (CCT)
E27	2	Max. power 15W	-



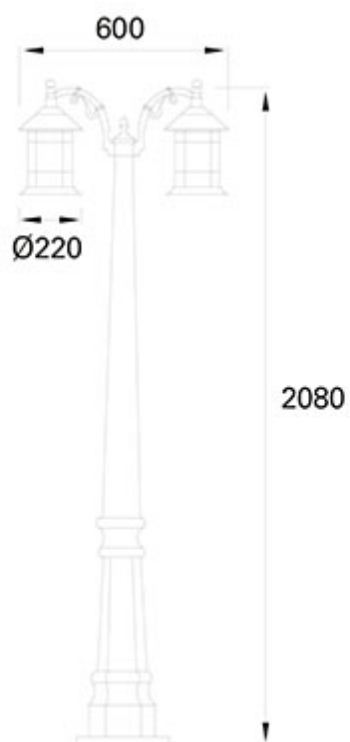
LOGISTICS

Net weight (kg): 7.75

Packaged weight (kg): 10.39

Packaging: 730mm x 670mm x 270mm





Luminaire

Code PX-0027-OXI
 Name Colgante 1x100W E27 A55

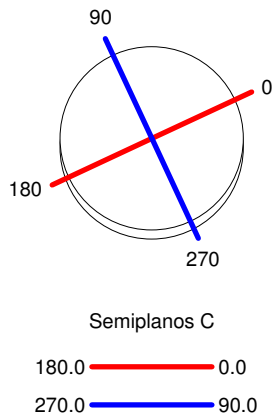
Measurement

Code PX-0025-OXI
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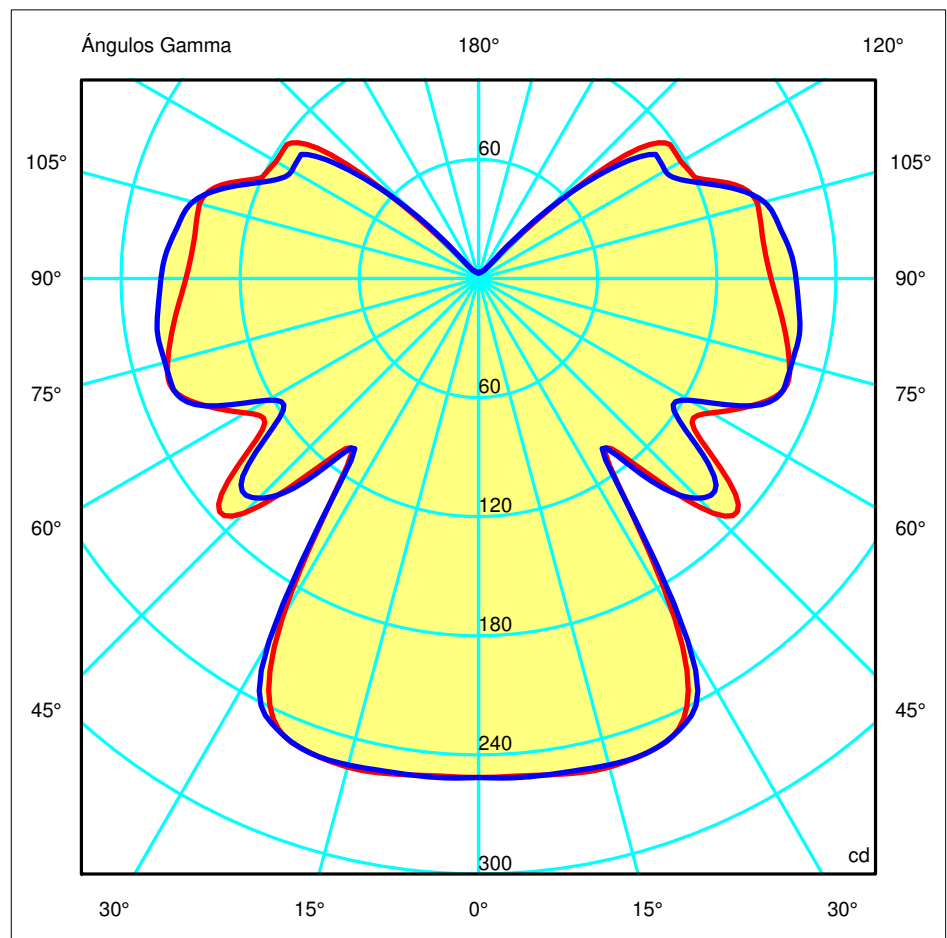
Luminaire Flux	1826.65 lm	Luminaire Power	100.00 W	Efficacy	18.27 lm/W	Efficiency	68.16%
Lamps Flux	2680.00 lm	Maximum value	254.77 cd	Position	C=0.00 G=15.00	CG	Double Symmetrical
Round Luminaire Round Luminous Area		Diam.	210 mm	Height	190 mm		
		Diam.	210 mm	Height	190 mm		
Horizontal Luminous Area	0.034636 m2	Emitting area on Plane 180°	0.039900 m2	Emitting area on Plane 270°	0.039900 m2	Emitting area on Plane 0°	0.039900 m2
	0.039900 m2	Emitting area on Plane 90°	0.039900 m2	Glare area at 76°	0.047094 m2		
Coordinate system	CG	Symmetry Type	Double Symmetrical				
Date	08-04-2016	Maximum Gamma Angle	180				
Measurement Distance	0.00	Measurement Flux	2680.00 lm				
Operator		Source Voltage [V]					
Temperature	25.00 °C	Source current [A]					
Humidity	60.00 %	Photocell					
Notes							

Line	Luminaire Lamps				Flux [lm]	Pow. [W]	Q.ty
	Code	Name	Flux [lm]	Pow. [W]			
	STANDAR GOC 100W O	STANDAR GOC 100W O - 50.00 W	1340.00	50.00			2
C.I.E.	27 50 75 64 68	D DIN 5040	B11				
F UTE	0.44 J + 0.24 T	B NBN	BZ 7 / 1 / BZ 8				

Diam=210mm



ULOR 24.35 %
 DLOR 43.81 %
 RN 35.73 %



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Measur.

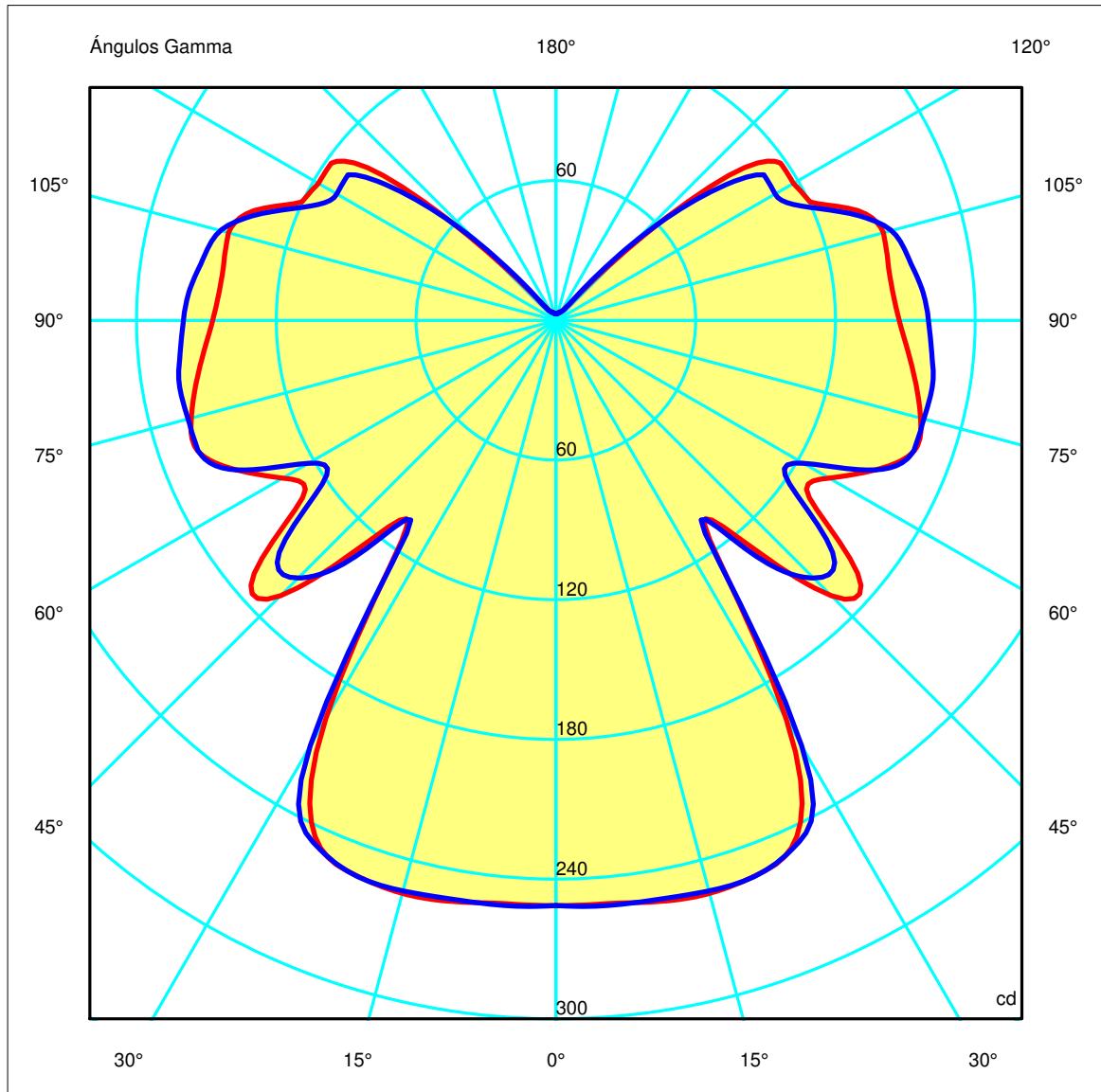
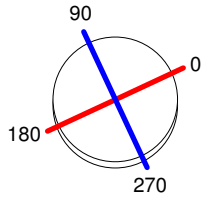
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Diam=210mm

Semiplanos C

180.0 ——— 0.0
 270.0 ——— 90.0



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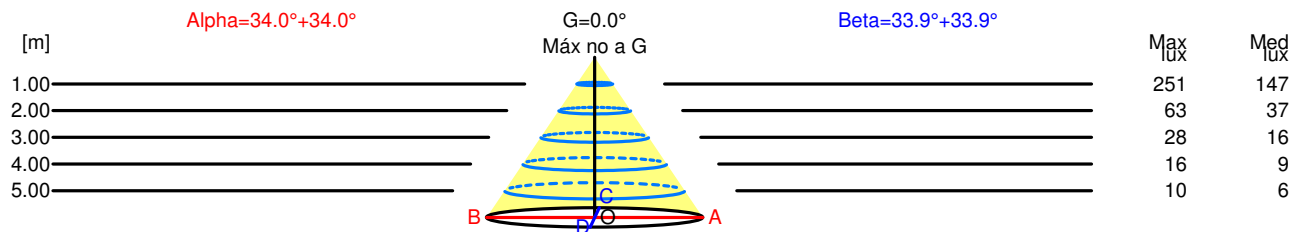
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Width at 50.00 % of Max Intensity

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	0.67	1.35	2.02	2.70	3.37	OC	0.67	1.34	2.02	2.69	3.36
OB	0.67	1.35	2.02	2.70	3.37	OD	0.67	1.34	2.02	2.69	3.36

	Luminous Intensities [cd]									
	0	5	15	25	35	45	55	65	75	85
OA	251.34	251.40	254.77	244.64	115.34	167.20	132.81	151.69	162.06	151.66
OB	251.34	251.40	254.77	244.64	115.34	167.20	132.81	151.69	162.06	151.66
OC	251.34	252.25	253.64	247.05	111.69	156.47	122.37	151.79	163.49	161.91
OD	251.34	252.25	253.64	247.05	111.69	156.47	122.37	151.79	163.49	161.91



H[m]	D[m]	Max lux	Med lux	Alpha=34.0°+34.0°	G=0.0 Máx no a G
1.00	1.35	251	147		
2.00	2.70	63	37		
3.00	4.05	28	16		
4.00	5.40	16	9		
5.00	6.75	10	6		

H[m]	D[m]	Max lux	Med lux	Beta=33.9°+33.9°	G=0.0 Máx no a G
1.00	1.34	251	147		
2.00	2.69	63	37		
3.00	4.03	28	16		
4.00	5.38	16	9		
5.00	6.72	10	6		

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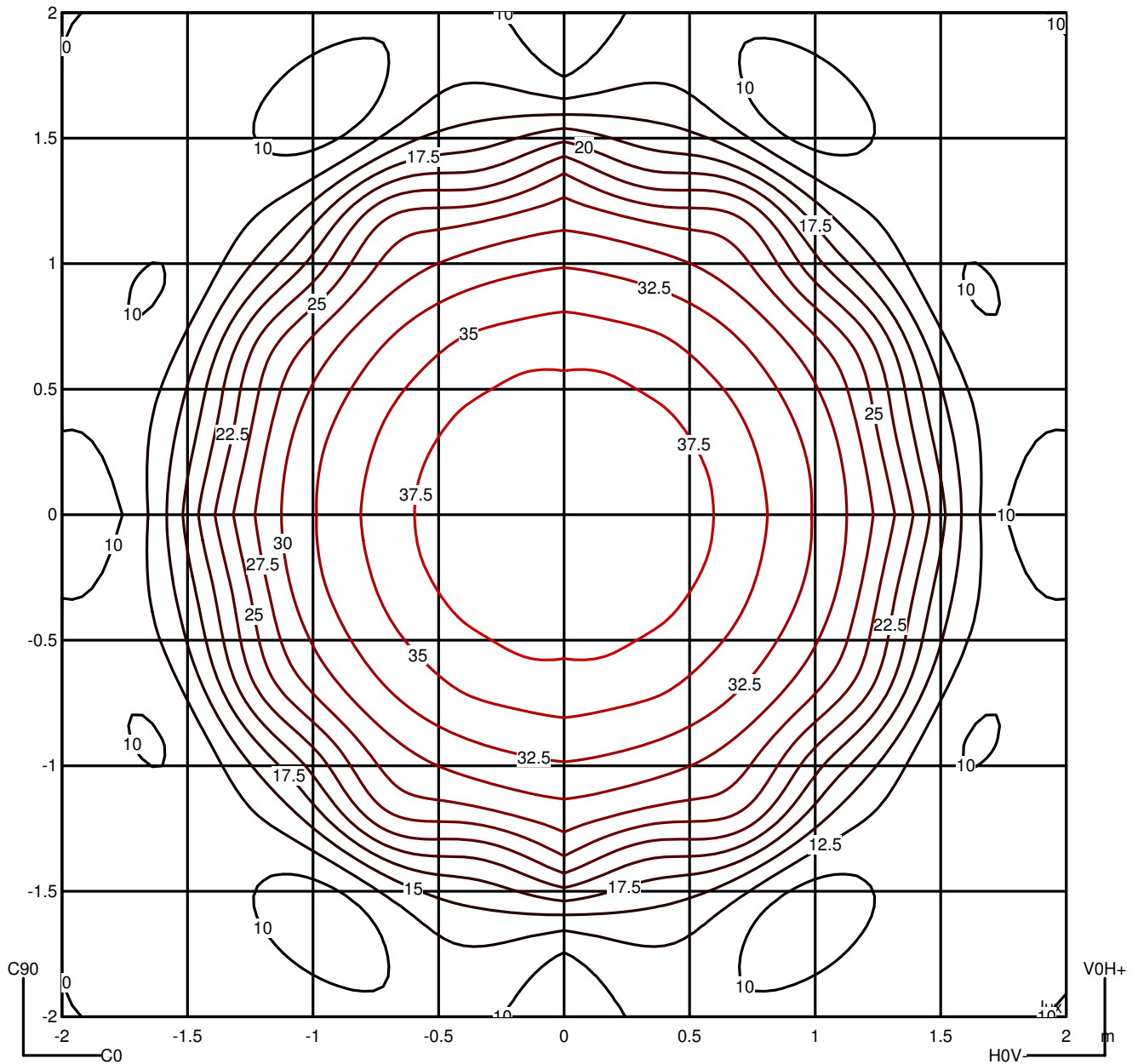
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Isolux (Floor)

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



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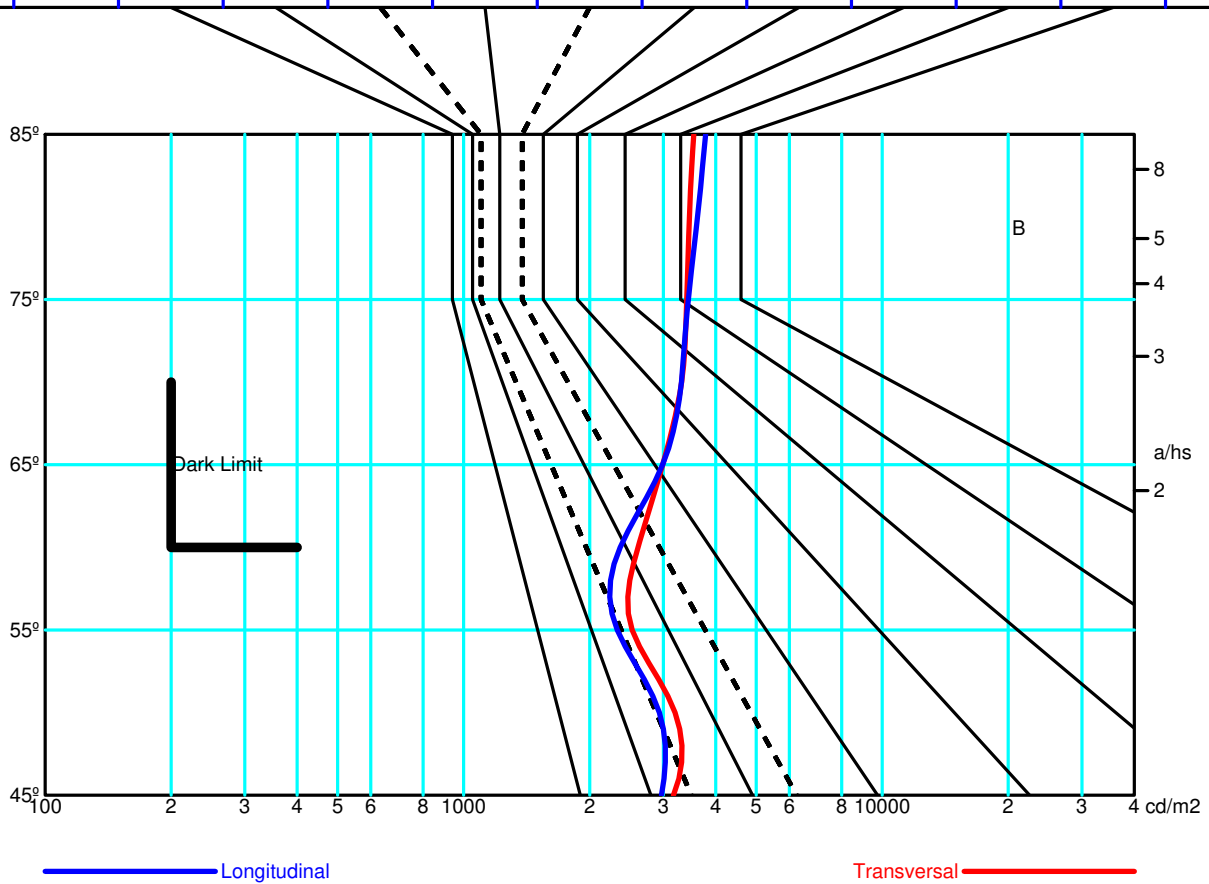
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		Average Luminance [cd/m ²]									
		45°	50°	55°	60°	65°	70°	75°	80°	85°	
0.0°		3172	3199	2527	2611	2986	3317	3411	3463	3546	---
90.0°		2969	2934	2329	2365	2988	3314	3442	3621	3786	---

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

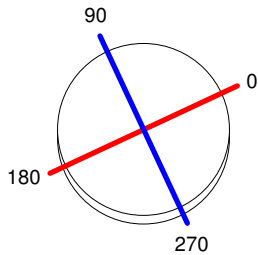
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Measurem.

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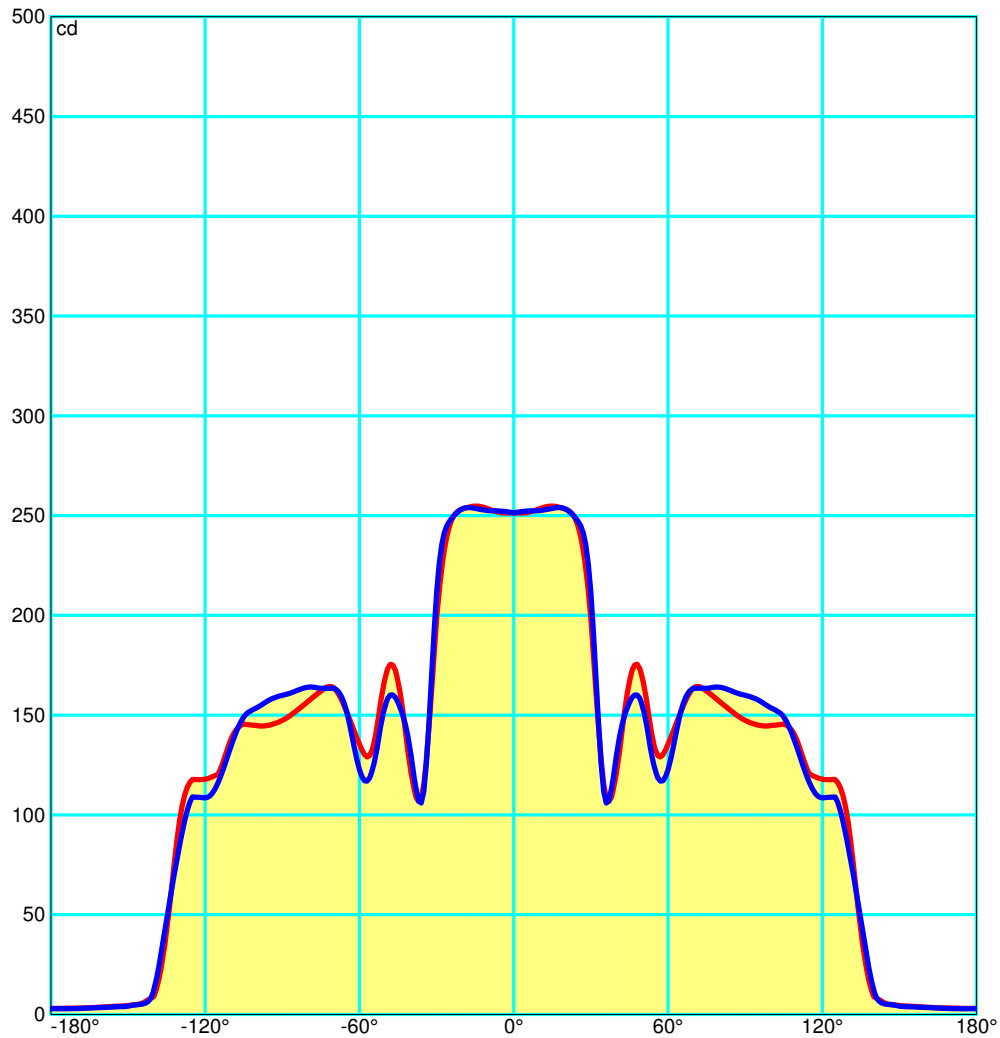
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Diam=210mm



Semiplanos C

180.0 ———— 0.0
 270.0 ———— 90.0



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Lamps Flux	2680.00 lm	Maximum value	254.77 cd	Position	C=0.00 G=15.00	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	13.7	14.8	14.4	15.6	16.6	13.8	14.9	14.5	15.7	16.6
x=2H y=3H	16.6	17.6	17.3	18.4	19.5	16.8	17.8	17.5	18.6	19.5
x=2H y=4H	17.9	18.9	18.7	19.7	21.0	18.2	19.2	19.0	20.0	21.0
x=2H y=6H	19.2	20.1	20.0	20.9	22.3	19.5	20.4	20.3	21.2	22.3
x=2H y=8H	19.8	20.6	20.6	21.5	22.9	20.2	21.0	21.0	21.9	22.9
x=2H y=12H	20.4	21.2	21.2	22.0	23.5	20.8	21.6	21.6	22.4	23.5
x=4H y=2H	14.9	15.8	15.7	16.6	17.7	15.0	15.9	15.7	16.7	17.7
x=4H y=3H	17.9	18.8	18.8	19.6	20.9	18.2	19.0	19.0	19.8	20.9
x=4H y=4H	19.4	20.2	20.3	21.1	22.4	19.8	20.5	20.6	21.4	22.4
x=4H y=6H	20.8	21.5	21.7	22.4	23.9	21.2	21.9	22.1	22.8	23.9
x=4H y=8H	21.5	22.1	22.4	23.0	24.6	22.0	22.6	22.8	23.5	24.6
x=4H y=12H	22.1	22.7	23.0	23.6	25.2	22.6	23.2	23.5	24.1	25.2
x=8H y=4H	20.2	20.8	21.1	21.7	23.1	20.4	21.1	21.3	21.9	23.1
x=8H y=6H	21.8	22.4	22.7	23.3	24.7	22.2	22.7	23.1	23.6	24.7
x=8H y=8H	22.7	23.1	23.6	24.1	25.6	23.1	23.5	24.0	24.5	25.6
x=8H y=12H	23.5	23.9	24.4	24.8	26.5	23.9	24.4	24.9	25.3	26.5
x=12H y=4H	20.3	20.9	21.2	21.8	23.1	20.5	21.1	21.4	22.0	23.1
x=12H y=6H	22.1	22.6	23.0	23.5	24.9	22.4	22.9	23.3	23.8	24.9
x=12H y=8H	23.0	23.5	24.0	24.4	25.9	23.4	23.8	24.3	24.7	25.9

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Flujo Total=2680.00 Flujo Luminaria=1826.65

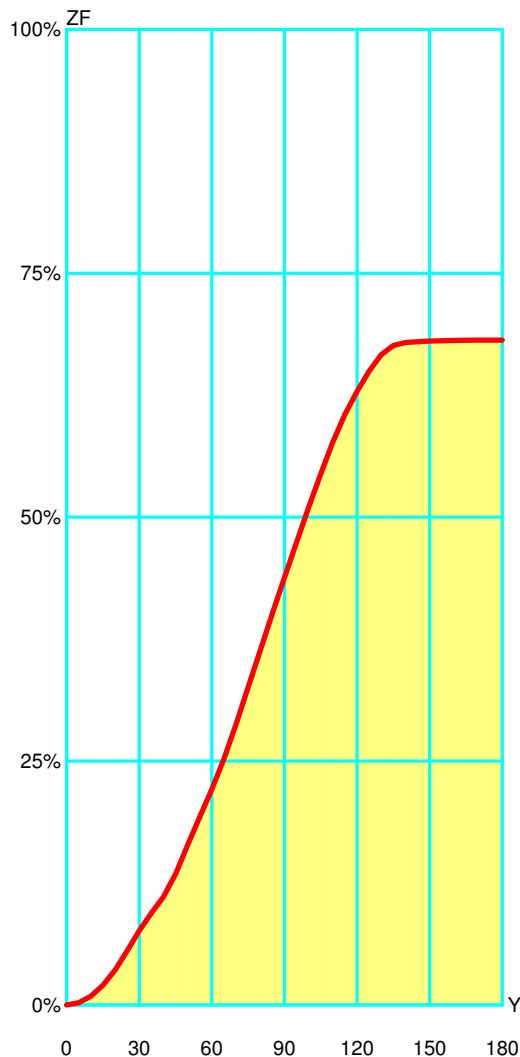
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.17	0.23	0.28	0.34	0.39	0.47	0.53	0.57	0.64	0.69	0.80	0.88
RC	9	9	9	9	9	9	9	9	9	9	9	9

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)	9	36	76	111	164	221	288	363	438	510	577	629	667	679	680	681	681	682

 Códigos de Flujo C.I.E.
 27 50 75 64 68

C.I.E.	9	LOR	68.15856 %
D DIN 5040	B11	ULOR	24.35232 %
F UTE	0.44 J + 0.24 T	DLOR	43.80623 %
B NBN	BZ 7 / 1 / BZ 8	UFF	35.72893 %
RN	35.72893 %	DFF	64.27107 %
BLF	1.0	FFR	55.59100 %



Gamma °	Flujo Zonal			
	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	2.25	2.25	0.33 %	0.33 %
10°	6.75	8.99	0.99 %	1.32 %
15°	11.23	20.22	1.65 %	2.97 %
20°	15.60	35.83	2.29 %	5.26 %
25°	19.47	55.30	2.86 %	8.11 %
30°	20.87	76.18	3.06 %	11.18 %
35°	17.80	93.98	2.61 %	13.79 %
40°	16.78	110.76	2.46 %	16.25 %
45°	23.37	134.13	3.43 %	19.68 %
50°	29.55	163.68	4.34 %	24.02 %
55°	29.11	192.79	4.27 %	28.29 %
60°	28.09	220.88	4.12 %	32.41 %
65°	31.26	252.14	4.59 %	36.99 %
70°	35.57	287.71	5.22 %	42.21 %
75°	37.84	325.55	5.55 %	47.76 %
80°	37.90	363.45	5.56 %	53.32 %
85°	37.60	401.05	5.52 %	58.84 %
90°	37.01	438.06	5.43 %	64.27 %
95°	36.28	474.34	5.32 %	69.59 %
100°	35.51	509.84	5.21 %	74.80 %
105°	34.48	544.32	5.06 %	79.86 %
110°	32.60	576.92	4.78 %	84.64 %
115°	28.40	605.32	4.17 %	88.81 %
120°	23.64	628.96	3.47 %	92.28 %
125°	20.76	649.72	3.05 %	95.33 %
130°	16.80	666.52	2.46 %	97.79 %
135°	9.44	675.97	1.39 %	99.18 %
140°	3.11	679.07	0.46 %	99.63 %
145°	0.87	679.94	0.13 %	99.76 %
150°	0.51	680.46	0.08 %	99.83 %
155°	0.39	680.84	0.06 %	99.89 %
160°	0.29	681.13	0.04 %	99.93 %
165°	0.21	681.34	0.03 %	99.96 %
170°	0.14	681.48	0.02 %	99.98 %
175°	0.08	681.56	0.01 %	100.00 %
180°	0.03	681.59	0.00 %	100.00 %

Luminaire

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Measurement

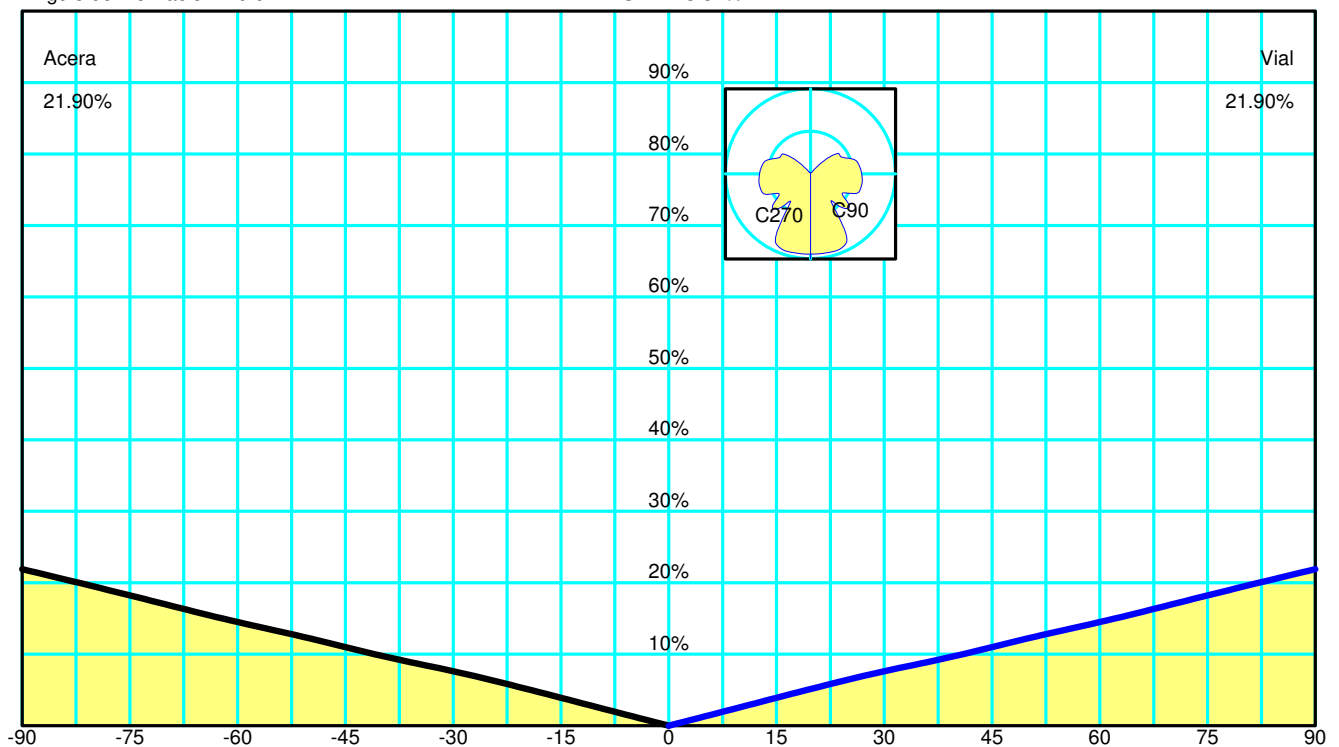
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Pavement			Road		
Piano	0	0.00%	Piano	0	0.00%
Piano	-5	1.29%	Piano	5	1.29%
Piano	-10	2.59%	Piano	10	2.59%
Piano	-15	3.90%	Piano	15	3.90%
Piano	-20	5.19%	Piano	20	5.19%
Piano	-25	6.45%	Piano	25	6.45%
Piano	-30	7.62%	Piano	30	7.62%
Piano	-35	8.68%	Piano	35	8.68%
Piano	-40	9.78%	Piano	40	9.78%
Piano	-45	11.00%	Piano	45	11.00%
Piano	-50	12.22%	Piano	50	12.22%
Piano	-55	13.36%	Piano	55	13.36%
Piano	-60	14.50%	Piano	60	14.50%
Piano	-65	15.70%	Piano	65	15.70%
Piano	-70	16.97%	Piano	70	16.97%
Piano	-75	18.23%	Piano	75	18.23%
Piano	-80	19.47%	Piano	80	19.47%
Piano	-85	20.70%	Piano	85	20.70%
Piano	-90	21.90%	Piano	90	21.90%

Ángulo de Inclinación = 0.0

DLOR = 43.81%



Spread	28.5° Estrecho	DLOR	43.80623 %
Throw	13.7° Corto	ULOR	24.35232 %
SLI (deslumbramiento)	Concentrado	Rendimiento	68.15856 %
Cutoff CIE	No Cutoff - Max: C=0.0° Gamma=15.0°	RN	35.72893 %
Cutoff lesna	No Cutoff	Clase de Intensidad Luminosa	GU
DIN5044	--	Índice de Deslumbramiento	D5

IESNA Type VS Very Short Quadrilateral Symmetry

Luminaire

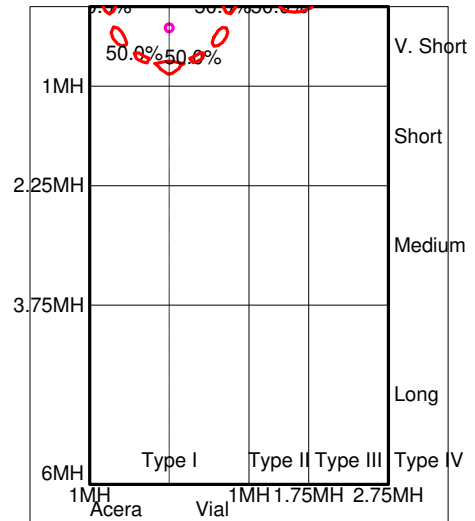
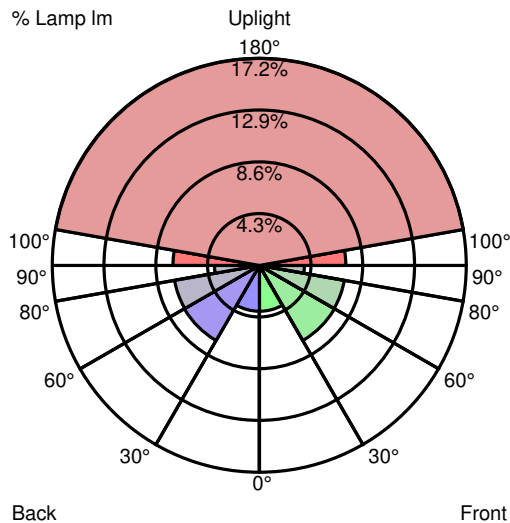
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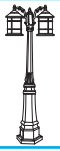
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US ROAD STANDARDS



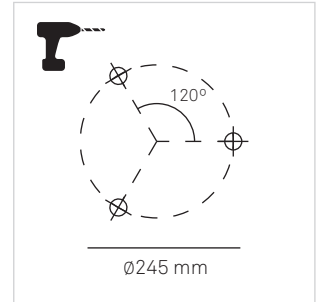
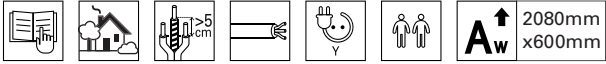
Luminaire Classification System (LCS)			
LCS Zone		Lumens	%Lamp %Lum
FL	0° -- 30°	102.1 lm	3.8 % 5.6 %
FM	30° -- 60°	192.9 lm	7.2 % 10.6 %
FH	60° -- 80°	191.8 lm	7.2 % 10.5 %
FVH	80° -- 90°	100.0 lm	3.7 % 5.5 %
BL	0° -- 30°	102.1 lm	3.8 % 5.6 %
BM	30° -- 60°	192.9 lm	7.2 % 10.6 %
BH	60° -- 80°	191.8 lm	7.2 % 10.5 %
BVH	80° -- 90°	100.0 lm	3.7 % 5.5 %
UL	90° -- 100°	192.3 lm	7.2 % 10.5 %
UH	100° -- 180°	460.7 lm	17.2 % 25.2 %
TOTALS		1826.6 lm	68.2 % 100.0 %
BUG B1 U3 G1 Type VS Very Short Quadrilateral Symmetry			



Siros

PX-0027

FOR
LIGHT



1 Turn the switch to OFF.

2

3

4

5

6

7

8

9 Turn the switch to ON.

