

**PX-0179-NEG**

Aplique IP23 STRONG E27 15W Negro 464lm

**CARACTERÍSTICAS TÉCNICAS**

IP23 IK04



Potencia total luminaria : 15W

Lúmenes reales : 464

Lm / W reales : 23

Material de la estructura : PMMA

Acabado estructura : Negro

Material del difusor : Cristal

Acabado difusor : Transparente

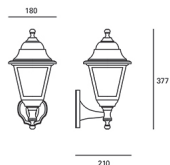
Medida máx. de la bombilla : 120/ mm

Bombilla recomendada : E27

Voltaje / Frecuencia : 100-240V ~ 50/60Hz

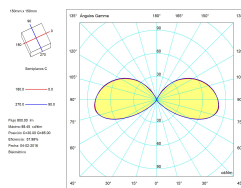
Garantía : 2 Años

Resistencia ambientes marinos : Sí



**CARACTERÍSTICAS LUMINOTÉCNICAS**

Portalámparas	Cantidad	Potencia fuente de luz (W)	Temperatura de color correlacionada (CCT)
E27	1	Potencia máx. 15W	-



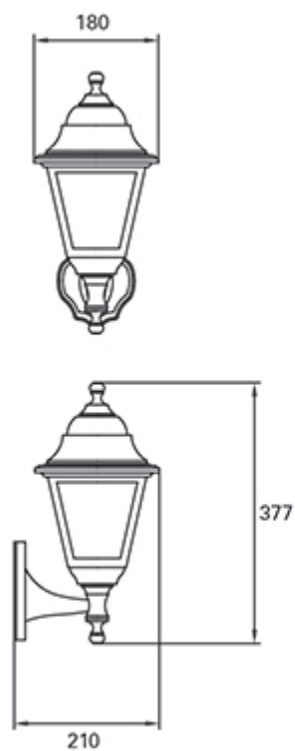
**LOGÍSTICA**

Peso neto (Kg): 0.9

Peso embalado (Kg): 1.18

Embalaje: 200mm x 190mm x 200mm





**Luminaire**

Code PX-0179-NEG  
Name STRONG E27

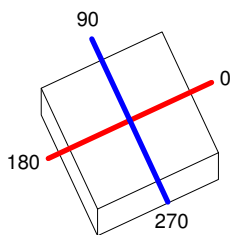
**Measurement**

Code PX-0179-NEG  
Name STRONG E27

Luminaire Flux	463.85 lm	Luminaire Power	15.00 W	Efficacy	30.92 lm/W	Efficiency	57.98%
Lamps Flux	800.00 lm	Maximum value	70.76 cd	Position	C=30.00 G=85.00	CG	Double Symmetrical
Rectangular Luminaire Rectangular Luminous Area	Length Length	150 mm 150 mm	Width Width	150 mm 150 mm	Height Height	160 mm 160 mm	
Horizontal Luminous Area Emitting area on Plane 0° Emitting area on Plane 90°	0.022500 m2 0.024000 m2 0.024000 m2	Emitting area on Plane 180° Emitting area on Plane 270° Glare area at 76°	0.024000 m2 0.024000 m2 0.028730 m2				
Coordinate system Date Measurement Distance	CG 04-02-2016 0.00	Symmetry Type Maximum Gamma Angle Measurement Flux	Double Symmetrical 180 800.00 lm				
Operator Temperature Humidity Notes	25.00 °C 60.00 %	Source Voltage [V] Source current [A] Photocell					

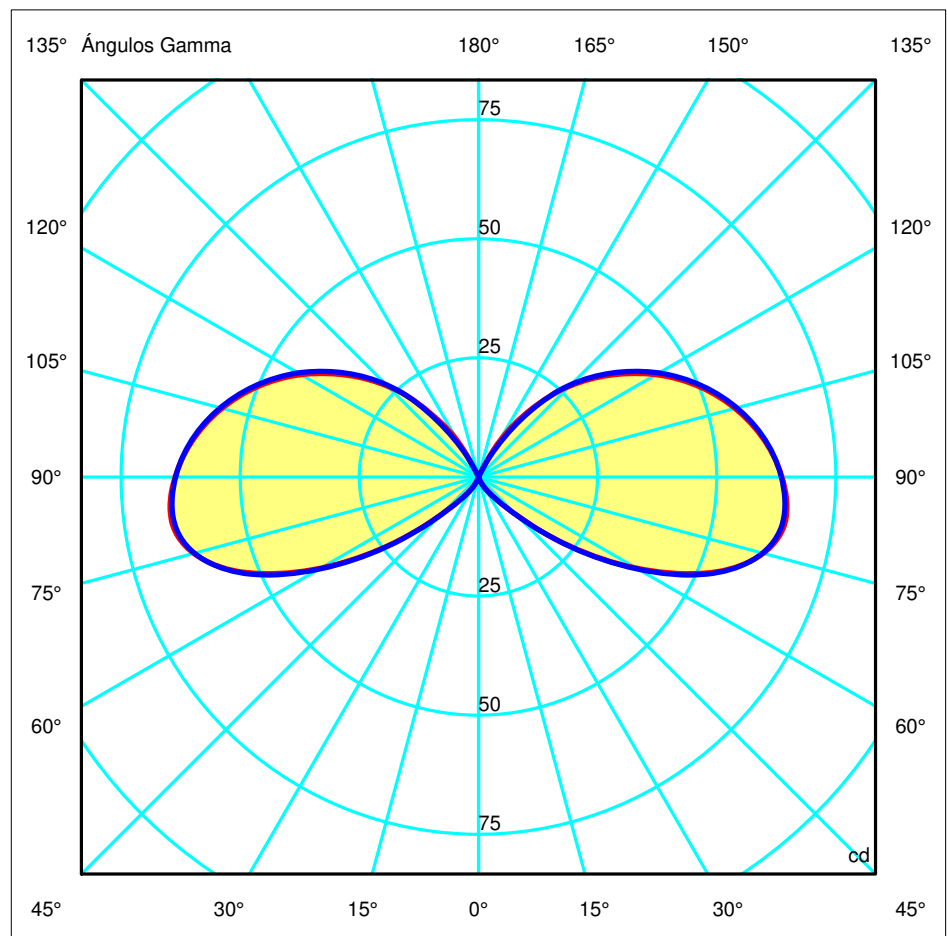
Line	Code	Luminaire Lamps Name	Flux [lm]	Pow. [W]	Q.ty
	PLED15	PLED15	800.00	15.00	1
C.I.E. F UTE	2 16 53 47 58 --	D DIN 5040 B NBN	C12 BZ 10		

150mm x 150mm



Semiplanos C  
180.0 — 0.0  
270.0 — 90.0

ULOR 30.87 %  
DLOR 27.11 %  
RN 53.25 %



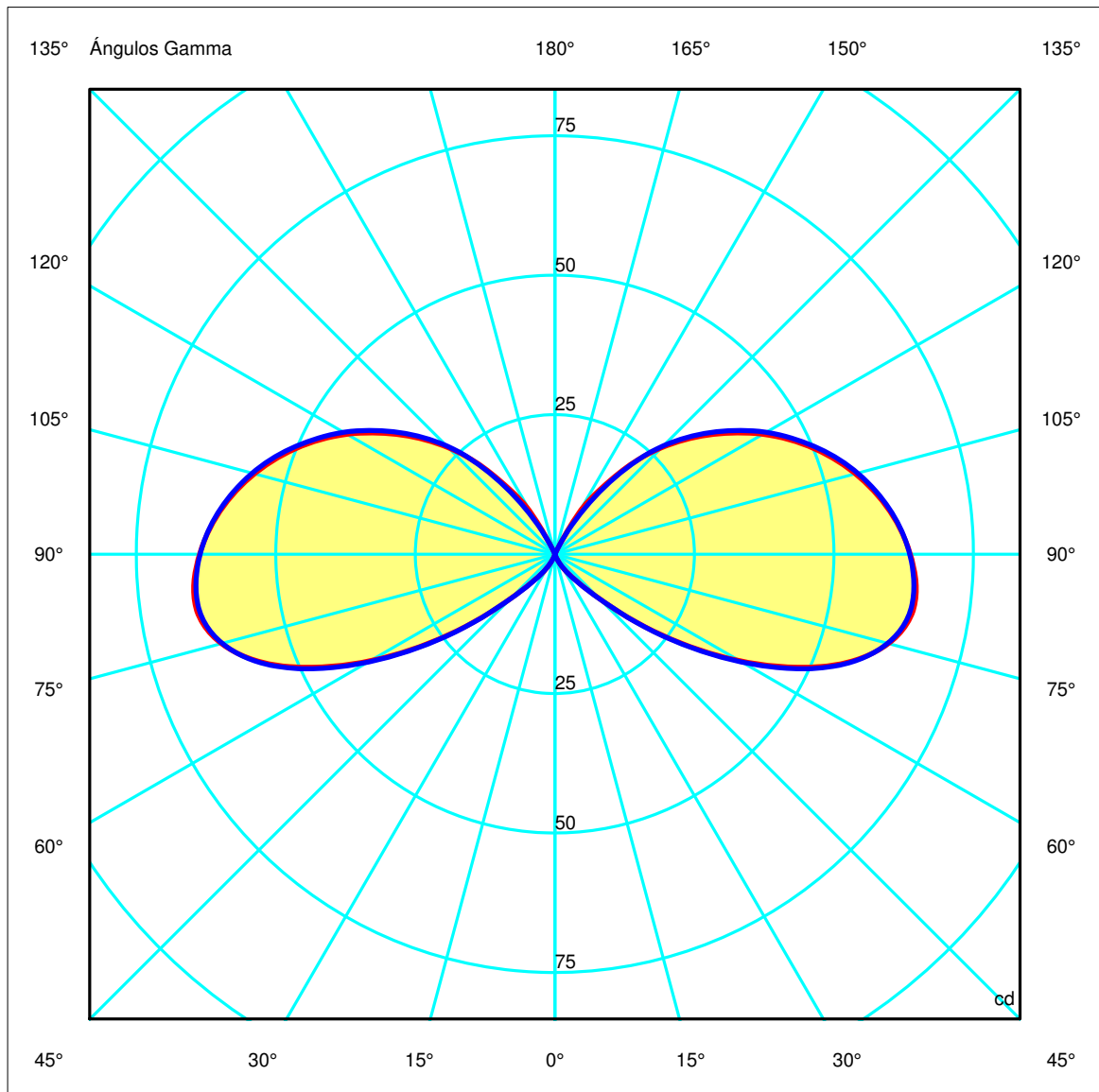
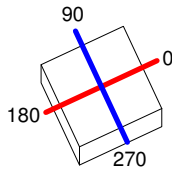
**Luminaire**  
 Code PX-0179-NEG  
 Name STRONG E27  
**Measurem.**  
 Code PX-0179-NEG  
 Name STRONG E27

Luminaire Flux	463.85 lm	Luminaire Power	15.00 W	Efficacy	30.92 lm/W	Efficiency	57.98%
Lamps Flux	800.00 lm	Maximum value	70.76 cd	Position	C=30.00 G=85.00	CG	Double Symmetrical

150mm x 150mm

Semiplanos C

180.0 ——— 0.0  
 270.0 ——— 90.0





---

**Luminaire**Code PX-0179-NEG  
Name STRONG E27**Measurem.**Code PX-0179-NEG  
Name STRONG E27

---

Luminaire Flux	463.85 lm	Luminaire Power	15.00 W	Efficacy	30.92 lm/W	Efficiency	57.98%
Lamps Flux	800.00 lm	Maximum value	70.76 cd	Position	C=30.00 G=85.00	CG	Double Symmetrical

---

Apertura a la derecha no hallada, gamma =83

Apertura a la derecha no hallada, gamma =83

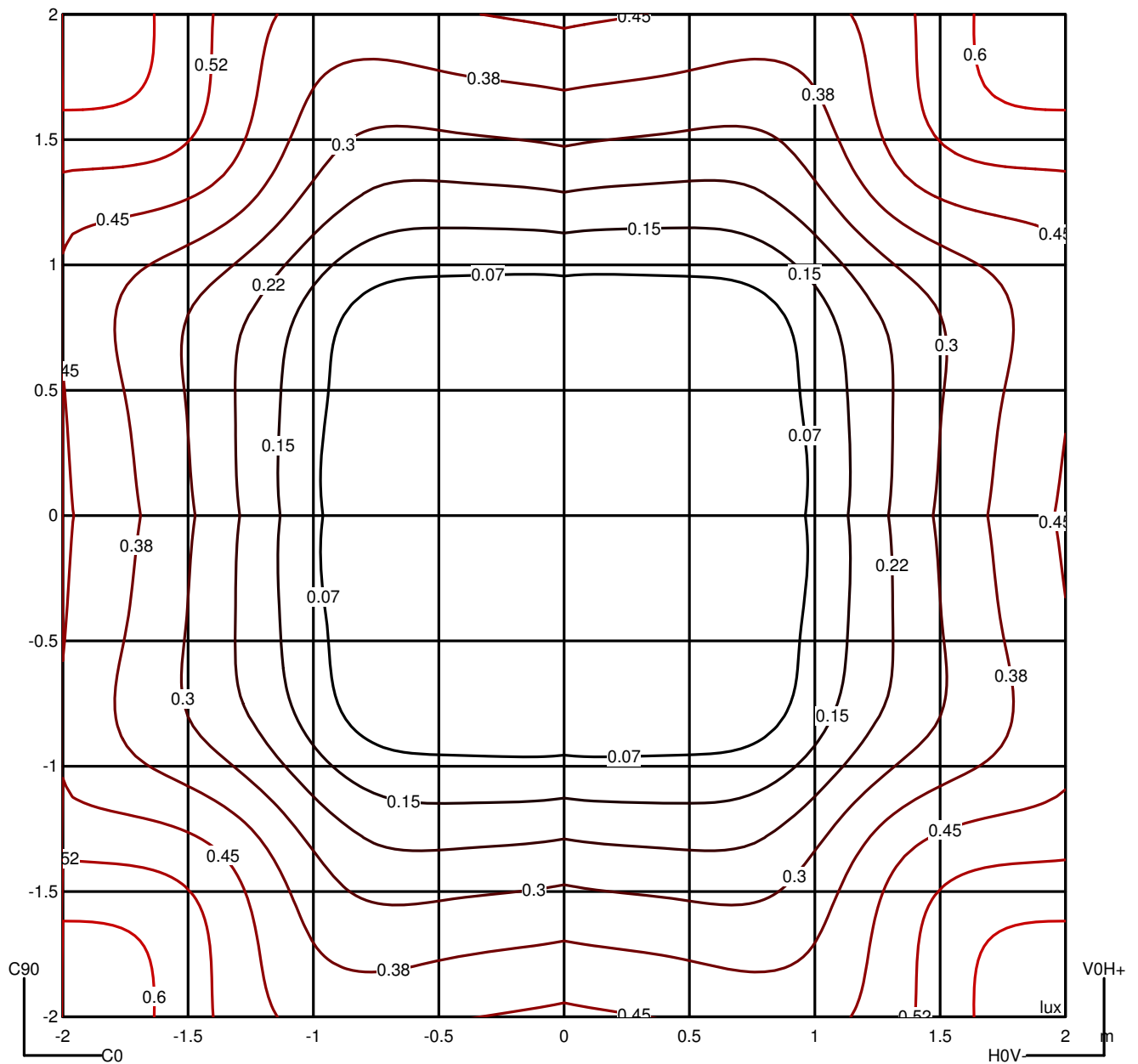
Apertura a la derecha no hallada, gamma =83

**Luminaire**  
 Code PX-0179-NEG  
 Name STRONG E27  
**Measurement**  
 Code PX-0179-NEG  
 Name STRONG E27

Luminaire Flux	463.85 lm	Luminaire Power	15.00 W	Efficacy	30.92 lm/W	Efficiency	57.98%
Lamps Flux	800.00 lm	Maximum value	70.76 cd	Position	C=30.00 G=85.00	CG	Double Symmetrical

Isolux (Floor)

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

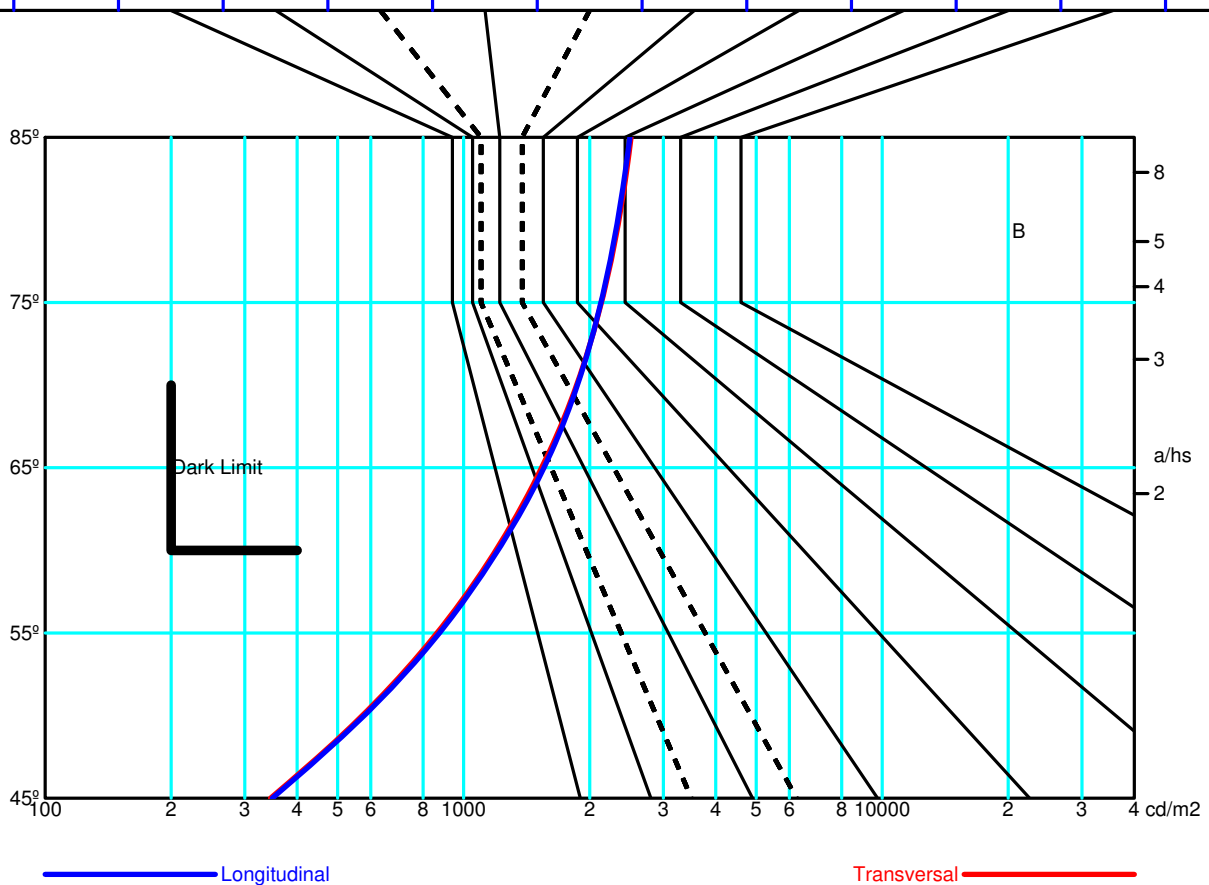


**Luminaire**  
 Code PX-0179-NEG  
 Name STRONG E27  
**Measurement**  
 Code PX-0179-NEG  
 Name STRONG E27

Luminaire Flux	463.85 lm	Luminaire Power	15.00 W	Efficacy	30.92 lm/W	Efficiency	57.98%
Lamps Flux	800.00 lm	Maximum value	70.76 cd	Position	C=30.00 G=85.00	CG	Double Symmetrical

		Average Luminance [cd/m <sup>2</sup> ]									
		45°	50°	55°	60°	65°	70°	75°	80°	85°	
0.0°		346	572	864	1194	1535	1862	2133	2351	2511	---
90.0°		349	578	875	1207	1556	1869	2128	2334	2496	---

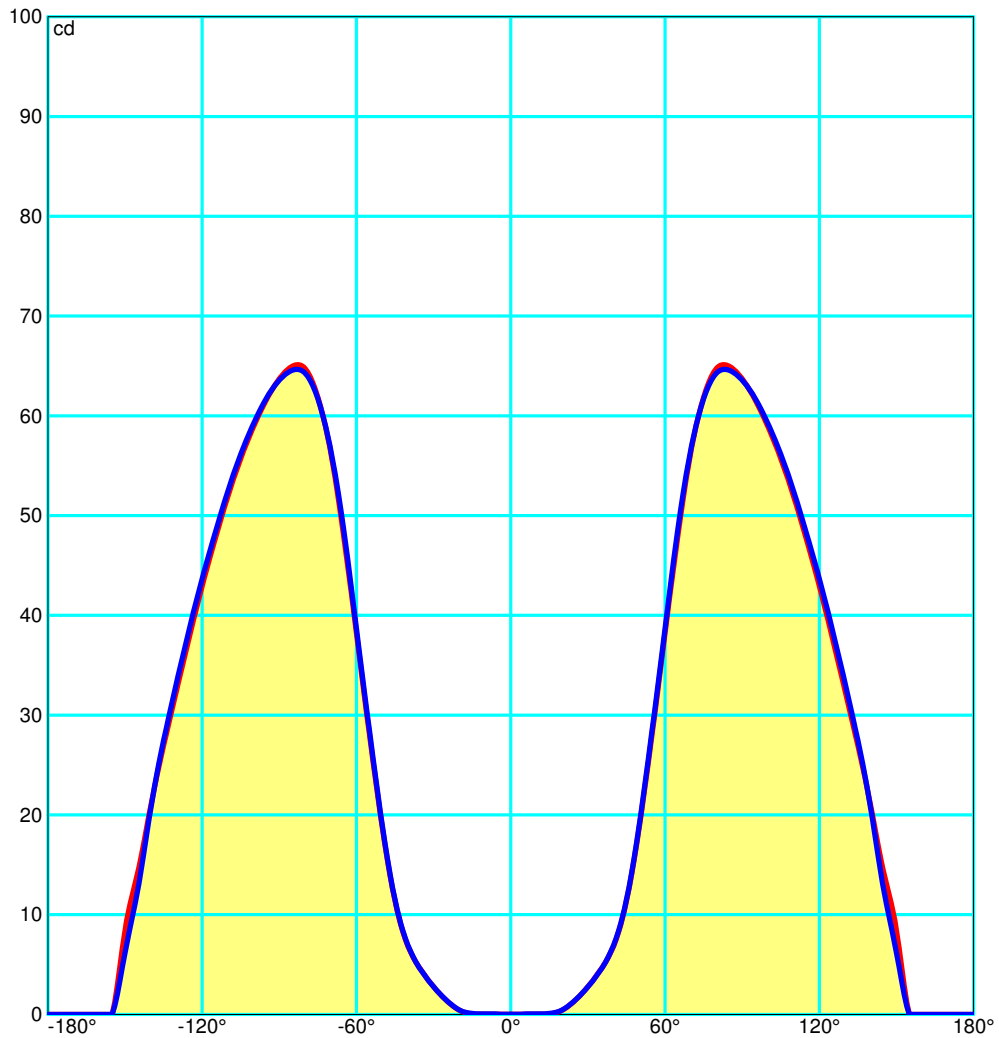
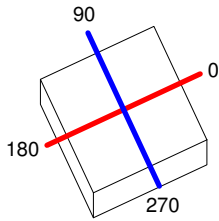
Flujo montado o vista transversal												
		Iluminancia (lx)										
A	A	2000	1000	750	500		<300					1.15
B	1		2000	1500	1000	750	500	<300				1.5
C					2000		1000	500	<300			1.85
D	2						2000	1000	500	<300		2.2
E	3							2000	1000	500	<300	2.55



**Luminaire**  
 Code PX-0179-NEG  
 Name STRONG E27  
**Measurement.**  
 Code PX-0179-NEG  
 Name STRONG E27

Luminaire Flux	463.85 lm	Luminaire Power	15.00 W	Efficacy	30.92 lm/W	Efficiency	57.98%
Lamps Flux	800.00 lm	Maximum value	70.76 cd	Position	C=30.00 G=85.00	CG	Double Symmetrical

150mm x 150mm





**Luminaire**

Code PX-0179-NEG  
Name STRONG E27

**Measurement**

Code PX-0179-NEG  
Name STRONG E27

Luminaire Flux	463.85 lm	Luminaire Power	15.00 W	Efficacy	30.92 lm/W	Efficiency	57.98%
Lamps Flux	800.00 lm	Maximum value	70.76 cd	Position	C=30.00 G=85.00	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	7.9	8.9	8.8	9.9	11.1	7.8	8.8	8.7	9.8	11.1
x=2H y=3H	12.9	13.9	13.9	14.9	16.1	12.8	13.8	13.8	14.8	16.1
x=2H y=4H	15.2	16.1	16.1	17.1	18.3	15.1	16.0	16.0	17.0	18.3
x=2H y=6H	17.2	18.0	18.1	19.0	20.3	17.1	17.9	18.1	19.0	20.3
x=2H y=8H	18.1	18.9	19.1	19.9	21.2	18.0	18.8	19.0	19.9	21.2
x=2H y=12H	19.0	19.8	19.9	20.8	22.1	18.9	19.7	19.9	20.7	22.1
x=4H y=2H	9.2	10.1	10.2	11.1	12.4	9.2	10.1	10.1	11.1	12.4
x=4H y=3H	14.2	15.0	15.1	16.0	17.2	14.0	14.8	15.0	15.8	17.2
x=4H y=4H	16.5	17.2	17.5	18.2	19.4	16.3	17.0	17.3	18.1	19.4
x=4H y=6H	18.6	19.3	19.6	20.3	21.5	18.5	19.1	19.5	20.2	21.5
x=4H y=8H	19.6	20.2	20.6	21.2	22.5	19.4	20.1	20.4	21.1	22.5
x=4H y=12H	20.5	21.1	21.5	22.1	23.4	20.4	21.0	21.4	22.0	23.4
x=8H y=4H	17.1	17.8	18.2	18.8	20.1	17.0	17.7	18.0	18.7	20.1
x=8H y=6H	19.5	20.0	20.5	21.1	22.3	19.3	19.9	20.4	20.9	22.3
x=8H y=8H	20.6	21.1	21.7	22.2	23.4	20.5	21.0	21.5	22.0	23.4
x=8H y=12H	21.7	22.1	22.8	23.2	24.5	21.6	22.0	22.6	23.1	24.5
x=12H y=4H	17.3	17.9	18.3	18.9	20.2	17.2	17.8	18.2	18.8	20.2
x=12H y=6H	19.7	20.2	20.7	21.2	22.5	19.6	20.1	20.6	21.1	22.5
x=12H y=8H	20.9	21.3	22.0	22.4	23.7	20.8	21.2	21.8	22.3	23.7

**Luminaire**  
 Code PX-0179-NEG  
 Name STRONG E27  
**Measur.**  
 Code PX-0179-NEG  
 Name STRONG E27

Luminaire Flux	463.85 lm	Luminaire Power	15.00 W	Efficacy	30.92 lm/W	Efficiency	57.98%
Lamps Flux	800.00 lm	Maximum value	70.76 cd	Position	C=30.00 G=85.00	CG	Double Symmetrical

Flujo Total=800.00 Flujo Luminaria=463.85

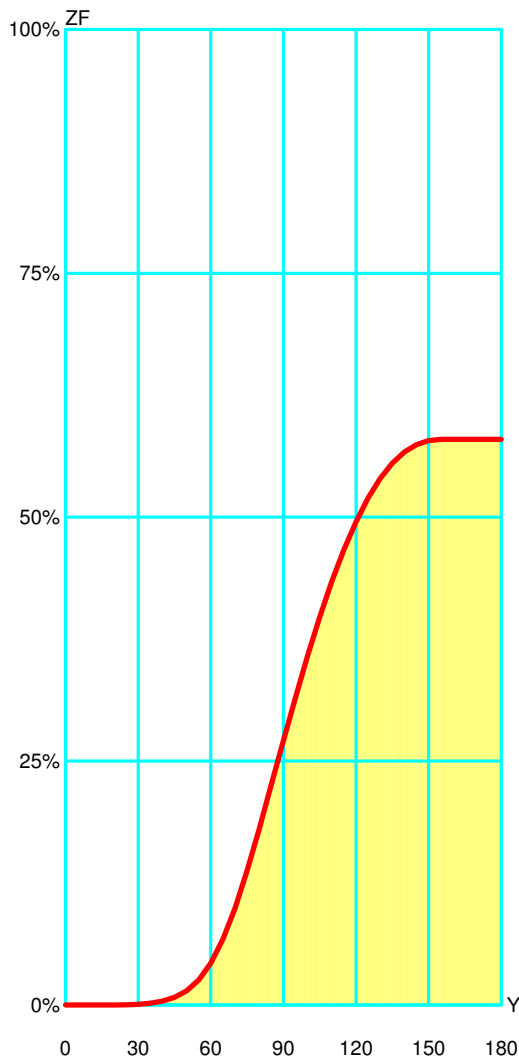
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.02	0.04	0.06	0.10	0.14	0.21	0.28	0.34	0.42	0.49	0.67	0.80
RC	-	-	-	-	-	-	-	-	-	-	-	-

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	0	1	4	14	43	99	181	271	358	434	495	540	567	579	580	580	580

Códigos de Flujo C.I.E.  
 2 16 53 47 58

C.I.E.	-/-/-/-/-/-/-/-/-/-	LOR	57.98151 %
D DIN 5040	C12	ULOR	30.87285 %
F UTE	--	DLOR	27.10866 %
B NBN	BZ 10	UFF	53.24603 %
RN	53.24603 %	DFF	46.75397 %
BLF	1.0	FFR	113.88559 %



Gamma °	Flujo Zonal			
	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	0.00	0.00	0.00%	0.00 %
10°	0.00	0.00	0.00%	0.00 %
15°	0.01	0.01	0.00%	0.00 %
20°	0.04	0.05	0.01%	0.01 %
25°	0.17	0.21	0.03%	0.04 %
30°	0.51	0.73	0.09%	0.13 %
35°	1.14	1.87	0.20%	0.32 %
40°	2.15	4.02	0.37%	0.69 %
45°	3.79	7.81	0.65%	1.35 %
50°	6.62	14.43	1.14%	2.49 %
55°	11.13	25.56	1.92%	4.41 %
60°	17.29	42.85	2.98%	7.39 %
65°	24.51	67.36	4.23%	11.62 %
70°	31.91	99.28	5.50%	17.12 %
75°	38.37	137.65	6.62%	23.74 %
80°	42.90	180.55	7.40%	31.14 %
85°	45.14	225.69	7.79%	38.92 %
90°	45.40	271.09	7.83%	46.75 %
95°	44.38	315.46	7.65%	54.41 %
100°	42.44	357.90	7.32%	61.73 %
105°	39.75	397.66	6.86%	68.58 %
110°	36.45	434.10	6.29%	74.87 %
115°	32.66	466.77	5.63%	80.50 %
120°	28.58	495.35	4.93%	85.43 %
125°	24.34	519.69	4.20%	89.63 %
130°	20.01	539.70	3.45%	93.08 %
135°	15.70	555.40	2.71%	95.79 %
140°	11.51	566.91	1.98%	97.77 %
145°	7.52	574.42	1.30%	99.07 %
150°	4.13	578.55	0.71%	99.78 %
155°	1.26	579.82	0.22%	100.00 %
160°	0.00	579.82	0.00%	100.00 %
165°	0.00	579.82	0.00%	100.00 %
170°	0.00	579.82	0.00%	100.00 %
175°	0.00	579.82	0.00%	100.00 %
180°	0.00	579.82	0.00%	100.00 %

**Luminaire**

Code PX-0179-NEG  
Name STRONG E27

**Measur.**

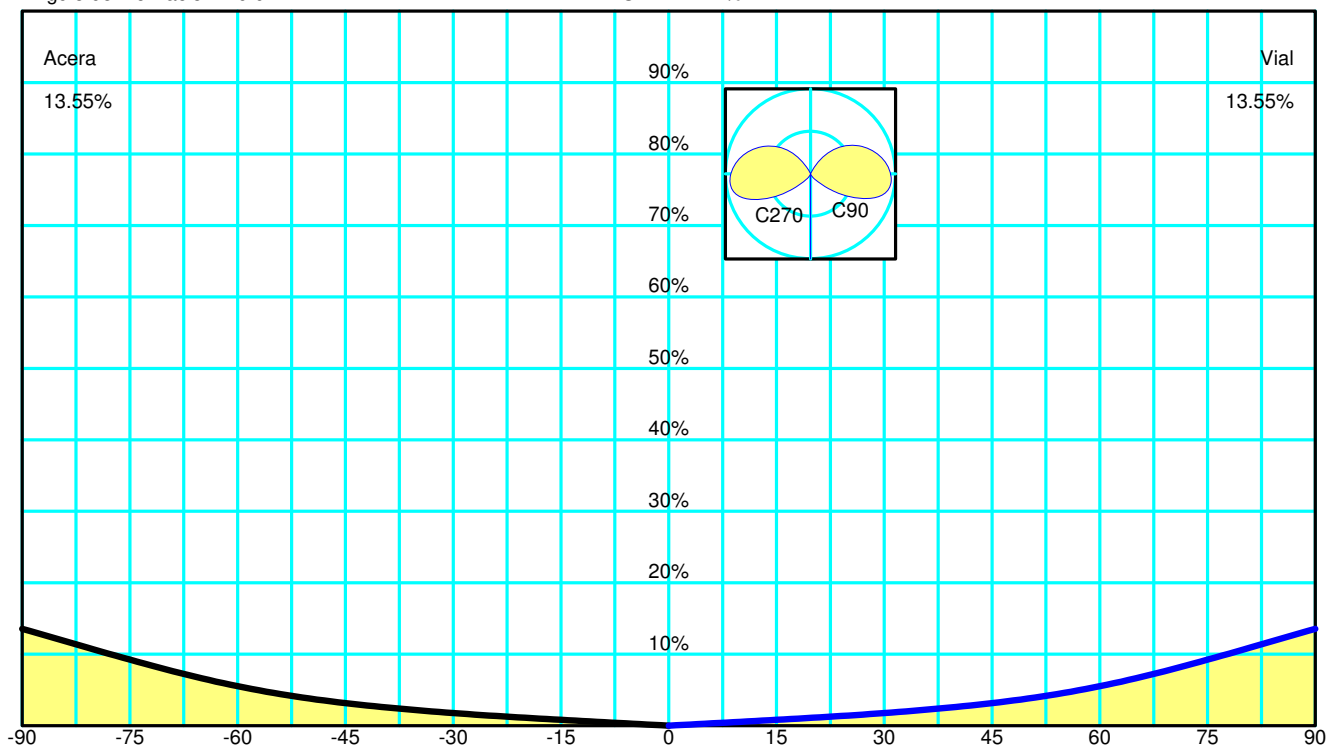
Code PX-0179-NEG  
Name STRONG E27

Luminaire Flux	463.85 lm	Luminaire Power	15.00 W	Efficacy	30.92 lm/W	Efficiency	57.98%
Lamps Flux	800.00 lm	Maximum value	70.76 cd	Position	C=30.00 G=85.00	CG	Double Symmetrical

Pavement			Road		
Piano	0	0.00%	Piano	0	0.00%
Piano	-5	0.27%	Piano	5	0.27%
Piano	-10	0.54%	Piano	10	0.54%
Piano	-15	0.82%	Piano	15	0.82%
Piano	-20	1.11%	Piano	20	1.11%
Piano	-25	1.42%	Piano	25	1.42%
Piano	-30	1.77%	Piano	30	1.77%
Piano	-35	2.16%	Piano	35	2.16%
Piano	-40	2.62%	Piano	40	2.62%
Piano	-45	3.15%	Piano	45	3.15%
Piano	-50	3.80%	Piano	50	3.80%
Piano	-55	4.58%	Piano	55	4.58%
Piano	-60	5.52%	Piano	60	5.52%
Piano	-65	6.63%	Piano	65	6.63%
Piano	-70	7.88%	Piano	70	7.88%
Piano	-75	9.24%	Piano	75	9.24%
Piano	-80	10.66%	Piano	80	10.66%
Piano	-85	12.11%	Piano	85	12.11%
Piano	-90	13.55%	Piano	90	13.55%

Ángulo de Inclinación = 0.0

DLOR = 27.11%



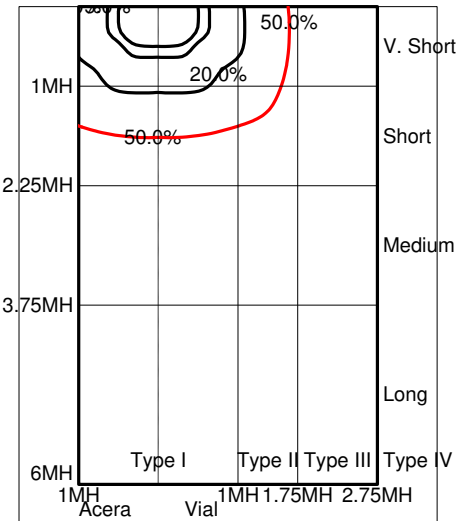
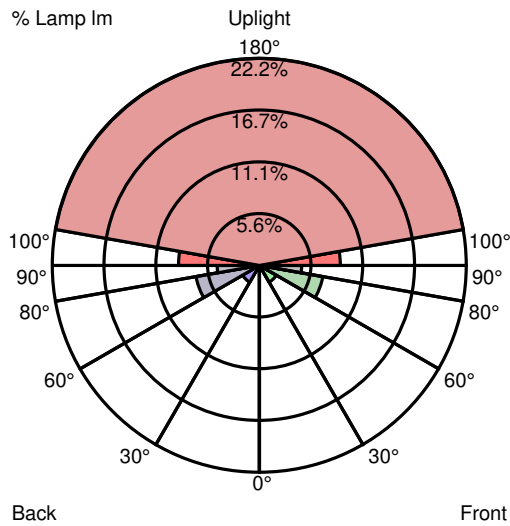
Spread	0.0° Estrecho	DLOR	27.10866 %
Throw	87.3° Largo	ULOR	30.87285 %
SLI (deslumbramiento)	Concentrado	Rendimiento	57.98151 %
Cutoff CIE	No Cutoff - Max: C=30.0° Gamma=85.0°	RN	53.24603 %
Cutoff lesna	No Cutoff	Clase de Intensidad Luminosa	GU
DIN5044	--	Índice de Deslumbramiento	D6

IESNA Type VS Very Long Quadrilateral Symmetry

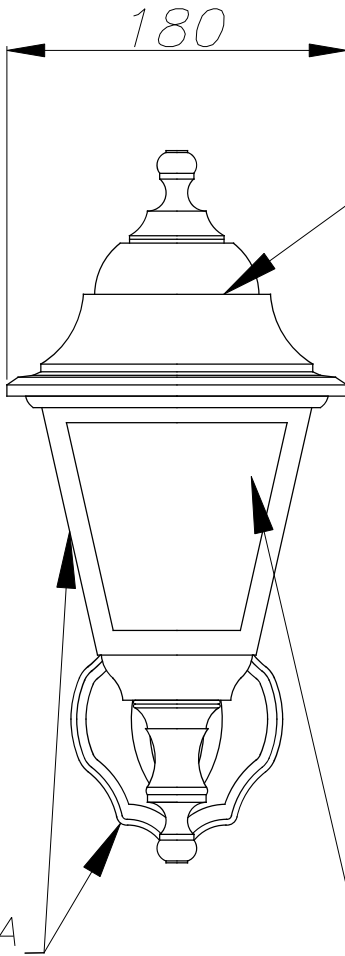
**Luminaire**  
 Code PX-0179-NEG  
 Name STRONG E27  
**Measur.**  
 Code PX-0179-NEG  
 Name STRONG E27

Luminaire Flux	463.85 lm	Luminaire Power	15.00 W	Efficacy	30.92 lm/W	Efficiency	57.98%
Lamps Flux	800.00 lm	Maximum value	70.76 cd	Position	C=30.00 G=85.00	CG	Double Symmetrical

US ROAD STANDARDS



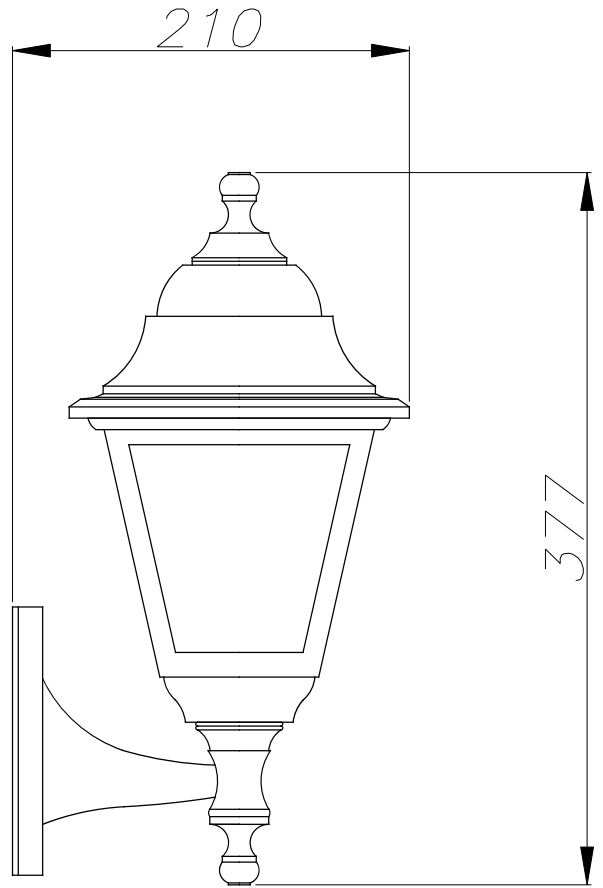
Luminaire Classification System (LCS)				
LCS Zone		Lumens	%Lamp	%Lum
FL	0° -- 30°	0.3 lm	0.0 %	0.1 %
FM	30° -- 60°	16.7 lm	2.1 %	3.6 %
FH	60° -- 80°	55.2 lm	6.9 %	11.9 %
FVH	80° -- 90°	36.2 lm	4.5 %	7.8 %
BL	0° -- 30°	0.3 lm	0.0 %	0.1 %
BM	30° -- 60°	16.7 lm	2.1 %	3.6 %
BH	60° -- 80°	55.2 lm	6.9 %	11.9 %
BVH	80° -- 90°	36.2 lm	4.5 %	7.8 %
UL	90° -- 100°	69.4 lm	8.7 %	15.0 %
UH	100° -- 180°	177.6 lm	22.2 %	38.3 %
<b>TOTALS</b>		<b>463.9 lm</b>	<b>58.0 %</b>	<b>100.0 %</b>
BUG B0 U3 G1 Type VS Very Long Quadrilateral Symmetry				



PMMA  
PMMA

PMMA  
PMMA

CRISTAL TRANSPARENTE  
TRANSPARENT GLASS



377

