

**TECHNICAL FEATURES**



Luminaire total power : 48W

Real lumens : 3662

Nominal lumens : 5100

Real lm/W : 76

Lens / reflector angle : HORIZONTAL 113°

Structure material : Aluminium

Structure finish : Black

Diffuser material : Glass

Diffuser finish : Transparent

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

Power Factor : 0.96

Useful life : 36.000h L70B30

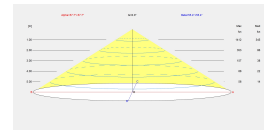
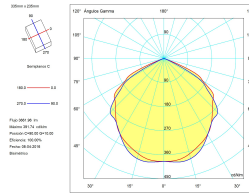
Warranty : 3 Years

Easily recyclable luminaire

**LUMINOTECHNIC FEATURES**

CRI: 70

Lampholder	Quantity	Light source power (W)	Correlated Colour Temperature (CCT)
LED	1	45W	3000K



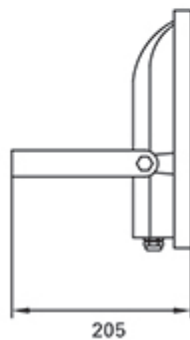
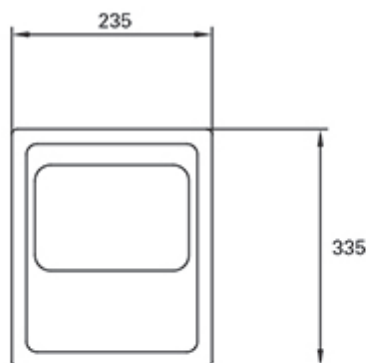
**LOGISTICS**

Net weight (kg): 2.01

Packaged weight (kg): 2.52

Packaging: 270mm x 120mm x 320mm





**Luminaire**

Code PX-0117-NEG  
 Name Foco ADVANCE led 50W 3000K

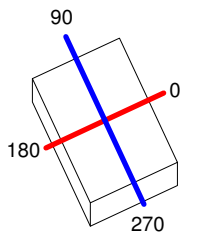
**Measurement**

Code PX-0113-NEG  
 Name Foco ADVANCE led 50W 3000K

Luminaire Flux	3661.92 lm	Luminaire Power	50.00 W	Efficacy	73.24 lm/W	Efficiency	100.00%
Lamps Flux	3661.96 lm	Maximum value	1434.55 cd	Position	C=90.00 G=10.00	CG	Double Symmetrical
Rectangular Luminaire Rectangular Luminous Area	Length Length	335 mm 60 mm	Width Width	235 mm 70 mm	Height Height	40 mm 0 mm	
Horizontal Luminous Area Emitting area on Plane 0° Emitting area on Plane 90°	0.004200 m2 0.000000 m2 0.000000 m2	Emitting area on Plane 180° Emitting area on Plane 270° Glare area at 76°	0.000000 m2 0.000000 m2 0.001016 m2				
Coordinate system Date Measurement Distance	CG 08-04-2016 0.00	Symmetry Type Maximum Gamma Angle Measurement Flux	Double Symmetrical 90 3661.96 lm				
Operator Temperature Humidity Notes	Asselum T3 25.00 °C 60.00 %	Source Voltage [V] Source current [A] Photocell					

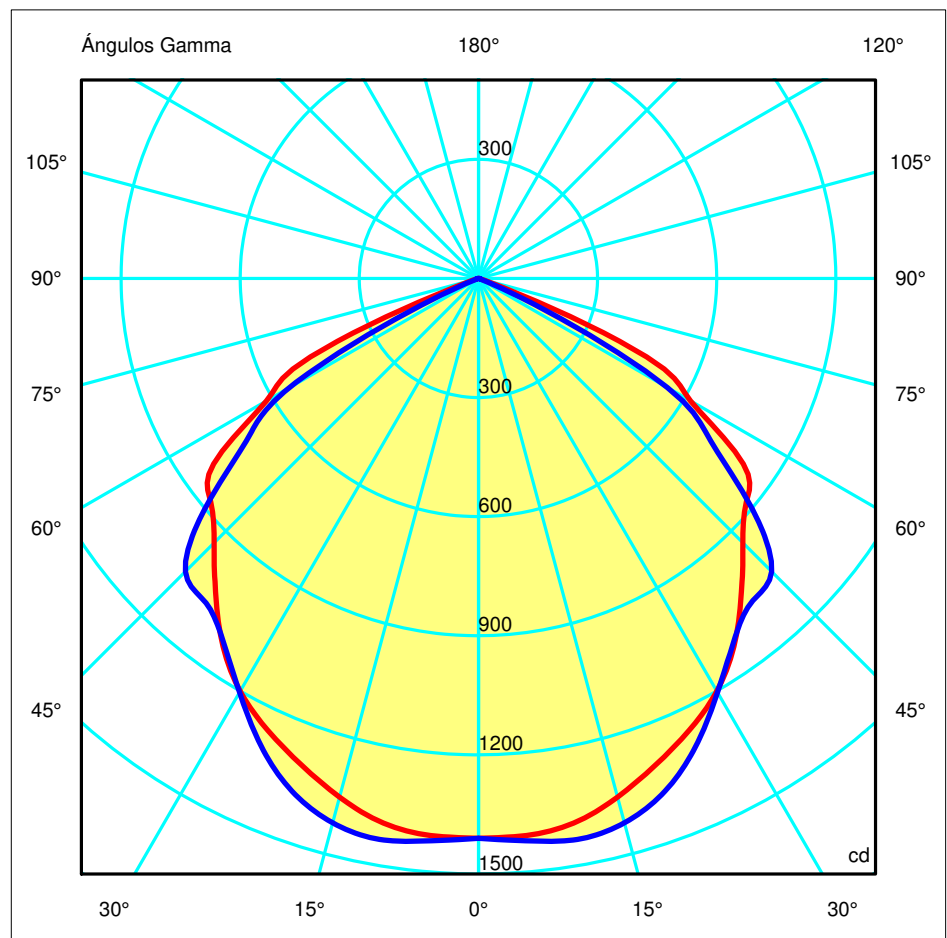
Line	Code	Luminaire Lamps	Flux [lm]	Pow. [W]	Q.ty
	PX-0117-NEG	Name PX-0117-NEG - 50.00 W	3661.96	50.00	1
C.I.E. F UTE	52 89 100 100 100 1.00 D	D DIN 5040 B NBN	A40 BZ 4 / 1 / BZ 3		

335mm x 235mm



Semiplanos C  
 180.0 — 0.0  
 270.0 — 90.0

ULOR 0.00 %  
 DLOR 100.00 %  
 RN 0.00 %



**Luminaire**

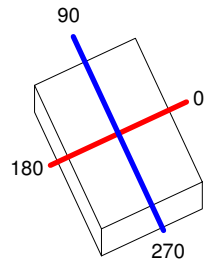
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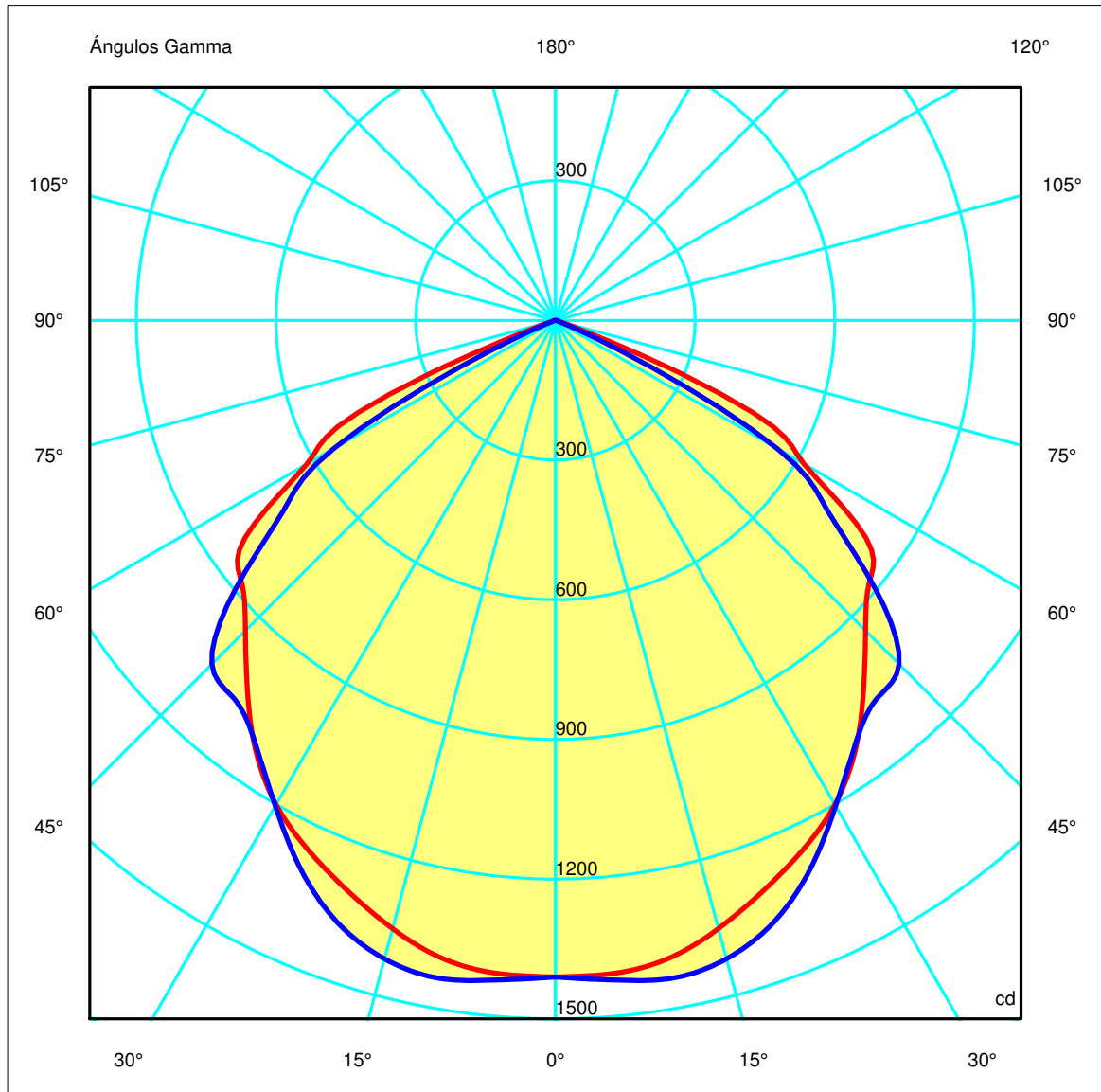
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335mm x 235mm



Semiplanos C

180.0 ——— 0.0  
 270.0 ——— 90.0



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**Measur.**

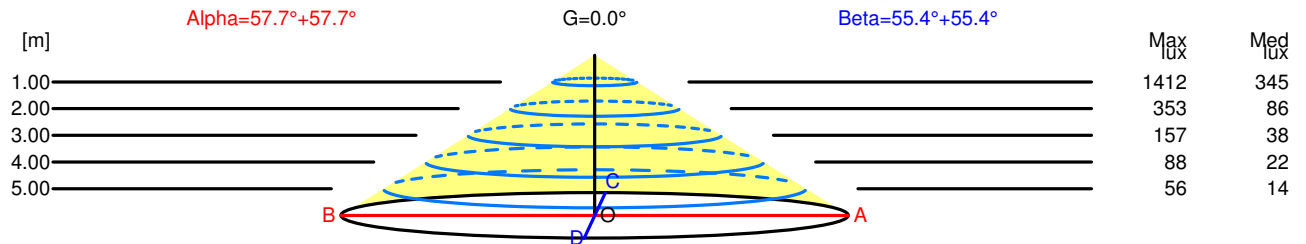
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Width at 50.00 % of Max Intensity

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	1.58	3.16	4.75	6.33	7.91	OC	1.45	2.90	4.34	5.79	7.24
OB	1.58	3.16	4.75	6.33	7.91	OD	1.45	2.90	4.34	5.79	7.24

	Luminous Intensities [ cd ]									
	0	5	15	25	35	45	55	65	75	85
OA	1409.90	1408.16	1352.27	1255.63	1124.04	941.96	814.25	467.05	6.70	2.17
OB	1409.90	1408.16	1352.27	1255.63	1124.04	941.96	814.25	467.05	6.70	2.17
OC	1409.90	1421.72	1419.24	1297.45	1119.23	1043.79	713.95	157.48	6.42	2.70
OD	1409.90	1421.72	1419.24	1297.45	1119.23	1043.79	713.95	157.48	6.42	2.70



H[m]	D[m]	Max lux	Med lux	Alpha=57.7°+57.7°	G=0.0
1.00	3.16	1412	345		
2.00	6.33	353	86		
3.00	9.49	157	38		
4.00	12.66	88	22		
5.00	15.82	56	14		

H[m]	D[m]	Max lux	Med lux	Beta=55.4°+55.4°	G=0.0
1.00	2.90	1412	345		
2.00	5.79	353	86		
3.00	8.69	157	38		
4.00	11.58	88	22		
5.00	14.48	56	14		

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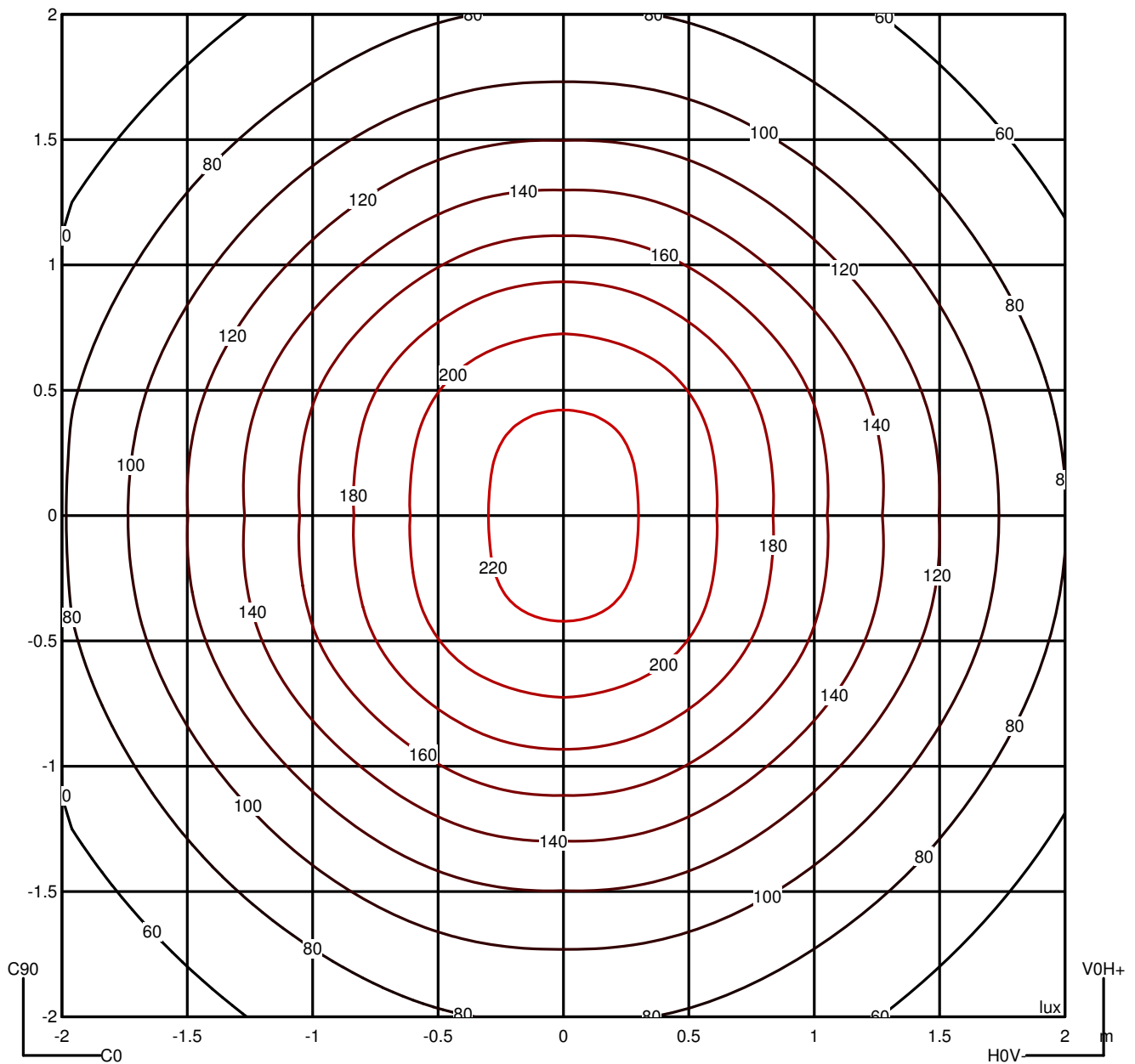
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Isolux (Floor)

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



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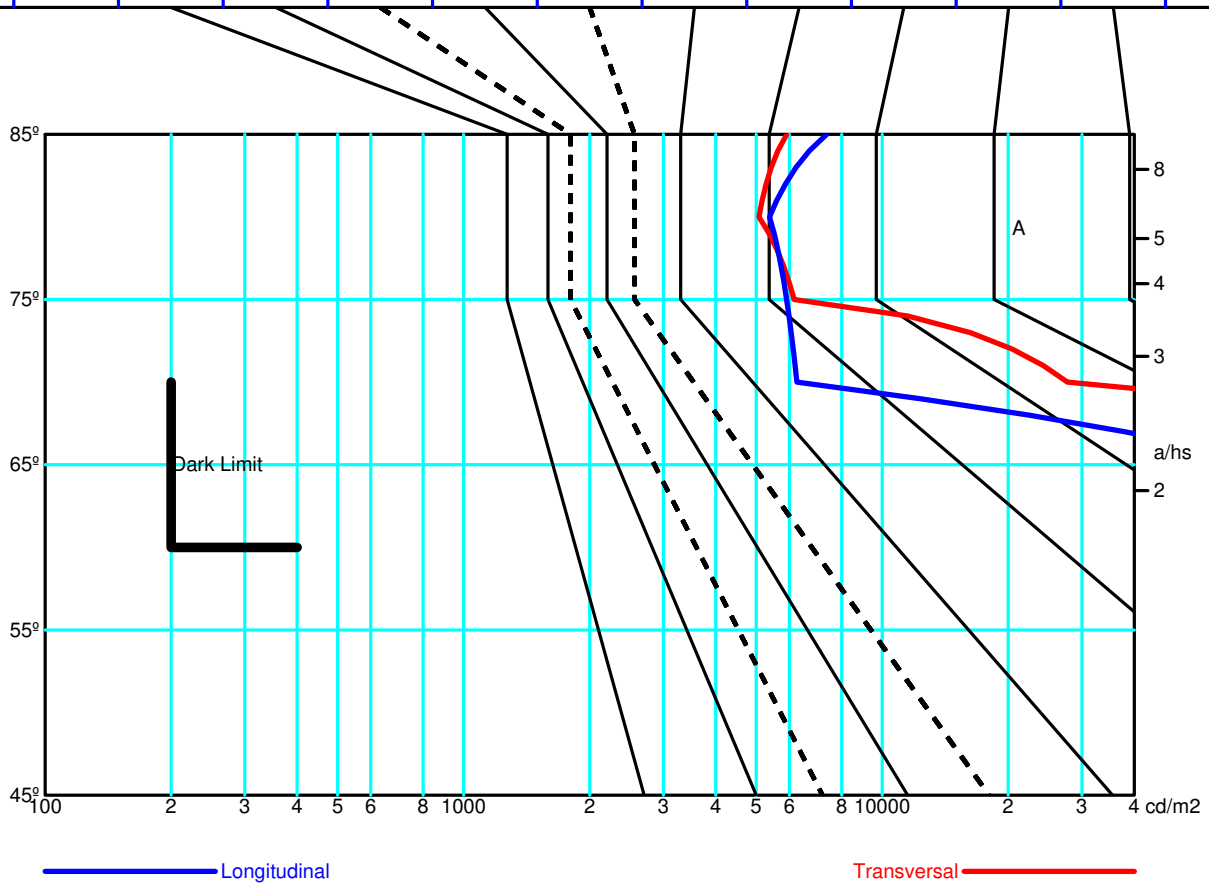
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		Average Luminance [cd/m <sup>2</sup> ]									
		45°	50°	55°	60°	65°	70°	75°	80°	85°	
0.0°		317176	325613	337999	293607	263128	27703	6160	5076	5915	---
90.0°		351462	332318	296363	261688	88720	6252	5904	5380	7365	---

Flujo montado o vista longitudinal												
		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**

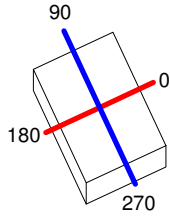
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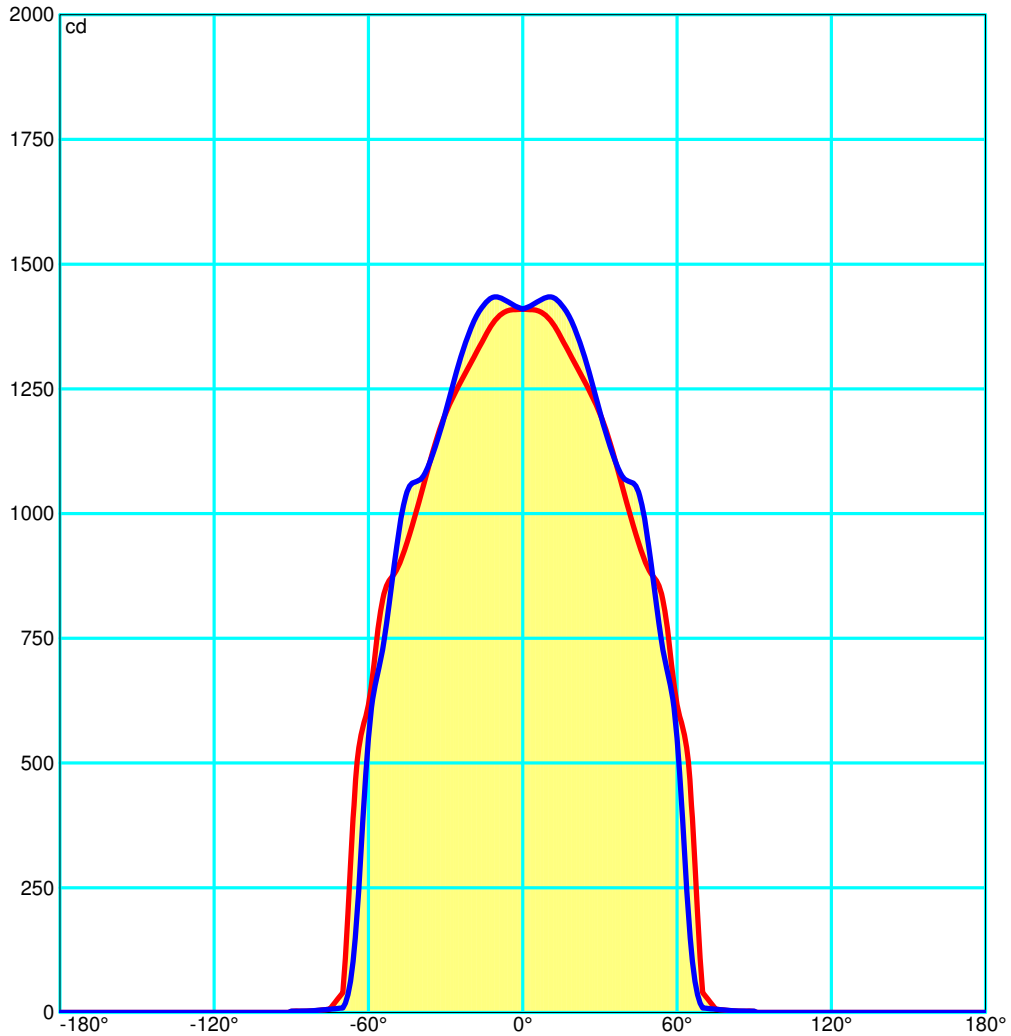
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335mm x 235mm



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	33.0	34.2	33.3	34.4	34.1	32.4	33.7	32.7	33.9	34.1
x=2H y=3H	33.5	34.6	33.8	34.9	34.0	32.4	33.5	32.7	33.7	34.0
x=2H y=4H	33.4	34.5	33.8	34.8	33.9	32.3	33.3	32.6	33.6	33.9
x=2H y=6H	33.4	34.3	33.7	34.6	33.8	32.2	33.2	32.6	33.5	33.8
x=2H y=8H	33.3	34.2	33.7	34.5	33.7	32.2	33.1	32.5	33.4	33.7
x=2H y=12H	33.3	34.1	33.7	34.5	33.7	32.2	33.0	32.5	33.3	33.7
x=4H y=2H	33.7	34.7	34.0	35.0	34.8	33.2	34.3	33.6	34.5	34.8
x=4H y=3H	34.3	35.1	34.6	35.4	34.7	33.2	34.1	33.6	34.4	34.7
x=4H y=4H	34.2	34.9	34.6	35.3	34.6	33.2	33.9	33.5	34.3	34.6
x=4H y=6H	34.1	34.8	34.5	35.2	34.5	33.1	33.7	33.5	34.1	34.5
x=4H y=8H	34.1	34.7	34.5	35.1	34.4	33.1	33.6	33.5	34.0	34.4
x=4H y=12H	34.1	34.6	34.5	35.0	34.4	33.0	33.5	33.5	34.0	34.4
x=8H y=4H	34.1	34.7	34.5	35.1	34.5	33.1	33.7	33.6	34.1	34.5
x=8H y=6H	34.0	34.5	34.5	35.0	34.4	33.1	33.5	33.5	34.0	34.4
x=8H y=8H	34.0	34.4	34.5	34.9	34.4	33.0	33.4	33.5	33.9	34.4
x=8H y=12H	34.0	34.3	34.5	34.8	34.3	33.0	33.4	33.5	33.8	34.3
x=12H y=4H	34.1	34.6	34.5	35.0	34.5	33.1	33.6	33.5	34.0	34.5
x=12H y=6H	34.0	34.4	34.5	34.9	34.4	33.0	33.4	33.5	33.9	34.4
x=12H y=8H	34.0	34.3	34.5	34.8	34.3	33.0	33.4	33.5	33.8	34.3



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Flujo Total=3661.96 Flujo Luminaria=3661.92

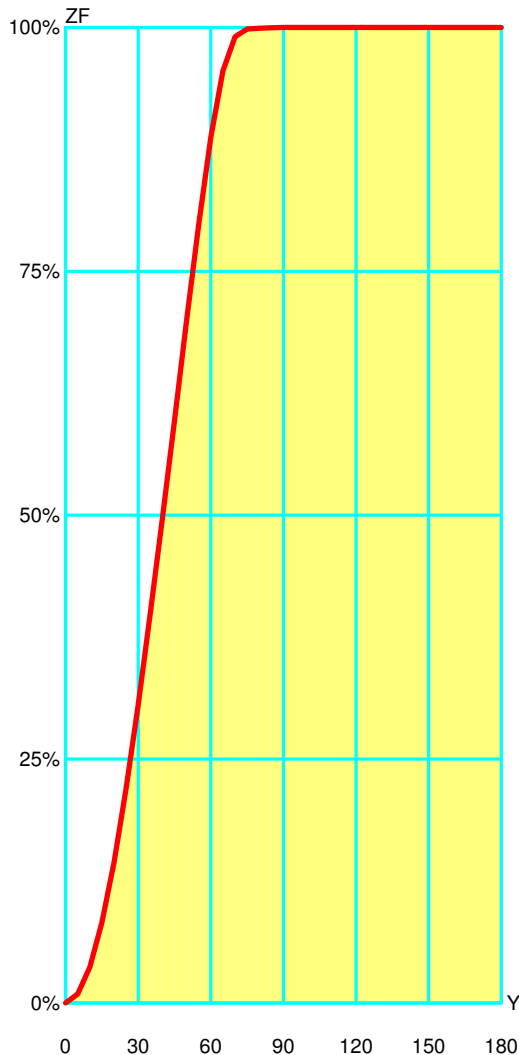
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.33	0.43	0.51	0.59	0.65	0.74	0.79	0.83	0.87	0.89	0.94	0.97
RC	5	4	4	4	4	3	3	3	3	3	3	3

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)	37	144	306	497	700	887	990	999	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

Códigos de Flujo C.I.E.  
52 89 100 100 100

C.I.E.	5/4/4/4/4/3/3/3/3/3/3	LOR	99.99881 %
D DIN 5040	A40	ULOR	0.00000 %
F UTE	1.00 D	DLOR	99.99881 %
B NBN	BZ 4 / 1 / BZ 3	UFF	0.00000 %
RN	0.00000 %	DFF	100.00000 %
BLF	1.0	FFR	0.00000 %



Gamma °	Flujo Zonal			
	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	9.22	9.22	0.92 %	0.92 %
10°	27.67	36.89	2.77 %	3.69 %
15°	45.56	82.45	4.56 %	8.25 %
20°	61.77	144.22	6.18 %	14.42 %
25°	75.47	219.70	7.55 %	21.97 %
30°	86.13	305.82	8.61 %	30.58 %
35°	93.33	399.15	9.33 %	39.92 %
40°	97.66	496.81	9.77 %	49.68 %
45°	100.70	597.51	10.07 %	59.75 %
50°	102.00	699.51	10.20 %	69.95 %
55°	98.64	798.15	9.86 %	79.82 %
60°	88.80	886.96	8.88 %	88.70 %
65°	68.47	955.42	6.85 %	95.54 %
70°	34.94	990.36	3.49 %	99.04 %
75°	8.00	998.37	0.80 %	99.84 %
80°	0.78	999.15	0.08 %	99.92 %
85°	0.49	999.63	0.05 %	99.96 %
90°	0.36	999.99	0.04 %	100.00 %
95°	0.00	999.99	0.00 %	100.00 %
100°	0.00	999.99	0.00 %	100.00 %
105°	0.00	999.99	0.00 %	100.00 %
110°	0.00	999.99	0.00 %	100.00 %
115°	0.00	999.99	0.00 %	100.00 %
120°	0.00	999.99	0.00 %	100.00 %
125°	0.00	999.99	0.00 %	100.00 %
130°	0.00	999.99	0.00 %	100.00 %
135°	0.00	999.99	0.00 %	100.00 %
140°	0.00	999.99	0.00 %	100.00 %
145°	0.00	999.99	0.00 %	100.00 %
150°	0.00	999.99	0.00 %	100.00 %
155°	0.00	999.99	0.00 %	100.00 %
160°	0.00	999.99	0.00 %	100.00 %
165°	0.00	999.99	0.00 %	100.00 %
170°	0.00	999.99	0.00 %	100.00 %
175°	0.00	999.99	0.00 %	100.00 %
180°	0.00	999.99	0.00 %	100.00 %

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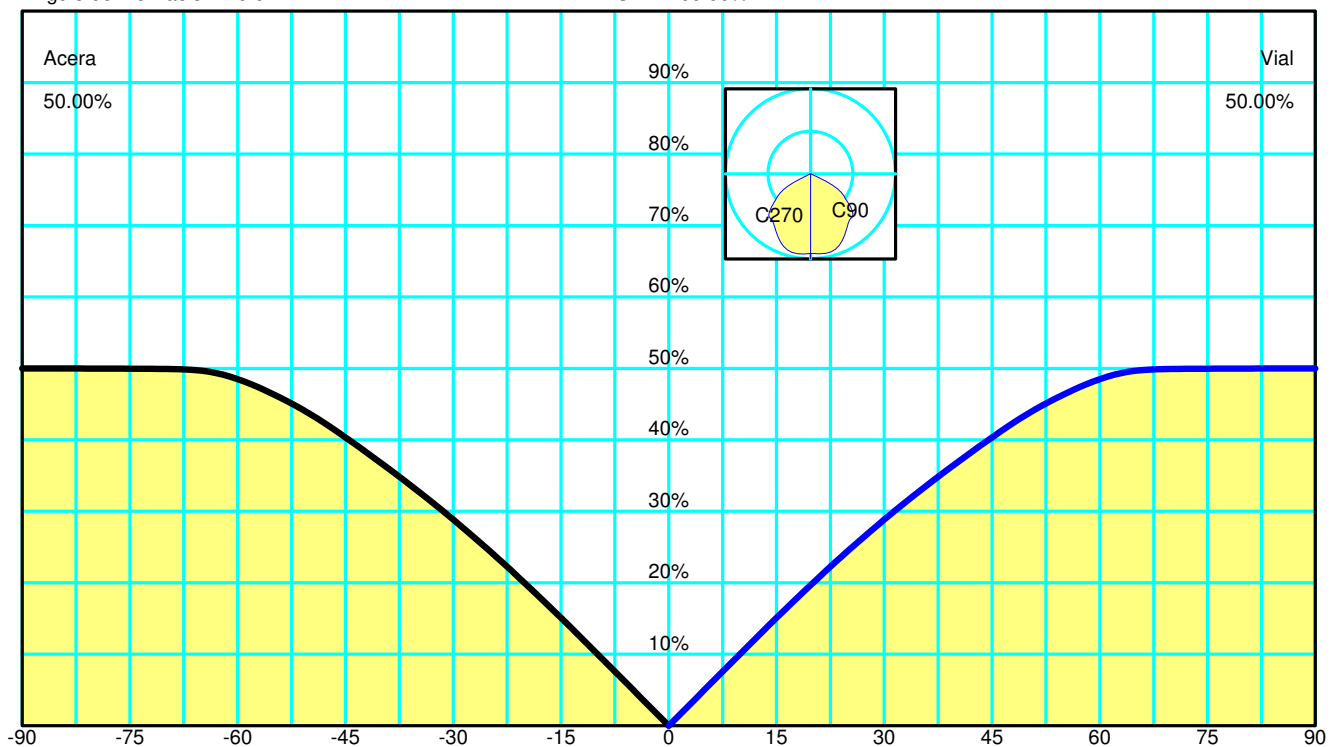
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Pavement			Road		
Piano	0	0.00%	Piano	0	0.00%
Piano	-5	5.05%	Piano	5	5.05%
Piano	-10	10.10%	Piano	10	10.10%
Piano	-15	15.08%	Piano	15	15.08%
Piano	-20	19.91%	Piano	20	19.91%
Piano	-25	24.51%	Piano	25	24.51%
Piano	-30	28.85%	Piano	30	28.85%
Piano	-35	32.91%	Piano	35	32.91%
Piano	-40	36.72%	Piano	40	36.72%
Piano	-45	40.35%	Piano	45	40.35%
Piano	-50	43.66%	Piano	50	43.66%
Piano	-55	46.37%	Piano	55	46.37%
Piano	-60	48.49%	Piano	60	48.49%
Piano	-65	49.67%	Piano	65	49.67%
Piano	-70	49.92%	Piano	70	49.92%
Piano	-75	49.95%	Piano	75	49.95%
Piano	-80	49.97%	Piano	80	49.97%
Piano	-85	49.99%	Piano	85	49.99%
Piano	-90	50.00%	Piano	90	50.00%

Ángulo de Inclinación = 0.0

DLOR = 100.00%



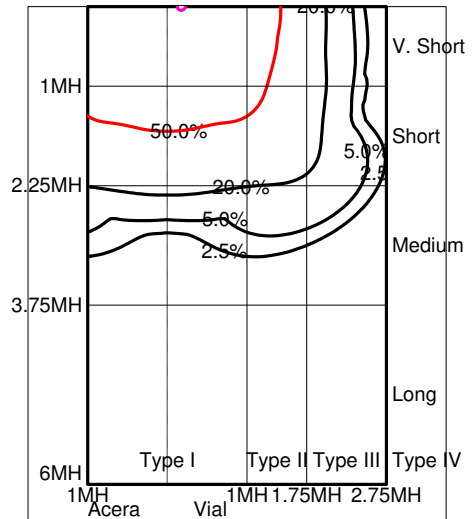
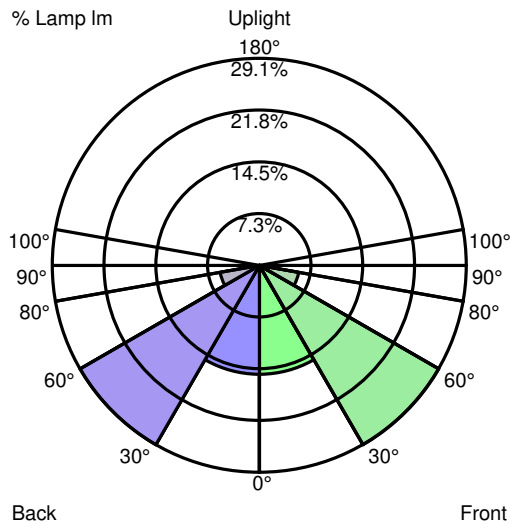
Spread	25.4° Estrecho	DLOR	99.99881 %
Throw	12.7° Corto	ULOR	0.00000 %
SLI (deslumbramiento)	Concentrado	Rendimiento	99.99881 %
Cutoff CIE	Cutoff - Max: C=90.0° Gamma=10.0°	RN	0.00000 %
Cutoff lesna	Cutoff	Clase de Intensidad Luminosa	G5
DIN5044	KB1	Índice de Deslumbramiento	D6

IESNA Type VS Very Short Quadrilateral Symmetry

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US ROAD STANDARDS



Luminaire Classification System (LCS)			
LCS Zone		Lumens	%Lamp
FL	0° -- 30°	559.8 lm	15.3 %
FM	30° -- 60°	1064.6 lm	29.1 %
FH	60° -- 80°	205.1 lm	5.6 %
FVH	80° -- 90°	1.5 lm	0.0 %
BL	0° -- 30°	559.8 lm	15.3 %
BM	30° -- 60°	1064.6 lm	29.1 %
BH	60° -- 80°	205.1 lm	5.6 %
BVH	80° -- 90°	1.5 lm	0.0 %
UL	90° -- 100°	0.0 lm	0.0 %
UH	100° -- 180°	0.0 lm	0.0 %
TOTALS		3661.9 lm	100.0 %
BUG B2 U0 G0 Type VS Very Short Quadrilateral Symmetry			

