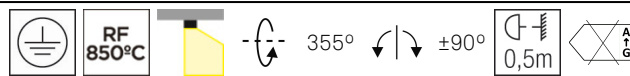
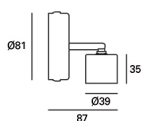


TC-1601-BLA

Proyector SPOTY GU10 8W Blanco 525lm

CARACTERÍSTICAS TÉCNICAS



Potencia total luminaria : 8W

Lúmenes reales : 525

Lm / W reales : 11

Ángulo Ópticas / Reflector : MEDIUM 31°

Material de la estructura : Acero

Acabado estructura : Blanco

Medida máx. de la bombilla : 55/50 mm

Bombilla recomendada : GU10

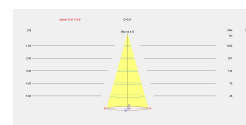
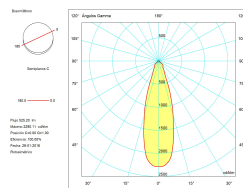
Voltaje / Frecuencia : 100-240V ~ 50/60Hz

Garantía : 2 Años

Luminaria fácilmente reciclable

CARACTERÍSTICAS LUMINOTÉCNICAS

Portalámparas	Cantidad	Potencia fuente de luz (W)	Temperatura de color correlacionada (CCT)
GU10	1	Potencia máx. 8W	-



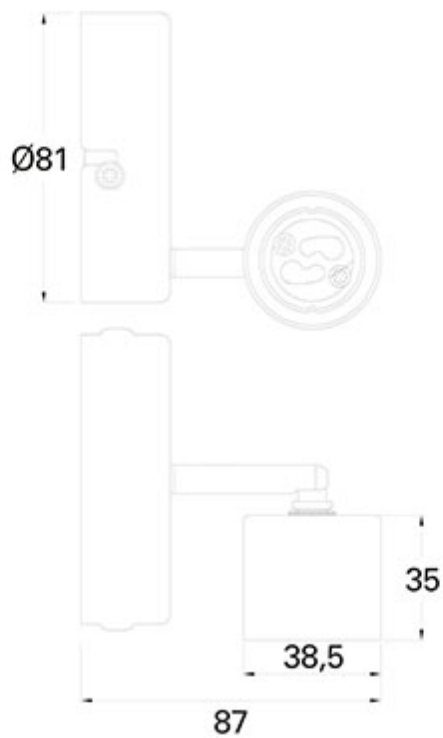
LOGÍSTICA

Peso neto (Kg): 0.16

Peso embalado (Kg): 0.2

Embalaje: 90mm x 90mm x 100mm





Luminaire

Code TC-1601-BLA
 Name HALOPAR 16 50W SPOTY

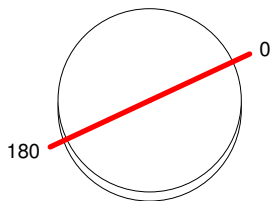
Measurerm.

Code TC-1601-BLA
 Name HALOPAR 16 50W SPOTY

Luminaire Flux	525.20 lm	Luminaire Power	50.00 W	Efficacy	10.50 lm/W	Efficiency	100.00%
Lamps Flux	525.20 lm	Maximum value	1202.76 cd	Position	C=0.00 G=1.00	CG	Rotosymmetrical
Round Luminaire Round Luminous Area		Diam.	38 mm	Height	35 mm		
		Diam.	20 mm	Height	10 mm		
Horizontal Luminous Area	0.000314 m2			Emitting area on Plane 180°	0.000200 m2		
Emitting area on Plane 0°	0.000200 m2			Emitting area on Plane 270°	0.000200 m2		
Emitting area on Plane 90°	0.000200 m2			Glare area at 76°	0.000270 m2		
Coordinate system	CG			Symmetry Type	Rotosymmetrical		
Date	28-01-2016			Maximum Gamma Angle	180		
Measurement Distance	0.00			Measurement Flux	525.20 lm		
Operator				Source Voltage [V]			
Temperature	25.00 °C			Source current [A]			
Humidity	60.00 %			Photocell			
Notes							

Line	Code	Luminaire Lamps	Flux [lm]	Pow. [W]	Q.ty
	HALOPAR 16 50W	Name HALOPAR 16 50W	525.20	50.00	1
C.I.E.	82 94 97 100 100	D DIN 5040	A60		
F UTE	1.00 B	B NBN	BZ 1		

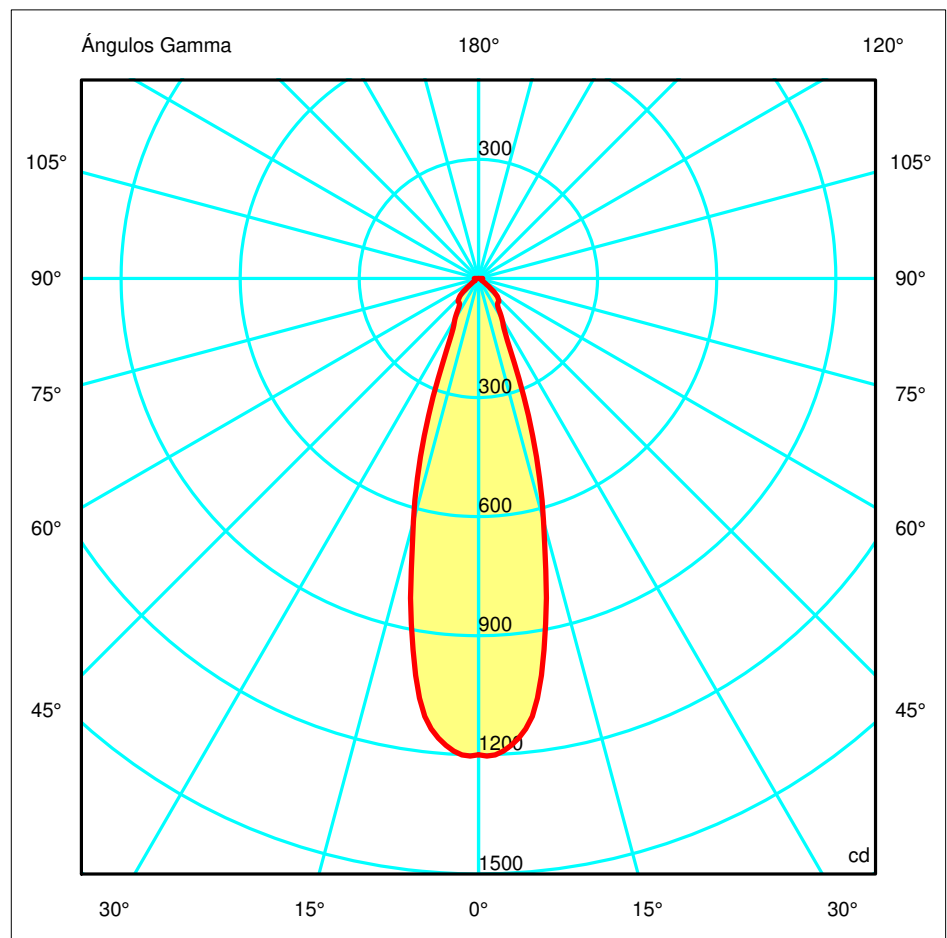
Diam=38mm



Semiplanos C

180.0 — 0.0

ULOR 0.11 %
 DLOR 99.89 %
 RN 0.11 %



Luminaire

Code TC-1601-BLA
 Name HALOPAR 16 50W SPOTY

Measurem.

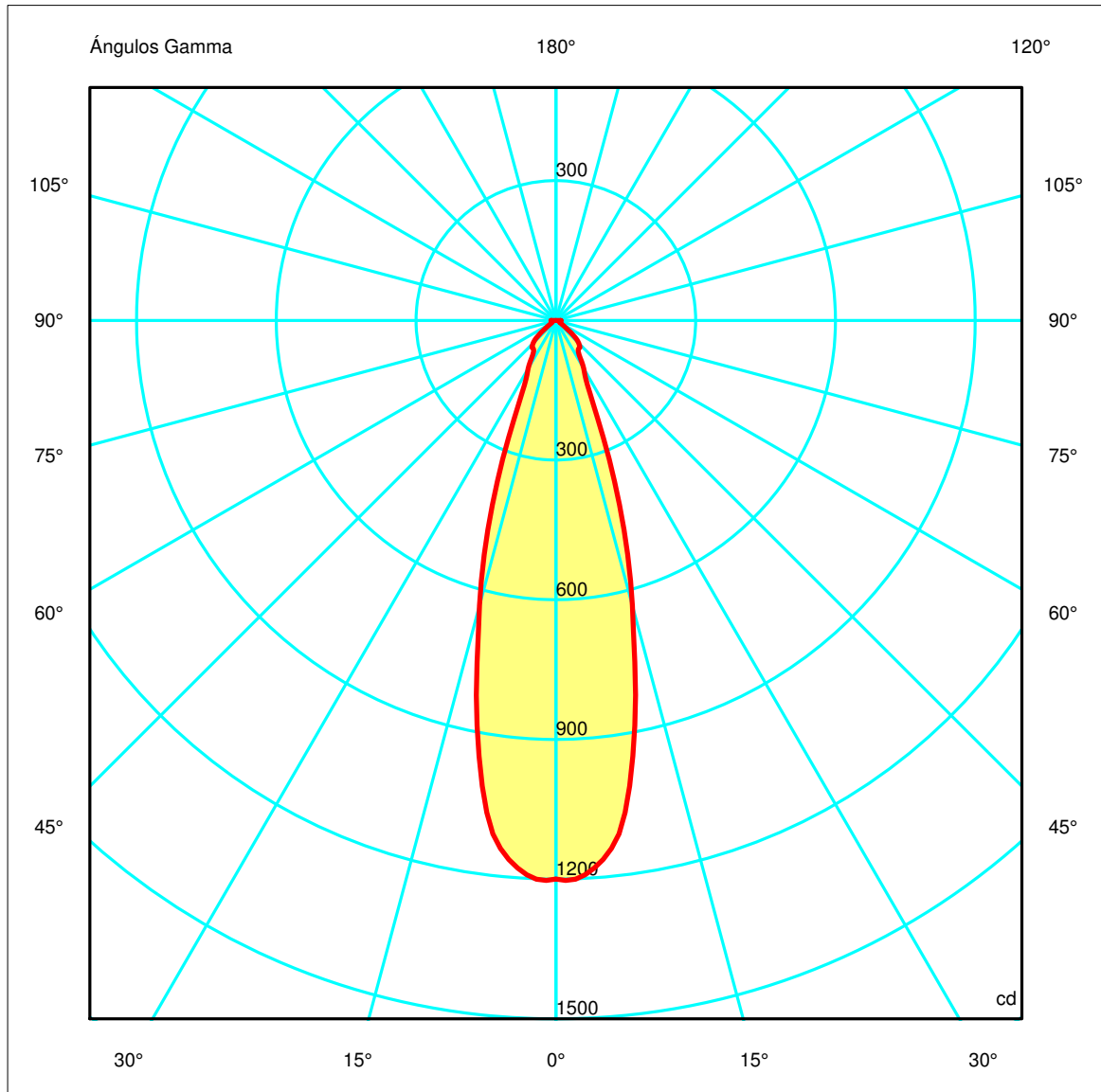
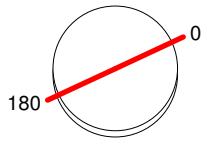
Code TC-1601-BLA
 Name HALOPAR 16 50W SPOTY

Luminaire Flux	525.20 lm	Luminaire Power	50.00 W	Efficacy	10.50 lm/W	Efficiency	100.00%
Lamps Flux	525.20 lm	Maximum value	1202.76 cd	Position	C=0.00 G=1.00	CG	Rotosymmetrical

Diam=38mm

Semiplanos C

180.0 0.0



Luminaire

Code TC-1601-BLA
Name HALOPAR 16 50W SPOTY

Measurment

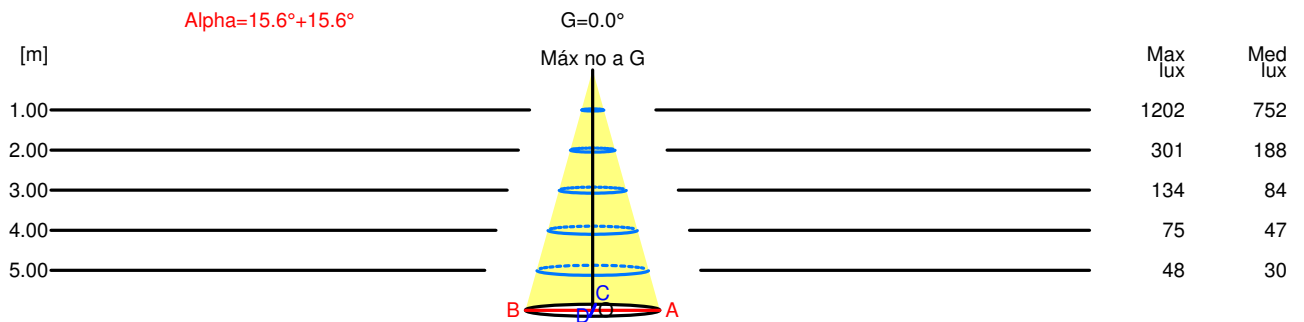
Code TC-1601-BLA
Name HALOPAR 16 50W SPOTY

Luminaire Flux	525.20 lm	Luminaire Power	50.00 W	Efficacy	10.50 lm/W	Efficiency	100.00%
Lamps Flux	525.20 lm	Maximum value	1202.76 cd	Position	C=0.00 G=1.00	CG	Rotosymmetrical

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	0.28	0.56	0.84	1.12	1.40	OC	0.28	0.56	0.84	1.12	1.40
OB	0.28	0.56	0.84	1.12	1.40	OD	0.28	0.56	0.84	1.12	1.40

	Luminous Intensities [cd]									
	0	5	15	25	35	45	55	65	75	85
OA	1199.67	1161.97	633.51	172.30	84.58	68.93	20.11	9.34	9.76	9.40
OB	1199.67	1161.97	633.51	172.30	84.58	68.93	20.11	9.34	9.76	9.40
OC	1199.67	1161.97	633.51	172.30	84.58	68.93	20.11	9.34	9.76	9.40
OD	1199.67	1161.97	633.51	172.30	84.58	68.93	20.11	9.34	9.76	9.40



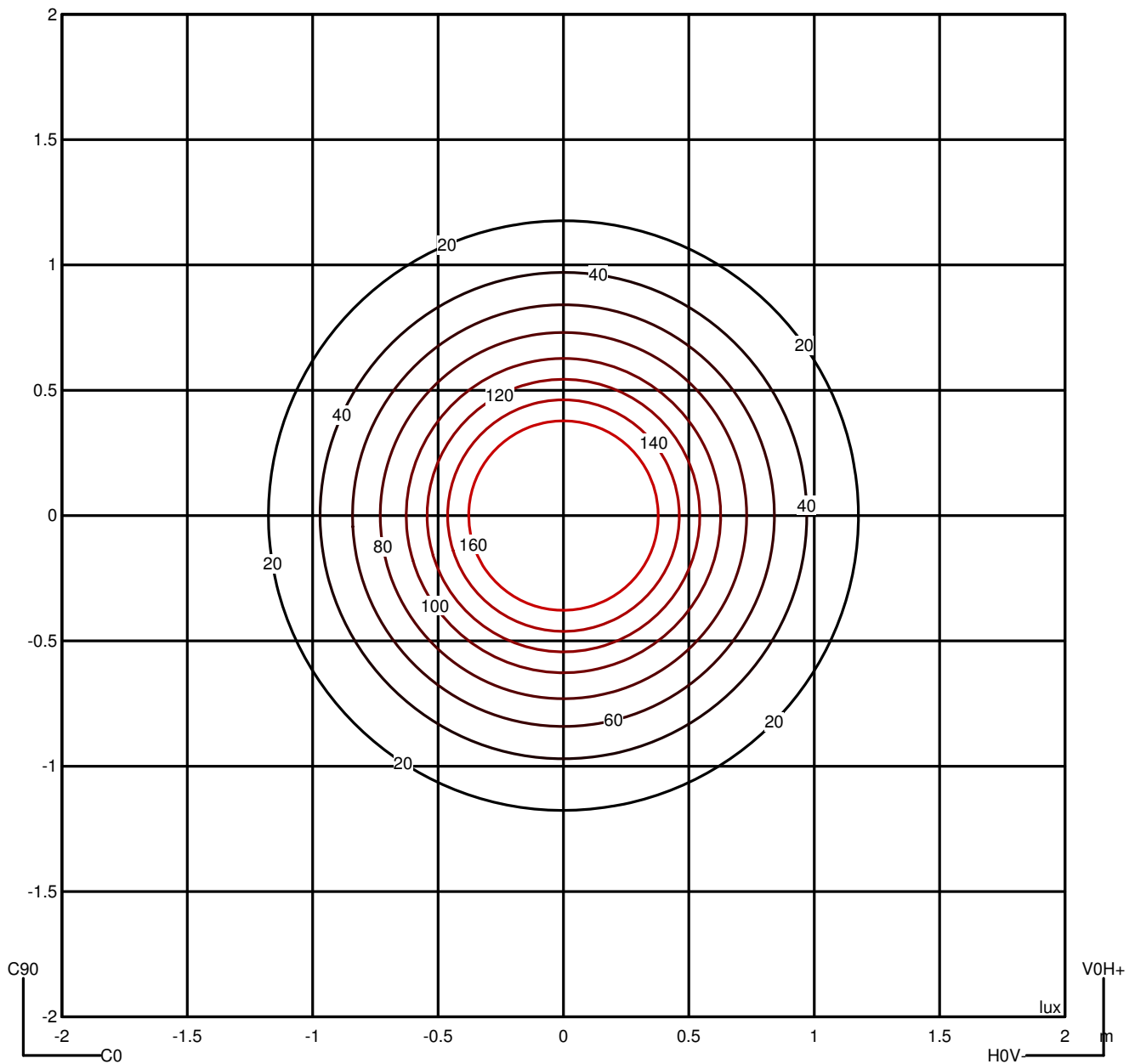
H[m]	D[m]	Max lux	Med lux	Alpha=15.6°+15.6°	G=0.0 Máx no a G
1.00	0.56	1202	752		
2.00	1.12	301	188		
3.00	1.68	134	84		
4.00	2.24	75	47		
5.00	2.80	48	30		

Luminaire
 Code TC-1601-BLA
 Name HALOPAR 16 50W SPOTY
Measurement.
 Code TC-1601-BLA
 Name HALOPAR 16 50W SPOTY

Luminaire Flux	525.20 lm	Luminaire Power	50.00 W	Efficacy	10.50 lm/W	Efficiency	100.00%
Lamps Flux	525.20 lm	Maximum value	1202.76 cd	Position	C=0.00 G=1.00	CG	Rotosymmetrical

Isolux (Floor)

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



Luminaire

Code TC-1601-BLA
Name HALOPAR 16 50W SPOTY

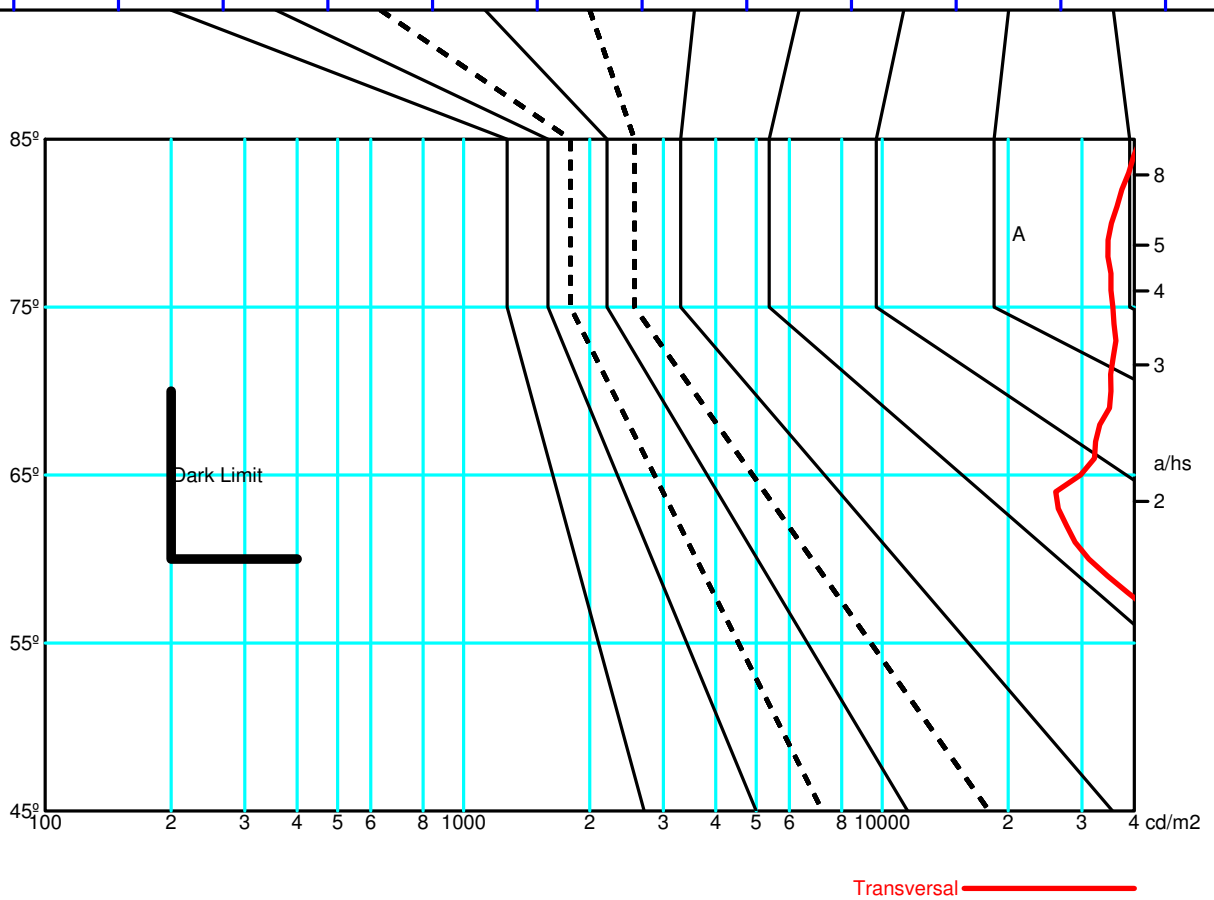
Measurment

Code TC-1601-BLA
Name HALOPAR 16 50W SPOTY

Luminaire Flux	525.20 lm	Luminaire Power	50.00 W	Efficacy	10.50 lm/W	Efficiency	100.00%
Lamps Flux	525.20 lm	Maximum value	1202.76 cd	Position	C=0.00 G=1.00	CG	Rotosymmetrical

Average Luminance [cd/m ²]										
0.0°	45°	50°	55°	60°	65°	70°	75°	80°	85°	---
	189600	127573	58447	31155	29758	35191	35574	35276	41468	

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

Code TC-1601-BLA
 Name HALOPAR 16 50W SPOTY

Measurem.

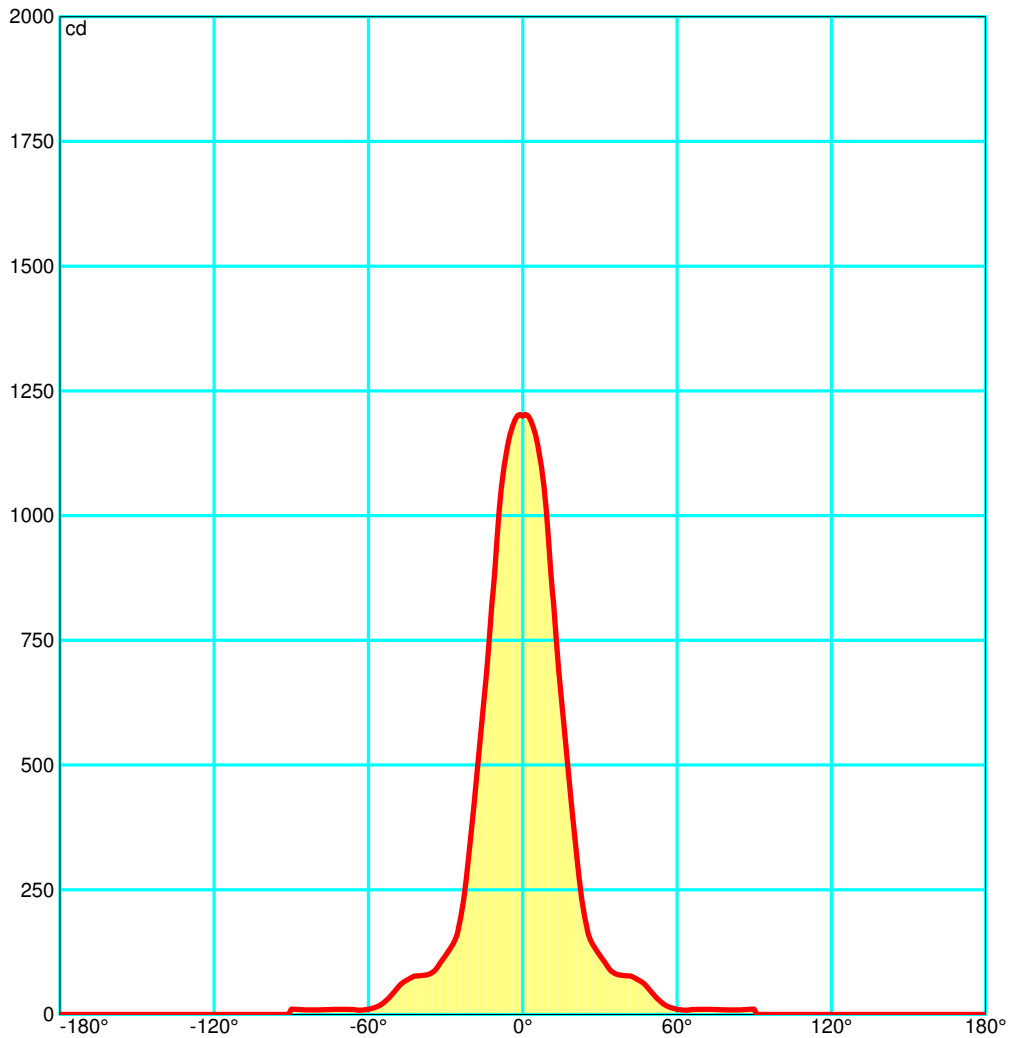
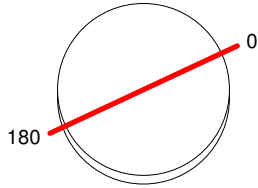
Code TC-1601-BLA
 Name HALOPAR 16 50W SPOTY

Luminaire Flux	525.20 lm	Luminaire Power	50.00 W	Efficacy	10.50 lm/W	Efficiency	100.00%
Lamps Flux	525.20 lm	Maximum value	1202.76 cd	Position	C=0.00 G=1.00	CG	Rotosymmetrical

Diam=38mm

Semiplanos C

180.0 ————— 0.0





Luminaire

Code TC-1601-BLA
Name HALOPAR 16 50W SPOTY

Measurement

Code TC-1601-BLA
Name HALOPAR 16 50W SPOTY

Luminaire Flux	525.20 lm	Luminaire Power	50.00 W	Efficacy	10.50 lm/W	Efficiency	100.00%
Lamps Flux	525.20 lm	Maximum value	1202.76 cd	Position	C=0.00 G=1.00	CG	Rotosymmetrical

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	24.6	25.4	24.8	25.6	25.8	24.6	25.4	24.8	25.6	25.8
x=2H y=3H	24.9	25.7	25.2	25.9	26.2	24.9	25.7	25.2	25.9	26.2
x=2H y=4H	25.2	26.0	25.6	26.2	26.5	25.2	26.0	25.6	26.2	26.5
x=2H y=6H	25.6	26.3	26.0	26.6	26.9	25.6	26.3	26.0	26.6	26.9
x=2H y=8H	25.9	26.6	26.3	26.9	27.2	25.9	26.6	26.3	26.9	27.2
x=2H y=12H	26.2	26.9	26.6	27.2	27.5	26.2	26.9	26.6	27.2	27.5
x=4H y=2H	24.6	25.3	24.9	25.6	25.8	24.6	25.3	24.9	25.6	25.8
x=4H y=3H	25.1	25.8	25.5	26.1	26.4	25.1	25.8	25.5	26.1	26.4
x=4H y=4H	25.6	26.2	26.0	26.5	26.9	25.6	26.2	26.0	26.5	26.9
x=4H y=6H	26.3	26.7	26.7	27.1	27.5	26.3	26.7	26.7	27.1	27.5
x=4H y=8H	26.7	27.1	27.1	27.5	27.9	26.7	27.1	27.1	27.5	27.9
x=4H y=12H	27.2	27.5	27.6	27.9	28.4	27.2	27.5	27.6	27.9	28.4
x=8H y=4H	25.9	26.3	26.3	26.7	27.1	25.9	26.3	26.3	26.7	27.1
x=8H y=6H	26.7	27.1	27.2	27.5	27.9	26.7	27.1	27.2	27.5	27.9
x=8H y=8H	27.3	27.6	27.7	28.0	28.5	27.3	27.6	27.7	28.0	28.5
x=8H y=12H	27.9	28.2	28.4	28.7	29.2	27.9	28.2	28.4	28.7	29.2
x=12H y=4H	25.9	26.3	26.4	26.7	27.1	25.9	26.3	26.4	26.7	27.1
x=12H y=6H	26.8	27.1	27.3	27.6	28.1	26.8	27.1	27.3	27.6	28.1
x=12H y=8H	27.5	27.7	28.0	28.2	28.7	27.5	27.7	28.0	28.2	28.7

Luminaire

Code TC-1601-BLA
Name HALOPAR 16 50W SPOTY

Measur.

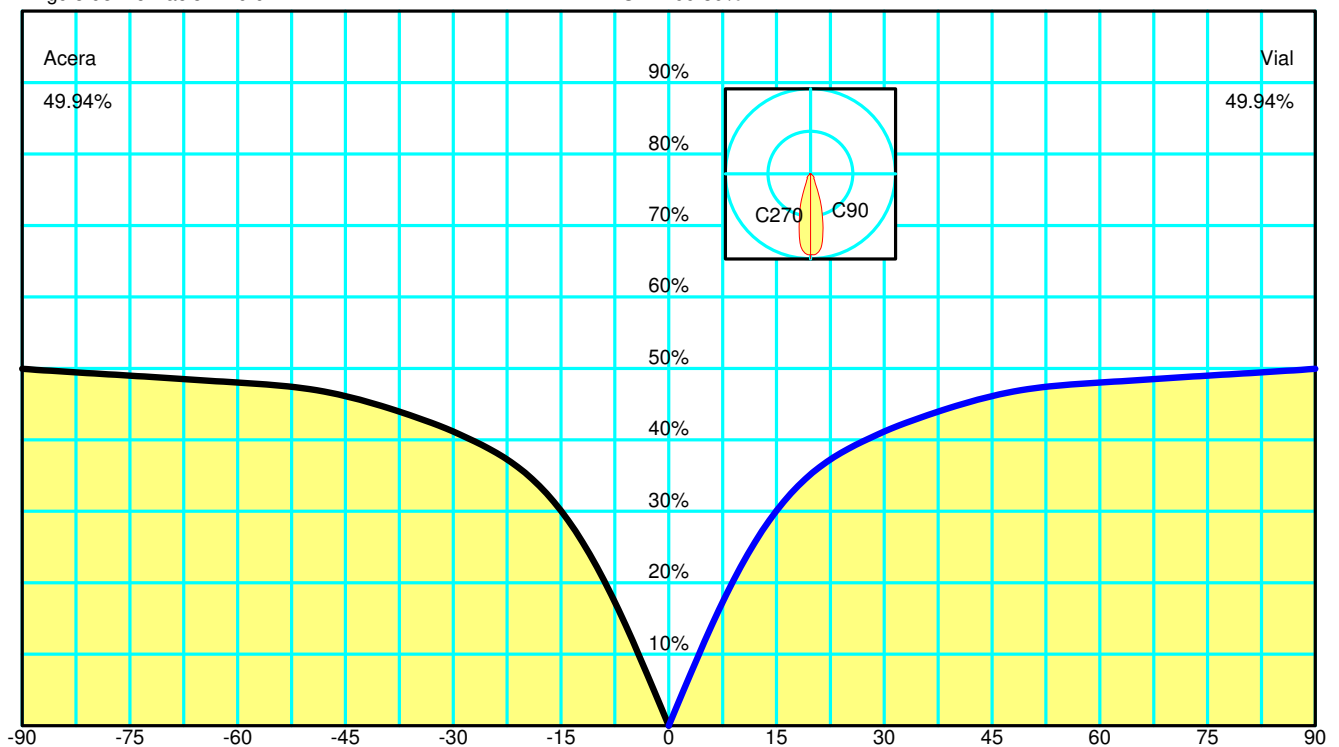
Code TC-1601-BLA
Name HALOPAR 16 50W SPOTY

Luminaire Flux	525.20 lm	Luminaire Power	50.00 W	Efficacy	10.50 lm/W	Efficiency	100.00%
Lamps Flux	525.20 lm	Maximum value	1202.76 cd	Position	C=0.00 G=1.00	CG	Rotosymmetrical

Pavement			Road		
Piano	0	0.00%	Piano	0	0.00%
Piano	-5	11.82%	Piano	5	11.82%
Piano	-10	22.22%	Piano	10	22.22%
Piano	-15	30.08%	Piano	15	30.08%
Piano	-20	35.40%	Piano	20	35.40%
Piano	-25	38.74%	Piano	25	38.74%
Piano	-30	41.16%	Piano	30	41.16%
Piano	-35	43.10%	Piano	35	43.10%
Piano	-40	44.74%	Piano	40	44.74%
Piano	-45	46.12%	Piano	45	46.12%
Piano	-50	47.10%	Piano	50	47.10%
Piano	-55	47.66%	Piano	55	47.66%
Piano	-60	48.02%	Piano	60	48.02%
Piano	-65	48.33%	Piano	65	48.33%
Piano	-70	48.66%	Piano	70	48.66%
Piano	-75	48.99%	Piano	75	48.99%
Piano	-80	49.29%	Piano	80	49.29%
Piano	-85	49.60%	Piano	85	49.60%
Piano	-90	49.94%	Piano	90	49.94%

Ángulo de Inclinación = 0.0

DLOR = 99.89%



Spread 7.6° Estrecho

Throw 3.8° Corto

Cutoff CIE Semi Cutoff - Max: C=0.0° Gamma=1.0°

Cutoff Iesna Cutoff

DIN5044 KB2

IESNA Type V Very Short Quadrilateral Symmetry

DLOR 99.88874 %

ULOR 0.11126 %

Rendimiento 100.00000 %

RN 0.11126 %

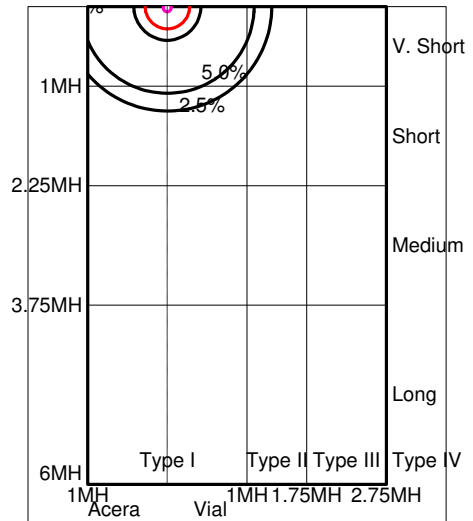
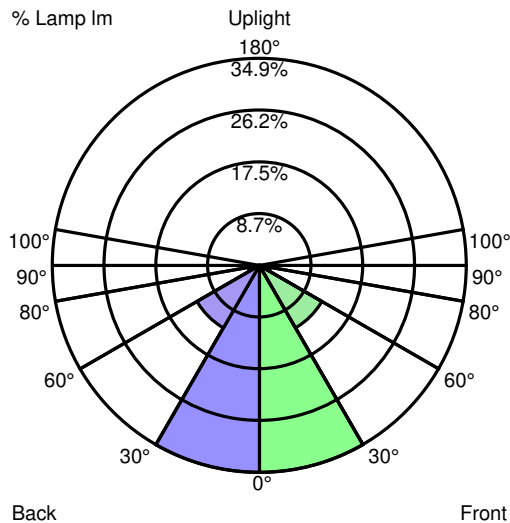
Clase de Intensidad Luminosa G2

Índice de Deslumbramiento D5

Luminaire
 Code TC-1601-BLA
 Name HALOPAR 16 50W SPOTY
Measurment.
 Code TC-1601-BLA
 Name HALOPAR 16 50W SPOTY

Luminaire Flux	525.20 lm	Luminaire Power	50.00 W	Efficacy	10.50 lm/W	Efficiency	100.00%
Lamps Flux	525.20 lm	Maximum value	1202.76 cd	Position	C=0.00 G=1.00	CG	Rotosymmetrical

US ROAD STANDARDS



Luminaire Classification System (LCS)			
LCS Zone		Lumens	%Lamp %Lum
FL	0° -- 30°	183.4 lm	34.9 % 34.9 %
FM	30° -- 60°	63.9 lm	12.2 % 12.2 %
FH	60° -- 80°	9.8 lm	1.9 % 1.9 %
FVH	80° -- 90°	5.2 lm	1.0 % 1.0 %
BL	0° -- 30°	183.4 lm	34.9 % 34.9 %
BM	30° -- 60°	63.9 lm	12.2 % 12.2 %
BH	60° -- 80°	9.8 lm	1.9 % 1.9 %
BVH	80° -- 90°	5.2 lm	1.0 % 1.0 %
UL	90° -- 100°	0.6 lm	0.1 % 0.1 %
UH	100° -- 180°	0.0 lm	0.0 % 0.0 %
TOTALS		525.2 lm	100.0 % 100.0 %
BUG B1 U1 G0 Type V Very Short Quadrilateral Symmetry			

