

**Luminaria**

Código TAM TAM A SPECIAL  
Nombre Aplique TAM TAM A 8W special

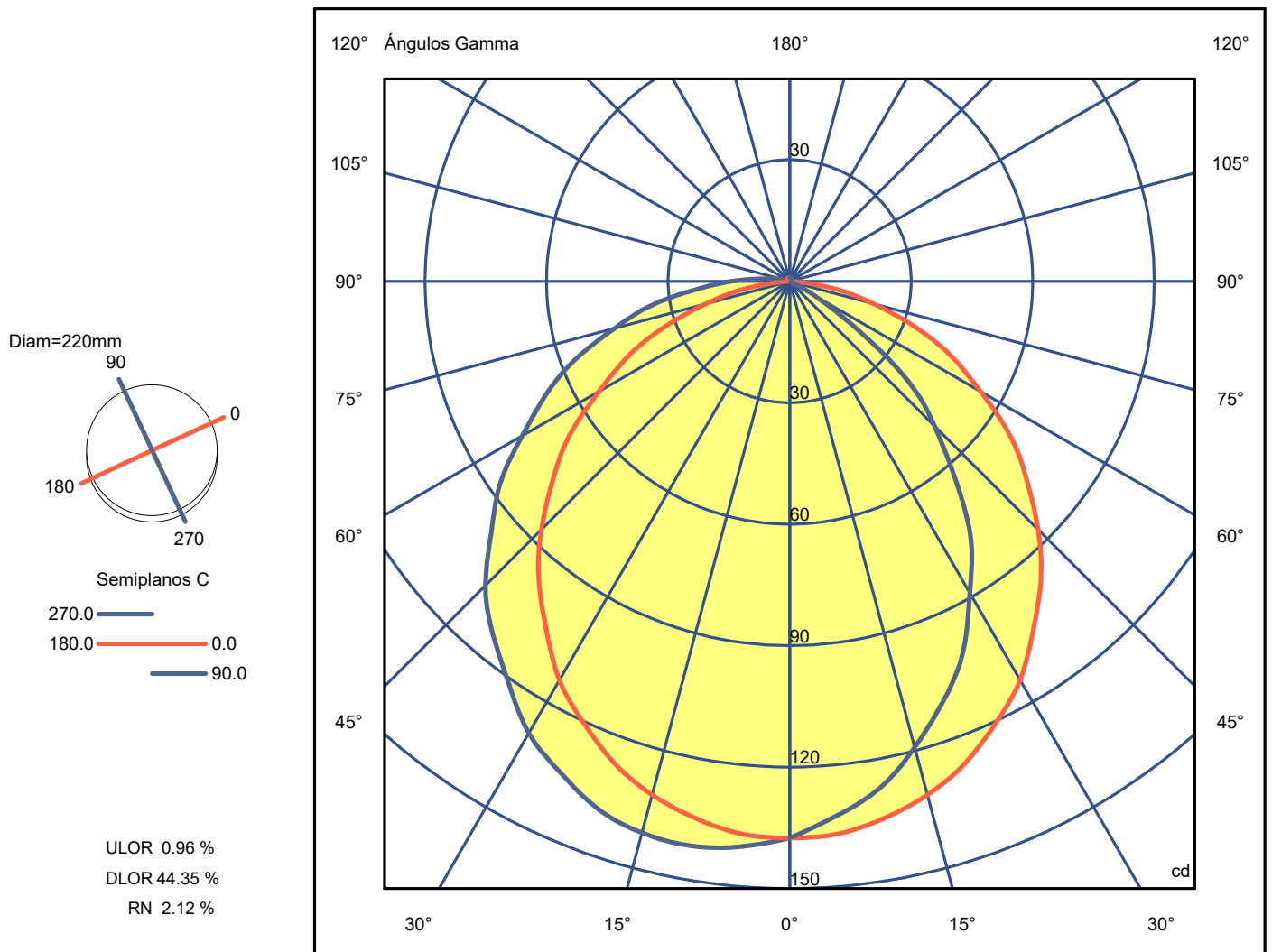
**Ensayo**

Código TAM TAM A SPECIAL  
Nombre Aplique TAM TAM A 8W special

Flujo Luminaria	365.18 lm	Potencia Luminaria	8.00 W	Eficacia	45.65 lm/W	Eficiencia	45.31%
Flujo Fuentes de luz	806.00 lm	Valor Máximo	142.85 cd	Posición	C=285.00 G=15.00	CG	Sim. en los planos 270-90
Luminaria Redonda		Diam.	220 mm	Altura	130 mm		
Área Luminosa Redonda		Diam.	210 mm	Altura	0 mm		
Área Luminosa Horizontal		0.034636 m2		Área Emisión sobre Pl. 180°		0.000000 m2	
Área Emisión sobre Pl. 0°		0.000000 m2		Área Emisión sobre Pl. 270°		0.000000 m2	
Área Emisión sobre Pl. 90°		0.000000 m2		Área de deslumbramiento a 76°		0.008379 m2	
Sist. de Coorden.		CG		Tipo de Simetría		Sim. en los planos 270-90	
Fecha		13-04-2023		Máximo Ángulo Gamma		180	
Distancia de Ensayo		0.00		Flujo de Ensayo		580.00 lm	
Operador		Asselum T2		Tensión Nominal			
Temperatura		25.00 °C		Corriente Nominal			
Humedad		60.00 %		Fotocélula			
Notas							

**Fuentes de luz de la Luminaria**

Familia	Código	Nombre	Flujo [lm]	Pot. [W]	Cant.
	Philips Corepro LEDbulb E27 Philips Mate 8W LEDbulb E27	Pera Mate 8W 806100-827	806.00	8.00	1
C.I.E.	49 80 95 98 45	D DIN 5040	A31		
F UTE	0.44 E + 0.01 T	B NBN	BZ 4		



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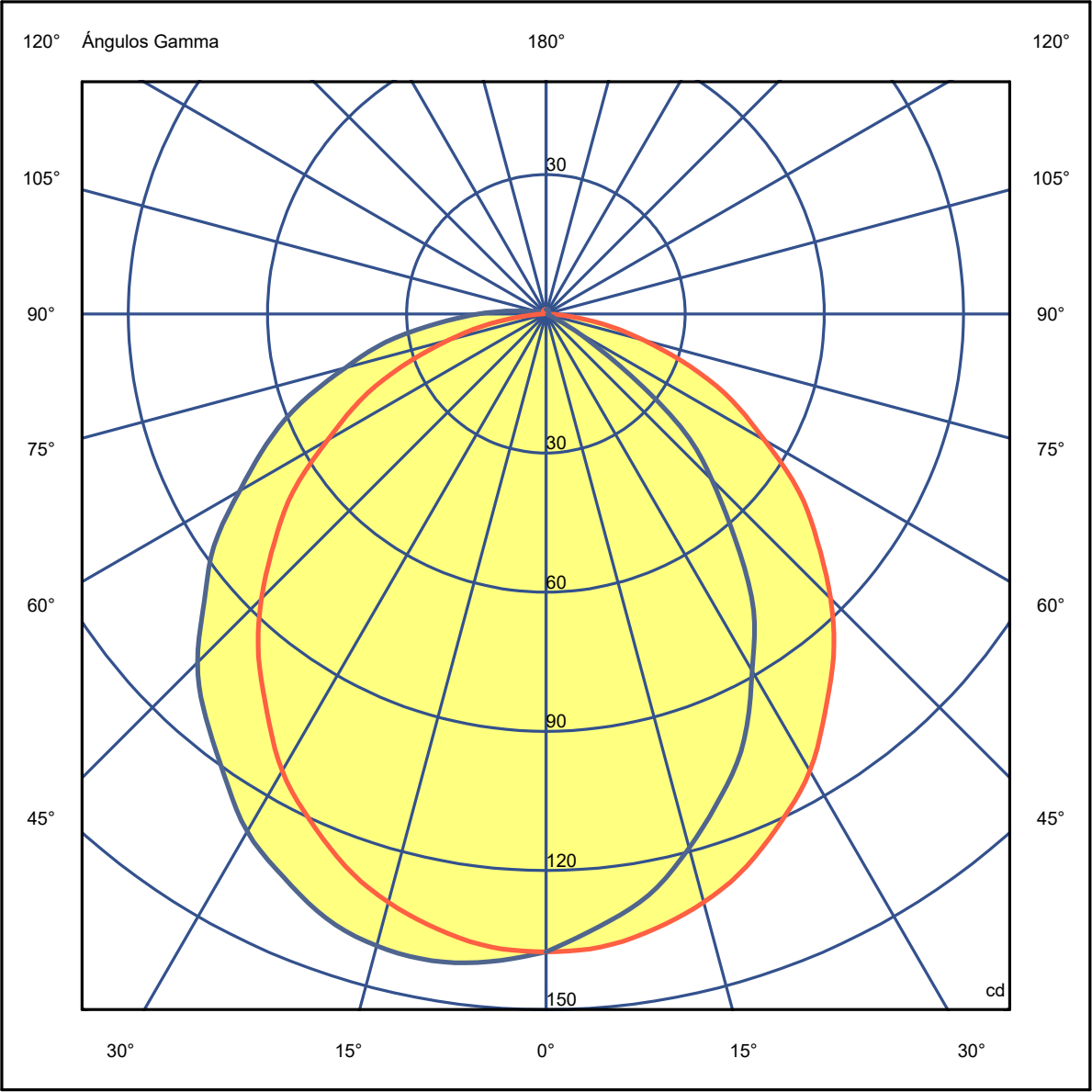
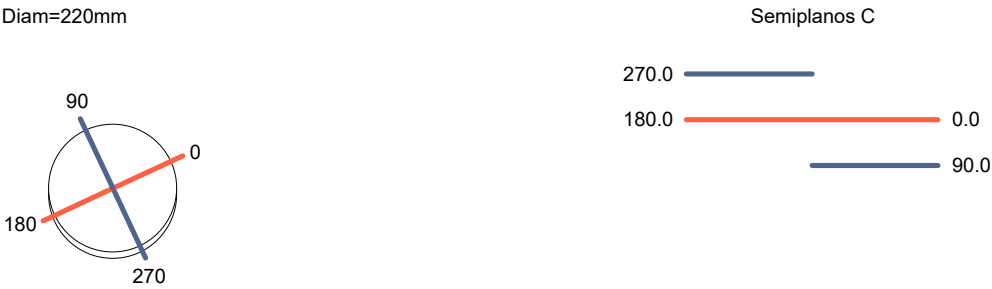
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Tabla de Intensidad Luminosa cd														Tabla 1/1	
	C 270.00	C 285.00	C 300.00	C 315.00	C 330.00	C 345.00	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00		
G 0.0	137.51	137.51	137.51	137.51	137.51	137.51	137.51	137.51	137.51	137.51	137.51	137.51	137.51		
G 5.0	140.17	140.64	139.73	139.71	138.20	138.05	136.99	135.07	134.80	133.32	133.19	131.91	132.49		
G 10.0	141.56	142.73	140.49	140.48	137.32	137.17	134.62	131.55	131.27	127.80	128.43	126.00	127.21		
G 15.0	141.02	142.85	139.41	139.70	134.91	134.18	131.30	125.96	125.67	121.64	121.34	118.51	119.14		
G 20.0	138.62	141.08	136.81	137.10	131.52	130.50	126.63	120.30	119.20	112.63	112.96	108.02	110.50		
G 25.0	133.93	137.11	131.92	132.94	125.72	124.67	120.39	112.83	112.23	104.34	104.26	98.47	101.14		
G 30.0	128.83	132.35	126.51	127.99	119.87	118.61	113.74	104.43	102.49	94.18	92.88	85.73	88.86		
G 35.0	121.08	125.15	119.67	120.42	111.67	111.20	104.84	96.10	93.79	83.14	82.51	74.46	77.97		
G 40.0	113.95	118.35	111.60	113.30	103.55	102.41	96.40	85.12	83.18	72.30	70.84	62.31	63.51		
G 45.0	106.24	109.84	102.64	104.56	94.85	94.00	86.72	75.52	72.55	59.63	57.92	46.45	50.55		
G 50.0	96.14	100.71	93.18	94.98	84.44	82.96	76.40	64.88	62.31	48.46	44.48	33.27	37.90		
G 55.0	87.39	91.91	84.27	86.10	75.04	73.54	66.47	53.49	49.95	35.41	31.06	15.83	19.05		
G 60.0	76.27	80.95	74.02	74.79	63.64	63.16	54.38	43.05	39.47	24.76	20.12	6.50	7.16		
G 65.0	66.51	71.25	63.39	65.05	53.38	51.58	44.25	30.68	27.99	15.14	10.82	2.75	1.41		
G 70.0	56.31	59.58	52.66	53.01	42.98	41.49	33.04	20.65	17.66	6.52	4.51	0.85	0.57		
G 75.0	44.77	49.50	41.22	42.99	31.00	29.13	21.62	9.69	9.20	1.74	1.16	0.47	0.42		
G 80.0	35.11	39.71	31.55	31.81	21.24	19.16	12.40	3.16	2.03	0.47	0.46	0.49	0.45		
G 85.0	23.46	27.93	20.75	20.97	11.14	9.67	3.76	0.52	0.46	0.52	0.49	0.52	0.50		
G 90.0	14.57	18.46	11.46	12.12	4.44	3.15	0.70	0.48	0.49	0.56	0.51	0.54	0.50		
G 95.0	7.36	8.61	4.87	4.70	1.78	0.98	0.46	0.52	0.52	0.57	0.54	0.59	0.55		
G100.0	3.32	4.13	2.52	2.31	1.47	0.95	0.49	0.57	0.54	0.63	0.57	0.62	0.59		
G105.0	2.50	2.60	2.11	1.91	1.30	0.95	0.54	0.62	0.57	0.67	0.62	0.64	0.61		
G110.0	1.43	1.92	1.37	1.47	1.10	0.90	0.59	0.63	0.62	0.68	0.65	0.70	0.66		
G115.0	0.64	1.05	0.85	1.12	1.00	0.88	0.62	0.67	0.67	0.73	0.69	0.75	0.71		
G120.0	0.50	0.51	0.65	0.91	0.95	0.88	0.67	0.70	0.68	0.78	0.72	0.77	0.71		
G125.0	0.55	0.54	0.69	0.86	0.93	0.88	0.70	0.75	0.72	0.78	0.77	0.81	0.76		
G130.0	0.56	0.59	0.72	0.81	0.93	0.88	0.73	0.79	0.77	0.84	0.80	0.85	0.81		
G135.0	0.66	0.64	0.75	0.86	0.81	0.88	0.77	0.81	0.80	0.87	0.83	0.88	0.81		
G140.0	0.71	0.70	0.77	0.86	0.75	0.90	0.80	0.85	0.84	0.91	0.88	0.93	0.86		
G145.0	0.76	0.73	0.83	0.86	0.78	0.90	0.85	0.90	0.88	0.91	0.88	0.95	0.91		
G150.0	0.76	0.76	0.79	0.78	0.83	0.96	0.90	0.90	0.91	0.97	0.93	0.95	0.91		
G155.0	0.81	0.80	0.83	0.84	0.97	0.96	0.90	0.93	0.93	1.00	0.93	1.01	0.96		
G160.0	0.86	0.85	0.88	0.89	1.01	0.98	0.96	0.98	0.94	1.00	0.98	1.01	0.96		
G165.0	0.91	0.90	0.93	0.97	0.99	1.01	0.98	1.01	0.98	1.02	0.98	1.01	1.00		
G170.0	0.96	0.93	0.95	0.94	0.96	1.01	1.01	1.01	1.01	1.05	0.98	1.00	1.01		
G175.0	1.01	0.95	0.98	0.97	0.98	1.01	1.01	1.02	1.04	1.05	1.01	1.03	1.01		
G180.0	0.99	1.01	0.98	1.01	0.99	1.01	1.01	1.01	0.99	1.01	0.98	1.01	0.99		

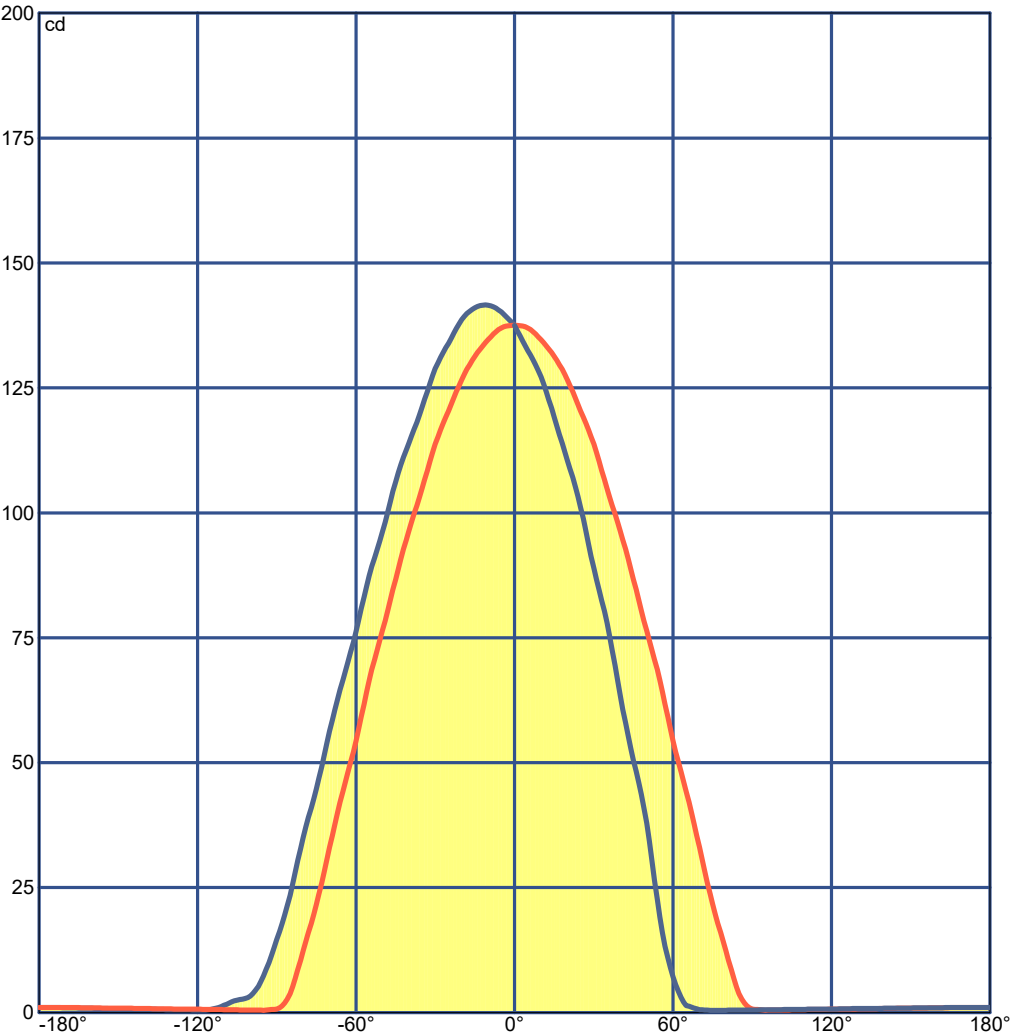
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**UGR**  
S = 0.250

Reflectancias										
Techo/Cavidad	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Paredes	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
PDT	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Dimensiones del Local						Vista Longitudinal				
x=2H y=2H	16.6	17.9	17.0	18.1	18.4	18.9	20.2	19.2	20.4	20.7
x=2H y=3H	18.1	19.2	18.4	19.6	19.9	21.0	22.2	21.4	22.5	22.8
x=2H y=4H	18.6	19.7	19.0	20.1	20.4	22.1	23.1	22.4	23.5	23.8
x=2H y=6H	19.0	20.0	19.4	20.4	20.7	23.1	24.1	23.5	24.5	24.8
x=2H y=8H	19.1	20.1	19.5	20.4	20.8	23.6	24.5	24.0	24.9	25.3
x=2H y=12H	19.2	20.1	19.5	20.4	20.8	24.0	25.0	24.4	25.3	25.7
x=4H y=2H	17.3	18.4	17.7	18.8	19.1	19.6	20.6	19.9	21.0	21.3
x=4H y=3H	19.0	19.9	19.4	20.3	20.6	21.9	22.8	22.3	23.2	23.5
x=4H y=4H	19.6	20.5	20.1	20.8	21.3	23.1	23.9	23.5	24.3	24.7
x=4H y=6H	20.1	20.8	20.6	21.3	21.7	24.4	25.1	24.8	25.5	26.0
x=4H y=8H	20.3	21.0	20.8	21.4	21.8	25.0	25.7	25.5	26.1	26.6
x=4H y=12H	20.4	21.0	20.9	21.4	21.9	25.6	26.2	26.1	26.6	27.1
x=8H y=4H	20.1	20.8	20.6	21.2	21.7	23.4	24.1	23.9	24.5	25.0
x=8H y=6H	20.8	21.3	21.3	21.8	22.3	24.9	25.5	25.4	25.9	26.5
x=8H y=8H	21.0	21.5	21.5	22.0	22.5	25.7	26.2	26.2	26.7	27.2
x=8H y=12H	21.2	21.6	21.7	22.1	22.7	26.5	27.0	27.1	27.4	28.0
x=12H y=4H	21.3	21.9	21.8	22.3	22.8	23.7	24.3	24.2	24.7	25.2
x=12H y=6H	21.8	22.3	22.4	22.8	23.3	25.2	25.7	25.7	26.2	26.7
x=12H y=8H	22.1	22.5	22.6	23.0	23.6	26.0	26.4	26.5	26.9	27.5

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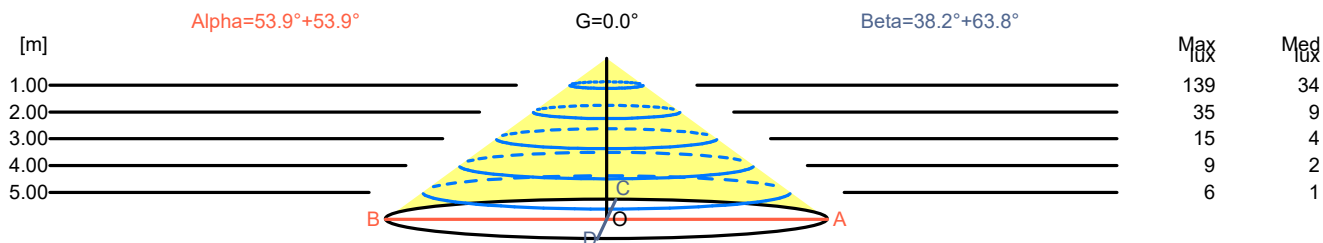
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### Apertura a 50.00 % de Max Intensidad

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	1.37	2.75	4.12	5.49	6.87	OC	0.79	1.58	2.36	3.15	3.94
OB	1.37	2.75	4.12	5.49	6.87	OD	2.03	4.07	6.10	8.13	10.16

	0	5	15	25	35	45	55	65	75	85
OA	137.51	136.99	131.30	120.39	104.84	86.72	66.47	44.25	21.62	3.76
OB	137.51	136.99	131.30	120.39	104.84	86.72	66.47	44.25	21.62	3.76
OC	137.51	132.49	119.14	101.14	77.97	50.55	19.05	1.41	0.42	0.50
OD	137.51	140.17	141.02	133.93	121.08	106.24	87.39	66.51	44.77	23.46



H[m]	D[m]	Max lux	Med lux	Alpha=53.9°+53.9°	G=0.0
1.00	2.75	139	34		
2.00	5.49	35	9		
3.00	8.24	15	4		
4.00	10.99	9	2		
5.00	13.73	6	1		

H[m]	D[m]	Max lux	Med lux	Beta=63.8°+38.2°	G=0.0
1.00	2.82	139	34		
2.00	5.64	35	9		
3.00	8.46	15	4		
4.00	11.28	9	2		
5.00	14.10	6	1		

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Flujo Total=806.00 Flujo Luminaria=365.18

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	0.32	0.41	0.48	0.55	0.60	0.69	0.74	0.78	0.83	0.86	0.92	0.96
RC	5	5	5	5	5	5	5	5	5	5	5	5

Flujo Zonal por 1000 Lúmenes

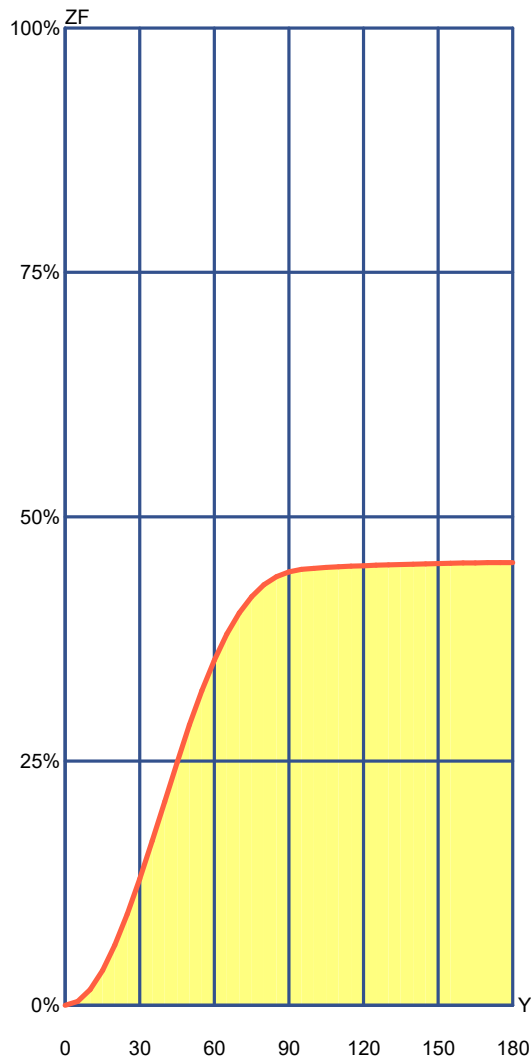
Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	16	62	129	208	287	353	402	431	443	447	449	450	451	451	452	453	453	453

Códigos de Flujo C.I.E.

49 80 95 98 45

C.I.E. 5  
D DIN 5040 A31  
F UTE 0.44 E + 0.01 T  
B NBN BZ 4  
RN 2.12060 %  
BLF 1.0

LOR 45.30709 %  
ULOR 0.96078 %  
DLOR 44.34631 %  
UFF 2.12060 %  
DFF 97.87940 %  
FFR 2.16654 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00 %	0.00 %
5°	4.06	4.06	0.90 %	0.90 %
10°	12.02	16.09	2.65 %	3.55 %
15°	19.49	35.58	4.30 %	7.85 %
20°	26.13	61.71	5.77 %	13.62 %
25°	31.70	93.41	7.00 %	20.62 %
30°	35.98	129.39	7.94 %	28.56 %
35°	38.83	168.22	8.57 %	37.13 %
40°	40.20	208.42	8.87 %	46.00 %
45°	40.03	248.46	8.84 %	54.84 %
50°	38.36	286.82	8.47 %	63.30 %
55°	35.28	322.10	7.79 %	71.09 %
60°	31.14	353.23	6.87 %	77.96 %
65°	26.56	379.79	5.86 %	83.83 %
70°	21.77	401.57	4.81 %	88.63 %
75°	16.80	418.37	3.71 %	92.34 %
80°	12.19	430.56	2.69 %	95.03 %
85°	8.12	438.67	1.79 %	96.82 %
90°	4.79	443.46	1.06 %	97.88 %
95°	2.51	445.97	0.55 %	98.43 %
100°	1.26	447.23	0.28 %	98.71 %
105°	0.85	448.08	0.19 %	98.90 %
110°	0.70	448.78	0.15 %	99.05 %
115°	0.56	449.34	0.12 %	99.18 %
120°	0.47	449.80	0.10 %	99.28 %
125°	0.43	450.23	0.09 %	99.37 %
130°	0.42	450.65	0.09 %	99.47 %
135°	0.40	451.05	0.09 %	99.55 %
140°	0.38	451.42	0.08 %	99.64 %
145°	0.35	451.77	0.08 %	99.71 %
150°	0.32	452.09	0.07 %	99.78 %
155°	0.28	452.37	0.06 %	99.85 %
160°	0.24	452.61	0.05 %	99.90 %
165°	0.20	452.81	0.04 %	99.94 %
170°	0.14	452.95	0.03 %	99.97 %
175°	0.09	453.04	0.02 %	99.99 %
180°	0.03	453.07	0.01 %	100.00 %

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Isolux (Suelo)

Posición Luminaria X=0.00m Y=0.00m Z=2.50m

