

**Luminaria**

Código 5800/018  
Nombre TRIBECA

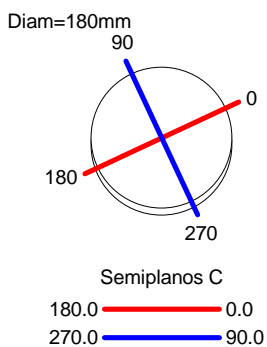
**Ensayo**

Código CL178A20F001G  
Nombre TRIBECA

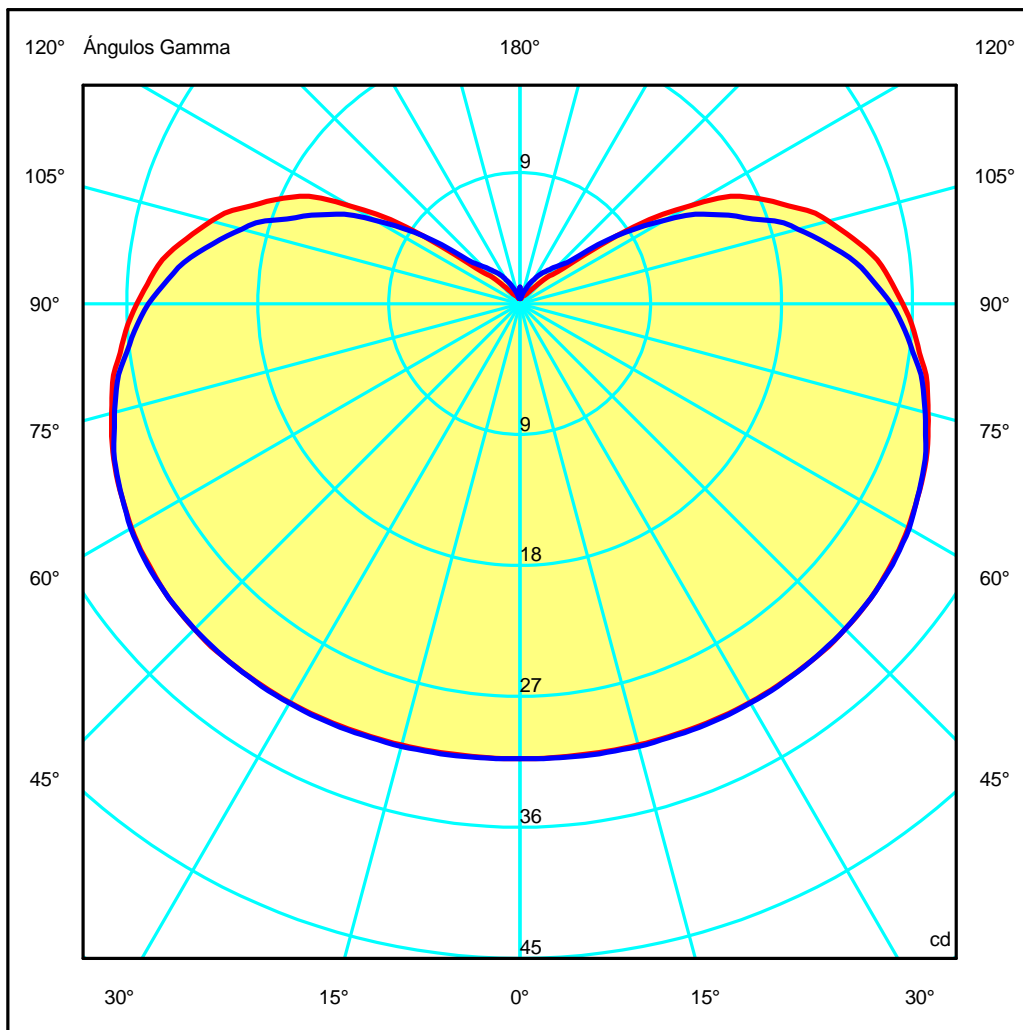
Flujo Luminaria	270.65 lm	Potencia luminaria	4.53 W	Eficacia	59.78 lm/W	Eficiencia	100.00%
Flujo Fuentes	270.65 lm	Valor Máximo	31.72 cd	Posición	C=90.00 G=32.50	CG	Bisimétrico
Luminaria Redonda		Diam.	180 mm	Altura	180 mm		
Área Luminosa Redonda		Diam.	180 mm	Altura	180 mm		
Área Luminosa Horizontal		0.025447 m2		Área Emisión sobre Pl. 180°		0.032400 m2	
Área Emisión sobre Pl. 0°		0.032400 m2		Área Emisión sobre Pl. 270°		0.032400 m2	
Área Emisión sobre Pl. 90°		0.032400 m2		Área de deslumbramiento a 76°		0.037594 m2	
Sist. de Coord.		CG		Tipo de Simetría		Bisimétrico	
Fecha		10-02-2020		Máximo Ángulo Gamma		180	
Distancia de Ensayo		6.44		Flujo de Ensayo		270.65 lm	
Operador		Asselum T2		Tensión Nominal		230.24 V	
Temperatura		25.00 °C		Corriente Nominal		0.04 A	
Humedad		36.20 %		Fotocélula		Prc	
Notas		RM20021201.6					

**Lámparas de la Luminaria**

Familia	Código	Nombre	Flujo [lm]	Pot. [W]	Cant.
Colgante 1 pantalla	LED	LED	270.65	4.53	1
C.I.E.	26 52 77 70 100	D DIN 5040	B11		
F UTE	0.70 J + 0.30 T	B NBN	BZ 8 / 0.8 / BZ 7 / 1 / BZ 8 / 2.5 / BZ 7		



ULOR 30.23 %  
DLOR 69.77 %  
RN 30.23 %



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Tabla de Intensidad Luminosa cd

Tabla 1/1

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	31	31	31	31	31	31	31
G 2.5	31	31	31	31	31	31	31
G 5.0	31	31	31	31	31	31	31
G 7.5	31	31	31	31	31	31	31
G 10.0	31	31	31	31	31	31	31
G 12.5	31	31	31	31	31	31	31
G 15.0	31	31	31	31	31	31	32
G 17.5	31	31	31	31	31	31	32
G 20.0	31	31	31	31	32	32	32
G 22.5	32	32	32	32	32	32	32
G 25.0	32	32	32	32	32	32	32
G 27.5	32	32	32	32	32	32	32
G 30.0	32	32	32	32	32	32	32
G 32.5	32	32	32	32	32	32	32
G 35.0	32	32	32	32	32	32	32
G 37.5	32	32	32	32	32	32	32
G 40.0	32	32	32	32	32	32	32
G 42.5	32	32	32	31	32	32	32
G 45.0	32	32	31	31	31	31	32
G 47.5	32	32	31	31	31	31	32
G 50.0	31	31	31	31	31	31	31
G 52.5	31	31	31	31	31	31	31
G 55.0	31	31	31	31	31	31	31
G 57.5	31	31	31	31	31	31	31
G 60.0	31	31	31	31	31	31	31
G 62.5	31	31	30	30	30	31	31
G 65.0	30	30	30	30	30	30	30
G 67.5	30	30	30	30	30	30	30
G 70.0	30	30	30	30	30	30	30
G 72.5	29	29	29	29	29	29	29
G 75.0	29	29	29	29	29	29	29
G 77.5	29	29	29	29	28	28	28
G 80.0	28	28	28	28	28	28	28
G 82.5	28	28	28	28	27	28	27
G 85.0	27	27	27	27	27	27	27
G 87.5	27	27	27	27	26	26	26
G 90.0	26	26	26	26	26	26	26
G 92.5	26	26	26	25	25	25	25
G 95.0	25	25	25	25	24	25	24
G 97.5	25	25	25	24	24	24	23
G100.0	24	24	24	24	23	23	22
G102.5	23	23	23	23	22	22	21
G105.0	22	22	22	22	21	21	20
G107.5	21	21	21	21	20	19	19
G110.0	20	20	20	20	19	18	17
G112.5	19	19	18	19	17	17	16
G115.0	17	17	17	17	16	15	15
G117.5	16	16	16	16	15	14	13
G120.0	13	14	14	15	13	12	11
G122.5	11	12	13	13	12	11	10
G125.0	8	11	12	12	11	9	8
G127.5	5	9	10	10	9	8	6
G130.0	3	7	9	9	8	7	5
G132.5	3	6	7	8	7	6	4
G135.0	2	5	6	7	6	5	4
G137.5	2	4	5	5	5	4	3
G140.0	1	3	4	4	4	3	3
G142.5	1	3	4	4	3	3	3
G145.0	1	2	3	3	3	2	2
G147.5	1	2	3	2	3	2	2
G150.0	1	1	2	2	2	2	2
G152.5	1	1	2	2	2	1	2
G155.0	1	1	1	1	2	1	1
G157.5	1	1	1	1	1	1	1
G160.0	1	1	1	1	1	1	1
G162.5	0	0	1	1	1	1	1
G165.0	0	0	1	1	1	1	1
G167.5	0	0	0	0	1	0	0
G170.0	0	0	0	0	0	0	0
G172.5	0	0	0	0	0	0	0
G175.0	0	0	0	0	0	0	0
G177.5	0	0	0	1	0	1	0
G180.0	1	1	1	1	1	1	1

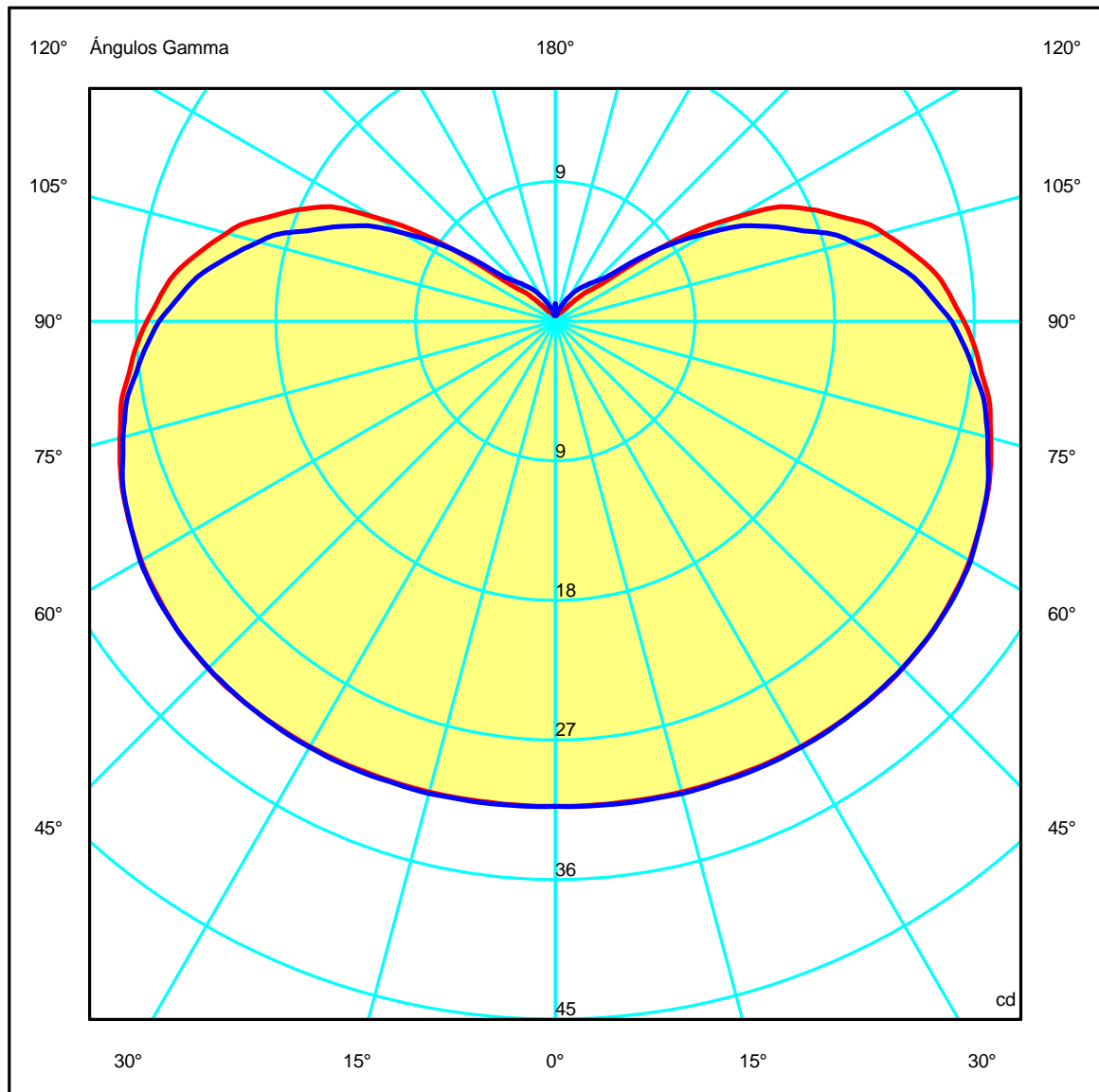
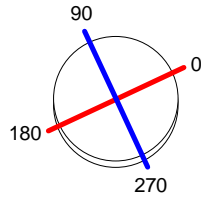
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Nombre TRIBECA  
**Ensayo**  
Código CL178A20F001G  
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Diam=180mm

Semiplanos C

180.0 — 0.0  
270.0 — 90.0



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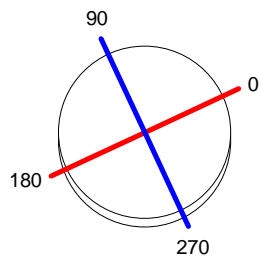
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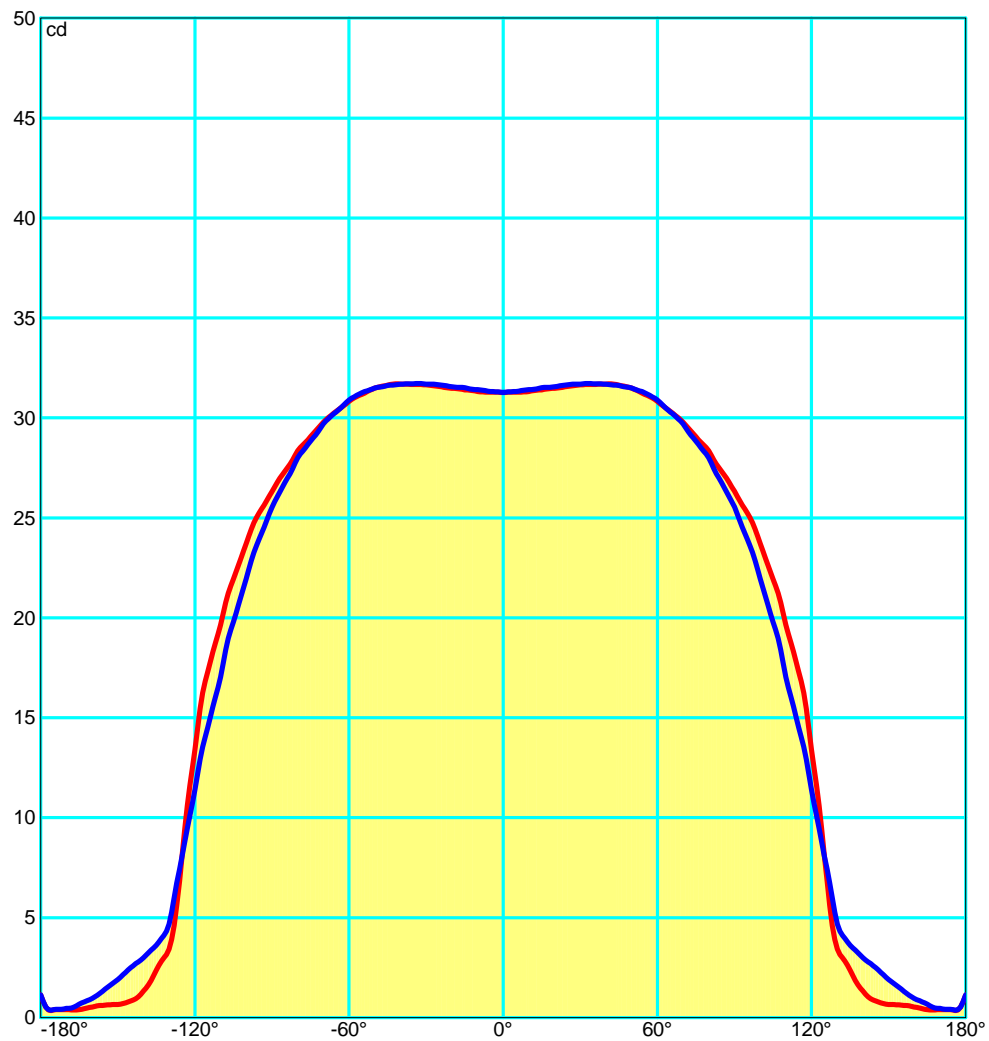
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Diam=180mm



Semiplanos C

180.0 ————— 0.0  
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Flujo Fuentes	270.65 lm	Valor Máximo	31.72 cd	Posición	C=90.00 G=32.50	CG Bisimétrico	

**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	Viewed Crosswise					Viewed Endwise				
x=2H y=2H	9.4	10.6	10.1	11.3	12.2	9.4	10.6	10.1	11.3	12.2
x=2H y=3H	11.9	13.0	12.6	13.7	14.6	11.9	13.0	12.6	13.7	14.6
x=2H y=4H	13.2	14.2	13.9	14.9	15.8	13.1	14.1	13.9	14.9	15.8
x=2H y=6H	14.4	15.4	15.2	16.1	17.1	14.4	15.3	15.1	16.1	17.0
x=2H y=8H	15.0	15.9	15.8	16.7	17.6	15.0	15.9	15.7	16.7	17.6
x=2H y=12H	15.6	16.5	16.4	17.3	18.2	15.6	16.4	16.3	17.2	18.2
x=4H y=2H	10.4	11.4	11.1	12.1	13.0	10.4	11.4	11.1	12.1	13.0
x=4H y=3H	13.0	13.9	13.8	14.7	15.6	13.0	13.9	13.7	14.6	15.6
x=4H y=4H	14.4	15.2	15.2	16.0	17.0	14.4	15.2	15.2	16.0	16.9
x=4H y=6H	15.8	16.5	16.6	17.3	18.3	15.8	16.5	16.6	17.3	18.3
x=4H y=8H	16.5	17.2	17.3	18.0	19.0	16.4	17.1	17.2	17.9	18.9
x=4H y=12H	17.2	17.8	18.0	18.6	19.7	17.1	17.7	17.9	18.6	19.6
x=8H y=4H	15.0	15.6	15.8	16.5	17.5	14.9	15.6	15.8	16.4	17.4
x=8H y=6H	16.6	17.2	17.4	18.0	19.1	16.6	17.1	17.4	18.0	19.0
x=8H y=8H	17.4	18.0	18.3	18.8	19.9	17.4	17.9	18.2	18.8	19.8
x=8H y=12H	18.3	18.7	19.2	19.6	20.7	18.2	18.7	19.1	19.6	20.6
x=12H y=4H	15.1	15.7	15.9	16.5	17.6	15.1	15.7	15.9	16.5	17.5
x=12H y=6H	16.8	17.3	17.7	18.2	19.2	16.8	17.3	17.6	18.1	19.2
x=12H y=8H	17.7	18.2	18.6	19.1	20.1	17.7	18.1	18.5	19.0	20.1

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Flujo Fuentes	270.65 lm	Valor Máximo	31.72 cd	Posición	C=90.00 G=32.50	CG Bisimétrico	

Flujo Total=270.65 Flujo Luminaria=270.65

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	0.48	0.54	0.59	0.65	0.70	0.81	0.89
RC	9	9	9	9	9	9	9	9	9	9	9	8

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)	11	44	98	171	262	365	475	588	698	798	881	941	976	991	997	999	1000	1000

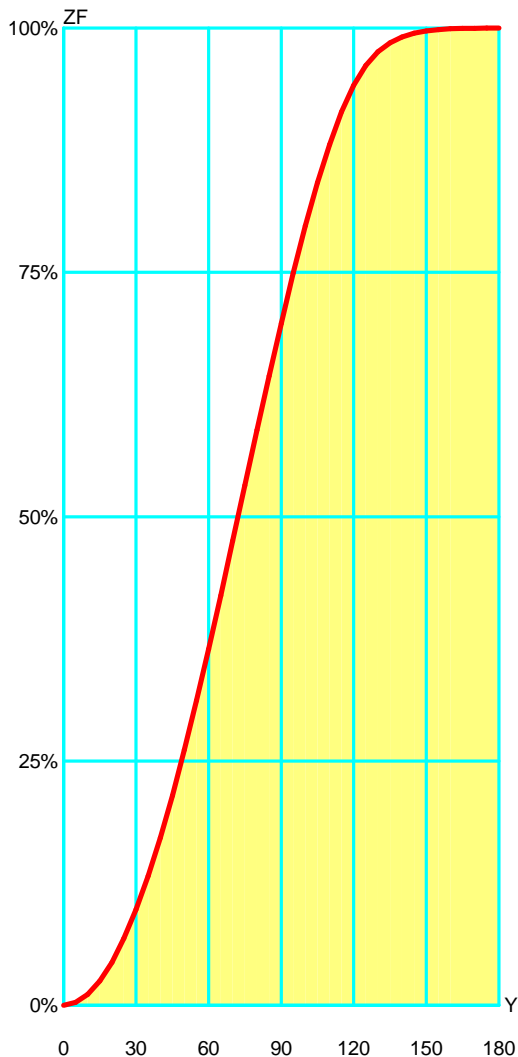
Códigos de Flujo C.I.E.

26 52 77 70 100

C.I.E.  
D DIN 5040  
F UTE  
B NBN  
RN  
BLF

9/9/9/9/9/9/9/9/9/8  
B11  
0.70 J + 0.30 T  
BZ 8 / 0.8 / BZ 7 / 1 / BZ 8 / 2.5 / BZ 7  
30.22749 %  
1.0

LOR 100.00000 %  
ULOR 30.22749 %  
DLOR 69.77251 %  
UFF 30.22749 %  
DFF 69.77251 %  
FFR 43.32293 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00 %	0.00 %
5°	2.76	2.76	0.28 %	0.28 %
10°	8.28	11.05	0.83 %	1.10 %
15°	13.76	24.81	1.38 %	2.48 %
20°	19.17	43.98	1.92 %	4.40 %
25°	24.45	68.42	2.44 %	6.84 %
30°	29.55	97.97	2.96 %	9.80 %
35°	34.42	132.39	3.44 %	13.24 %
40°	38.98	171.38	3.90 %	17.14 %
45°	43.19	214.56	4.32 %	21.46 %
50°	46.95	261.51	4.69 %	26.15 %
55°	50.19	311.70	5.02 %	31.17 %
60°	52.83	364.53	5.28 %	36.45 %
65°	54.78	419.31	5.48 %	41.93 %
70°	56.07	475.38	5.61 %	47.54 %
75°	56.62	532.00	5.66 %	53.20 %
80°	56.45	588.45	5.65 %	58.84 %
85°	55.49	643.94	5.55 %	64.39 %
90°	53.79	697.73	5.38 %	69.77 %
95°	51.45	749.17	5.14 %	74.92 %
100°	48.37	797.55	4.84 %	79.75 %
105°	44.16	841.71	4.42 %	84.17 %
110°	39.11	880.81	3.91 %	88.08 %
115°	33.30	914.11	3.33 %	91.41 %
120°	27.12	941.23	2.71 %	94.12 %
125°	20.40	961.63	2.04 %	96.16 %
130°	14.16	975.79	1.42 %	97.58 %
135°	9.30	985.08	0.93 %	98.51 %
140°	5.92	991.01	0.59 %	99.10 %
145°	3.70	994.71	0.37 %	99.47 %
150°	2.31	997.02	0.23 %	99.70 %
155°	1.40	998.42	0.14 %	99.84 %
160°	0.80	999.22	0.08 %	99.92 %
165°	0.42	999.64	0.04 %	99.96 %
170°	0.21	999.84	0.02 %	99.98 %
175°	0.11	999.95	0.01 %	100.00 %
180°	0.05	1000.00	0.00 %	100.00 %

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Isolux (Suelo)

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

