

**Luminaria**

Código P-4056X  
 Nombre FRAME

**Ensayo**

Código CL131A22F003G  
 Nombre FRAME

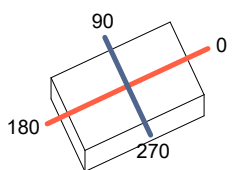
Flujo Luminaria	408.54 lm	Potencia Luminaria	7.91 W	Eficacia	51.65 lm/W	Eficiencia	100.00%
Flujo Fuentes de luz	408.54 lm	Valor Máximo	185.37 cd	Posición	C=75.00 G=32.50	CG	Bisimétrico
Luminaria Rectangular		Longit.	70 mm	Anchura	115 mm	Altura	435 mm
Área Luminosa Rectangular		Longit.	50 mm	Anchura	50 mm	Altura	390 mm
Área Luminosa Horizontal			0.002500 m2	Área Emisión sobre Pl. 180°			0.019500 m2
Área Emisión sobre Pl. 0°			0.019500 m2	Área Emisión sobre Pl. 270°			0.019500 m2
Área Emisión sobre Pl. 90°			0.019500 m2	Área de deslumbramiento a 76°			0.019526 m2
Sist. de Coorden.		CG		Tipo de Simetría		Bisimétrico	
Fecha		25-01-2022		Máximo Ángulo Gamma		180	
Distancia de Ensayo		6.44		Flujo de Ensayo		408.54 lm	
Operador		Asselum T2		Tensión Nominal		230.32 V	
Temperatura		24.30 °C		Corriente Nominal		0.07 A	
Humedad		21.50 %		Fotocélula		Prc	
Notas		RM22011702.3					

**Fuentes de luz de la Luminaria**

Familia	Código	Nombre	Flujo [lm]	Pot. [W]	Cant.
	670000101	LED BXRE-27G0800-D-73 CRI90	408.54	7.91	1
C.I.E.	39 75 95 97 100	D DIN 5040	A21		
F UTE	0.97 E + 0.03 T	B NBN	BZ 6 / 0.8 / BZ 5		



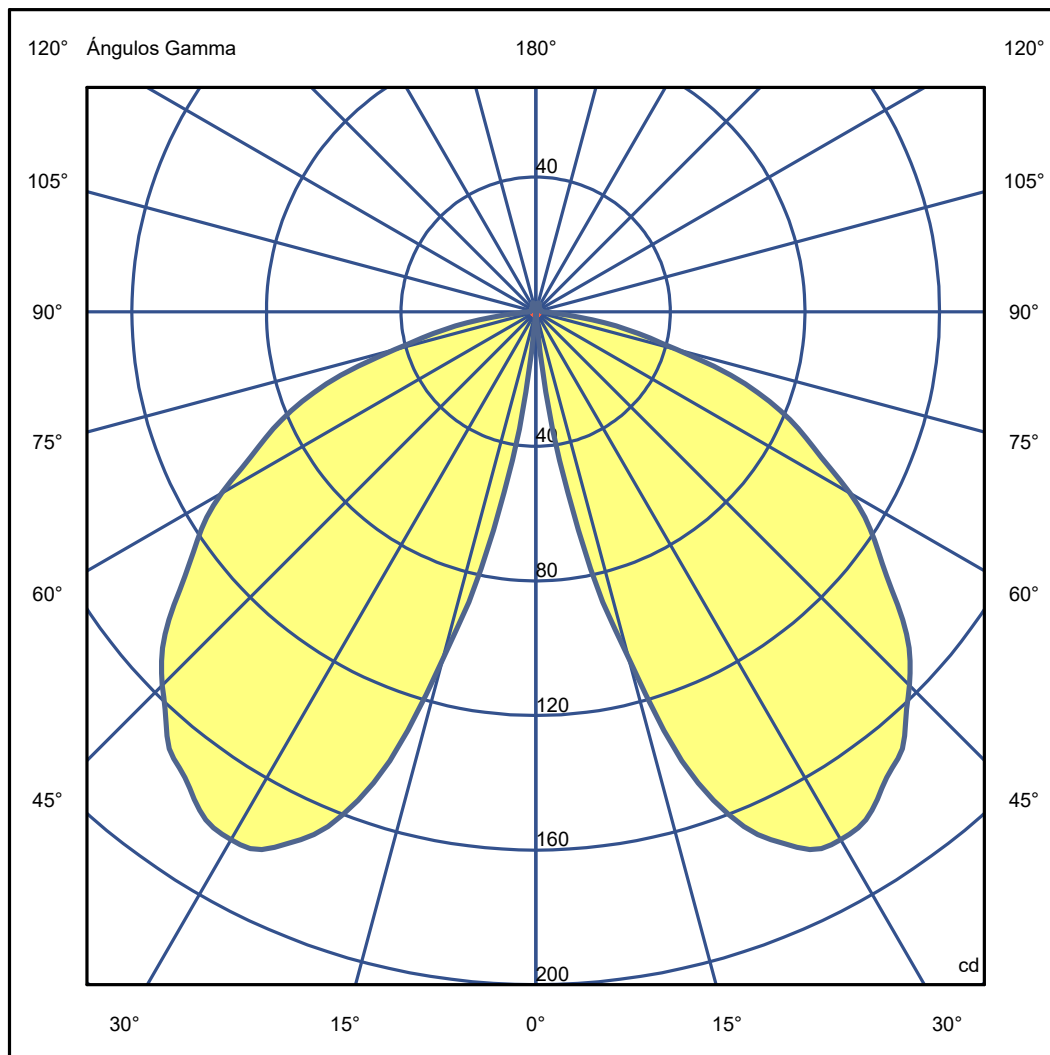
70mm x 115mm



Semiplanos C

180.0 — 0.0  
 270.0 — 90.0

ULOR 2.59 %  
 DLOR 97.41 %  
 RN 2.59 %



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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	0.83	0.83	0.83	0.83	0.83	0.83	0.83
G 2.5	0.93	1.16	1.02	1.36	0.86	1.37	0.61
G 5.0	0.95	1.65	1.73	6.63	2.10	6.70	2.84
G 7.5	1.01	2.66	9.45	17.65	25.60	18.76	29.86
G 10.0	1.03	3.85	23.98	37.90	55.37	57.79	54.49
G 12.5	1.03	6.74	36.16	67.79	86.82	87.10	83.60
G 15.0	1.06	9.42	49.22	89.77	116.65	115.48	106.78
G 17.5	1.09	11.88	62.56	111.93	136.14	136.20	135.54
G 20.0	1.09	15.29	72.29	122.06	152.10	151.75	154.45
G 22.5	1.07	17.86	79.24	132.76	165.39	164.87	166.99
G 25.0	1.03	19.49	83.32	138.39	172.61	175.17	174.36
G 27.5	1.00	18.55	86.04	144.55	177.87	179.84	180.19
G 30.0	0.95	16.16	87.49	147.96	178.73	183.29	181.10
G 32.5	0.91	12.96	87.89	151.06	179.24	185.37	180.53
G 35.0	0.89	12.38	85.86	150.45	176.35	180.48	176.90
G 37.5	0.85	10.43	82.65	150.42	175.50	175.07	172.57
G 40.0	0.83	7.93	80.52	151.55	171.05	169.32	169.44
G 42.5	0.80	6.42	77.15	150.73	161.94	161.93	162.81
G 45.0	0.80	5.91	72.13	148.09	155.55	157.53	156.98
G 47.5	0.80	5.48	66.15	144.01	149.18	152.46	150.70
G 50.0	0.79	5.10	61.81	138.51	140.41	144.10	142.32
G 52.5	0.78	4.85	57.88	132.16	132.65	134.64	132.35
G 55.0	0.78	4.84	53.78	124.17	123.84	127.67	124.20
G 57.5	0.86	4.97	49.02	117.09	115.22	119.18	116.91
G 60.0	1.13	4.92	44.16	108.24	108.02	110.61	107.76
G 62.5	1.01	4.50	40.10	99.36	99.90	101.04	97.04
G 65.0	0.87	3.81	35.89	88.64	89.63	91.85	88.60
G 67.5	0.84	3.58	31.14	79.15	80.71	79.86	80.22
G 70.0	0.80	3.18	26.05	68.24	69.25	68.32	70.24
G 72.5	0.76	2.80	21.48	57.34	58.81	57.88	58.19
G 75.0	0.75	2.49	15.88	43.53	47.23	47.42	43.42
G 77.5	0.78	2.16	11.17	34.06	34.48	38.01	33.01
G 80.0	0.74	1.98	7.85	23.42	25.33	26.05	24.23
G 82.5	0.71	1.81	6.04	15.70	17.01	14.85	14.97
G 85.0	0.69	1.65	4.48	9.78	8.22	8.25	6.51
G 87.5	0.70	1.53	2.81	6.40	4.43	5.00	3.73
G 90.0	0.71	1.43	2.20	3.68	3.05	3.20	2.23
G 92.5	0.71	1.34	2.03	2.90	2.61	2.28	1.92
G 95.0	0.71	1.29	1.94	2.46	2.41	1.99	1.72
G 97.5	0.71	1.27	1.87	2.29	2.31	1.86	1.59
G100.0	0.71	1.23	1.82	2.22	2.19	1.82	1.53
G102.5	0.73	1.21	1.75	2.10	2.16	1.78	1.48
G105.0	0.73	1.19	1.69	2.03	2.08	1.74	1.46
G107.5	0.73	1.16	1.64	1.98	2.03	1.73	1.46
G110.0	0.73	1.15	1.62	1.94	2.03	1.69	1.46
G112.5	0.73	1.14	1.58	1.90	1.96	1.68	1.46
G115.0	0.73	1.12	1.55	1.86	1.93	1.70	1.46
G117.5	0.73	1.11	1.51	1.82	1.90	1.68	1.46
G120.0	0.73	1.11	1.50	1.81	1.87	1.67	1.46
G122.5	0.73	1.10	1.46	1.78	1.86	1.67	1.46
G125.0	0.73	1.08	1.46	1.76	1.84	1.64	1.46
G127.5	0.77	1.08	1.45	1.75	1.82	1.66	1.49
G130.0	0.77	1.07	1.45	1.75	1.82	1.65	1.51
G132.5	0.78	1.07	1.43	1.73	1.81	1.65	1.53
G135.0	0.78	1.07	1.44	1.73	1.82	1.68	1.55
G137.5	0.81	1.07	1.44	1.74	1.84	1.70	1.59
G140.0	0.82	1.08	1.44	1.76	1.86	1.75	1.63
G142.5	0.82	1.08	1.45	1.79	1.92	1.80	1.69
G145.0	0.86	1.10	1.50	1.85	1.99	1.87	1.81
G147.5	0.87	1.11	1.55	1.92	2.08	1.97	1.97
G150.0	0.91	1.13	1.62	2.02	2.22	2.09	2.10
G152.5	0.93	1.18	1.68	2.13	2.36	2.26	2.25
G155.0	0.95	1.22	1.76	2.26	2.53	2.42	2.42
G157.5	1.00	1.26	1.85	2.35	2.69	2.55	2.58
G160.0	1.04	1.29	1.91	2.44	2.77	2.65	2.74
G162.5	1.09	1.32	1.93	2.45	2.80	2.68	2.77
G165.0	1.13	1.36	1.90	2.41	2.73	2.64	2.71
G167.5	1.18	1.38	1.86	2.32	2.59	2.50	2.58
G170.0	1.26	1.40	1.76	2.15	2.28	2.27	2.32
G172.5	1.31	1.37	1.60	1.91	1.96	1.98	1.95
G175.0	1.33	1.36	1.44	1.62	1.56	1.64	1.37
G177.5	1.35	1.34	1.28	1.41	1.10	1.27	0.93
G180.0	1.17	1.17	1.17	1.17	1.17	1.17	1.17

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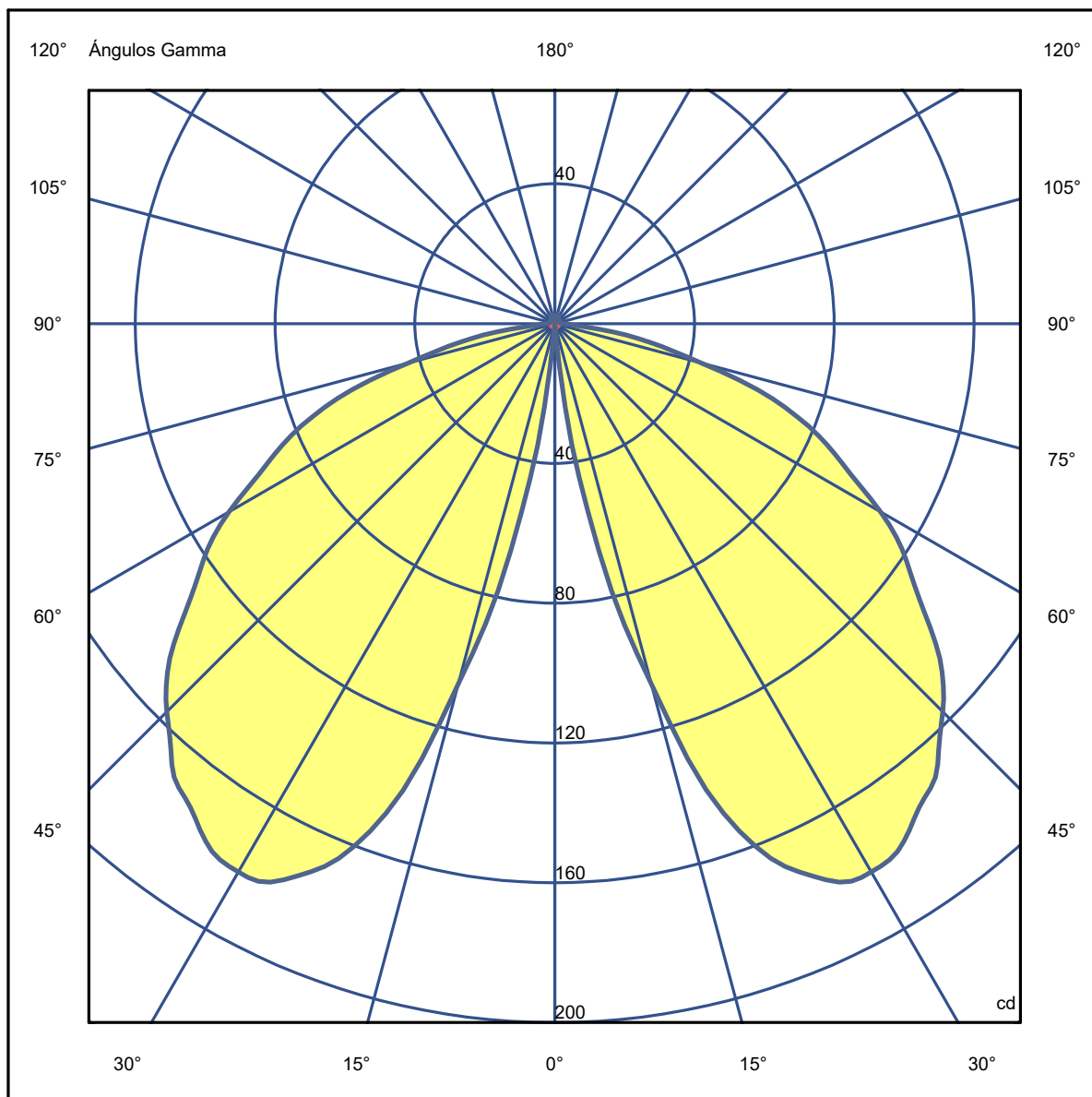
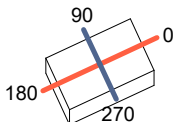
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70mm x 115mm

Semiplanos C

180.0 ——— 0.0

270.0 ——— 90.0



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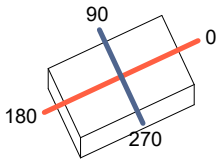
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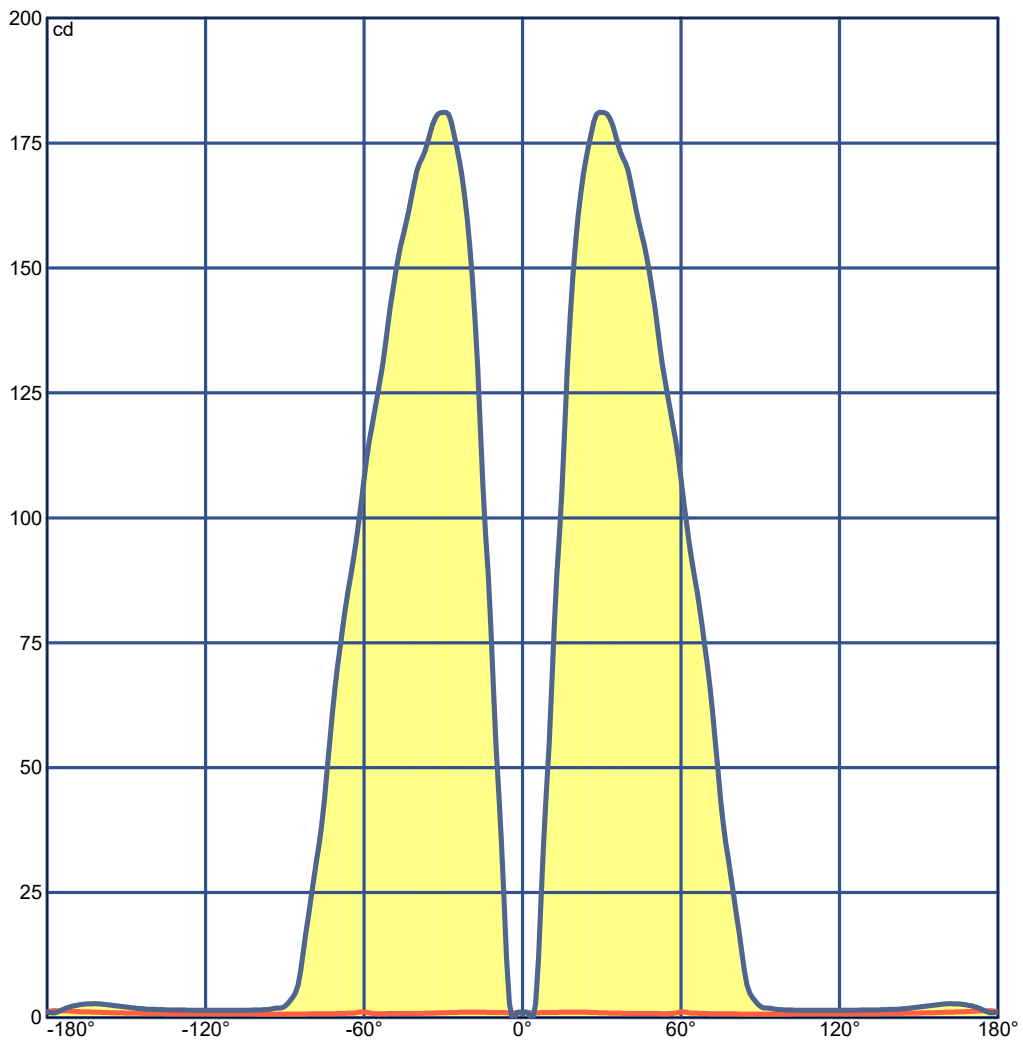
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**UGR**  
S = 0.250

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 Lateral					Vista Longitudinal				
x=2H y=2H	12.9	14.3	13.3	14.6	14.9	20.6	22.0	21.0	22.3	22.6
x=2H y=3H	12.8	14.1	13.2	14.4	14.7	21.7	23.0	22.1	23.3	23.6
x=2H y=4H	12.7	13.9	13.1	14.2	14.6	22.0	23.2	22.4	23.6	23.9
x=2H y=6H	12.6	13.7	13.0	14.1	14.5	22.2	23.3	22.6	23.6	24.0
x=2H y=8H	12.6	13.7	13.0	14.0	14.4	22.2	23.2	22.6	23.6	24.0
x=2H y=12H	12.6	13.6	13.0	14.0	14.3	22.1	23.2	22.6	23.5	23.9
x=4H y=2H	15.9	17.0	16.2	17.4	17.7	20.9	22.1	21.3	22.4	22.8
x=4H y=3H	16.1	17.1	16.5	17.5	17.8	22.2	23.2	22.6	23.6	24.0
x=4H y=4H	16.0	16.9	16.5	17.3	17.7	22.6	23.5	23.0	23.9	24.3
x=4H y=6H	16.0	16.7	16.4	17.2	17.6	22.8	23.6	23.3	24.0	24.5
x=4H y=8H	15.9	16.6	16.4	17.1	17.5	22.8	23.6	23.3	24.0	24.5
x=4H y=12H	15.9	16.5	16.4	17.0	17.5	22.8	23.5	23.3	23.9	24.4
x=8H y=4H	16.9	17.6	17.3	18.0	18.5	22.6	23.3	23.1	23.8	24.3
x=8H y=6H	16.8	17.4	17.4	17.9	18.4	22.9	23.5	23.4	24.0	24.5
x=8H y=8H	16.8	17.3	17.3	17.8	18.4	22.9	23.5	23.5	24.0	24.5
x=8H y=12H	16.8	17.2	17.3	17.7	18.3	22.9	23.4	23.5	23.9	24.5
x=12H y=4H	17.8	18.5	18.3	18.9	19.4	22.6	23.2	23.1	23.7	24.2
x=12H y=6H	17.8	18.4	18.4	18.8	19.4	22.9	23.4	23.4	23.9	24.4
x=12H y=8H	17.8	18.3	18.4	18.8	19.3	22.9	23.4	23.5	23.9	24.4

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Flujo Total=408.54 Flujo Luminaria=408.54

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	0.24	0.33	0.41	0.49	0.55	0.64	0.71	0.75	0.81	0.84	0.92	0.96
RC	7	6	6	6	6	6	6	6	6	6	6	5

Flujo Zonal por 1000 Lúmenes

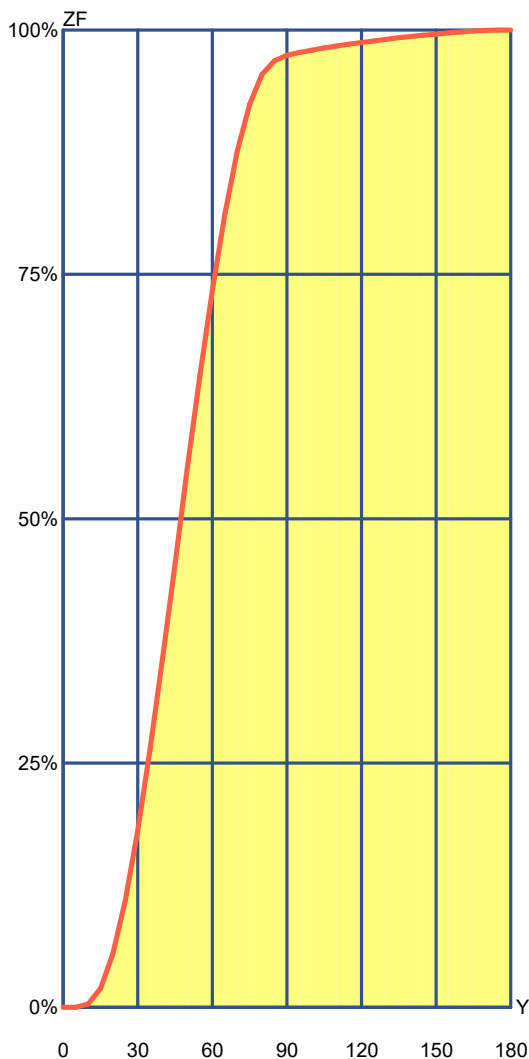
Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	3	54	181	358	552	733	876	954	974	979	984	987	991	993	996	998	1000	1000

Códigos de Flujo C.I.E.

39 75 95 97 100

C.I.E. 7/6/6/6/6/6/6/6/6/5  
D DIN 5040 A21  
F UTE 0.97 E + 0.03 T  
B NBN BZ 6 / 0.8 / BZ 5  
RN 2.59263 %  
BLF 1.0

LOR 100.00000 %  
ULOR 2.59263 %  
DLOR 97.40737 %  
UFF 2.59263 %  
DFF 97.40737 %  
FFR 2.66163 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	0.11	0.11	0.01%	0.01 %
10°	3.19	3.30	0.32%	0.33 %
15°	15.94	19.24	1.59%	1.92 %
20°	35.14	54.39	3.51%	5.44 %
25°	54.78	109.17	5.48%	10.92 %
30°	71.69	180.87	7.17%	18.09 %
35°	84.50	265.37	8.45%	26.54 %
40°	92.59	357.96	9.26%	35.80 %
45°	96.78	454.74	9.68%	45.47 %
50°	97.46	552.19	9.75%	55.22 %
55°	93.79	645.98	9.38%	64.60 %
60°	87.46	733.45	8.75%	73.34 %
65°	77.95	811.40	7.80%	81.14 %
70°	64.78	876.18	6.48%	87.62 %
75°	48.21	924.39	4.82%	92.44 %
80°	29.96	954.35	3.00%	95.43 %
85°	14.38	968.73	1.44%	96.87 %
90°	5.35	974.07	0.53%	97.41 %
95°	2.86	976.94	0.29%	97.69 %
100°	2.40	979.33	0.24%	97.93 %
105°	2.21	981.54	0.22%	98.15 %
110°	2.06	983.60	0.21%	98.36 %
115°	1.94	985.54	0.19%	98.55 %
120°	1.81	987.35	0.18%	98.73 %
125°	1.69	989.04	0.17%	98.90 %
130°	1.58	990.62	0.16%	99.06 %
135°	1.46	992.08	0.15%	99.21 %
140°	1.36	993.44	0.14%	99.34 %
145°	1.27	994.71	0.13%	99.47 %
150°	1.21	995.92	0.12%	99.59 %
155°	1.16	997.07	0.12%	99.71 %
160°	1.06	998.14	0.11%	99.81 %
165°	0.88	999.01	0.09%	99.90 %
170°	0.60	999.62	0.06%	99.96 %
175°	0.31	999.92	0.03%	99.99 %
180°	0.08	1000.00	0.01%	100.00 %

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Isolux (Suelo)

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

