

Luminaire

Code 6476
Name Colgante Redondo Mediano 120cm

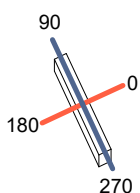
Measurem.

Code CL252A21F004G.E3
Name Colgante Redondo Mediano 120cm

Luminaire Flux	1338.37 lm	Luminaire Power	31.90 W	Efficacy	41.96 lm/W	Efficiency	100.00%
Sources Flux	1338.37 lm	Maximum value	222.01 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical
Rectangular Luminaire		Length	1200 mm	Width	150 mm	Height	180 mm
Rectangular Luminous Area		Length	1200 mm	Width	150 mm	Height	150 mm
Horizontal Luminous Area		0.180000 m2		Emitting area on Plane 180°		0.180000 m2	
Emitting area on Plane 0°		0.180000 m2		Emitting area on Plane 270°		0.022500 m2	
Emitting area on Plane 90°		0.022500 m2		Glare area at 76°		0.218199 m2	
Coordinate system		CG		Symmetry Type		Double Symmetrical	
Date		29-01-2021		Maximum Gamma Angle		180	
Measurement Distance		6.44		Measurement Flux		1338.36 lm	
Operator		ASSELUM		Rated Voltage		230.30 V	
Temperature		25.40 °C		Rated Current		0.14 A	
Humidity		38.30 %		Photocell		Prc	
Notes							

Luminaire Sources						
Line		Code LED	Name LED	Flux [lm]	Pow. [W]	Q.ty
				1338.37	31.90	1
C.I.E.	34 62 84 69 100		D DIN 5040	B21		
F UTE	0.69 H + 0.31 T		B NBN	BZ 6		

1200mm x 150mm



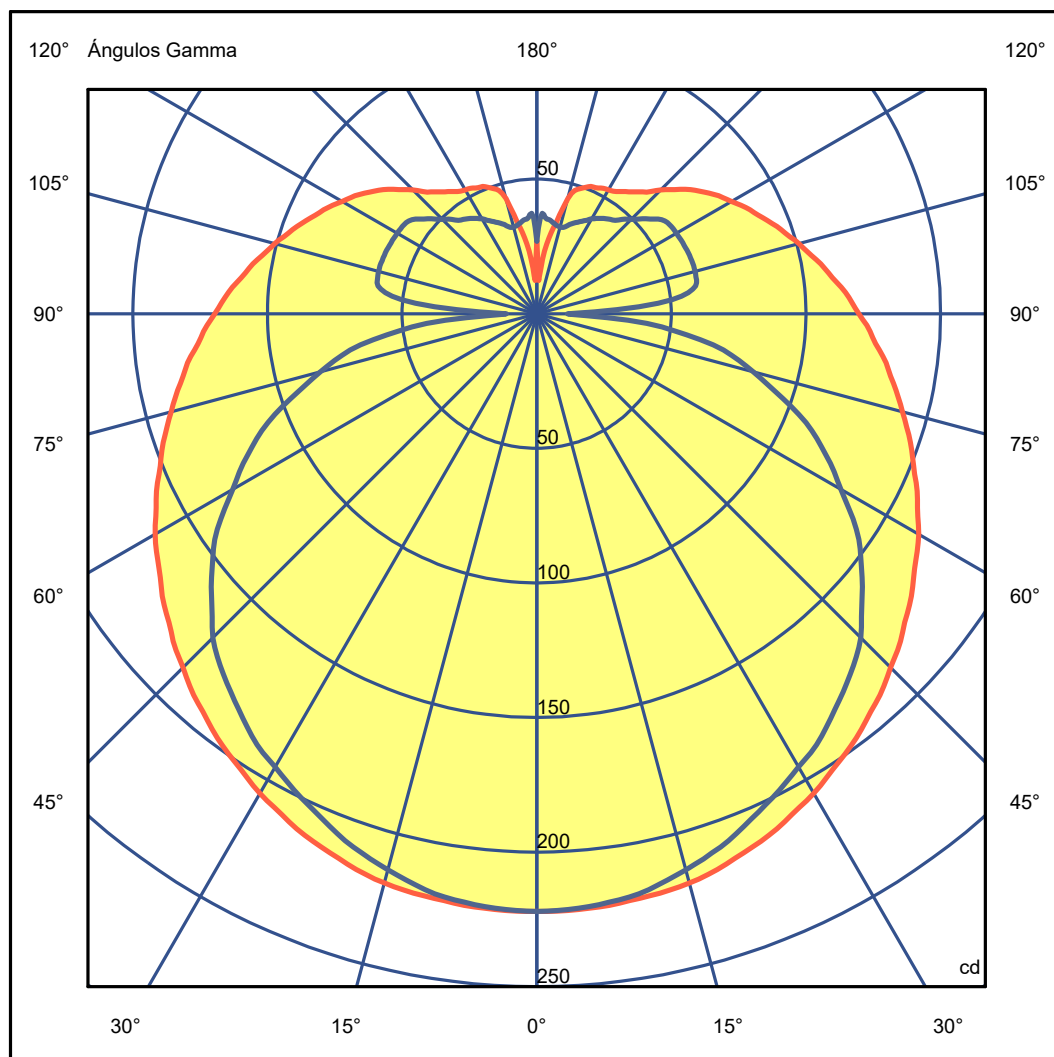
Semiplanos C

180.0 — 0.0
270.0 — 90.0

ULOR 30.80 %

DLOR 69.20 %

RN 30.80 %



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Measur.

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Sources Flux	1338.37 lm	Maximum value	222.01 cd	Position	C=0.00 G=0.00	CG Double Symmetrical	
Luminous Intensity Table cd Table 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	222.01	222.01	222.01	222.01	222.01	222.01	222.01
G 2.5	221.95	221.95	221.91	221.84	221.75	221.67	221.63
G 5.0	221.68	221.62	221.46	221.28	221.12	221.03	221.03
G 7.5	221.22	221.10	220.82	220.50	220.22	220.04	220.03
G 10.0	220.41	220.15	219.74	219.40	219.02	218.76	218.73
G 12.5	219.86	219.37	218.59	217.84	217.07	216.53	216.33
G 15.0	218.93	218.29	217.26	216.22	215.05	214.18	213.84
G 17.5	217.41	216.71	215.52	214.29	212.79	211.61	211.14
G 20.0	215.29	214.53	213.30	211.95	210.22	208.82	208.23
G 22.5	213.27	212.46	211.10	209.47	207.25	205.36	204.55
G 25.0	211.10	209.85	207.94	205.91	203.63	201.87	201.16
G 27.5	208.19	206.80	204.54	202.24	200.01	198.45	197.86
G 30.0	205.72	204.20	201.59	198.77	196.44	194.92	194.37
G 32.5	202.44	200.46	197.52	194.69	192.80	191.83	191.55
G 35.0	199.58	197.07	193.52	190.28	188.38	187.62	187.48
G 37.5	196.58	193.87	190.05	186.51	184.34	183.40	183.19
G 40.0	192.95	190.13	185.99	182.19	180.04	179.24	179.12
G 42.5	189.82	186.71	182.21	178.13	175.84	175.02	174.91
G 45.0	185.86	182.68	178.19	174.04	171.50	170.39	170.15
G 47.5	182.53	179.01	173.99	169.14	165.83	164.08	163.56
G 50.0	178.37	174.89	169.71	164.52	160.75	158.56	157.86
G 52.5	174.97	171.31	165.74	160.00	155.54	152.77	151.81
G 55.0	170.79	166.73	160.86	154.83	150.09	147.09	146.04
G 57.5	167.27	163.19	157.07	150.32	144.29	140.00	138.37
G 60.0	163.74	159.28	152.53	144.90	137.77	132.51	130.46
G 62.5	159.48	155.03	148.00	139.82	131.98	126.07	123.74
G 65.0	155.88	151.33	143.97	135.13	126.28	119.40	116.63
G 67.5	151.64	146.85	139.31	130.05	120.36	112.62	109.46
G 70.0	148.21	143.12	134.93	124.58	113.38	104.24	100.46
G 72.5	144.44	139.62	131.40	120.20	107.14	96.03	91.33
G 75.0	140.60	135.85	127.34	115.37	101.03	88.66	83.39
G 77.5	137.12	132.31	123.62	110.97	95.29	81.52	75.60
G 80.0	133.46	129.00	120.48	107.11	89.44	73.46	66.50
G 82.5	130.28	126.17	117.50	102.62	81.73	62.32	53.78
G 85.0	126.33	123.31	115.20	99.16	74.80	51.50	41.11
G 87.5	123.32	119.54	111.56	96.09	65.74	35.77	22.21
G 90.0	119.62	116.62	109.27	93.00	59.80	26.51	11.36
G 92.5	116.60	114.20	106.70	90.10	63.36	37.25	25.49
G 95.0	113.55	109.11	100.74	87.29	69.12	52.51	45.25
G 97.5	109.95	104.76	96.25	84.82	71.56	60.29	55.54
G100.0	107.09	101.54	93.09	82.79	72.02	63.39	59.87
G102.5	103.59	98.09	90.10	80.69	71.15	63.67	60.64
G105.0	100.78	95.30	87.49	78.62	70.02	63.47	60.87
G107.5	97.60	92.39	85.04	76.81	69.02	63.19	60.89
G110.0	94.84	89.81	82.80	75.10	68.00	62.78	60.76
G112.5	91.84	86.98	80.44	73.39	67.00	62.37	60.59
G115.0	89.05	84.46	78.41	71.96	66.14	61.95	60.34
G117.5	86.54	81.98	76.11	70.09	64.96	61.44	60.13
G120.0	83.53	79.21	73.63	68.09	63.70	60.88	59.89
G122.5	81.02	76.61	71.07	65.88	62.25	60.24	59.61
G125.0	78.16	73.53	67.95	63.15	60.42	59.36	59.18
G127.5	75.17	70.46	64.88	60.30	58.08	57.57	57.66
G130.0	72.06	67.65	62.44	58.06	55.71	54.93	54.86
G132.5	68.29	64.64	60.24	56.30	53.99	52.62	52.19
G135.0	65.15	62.19	58.57	55.01	52.13	50.25	49.58
G137.5	61.42	59.29	56.78	53.95	51.01	48.65	47.68
G140.0	59.21	57.57	55.46	52.72	49.45	46.61	45.39
G142.5	57.14	55.95	54.21	51.71	48.49	45.59	44.34
G145.0	55.45	54.53	52.98	50.59	47.40	44.49	43.21
G147.5	53.88	53.11	51.61	49.24	46.09	43.24	41.99
G150.0	53.17	52.22	50.29	47.61	44.49	41.85	40.74
G152.5	52.61	51.27	48.70	45.53	42.42	40.04	39.09
G155.0	51.77	50.23	47.27	43.83	40.78	38.63	37.82
G157.5	51.24	49.29	45.75	41.95	38.99	37.16	36.53
G160.0	49.69	47.03	42.80	38.79	36.42	35.45	35.27
G162.5	48.34	44.50	39.12	34.71	33.63	33.60	33.81
G165.0	44.31	39.82	34.11	30.19	30.70	32.49	33.37
G167.5	36.10	32.71	28.48	26.36	28.23	31.80	33.73
G170.0	30.66	28.30	25.43	24.72	27.80	32.22	34.47
G172.5	24.94	24.45	23.88	25.00	28.80	33.18	35.28
G175.0	17.12	19.74	22.97	26.80	31.02	34.52	35.98
G177.5	12.84	17.39	23.36	29.16	33.45	36.01	36.86
G180.0	26.97	26.97	26.97	26.97	26.97	26.97	26.97

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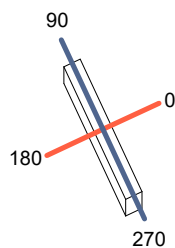
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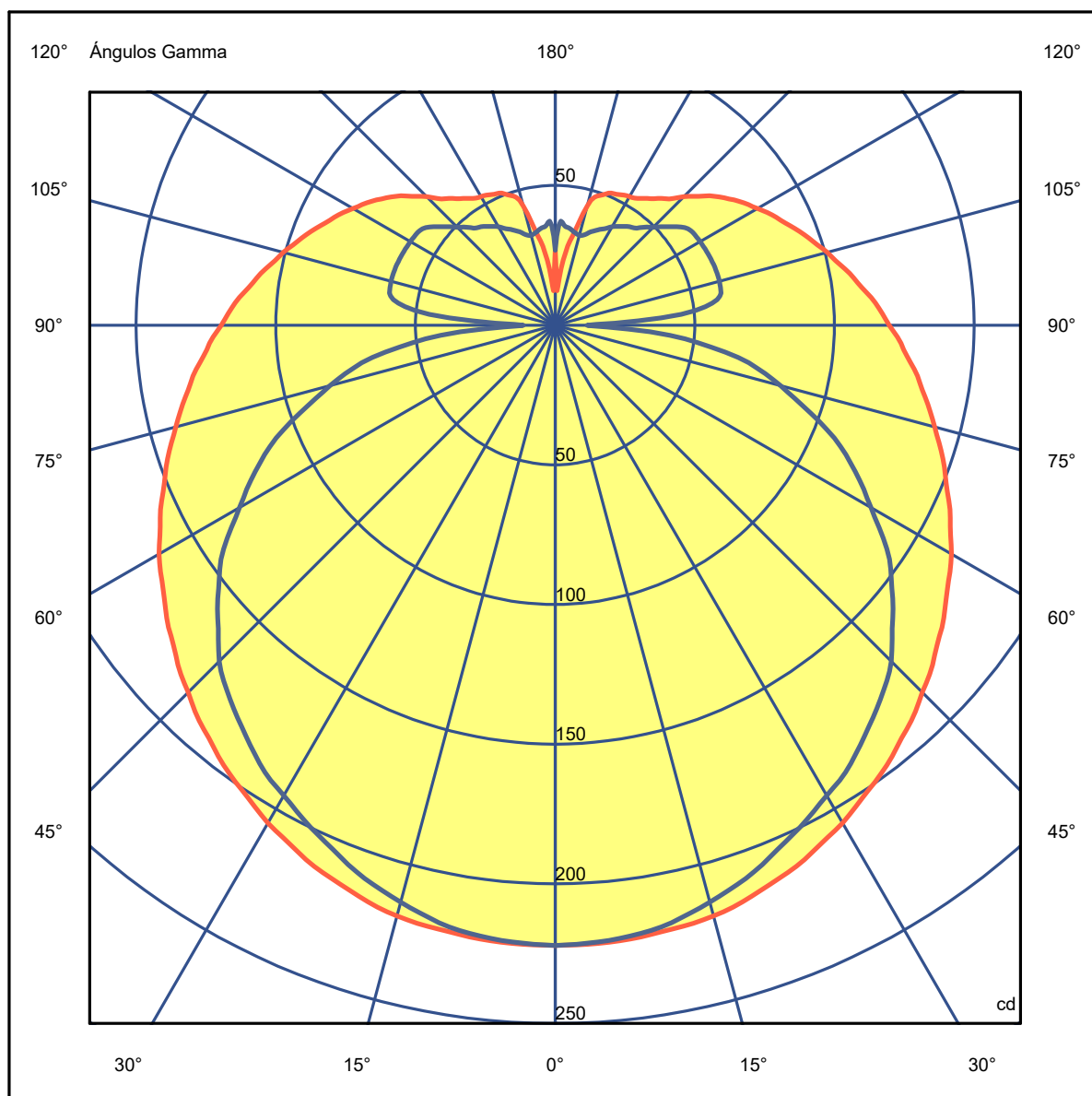
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Sources Flux	1338.37 lm	Maximum value	222.01 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

1200mm x 150mm



Semiplanos C

180.0 ——— 0.0
270.0 ——— 90.0



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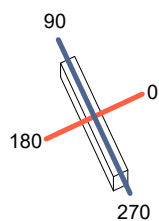
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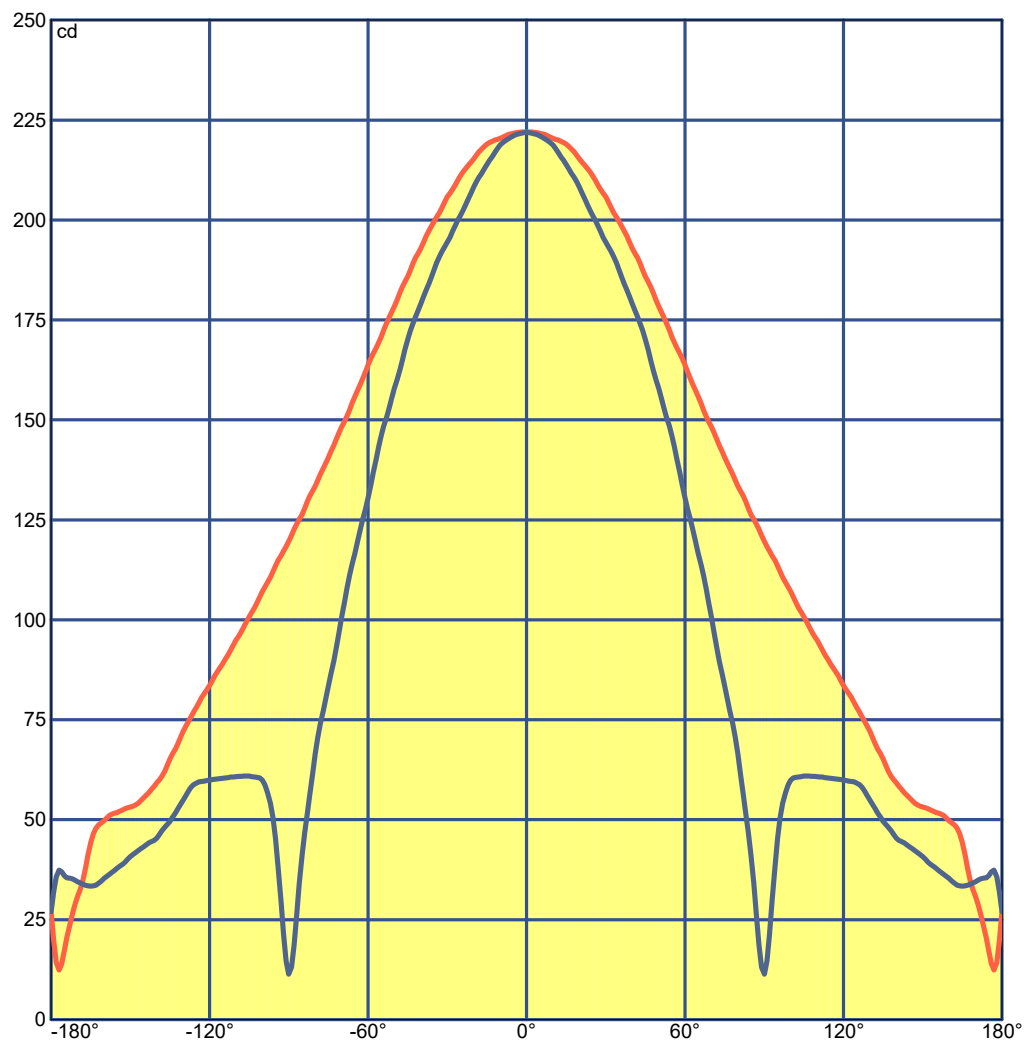
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1200mm x 150mm



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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
Working Plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions	Lateral View					Viewed Endwise				
x=2H y=2H	9.4	10.5	10.1	11.2	12.1	10.0	11.1	10.7	11.8	12.6
x=2H y=3H	11.6	12.5	12.3	13.3	14.2	12.0	13.0	12.7	13.7	14.6
x=2H y=4H	12.7	13.6	13.4	14.3	15.2	12.9	13.9	13.7	14.6	15.5
x=2H y=6H	13.8	14.6	14.5	15.4	16.3	13.8	14.7	14.6	15.5	16.4
x=2H y=8H	14.3	15.1	15.1	15.9	16.9	14.2	15.0	14.9	15.8	16.7
x=2H y=12H	14.8	15.6	15.6	16.4	17.3	14.5	15.3	15.2	16.1	17.0
x=4H y=2H	10.1	11.0	10.8	11.8	12.7	10.5	11.4	11.2	12.2	13.1
x=4H y=3H	12.4	13.2	13.2	14.0	14.9	12.7	13.5	13.5	14.3	15.2
x=4H y=4H	13.7	14.4	14.5	15.2	16.2	13.8	14.5	14.6	15.3	16.3
x=4H y=6H	15.0	15.6	15.8	16.4	17.4	14.8	15.4	15.6	16.2	17.2
x=4H y=8H	15.6	16.2	16.4	17.0	18.0	15.2	15.8	16.0	16.6	17.6
x=4H y=12H	16.2	16.8	17.1	17.6	18.6	15.6	16.1	16.4	16.9	18.0
x=8H y=4H	14.1	14.7	14.9	15.5	16.5	14.1	14.7	15.0	15.5	16.6
x=8H y=6H	15.6	16.1	16.4	16.9	18.0	15.3	15.8	16.2	16.7	17.7
x=8H y=8H	16.4	16.8	17.2	17.7	18.7	15.9	16.3	16.7	17.2	18.3
x=8H y=12H	17.2	17.6	18.1	18.5	19.5	16.3	16.7	17.2	17.6	18.7
x=12H y=4H	14.7	15.3	15.6	16.1	17.1	15.0	15.5	15.8	16.4	17.4
x=12H y=6H	16.1	16.5	17.0	17.4	18.5	16.0	16.5	16.9	17.3	18.4
x=12H y=8H	16.9	17.3	17.8	18.2	19.2	16.6	16.9	17.4	17.8	18.9

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Flujo Total=1338.37 Flujo Luminaria=1338.37

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	0.22	0.29	0.35	0.41	0.47	0.55	0.61	0.66	0.72	0.76	0.85	0.92
RC	7	7	7	7	7	7	7	7	7	7	7	7

Flujo Zonal por 1000 Lúmenes

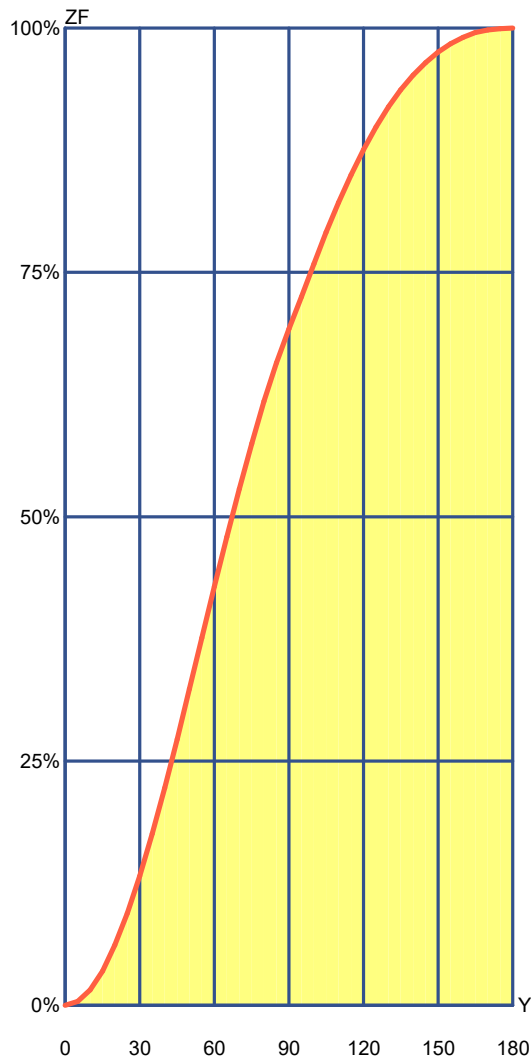
Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	16	61	132	222	324	428	528	618	692	759	821	876	919	952	975	991	998	1000

Códigos de Flujo C.I.E.

34 62 84 69 100

C.I.E. 7
D DIN 5040 B21
F UTE 0.69 H + 0.31 T
B NBN BZ 6
RN 30.79879 %
BLF 1.0

LOR 100.00000 %
ULOR 30.79879 %
DLOR 69.20121 %
UFF 30.79879 %
DFF 69.20121 %
FFR 44.50615 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	3.96	3.96	0.40 %	0.40 %
10°	11.78	15.74	1.18 %	1.57 %
15°	19.31	35.05	1.93 %	3.50 %
20°	26.36	61.41	2.64 %	6.14 %
25°	32.74	94.14	3.27 %	9.41 %
30°	38.29	132.44	3.83 %	13.24 %
35°	43.03	175.47	4.30 %	17.55 %
40°	46.84	222.31	4.68 %	22.23 %
45°	49.78	272.09	4.98 %	27.21 %
50°	51.59	323.68	5.16 %	32.37 %
55°	52.41	376.09	5.24 %	37.61 %
60°	52.20	428.28	5.22 %	42.83 %
65°	51.02	479.30	5.10 %	47.93 %
70°	49.12	528.43	4.91 %	52.84 %
75°	46.37	574.79	4.64 %	57.48 %
80°	43.31	618.10	4.33 %	61.81 %
85°	39.45	657.55	3.94 %	65.76 %
90°	34.46	692.01	3.45 %	69.20 %
95°	32.97	724.99	3.30 %	72.50 %
100°	33.76	758.75	3.38 %	75.87 %
105°	32.38	791.13	3.24 %	79.11 %
110°	30.33	821.46	3.03 %	82.15 %
115°	28.17	849.63	2.82 %	84.96 %
120°	25.90	875.53	2.59 %	87.55 %
125°	23.36	898.89	2.34 %	89.89 %
130°	20.46	919.35	2.05 %	91.94 %
135°	17.54	936.90	1.75 %	93.69 %
140°	14.97	951.87	1.50 %	95.19 %
145°	12.75	964.62	1.27 %	96.46 %
150°	10.69	975.30	1.07 %	97.53 %
155°	8.65	983.95	0.86 %	98.40 %
160°	6.69	990.64	0.67 %	99.06 %
165°	4.64	995.28	0.46 %	99.53 %
170°	2.75	998.03	0.28 %	99.80 %
175°	1.48	999.51	0.15 %	99.95 %
180°	0.49	1000.00	0.05 %	100.00 %

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Isolux (Floor)

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

