

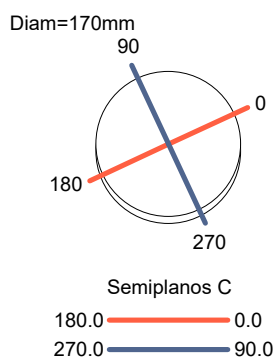
Luminaire

Code 201-002
Name BOL_FIXET_OPTICAL_SET
Measurem.
Code CL092A22F011G
Name BOL_FIXET_OPTICAL_SET

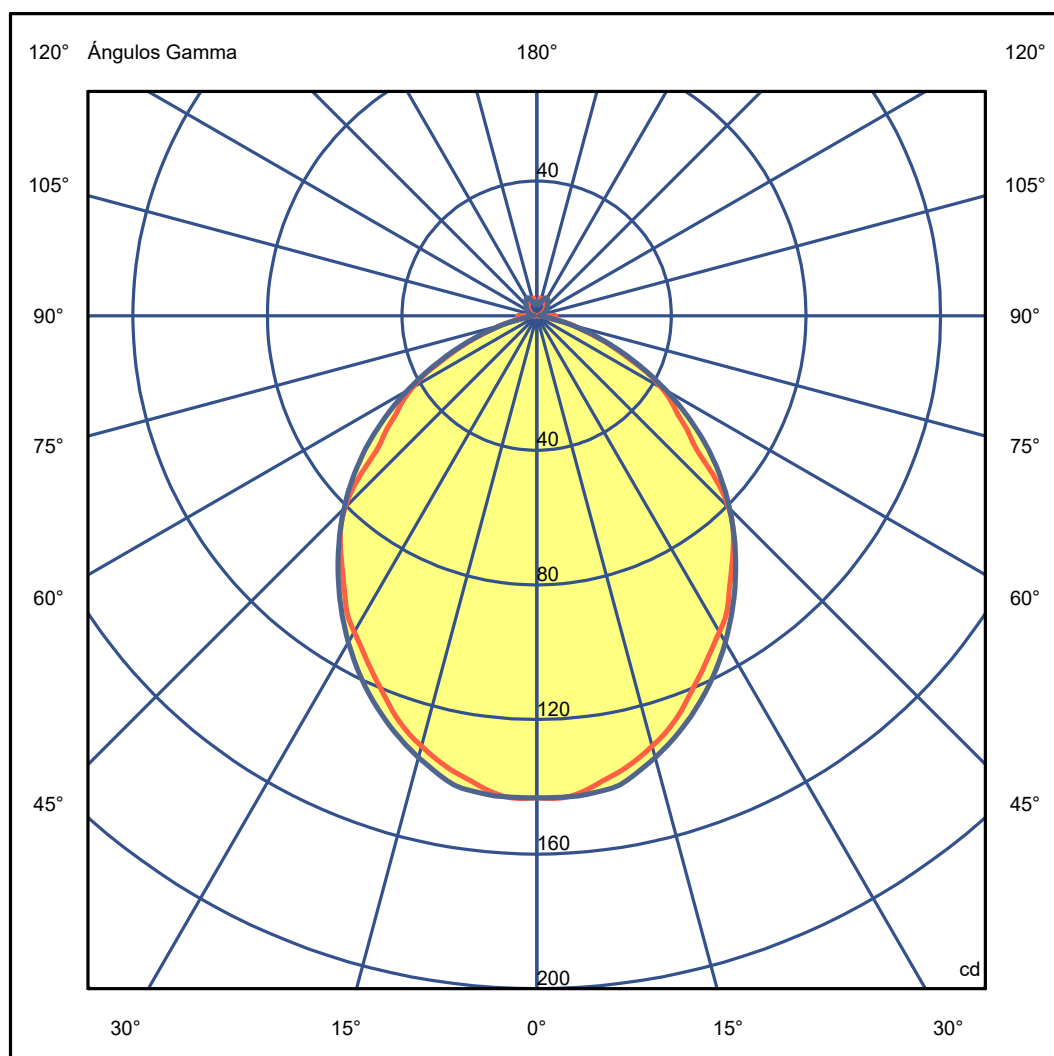
Luminaire Flux	348.91 lm	Luminaire Power	7.92 W	Efficacy	44.05 lm/W	Efficiency	100.00%
Sources Flux	348.91 lm	Maximum value	143.48 cd	Position	C=30.00 G=2.50	CG	Double Symmetrical
Round Luminaire		Diam.	170 mm	Height	100 mm		
Round Luminous Area		Diam.	160 mm	Height	0 mm		
Horizontal Luminous Area		0.020106 m2		Emitting area on Plane 180°		0.000000 m2	
Emitting area on Plane 0°		0.000000 m2		Emitting area on Plane 270°		0.000000 m2	
Emitting area on Plane 90°		0.000000 m2		Glare area at 76°		0.004864 m2	
Coordinate system		CG		Symmetry Type		Double Symmetrical	
Date		06-04-2022		Maximum Gamma Angle		180	
Measurement Distance		6.44		Measurement Flux		348.91 lm	
Operator		Asselum T2		Rated Voltage		11.34 V	
Temperature		24.80 °C		Rated Current		0.70 A	
Humidity		23.50 %		Photocell		Prc	
Notes		RM22033101.2					

Luminaire Sources

Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty
	MP 2835 LM281B	SPMWSH128107ZAWMS	348.91	7.92	1
C.I.E.	54 85 98 94 100	D DIN 5040	A41		
F UTE	0.94 D + 0.06 T	B NBN	BZ 4 / 1.25 / BZ 3		



ULOR 5.72 %
DLOR 94.28 %
RN 5.72 %



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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	143.24	143.24	143.24	143.24	143.24	143.24	143.24
G 2.5	143.48	143.48	143.48	143.48	143.41	143.30	143.24
G 5.0	142.50	142.46	142.74	143.02	143.26	143.44	143.24
G 7.5	140.17	140.48	141.01	141.74	142.30	142.61	142.54
G 10.0	137.93	138.07	138.51	139.69	140.69	141.35	141.58
G 12.5	135.40	135.45	136.00	137.07	138.33	138.59	138.85
G 15.0	132.40	132.63	133.33	134.16	134.76	135.46	135.86
G 17.5	129.17	129.31	130.21	130.71	131.26	132.14	132.60
G 20.0	125.07	125.62	126.52	127.02	127.88	128.58	129.06
G 22.5	120.50	121.06	121.91	122.78	124.19	124.81	125.23
G 25.0	116.25	116.37	117.06	118.44	120.33	120.69	121.10
G 27.5	112.12	112.55	112.40	113.96	115.93	116.32	116.69
G 30.0	108.47	108.76	108.22	109.42	110.94	111.68	112.02
G 32.5	104.90	104.95	104.00	104.60	105.79	106.80	107.16
G 35.0	99.67	101.05	99.43	99.75	100.51	101.72	102.14
G 37.5	95.00	95.60	95.32	94.80	95.14	96.53	97.02
G 40.0	90.74	91.20	91.18	89.39	89.75	91.13	91.80
G 42.5	86.34	86.70	86.37	84.31	84.27	85.58	86.48
G 45.0	80.60	81.37	81.37	79.05	78.52	79.89	81.04
G 47.5	72.51	74.02	76.18	73.75	72.83	74.01	75.42
G 50.0	62.24	68.30	70.71	68.62	67.21	68.00	69.61
G 52.5	56.79	61.89	65.12	63.27	61.59	61.82	63.56
G 55.0	51.25	56.46	58.84	57.88	55.88	55.58	57.30
G 57.5	47.32	50.89	52.43	52.40	50.09	49.38	50.90
G 60.0	42.79	44.93	45.88	46.46	44.11	43.27	44.44
G 62.5	37.62	38.13	39.57	40.23	38.11	37.23	38.06
G 65.0	30.44	32.35	33.39	33.67	32.22	31.34	31.86
G 67.5	25.06	26.38	27.66	27.50	26.50	25.81	25.95
G 70.0	19.73	21.22	21.86	21.73	21.09	20.63	20.45
G 72.5	15.03	16.95	16.88	16.53	16.16	15.85	15.44
G 75.0	11.10	12.68	12.66	12.03	11.82	11.53	11.02
G 77.5	8.00	8.56	9.09	8.36	8.13	7.79	7.28
G 80.0	4.18	5.56	6.30	5.51	5.18	4.72	4.30
G 82.5	2.44	3.96	4.00	3.39	3.21	3.03	2.79
G 85.0	1.39	2.89	2.34	2.33	2.04	1.84	1.70
G 87.5	0.88	1.72	1.72	1.69	1.34	1.11	1.03
G 90.0	5.68	1.45	1.39	1.36	1.03	0.80	0.76
G 92.5	0.45	1.41	1.31	1.25	1.00	0.76	0.73
G 95.0	0.46	1.48	1.47	1.37	1.18	0.94	0.87
G 97.5	0.59	1.51	1.60	1.59	1.53	1.41	1.36
G100.0	0.68	1.62	1.71	1.76	1.82	1.82	1.78
G102.5	0.81	1.73	1.84	1.90	2.03	2.10	2.08
G105.0	0.94	1.85	2.01	2.05	2.18	2.29	2.27
G107.5	1.10	2.00	2.21	2.23	2.32	2.42	2.41
G110.0	1.29	2.18	2.40	2.42	2.46	2.54	2.53
G112.5	1.55	2.39	2.62	2.64	2.64	2.67	2.66
G115.0	1.76	2.64	2.85	2.86	2.85	2.84	2.83
G117.5	1.98	2.85	3.06	3.09	3.08	3.04	3.03
G120.0	2.22	2.99	3.28	3.31	3.30	3.27	3.26
G122.5	2.48	3.18	3.49	3.52	3.54	3.52	3.50
G125.0	2.74	3.33	3.70	3.72	3.75	3.75	3.73
G127.5	3.06	3.45	3.91	3.95	3.96	3.97	3.94
G130.0	3.30	3.55	4.22	4.20	4.16	4.16	4.13
G132.5	3.58	3.63	4.35	4.45	4.36	4.33	4.32
G135.0	3.87	3.67	4.51	4.70	4.60	4.52	4.52
G137.5	4.08	3.79	4.61	4.94	4.83	4.75	4.74
G140.0	4.18	3.85	4.66	5.16	5.07	5.02	5.01
G142.5	4.27	3.86	4.66	5.29	5.31	5.33	5.32
G145.0	4.31	3.88	4.65	5.40	5.51	5.62	5.64
G147.5	4.35	4.04	4.64	5.43	5.69	5.84	5.89
G150.0	4.44	4.26	4.62	5.37	5.74	5.95	6.05
G152.5	4.63	4.47	4.60	5.26	5.71	5.96	6.06
G155.0	4.83	4.63	4.59	5.15	5.64	5.71	5.89
G157.5	4.93	4.81	4.61	5.01	5.53	5.37	5.51
G160.0	5.03	4.89	4.64	4.89	4.97	4.84	5.02
G162.5	5.13	5.01	4.78	4.83	3.85	4.22	4.37
G165.0	5.21	5.19	4.93	4.99	3.43	3.69	3.79
G167.5	5.35	5.28	5.19	3.34	3.25	3.34	3.39
G170.0	5.25	4.95	3.97	3.56	3.34	3.28	3.27
G172.5	3.98	4.17	4.04	3.91	3.69	3.56	3.52
G175.0	4.23	4.22	4.16	4.12	4.11	4.08	4.06
G177.5	4.21	4.21	4.20	4.19	4.19	4.19	4.20
G180.0	4.24	4.24	4.24	4.24	4.24	4.24	4.24

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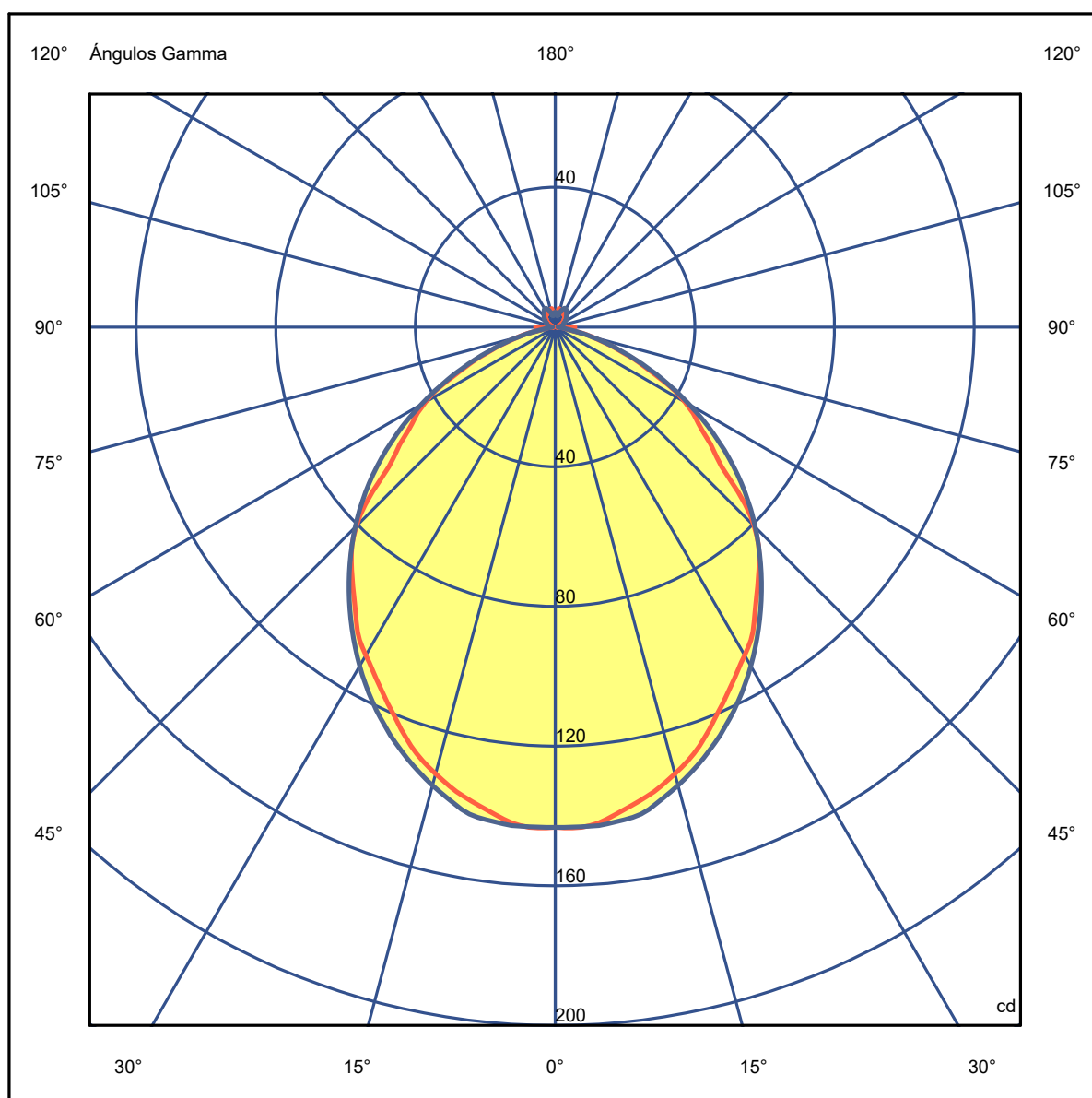
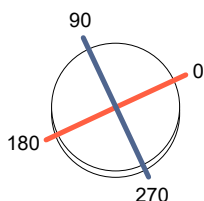
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Diam=170mm

Semiplanos C

180.0 ——— 0.0
270.0 ——— 90.0

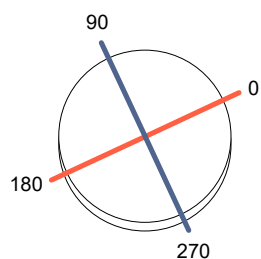


Luminaire

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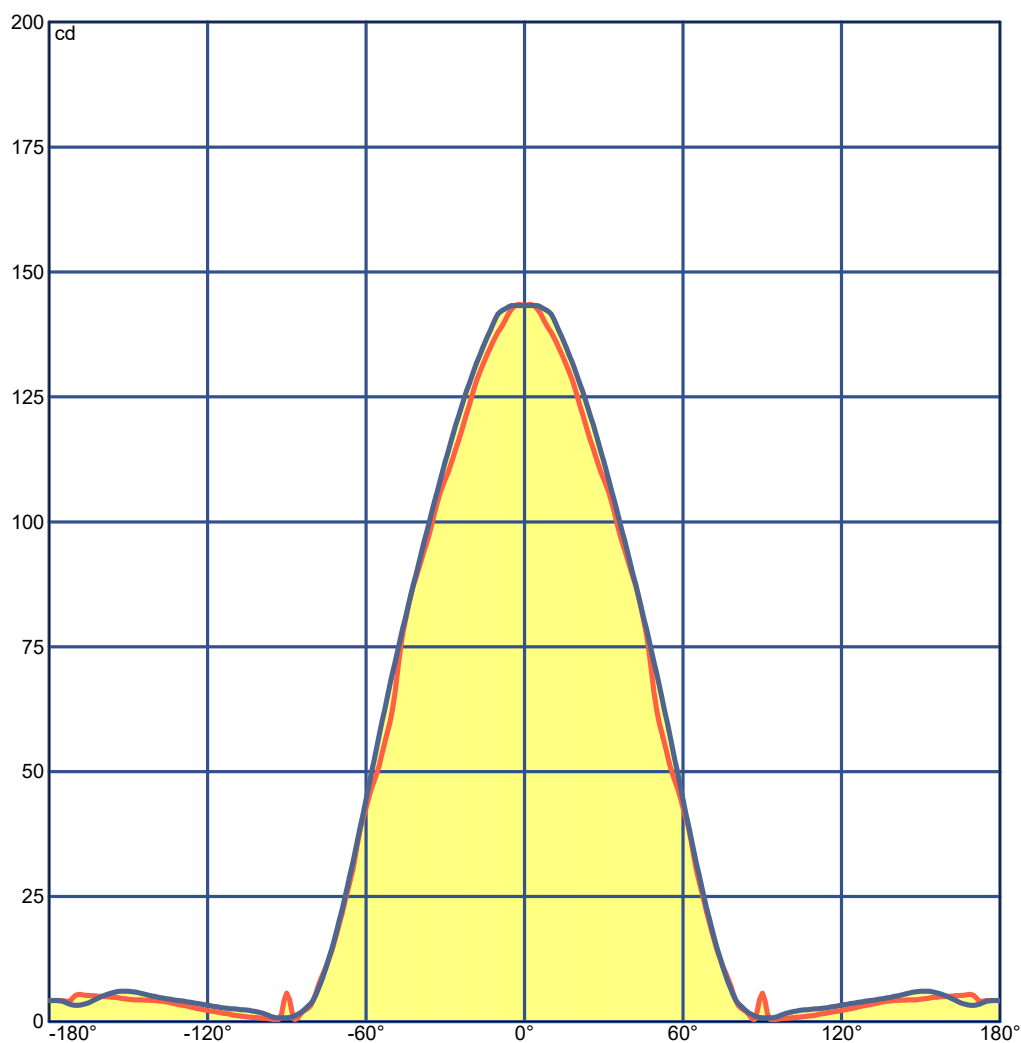
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UGR
S = 0.250

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	17.6	18.8	18.0	19.1	19.4	17.5	18.7	17.9	19.0	19.4
x=2H y=3H	18.5	19.6	18.9	19.9	20.3	18.5	19.5	18.9	19.9	20.2
x=2H y=4H	18.8	19.8	19.2	20.1	20.5	18.7	19.6	19.1	20.0	20.4
x=2H y=6H	18.9	19.7	19.3	20.2	20.6	18.7	19.6	19.2	20.0	20.4
x=2H y=8H	18.8	19.7	19.3	20.1	20.6	18.7	19.6	19.2	20.0	20.4
x=2H y=12H	18.8	19.6	19.3	20.1	20.5	18.7	19.5	19.2	19.9	20.4
x=4H y=2H	18.1	19.1	18.6	19.5	19.9	18.1	19.0	18.5	19.4	19.8
x=4H y=3H	19.2	20.0	19.7	20.4	20.9	19.1	19.9	19.6	20.3	20.8
x=4H y=4H	19.5	20.3	20.0	20.7	21.2	19.4	20.1	19.9	20.6	21.1
x=4H y=6H	19.7	20.3	20.2	20.8	21.3	19.5	20.1	20.0	20.6	21.1
x=4H y=8H	19.7	20.3	20.2	20.7	21.3	19.5	20.1	20.0	20.6	21.1
x=4H y=12H	19.7	20.2	20.2	20.7	21.3	19.5	20.0	20.0	20.5	21.1
x=8H y=4H	19.6	20.2	20.1	20.7	21.2	19.5	20.1	20.0	20.6	21.1
x=8H y=6H	19.8	20.3	20.4	20.8	21.4	19.7	20.1	20.2	20.6	21.2
x=8H y=8H	19.9	20.3	20.5	20.8	21.4	19.7	20.1	20.3	20.6	21.2
x=8H y=12H	19.9	20.3	20.5	20.8	21.5	19.7	20.0	20.3	20.6	21.2
x=12H y=4H	19.7	20.2	20.3	20.7	21.3	19.6	20.1	20.2	20.7	21.2
x=12H y=6H	19.9	20.3	20.5	20.9	21.5	19.8	20.2	20.4	20.7	21.3
x=12H y=8H	20.0	20.3	20.6	20.9	21.5	19.8	20.2	20.4	20.7	21.4

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Flujo Total=348.91 Flujo Luminaria=348.91

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	0.35	0.44	0.52	0.59	0.64	0.73	0.78	0.82	0.86	0.89	0.94	0.97
RC	4	4	4	4	4	4	3	3	3	3	3	3

Flujo Zonal por 1000 Lúmenes

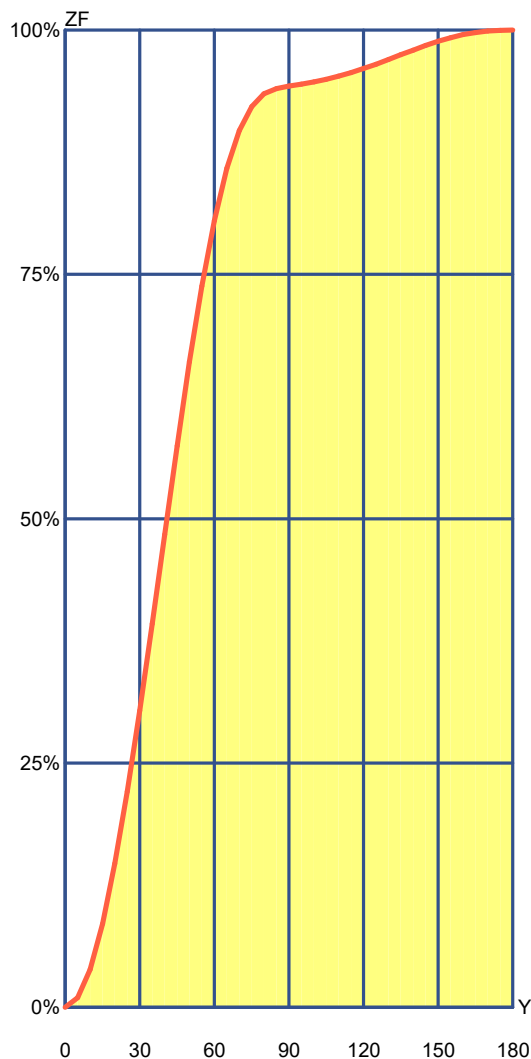
Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	39	147	304	484	660	805	897	935	943	947	953	961	970	980	988	995	999	1000

Códigos de Flujo C.I.E.

54 85 98 94 100

C.I.E. 4/4/4/4/4/4/3/3/3/3/3
D DIN 5040 A41
F UTE 0.94 D + 0.06 T
B NBN BZ 4 / 1.25 / BZ 3
RN 5.72444 %
BLF 1.0

LOR 100.00000 %
ULOR 5.72444 %
DLOR 94.27556 %
UFF 5.72444 %
DFF 94.27556 %
FFR 6.07203 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00 %	0.00 %
5°	9.81	9.81	0.98 %	0.98 %
10°	28.98	38.79	2.90 %	3.88 %
15°	46.53	85.32	4.65 %	8.53 %
20°	61.68	147.00	6.17 %	14.70 %
25°	73.82	220.82	7.38 %	22.08 %
30°	82.81	303.63	8.28 %	30.36 %
35°	88.81	392.43	8.88 %	39.24 %
40°	91.35	483.78	9.13 %	48.38 %
45°	90.69	574.47	9.07 %	57.45 %
50°	85.80	660.27	8.58 %	66.03 %
55°	77.60	737.87	7.76 %	73.79 %
60°	67.07	804.93	6.71 %	80.49 %
65°	53.64	858.57	5.36 %	85.86 %
70°	38.63	897.20	3.86 %	89.72 %
75°	24.55	921.75	2.45 %	92.18 %
80°	12.93	934.68	1.29 %	93.47 %
85°	5.51	940.18	0.55 %	94.02 %
90°	2.57	942.76	0.26 %	94.28 %
95°	1.90	944.65	0.19 %	94.47 %
100°	2.23	946.88	0.22 %	94.69 %
105°	2.81	949.69	0.28 %	94.97 %
110°	3.23	952.92	0.32 %	95.29 %
115°	3.65	956.57	0.36 %	95.66 %
120°	4.09	960.66	0.41 %	96.07 %
125°	4.46	965.13	0.45 %	96.51 %
130°	4.72	969.85	0.47 %	96.98 %
135°	4.84	974.69	0.48 %	97.47 %
140°	4.83	979.51	0.48 %	97.95 %
145°	4.66	984.17	0.47 %	98.42 %
150°	4.32	988.48	0.43 %	98.85 %
155°	3.78	992.26	0.38 %	99.23 %
160°	3.04	995.31	0.30 %	99.53 %
165°	2.19	997.49	0.22 %	99.75 %
170°	1.42	998.91	0.14 %	99.89 %
175°	0.80	999.71	0.08 %	99.97 %
180°	0.29	1000.00	0.03 %	100.00 %

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Isolux (Floor)

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

