

Luminaire

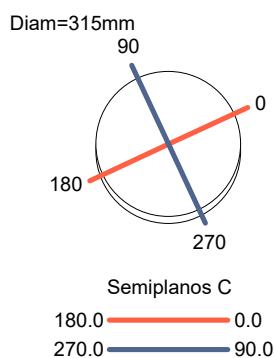
Code 33102214013
Name MARIETTA_S-32

Measurem.

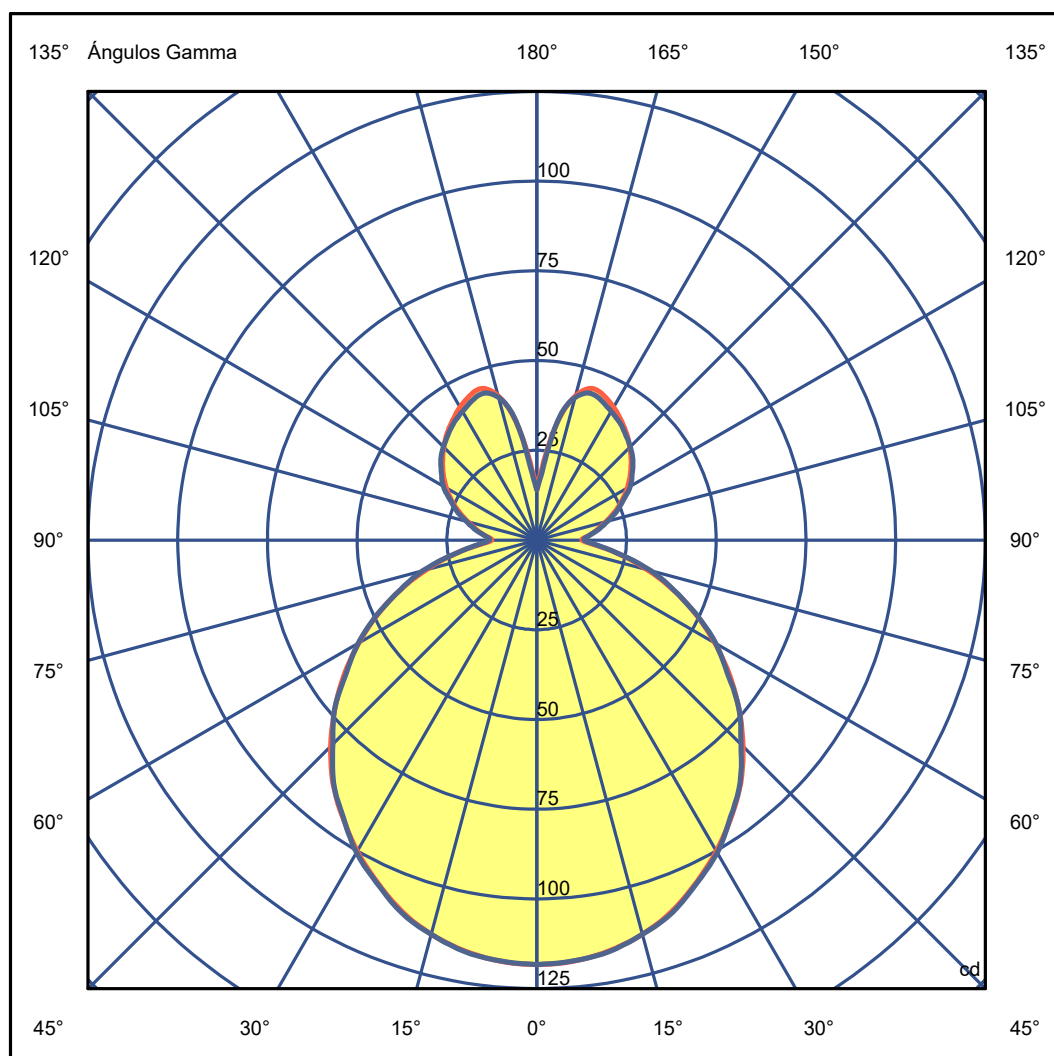
Code CL092A17F002GE1
Name MARIETTA_S-32

Luminaire Flux	554.11 lm	Luminaire Power	7.58 W	Efficacy	73.10 lm/W	Efficiency	100.00%
Sources Flux	554.11 lm	Maximum value	118.24 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical
Round Luminaire		Diam.	315 mm	Height	156 mm		
Round Luminous Area		Diam.	315 mm	Height	70 mm		
Horizontal Luminous Area		0.077931 m2		Emitting area on Plane 180°		0.022050 m2	
Emitting area on Plane 0°		0.022050 m2		Emitting area on Plane 270°		0.022050 m2	
Emitting area on Plane 90°		0.022050 m2		Glare area at 76°		0.040248 m2	
Coordinate system		CG		Symmetry Type		Double Symmetrical	
Date		17-06-2022		Maximum Gamma Angle		180	
Measurement Distance		6.44		Measurement Flux		554.11 lm	
Operator		Asselum T2		Rated Voltage		230.40 V	
Temperature		25.00 °C		Rated Current		0.03 A	
Humidity		46.00 %		Photocell		Prc	
Notes							

Line		Code LED	Luminaire Sources		Flux [lm]	Pow. [W]	Q.ty
			Name LED		554.11	7.58	1
C.I.E.	43 73 91 67 100		D DIN 5040	B31			
F UTE	0.67 G + 0.33 T		B NBN	BZ 5			



ULOR 32.51 %
DLOR 67.49 %
RN 32.51 %



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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	118.24	118.24	118.24	118.24	118.24	118.24	118.24
G 5.0	117.74	117.68	117.77	117.67	117.57	117.66	117.68
G 10.0	116.17	116.20	116.23	116.15	116.19	116.13	116.35
G 15.0	113.67	113.82	113.73	113.60	113.48	113.57	113.70
G 20.0	110.03	110.01	110.14	110.08	110.09	109.97	110.42
G 25.0	105.19	105.58	105.47	105.45	105.26	105.34	105.44
G 30.0	100.04	99.96	100.30	100.17	100.39	100.17	100.52
G 35.0	94.30	94.72	94.41	94.46	94.25	94.28	94.13
G 40.0	88.33	87.62	87.84	87.71	88.01	87.98	88.10
G 45.0	81.19	81.04	80.74	80.63	80.64	81.00	80.41
G 50.0	73.53	73.31	73.14	73.10	73.37	73.54	73.56
G 55.0	65.52	65.54	65.16	65.46	65.31	65.65	64.93
G 60.0	57.28	57.42	57.01	57.26	57.33	57.50	57.51
G 65.0	48.88	48.99	48.89	48.95	48.93	49.13	49.08
G 70.0	40.41	40.38	40.77	40.53	40.54	40.77	40.58
G 75.0	31.97	32.04	32.37	32.25	32.37	32.23	32.91
G 80.0	23.94	24.16	24.45	24.16	24.13	24.08	24.14
G 85.0	16.68	16.78	17.25	17.33	17.26	16.97	17.31
G 90.0	12.57	12.61	13.57	12.70	13.55	12.44	13.23
G 95.0	14.52	14.58	14.78	14.82	14.85	14.62	14.55
G100.0	17.08	17.00	17.52	17.47	17.63	17.41	17.55
G105.0	19.96	20.15	20.47	20.45	20.41	20.20	20.35
G110.0	23.12	23.07	23.55	23.58	23.70	23.47	23.76
G115.0	26.17	26.27	26.60	26.54	26.68	26.59	26.69
G120.0	29.10	29.04	29.51	29.55	29.76	29.54	30.05
G125.0	31.80	31.80	32.14	32.22	32.43	32.37	32.44
G130.0	34.30	34.18	34.52	34.56	34.81	34.74	34.94
G135.0	36.63	36.41	36.60	36.64	36.86	36.70	36.82
G140.0	38.86	38.56	38.52	38.40	38.51	38.47	38.45
G145.0	40.84	40.45	40.27	40.02	40.13	39.99	40.13
G150.0	42.77	42.32	41.90	41.46	41.43	41.32	41.40
G155.0	44.34	43.77	43.28	42.77	42.67	42.55	42.81
G160.0	44.98	44.43	43.88	43.41	43.31	43.34	43.54
G165.0	41.66	41.81	41.29	41.28	41.26	41.31	41.18
G170.0	33.57	33.17	33.35	33.89	33.91	33.91	33.88
G175.0	21.87	23.68	20.88	23.20	20.94	23.58	20.43
G180.0	14.05	14.05	14.05	14.05	14.05	14.05	14.05

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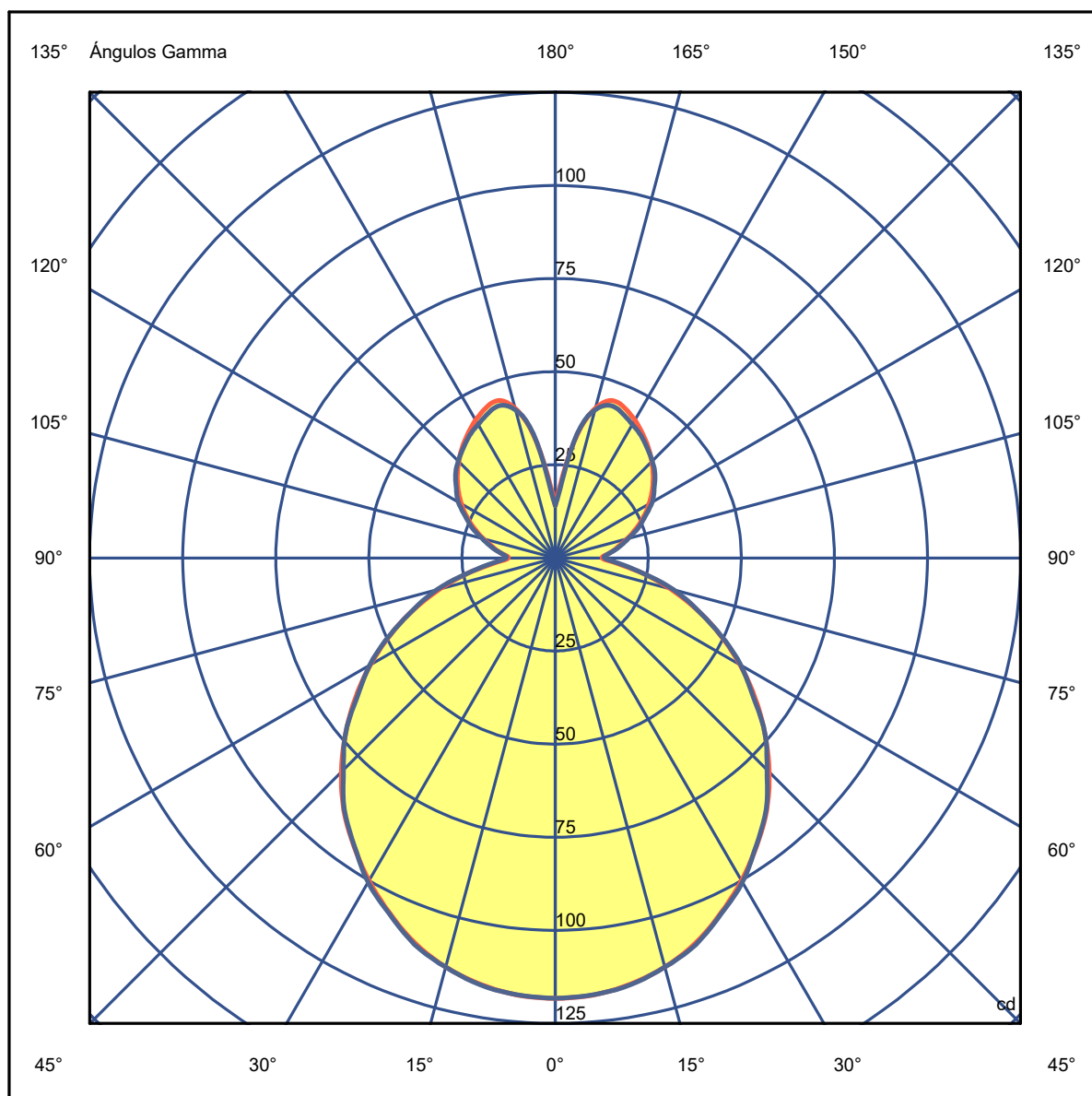
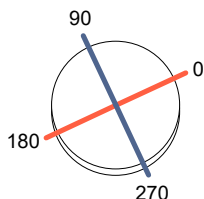
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Sources Flux	554.11 lm	Maximum value	118.24 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=315mm

Semiplanos C

180.0 ——— 0.0
270.0 ——— 90.0



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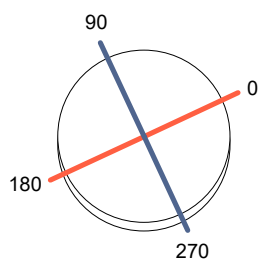
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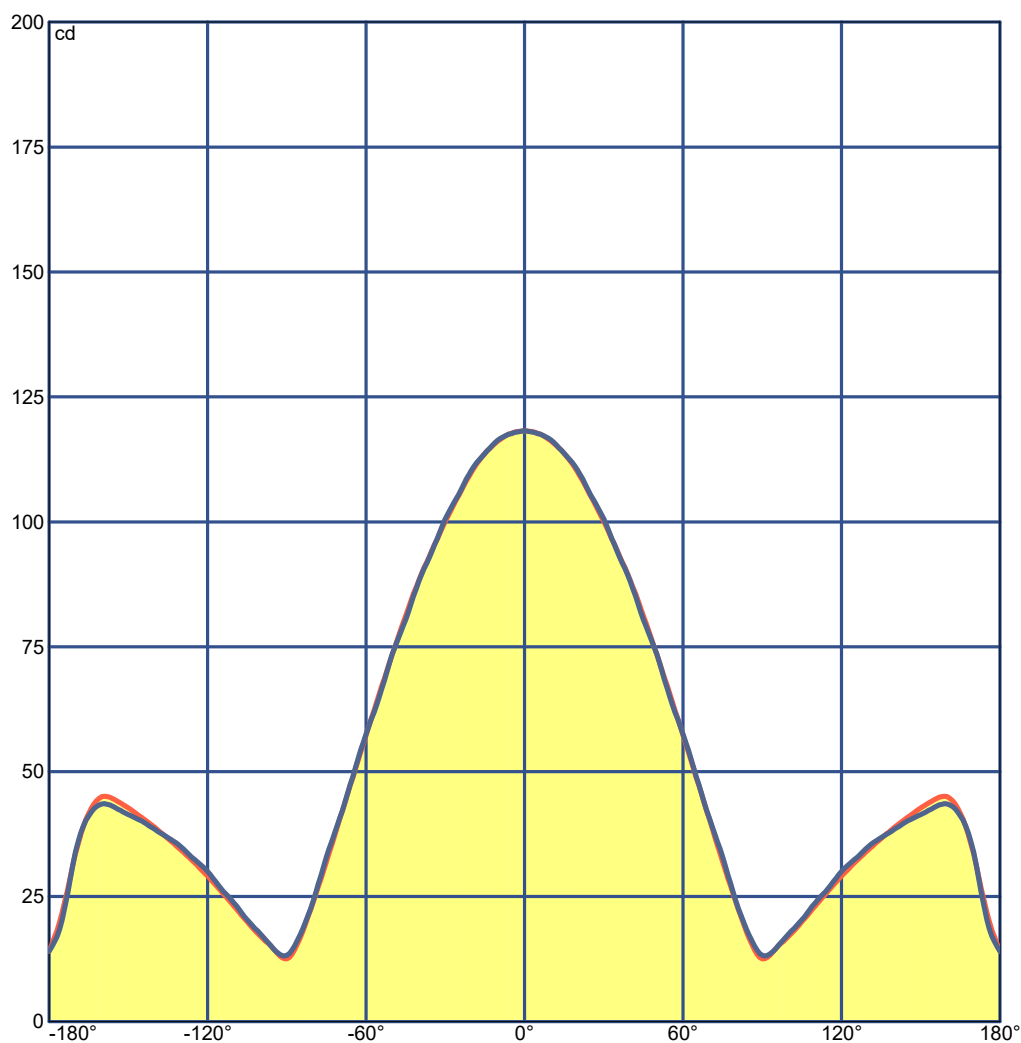
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Sources Flux	554.11 lm	Maximum value	118.24 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

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	10.7	11.7	11.4	12.4	13.2	10.7	11.7	11.4	12.4	13.2
x=2H y=3H	12.2	13.1	13.0	13.8	14.7	12.2	13.1	13.0	13.9	14.8
x=2H y=4H	12.9	13.7	13.6	14.5	15.4	12.9	13.8	13.7	14.5	15.4
x=2H y=6H	13.4	14.2	14.2	15.0	15.9	13.5	14.2	14.2	15.0	15.9
x=2H y=8H	13.7	14.4	14.4	15.2	16.1	13.7	14.4	14.5	15.2	16.2
x=2H y=12H	13.8	14.5	14.6	15.3	16.3	13.9	14.6	14.7	15.4	16.3
x=4H y=2H	11.2	12.1	12.0	12.8	13.7	11.2	12.1	12.0	12.8	13.8
x=4H y=3H	13.0	13.7	13.8	14.5	15.4	13.0	13.7	13.8	14.5	15.5
x=4H y=4H	13.8	14.4	14.6	15.2	16.2	13.8	14.4	14.6	15.3	16.2
x=4H y=6H	14.5	15.0	15.3	15.8	16.9	14.5	15.0	15.3	15.9	16.9
x=4H y=8H	14.8	15.3	15.6	16.1	17.1	14.8	15.3	15.6	16.1	17.2
x=4H y=12H	15.0	15.4	15.8	16.3	17.3	15.0	15.5	15.9	16.3	17.4
x=8H y=4H	14.1	14.6	14.9	15.4	16.4	14.1	14.6	14.9	15.4	16.5
x=8H y=6H	14.9	15.3	15.8	16.2	17.3	14.9	15.3	15.8	16.2	17.3
x=8H y=8H	15.3	15.7	16.2	16.5	17.6	15.3	15.7	16.2	16.6	17.6
x=8H y=12H	15.7	16.0	16.5	16.9	18.0	15.7	16.0	16.6	16.9	18.0
x=12H y=4H	14.6	15.0	15.4	15.9	16.9	14.6	15.0	15.4	15.9	16.9
x=12H y=6H	15.4	15.7	16.2	16.6	17.7	15.4	15.7	16.3	16.6	17.7
x=12H y=8H	15.7	16.1	16.6	17.0	18.1	15.8	16.1	16.7	17.0	18.1

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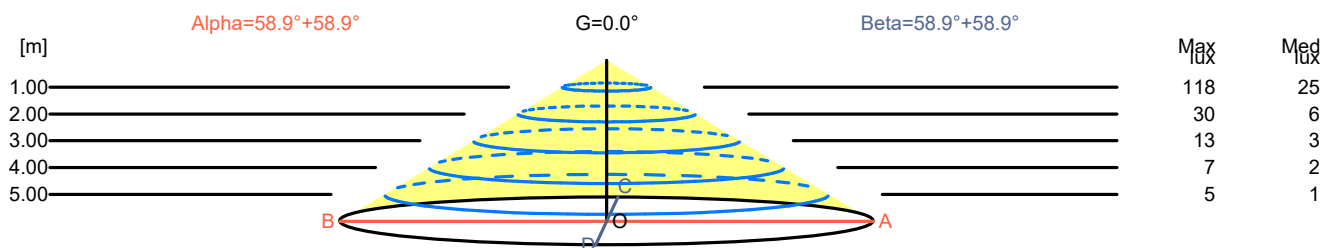
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Sources Flux	554.11 lm	Maximum value	118.24 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Width at 50.00 % of Max Intensity

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	1.66	3.31	4.97	6.63	8.29	OC	1.66	3.32	4.98	6.63	8.29
OB	1.66	3.31	4.97	6.63	8.29	OD	1.66	3.32	4.98	6.63	8.29

Luminous Intensities [cd]

	0	5	15	25	35	45	55	65	75	85
OA	118.24	117.74	113.67	105.19	94.30	81.19	65.52	48.88	31.97	16.68
OB	118.24	117.74	113.67	105.19	94.30	81.19	65.52	48.88	31.97	16.68
OC	118.24	117.68	113.70	105.44	94.13	80.41	64.93	49.08	32.91	17.31
OD	118.24	117.68	113.70	105.44	94.13	80.41	64.93	49.08	32.91	17.31



H[m]	D[m]	Max lux	Med lux	Alpha=58.9°+58.9°	G=0.0
1.00	3.31	118	25		
2.00	6.63	30	6		
3.00	9.94	13	3		
4.00	13.26	7	2		
5.00	16.57	5	1		

H[m]	D[m]	Max lux	Med lux	Beta=58.9°+58.9°	G=0.0
1.00	3.32	118	25		
2.00	6.63	30	6		
3.00	9.95	13	3		
4.00	13.27	7	2		
5.00	16.59	5	1		

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Flujo Total=554.11 Flujo Luminaria=554.11

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	0.28	0.36	0.42	0.49	0.55	0.63	0.69	0.73	0.79	0.82	0.90	0.95
RC	6	6	6	6	6	6	6	6	6	6	6	6

Flujo Zonal por 1000 Lúmenes

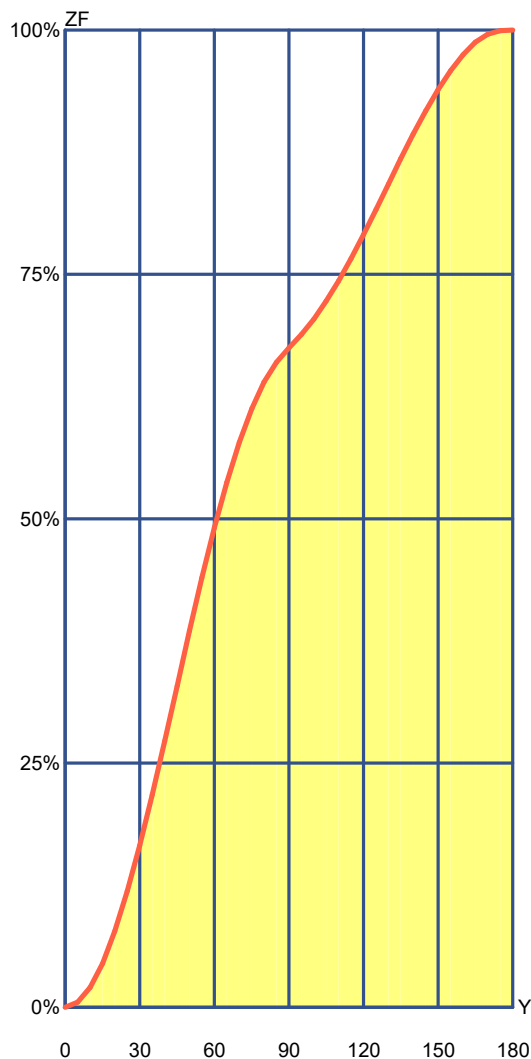
Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	20	78	166	272	385	491	578	640	675	704	743	791	842	894	939	975	996	1000

Códigos de Flujo C.I.E.

43 73 91 67 100

C.I.E. 6
D DIN 5040 B31
F UTE 0.67 G + 0.33 T
B NBN BZ 5
RN 32.50969 %
BLF 1.0

LOR 100.00000 %
ULOR 32.50969 %
DLOR 67.49031 %
UFF 32.50969 %
DFF 67.49031 %
FFR 48.16943 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00 %	0.00 %
5°	5.09	5.09	0.51 %	0.51 %
10°	15.10	20.19	1.51 %	2.02 %
15°	24.61	44.79	2.46 %	4.48 %
20°	33.28	78.07	3.33 %	7.81 %
25°	40.79	118.86	4.08 %	11.89 %
30°	46.96	165.82	4.70 %	16.58 %
35°	51.72	217.53	5.17 %	21.75 %
40°	54.89	272.42	5.49 %	27.24 %
45°	56.37	328.79	5.64 %	32.88 %
50°	56.21	385.00	5.62 %	38.50 %
55°	54.44	439.44	5.44 %	43.94 %
60°	51.19	490.63	5.12 %	49.06 %
65°	46.63	537.26	4.66 %	53.73 %
70°	40.92	578.18	4.09 %	57.82 %
75°	34.37	612.55	3.44 %	61.26 %
80°	27.26	639.81	2.73 %	63.98 %
85°	20.24	660.05	2.02 %	66.00 %
90°	14.85	674.90	1.49 %	67.49 %
95°	13.67	688.57	1.37 %	68.86 %
100°	15.73	704.30	1.57 %	70.43 %
105°	18.20	722.51	1.82 %	72.25 %
110°	20.65	743.16	2.06 %	74.32 %
115°	22.84	766.00	2.28 %	76.60 %
120°	24.58	790.57	2.46 %	79.06 %
125°	25.73	816.30	2.57 %	81.63 %
130°	26.19	842.49	2.62 %	84.25 %
135°	25.97	868.47	2.60 %	86.85 %
140°	25.12	893.59	2.51 %	89.36 %
145°	23.71	917.30	2.37 %	91.73 %
150°	21.79	939.08	2.18 %	93.91 %
155°	19.38	958.46	1.94 %	95.85 %
160°	16.44	974.91	1.64 %	97.49 %
165°	12.67	987.57	1.27 %	98.76 %
170°	8.03	995.61	0.80 %	99.56 %
175°	3.61	999.22	0.36 %	99.92 %
180°	0.78	1000.00	0.08 %	100.00 %

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Isolux (Floor)

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

