

Luminaire

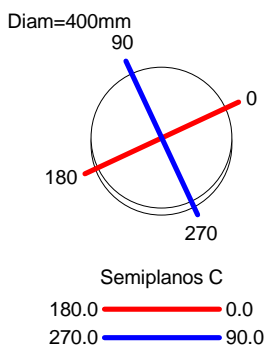
Code 115510/10
Name Top Ø40 blanca

Measur.

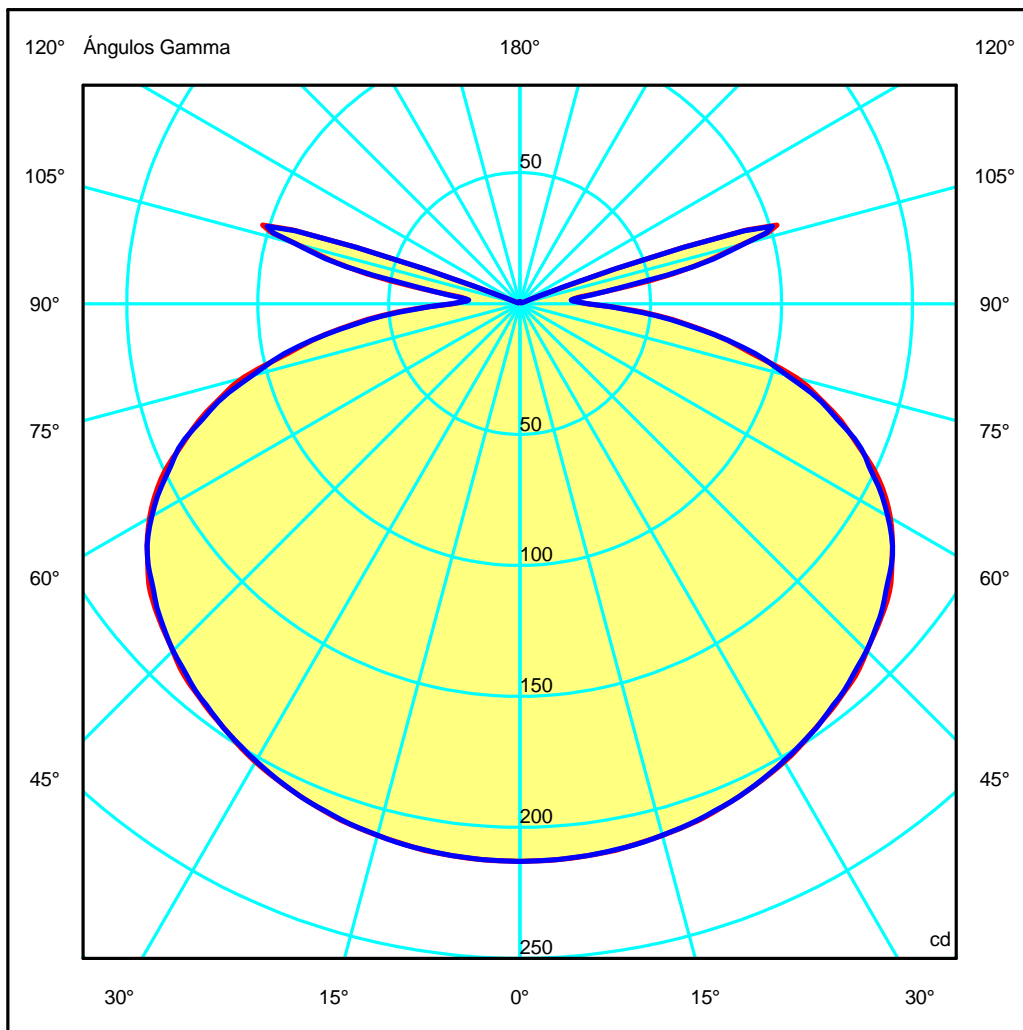
Code CL252A20F025G
Name Top Ø40 blanca

Luminaire Flux	1031.82 lm	Luminaire Power	21.31 W	Efficacy	48.42 lm/W	Efficiency	100.00%
Sources Flux	1031.82 lm	Maximum value	212.93 cd	Position	C=0.00 G=0.00	CG Double Symmetrical	
Round Luminaire		Diam.	400 mm	Height	100 mm		
Round Luminous Area		Diam.	130 mm	Height	0 mm		
Horizontal Luminous Area		0.013273 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°		0.003211 m2	
Coordinate system		CG		Symmetry Type		Double Symmetrical	
Date		28-09-2020		Maximum Gamma Angle		180	
Measurement Distance		6.44		Measurement Flux		1031.82 lm	
Operator		ASSELUM		Rated Voltage		230.18 V	
Temperature		24.80 °C		Rated Current		0.09 A	
Humidity		31.30 %		Photocell		Prc	
Notes		RM2090801.2					

Line		Code	Luminaire Lamps		Flux [lm]	Pow. [W]	Q.ty
		LED	Name		1031.82	21.31	1
			LED				
C.I.E.	35 65 89 89 100		D DIN 5040		B21		
F UTE	0.89 H + 0.11 T		B NBN		BZ 6		



ULOR 11.44 %
DLOR 88.56 %
RN 11.44 %



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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	213	213	213	213	213	213	213
G 2.5	213	213	213	213	213	213	213
G 5.0	213	213	213	213	213	213	213
G 7.5	212	212	212	212	212	212	212
G 10.0	212	212	212	212	212	212	212
G 12.5	211	211	211	211	211	211	211
G 15.0	210	210	210	210	210	210	210
G 17.5	209	209	209	209	209	209	209
G 20.0	208	208	208	208	208	208	208
G 22.5	207	207	207	207	207	207	207
G 25.0	205	205	205	205	205	205	205
G 27.5	204	204	204	204	204	204	204
G 30.0	202	202	202	202	202	202	202
G 32.5	200	200	199	200	200	200	200
G 35.0	197	197	197	197	198	198	198
G 37.5	195	195	195	195	195	195	195
G 40.0	193	193	193	193	193	193	193
G 42.5	191	190	190	190	190	190	190
G 45.0	187	187	187	187	187	187	187
G 47.5	185	184	184	184	184	184	184
G 50.0	182	181	181	181	181	181	181
G 52.5	178	178	178	177	177	177	177
G 55.0	173	173	173	173	173	173	173
G 57.5	169	168	168	168	168	169	169
G 60.0	163	163	162	163	162	162	162
G 62.5	157	156	155	155	155	155	155
G 65.0	149	148	148	148	148	148	147
G 67.5	139	139	140	140	140	140	140
G 70.0	130	130	131	131	130	129	129
G 72.5	120	119	119	119	119	119	119
G 75.0	109	109	108	108	107	106	106
G 77.5	93	93	94	95	95	95	94
G 80.0	81	80	80	81	81	81	81
G 82.5	67	66	66	67	66	66	66
G 85.0	53	52	52	52	52	52	52
G 87.5	38	37	37	38	38	37	37
G 90.0	26	26	27	27	27	26	26
G 92.5	21	21	22	22	21	21	21
G 95.0	21	21	22	22	22	21	21
G 97.5	29	31	32	32	31	30	30
G100.0	51	51	51	49	48	47	47
G102.5	71	71	70	69	70	72	72
G105.0	89	90	89	89	89	89	89
G107.5	99	93	87	85	88	94	98
G110.0	38	40	45	47	45	41	39
G112.5	2	4	6	7	5	3	1
G115.0	1	1	1	1	1	1	1
G117.5	1	1	1	1	1	1	1
G120.0	1	1	1	1	1	1	1
G122.5	1	1	1	1	1	1	1
G125.0	1	1	1	1	1	1	1
G127.5	1	1	1	1	1	1	1
G130.0	1	1	1	1	1	1	1
G132.5	1	1	1	1	1	1	1
G135.0	1	1	1	1	1	1	1
G137.5	1	1	1	1	1	1	1
G140.0	1	1	1	1	1	1	1
G142.5	1	1	1	1	1	1	1
G145.0	1	1	1	1	1	1	1
G147.5	1	1	1	1	1	1	1
G150.0	1	1	1	1	1	1	1
G152.5	1	1	1	1	1	1	1
G155.0	1	1	1	1	1	1	1
G157.5	1	1	1	1	1	1	1
G160.0	1	1	1	1	1	1	1
G162.5	1	1	1	1	1	1	1
G165.0	1	1	1	1	1	1	1
G167.5	1	1	1	1	1	1	1
G170.0	1	1	1	1	1	1	1
G172.5	1	1	1	1	1	1	1
G175.0	1	1	1	1	1	1	1
G177.5	1	1	1	1	1	1	1
G180.0	1	1	1	1	1	1	1

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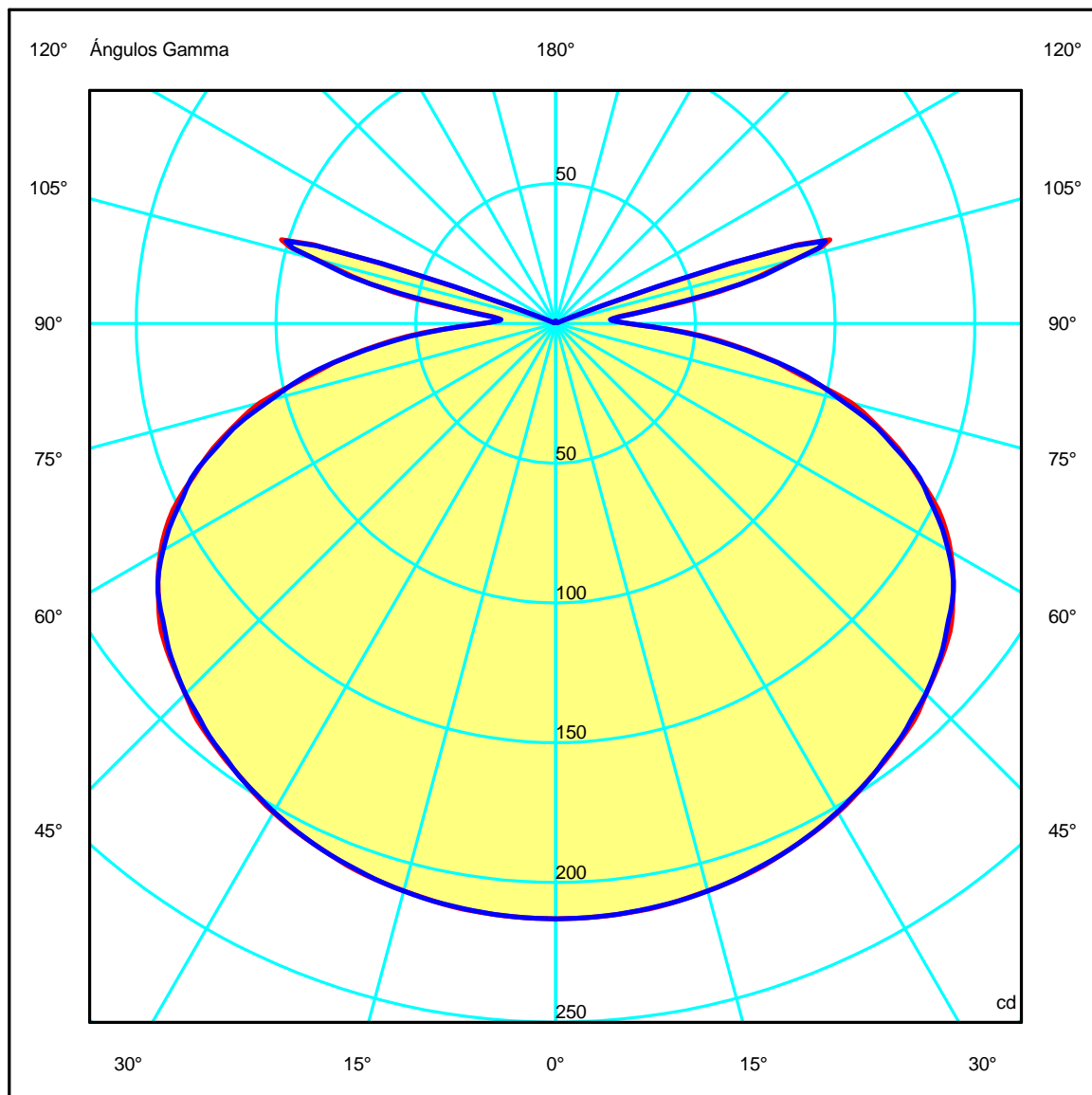
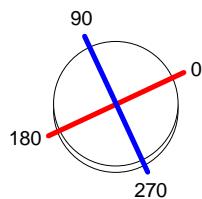
Luminaire Flux	1031.82 lm	Luminaire Power	21.31 W	Efficacy	48.42 lm/W	Efficiency	100.00%
Sources Flux	1031.82 lm	Maximum value	212.93 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=400mm

Semiplanos C

180.0 ————— 0.0

270.0 ————— 90.0



Luminaire

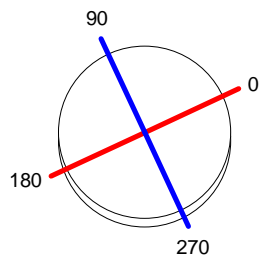
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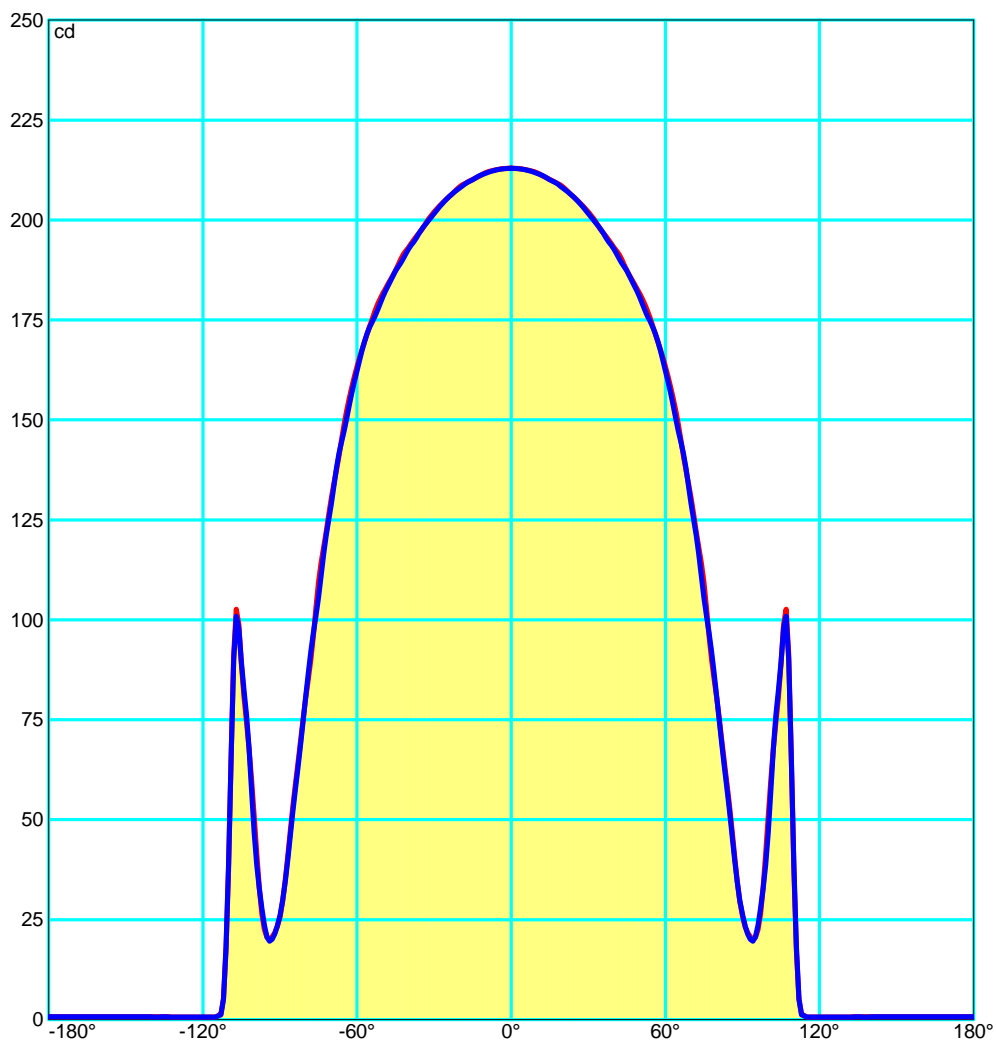
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Sources Flux	1031.82 lm	Maximum value	212.93 cd	Position	C=0.00 G=0.00	CG Double Symmetrical	

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
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	23.0	24.3	23.4	24.7	25.2	22.9	24.3	23.4	24.7	25.2
x=2H y=3H	25.5	26.7	26.0	27.2	27.7	25.5	26.7	26.0	27.2	27.7
x=2H y=4H	26.7	27.8	27.2	28.3	28.9	26.6	27.8	27.1	28.3	28.8
x=2H y=6H	27.7	28.8	28.3	29.3	29.9	27.7	28.8	28.2	29.3	29.9
x=2H y=8H	28.2	29.3	28.8	29.8	30.4	28.2	29.2	28.7	29.8	30.3
x=2H y=12H	28.7	29.7	29.2	30.2	30.8	28.7	29.7	29.2	30.2	30.8
x=4H y=2H	24.0	25.1	24.5	25.6	26.2	24.0	25.1	24.5	25.6	26.1
x=4H y=3H	26.6	27.6	27.2	28.2	28.8	26.6	27.6	27.2	28.1	28.7
x=4H y=4H	28.0	28.9	28.5	29.4	30.0	27.9	28.8	28.5	29.4	30.0
x=4H y=6H	29.2	30.0	29.8	30.5	31.2	29.2	29.9	29.7	30.5	31.2
x=4H y=8H	29.7	30.5	30.3	31.1	31.7	29.7	30.4	30.3	31.0	31.7
x=4H y=12H	30.3	30.9	30.9	31.6	32.2	30.3	30.9	30.9	31.5	32.2
x=8H y=4H	28.6	29.3	29.2	29.9	30.5	28.5	29.2	29.1	29.8	30.5
x=8H y=6H	29.9	30.6	30.6	31.2	31.9	29.9	30.6	30.6	31.2	31.9
x=8H y=8H	30.7	31.2	31.3	31.8	32.5	30.6	31.2	31.3	31.8	32.5
x=8H y=12H	31.4	31.8	32.0	32.5	33.2	31.3	31.8	32.0	32.4	33.2
x=12H y=4H	28.6	29.3	29.3	29.9	30.6	28.6	29.3	29.2	29.9	30.6
x=12H y=6H	30.1	30.7	30.8	31.3	32.0	30.1	30.7	30.8	31.3	32.0
x=12H y=8H	30.9	31.4	31.6	32.0	32.8	30.9	31.4	31.6	32.0	32.8

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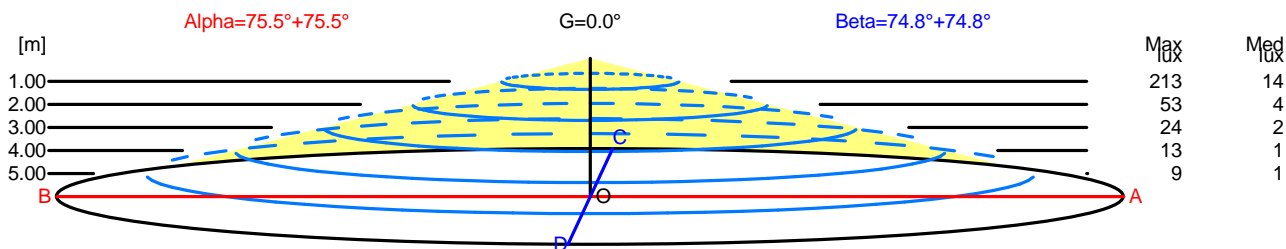
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Sources Flux	1031.82 lm	Maximum value	212.93 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

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	3.86	7.71	11.57	15.42	19.28	OC	3.69	7.38	11.07	14.76	18.45
OB	3.86	7.71	11.57	15.42	19.28	OD	3.69	7.38	11.07	14.76	18.45

Luminous Intensities [cd]

	0	5	15	25	35	45	55	65	75	85
OA	212.93	212.66	210.18	205.34	197.45	187.40	173.45	148.92	109.42	53.45
OB	212.93	212.66	210.18	205.34	197.45	187.40	173.45	148.92	109.42	53.45
OC	212.93	212.60	210.11	205.27	197.54	187.30	173.26	147.21	105.62	52.17
OD	212.93	212.60	210.11	205.27	197.54	187.30	173.26	147.21	105.62	52.17



H[m]	D[m]	Max lux	Med lux	Alpha=75.5°+75.5°	G=0.0	
1.00	7.71	213	14			
2.00	15.42	53	4			
3.00	23.13	24	2			
4.00	30.84	13	1			
5.00	38.55	9	1			

H[m]	D[m]	Max lux	Med lux	Beta=74.8°+74.8°	G=0.0	
1.00	7.38	213	14			
2.00	14.76	53	4			
3.00	22.15	24	2			
4.00	29.53	13	1			
5.00	36.91	9	1			

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Flujo Total=1031.82 Flujo Luminaria=1031.82

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	0.30	0.36	0.43	0.49	0.58	0.64	0.69	0.75	0.79	0.89	0.94
RC	7	7	7	7	7	7	7	7	7	7	7	7

Flujo Zonal por 1000 Lúmenes

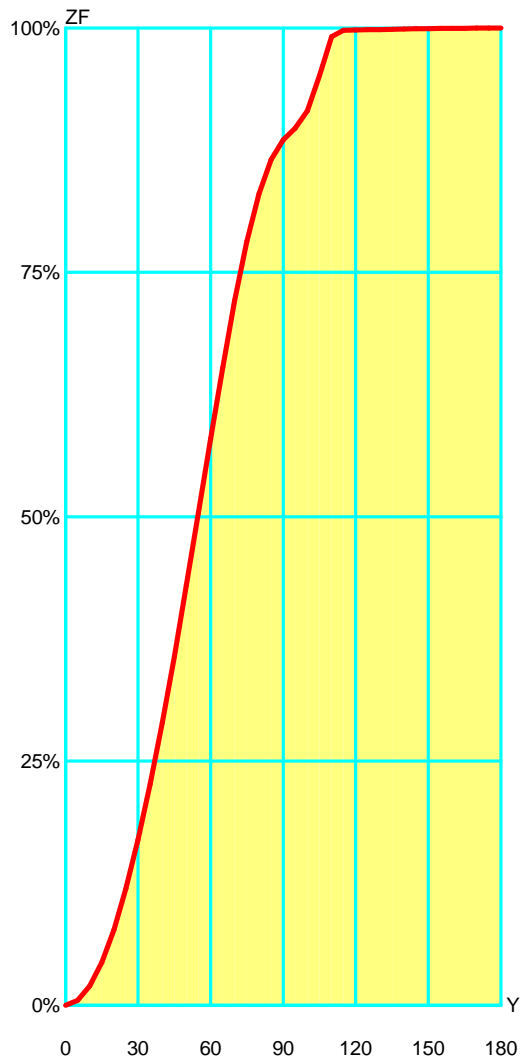
Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	20	77	169	289	430	580	721	830	886	915	991	998	999	999	999	1000	1000	1000

Códigos de Flujo C.I.E.

35 65 89 89 100

C.I.E. 7
D DIN 5040 B21
F UTE 0.89 H + 0.11 T
B NBN BZ 6
RN 11.44001 %
BLF 1.0

LOR 100.00000 %
ULOR 11.44001 %
DLOR 88.55999 %
UFF 11.44001 %
DFF 88.55999 %
FFR 12.91780 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	4.93	4.93	0.49 %	0.49 %
10°	14.71	19.64	1.47 %	1.96 %
15°	24.25	43.89	2.43 %	4.39 %
20°	33.41	77.30	3.34 %	7.73 %
25°	42.02	119.31	4.20 %	11.93 %
30°	49.92	169.23	4.99 %	16.92 %
35°	56.96	226.19	5.70 %	22.62 %
40°	63.10	289.29	6.31 %	28.93 %
45°	68.21	357.50	6.82 %	35.75 %
50°	72.16	429.66	7.22 %	42.97 %
55°	74.71	504.37	7.47 %	50.44 %
60°	75.34	579.72	7.53 %	57.97 %
65°	73.20	652.92	7.32 %	65.29 %
70°	68.37	721.29	6.84 %	72.13 %
75°	60.21	781.50	6.02 %	78.15 %
80°	48.80	830.30	4.88 %	83.03 %
85°	34.94	865.25	3.49 %	86.52 %
90°	20.35	885.60	2.04 %	88.56 %
95°	12.02	897.62	1.20 %	89.76 %
100°	17.49	915.11	1.75 %	91.51 %
105°	36.24	951.35	3.62 %	95.13 %
110°	39.87	991.22	3.99 %	99.12 %
115°	6.47	997.69	0.65 %	99.77 %
120°	0.30	997.99	0.03 %	99.80 %
125°	0.29	998.28	0.03 %	99.83 %
130°	0.27	998.55	0.03 %	99.85 %
135°	0.25	998.80	0.03 %	99.88 %
140°	0.24	999.04	0.02 %	99.90 %
145°	0.22	999.25	0.02 %	99.93 %
150°	0.19	999.44	0.02 %	99.94 %
155°	0.16	999.60	0.02 %	99.96 %
160°	0.14	999.74	0.01 %	99.97 %
165°	0.11	999.85	0.01 %	99.99 %
170°	0.08	999.93	0.01 %	99.99 %
175°	0.05	999.98	0.00 %	100.00 %
180°	0.02	1000.00	0.00 %	100.00 %

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Isolux (Floor)

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

