Luminaire

Code	33805215054
Name	MEDITERRÀNIA S/52 TRIAC BARIUM-WHITE
Line	

Measurem.

Code	CL092A24D003GPE1
Name	MEDITERRÀNIA S/52 TRIAC BARIUM-WHITE

Source Data

Code	Led Cob EDC/47C/10W/927/230V/F201	Correlated Color Temperature (CCT)	2594K	Q.ty	1
Name	LUMENS	Color rendering index (CRI)	90		
Line					

Measurement data

Coordinate system	CG	Symmetry Type	Double Symmetrical
Date	28-05-2024	Maximum Gamma Angle	180°
Measurement Distance	6.49m	Measurement Flux	517.4 lm
Maximum	264.96 cd/klm	Position	C=0.0° G=0.0°
Remarks	RM24052702		

Electrical Parameters

Channel 1		Channel 2	
Voltage	0.00 V	Voltage	0.00 V
Current	0.00 A	Current	0.00 A
Power	10.00 W	Power	0.00 W
Frequency	0 Hz	Frequency	0 Hz
Power Factor	0.00	Power Factor	0.00

Environmental Parameters

Temperature	24.3 °C	Air Speed	0.0 m/s
Humidity	49.2 %		

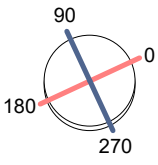
Luminaire Dimensions

Round Luminaire	Diam.	530 mm	Height	100 mm	
Round Luminous Area	Diam.	530 mm	Height	100 mm	
Horizontal Luminous Area	0.220618 m2		Emitting area on Plane 180°		0.053000 m2
Emitting area on Plane 0°	0.053000 m2		Emitting area on Plane 270°		0.053000 m2
Emitting area on Plane 90°	0.053000 m2		Glare area at 76°		0.104798 m2

Photometric Assessment

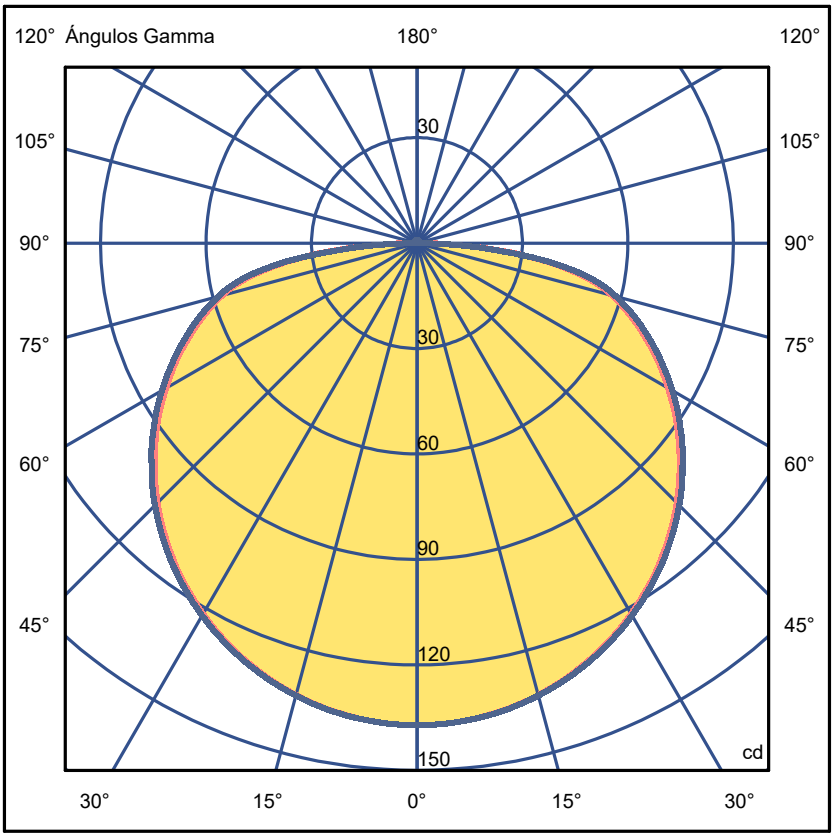
Luminaire Flux	517.4 lm	Source Flux	517.4 lm
Efficacy	51.745 lm/W	Efficiency	100.0 %
CIE Flux Codes	38 67 89 99 100	D DIN 5040	A21
F UTE	0.99 G + 0.01 T	B NBN	BZ 6

Diam=530mm





ULOR 1.15 %
DLOR 98.85 %
RN 1.15 %



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Luminaire Flux	517 lm	Luminaire Power	10.0 W	Efficacy	51.745 lm/W	Efficiency	100.00%
Source Flux	517 lm	Maximum value	137.11 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

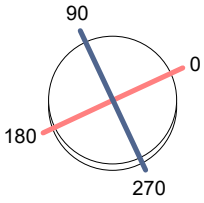
Luminous Intensity Table cd **Table 1/1**

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	137	137	137	137	137	137	137
G 2.5	137	137	137	137	137	137	137
G 5.0	137	137	137	137	137	137	137
G 7.5	136	136	136	136	136	136	136
G 10.0	135	135	135	135	135	135	135
G 12.5	134	134	134	134	134	134	134
G 15.0	133	133	133	133	133	133	133
G 17.5	132	132	132	132	132	132	132
G 20.0	130	130	130	130	130	130	130
G 22.5	128	128	128	128	128	129	129
G 25.0	126	126	126	126	127	127	127
G 27.5	124	124	124	124	124	125	125
G 30.0	122	122	122	122	122	122	122
G 32.5	119	119	119	120	120	120	120
G 35.0	117	117	117	117	117	117	117
G 37.5	114	114	114	114	114	115	115
G 40.0	111	111	111	111	111	112	112
G 42.5	108	108	108	108	108	109	109
G 45.0	104	104	105	105	105	105	105
G 47.5	101	101	101	102	102	102	102
G 50.0	98	98	98	98	98	99	99
G 52.5	94	94	94	95	95	95	95
G 55.0	90	90	91	91	91	91	91
G 57.5	86	87	87	87	87	88	88
G 60.0	82	83	83	83	84	84	84
G 62.5	79	79	79	79	80	80	80
G 65.0	75	75	75	75	76	76	76
G 67.5	70	71	71	71	71	72	72
G 70.0	66	66	67	67	67	68	67
G 72.5	62	62	62	63	63	63	63
G 75.0	57	58	58	59	59	59	59
G 77.5	52	52	53	54	54	53	53
G 80.0	44	45	47	49	48	46	46
G 82.5	35	36	40	44	41	37	35
G 85.0	24	26	32	37	32	26	23
G 87.5	11	15	22	27	22	15	10
G 90.0	3	8	13	17	12	7	2
G 92.5	0	3	6	7	5	2	0
G 95.0	0	0	1	1	2	0	0
G 97.5	0	0	0	0	0	0	0
G100.0	0	0	0	0	0	0	0
G102.5	0	0	0	0	0	0	0
G105.0	0	0	0	0	0	0	0
G107.5	0	0	0	0	0	0	0
G110.0	0	0	0	0	0	0	0
G112.5	0	0	0	0	0	0	0
G115.0	0	0	0	0	0	0	0
G117.5	0	0	0	0	0	0	0
G120.0	0	0	0	0	0	0	0
G122.5	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0
G180.0	0	0	0	0	0	0	0

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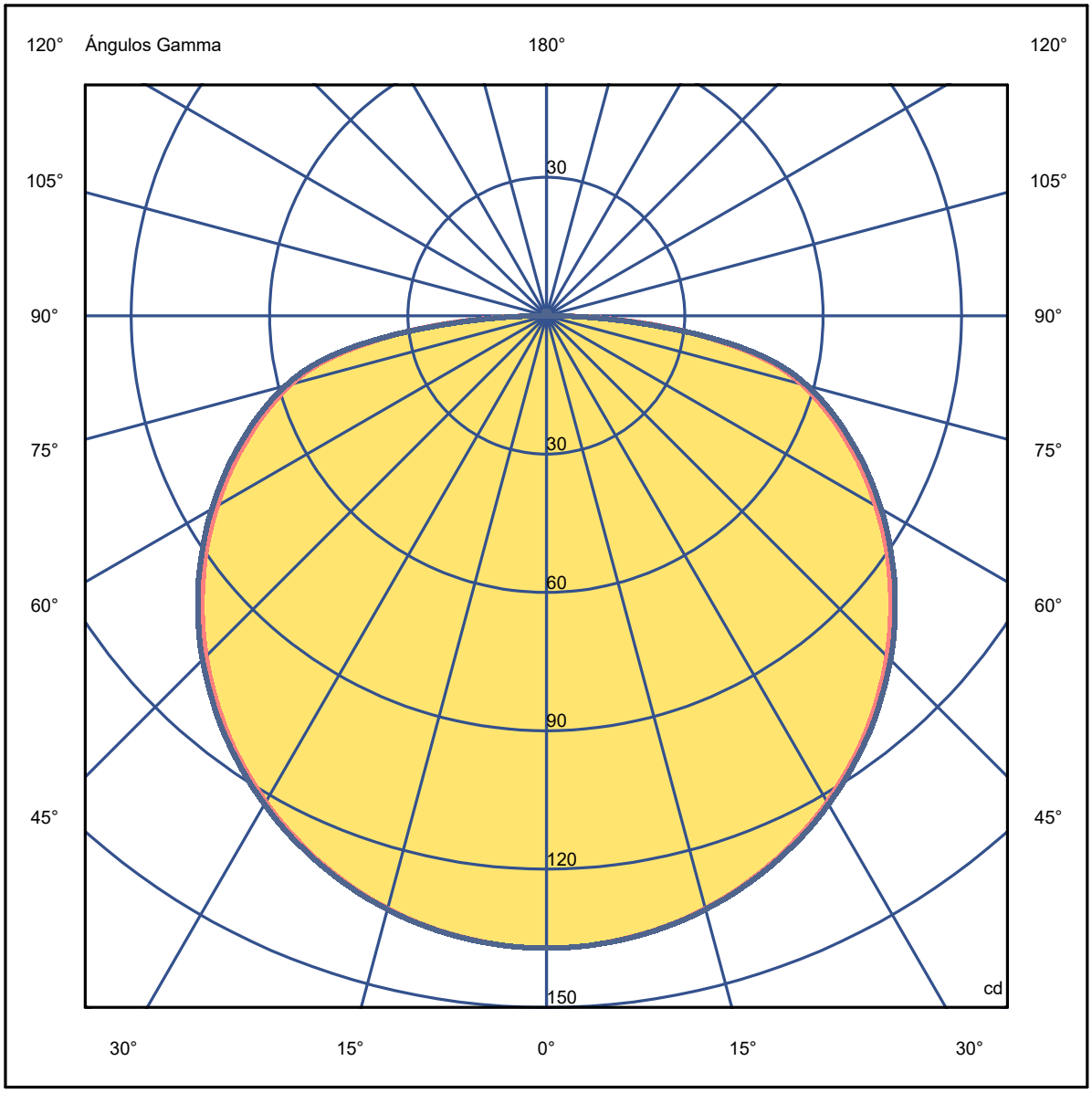
Luminaire Flux	517 lm	Luminaire Power	10.0 W	Efficacy	51.745 lm/W	Efficiency	100.00%
Source Flux	517 lm	Maximum value	137.11 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=530mm



Semiplanos C

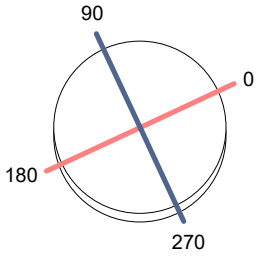




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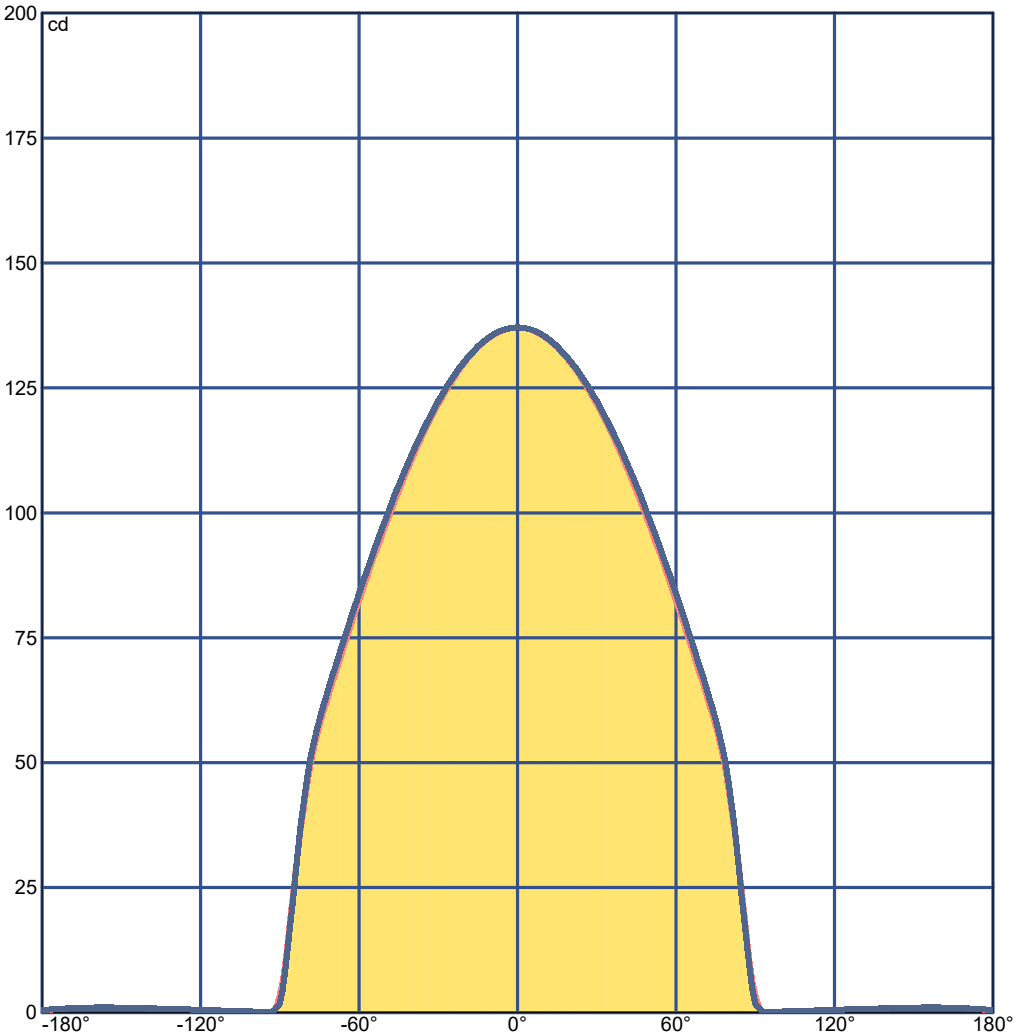
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Source Flux	517 lm	Maximum value	137.11 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=530mm



Semiplanos C





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Source Flux	517 lm	Maximum value	137.11 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	10.4	11.8	10.7	12.1	12.4	10.4	11.9	10.8	12.2	12.4
x=2H y=3H	12.4	13.8	12.8	14.1	14.4	12.5	13.9	12.9	14.2	14.5
x=2H y=4H	13.5	14.7	13.8	15.1	15.4	13.6	14.8	13.9	15.2	15.5
x=2H y=6H	14.3	15.5	14.7	15.8	16.2	14.4	15.6	14.8	16.0	16.3
x=2H y=8H	14.6	15.8	15.0	16.1	16.5	14.8	15.9	15.1	16.2	16.6
x=2H y=12H	14.8	15.9	15.2	16.3	16.7	14.9	16.0	15.3	16.4	16.8
x=4H y=2H	11.2	12.5	11.6	12.8	13.1	11.3	12.5	11.6	12.8	13.2
x=4H y=3H	13.5	14.6	13.9	14.9	15.3	13.6	14.7	14.0	15.0	15.4
x=4H y=4H	14.7	15.7	15.1	16.0	16.4	14.7	15.7	15.2	16.1	16.5
x=4H y=6H	15.7	16.6	16.1	17.0	17.4	15.8	16.7	16.2	17.1	17.5
x=4H y=8H	16.1	16.9	16.5	17.3	17.8	16.2	17.0	16.6	17.4	17.9
x=4H y=12H	16.3	17.1	16.8	17.5	18.0	16.4	17.2	16.9	17.6	18.1
x=8H y=4H	15.2	16.0	15.6	16.4	16.9	15.2	16.1	15.7	16.5	16.9
x=8H y=6H	16.4	17.1	16.9	17.6	18.1	16.5	17.2	17.0	17.7	18.1
x=8H y=8H	16.9	17.5	17.4	18.0	18.5	17.0	17.6	17.5	18.1	18.6
x=8H y=12H	17.3	17.8	17.8	18.3	18.8	17.4	17.9	17.9	18.4	18.9
x=12H y=4H	15.2	16.0	15.7	16.4	16.9	15.3	16.1	15.8	16.5	17.0
x=12H y=6H	16.6	17.2	17.1	17.7	18.2	16.7	17.3	17.2	17.8	18.3
x=12H y=8H	17.2	17.7	17.7	18.2	18.7	17.3	17.8	17.8	18.3	18.8

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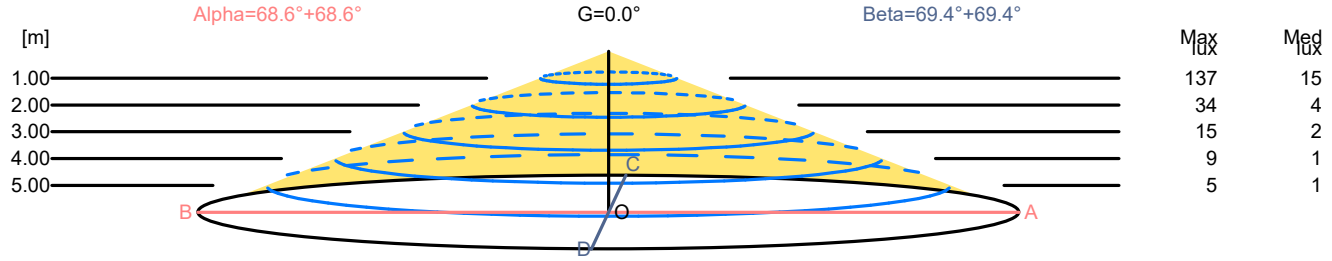
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Source Flux	517 lm	Maximum value	137.11 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Width at 50.00 % of Max Intensity

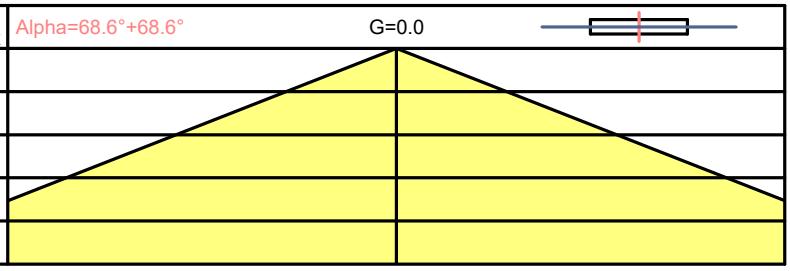
H[m]	1.00	2.00	3.00	4.00	5.00	H[m]	1.00	2.00	3.00	4.00	5.00
OA	2.55	5.10	7.65	10.20	12.75	OC	2.66	5.31	7.97	10.62	13.28
OB	2.55	5.10	7.65	10.20	12.75	OD	2.66	5.31	7.97	10.62	13.28

Luminous Intensities [cd]

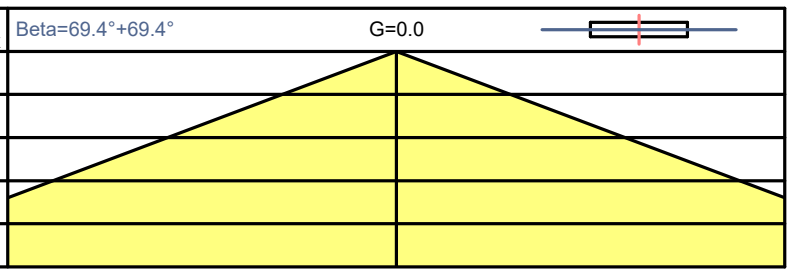
	0	5	15	25	35	45	55	65	75	85
OA	137.11	136.65	133.09	126.24	116.62	104.39	90.28	74.52	57.45	23.68
OB	137.11	136.65	133.09	126.24	116.62	104.39	90.28	74.52	57.45	23.68
OC	137.11	136.66	133.25	126.67	117.26	105.46	91.40	75.84	58.56	22.69
OD	137.11	136.66	133.25	126.67	117.26	105.46	91.40	75.84	58.56	22.69



H[m]	D[m]	Max lux	Med lux
1.00	5.10	137	15
2.00	10.20	34	4
3.00	15.30	15	2
4.00	20.41	9	1
5.00	25.51	5	1



H[m]	D[m]	Max lux	Med lux
1.00	5.31	137	15
2.00	10.62	34	4
3.00	15.93	15	2
4.00	21.24	9	1
5.00	26.55	5	1



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Source Flux	517 lm	Maximum value	137.11 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Flujo Total=517.45 Flujo Luminaria=517.45

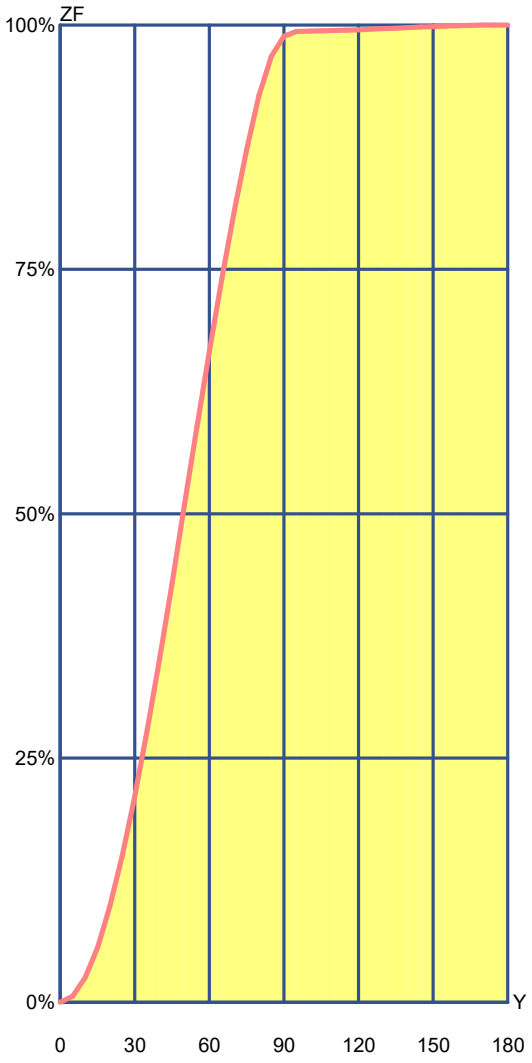
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.24	0.32	0.39	0.45	0.51	0.60	0.66	0.70	0.76	0.80	0.89	0.94
RC	7	7	7	7	7	7	7	7	7	7	7	7

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)	25	98	211	352	509	666	810	928	989	994	994	995	996	997	998	999	1000	1000

Códigos de Flujo C.I.E.
38 67 89 99 100

C.I.E.	7	LOR	100.00000 %
D DIN 5040	A21	ULOR	1.14555 %
F UTE	0.99 G + 0.01 T	DLOR	98.85445 %
B NBN	BZ 6	UFF	1.14555 %
RN	1.14555 %	DFF	98.85445 %
BLF	1.0	FFR	1.15883 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	6.32	6.32	0.63 %	0.63 %
10°	18.80	25.13	1.88 %	2.51 %
15°	30.78	55.91	3.08 %	5.59 %
20°	41.95	97.86	4.19 %	9.79 %
25°	52.03	149.89	5.20 %	14.99 %
30°	60.77	210.66	6.08 %	21.07 %
35°	68.00	278.66	6.80 %	27.87 %
40°	73.56	352.22	7.36 %	35.22 %
45°	77.33	429.55	7.73 %	42.96 %
50°	79.26	508.82	7.93 %	50.88 %
55°	79.38	588.19	7.94 %	58.82 %
60°	77.73	665.92	7.77 %	66.59 %
65°	74.41	740.33	7.44 %	74.03 %
70°	69.55	809.87	6.95 %	80.99 %
75°	63.25	873.13	6.33 %	87.31 %
80°	54.69	927.82	5.47 %	92.78 %
85°	40.41	968.24	4.04 %	96.82 %
90°	20.31	988.54	2.03 %	98.85 %
95°	4.90	993.44	0.49 %	99.34 %
100°	0.34	993.78	0.03 %	99.38 %
105°	0.25	994.03	0.03 %	99.40 %
110°	0.32	994.35	0.03 %	99.44 %
115°	0.39	994.75	0.04 %	99.47 %
120°	0.46	995.21	0.05 %	99.52 %
125°	0.51	995.72	0.05 %	99.57 %
130°	0.55	996.27	0.05 %	99.63 %
135°	0.57	996.83	0.06 %	99.68 %
140°	0.57	997.41	0.06 %	99.74 %
145°	0.56	997.96	0.06 %	99.80 %
150°	0.53	998.49	0.05 %	99.85 %
155°	0.47	998.96	0.05 %	99.90 %
160°	0.40	999.36	0.04 %	99.94 %
165°	0.30	999.66	0.03 %	99.97 %
170°	0.20	999.87	0.02 %	99.99 %
175°	0.10	999.97	0.01 %	100.00 %
180°	0.03	1000.00	0.00 %	100.00 %

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Isolux (Floor)

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

