Luminaire

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

Measurem.

Code	CL092A24D004GPE1
Name	MEDITERRÀNIA S/52 TRIAC BARIUM-WHITE

Source Data

Code	Led Cob _EDC/47C/10 W/927/120V_B001	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	515.0 lm
Maximum	266.50 cd/klm	Position	C=0.0° G=0.0°
Remarks	RM24052701		

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	25.0 °C	Air Speed	0.0 m/s
Humidity	48.8 %		

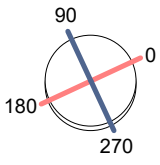
Luminaire Dimensions

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

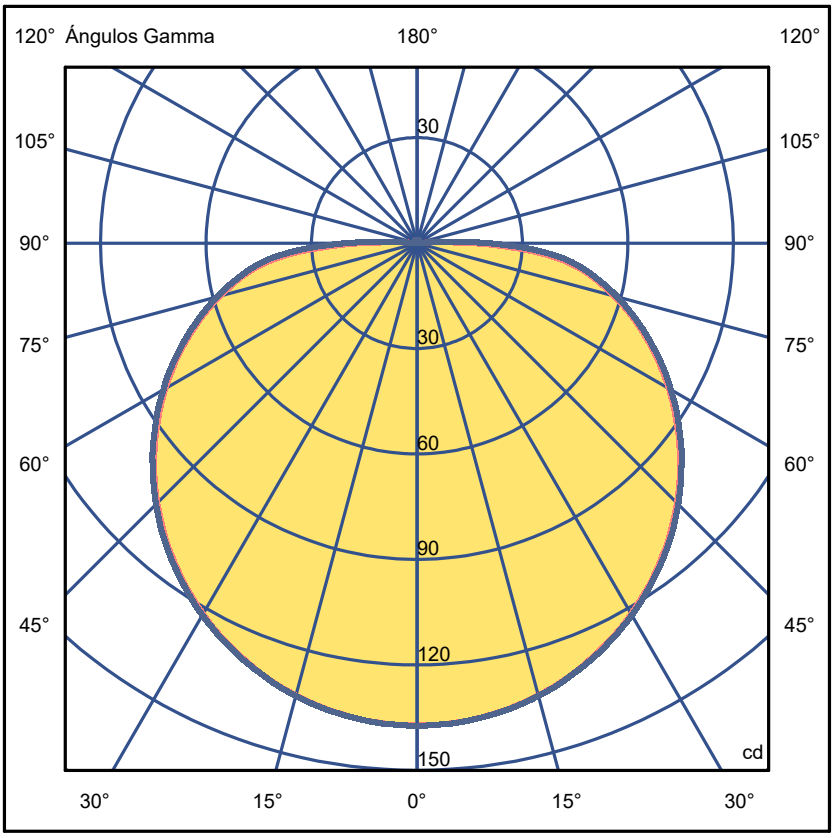
Luminaire Flux	515.0 lm	Source Flux	515.0 lm
Efficacy	51.499 lm/W	Efficiency	100.0 %
CIE Flux Codes	38 68 90 99 100	D DIN 5040	A21
F UTE	0.99 G + 0.01 T	B NBN	BZ 6

Diam=530mm





ULOR 1.17 %
DLOR 98.83 %
RN 1.17 %



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Luminaire Flux	515 lm	Luminaire Power	10.0 W	Efficacy	51.499 lm/W	Efficiency	100.00%
Source Flux	515 lm	Maximum value	137.25 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

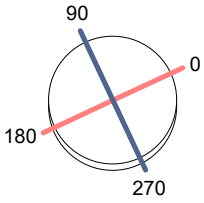
Luminous Intensity Table cd **Table 1/1**

	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	136
G 12.5	134	134	134	135	135	134	135
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	128	129
G 25.0	126	126	126	126	127	127	127
G 27.5	124	124	124	124	124	124	124
G 30.0	122	122	122	122	122	122	122
G 32.5	119	119	119	119	120	120	120
G 35.0	117	117	117	117	117	117	117
G 37.5	114	114	114	114	114	114	114
G 40.0	111	111	111	111	111	111	111
G 42.5	108	108	108	108	108	108	108
G 45.0	105	104	105	105	105	105	105
G 47.5	101	101	101	101	102	102	102
G 50.0	98	98	98	98	98	98	98
G 52.5	94	94	94	94	95	95	95
G 55.0	90	90	90	91	91	91	91
G 57.5	87	87	87	87	87	87	87
G 60.0	83	83	83	83	83	83	83
G 62.5	79	79	79	79	79	79	80
G 65.0	75	75	75	75	75	75	75
G 67.5	71	71	71	71	71	71	71
G 70.0	67	66	66	66	67	67	67
G 72.5	62	62	62	62	62	63	63
G 75.0	58	58	57	57	58	59	59
G 77.5	54	53	51	50	52	54	55
G 80.0	49	48	43	40	44	49	50
G 82.5	44	41	33	28	35	42	45
G 85.0	37	32	22	16	24	35	39
G 87.5	27	23	13	6	13	25	31
G 90.0	17	13	5	1	5	15	21
G 92.5	6	5	1	0	1	6	10
G 95.0	0	1	0	0	0	1	2
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	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	0	0	0	0	0
G180.0	0	0	0	0	0	0	0

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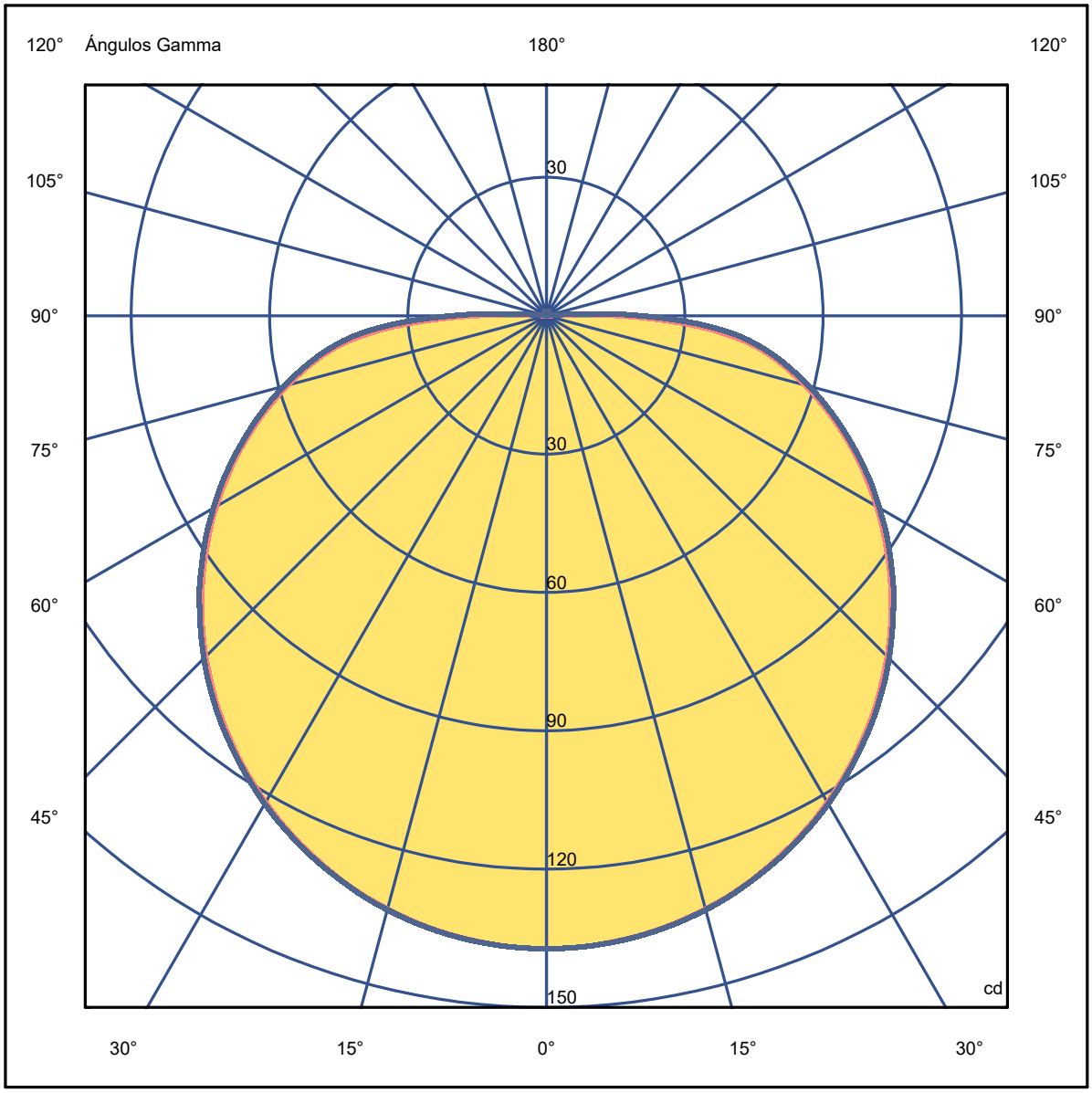
Luminaire Flux	515 lm	Luminaire Power	10.0 W	Efficacy	51.499 lm/W	Efficiency	100.00%
Source Flux	515 lm	Maximum value	137.25 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=530mm



Semiplanos C

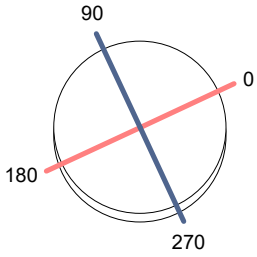
180.0 0.0
270.0 90.0



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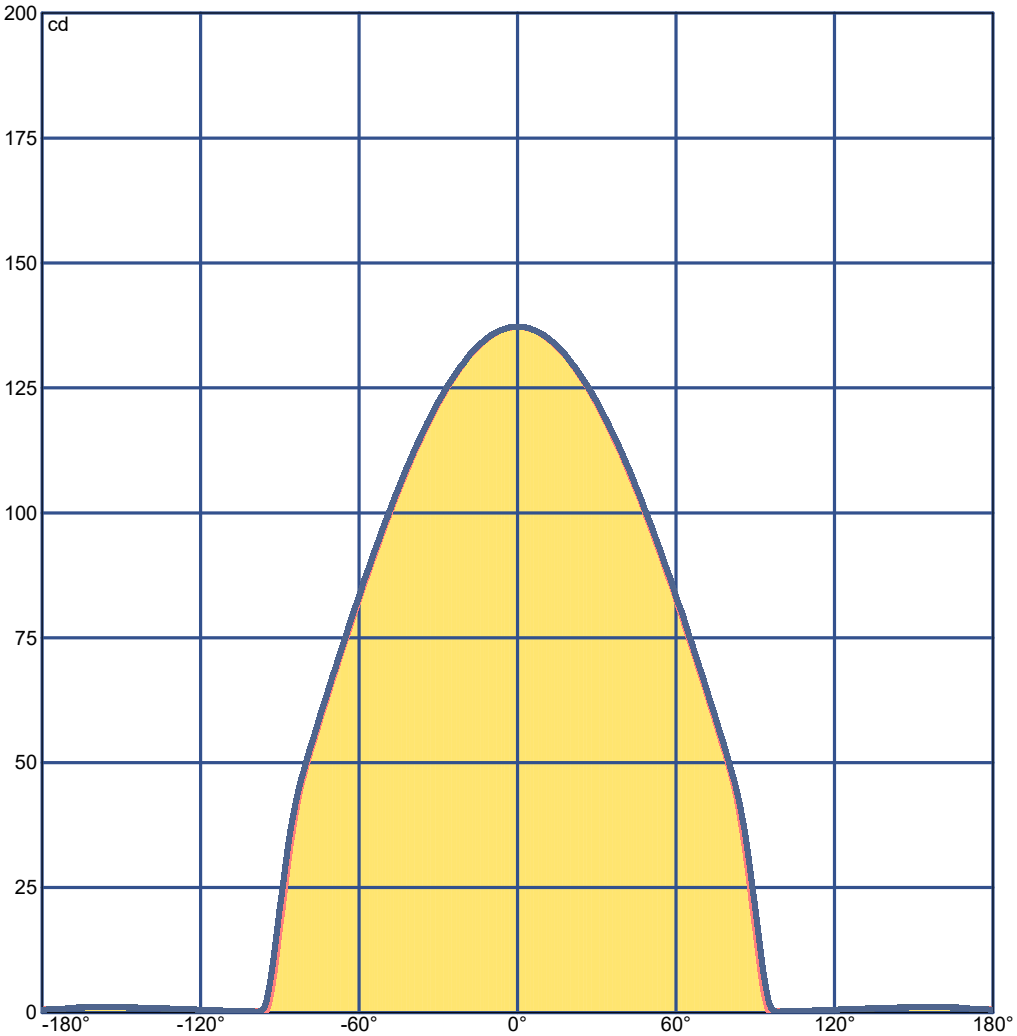
Luminaire Flux	515 lm	Luminaire Power	10.0 W	Efficacy	51.499 lm/W	Efficiency	100.00%
Source Flux	515 lm	Maximum value	137.25 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=530mm



Semiplanos C





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Luminaire Flux	515 lm	Luminaire Power	10.0 W	Efficacy	51.499 lm/W	Efficiency	100.00%
Source Flux	515 lm	Maximum value	137.25 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	11.9	10.7	12.1	12.4	10.4	11.9	10.7	12.1	12.4
x=2H y=3H	12.5	13.8	12.8	14.1	14.4	12.5	13.9	12.9	14.2	14.5
x=2H y=4H	13.5	14.8	13.9	15.1	15.4	13.6	14.8	13.9	15.1	15.5
x=2H y=6H	14.4	15.6	14.8	16.0	16.3	14.5	15.7	14.9	16.1	16.4
x=2H y=8H	14.9	16.0	15.3	16.4	16.7	15.0	16.1	15.4	16.5	16.8
x=2H y=12H	15.3	16.4	15.6	16.7	17.1	15.4	16.5	15.8	16.8	17.2
x=4H y=2H	11.2	12.5	11.6	12.8	13.1	11.2	12.5	11.6	12.8	13.1
x=4H y=3H	13.5	14.6	13.9	15.0	15.3	13.5	14.6	13.9	15.0	15.4
x=4H y=4H	14.7	15.7	15.1	16.0	16.4	14.7	15.7	15.1	16.1	16.5
x=4H y=6H	15.8	16.7	16.2	17.1	17.5	15.9	16.8	16.3	17.2	17.6
x=4H y=8H	16.3	17.1	16.8	17.5	18.0	16.4	17.2	16.9	17.7	18.1
x=4H y=12H	16.7	17.5	17.2	17.9	18.4	16.9	17.6	17.4	18.1	18.5
x=8H y=4H	15.1	15.9	15.6	16.4	16.8	15.2	16.0	15.6	16.4	16.9
x=8H y=6H	16.4	17.1	16.9	17.5	18.0	16.5	17.2	17.0	17.6	18.1
x=8H y=8H	17.0	17.6	17.5	18.1	18.6	17.1	17.7	17.6	18.2	18.7
x=8H y=12H	17.6	18.1	18.1	18.6	19.1	17.7	18.3	18.2	18.8	19.3
x=12H y=4H	15.2	15.9	15.7	16.4	16.9	15.2	16.0	15.7	16.4	16.9
x=12H y=6H	16.5	17.1	17.0	17.6	18.1	16.6	17.2	17.1	17.7	18.2
x=12H y=8H	17.1	17.7	17.7	18.2	18.7	17.3	17.8	17.8	18.3	18.8

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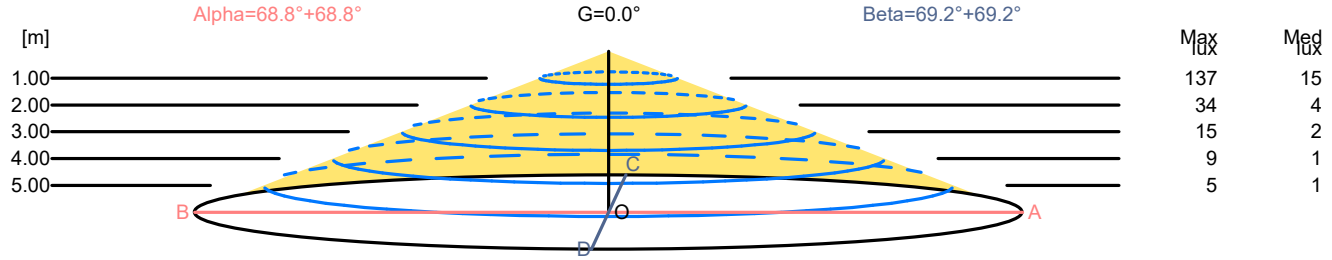
Luminaire Flux	515 lm	Luminaire Power	10.0 W	Efficacy	51.499 lm/W	Efficiency	100.00%
Source Flux	515 lm	Maximum value	137.25 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Width at 50.00 % of Max Intensity

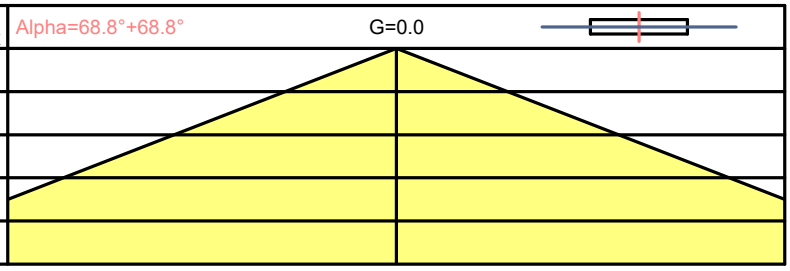
H[m]	1.00	2.00	3.00	4.00	5.00	H[m]	1.00	2.00	3.00	4.00	5.00
OA	2.57	5.14	7.72	10.29	12.86	OC	2.63	5.26	7.89	10.52	13.15
OB	2.57	5.14	7.72	10.29	12.86	OD	2.63	5.26	7.89	10.52	13.15

Luminous Intensities [cd]

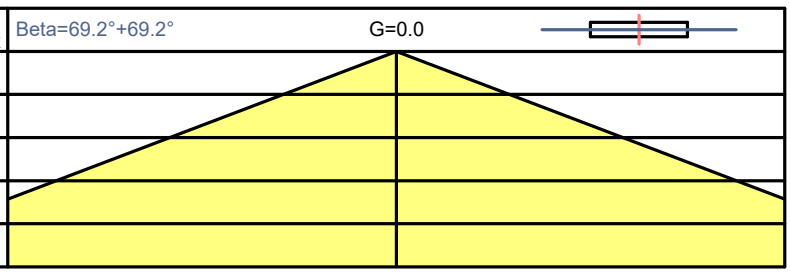
	0	5	15	25	35	45	55	65	75	85
OA	137.25	136.78	133.18	126.34	116.64	104.51	90.28	74.78	58.08	36.72
OB	137.25	136.78	133.18	126.34	116.64	104.51	90.28	74.78	58.08	36.72
OC	137.25	136.81	133.33	126.56	117.02	105.02	90.96	75.43	58.93	39.35
OD	137.25	136.81	133.33	126.56	117.02	105.02	90.96	75.43	58.93	39.35



H[m]	D[m]	Max lux	Med lux
1.00	5.14	137	15
2.00	10.29	34	4
3.00	15.43	15	2
4.00	20.58	9	1
5.00	25.72	5	1



H[m]	D[m]	Max lux	Med lux
1.00	5.26	137	15
2.00	10.52	34	4
3.00	15.78	15	2
4.00	21.04	9	1
5.00	26.31	5	1



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Luminaire Flux	515 lm	Luminaire Power	10.0 W	Efficacy	51.499 lm/W	Efficiency	100.00%
Source Flux	515 lm	Maximum value	137.25 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Flujo Total=514.99 Flujo Luminaria=514.99

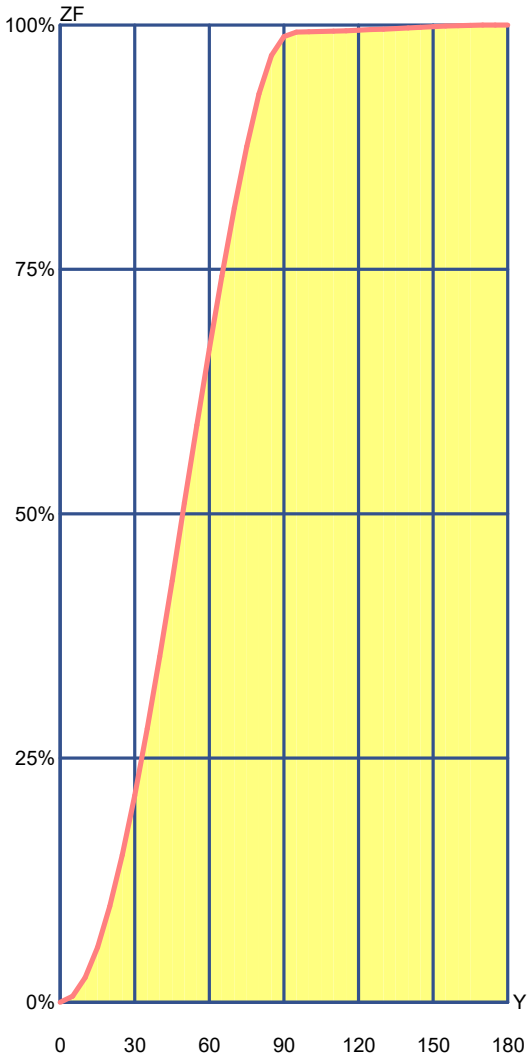
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.25	0.32	0.39	0.46	0.51	0.60	0.66	0.71	0.77	0.80	0.89	0.94
RC	7	7	7	7	7	7	7	7	7	7	7	7

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	212	354	511	668	813	930	988	993	994	995	996	997	998	999	1000	1000

Códigos de Flujo C.I.E.
38 68 90 99 100

C.I.E.	7	LOR	100.00000 %
D DIN 5040	A21	ULOR	1.17351 %
F UTE	0.99 G + 0.01 T	DLOR	98.82649 %
B NBN	BZ 6	UFF	1.17351 %
RN	1.17351 %	DFF	98.82649 %
BLF	1.0	FFR	1.18744 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	6.36	6.36	0.64 %	0.64 %
10°	18.91	25.27	1.89 %	2.53 %
15°	30.96	56.23	3.10 %	5.62 %
20°	42.17	98.40	4.22 %	9.84 %
25°	52.28	150.68	5.23 %	15.07 %
30°	61.05	211.73	6.11 %	21.17 %
35°	68.29	280.01	6.83 %	28.00 %
40°	73.83	353.84	7.38 %	35.38 %
45°	77.59	431.43	7.76 %	43.14 %
50°	79.50	510.93	7.95 %	51.09 %
55°	79.59	590.52	7.96 %	59.05 %
60°	77.89	668.41	7.79 %	66.84 %
65°	74.53	742.94	7.45 %	74.29 %
70°	69.62	812.56	6.96 %	81.26 %
75°	63.18	875.74	6.32 %	87.57 %
80°	53.99	929.73	5.40 %	92.97 %
85°	39.04	968.77	3.90 %	96.88 %
90°	19.50	988.26	1.95 %	98.83 %
95°	4.65	992.91	0.46 %	99.29 %
100°	0.36	993.27	0.04 %	99.33 %
105°	0.26	993.53	0.03 %	99.35 %
110°	0.33	993.86	0.03 %	99.39 %
115°	0.41	994.27	0.04 %	99.43 %
120°	0.49	994.76	0.05 %	99.48 %
125°	0.55	995.31	0.06 %	99.53 %
130°	0.60	995.91	0.06 %	99.59 %
135°	0.62	996.53	0.06 %	99.65 %
140°	0.63	997.16	0.06 %	99.72 %
145°	0.62	997.78	0.06 %	99.78 %
150°	0.58	998.36	0.06 %	99.84 %
155°	0.52	998.88	0.05 %	99.89 %
160°	0.44	999.31	0.04 %	99.93 %
165°	0.33	999.65	0.03 %	99.96 %
170°	0.22	999.86	0.02 %	99.99 %
175°	0.11	999.97	0.01 %	100.00 %
180°	0.03	1000.00	0.00 %	100.00 %

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Source Flux	515 lm	Maximum value	137.25 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Isolux (Floor)

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

