Luminaire

Code	33805215053
Name	MEDITERRÀNIA S/52 TRIAC BARIUM-CREAM
Line	

Measurem.

Code	CL092A24D003VP
Name	MEDITERRÀNIA S/52 TRIAC BARIUM-CREAM

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	509.6 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

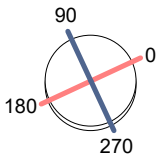
Round Luminaire	Diam.	530 mm	Height	100 mm	
Round Luminous Area	Diam.	530 mm	Height	100 mm	
Horizontal Luminous Area	0.220618 m2		Emitting area on Plane 180°		0.053000 m2
Emitting area on Plane 0°	0.053000 m2		Emitting area on Plane 270°		0.053000 m2
Emitting area on Plane 90°	0.053000 m2		Glare area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

Photometric Assessment

Luminaire Flux	509.6 lm	Source Flux	509.6 lm
Efficacy	50.956 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

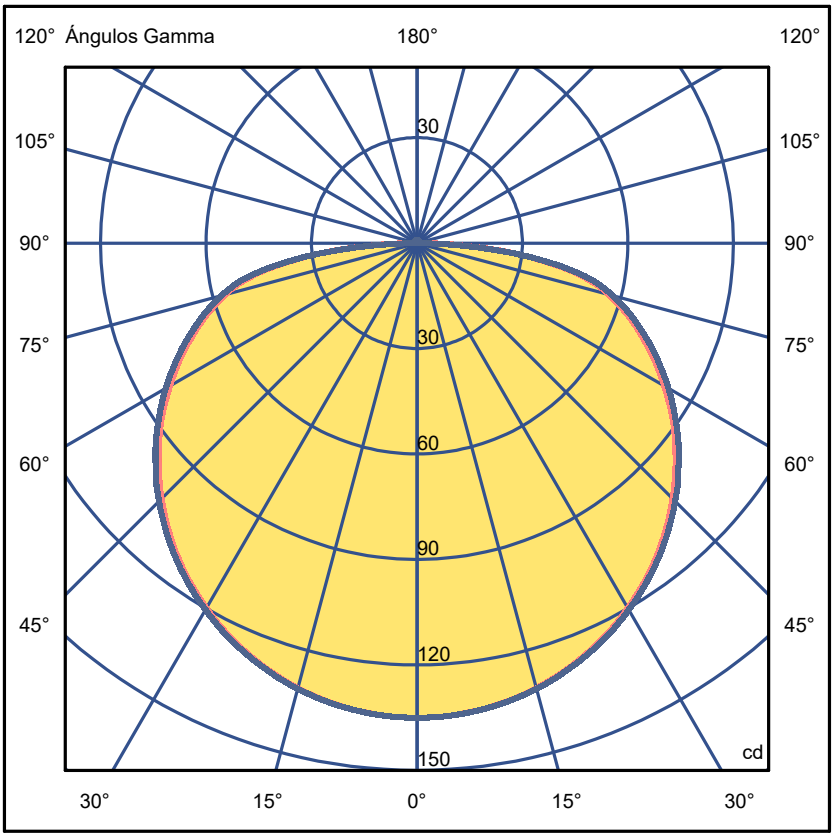


Diam=530mm





ULOR 1.15 %
DLOR 98.85 %
RN 1.15 %



Luminaire
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Measurem.
Code CL092A24D003VP
Name MEDITERRÀNIA S/52 TRIAC BARIUM-CREAM

Luminaire Flux	510 lm	Luminaire Power	10.0 W	Efficacy	50.956 lm/W	Efficiency	100.00%
Source Flux	510 lm	Maximum value	135.01 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

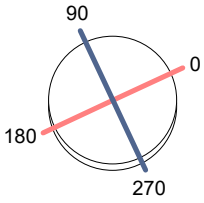
Luminous Intensity Table cd **Table 1/1**

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	135	135	135	135	135	135	135
G 2.5	135	135	135	135	135	135	135
G 5.0	135	135	135	135	135	135	135
G 7.5	134	134	134	134	134	134	134
G 10.0	133	133	133	133	133	133	133
G 12.5	132	132	132	132	132	132	132
G 15.0	131	131	131	131	131	131	131
G 17.5	130	130	130	130	130	130	130
G 20.0	128	128	128	128	128	128	128
G 22.5	126	126	126	126	127	127	127
G 25.0	124	124	124	125	125	125	125
G 27.5	122	122	122	122	123	123	123
G 30.0	120	120	120	120	120	120	120
G 32.5	117	117	118	118	118	118	118
G 35.0	115	115	115	115	115	115	115
G 37.5	112	112	112	112	113	113	113
G 40.0	109	109	109	110	110	110	110
G 42.5	106	106	106	106	107	107	107
G 45.0	103	103	103	103	104	104	104
G 47.5	99	100	100	100	100	100	101
G 50.0	96	96	96	97	97	97	97
G 52.5	92	93	93	93	93	93	94
G 55.0	89	89	89	89	90	90	90
G 57.5	85	85	85	86	86	86	86
G 60.0	81	81	82	82	82	82	83
G 62.5	77	77	78	78	78	78	79
G 65.0	73	73	74	74	74	75	75
G 67.5	69	69	70	70	70	70	71
G 70.0	65	65	66	66	66	66	66
G 72.5	61	61	61	62	62	62	62
G 75.0	57	57	57	58	58	58	58
G 77.5	51	51	52	53	53	52	52
G 80.0	44	44	47	49	48	45	45
G 82.5	34	36	40	43	41	36	35
G 85.0	23	25	31	36	32	25	22
G 87.5	11	15	22	27	22	15	10
G 90.0	3	8	12	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

Luminaire
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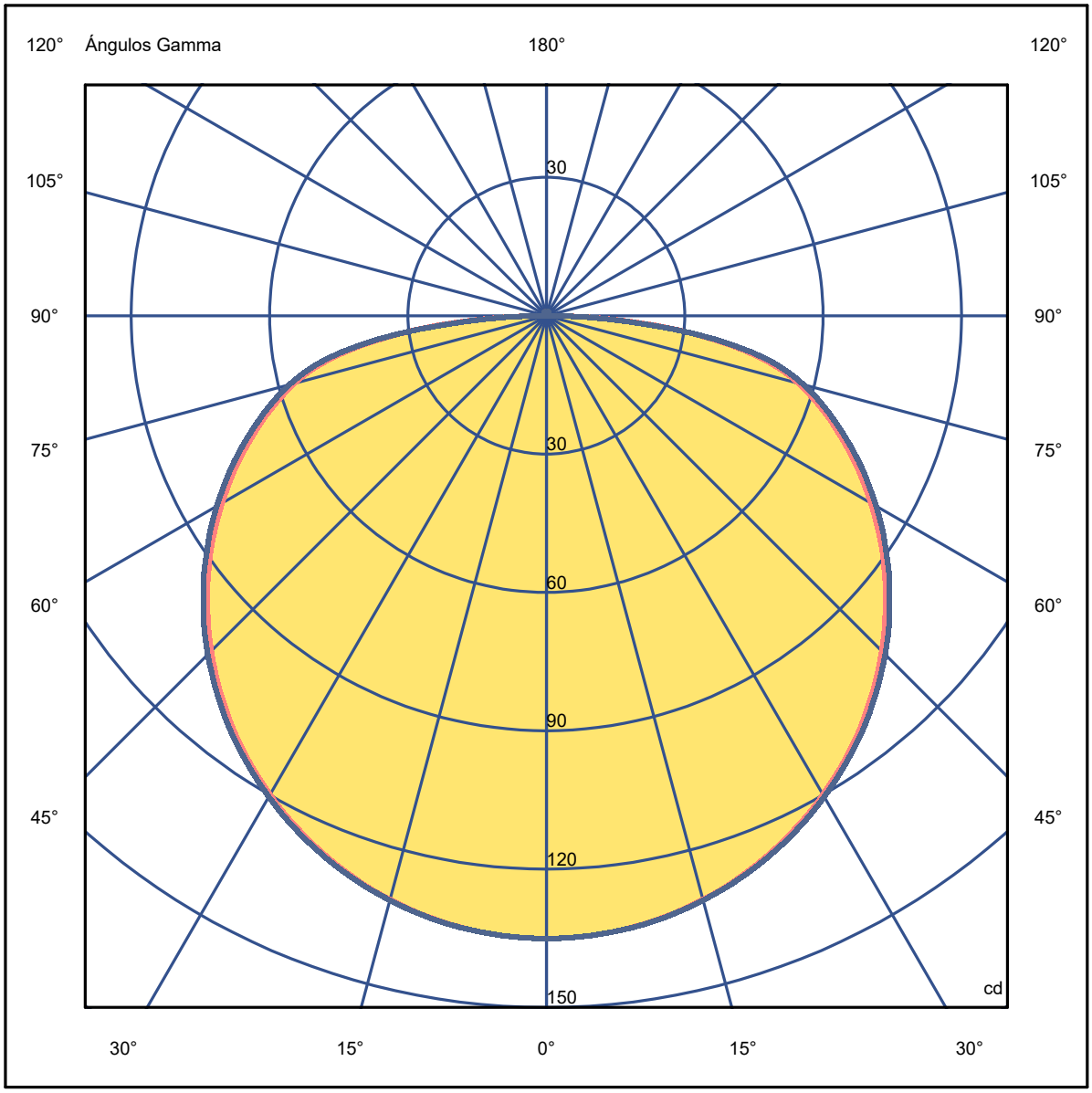
Luminaire Flux	510 lm	Luminaire Power	10.0 W	Efficacy	50.956 lm/W	Efficiency	100.00%
Source Flux	510 lm	Maximum value	135.01 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=530mm



Semiplanos C

180.0 0.0
270.0 90.0



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Luminaire Flux	510 lm	Luminaire Power	10.0 W	Efficacy	50.956 lm/W	Efficiency	100.00%
Source Flux	510 lm	Maximum value	135.01 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	10.3	11.8	10.6	12.0	12.3	10.4	11.8	10.7	12.1	12.4
x=2H y=3H	12.4	13.7	12.7	14.0	14.3	12.5	13.8	12.8	14.1	14.4
x=2H y=4H	13.4	14.7	13.8	15.0	15.3	13.5	14.8	13.9	15.1	15.4
x=2H y=6H	14.3	15.5	14.7	15.8	16.1	14.4	15.6	14.8	15.9	16.3
x=2H y=8H	14.6	15.7	15.0	16.1	16.4	14.7	15.8	15.1	16.2	16.6
x=2H y=12H	14.8	15.9	15.2	16.2	16.6	14.9	16.0	15.3	16.3	16.7
x=4H y=2H	11.1	12.4	11.5	12.7	13.1	11.2	12.5	11.6	12.8	13.1
x=4H y=3H	13.4	14.5	13.8	14.9	15.3	13.5	14.6	13.9	15.0	15.3
x=4H y=4H	14.6	15.6	15.0	16.0	16.4	14.7	15.7	15.1	16.1	16.5
x=4H y=6H	15.6	16.5	16.1	16.9	17.4	15.8	16.6	16.2	17.0	17.5
x=4H y=8H	16.0	16.8	16.5	17.3	17.7	16.1	16.9	16.6	17.4	17.8
x=4H y=12H	16.3	17.0	16.7	17.5	17.9	16.4	17.1	16.8	17.5	18.0
x=8H y=4H	15.1	15.9	15.6	16.4	16.8	15.2	16.0	15.7	16.4	16.9
x=8H y=6H	16.4	17.1	16.9	17.5	18.0	16.5	17.1	16.9	17.6	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	17.2	17.8	17.8	18.3	18.8	17.3	17.8	17.8	18.3	18.9
x=12H y=4H	15.2	15.9	15.7	16.4	16.9	15.3	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	17.6	18.1	18.7	17.2	17.7	17.7	18.2	18.8

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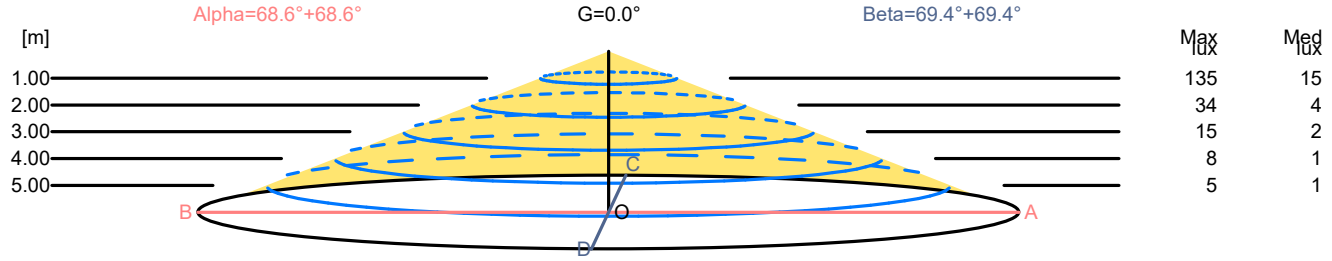
Luminaire Flux	510 lm	Luminaire Power	10.0 W	Efficacy	50.956 lm/W	Efficiency	100.00%
Source Flux	510 lm	Maximum value	135.01 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Width at 50.00 % of Max Intensity

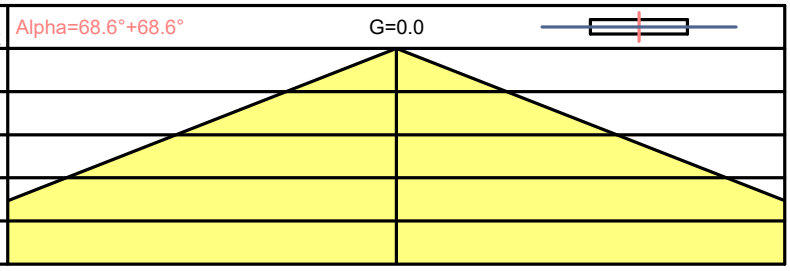
H[m]	1.00	2.00	3.00	4.00	5.00	H[m]	1.00	2.00	3.00	4.00	5.00
OA	2.55	5.10	7.65	10.20	12.75	OC	2.66	5.31	7.97	10.62	13.28
OB	2.55	5.10	7.65	10.20	12.75	OD	2.66	5.31	7.97	10.62	13.28

Luminous Intensities [cd]

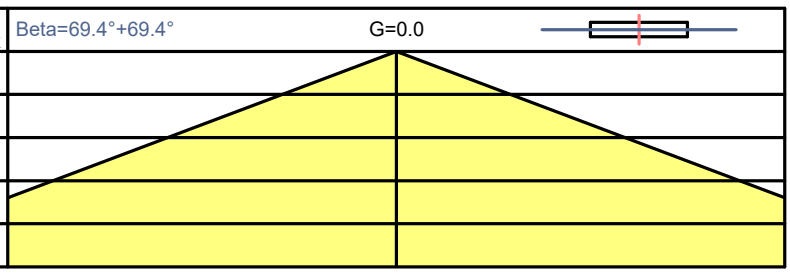
	0	5	15	25	35	45	55	65	75	85
OA	135.01	134.57	131.06	124.31	114.84	102.80	88.90	73.38	56.57	23.32
OB	135.01	134.57	131.06	124.31	114.84	102.80	88.90	73.38	56.57	23.32
OC	135.01	134.58	131.21	124.74	115.48	103.85	90.01	74.69	57.66	22.34
OD	135.01	134.58	131.21	124.74	115.48	103.85	90.01	74.69	57.66	22.34



H[m]	D[m]	Max lux	Med lux
1.00	5.10	135	15
2.00	10.20	34	4
3.00	15.30	15	2
4.00	20.41	8	1
5.00	25.51	5	1



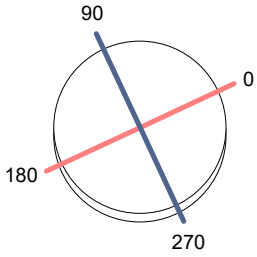
H[m]	D[m]	Max lux	Med lux
1.00	5.31	135	15
2.00	10.62	34	4
3.00	15.93	15	2
4.00	21.24	8	1
5.00	26.55	5	1



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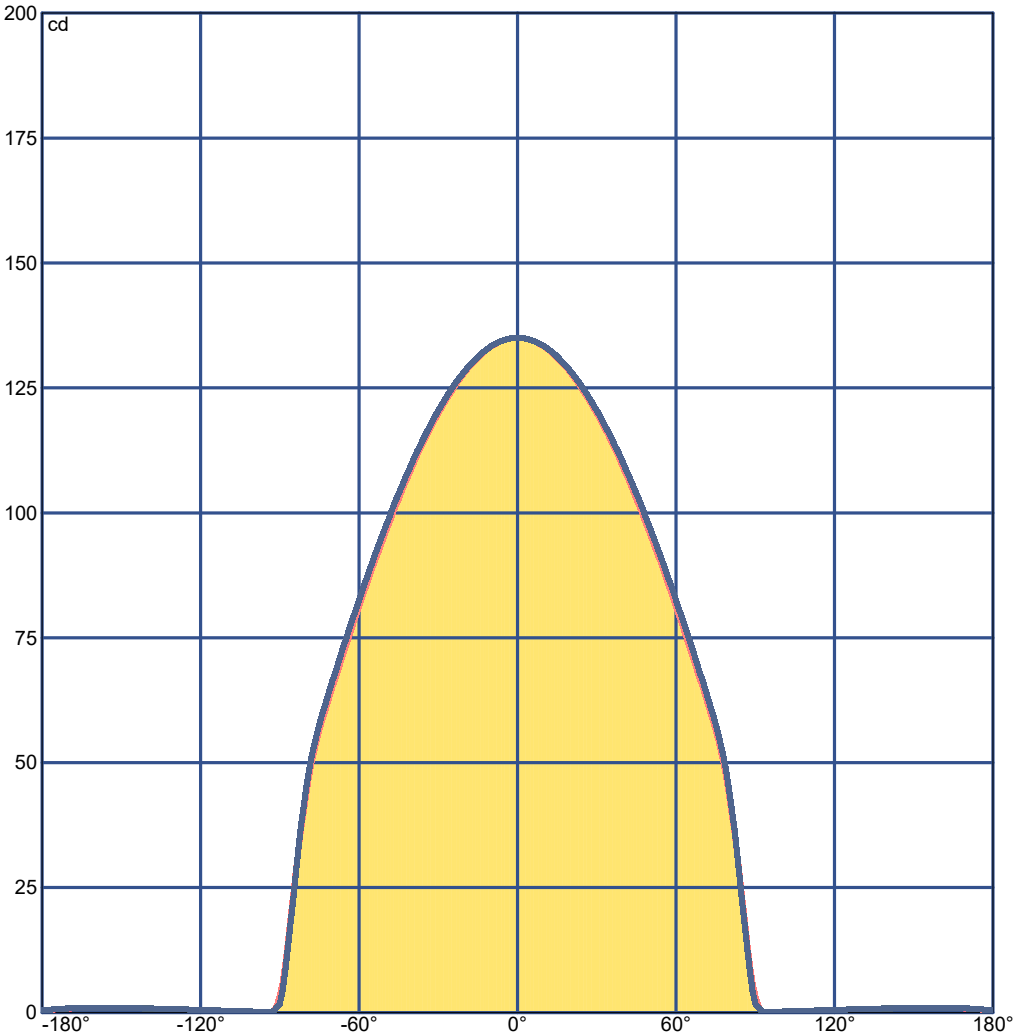
Luminaire Flux	510 lm	Luminaire Power	10.0 W	Efficacy	50.956 lm/W	Efficiency	100.00%
Source Flux	510 lm	Maximum value	135.01 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=530mm



Semiplanos C





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Source Flux	510 lm	Maximum value	135.01 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Flujo Total=509.56 Flujo Luminaria=509.56

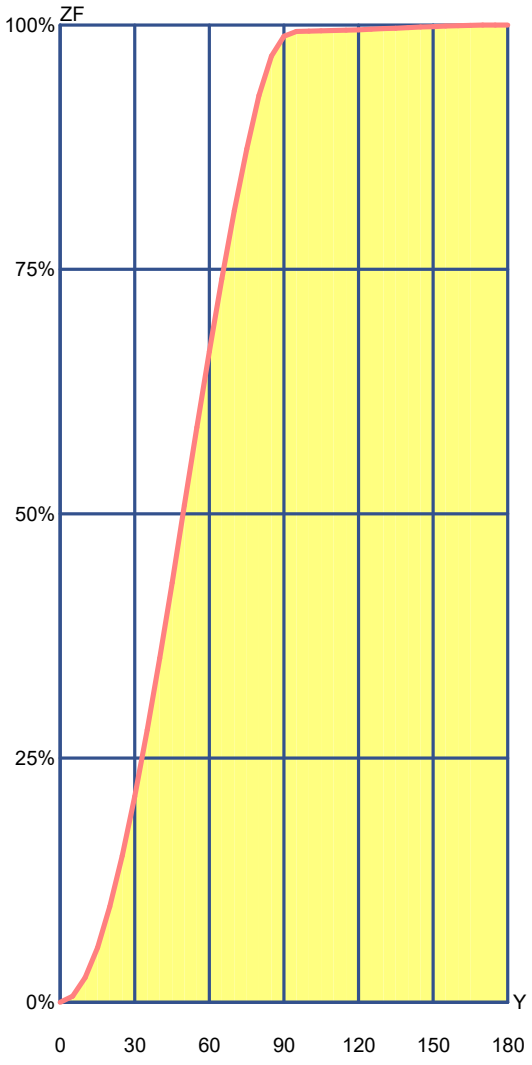
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.24	0.32	0.39	0.45	0.51	0.60	0.66	0.70	0.76	0.80	0.89	0.94
RC	7	7	7	7	7	7	7	7	7	7	7	7

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 %



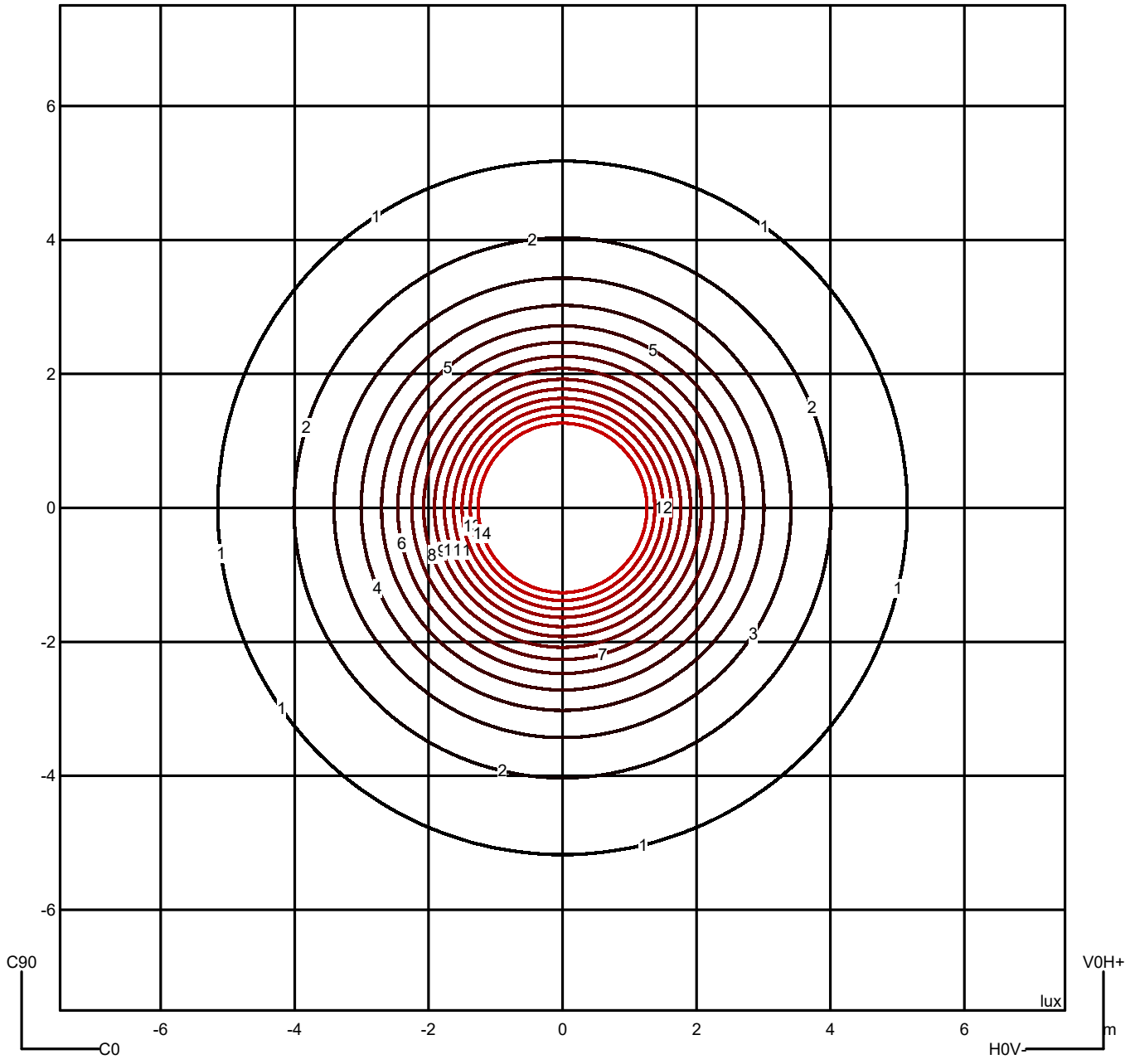
Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	6.32	6.32	0.63 %	0.63 %
10°	18.80	25.13	1.88 %	2.51 %
15°	30.78	55.91	3.08 %	5.59 %
20°	41.95	97.86	4.19 %	9.79 %
25°	52.03	149.89	5.20 %	14.99 %
30°	60.77	210.66	6.08 %	21.07 %
35°	68.00	278.66	6.80 %	27.87 %
40°	73.56	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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Luminaire Flux	510 lm	Luminaire Power	10.0 W	Efficacy	50.956 lm/W	Efficiency	100.00%
Source Flux	510 lm	Maximum value	135.01 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Isolux (Floor)

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



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Source Flux	510 lm	Maximum value	135.01 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Spectral Data

Std.: No import standard

CIE1931	x =0.468261	y =0.411596
CIE1960	u =0.267478	v =0.352664
CIE1976	u'=0.267478	v'=0.528996
D(u,v)	0.00025	

Color rendering index (CRI)
CCT = [2594 K]*

CRI8(Ra) [90.8]* CRI15(Rav) [87.8]*

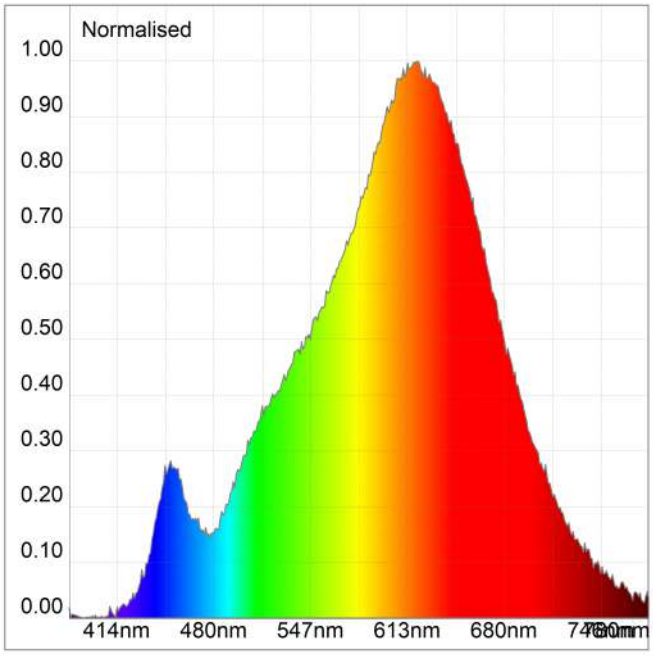
R 1: 90.4	R 2: 95.5	R 3: 98.6	R 4: 90.4	R 5: 90.5
R 6: 95.6	R 7: 89.3	R 8: 75.8	R 9: 48.4	R10: 89.3
R11: 91.5	R12: 86.3	R13: 91.7	R14: 99.1	R15: 85.3

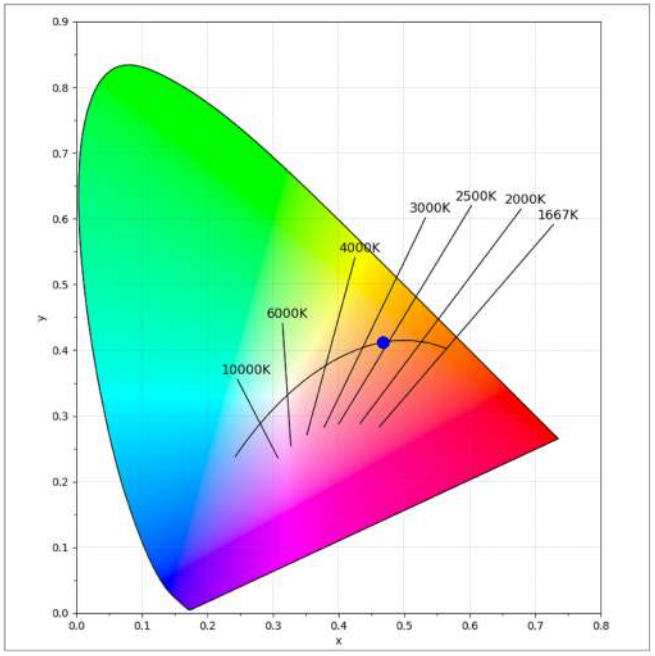
Color Rendering Components

Spectral Distribution

l(nm)	Normalised	l(nm)	Normalised	l(nm)	Normalised
381.0	0.019436	387.0	0.003191	393.0	0.001130
399.0	0.005506	405.0	0.000872	411.0	0.007393
417.0	0.021401	423.0	0.034436	429.0	0.056226
435.0	0.097471	441.0	0.179961	447.0	0.274319
453.0	0.270428	459.0	0.233463	465.0	0.175875
471.0	0.161479	477.0	0.151946	483.0	0.157977
489.0	0.204280	495.0	0.233463	501.0	0.291829
507.0	0.322957	513.0	0.363813	519.0	0.383268
525.0	0.408560	531.0	0.433852	537.0	0.478599
543.0	0.486381	549.0	0.535019	555.0	0.558366
561.0	0.595331	567.0	0.638132	573.0	0.669261
579.0	0.723735	585.0	0.772374	591.0	0.836576
597.0	0.885214	603.0	0.929961	609.0	0.968872
615.0	0.984436	621.0	1.000000	627.0	0.966926
633.0	0.959144	639.0	0.918288	645.0	0.871595
651.0	0.817121	657.0	0.764591	663.0	0.698444
669.0	0.628405	675.0	0.570039	681.0	0.492218
687.0	0.435798	693.0	0.389105	699.0	0.324903
705.0	0.276265	711.0	0.241245	717.0	0.206226
723.0	0.170233	729.0	0.140661	735.0	0.118093
741.0	0.106031	747.0	0.079767	753.0	0.071790
759.0	0.053113	765.0	0.055837	771.0	0.046887
777.0	0.027432				

Spectrum Graph

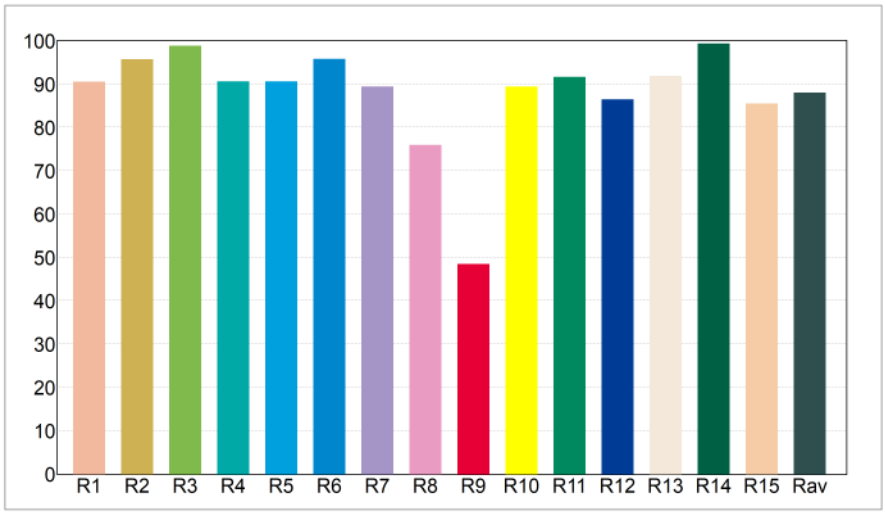


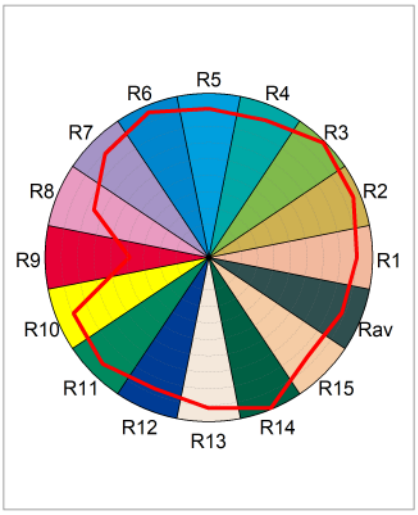


Luminaire
Code 33805215053
Name MEDITERRÀNIA S/52 TRIAC BARIUM-CREAM
Measurem.
Code CL092A24D003VP
Name MEDITERRÀNIA S/52 TRIAC BARIUM-CREAM

Luminaire Flux	510 lm	Luminaire Power	10.0 W	Efficacy	50.956 lm/W	Efficiency	100.00%
Source Flux	510 lm	Maximum value	135.01 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

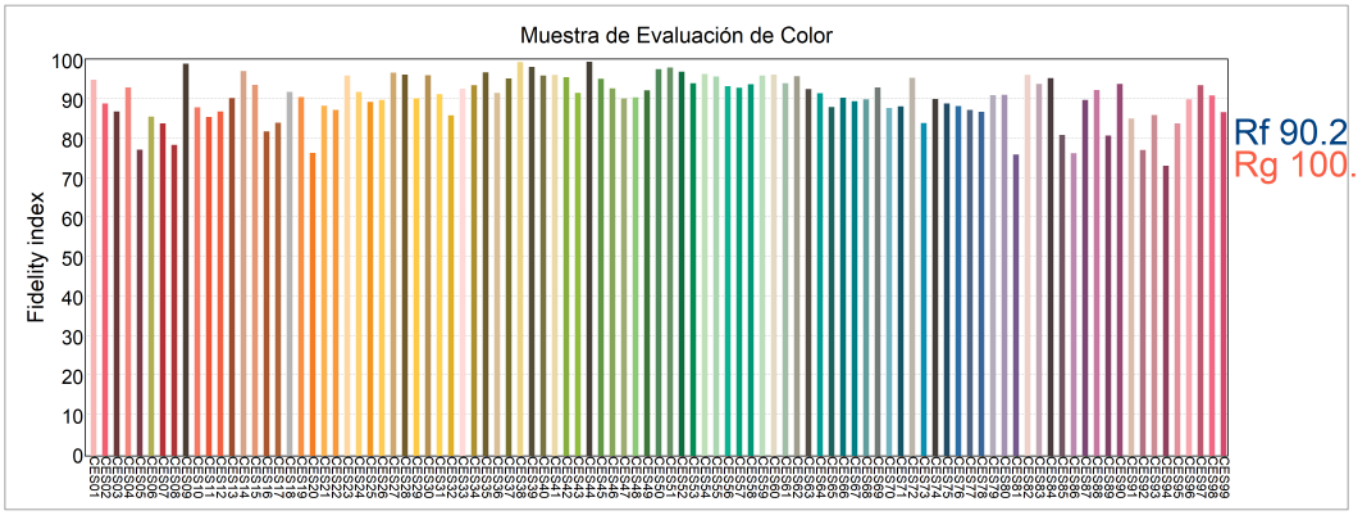
CRI Graphs



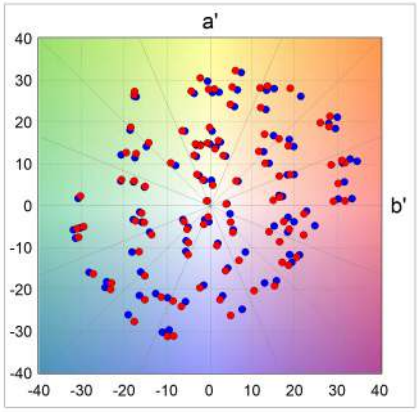


Luminaire
Code 33805215053
Name MEDITERRÀNIA S/52 TRIAC BARIUM-CREAM
Measurem.
Code CL092A24D003VP
Name MEDITERRÀNIA S/52 TRIAC BARIUM-CREAM

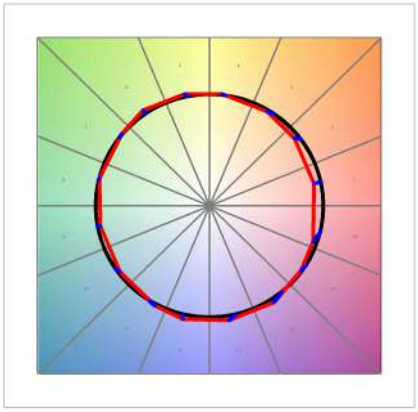
Luminaire Flux	510 lm	Luminaire Power	10.0 W	Efficacy	50.956 lm/W	Efficiency	100.00%
Source Flux	510 lm	Maximum value	135.01 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical



Chromatic Coordinates (a', b') 99 CES



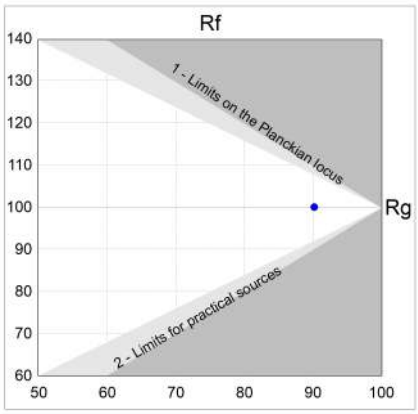
Color Vector Graphic



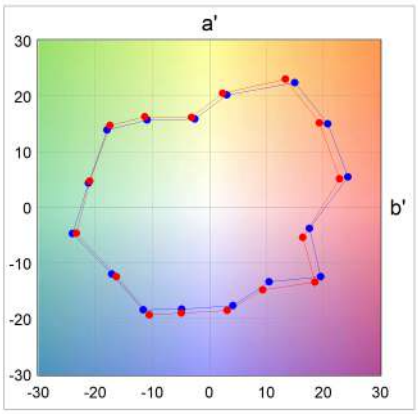
Color Distorsion Graphic



Rg vs Rf Plot



Gamut Polygon



Bin Deviation

