Luminaire

Code	AC37500x
Name	OPTICAL GROUP BIRDIE 2,7W
Line	

Measurem.

Code	CL092A25D001GP
Name	OPTICAL GROUP BIRDIE 2,7W

Source Data

Code	CL092A25D001GP	Correlated Color Temperature (CCT)	2733K	Q.ty	1
Name	SPMWH3326MS7WZW3SD	Color rendering index (CRI)	92		
Line					

Measurement data

Coordinate system	CG	Symmetry Type	Sym. on planes 270-90
Date	15-01-2025	Maximum Gamma Angle	90°
Measurement Distance	6.44m	Measurement Flux	191.6 lm
Maximum	1694.04 cd/klm	Position	C=285.0° G=5.0°
Remarks	RM24121604		

Electrical Parameters

Channel 1		Channel 2	
Voltage	24.16 V	Voltage	0.00 V
Current	0.11 A	Current	0.00 A
Power	2.75 W	Power	0.00 W
Frequency	0 Hz	Frequency	0 Hz
Power Factor	1.00	Power Factor	0.00

Environmental Parameters

Temperature	24.3 °C	Air Speed	0.0 m/s
Humidity	16.3 %		

Luminaire Dimensions

Rectangular Luminaire	Length	90 mm	Width	45 mm	Height	20 mm
Rectangular Luminous Area	Length	40 mm	Width	30 mm	Height	0 mm

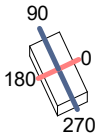
Horizontal Luminous Area	0.001200 m2	Emitting area on Plane 180°	0.000000 m2
Emitting area on Plane 0°	0.000000 m2	Emitting area on Plane 270°	0.000000 m2
Emitting area on Plane 90°	0.000000 m2	Glare area at 76°	0.000290 m2

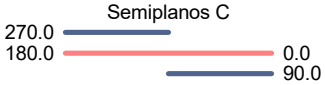
Photometric Assessment

Luminaire Flux	191.6 lm	Source Flux	191.6 lm
Efficacy	69.764 lm/W	Efficiency	100.0 %
CIE Flux Codes	90 97 99 100 100	D DIN 5040	A60
F UTE	1.00 A	B NBN	BZ 1

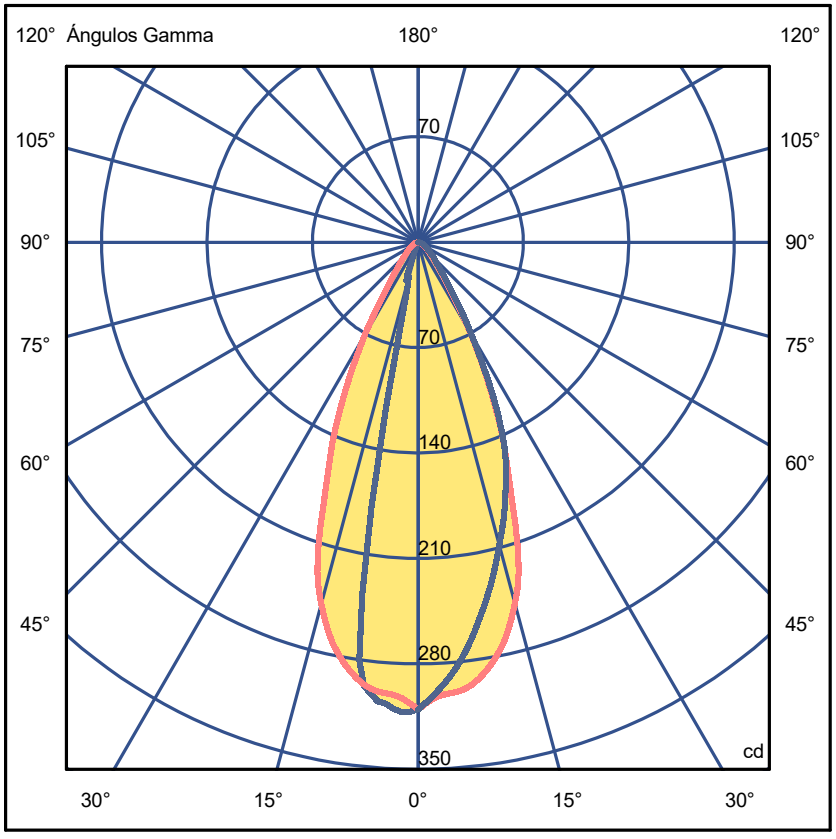


90mm x 45mm





ULOR 0.00 %
DLOR100.00 %
RN 0.00 %



Luminaire
Code AC37500x
Name OPTICAL GROUP BIRDIE 2,7W
Measurem.
Code CL092A25D001GP
Name OPTICAL GROUP BIRDIE 2,7W

Luminaire Flux	192 lm	Luminaire Power	2.7 W	Efficacy	69.764 lm/W	Efficiency	100.00%
Source Flux	192 lm	Maximum value	324.61 cd	Position	C=285.00 G=5.00	CG	Sym. on planes 270-90

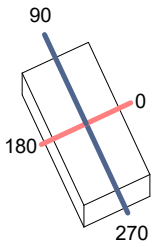
Luminous Intensity Table cd **Table 1/1**

	C 270.00	C 285.00	C 300.00	C 315.00	C 330.00	C 345.00	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	310	310	310	310	310	310	310	310	310	310	310	310	310
G 2.5	311	323	312	317	313	314	302	308	307	300	303	296	298
G 5.0	306	325	309	320	312	314	300	301	301	287	291	277	284
G 7.5	294	322	302	319	306	314	294	291	293	272	275	258	267
G 10.0	179	311	288	314	296	309	284	271	277	253	255	238	248
G 12.5	34	295	270	304	280	299	269	251	262	229	236	217	228
G 15.0	24	275	247	284	256	284	249	225	242	206	216	197	208
G 17.5	28	242	216	260	217	255	222	196	220	183	198	171	190
G 20.0	0	201	184	230	184	225	182	166	194	158	178	150	170
G 22.5	1	174	145	197	149	182	152	136	167	131	156	127	151
G 25.0	1	144	112	156	114	148	123	106	131	99	132	96	125
G 27.5	1	108	83	123	84	118	94	79	103	74	104	72	96
G 30.0	0	81	60	93	61	90	70	55	79	53	76	52	72
G 32.5	0	59	43	69	44	67	47	39	58	38	53	38	52
G 35.0	0	41	31	49	33	48	34	27	39	29	37	28	37
G 37.5	0	28	24	36	25	35	25	21	29	21	28	22	28
G 40.0	0	21	19	25	19	26	19	16	22	17	21	17	22
G 42.5	0	17	14	19	14	19	15	13	17	14	17	14	18
G 45.0	0	13	12	16	12	15	12	11	14	11	14	12	15
G 47.5	0	11	9	13	10	12	10	10	11	10	12	10	13
G 50.0	0	9	8	10	8	10	9	8	10	8	10	9	11
G 52.5	0	7	7	9	7	9	7	7	8	7	8	8	9
G 55.0	1	6	6	8	6	7	7	6	7	6	7	7	8
G 57.5	0	5	5	7	5	6	5	5	6	6	6	6	7
G 60.0	0	4	4	6	5	6	5	4	5	5	6	5	6
G 62.5	0	3	4	5	4	5	4	4	5	4	5	5	6
G 65.0	0	3	3	4	3	4	4	3	4	3	4	4	5
G 67.5	0	3	3	3	3	3	3	3	3	3	4	3	4
G 70.0	0	2	2	3	2	3	3	2	3	2	3	3	4
G 72.5	0	2	2	2	2	2	2	2	2	2	3	3	3
G 75.0	0	1	1	2	1	2	2	2	2	2	2	2	3
G 77.5	0	1	1	1	1	2	2	1	2	1	2	2	2
G 80.0	0	1	1	1	1	1	1	1	1	1	1	1	2
G 82.5	0	1	1	1	1	1	1	1	1	1	1	1	1
G 85.0	0	1	1	1	1	1	1	1	1	1	1	1	1
G 87.5	0	1	1	1	1	1	1	1	1	1	1	1	1
G 90.0	1	1	0	1	1	1	1	1	1	1	1	1	1

Luminaire
Code AC37500x
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Measurem.
Code CL092A25D001GP
Name OPTICAL GROUP BIRDIE 2,7W

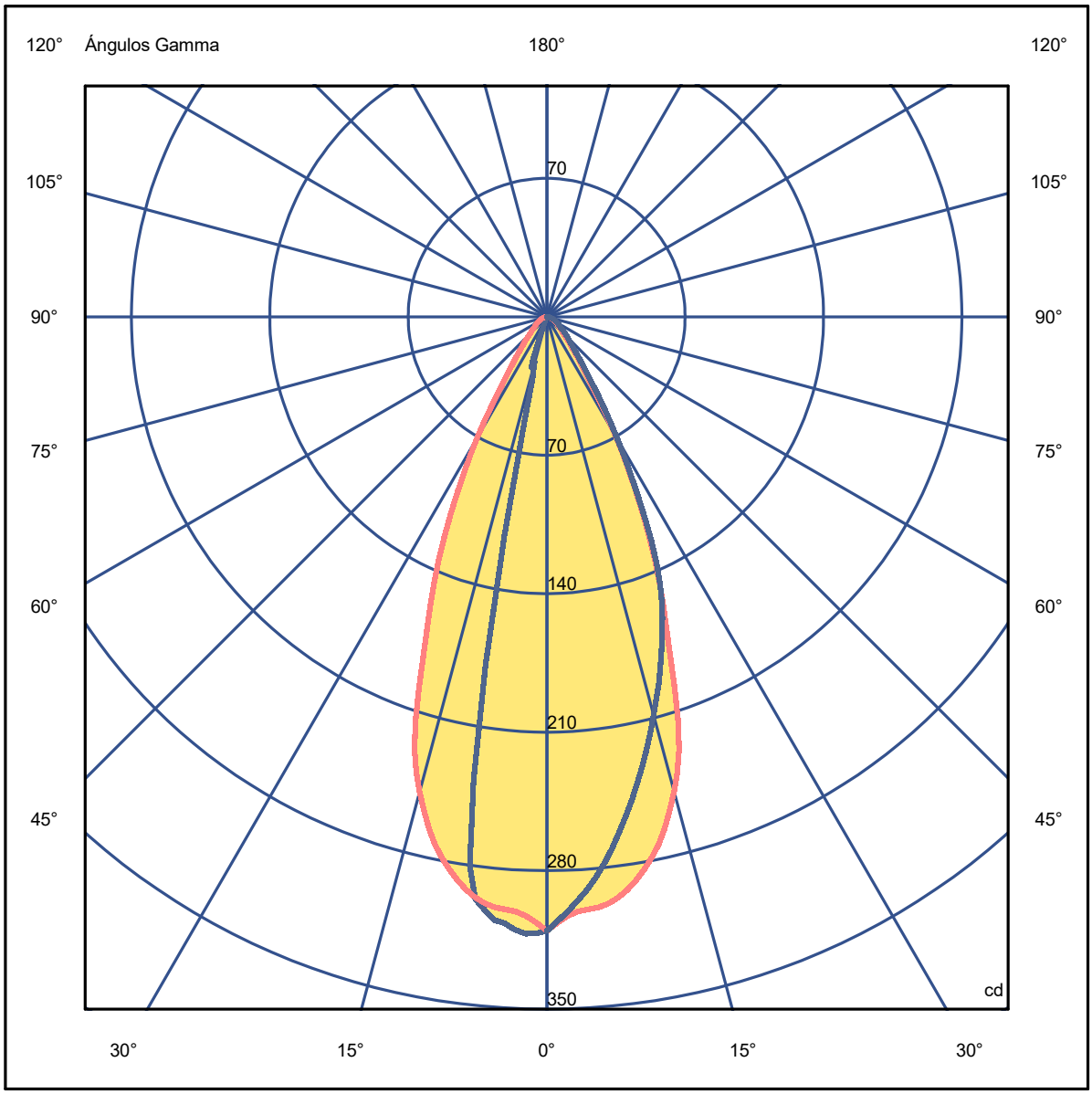
Luminaire Flux	192 lm	Luminaire Power	2.7 W	Efficacy	69.764 lm/W	Efficiency	100.00%
Source Flux	192 lm	Maximum value	324.61 cd	Position	C=285.00 G=5.00	CG	Sym. on planes 270-90

90mm x 45mm



Semiplanos C





Luminaire
Code AC37500x
Name OPTICAL GROUP BIRDIE 2,7W
Measurem.
Code CL092A25D001GP
Name OPTICAL GROUP BIRDIE 2,7W

Luminaire Flux	192 lm	Luminaire Power	2.7 W	Efficacy	69.764 lm/W	Efficiency	100.00%
Source Flux	192 lm	Maximum value	324.61 cd	Position	C=285.00 G=5.00	CG	Sym. on planes 270-90

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	17.1	17.8	17.3	18.0	18.2	16.2	17.0	16.5	17.2	17.4
x=2H y=3H	17.6	18.3	17.9	18.5	18.8	16.5	17.2	16.8	17.4	17.7
x=2H y=4H	17.8	18.5	18.1	18.7	19.0	16.5	17.2	16.9	17.4	17.7
x=2H y=6H	18.1	18.7	18.4	18.9	19.2	16.6	17.2	16.9	17.5	17.8
x=2H y=8H	18.1	18.7	18.5	19.0	19.3	16.6	17.2	17.0	17.5	17.8
x=2H y=12H	18.2	18.8	18.6	19.1	19.4	16.7	17.2	17.0	17.5	17.8
x=4H y=2H	17.2	17.9	17.6	18.1	18.4	16.5	17.2	16.8	17.4	17.7
x=4H y=3H	17.9	18.5	18.3	18.8	19.1	16.9	17.5	17.3	17.8	18.1
x=4H y=4H	18.3	18.8	18.7	19.1	19.4	17.1	17.5	17.4	17.9	18.2
x=4H y=6H	18.6	19.0	19.0	19.4	19.8	17.2	17.6	17.6	18.0	18.4
x=4H y=8H	18.7	19.1	19.2	19.5	19.9	17.3	17.7	17.7	18.0	18.4
x=4H y=12H	18.9	19.2	19.3	19.6	20.0	17.4	17.7	17.8	18.1	18.5
x=8H y=4H	18.4	18.7	18.8	19.1	19.5	17.2	17.6	17.6	18.0	18.4
x=8H y=6H	18.8	19.1	19.3	19.5	19.9	17.5	17.7	17.9	18.1	18.6
x=8H y=8H	19.0	19.3	19.5	19.7	20.2	17.6	17.8	18.1	18.3	18.7
x=8H y=12H	19.3	19.5	19.8	20.0	20.4	17.8	18.0	18.3	18.4	18.9
x=12H y=4H	18.4	18.7	18.8	19.1	19.5	17.2	17.5	17.7	17.9	18.3
x=12H y=6H	18.8	19.1	19.3	19.5	20.0	17.5	17.7	18.0	18.2	18.6
x=12H y=8H	19.1	19.3	19.6	19.8	20.3	17.7	17.9	18.2	18.3	18.8

Luminaire
Code AC37500x
Name OPTICAL GROUP BIRDIE 2,7W
Measurem.
Code CL092A25D001GP
Name OPTICAL GROUP BIRDIE 2,7W

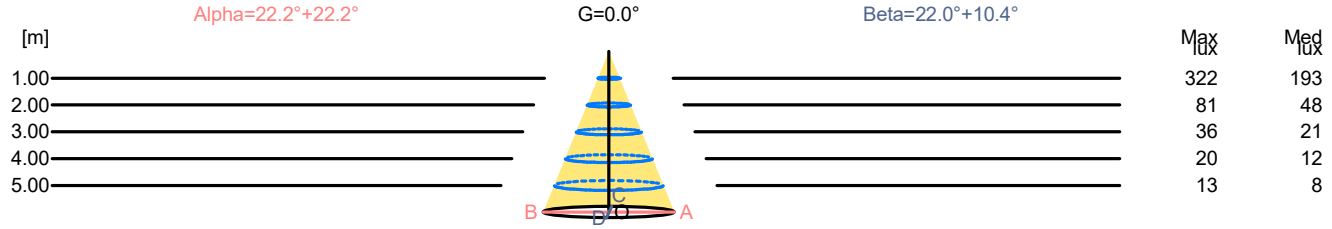
Luminaire Flux	192 lm	Luminaire Power	2.7 W	Efficacy	69.764 lm/W	Efficiency	100.00%
Source Flux	192 lm	Maximum value	324.61 cd	Position	C=285.00 G=5.00	CG	Sym. on planes 270-90

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	0.41	0.82	1.22	1.63	2.04	OC	0.40	0.81	1.21	1.62	2.02
OB	0.41	0.82	1.22	1.63	2.04	OD	0.18	0.37	0.55	0.73	0.91

Luminous Intensities [cd]

	0	5	15	25	35	45	55	65	75	85
OA	310.30	299.59	248.50	122.54	33.64	11.86	6.54	3.65	1.85	0.74
OB	310.30	299.59	248.50	122.54	33.64	11.86	6.54	3.65	1.85	0.74
OC	310.30	284.48	208.40	125.28	37.31	15.15	8.02	4.89	2.78	1.19
OD	310.30	306.08	23.52	0.58	0.45	0.45	0.53	0.49	0.45	0.49



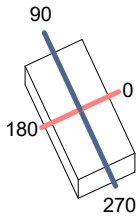
H[m]	D[m]	Max lux	Med lux	Alpha=22.2°+22.2° G=0.0
1.00	0.82	322	193	
2.00	1.63	81	48	
3.00	2.45	36	21	
4.00	3.26	20	12	
5.00	4.08	13	8	

H[m]	D[m]	Max lux	Med lux	Beta=10.4°+22.0° G=0.0
1.00	0.59	322	193	
2.00	1.17	81	48	
3.00	1.76	36	21	
4.00	2.35	20	12	
5.00	2.93	13	8	

Luminaire
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Measurem.
Code CL092A25D001GP
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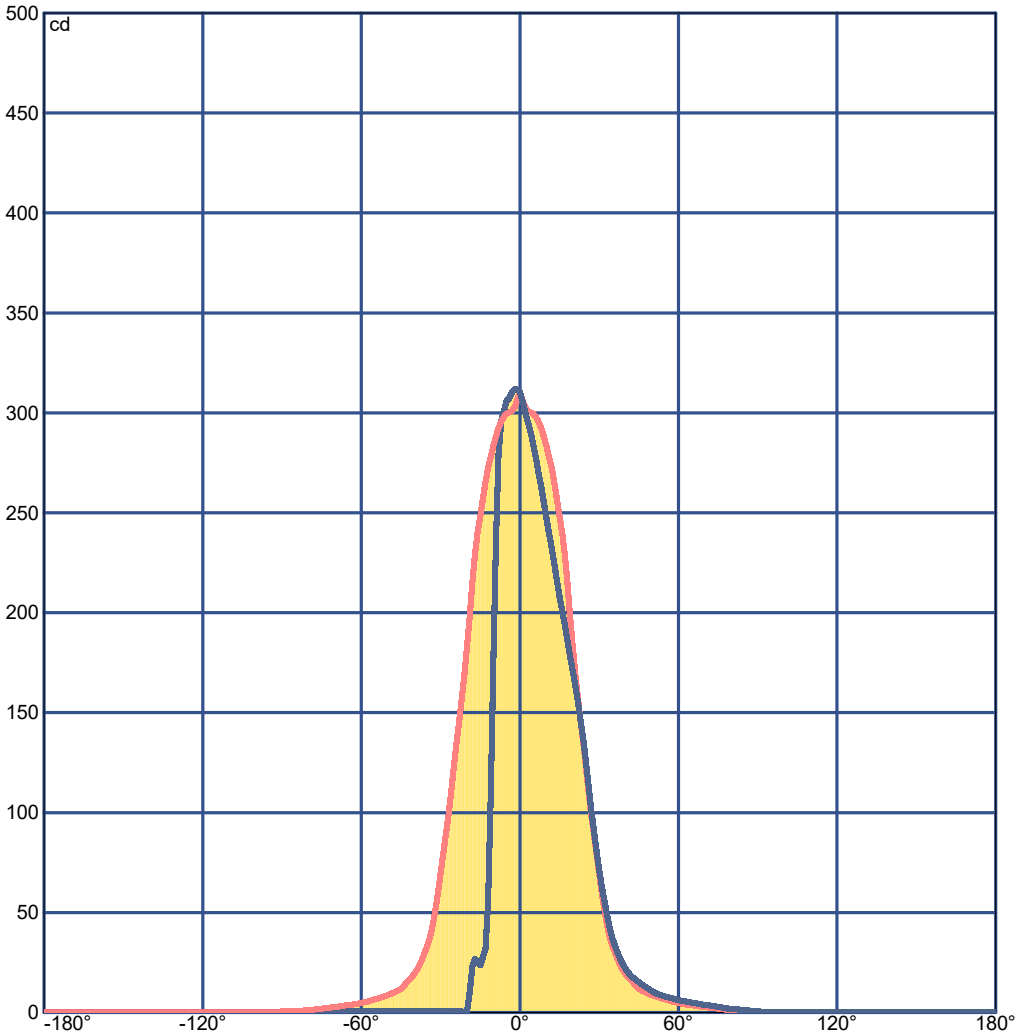
Luminaire Flux	192 lm	Luminaire Power	2.7 W	Efficacy	69.764 lm/W	Efficiency	100.00%
Source Flux	192 lm	Maximum value	324.61 cd	Position	C=285.00 G=5.00	CG	Sym. on planes 270-90

90mm x 45mm



Semiplanos C





Luminaire
Code AC37500x
Name OPTICAL GROUP BIRDIE 2,7W
Measurem.
Code CL092A25D001GP
Name OPTICAL GROUP BIRDIE 2,7W

Luminaire Flux	192 lm	Luminaire Power	2.7 W	Efficacy	69.764 lm/W	Efficiency	100.00%
Source Flux	192 lm	Maximum value	324.61 cd	Position	C=285.00 G=5.00	CG	Sym. on planes 270-90

Flujo Total=191.62 Flujo Luminaria=191.62

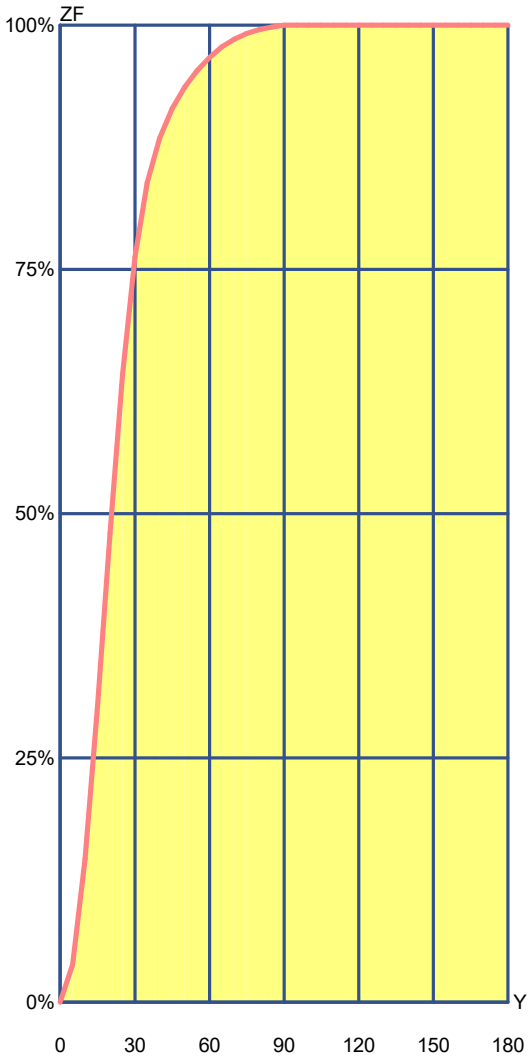
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.65	0.71	0.76	0.80	0.83	0.88	0.92	0.94	0.96	0.97	1.00	1.01
RC	-	-	-	-	-	-	-	-	-	-	-	-

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)	147	480	763	884	936	967	986	995	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

Códigos de Flujo C.I.E.
90 97 99 100 100

C.I.E.	-/-/-/-/-/-/-/-/-/-/-	LOR	100.00000 %
D DIN 5040	A60	ULOR	0.00000 %
F UTE	1.00 A	DLOR	100.00000 %
B NBN	BZ 1	UFF	0.00000 %
RN	0.00000 %	DFF	100.00000 %
BLF	1.0	FFR	0.00000 %



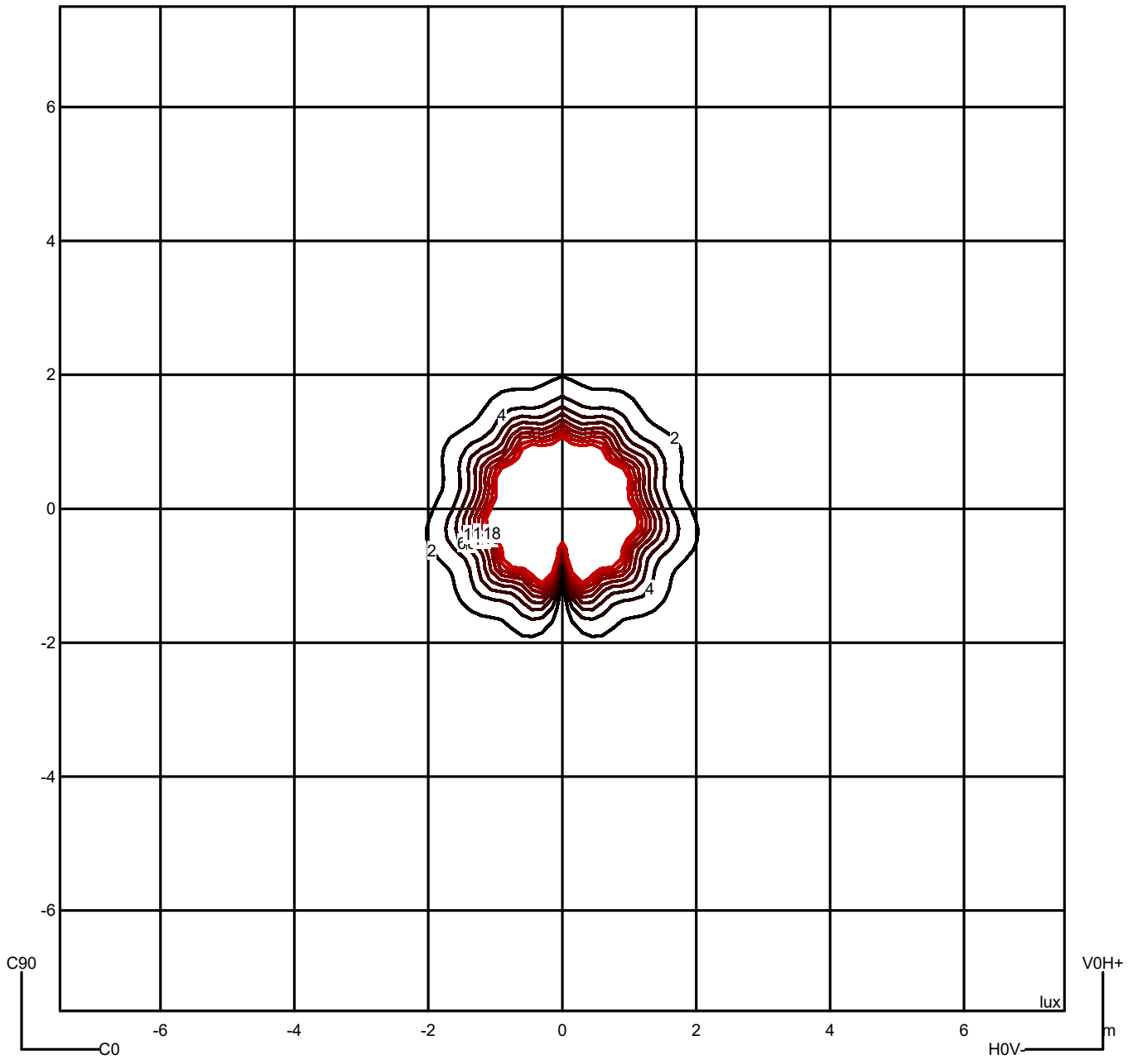
Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	38.23	38.23	3.82 %	3.82 %
10°	108.43	146.67	10.84 %	14.67 %
15°	156.63	303.29	15.66 %	30.33 %
20°	176.82	480.12	17.68 %	48.01 %
25°	162.00	642.12	16.20 %	64.21 %
30°	120.71	762.83	12.07 %	76.28 %
35°	75.88	838.71	7.59 %	83.87 %
40°	45.58	884.29	4.56 %	88.43 %
45°	30.05	914.34	3.00 %	91.43 %
50°	21.98	936.32	2.20 %	93.63 %
55°	17.09	953.41	1.71 %	95.34 %
60°	13.56	966.96	1.36 %	96.70 %
65°	10.54	977.51	1.05 %	97.75 %
70°	8.04	985.54	0.80 %	98.55 %
75°	5.82	991.37	0.58 %	99.14 %
80°	3.97	995.34	0.40 %	99.53 %
85°	2.71	998.04	0.27 %	99.80 %
90°	1.96	1000.00	0.20 %	100.00 %
95°	0.00	1000.00	0.00 %	100.00 %
100°	0.00	1000.00	0.00 %	100.00 %
105°	0.00	1000.00	0.00 %	100.00 %
110°	0.00	1000.00	0.00 %	100.00 %
115°	0.00	1000.00	0.00 %	100.00 %
120°	0.00	1000.00	0.00 %	100.00 %
125°	0.00	1000.00	0.00 %	100.00 %
130°	0.00	1000.00	0.00 %	100.00 %
135°	0.00	1000.00	0.00 %	100.00 %
140°	0.00	1000.00	0.00 %	100.00 %
145°	0.00	1000.00	0.00 %	100.00 %
150°	0.00	1000.00	0.00 %	100.00 %
155°	0.00	1000.00	0.00 %	100.00 %
160°	0.00	1000.00	0.00 %	100.00 %
165°	0.00	1000.00	0.00 %	100.00 %
170°	0.00	1000.00	0.00 %	100.00 %
175°	0.00	1000.00	0.00 %	100.00 %
180°	0.00	1000.00	0.00 %	100.00 %

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Source Flux	192 lm	Maximum value	324.61 cd	Position	C=285.00 G=5.00	CG	Sym. on planes 270-90

Isolux (Floor)

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



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Luminaire Flux	192 lm	Luminaire Power	2.7 W	Efficacy	69.764 lm/W	Efficiency	100.00%
Source Flux	192 lm	Maximum value	324.61 cd	Position	C=285.00 G=5.00	CG	Sym. on planes 270-90

Spectral Data

Std.: No import standard

CIE1931	x =0.458072	y =0.411610
CIE1960	u =0.260891	v =0.351644
CIE1976	u'=0.260891	v'=0.527467
D(u,v)	0.00053	

Color rendering index (CRI)
Color Rendering Components

CCT = [2733 K]*

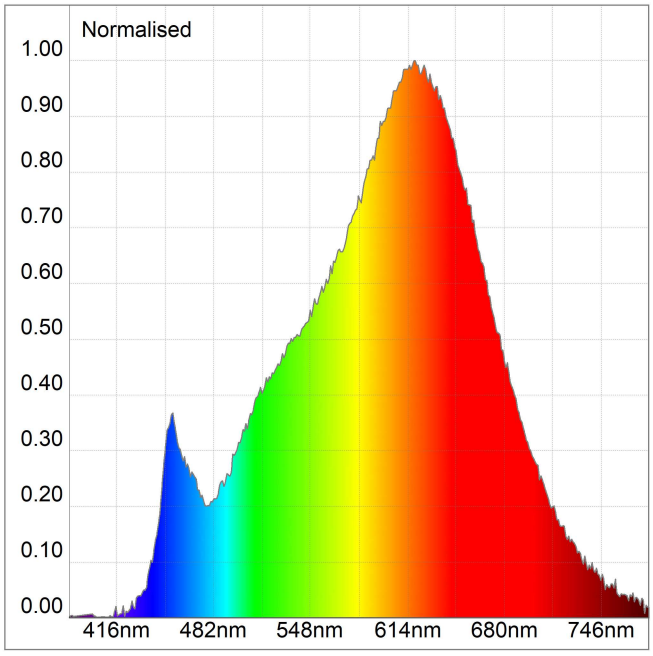
CRI8(Ra) [92.5]* CRI15(Rav) [89.9]*

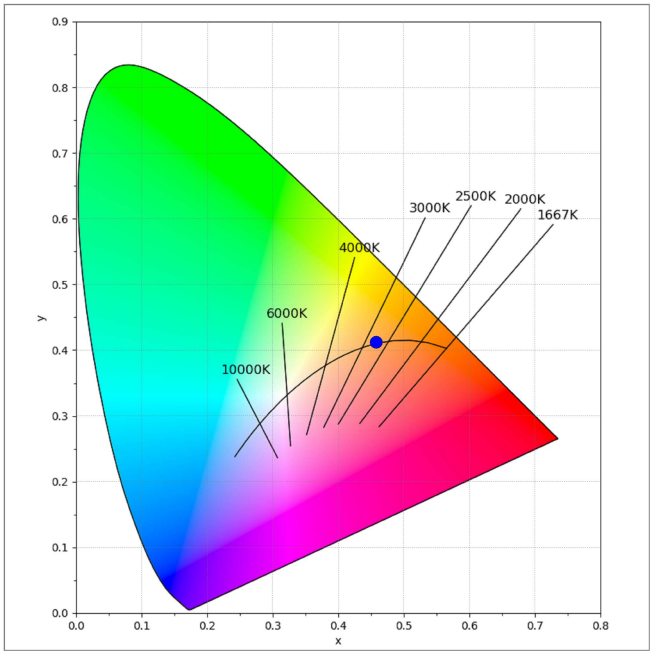
R 1: 92.9	R 2: 97.5	R 3: 98.4	R 4: 92.4	R 5: 92.9
R 6: 97.3	R 7: 90.1	R 8: 78.8	R 9: 54.7	R10: 93.4
R11: 94.1	R12: 84.2	R13: 94.3	R14: 99.8	R15: 87.7

Spectral Distribution

l(nm)	Normalised	l(nm)	Normalised	l(nm)	Normalised
383.0	0.000814	389.0	0.003191	395.0	0.005202
401.0	0.002465	407.0	0.001744	413.0	0.001062
419.0	0.007419	425.0	0.016589	431.0	0.039690
437.0	0.078295	443.0	0.148837	449.0	0.308527
455.0	0.349612	461.0	0.281395	467.0	0.262016
473.0	0.215504	479.0	0.201550	485.0	0.221705
491.0	0.258915	497.0	0.296124	503.0	0.334884
509.0	0.372093	515.0	0.403101	521.0	0.428682
527.0	0.452713	533.0	0.493023	539.0	0.508527
545.0	0.528682	551.0	0.572868	557.0	0.584496
563.0	0.617829	569.0	0.656589	575.0	0.707752
581.0	0.757364	587.0	0.806202	593.0	0.844961
599.0	0.891473	605.0	0.945736	611.0	0.968992
617.0	0.984496	623.0	0.976744	629.0	0.961240
635.0	0.953488	641.0	0.899225	647.0	0.844961
653.0	0.775194	659.0	0.710078	665.0	0.638760
671.0	0.576744	677.0	0.510853	683.0	0.458140
689.0	0.393023	695.0	0.330233	701.0	0.286047
707.0	0.247287	713.0	0.196899	719.0	0.165116
725.0	0.146512	731.0	0.116279	737.0	0.098450
743.0	0.081395	749.0	0.069457	755.0	0.060155
761.0	0.043101	767.0	0.041008	773.0	0.031163
779.0	0.019380				

Spectrum Graph

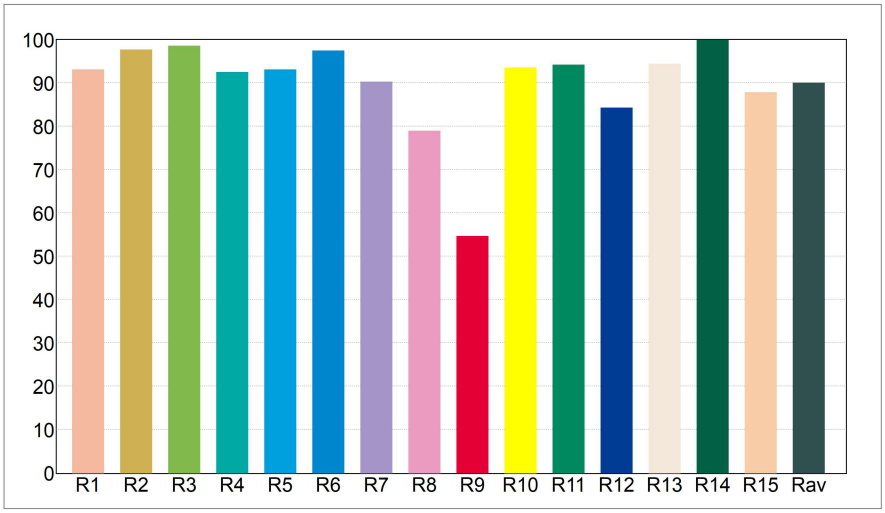


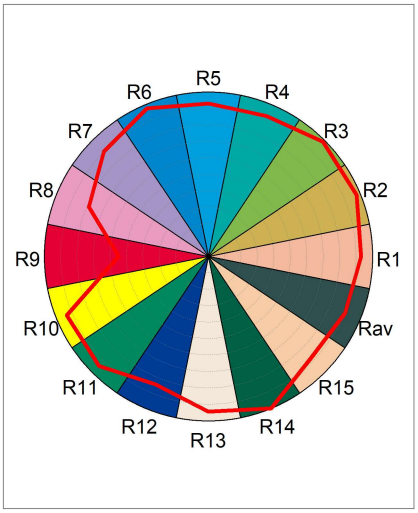


Luminaire
Code AC37500x
Name OPTICAL GROUP BIRDIE 2,7W
Measurem.
Code CL092A25D001GP
Name OPTICAL GROUP BIRDIE 2,7W

Luminaire Flux	192 lm	Luminaire Power	2.7 W	Efficacy	69.764 lm/W	Efficiency	100.00%
Source Flux	192 lm	Maximum value	324.61 cd	Position	C=285.00 G=5.00	CG	Sym. on planes 270-90

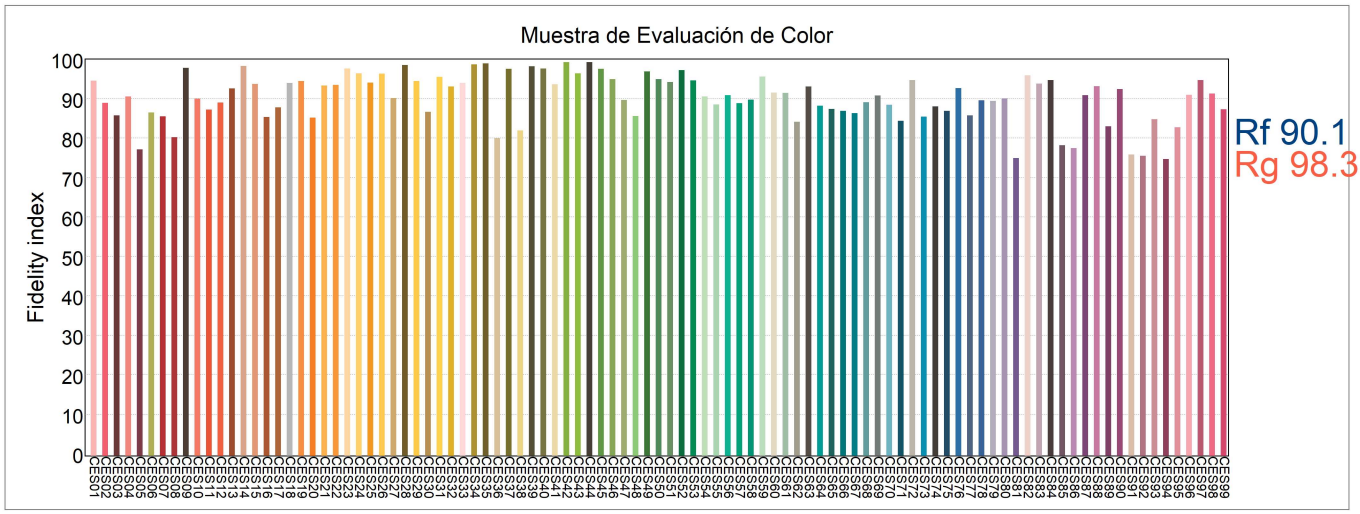
CRI Graphs



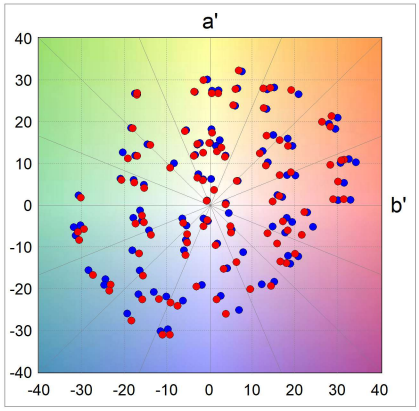


Luminaire
Code AC37500x
Name OPTICAL GROUP BIRDIE 2,7W
Measurem.
Code CL092A25D001GP
Name OPTICAL GROUP BIRDIE 2,7W

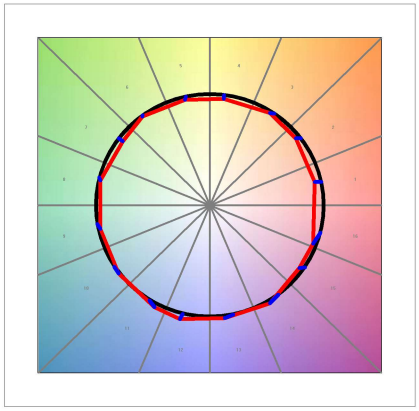
Luminaire Flux	192 lm	Luminaire Power	2.7 W	Efficacy	69.764 lm/W	Efficiency	100.00%
Source Flux	192 lm	Maximum value	324.61 cd	Position	C=285.00 G=5.00	CG	Sym. on planes 270-90



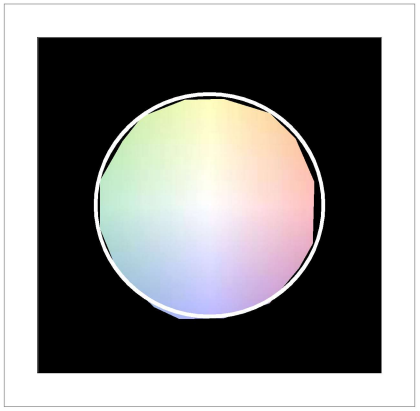
Chromatic Coordinates (a', b') 99 CES



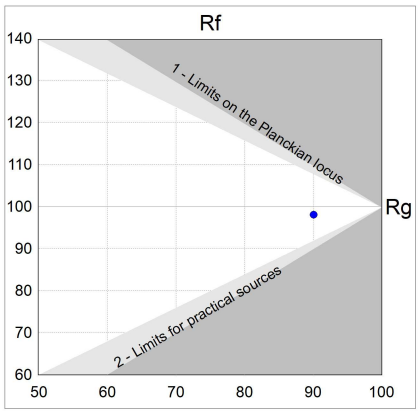
Color Vector Graphic



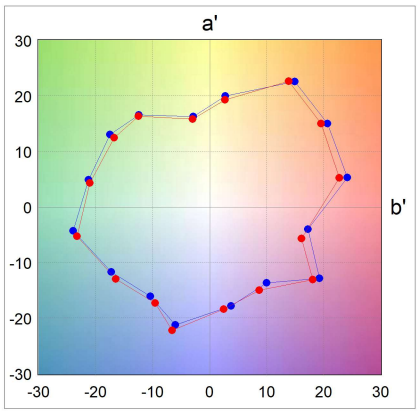
Color Distorsion Graphic



Rg vs Rf Plot



Gamut Polygon



Bin Deviation

