bover
barcelona lights

Luminaire		Measurem.		Lamp	
Code	33502100xxU+P802	Code	33502202xx+P802	Code	49885
Name	GAROTA-PF/02 2x20W CFL brown	Name	GAROTA-S/02 2x20W CFL brown	Number	2
Line	- BOVER	Date	07-01-2016	Position	Universal

Luminaire Flux	428.09 lm	Luminaire Power	40.00 W	Efficacy	10.70 lm/W	Efficiency	17.84%
Lamps Flux	2400.00 lm	Maximum value	84.65 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

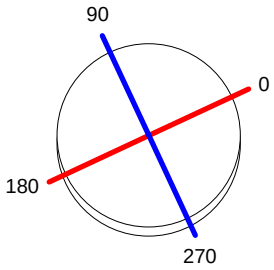
Round Luminaire	Diam. 720 mm		Height 460 mm		
Round Luminous Area	Diam. 720 mm		Height 460 mm		
Horizontal Luminous Area	0.407150 m2		Emitting area on Plane 180°	0.331200 m2	
Emitting area on Plane 0°	0.331200 m2		Emitting area on Plane 270°	0.331200 m2	
Emitting area on Plane 90°	0.331200 m2		Glare area at 76°	0.419861 m2	
Coordinate system	CG		Symmetry Type	Double Symmetrical	
Date	07-01-2016		Maximum Gamma Angle	180	
Measurement Distance	6.44		Measurement Flux	2488.00 lm	
Operator	Asselum T2		Source voltage		
Temperature	25.00 °C		Source current		
Humidity	55.00 %		Photocell	Prc	
Notes					

Luminaire Lamps

Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty
- BOVER	49885	FLE20TBX/2/SW/CD	1200.00	20.00	2

C.I.E.	63 83 92 82 18	D DIN 5040	B51
F UTE	0.15 C + 0.03 T	B NBN	BZ 2 / 0.6 / BZ 3 / 2 / BZ 4

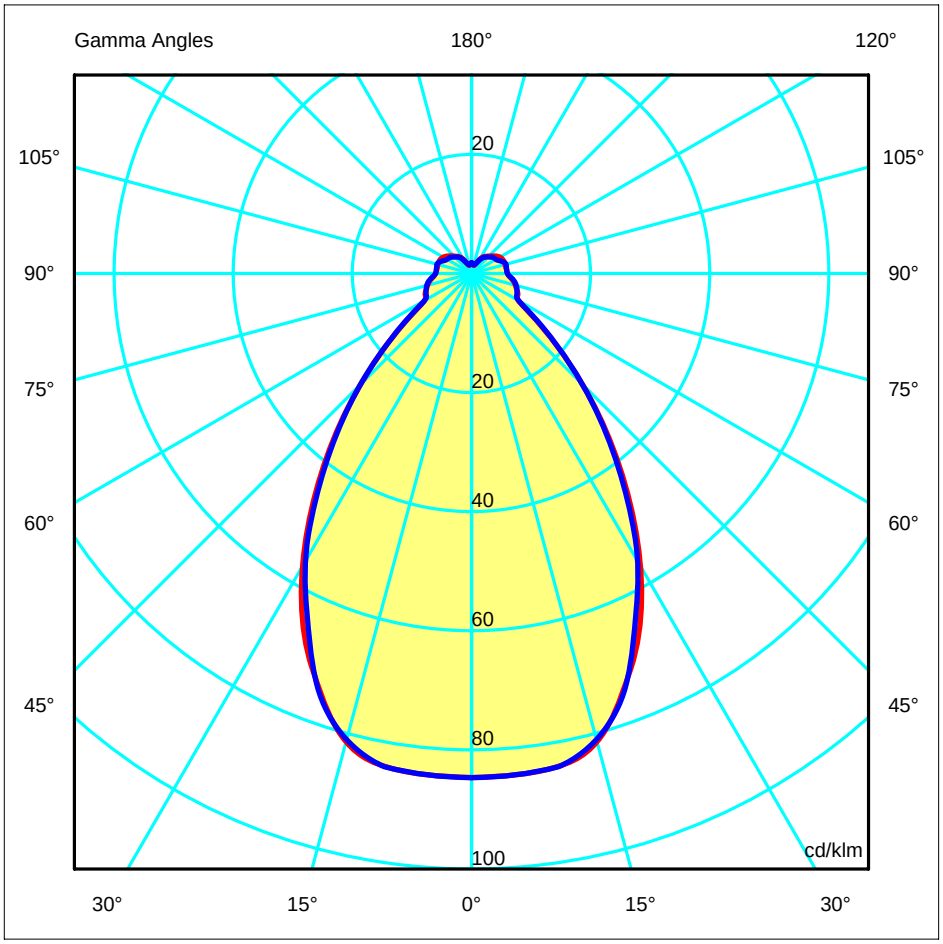
Diam=720mm



C Halfplanes

180.0 — 0.0

270.0 — 90.0



ULOR	3.14 %
DLOR	14.70 %
RN	17.61 %

bover
barcelona lights

Luminaire		Measurem.		Lamp	
Code	33502100xxU+P802	Code	33502202xx+P802	Code	49885
Name	GAROTA-PF/02 2x20W CFL brown	Name	GAROTA-S/02 2x20W CFL brown	Number	2
Line	- BOVER	Date	07-01-2016	Position	Universal

Luminaire Flux	428.09 lm	Luminaire Power	40.00 W	Efficacy	10.70 lm/W	Efficiency	17.84%
Lamps Flux	2400.00 lm	Maximum value	84.65 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

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

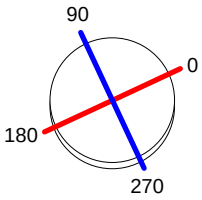
	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	84.65	84.65	84.65	84.65	84.65	84.65	84.65
G 5.0	84.49	84.46	84.54	84.54	84.52	84.53	84.54
G 10.0	84.05	83.93	83.93	84.13	83.97	84.16	84.09
G 15.0	81.43	81.40	81.28	81.69	81.14	81.84	81.00
G 20.0	74.51	74.38	74.63	74.60	74.41	74.77	74.82
G 25.0	66.59	66.49	66.43	66.38	66.04	65.61	64.96
G 30.0	56.68	56.60	56.36	55.91	55.52	55.45	55.75
G 35.0	46.06	46.00	45.93	45.83	45.50	44.95	45.17
G 40.0	35.80	35.79	35.82	35.58	35.45	35.16	35.26
G 45.0	26.36	26.50	26.48	26.35	26.31	26.42	26.36
G 50.0	18.54	18.77	18.82	18.96	18.99	18.56	18.59
G 55.0	12.55	12.78	12.88	12.61	12.60	12.48	12.89
G 60.0	9.11	9.47	9.51	9.28	9.51	8.72	9.16
G 65.0	8.58	8.73	8.95	8.92	8.73	8.47	8.40
G 70.0	8.12	8.41	8.63	8.68	8.50	8.25	8.10
G 75.0	7.64	8.02	8.25	8.41	8.19	7.95	7.79
G 80.0	7.12	7.60	7.80	8.04	7.79	7.54	7.29
G 85.0	6.45	6.97	7.21	7.54	7.23	6.96	6.54
G 90.0	6.05	6.51	6.70	7.04	6.73	6.47	6.02
G 95.0	5.91	6.33	6.44	6.75	6.50	6.31	5.94
G100.0	5.83	6.31	6.42	6.76	6.46	6.37	5.95
G105.0	5.87	6.34	6.50	6.88	6.47	6.38	6.00
G110.0	5.81	6.33	6.53	6.90	6.37	6.01	5.72
G115.0	5.74	6.16	6.38	6.71	6.20	5.81	5.12
G120.0	5.49	5.86	6.05	6.29	5.89	5.58	4.73
G125.0	5.07	5.43	5.57	5.80	5.40	5.23	4.58
G130.0	4.60	4.80	4.97	5.20	4.79	4.68	4.28
G135.0	4.12	4.18	4.29	4.40	4.15	4.07	3.93
G140.0	3.77	3.72	3.75	3.77	3.69	3.54	3.58
G145.0	3.40	3.25	3.12	3.03	3.11	3.28	3.25
G150.0	2.76	2.64	2.48	2.53	2.55	2.64	2.50
G155.0	1.96	1.95	1.96	1.95	2.05	1.97	1.99
G160.0	1.56	1.60	1.61	1.65	1.66	1.65	1.69
G165.0	1.44	1.47	1.46	1.47	1.49	1.50	1.52
G170.0	1.52	1.52	1.48	1.46	1.46	1.49	1.52
G175.0	1.64	1.63	1.60	1.56	1.58	1.58	1.62
G180.0	1.82	1.85	1.84	1.83	1.85	1.82	1.81

bover
barcelona lights

Luminaire		Measurem.		Lamp	
Code	33502100xxU+P802	Code	33502202xx+P802	Code	49885
Name	GAROTA-PF/02 2x20W CFL brown	Name	GAROTA-S/02 2x20W CFL brown	Number	2
Line	- BOVER	Date	07-01-2016	Position	Universal

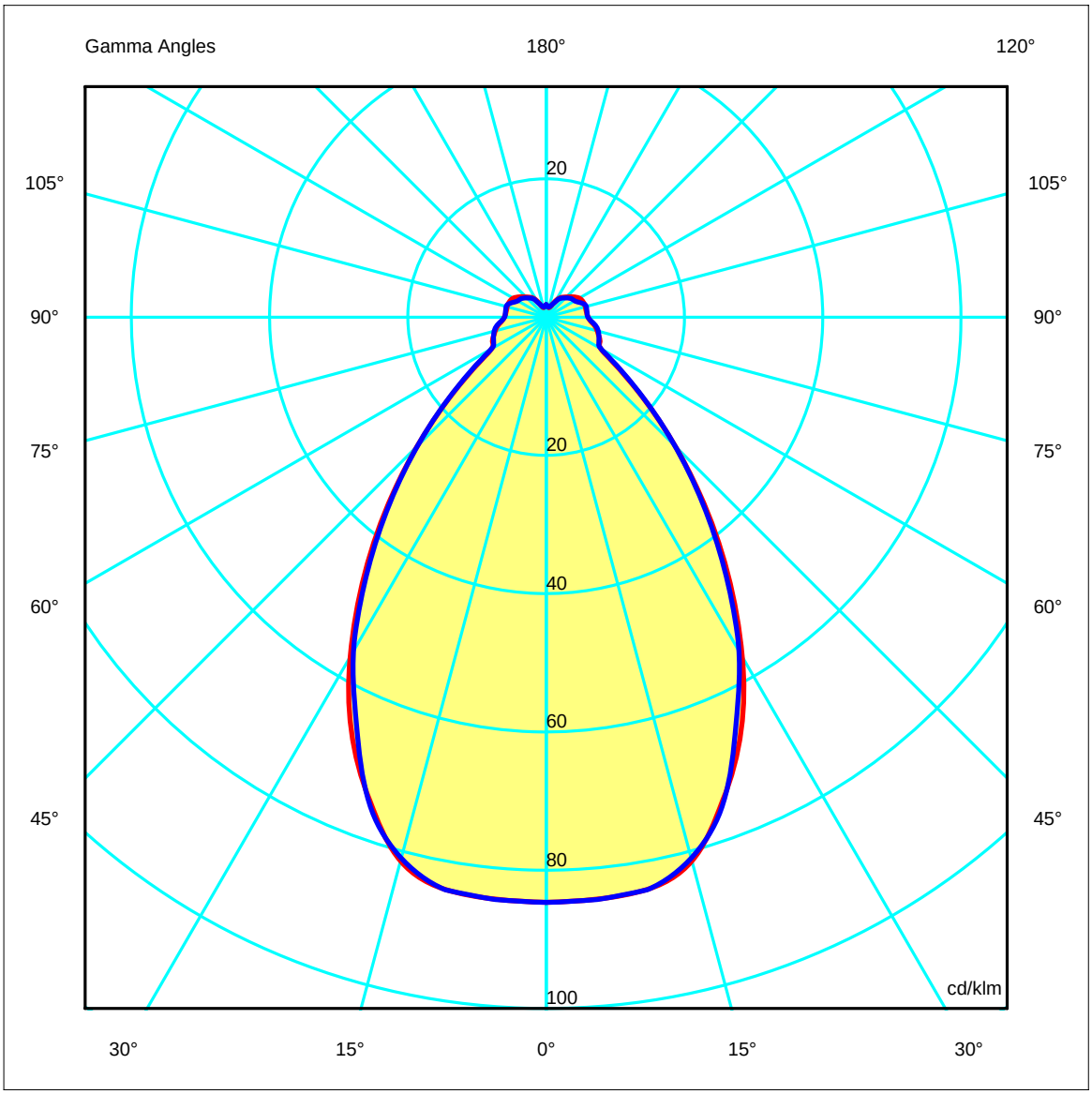
Luminaire Flux	428.09 lm	Luminaire Power	40.00 W	Efficacy	10.70 lm/W	Efficiency	17.84%
Lamps Flux	2400.00 lm	Maximum value	84.65 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=720mm



C Halfplanes



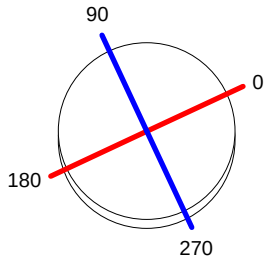


bover
barcelona lights

Luminaire		Measurem.		Lamp	
Code	33502100xxU+P802	Code	33502202xx+P802	Code	49885
Name	GAROTA-PF/02 2x20W CFL brown	Name	GAROTA-S/02 2x20W CFL brown	Number	2
Line	- BOVER	Date	07-01-2016	Position	Universal

Luminaire Flux	428.09 lm	Luminaire Power	40.00 W	Efficacy	10.70 lm/W	Efficiency	17.84%
Lamps Flux	2400.00 lm	Maximum value	84.65 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

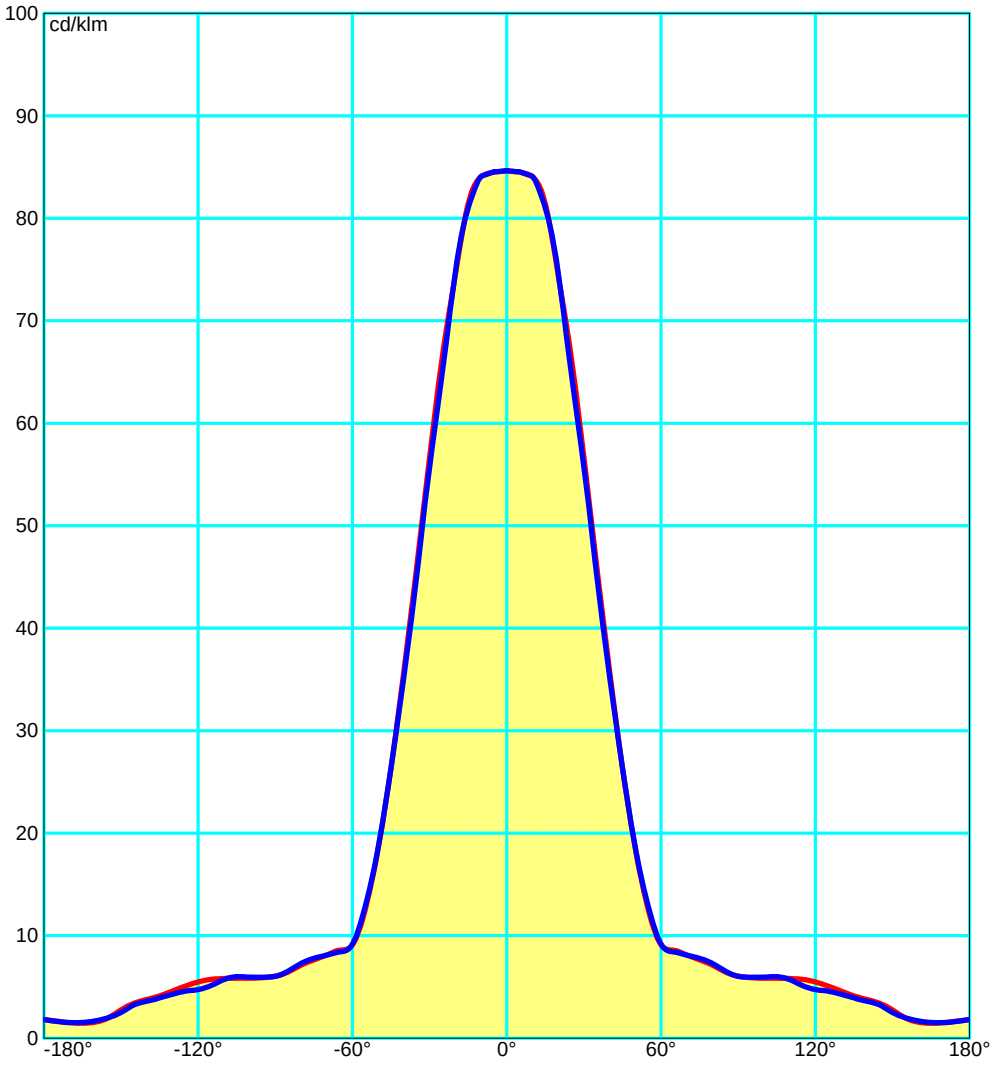
Diam=720mm



C Halfplanes

180.0 0.0

270.0 90.0



bover
barcelona lights

Luminaire		**Measurem.**		**Lamp**	
Code	33502100xxU+P802	Code	33502202xx+P802	Code	49885
Name	GAROTA-PF/02 2x20W CFL brown	Name	GAROTA-S/02 2x20W CFL brown	Number	2
Line	- BOVER	Date	07-01-2016	Position	Universal

Luminaire Flux	428.09 lm	Luminaire Power	40.00 W	Efficacy	10.70 lm/W	Efficiency	17.84%
Lamps Flux	2400.00 lm	Maximum value	84.65 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Total Flux=2400.00 Luminaire Flux=428.09

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	0.44	0.51	0.57	0.62	0.67	0.73	0.78	0.81	0.85	0.87	0.92	0.96
RC	3	3	3	3	3	3	4	4	4	4	5	5

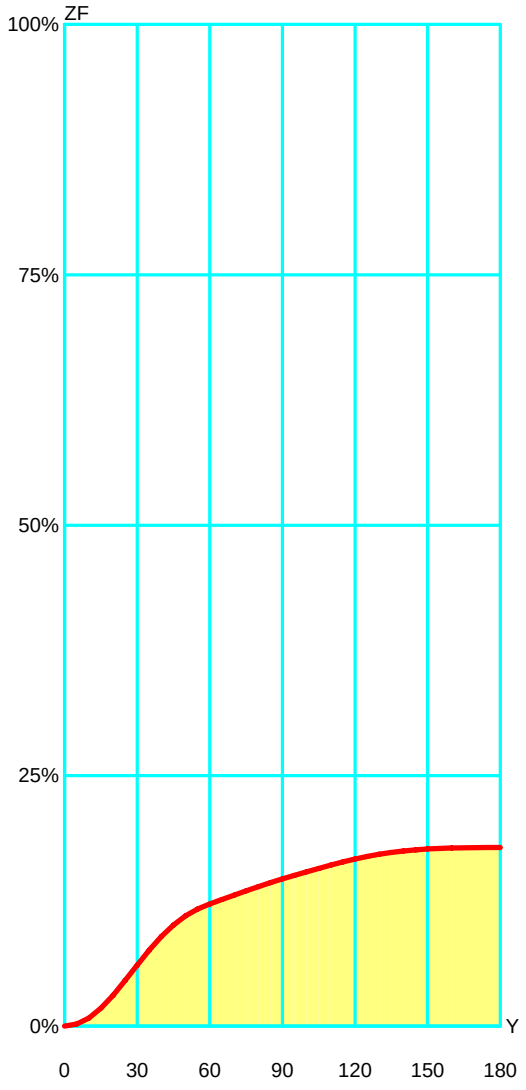
Zonal Flux per 1000 Lumen

Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	8	31	61	89	110	122	131	139	147	154	161	167	172	175	177	178	178	178

CIE Flux Codes

63 83 92 82 18

C.I.E.	3/3/3/3/3/3/4/4/4/4/5/5	LOR	17.83688 %
D DIN 5040	B51	ULOR	3.14158 %
F UTE	0.15 C + 0.03 T	DLOR	14.69531 %
B NBN	BZ 2 / 0.6 / BZ 3 / 2 / BZ 4	UFF	17.61281 %
RN	17.61281 %	DFF	82.38719 %
BLF	1.0	FFR	21.37809 %



Zonal Flux				
Gamma °	Flux	Sum lm	Flux [%]	Sum [%]
0°	0.00	0.00	0.00%	0.00 %
5°	2.02	2.02	1.13 %	1.13 %
10°	6.03	8.05	3.38 %	4.51 %
15°	9.81	17.87	5.50 %	10.02 %
20°	12.86	30.72	7.21 %	17.22 %
25°	14.76	45.48	8.27 %	25.50 %
30°	15.46	60.94	8.67 %	34.16 %
35°	14.97	75.90	8.39 %	42.55 %
40°	13.55	89.45	7.59 %	50.15 %
45°	11.47	100.92	6.43 %	56.58 %
50°	9.13	110.05	5.12 %	61.70 %
55°	6.84	116.89	3.83 %	65.53 %
60°	5.07	121.97	2.84 %	68.38 %
65°	4.37	126.34	2.45 %	70.83 %
70°	4.34	130.68	2.43 %	73.26 %
75°	4.32	135.00	2.42 %	75.68 %
80°	4.21	139.21	2.36 %	78.05 %
85°	4.00	143.22	2.24 %	80.29 %
90°	3.74	146.95	2.10 %	82.39 %
95°	3.55	150.50	1.99 %	84.38 %
100°	3.46	153.96	1.94 %	86.32 %
105°	3.42	157.38	1.92 %	88.24 %
110°	3.33	160.71	1.87 %	90.10 %
115°	3.15	163.86	1.76 %	91.87 %
120°	2.90	166.76	1.62 %	93.49 %
125°	2.58	169.34	1.45 %	94.94 %
130°	2.22	171.56	1.24 %	96.18 %
135°	1.82	173.38	1.02 %	97.20 %
140°	1.46	174.83	0.82 %	98.02 %
145°	1.15	175.98	0.64 %	98.66 %
150°	0.85	176.83	0.48 %	99.14 %
155°	0.58	177.41	0.32 %	99.46 %
160°	0.38	177.78	0.21 %	99.67 %
165°	0.26	178.04	0.14 %	99.82 %
170°	0.18	178.22	0.10 %	99.92 %
175°	0.11	178.33	0.06 %	99.98 %
180°	0.04	178.37	0.02 %	100.00 %

bover
barcelona lights

Luminaire		Measurem.		Lamp	
Code	33502100xxU+P802	Code	33502202xx+P802	Code	49885
Name	GAROTA-PF/02 2x20W CFL brown	Name	GAROTA-S/02 2x20W CFL brown	Number	2
Line	- BOVER	Date	07-01-2016	Position	Universal

Luminaire Flux	428.09 lm	Luminaire Power	40.00 W	Efficacy	10.70 lm/W	Efficiency	17.84%
Lamps Flux	2400.00 lm	Maximum value	84.65 cd/klm	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	ViewedCrosswise					ViewedEndwise				
x=2H y=2H	0.8	1.7	1.3	2.2	2.7	0.7	1.6	1.2	2.1	2.7
x=2H y=3H	1.7	2.6	2.2	3.1	3.6	1.6	2.4	2.1	3.0	3.6
x=2H y=4H	2.4	3.2	3.0	3.8	4.3	2.3	3.1	2.9	3.7	4.3
x=2H y=6H	3.1	3.9	3.7	4.5	5.0	3.0	3.9	3.6	4.4	5.0
x=2H y=8H	3.5	4.3	4.1	4.8	5.5	3.5	4.2	4.1	4.8	5.5
x=2H y=12H	3.9	4.6	4.5	5.1	5.8	3.8	4.6	4.5	5.1	5.8
x=4H y=2H	1.0	1.8	1.6	2.4	3.0	1.0	1.7	1.5	2.3	3.0
x=4H y=3H	2.3	3.0	3.0	3.6	4.1	2.2	2.9	2.9	3.5	4.1
x=4H y=4H	3.2	3.8	3.9	4.5	5.0	3.1	3.7	3.8	4.4	5.0
x=4H y=6H	4.2	4.7	4.9	5.4	6.1	4.1	4.7	4.8	5.3	6.1
x=4H y=8H	4.7	5.2	5.4	5.9	6.6	4.7	5.2	5.4	5.9	6.6
x=4H y=12H	5.2	5.7	5.9	6.3	7.0	5.2	5.6	5.9	6.3	7.0
x=8H y=4H	3.7	4.2	4.3	4.8	5.5	3.6	4.1	4.3	4.8	5.5
x=8H y=6H	4.9	5.3	5.6	6.0	6.8	4.8	5.2	5.5	6.0	6.8
x=8H y=8H	5.6	6.0	6.3	6.7	7.4	5.5	5.9	6.3	6.6	7.4
x=8H y=12H	6.2	6.6	7.0	7.2	8.0	6.2	6.5	6.9	7.2	8.0
x=12H y=4H	3.7	4.2	4.5	4.9	5.5	3.7	4.1	4.4	4.8	5.5
x=12H y=6H	5.1	5.5	5.8	6.2	6.9	5.1	5.4	5.8	6.1	6.9
x=12H y=8H	5.8	6.2	6.6	6.8	7.6	5.8	6.1	6.5	6.8	7.6

bover
barcelona lights

Luminaire		Measurem.		Lamp	
Code	33502100xxU+P802	Code	33502202xx+P802	Code	49885
Name	GAROTA-PF/02 2x20W CFL brown	Name	GAROTA-S/02 2x20W CFL brown	Number	2
Line	- BOVER	Date	07-01-2016	Position	Universal

Luminaire Flux	428.09 lm	Luminaire Power	40.00 W	Efficacy	10.70 lm/W	Efficiency	17.84%
Lamps Flux	2400.00 lm	Maximum value	84.65 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Utilizations CIE

Mounting Direct Normalization Normalised Suspension Ratio 0.3 Standard CIE Settings

Ceiling

K	8873	8773	8871	8771	7773	7771	7753	7553	7751	7551	7731	7331	7711	7111	5551	5531	5331	5511	5111	3331	3311	1111	0000
0.60	57	51	48	44	49	42	38	32	33	28	28	21	24	16	27	22	20	19	15	19	16	14	12
0.80	65	59	52	48	56	46	45	39	37	33	31	25	27	20	31	26	24	22	19	22	19	17	14
1.00	70	65	54	50	62	48	50	45	40	36	34	28	29	22	34	29	26	25	21	25	22	20	16
1.25	75	70	55	52	67	50	56	50	42	39	36	31	31	25	36	31	29	28	24	28	25	22	17
1.50	78	74	55	53	71	51	60	55	44	40	38	33	33	27	38	33	31	30	26	30	27	24	19
2.00	83	79	55	53	76	51	66	62	45	43	40	36	36	31	41	36	35	33	30	33	30	28	21
2.50	86	83	55	53	79	52	70	66	46	44	42	38	38	33	42	38	37	35	32	35	32	30	22
3.00	88	85	54	53	82	52	74	70	47	45	43	40	39	35	43	40	38	37	34	37	34	32	24
4.00	90	89	54	53	85	52	78	75	48	46	44	42	41	38	45	42	41	39	37	39	37	35	25
5.00	92	91	53	53	87	52	81	79	48	47	45	43	43	40	45	43	42	41	39	41	39	37	26
10.00	96	95	52	52	91	51	88	86	49	49	47	46	46	44	47	46	45	44	43	44	43	41	29
20.00	98	97	51	51	93	51	92	91	50	49	49	48	48	47	48	47	47	46	46	46	45	44	30

Wall

K	8873	8773	8871	8771	7773	7771	7753	7553	7751	7551	7731	7331	7711	7111	5551	5531	5331	5511	5111	3331	3311	1111	0000
0.60	69	66	58	56	65	55	51	48	44	42	37	34	32	29	41	35	34	30	29	33	29	28	25
0.80	79	76	64	62	73	60	60	57	50	48	43	40	38	35	47	40	39	36	34	38	34	33	29
1.00	85	82	68	66	79	64	66	63	54	52	48	44	42	39	50	44	43	40	38	42	38	36	32
1.25	91	88	71	69	85	67	72	69	58	56	52	49	47	43	54	48	47	44	42	45	41	40	34
1.50	96	93	73	71	89	69	77	74	61	59	55	52	50	47	56	51	50	47	45	48	44	42	37
2.00	102	99	75	73	94	71	84	81	64	63	59	56	54	51	59	55	54	51	49	51	48	45	39
2.50	105	103	76	75	98	72	89	86	66	65	62	59	58	55	61	57	56	54	52	53	50	48	41
3.00	108	106	76	75	100	73	92	89	68	66	64	61	60	57	62	59	58	56	54	55	52	49	42
4.00	113	111	79	78	105	75	98	96	71	70	68	66	64	62	66	63	62	60	59	58	56	53	45
5.00	117	115	81	80	109	78	103	101	74	73	71	69	68	66	68	66	65	63	62	61	59	56	47
10.00	127	126	88	87	119	84	115	114	82	82	80	79	78	77	76	75	74	73	72	70	68	64	55
20.00	134	133	92	92	126	89	124	123	88	87	87	86	85	85	82	81	81	80	80	76	75	70	61

Working Pl.

K	8873	8773	8871	8771	7773	7771	7753	7553	7751	7551	7731	7331	7711	7111	5551	5531	5331	5511	5111	3331	3311	1111	0000
0.60	112	109	105	102	107	100	90	88	87	85	78	75	71	68	83	75	74	69	68	73	68	67	64
0.80	129	125	118	116	122	113	105	102	100	97	91	87	83	80	95	87	86	81	79	84	79	77	75
1.00	142	138	129	126	134	124	117	114	111	108	102	98	94	91	105	97	96	91	89	94	88	86	84
1.25	154	150	139	136	145	133	129	125	121	118	112	108	105	101	114	107	105	101	99	103	97	95	92
1.50	163	159	145	143	153	139	138	134	129	126	120	116	113	108	121	114	113	108	106	109	104	101	98
2.00	176	173	155	153	166	149	152	149	140	137	132	128	126	121	132	125	124	120	118	120	115	111	108
2.50	184	182	161	159	174	155	162	158	147	145	140	137	134	130	138	133	131	128	126	127	123	118	114
3.00	191	188	165	164	180	159	169	166	152	150	146	143	141	137	143	138	137	134	132	132	128	123	119
4.00	198	196	170	169	187	164	178	175	158	157	153	150	149	145	149	145	144	141	139	137	134	128	125
5.00	203	201	173	172	191	167	184	181	162	161	158	155	154	151	153	149	148	146	144	141	139	132	128
10.00	214	213	180	179	202	174	197	195	171	170	168	167	166	164	161	159	158	157	155	150	148	140	136
20.00	220	219	183	183	207	178	205	204	176	176	174	174	173	172	166	164	164	163	163	155	154	145	141

LM53 SHR C0-C180: 1.052 SHR C90-C270: 1.030 SHR Square: 1.075

bover
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Luminaire		Measurem.		Lamp	
Code	33502100xxU+P802	Code	33502202xx+P802	Code	49885
Name	GAROTA-PF/02 2x20W CFL brown	Name	GAROTA-S/02 2x20W CFL brown	Number	2
Line	- BOVER	Date	07-01-2016	Position	Universal

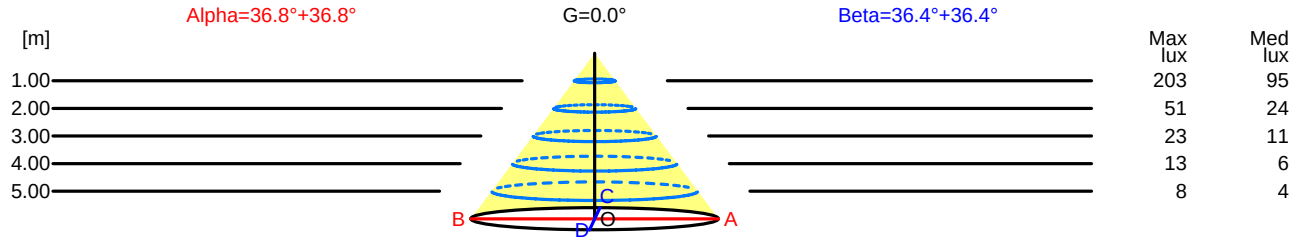
Luminaire Flux	428.09 lm	Luminaire Power	40.00 W	Efficacy	10.70 lm/W	Efficiency	17.84%
Lamps Flux	2400.00 lm	Maximum value	84.65 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Width at 50.00 % of Max Intensity

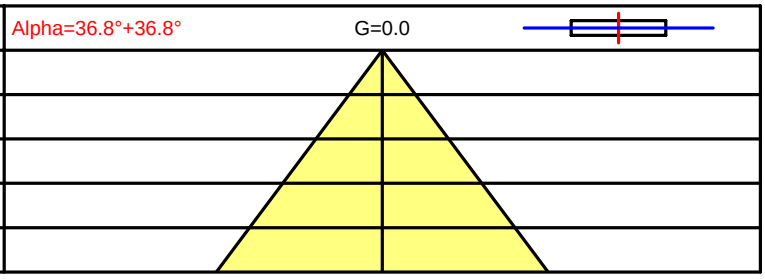
H[m]	1.00	2.00	3.00	4.00	5.00	H[m]	1.00	2.00	3.00	4.00	5.00
OA	0.75	1.50	2.24	2.99	3.74	OC	0.74	1.47	2.21	2.95	3.68
OB	0.75	1.50	2.24	2.99	3.74	OD	0.74	1.47	2.21	2.95	3.68

Luminous Intensities [cd/klm]

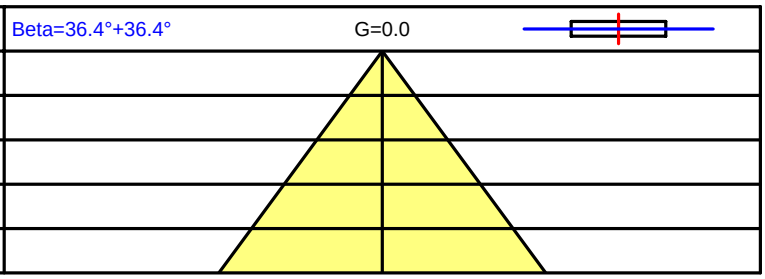
	0	5	15	25	35	45	55	65	75	85
OA	203.16	202.78	195.43	159.81	110.55	63.26	30.12	20.58	18.33	15.48
OB	203.16	202.78	195.43	159.81	110.55	63.26	30.12	20.58	18.33	15.48
OC	203.16	202.90	194.41	155.90	108.42	63.27	30.95	20.17	18.69	15.70
OD	203.16	202.90	194.41	155.90	108.42	63.27	30.95	20.17	18.69	15.70



H[m]	D[m]	Max lux	Med lux
1.00	1.50	203	95
2.00	2.99	51	24
3.00	4.49	23	11
4.00	5.98	13	6
5.00	7.48	8	4



H[m]	D[m]	Max lux	Med lux
1.00	1.47	203	95
2.00	2.95	51	24
3.00	4.42	23	11
4.00	5.89	13	6
5.00	7.37	8	4



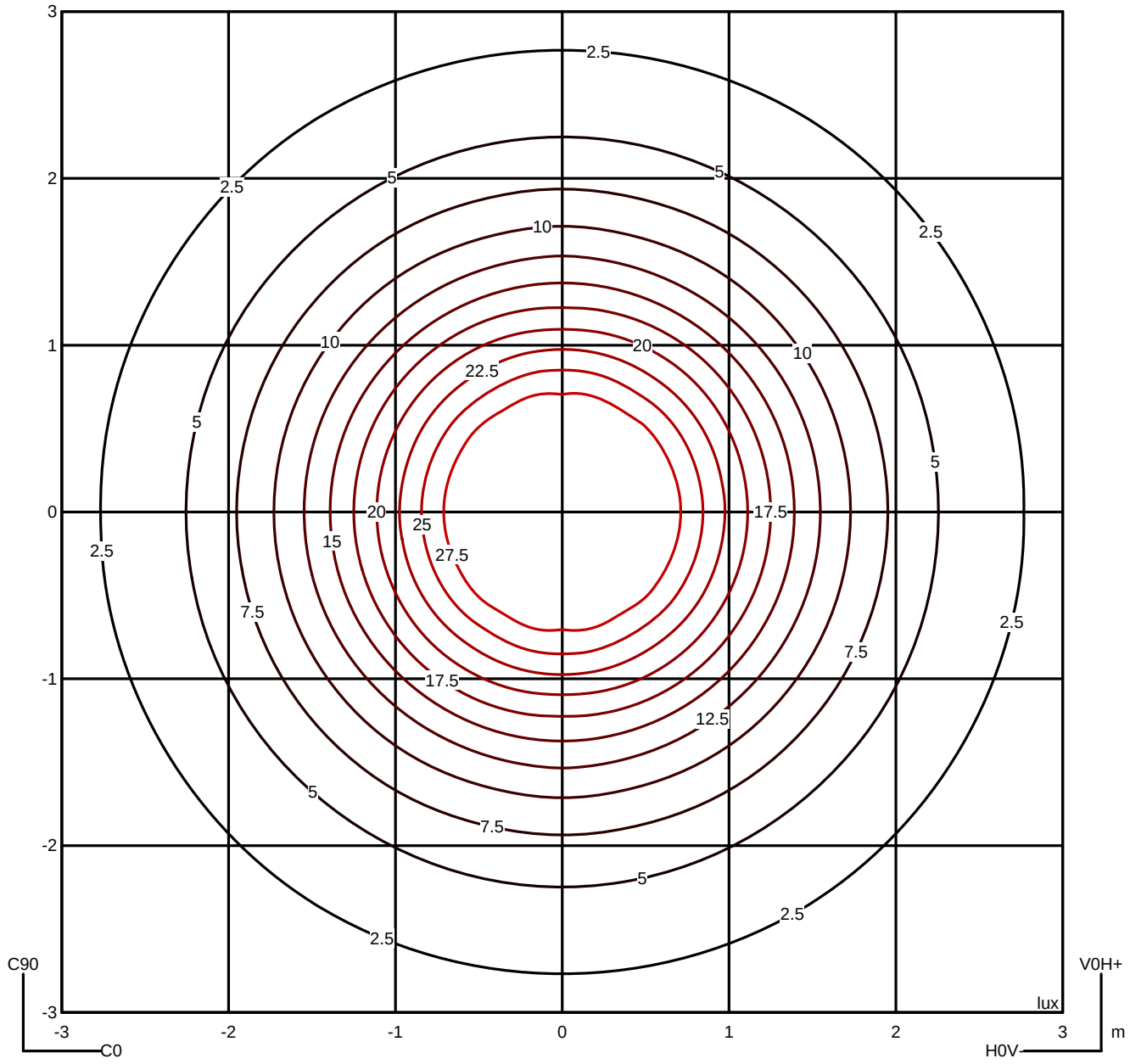
bover
barcelona lights

Luminaire		Measurem.		Lamp	
Code	33502100xxU+P802	Code	33502202xx+P802	Code	49885
Name	GAROTA-PF/02 2x20W CFL brown	Name	GAROTA-S/02 2x20W CFL brown	Number	2
Line	- BOVER	Date	07-01-2016	Position	Universal

Luminaire Flux	428.09 lm	Luminaire Power	40.00 W	Efficacy	10.70 lm/W	Efficiency	17.84%
Lamps Flux	2400.00 lm	Maximum value	84.65 cd/klm	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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Luminaire		Measurem.		Lamp	
Code	33502100xxU+P802	Code	33502202xx+P802	Code	49885
Name	GAROTA-PF/02 2x20W CFL brown	Name	GAROTA-S/02 2x20W CFL brown	Number	2
Line	- BOVER	Date	07-01-2016	Position	Universal

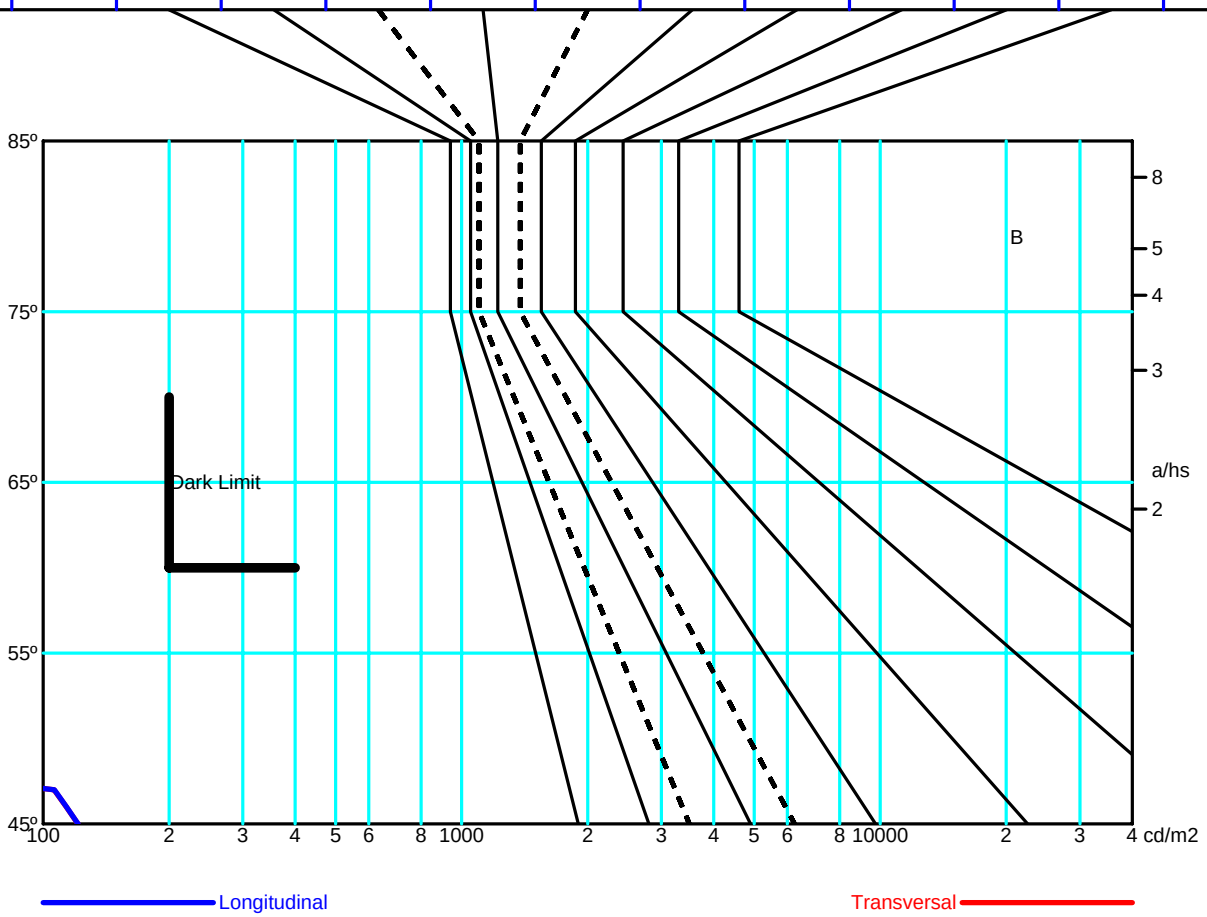
Luminaire Flux	428.09 lm	Luminaire Power	40.00 W	Efficacy	10.70 lm/W	Efficiency	17.84%
Lamps Flux	2400.00 lm	Maximum value	84.65 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Average Luminance [cd/m²]

	45°	50°	55°	60°	65°	70°	75°	80°	85°	
0.0°	121	86	60	45	44	43	43	43	42	---
90.0°	121	87	61	45	43	43	44	44	43	---

Flush mounted or transveral view

		Illumination(lx)										
A	A	2000	1000	750	500		<300					1.15
B	1		2000	1500	1000	750	500	<300				1.5
C					2000		1000	500	<300			1.85
D	2						2000	1000	500	<300		2.2
E	3							2000	1000	500	<300	2.55

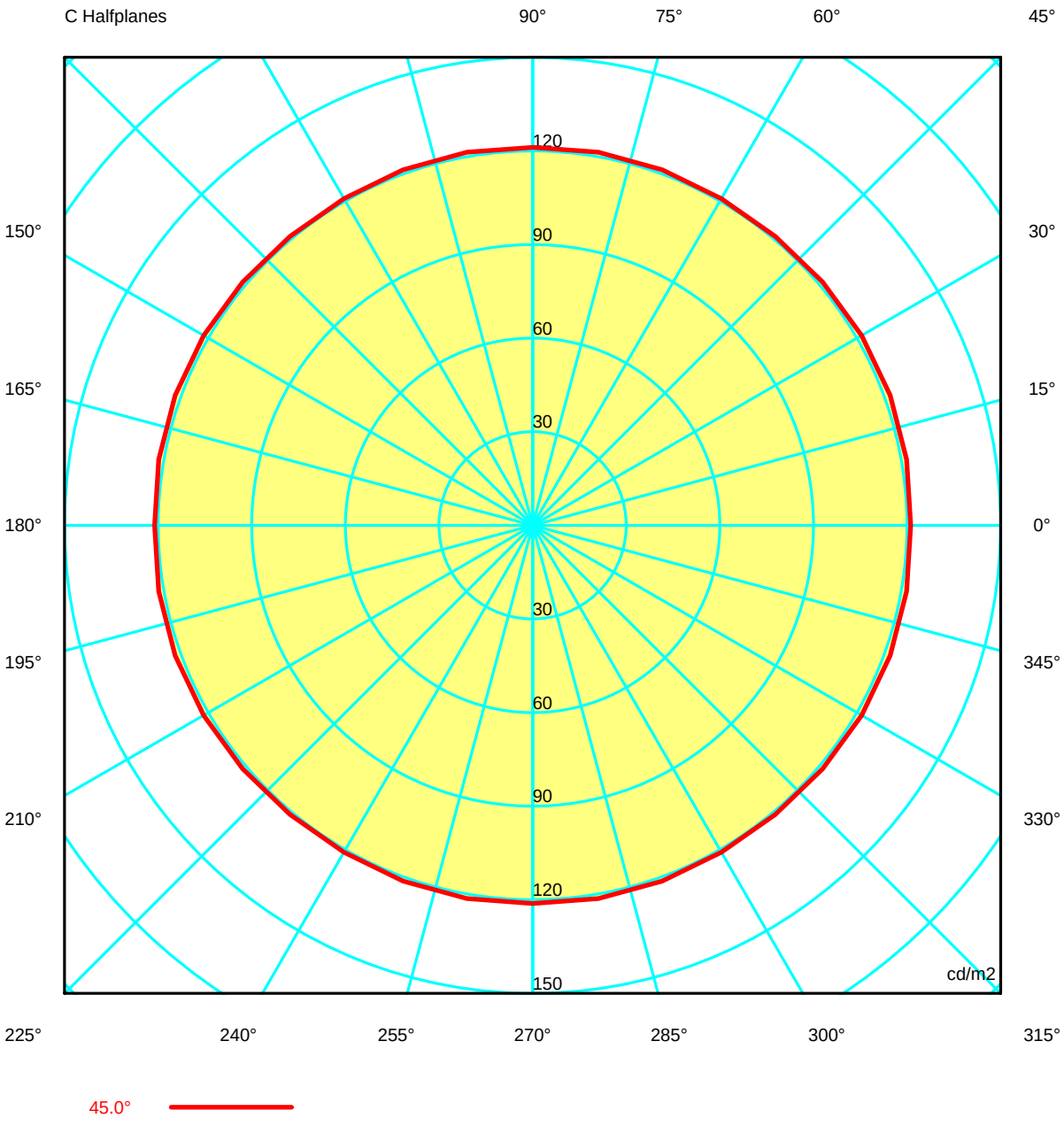


bover
barcelona lights

Luminaire		Measurem.		Lamp	
Code	33502100xxU+P802	Code	33502202xx+P802	Code	49885
Name	GAROTA-PF/02 2x20W CFL brown	Name	GAROTA-S/02 2x20W CFL brown	Number	2
Line	- BOVER	Date	07-01-2016	Position	Universal

Luminaire Flux	428.09 lm	Luminaire Power	40.00 W	Efficacy	10.70 lm/W	Efficiency	17.84%
Lamps Flux	2400.00 lm	Maximum value	84.65 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Luminance



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Luminaire		Measurem.		Lamp	
Code	33502100xxU+P802	Code	33502202xx+P802	Code	49885
Name	GAROTA-PF/02 2x20W CFL brown	Name	GAROTA-S/02 2x20W CFL brown	Number	2
Line	- BOVER	Date	07-01-2016	Position	Universal

Luminaire Flux	428.09 lm	Luminaire Power	40.00 W	Efficacy	10.70 lm/W	Efficiency	17.84%
Lamps Flux	2400.00 lm	Maximum value	84.65 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Luminance cd/m2 **Table 1/3**

	C 0.00	C 10.00	C 20.00	C 30.00	C 40.00	C 50.00	C 60.00	C 70.00	C 80.00	C 90.00	C 100.00	C 110.00	C 120.00
G 0.0	498.97	498.97	498.97	498.97	498.97	498.97	498.97	498.97	498.97	498.97	498.97	498.97	498.97
G 5.0	466.74	466.54	466.67	466.99	466.99	466.96	466.91	466.93	466.97	467.00	466.97	466.93	466.91
G 10.0	439.95	439.54	439.21	439.37	440.22	440.17	439.54	440.17	440.62	440.19	440.62	440.17	439.54
G 15.0	407.99	407.90	407.43	407.27	409.07	408.39	406.53	409.02	409.62	405.86	409.62	409.02	406.53
G 20.0	360.63	359.99	360.31	361.22	361.35	360.60	360.14	361.28	361.97	362.11	361.97	361.28	360.14
G 25.0	313.98	313.67	313.41	313.26	313.22	312.60	311.39	310.13	308.46	306.31	308.46	310.13	311.39
G 30.0	262.50	262.30	261.87	261.01	259.67	258.25	257.16	256.72	257.15	258.20	257.15	256.72	257.16
G 35.0	211.18	210.99	210.79	210.59	210.33	209.80	208.60	206.70	206.07	207.11	206.07	206.70	208.60
G 40.0	163.71	163.64	163.74	163.84	163.08	162.49	162.11	161.16	160.75	161.24	160.75	161.16	162.11
G 45.0	121.16	121.68	121.90	121.73	121.32	120.96	120.94	121.31	121.45	121.18	121.45	121.31	120.94
G 50.0	86.33	87.13	87.52	87.65	88.04	88.56	88.45	87.06	86.22	86.58	86.22	87.06	88.45
G 55.0	59.66	60.38	61.08	61.23	60.36	59.95	59.89	59.37	59.71	61.30	59.71	59.37	59.89
G 60.0	44.56	45.85	46.68	46.55	45.78	45.93	46.52	43.82	42.65	44.81	42.65	43.82	46.52
G 65.0	43.59	44.03	44.78	45.51	45.53	45.07	44.35	43.42	42.84	42.71	42.84	43.42	44.35
G 70.0	43.25	44.31	45.25	45.95	46.29	46.06	45.31	44.35	43.61	43.17	43.61	44.35	45.31
G 75.0	43.09	44.64	45.77	46.56	47.33	47.22	46.22	45.26	44.53	43.95	44.53	45.26	46.22
G 80.0	43.08	45.18	46.42	47.16	48.37	48.41	47.12	46.06	45.11	44.06	45.11	46.06	47.12
G 85.0	42.37	44.89	46.36	47.36	49.13	49.22	47.48	46.27	44.91	42.96	44.91	46.27	47.48
G 90.0	43.82	46.28	47.64	48.58	50.52	50.65	48.80	47.55	46.00	43.61	46.00	47.55	48.80

bover
barcelona lights

Luminaire		Measurem.		Lamp	
Code	33502100xxU+P802	Code	33502202xx+P802	Code	49885
Name	GAROTA-PF/02 2x20W CFL brown	Name	GAROTA-S/02 2x20W CFL brown	Number	2
Line	- BOVER	Date	07-01-2016	Position	Universal

Luminaire Flux	428.09 lm	Luminaire Power	40.00 W	Efficacy	10.70 lm/W	Efficiency	17.84%
Lamps Flux	2400.00 lm	Maximum value	84.65 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Luminance cd/m2 **Table 2/3**

	C 130.00	C 140.00	C 150.00	C 160.00	C 170.00	C 180.00	C 190.00	C 200.00	C 210.00	C 220.00	C 230.00	C 240.00	C 250.00
G 0.0	498.97	498.97	498.97	498.97	498.97	498.97	498.97	498.97	498.97	498.97	498.97	498.97	498.97
G 5.0	466.96	466.99	466.99	466.67	466.54	466.74	466.54	466.67	466.99	466.99	466.96	466.91	466.93
G 10.0	440.17	440.22	439.37	439.21	439.54	439.95	439.54	439.21	439.37	440.22	440.17	439.54	440.17
G 15.0	408.39	409.07	407.27	407.43	407.90	407.99	407.90	407.43	407.27	409.07	408.39	406.53	409.02
G 20.0	360.60	361.35	361.22	360.31	359.99	360.63	359.99	360.31	361.22	361.35	360.60	360.14	361.28
G 25.0	312.60	313.22	313.26	313.41	313.67	313.98	313.67	313.41	313.26	313.22	312.60	311.39	310.13
G 30.0	258.25	259.67	261.01	261.87	262.30	262.50	262.30	261.87	261.01	259.67	258.25	257.16	256.72
G 35.0	209.80	210.33	210.59	210.79	210.99	211.18	210.99	210.79	210.59	210.33	209.80	208.60	206.70
G 40.0	162.49	163.08	163.84	163.74	163.64	163.71	163.64	163.74	163.84	163.08	162.49	162.11	161.16
G 45.0	120.96	121.32	121.73	121.90	121.68	121.16	121.68	121.90	121.73	121.32	120.96	120.94	121.31
G 50.0	88.56	88.04	87.65	87.52	87.13	86.33	87.13	87.52	87.65	88.04	88.56	88.45	87.06
G 55.0	59.95	60.36	61.23	61.08	60.38	59.66	60.38	61.08	61.23	60.36	59.95	59.89	59.37
G 60.0	45.93	45.78	46.55	46.68	45.85	44.56	45.85	46.68	46.55	45.78	45.93	46.52	43.82
G 65.0	45.07	45.53	45.51	44.78	44.03	43.59	44.03	44.78	45.51	45.53	45.07	44.35	43.42
G 70.0	46.06	46.29	45.95	45.25	44.31	43.25	44.31	45.25	45.95	46.29	46.06	45.31	44.35
G 75.0	47.22	47.33	46.56	45.77	44.64	43.09	44.64	45.77	46.56	47.33	47.22	46.22	45.26
G 80.0	48.41	48.37	47.16	46.42	45.18	43.08	45.18	46.42	47.16	48.37	48.41	47.12	46.06
G 85.0	49.22	49.13	47.36	46.36	44.89	42.37	44.89	46.36	47.36	49.13	49.22	47.48	46.27
G 90.0	50.65	50.52	48.58	47.64	46.28	43.82	46.28	47.64	48.58	50.52	50.65	48.80	47.55

bover
barcelona lights

Luminaire		Measurem.		Lamp	
Code	33502100xxU+P802	Code	33502202xx+P802	Code	49885
Name	GAROTA-PF/02 2x20W CFL brown	Name	GAROTA-S/02 2x20W CFL brown	Number	2
Line	- BOVER	Date	07-01-2016	Position	Universal

Luminaire Flux	428.09 lm	Luminaire Power	40.00 W	Efficacy	10.70 lm/W	Efficiency	17.84%
Lamps Flux	2400.00 lm	Maximum value	84.65 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Luminance cd/m2 **Table 3/3**

	C 260.00	C 270.00	C 280.00	C 290.00	C 300.00	C 310.00	C 320.00	C 330.00	C 340.00	C 350.00
G 0.0	498.97	498.97	498.97	498.97	498.97	498.97	498.97	498.97	498.97	498.97
G 5.0	466.97	467.00	466.97	466.93	466.91	466.96	466.99	466.99	466.67	466.54
G 10.0	440.62	440.19	440.62	440.17	439.54	440.17	440.22	439.37	439.21	439.54
G 15.0	409.62	405.86	409.62	409.02	406.53	408.39	409.07	407.27	407.43	407.90
G 20.0	361.97	362.11	361.97	361.28	360.14	360.60	361.35	361.22	360.31	359.99
G 25.0	308.46	306.31	308.46	310.13	311.39	312.60	313.22	313.26	313.41	313.67
G 30.0	257.15	258.20	257.15	256.72	257.16	258.25	259.67	261.01	261.87	262.30
G 35.0	206.07	207.11	206.07	206.70	208.60	209.80	210.33	210.59	210.79	210.99
G 40.0	160.75	161.24	160.75	161.16	162.11	162.49	163.08	163.84	163.74	163.64
G 45.0	121.45	121.18	121.45	121.31	120.94	120.96	121.32	121.73	121.90	121.68
G 50.0	86.22	86.58	86.22	87.06	88.45	88.56	88.04	87.65	87.52	87.13
G 55.0	59.71	61.30	59.71	59.37	59.89	59.95	60.36	61.23	61.08	60.38
G 60.0	42.65	44.81	42.65	43.82	46.52	45.93	45.78	46.55	46.68	45.85
G 65.0	42.84	42.71	42.84	43.42	44.35	45.07	45.53	45.51	44.78	44.03
G 70.0	43.61	43.17	43.61	44.35	45.31	46.06	46.29	45.95	45.25	44.31
G 75.0	44.53	43.95	44.53	45.26	46.22	47.22	47.33	46.56	45.77	44.64
G 80.0	45.11	44.06	45.11	46.06	47.12	48.41	48.37	47.16	46.42	45.18
G 85.0	44.91	42.96	44.91	46.27	47.48	49.22	49.13	47.36	46.36	44.89
G 90.0	46.00	43.61	46.00	47.55	48.80	50.65	50.52	48.58	47.64	46.28