Luminaria
Código 33502100xx+P802
Nombre GAROTA-PF/02 2x20W CFL brown
Familia - BOVER

Ensayo
Código 33502202xx+P802
Nombre GAROTA-S/02 2x20W CFL brown
Fecha 07-01-2016

Lámpara
Código PL ELECT pro20W/827
Número 2
Posición Universal

Flujo Luminaria	428.09 lm	Potencia luminaria	40.00 W	Eficencia	10.70 lm/W	Rendimiento	17.84%
Flujo de Lámpara	2400.00 lm	Valor Máximo	84.65 cd/klm	Posición	C=0.00 G=0.00	CG	Bisimétrico

Luminaria Redonda	Diam. 720 mm	Altura	460 mm
Área Luminosa Redonda	Diam. 720 mm	Altura	460 mm
Área Luminosa Horizontal	0.407150 m2	Área Emisión sobre Pl. 180°	0.331200 m2
Área Emisión sobre Pl. 0°	0.331200 m2	Área Emisión sobre Pl. 270°	0.331200 m2
Área Emisión sobre Pl. 90°	0.331200 m2	Área de deslumbramiento a 76°	0.419861 m2

Sist. de Coorden.	CG	Tipo de Simetría	Bisimétrico
Fecha	07-01-2016	Máximo Ángulo Gamma	180
Distancia de Ensayo	6.44	Flujo de Ensayo	2488.00 lm

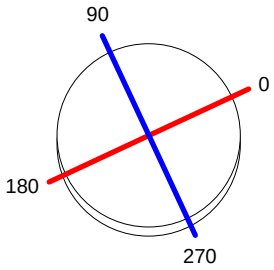
Operador	Asselum T2	Tensión de alimentación	
Temperatura	25.00 °C	Corriente de alimentación	
Humedad	55.00 %	Fotocélula	Prc
Notas			

Lámparas de la Luminaria

Familia	Código	Nombre	Flujo [lm]	Pot. [W]	Cant.
PHILIPS 2005 ILCOS FBT,G,C,FSQ	PL ELECT pro20W/827	PL electr pro 20W/827 E27	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

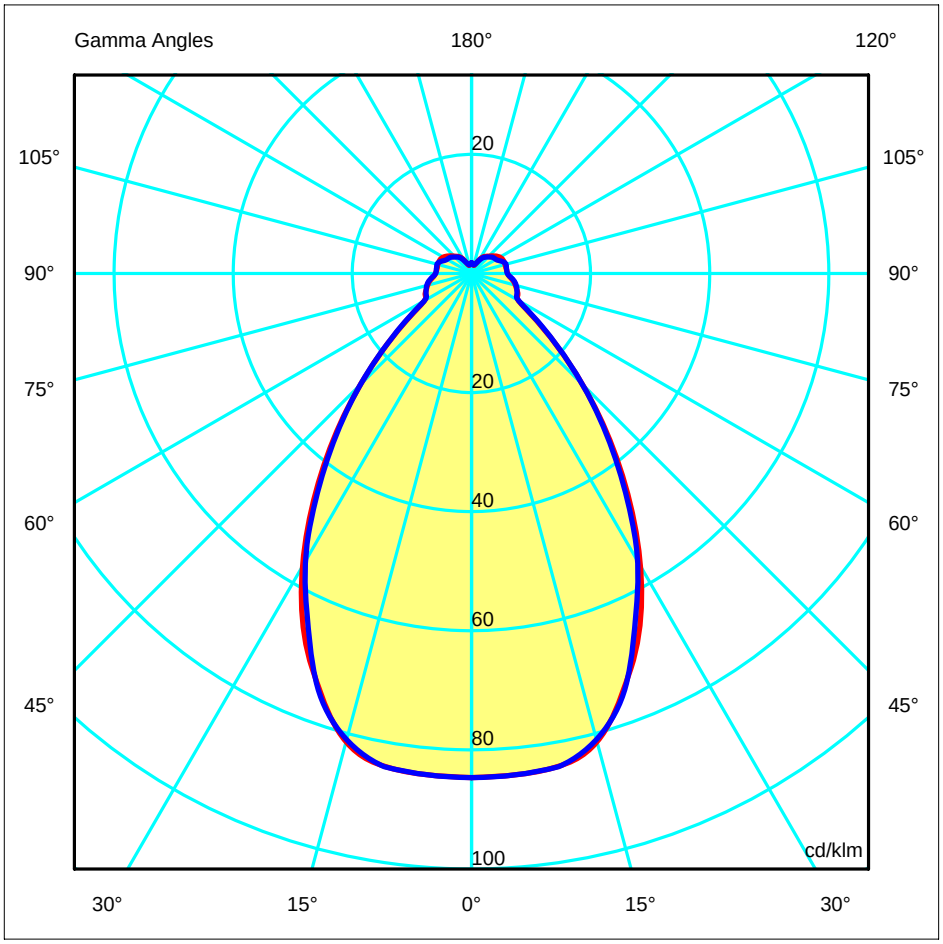
Diam=720mm



C Halfplanes

180.0 — 0.0

270.0 — 90.0



ULOR	3.14 %
DLOR	14.70 %
RN	17.61 %

Luminaria	**Ensayo**	**Lámpara**
Código 33502100xx+P802	Código 33502202xx+P802	Código PL ELECT pro20W/827
Nombre GAROTA-PF/02 2x20W CFL brown	Nombre GAROTA-S/02 2x20W CFL brown	Número 2
Familia - BOVER	Fecha 07-01-2016	Posición Universal

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Flujo de Lámpara	2400.00 lm	Valor Máximo	84.65 cd/klm	Posición	C=0.00 G=0.00	CG	Bisimétrico

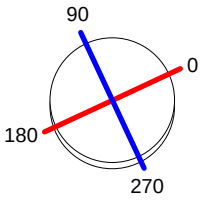
Tabla de Intensidad Luminosa cd/klm **Tabla 1/1**

	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

Luminaria		Ensayo		Lámpara	
Código	33502100xx+P802	Código	33502202xx+P802	Código	PL ELECT pro20W/827
Nombre	GAROTA-PF/02 2x20W CFL brown	Nombre	GAROTA-S/02 2x20W CFL brown	Número	2
Familia	- BOVER	Fecha	07-01-2016	Posición	Universal

Flujo Luminaria	428.09 lm	Potencia luminaria	40.00 W	Eficencia	10.70 lm/W	Rendimiento	17.84%
Flujo de Lámpara	2400.00 lm	Valor Máximo	84.65 cd/klm	Posición	C=0.00 G=0.00	CG	Bisimétrico

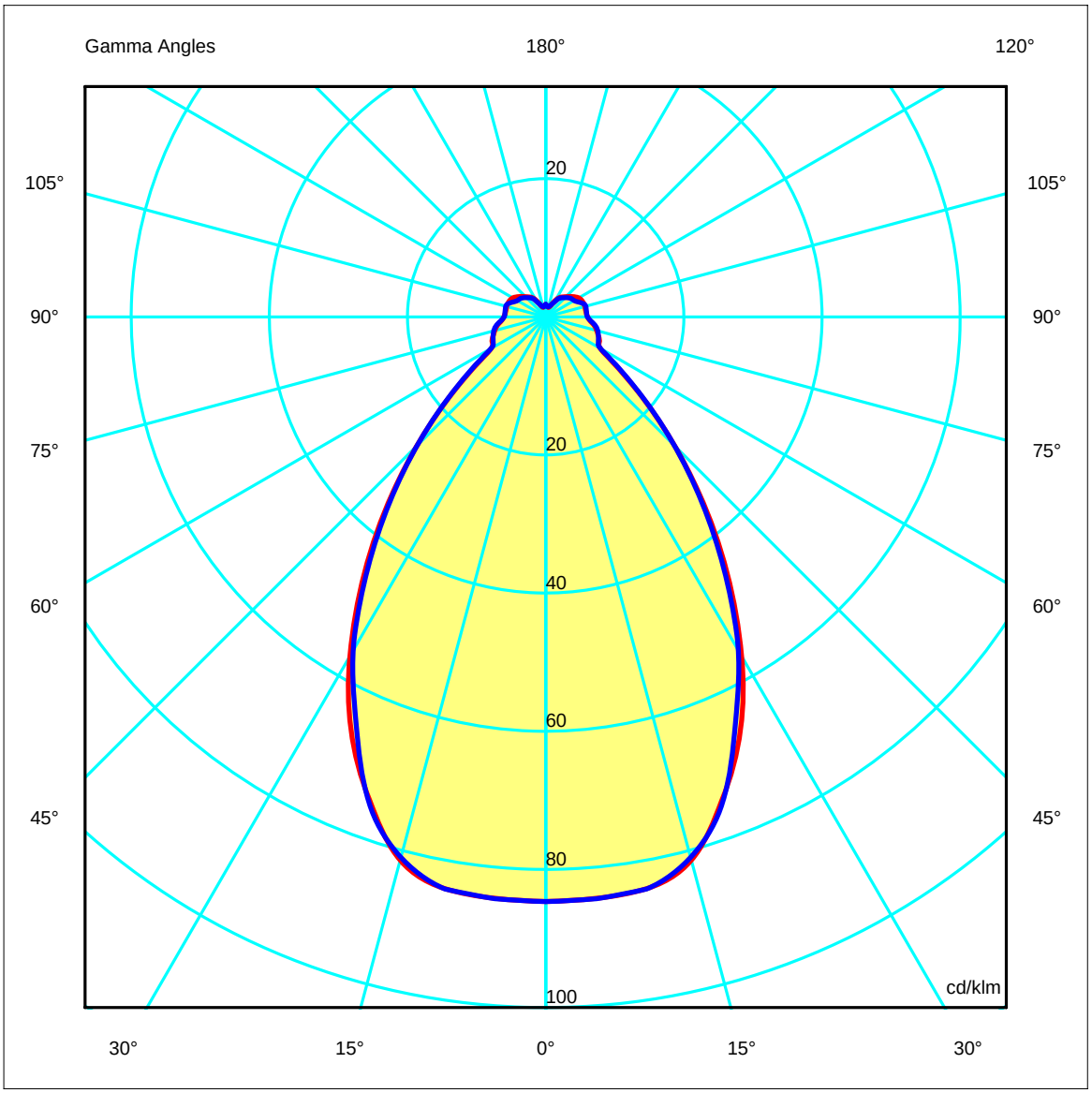
Diam=720mm



C Halfplanes

180.0 0.0

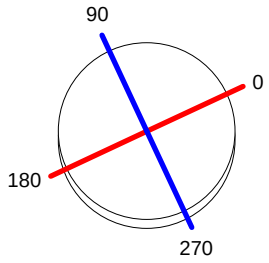
270.0 90.0



Luminaria		Ensayo		Lámpara	
Código	33502100xx+P802	Código	33502202xx+P802	Código	PL ELECT pro20W/827
Nombre	GAROTA-PF/02 2x20W CFL brown	Nombre	GAROTA-S/02 2x20W CFL brown	Número	2
Familia	- BOVER	Fecha	07-01-2016	Posición	Universal

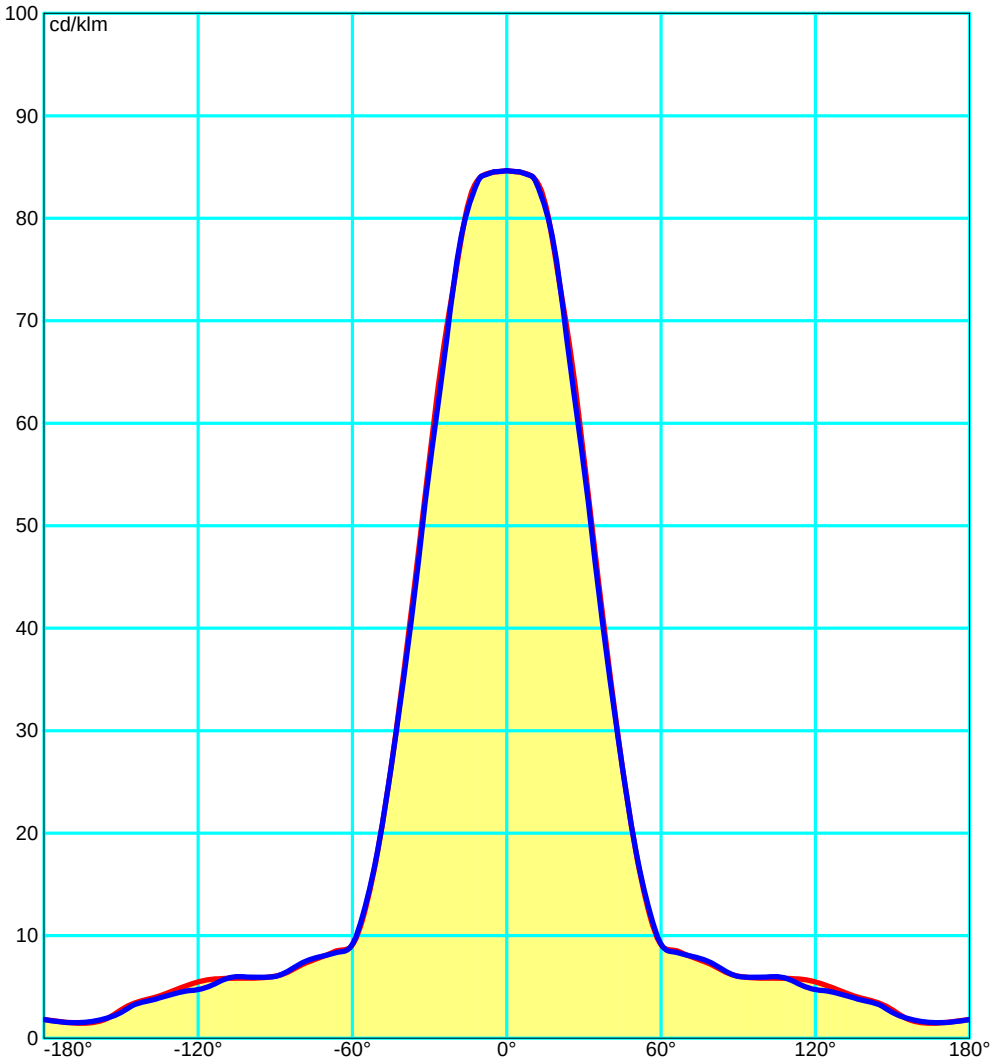
Flujo Luminaria	428.09 lm	Potencia luminaria	40.00 W	Eficencia	10.70 lm/W	Rendimiento	17.84%
Flujo de Lámpara	2400.00 lm	Valor Máximo	84.65 cd/klm	Posición	C=0.00 G=0.00	CG	Bisimétrico

Diam=720mm



C Halfplanes





Luminaria		Ensayo		Lámpara	
Código	33502100xx+P802	Código	33502202xx+P802	Código	PL ELECT pro20W/827
Nombre	GAROTA-PF/02 2x20W CFL brown	Nombre	GAROTA-S/02 2x20W CFL brown	Número	2
Familia	- BOVER	Fecha	07-01-2016	Posición	Universal

Flujo Luminaria	428.09 lm	Potencia luminaria	40.00 W	Eficencia	10.70 lm/W	Rendimiento	17.84%
Flujo de Lámpara	2400.00 lm	Valor Máximo	84.65 cd/klm	Posición	C=0.00 G=0.00	CG	Bisimétrico

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

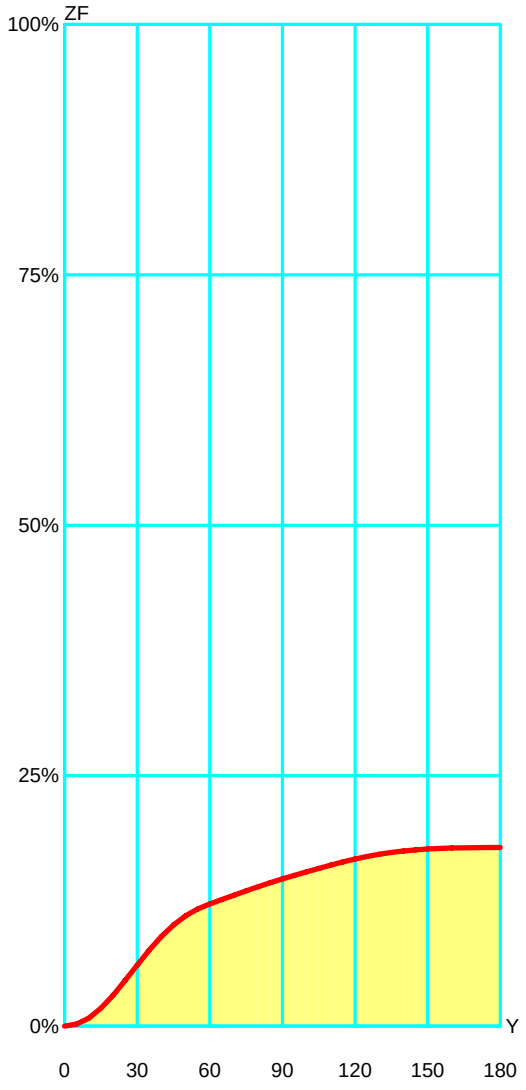
Zonal Flux per 1000 Lumen

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 %

Luminaria		Ensayo		Lámpara	
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Nombre	GAROTA-PF/02 2x20W CFL brown	Nombre	GAROTA-S/02 2x20W CFL brown	Número	2
Familia	- BOVER	Fecha	07-01-2016	Posición	Universal

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Flujo de Lámpara	2400.00 lm	Valor Máximo	84.65 cd/klm	Posición	C=0.00 G=0.00	CG	Bisimétrico

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

Luminaria		**Ensayo**		**Lámpara**	
Código	33502100xx+P802	Código	33502202xx+P802	Código	PL ELECT pro20W/827
Nombre	GAROTA-PF/02 2x20W CFL brown	Nombre	GAROTA-S/02 2x20W CFL brown	Número	2
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Utilización CIE

Montaje Directo Normalización Normalizados Raz. de Susp. 1/3 CIE Estándar

Techo

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

Pared

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

P.Trab.

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 Superficial: 1.075

Luminaria
Código 33502100xx+P802
Nombre GAROTA-PF/02 2x20W CFL brown
Familia - BOVER

Ensayo
Código 33502202xx+P802
Nombre GAROTA-S/02 2x20W CFL brown
Fecha 07-01-2016

Lámpara
Código PL ELECT pro20W/827
Número 2
Posición Universal

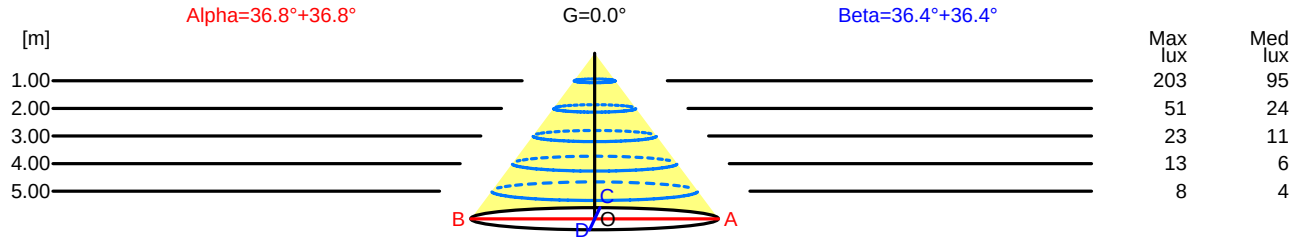
Flujo Luminaria	428.09 lm	Potencia luminaria	40.00 W	Eficencia	10.70 lm/W	Rendimiento	17.84%
Flujo de Lámpara	2400.00 lm	Valor Máximo	84.65 cd/klm	Posición	C=0.00 G=0.00	CG	Bisimétrico

Apertura a 50.00 % de Max Intensidad

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

Intensidades Luminosas [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	Alpha=36.8°+36.8° G=0.0
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	

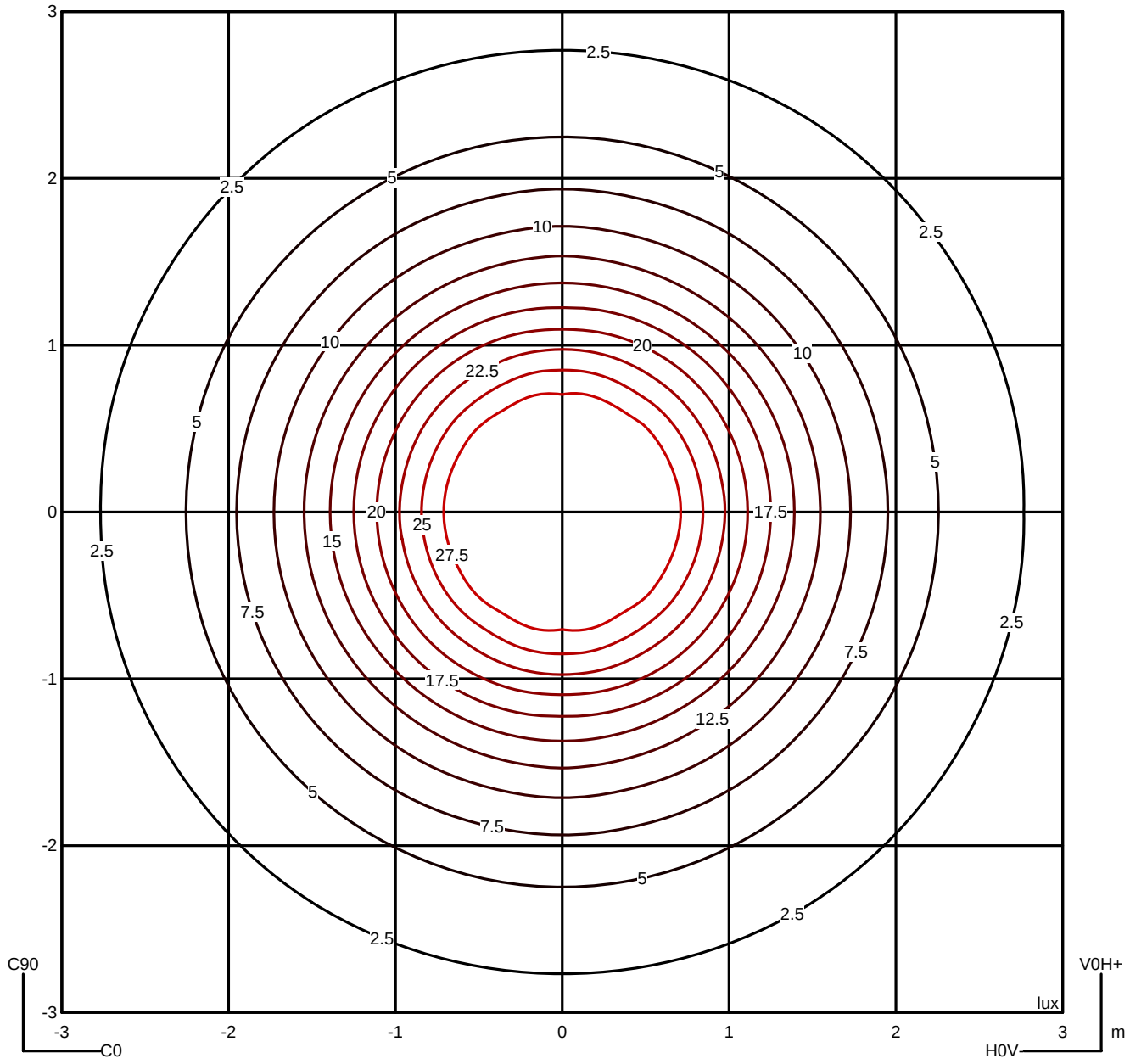
H[m]	D[m]	Max lux	Med lux	Beta=36.4°+36.4° G=0.0
1.00	1.47	203	95	
2.00	2.95	51	24	
3.00	4.42	23	11	
4.00	5.89	13	6	
5.00	7.37	8	4	

Luminaria		Ensayo		Lámpara	
Código	33502100xx+P802	Código	33502202xx+P802	Código	PL ELECT pro20W/827
Nombre	GAROTA-PF/02 2x20W CFL brown	Nombre	GAROTA-S/02 2x20W CFL brown	Número	2
Familia	- BOVER	Fecha	07-01-2016	Posición	Universal

Flujo Luminaria	428.09 lm	Potencia luminaria	40.00 W	Eficencia	10.70 lm/W	Rendimiento	17.84%
Flujo de Lámpara	2400.00 lm	Valor Máximo	84.65 cd/klm	Posición	C=0.00 G=0.00	CG	Bisimétrico

Isolux (Suelo)

Posición Luminaria X=0.00m Y=0.00m Z=2.50m



Luminaria		Ensayo		Lámpara	
Código	33502100xx+P802	Código	33502202xx+P802	Código	PL ELECT pro20W/827
Nombre	GAROTA-PF/02 2x20W CFL brown	Nombre	GAROTA-S/02 2x20W CFL brown	Número	2
Familia	- BOVER	Fecha	07-01-2016	Posición	Universal

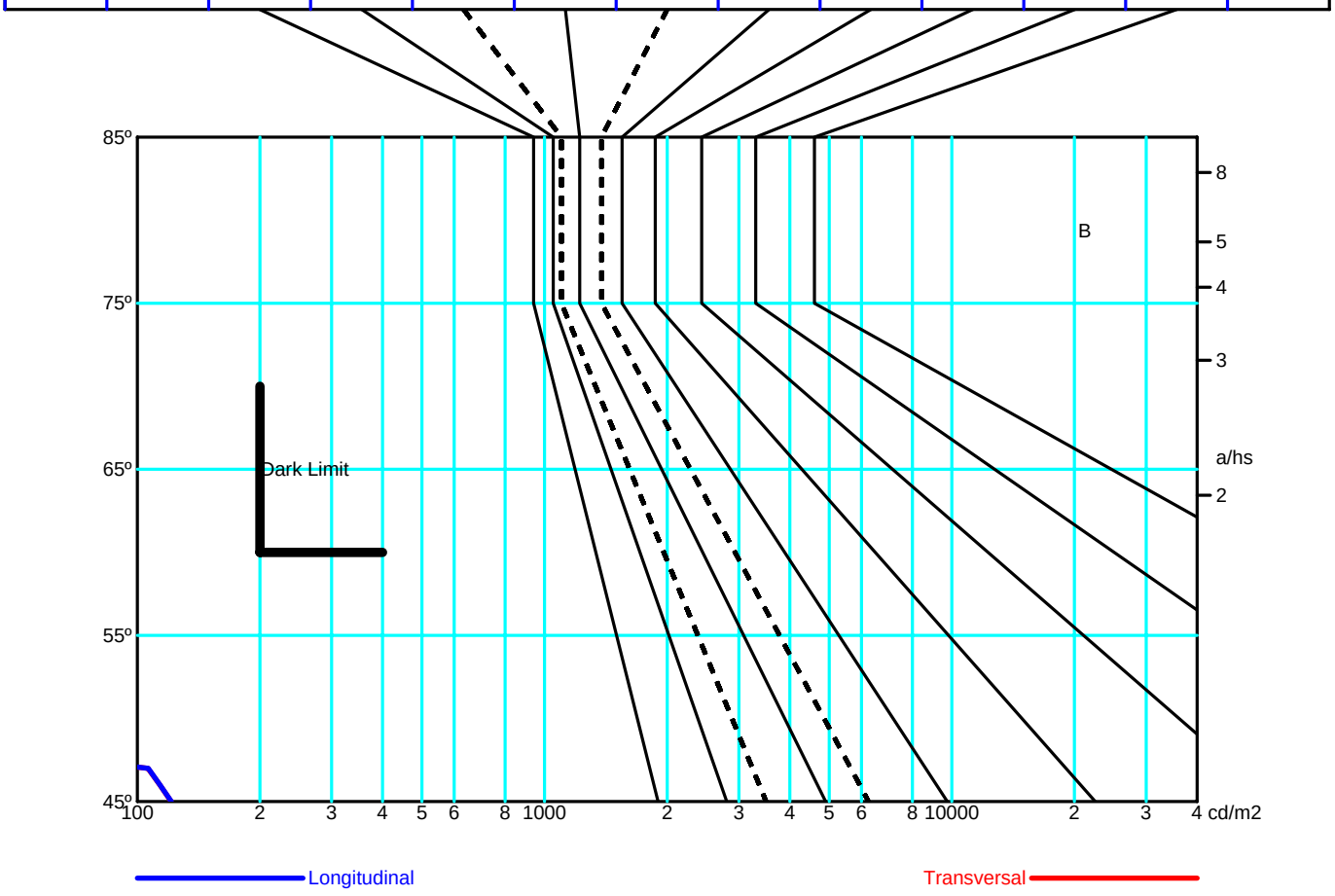
Flujo Luminaria	428.09 lm	Potencia luminaria	40.00 W	Eficencia	10.70 lm/W	Rendimiento	17.84%
Flujo de Lámpara	2400.00 lm	Valor Máximo	84.65 cd/klm	Posición	C=0.00 G=0.00	CG	Bisimétrico

Luminancia Media [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

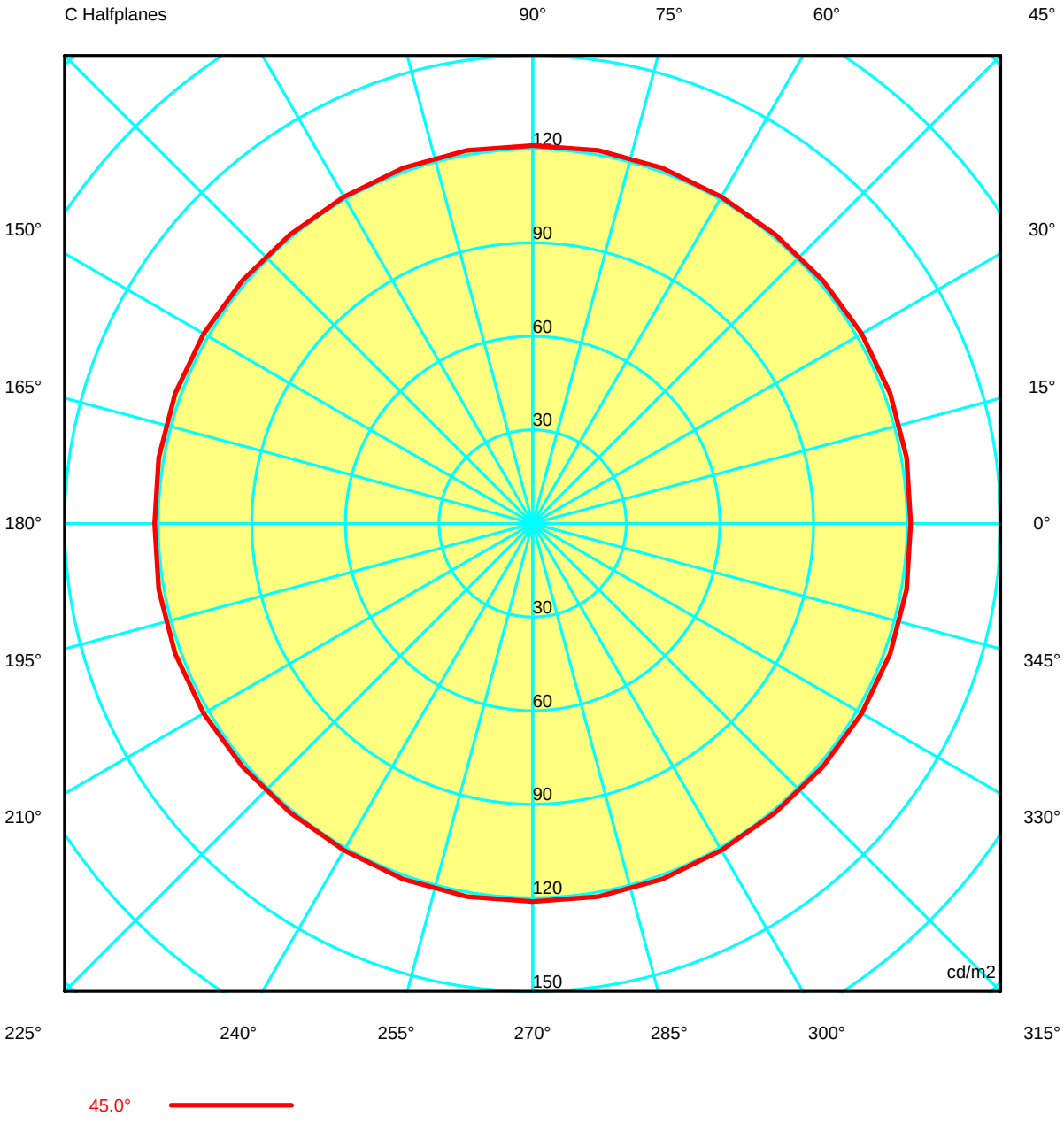
		Illumination(lx)										
A	A	2000	1000	750	500		<300					1.15
B	1		2000	1500	1000	750	500	<300				1.5
C					2000		1000	500	<300			1.85
D	2						2000	1000	500	<300		2.2
E	3							2000	1000	500	<300	2.55



Luminaria		Ensayo		Lámpara	
Código	33502100xx+P802	Código	33502202xx+P802	Código	PL ELECT pro20W/827
Nombre	GAROTA-PF/02 2x20W CFL brown	Nombre	GAROTA-S/02 2x20W CFL brown	Número	2
Familia	- BOVER	Fecha	07-01-2016	Posición	Universal

Flujo Luminaria	428.09 lm	Potencia luminaria	40.00 W	Eficencia	10.70 lm/W	Rendimiento	17.84%
Flujo de Lámpara	2400.00 lm	Valor Máximo	84.65 cd/klm	Posición	C=0.00 G=0.00	CG	Bisimétrico

Luminancia



Luminaria
Código 33502100xx+P802
Nombre GAROTA-PF/02 2x20W CFL brown
Familia - BOVER

Ensayo
Código 33502202xx+P802
Nombre GAROTA-S/02 2x20W CFL brown
Fecha 07-01-2016

Lámpara
Código PL ELECT pro20W/827
Número 2
Posición Universal

Flujo Luminaria	428.09 lm	Potencia luminaria	40.00 W	Eficencia	10.70 lm/W	Rendimiento	17.84%
Flujo de Lámpara	2400.00 lm	Valor Máximo	84.65 cd/klm	Posición	C=0.00 G=0.00	CG	Bisimétrico

Luminance cd/m2 **Tabla 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

Luminaria
Código 33502100xx+P802
Nombre GAROTA-PF/02 2x20W CFL brown
Familia - BOVER

Ensayo
Código 33502202xx+P802
Nombre GAROTA-S/02 2x20W CFL brown
Fecha 07-01-2016

Lámpara
Código PL ELECT pro20W/827
Número 2
Posición Universal

Flujo Luminaria	428.09 lm	Potencia luminaria	40.00 W	Eficencia	10.70 lm/W	Rendimiento	17.84%
Flujo de Lámpara	2400.00 lm	Valor Máximo	84.65 cd/klm	Posición	C=0.00 G=0.00	CG	Bisimétrico

Luminance cd/m2 **Tabla 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

Luminaria
Código 33502100xx+P802
Nombre GAROTA-PF/02 2x20W CFL brown
Familia - BOVER

Ensayo
Código 33502202xx+P802
Nombre GAROTA-S/02 2x20W CFL brown
Fecha 07-01-2016

Lámpara
Código PL ELECT pro20W/827
Número 2
Posición Universal

Flujo Luminaria	428.09 lm	Potencia luminaria	40.00 W	Eficencia	10.70 lm/W	Rendimiento	17.84%
Flujo de Lámpara	2400.00 lm	Valor Máximo	84.65 cd/klm	Posición	C=0.00 G=0.00	CG	Bisimétrico

Luminance cd/m2 **Tabla 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