Luminaria		**Ensayo**		**Lámpara**	
Código	33501102xx+P803	Código	33501201xx+P803	Código	33501201xx+P803
Nombre	GAROTA-PF/01 LED 9W beige	Nombre	GAROTA-S/01 LED 9W beige	Número	1
Familia	- BOVER	Fecha	09-09-2015	Posición	Universal

Flujo Luminaria	355.98 lm	Potencia luminaria	9.00 W	Eficencia	39.55 lm/W	Rendimiento	100.00%
Flujo de Lámpara	355.98 lm	Valor Máximo	397.11 cd/klm	Posición	C=0.00 G=0.00	CG	Bisimétrico

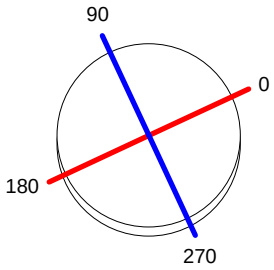
Luminaria Redonda	Diam. 270 mm	Altura	160 mm
Área Luminosa Redonda	Diam. 270 mm	Altura	160 mm
Área Luminosa Horizontal	0.057256 m2	Área Emisión sobre Pl. 180°	0.043200 m2
Área Emisión sobre Pl. 0°	0.043200 m2	Área Emisión sobre Pl. 270°	0.043200 m2
Área Emisión sobre Pl. 90°	0.043200 m2	Área de deslumbramiento a 76°	0.055768 m2
Sist. de Coorden.	CG	Tipo de Simetría	Bisimétrico
Fecha	09-09-2015	Máximo Ángulo Gamma	180
Distancia de Ensayo	6.44	Flujo de Ensayo	355.98 lm
Operador	Asselum T2	Tensión de alimentación	
Temperatura	24.00 °C	Corriente de alimentación	
Humedad	51.00 %	Fotocélula	Prc
Notas			

Lámparas de la Luminaria

Familia	Código	Nombre	Flujo [lm]	Pot. [W]	Cant.
- BOVER	33501201xx+P803	Lámpara led 9W 2700K	355.98	9.00	1

C.I.E.	56 80 92 83 100	D DIN 5040	B41
F UTE	0.83 D + 0.17 T	B NBN	BZ 3 / 1 / BZ 4 / 4 / BZ 5

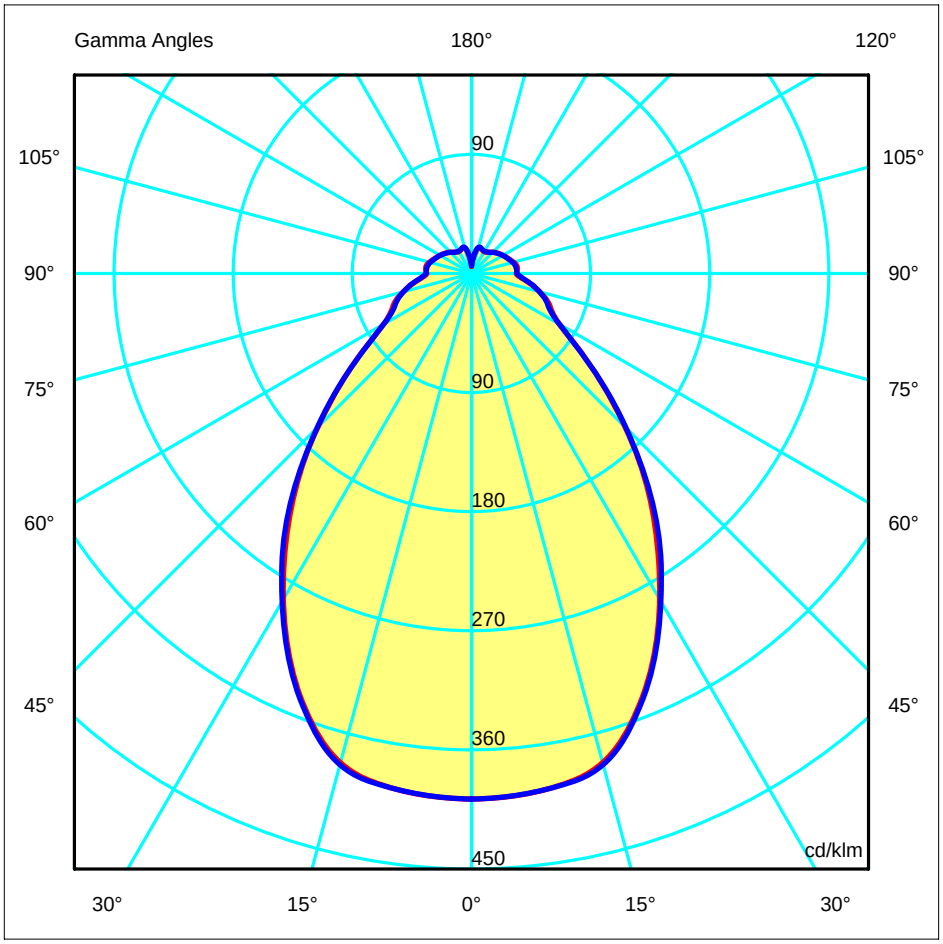
Diam=270mm



C Halfplanes

180.0 — 0.0

270.0 — 90.0



ULOR	17.04 %
DLOR	82.96 %
RN	17.04 %

Luminaria
Código 33501102xx+P803
Nombre GAROTA-PF/01 LED 9W beige
Familia - BOVER

Ensayo
Código 33501201xx+P803
Nombre GAROTA-S/01 LED 9W beige
Fecha 09-09-2015

Lámpara
Código 33501201xx+P803
Número 1
Posición Universal

Flujo Luminaria	355.98 lm	Potencia luminaria	9.00 W	Eficencia	39.55 lm/W	Rendimiento	100.00%
Flujo de Lámpara	355.98 lm	Valor Máximo	397.11 cd/klm	Posición	C=0.00 G=0.00	CG	Bisimétrico

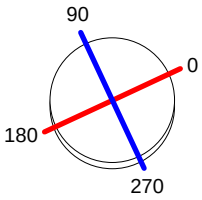
Tabla de Intensidad Luminosa cd/klm **Tabla 1/1**

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	397.11	397.11	397.11	397.11	397.11	397.11	397.11
G 5.0	395.93	396.03	395.96	395.89	396.00	395.79	395.76
G 10.0	392.23	392.28	392.78	392.17	392.63	392.70	392.51
G 15.0	382.70	382.73	382.34	381.57	384.37	379.18	384.35
G 20.0	357.72	355.22	358.17	357.47	358.23	357.37	359.11
G 25.0	323.83	323.00	324.65	323.29	324.74	324.58	325.17
G 30.0	284.16	288.37	284.86	285.33	287.89	285.41	286.11
G 35.0	243.49	242.54	246.96	243.81	245.84	247.64	247.60
G 40.0	204.45	204.58	202.39	205.09	205.33	201.82	206.17
G 45.0	164.02	163.54	163.92	164.53	163.34	165.47	165.05
G 50.0	128.28	127.98	129.58	128.02	127.95	131.46	128.74
G 55.0	98.09	101.20	97.75	98.46	98.55	98.48	97.55
G 60.0	76.66	76.32	77.47	76.07	75.45	77.71	76.66
G 65.0	66.95	66.76	66.46	66.12	65.84	65.24	65.39
G 70.0	61.20	61.02	61.30	60.68	60.59	60.02	59.98
G 75.0	53.41	53.51	53.87	53.39	53.25	53.74	53.13
G 80.0	45.49	46.24	45.24	45.99	45.95	45.76	45.88
G 85.0	37.83	36.95	37.44	37.46	37.46	38.64	38.55
G 90.0	33.73	33.97	33.74	33.76	33.79	34.32	34.35
G 95.0	34.73	34.73	34.72	34.45	34.19	34.17	34.23
G100.0	34.66	34.68	34.83	34.50	34.26	33.64	33.75
G105.0	33.06	33.21	33.19	33.23	32.82	32.05	32.29
G110.0	30.84	30.80	31.39	31.14	30.94	30.39	30.52
G115.0	29.01	29.17	29.53	29.41	29.37	29.00	28.90
G120.0	27.47	27.69	27.93	27.83	27.84	27.65	27.45
G125.0	25.89	26.01	26.29	26.08	25.98	26.10	25.92
G130.0	24.50	24.53	24.41	24.36	24.20	24.10	24.16
G135.0	22.77	22.64	22.85	22.56	22.41	22.46	22.58
G140.0	21.08	21.11	21.11	20.87	20.80	20.74	20.96
G145.0	19.75	19.87	19.81	19.70	19.71	19.67	19.83
G150.0	19.08	19.23	19.28	19.16	19.26	19.28	19.40
G155.0	19.46	19.50	19.57	19.53	19.63	19.71	19.80
G160.0	20.16	20.22	20.22	20.25	20.43	20.51	20.69
G165.0	20.04	19.82	19.89	19.80	20.20	20.26	20.57
G170.0	16.39	16.97	16.29	16.70	16.82	16.87	16.67
G175.0	10.51	11.59	10.66	11.84	10.65	12.01	10.81
G180.0	5.39	5.34	5.61	5.83	5.95	5.94	6.01

Luminaria		Ensayo		Lámpara	
Código	33501102xx+P803	Código	33501201xx+P803	Código	33501201xx+P803
Nombre	GAROTA-PF/01 LED 9W beige	Nombre	GAROTA-S/01 LED 9W beige	Número	1
Familia	- BOVER	Fecha	09-09-2015	Posición	Universal

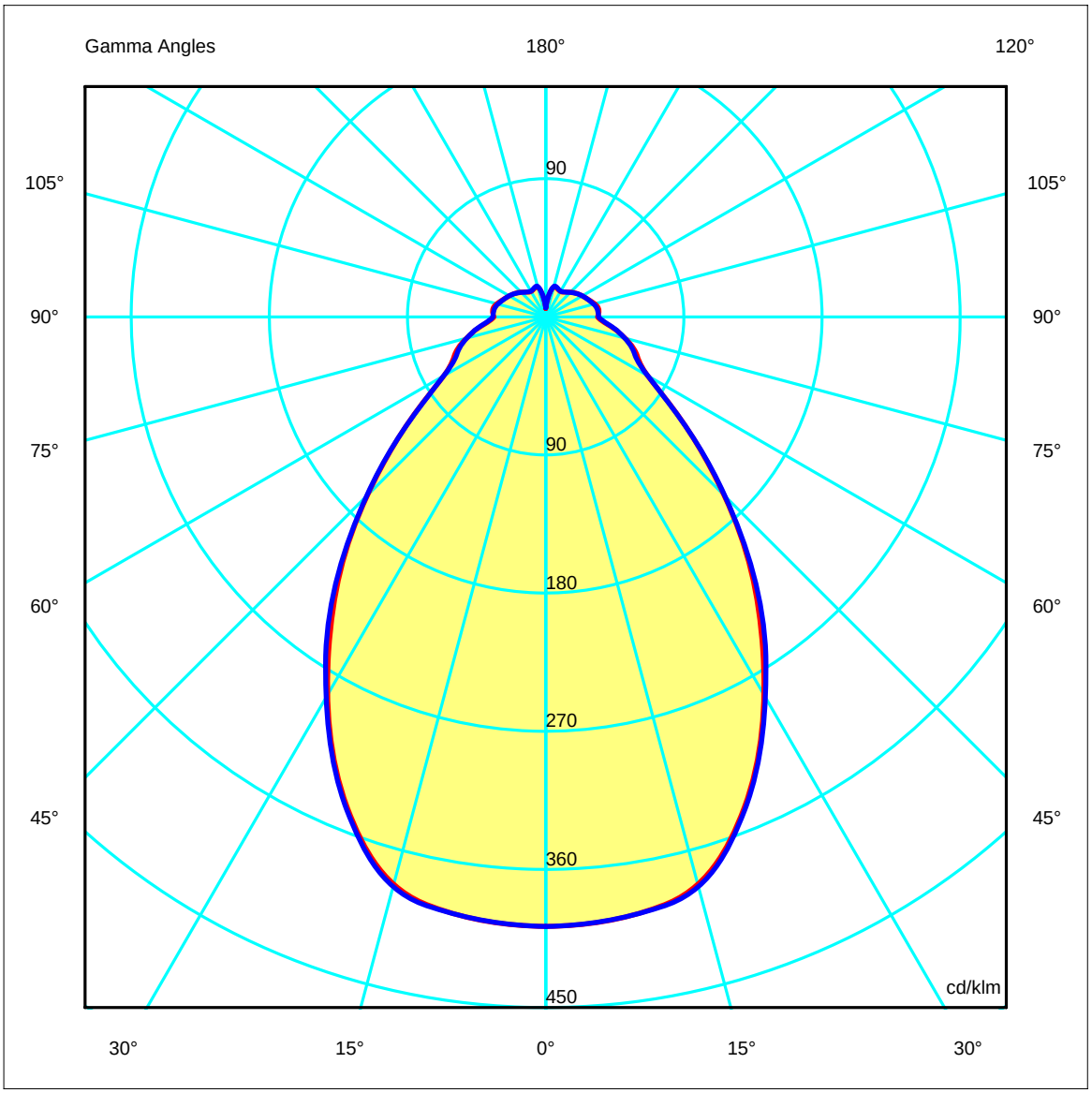
Flujo Luminaria	355.98 lm	Potencia luminaria	9.00 W	Eficencia	39.55 lm/W	Rendimiento	100.00%
Flujo de Lámpara	355.98 lm	Valor Máximo	397.11 cd/klm	Posición	C=0.00 G=0.00	CG	Bisimétrico

Diam=270mm



C Halfplanes

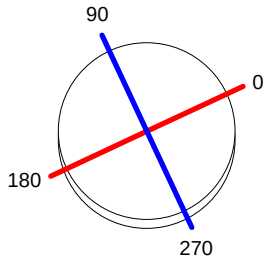




Luminaria		Ensayo		Lámpara	
Código	33501102xx+P803	Código	33501201xx+P803	Código	33501201xx+P803
Nombre	GAROTA-PF/01 LED 9W beige	Nombre	GAROTA-S/01 LED 9W beige	Número	1
Familia	- BOVER	Fecha	09-09-2015	Posición	Universal

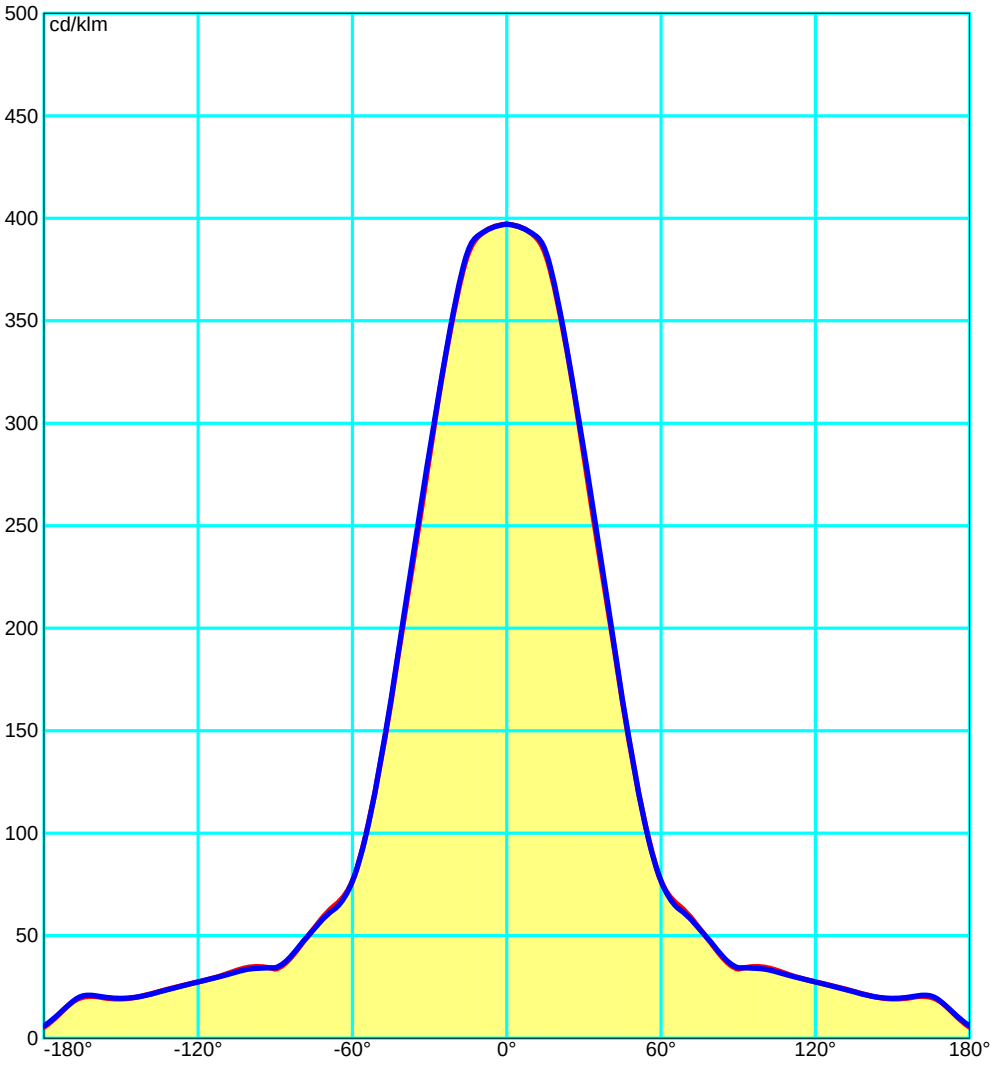
Flujo Luminaria	355.98 lm	Potencia luminaria	9.00 W	Eficencia	39.55 lm/W	Rendimiento	100.00%
Flujo de Lámpara	355.98 lm	Valor Máximo	397.11 cd/klm	Posición	C=0.00 G=0.00	CG	Bisimétrico

Diam=270mm



C Halfplanes





Luminaria		Ensayo		Lámpara	
Código	33501102xx+P803	Código	33501201xx+P803	Código	33501201xx+P803
Nombre	GAROTA-PF/01 LED 9W beige	Nombre	GAROTA-S/01 LED 9W beige	Número	1
Familia	- BOVER	Fecha	09-09-2015	Posición	Universal

Flujo Luminaria	355.98 lm	Potencia luminaria	9.00 W	Eficencia	39.55 lm/W	Rendimiento	100.00%
Flujo de Lámpara	355.98 lm	Valor Máximo	397.11 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	8.4	9.4	8.9	9.9	10.4	8.3	9.4	8.9	9.9	10.4
x=2H y=3H	9.5	10.4	10.1	11.0	11.5	9.5	10.4	10.0	10.9	11.5
x=2H y=4H	10.2	11.1	10.8	11.6	12.2	10.1	11.0	10.7	11.6	12.2
x=2H y=6H	10.8	11.6	11.4	12.2	12.8	10.8	11.6	11.4	12.2	12.8
x=2H y=8H	11.1	11.9	11.8	12.5	13.2	11.1	11.9	11.7	12.5	13.2
x=2H y=12H	11.4	12.2	12.0	12.8	13.4	11.4	12.2	12.0	12.8	13.4
x=4H y=2H	8.7	9.6	9.3	10.2	10.8	8.7	9.6	9.3	10.1	10.8
x=4H y=3H	10.2	11.0	10.8	11.6	12.2	10.2	10.9	10.8	11.5	12.2
x=4H y=4H	11.1	11.7	11.7	12.3	13.0	11.0	11.7	11.6	12.3	13.0
x=4H y=6H	11.9	12.5	12.5	13.1	13.8	11.8	12.4	12.5	13.1	13.8
x=4H y=8H	12.3	12.8	13.0	13.5	14.2	12.3	12.8	12.9	13.5	14.2
x=4H y=12H	12.6	13.1	13.3	13.8	14.6	12.6	13.1	13.3	13.8	14.6
x=8H y=4H	11.4	11.9	12.1	12.6	13.3	11.4	11.9	12.1	12.6	13.3
x=8H y=6H	12.4	12.9	13.1	13.6	14.3	12.4	12.8	13.1	13.5	14.3
x=8H y=8H	12.9	13.3	13.7	14.0	14.9	12.9	13.3	13.6	14.0	14.9
x=8H y=12H	13.4	13.8	14.2	14.5	15.4	13.5	13.8	14.2	14.5	15.4
x=12H y=4H	11.5	11.9	12.1	12.6	13.3	11.4	11.9	12.1	12.6	13.3
x=12H y=6H	12.6	12.9	13.3	13.6	14.4	12.5	12.9	13.2	13.6	14.4
x=12H y=8H	13.1	13.5	13.9	14.2	15.0	13.1	13.5	13.9	14.2	15.0

Luminaria		Ensayo		Lámpara	
Código	33501102xx+P803	Código	33501201xx+P803	Código	33501201xx+P803
Nombre	GAROTA-PF/01 LED 9W beige	Nombre	GAROTA-S/01 LED 9W beige	Número	1
Familia	- BOVER	Fecha	09-09-2015	Posición	Universal

Flujo Luminaria	355.98 lm	Potencia luminaria	9.00 W	Eficencia	39.55 lm/W	Rendimiento	100.00%
Flujo de Lámpara	355.98 lm	Valor Máximo	397.11 cd/klm	Posición	C=0.00 G=0.00	CG	Bisimétrico

Total Flux=355.98 Luminaire Flux=355.98

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	0.38	0.46	0.52	0.58	0.63	0.70	0.75	0.79	0.83	0.86	0.92	0.95
RC	4	4	4	4	4	4	4	4	5	5	6	6

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)	38	145	293	447	574	664	731	787	830	867	902	931	954	972	984	993	999	1000

CIE Flux Codes

56 80 92 83 100

C.I.E.	4/4/4/4/4/4/4/4/5/5/6/6	LOR	100.00000 %
D DIN 5040	B41	ULOR	17.04249 %
F UTE	0.83 D + 0.17 T	DLOR	82.95751 %
B NBN	BZ 3 / 1 / BZ 4 / 4 / BZ 5	UFF	17.04249 %
RN	17.04249 %	DFF	82.95751 %
BLF	1.0	FFR	20.54364 %



Zonal Flux				
Gamma °	Flux	Sum lm	Flux [%]	Sum [%]
0°	0.00	0.00	0.00%	0.00 %
5°	9.48	9.48	0.95 %	0.95 %
10°	28.20	37.68	2.82 %	3.77 %
15°	45.96	83.64	4.60 %	8.36 %
20°	60.97	144.61	6.10 %	14.46 %
25°	71.49	216.10	7.15 %	21.61 %
30°	77.23	293.33	7.72 %	29.33 %
35°	78.28	371.61	7.83 %	37.16 %
40°	74.99	446.60	7.50 %	44.66 %
45°	68.20	514.79	6.82 %	51.48 %
50°	59.23	574.03	5.92 %	57.40 %
55°	49.49	623.52	4.95 %	62.35 %
60°	40.53	664.05	4.05 %	66.40 %
65°	34.69	698.74	3.47 %	69.87 %
70°	32.11	730.85	3.21 %	73.08 %
75°	29.85	760.70	2.99 %	76.07 %
80°	26.57	787.27	2.66 %	78.73 %
85°	22.69	809.96	2.27 %	81.00 %
90°	19.61	829.58	1.96 %	82.96 %
95°	18.73	848.30	1.87 %	84.83 %
100°	18.70	867.00	1.87 %	86.70 %
105°	17.98	884.98	1.80 %	88.50 %
110°	16.66	901.65	1.67 %	90.16 %
115°	15.23	916.87	1.52 %	91.69 %
120°	13.85	930.72	1.38 %	93.07 %
125°	12.43	943.15	1.24 %	94.32 %
130°	10.95	954.11	1.10 %	95.41 %
135°	9.48	963.59	0.95 %	96.36 %
140°	8.06	971.65	0.81 %	97.17 %
145°	6.79	978.44	0.68 %	97.84 %
150°	5.74	984.19	0.57 %	98.42 %
155°	4.92	989.10	0.49 %	98.91 %
160°	4.19	993.29	0.42 %	99.33 %
165°	3.33	996.62	0.33 %	99.66 %
170°	2.18	998.80	0.22 %	99.88 %
175°	1.00	999.80	0.10 %	99.98 %
180°	0.20	1000.00	0.02 %	100.00 %

Luminaria		Ensayo		Lámpara	
Código	33501102xx+P803	Código	33501201xx+P803	Código	33501201xx+P803
Nombre	GAROTA-PF/01 LED 9W beige	Nombre	GAROTA-S/01 LED 9W beige	Número	1
Familia	- BOVER	Fecha	09-09-2015	Posición	Universal

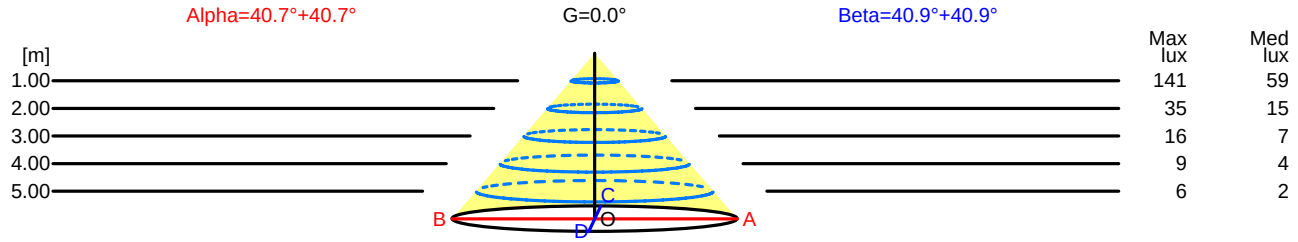
Flujo Luminaria	355.98 lm	Potencia luminaria	9.00 W	Eficencia	39.55 lm/W	Rendimiento	100.00%
Flujo de Lámpara	355.98 lm	Valor Máximo	397.11 cd/klm	Posición	C=0.00 G=0.00	CG	Bisimétrico

Apertura a 50.00 % de Max Intensidad

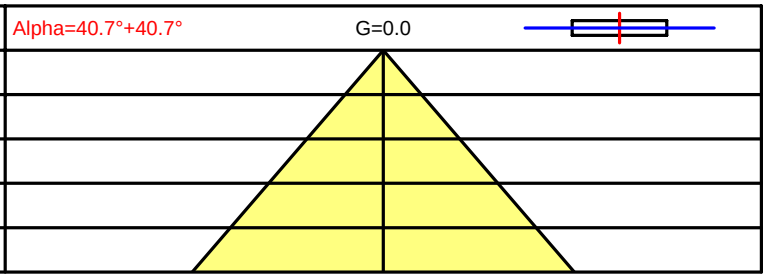
H[m]	1.00	2.00	3.00	4.00	5.00	H[m]	1.00	2.00	3.00	4.00	5.00
OA	0.86	1.72	2.58	3.44	4.31	OC	0.87	1.73	2.60	3.47	4.33
OB	0.86	1.72	2.58	3.44	4.31	OD	0.87	1.73	2.60	3.47	4.33

Intensidades Luminosas [cd/klm]

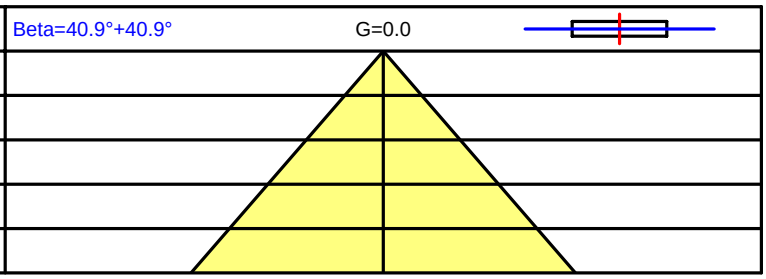
	0	5	15	25	35	45	55	65	75	85
OA	141.36	140.94	136.24	115.28	86.68	58.39	34.92	23.83	19.01	13.47
OB	141.36	140.94	136.24	115.28	86.68	58.39	34.92	23.83	19.01	13.47
OC	141.36	140.88	136.82	115.75	88.14	58.75	34.73	23.28	18.91	13.72
OD	141.36	140.88	136.82	115.75	88.14	58.75	34.73	23.28	18.91	13.72



H[m]	D[m]	Max lux	Med lux
1.00	1.72	141	59
2.00	3.44	35	15
3.00	5.17	16	7
4.00	6.89	9	4
5.00	8.61	6	2



H[m]	D[m]	Max lux	Med lux
1.00	1.73	141	59
2.00	3.47	35	15
3.00	5.20	16	7
4.00	6.93	9	4
5.00	8.66	6	2

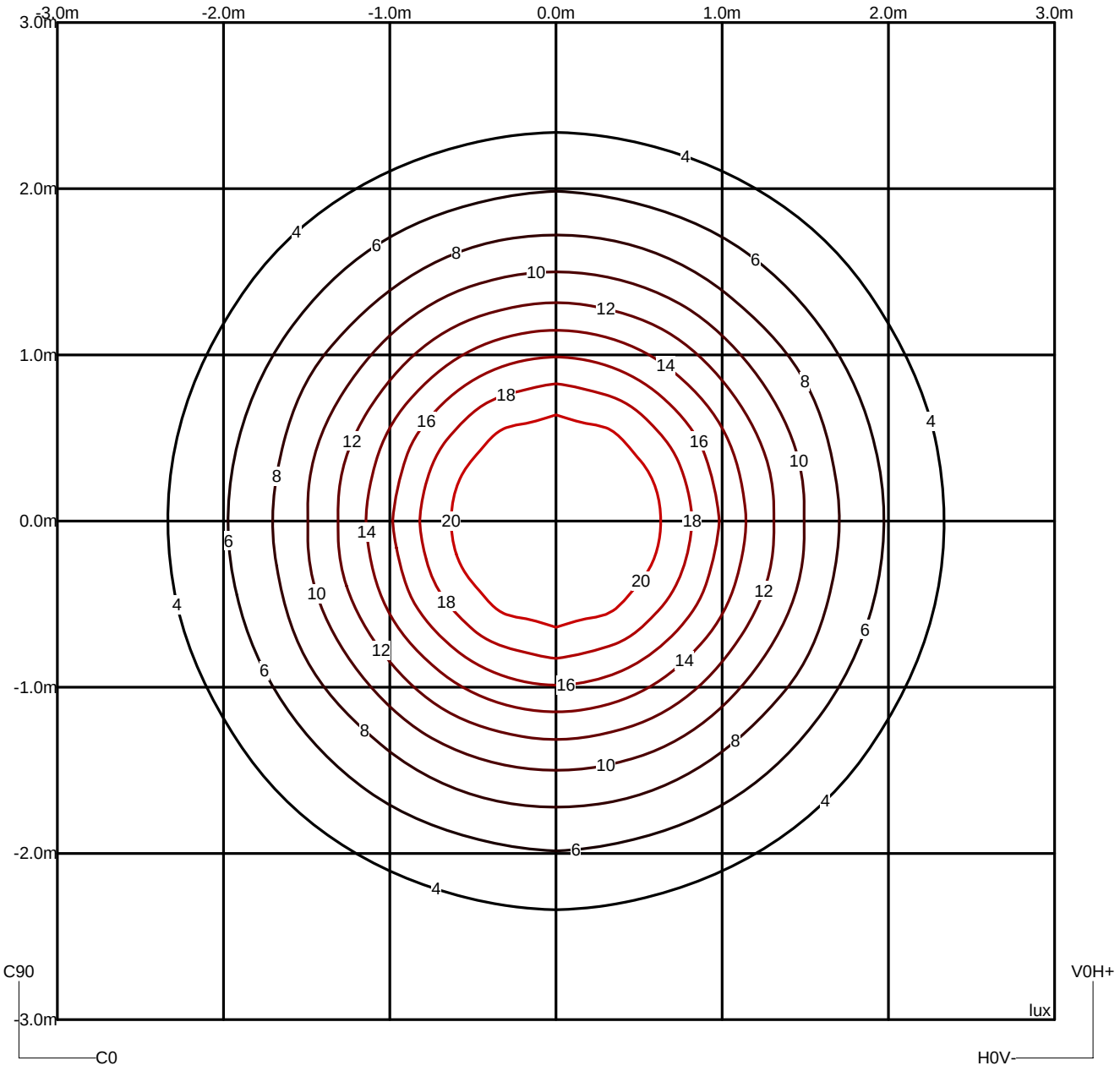


Luminaria		Ensayo		Lámpara	
Código	33501102xx+P803	Código	33501201xx+P803	Código	33501201xx+P803
Nombre	GAROTA-PF/01 LED 9W beige	Nombre	GAROTA-S/01 LED 9W beige	Número	1
Familia	- BOVER	Fecha	09-09-2015	Posición	Universal

Flujo Luminaria	355.98 lm	Potencia luminaria	9.00 W	Eficencia	39.55 lm/W	Rendimiento	100.00%
Flujo de Lámpara	355.98 lm	Valor Máximo	397.11 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	33501102xx+P803	Código	33501201xx+P803	Código	33501201xx+P803
Nombre	GAROTA-PF/01 LED 9W beige	Nombre	GAROTA-S/01 LED 9W beige	Número	1
Familia	- BOVER	Fecha	09-09-2015	Posición	Universal

Flujo Luminaria	355.98 lm	Potencia luminaria	9.00 W	Eficencia	39.55 lm/W	Rendimiento	100.00%
Flujo de Lámpara	355.98 lm	Valor Máximo	397.11 cd/klm	Posición	C=0.00 G=0.00	CG	Bisimétrico

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	323	290	276	249	276	238	212	181	188	160	154	116	129	88	150	124	110	105	84	104	89	77	64
0.80	365	335	297	274	319	262	250	219	210	185	173	138	146	106	173	144	130	122	101	124	106	93	76
1.00	394	367	306	287	349	274	280	249	224	202	187	154	158	122	189	159	146	136	116	139	119	106	85
1.25	420	396	311	295	377	283	309	280	236	216	200	170	171	137	203	174	162	150	131	154	134	121	95
1.50	439	417	313	299	397	288	332	305	244	226	209	182	181	149	213	185	174	161	143	166	145	132	102
2.00	464	445	311	300	425	290	366	343	253	239	222	200	196	169	226	201	191	178	162	183	164	151	114
2.50	479	464	307	299	443	290	390	369	258	246	231	211	207	183	234	211	203	191	176	195	177	165	122
3.00	490	477	304	298	456	289	408	389	261	251	237	220	215	194	240	219	211	200	187	203	187	175	128
4.00	505	495	301	296	473	289	433	418	266	258	245	232	226	209	247	229	223	213	202	216	201	190	136
5.00	515	506	298	294	485	288	450	437	268	262	250	239	234	219	252	236	231	222	213	224	211	201	142
10.00	534	529	290	288	508	283	487	480	272	269	261	255	251	243	261	251	248	242	237	241	233	225	155
20.00	543	541	284	283	520	279	508	504	273	271	267	264	261	257	264	259	257	253	251	251	246	239	162

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	410	393	352	338	383	331	302	287	267	255	224	209	193	178	249	211	206	183	176	203	177	173	154
0.80	467	449	389	376	435	366	354	338	306	293	262	246	230	213	284	247	240	218	210	235	210	203	181
1.00	506	488	410	398	471	387	393	375	331	318	289	272	256	239	307	271	265	243	234	258	233	225	199
1.25	542	525	429	419	505	406	431	413	355	343	315	298	283	265	328	295	288	268	258	279	255	246	217
1.50	569	554	443	433	530	420	461	443	373	362	335	319	305	286	345	314	307	288	278	297	274	263	231
2.00	602	588	454	446	561	432	500	483	392	382	359	344	332	314	363	336	330	312	303	316	296	282	247
2.50	624	612	460	454	582	439	527	512	405	397	376	362	351	334	375	351	345	330	321	330	312	296	258
3.00	639	628	464	459	596	444	547	533	414	406	388	375	365	349	383	362	357	342	334	339	323	306	266
4.00	668	659	478	474	624	458	583	570	434	428	412	401	392	378	403	384	380	368	360	361	346	327	284
5.00	690	682	491	487	646	471	610	599	450	445	431	422	413	401	419	403	399	388	381	378	365	345	300
10.00	749	745	528	526	705	510	682	676	497	494	485	480	474	466	466	456	453	446	441	428	420	396	346
20.00	791	789	557	556	746	540	733	729	532	531	525	522	518	514	501	495	493	489	486	466	461	435	382

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	597	578	557	541	566	532	467	452	450	437	394	379	354	340	429	380	374	344	337	370	337	332	317
0.80	693	672	638	623	655	609	554	536	529	514	471	453	428	410	501	451	445	413	404	437	403	394	378
1.00	770	748	701	686	726	670	628	607	594	578	537	516	493	471	561	512	505	474	463	494	460	449	432
1.25	841	820	758	744	792	725	698	676	654	638	599	577	556	532	616	570	562	533	521	548	515	501	483
1.50	894	874	799	786	842	765	753	730	699	684	647	625	604	580	658	614	606	578	565	589	558	540	521
2.00	972	954	856	846	915	822	836	815	767	753	721	699	681	656	721	683	675	650	637	652	624	602	583
2.50	1000	1000	893	884	963	859	893	872	811	798	769	749	734	710	762	728	721	699	686	694	669	644	623
3.00	1000	1000	918	910	998	884	935	915	842	830	805	786	772	749	791	761	754	735	722	724	702	673	652
4.00	1000	1000	948	942	1000	914	988	971	880	871	849	833	821	800	828	802	796	779	768	761	742	709	687
5.00	1000	1000	966	961	1000	933	1000	1000	904	896	877	863	852	834	850	828	823	808	798	785	768	732	710
10.00	1000	1000	1000	1000	1000	973	1000	1000	956	952	940	932	924	913	900	887	883	874	868	838	828	784	760
20.00	1000	1000	1000	1000	1000	995	1000	1000	986	984	977	972	968	961	929	922	920	914	911	870	864	816	791

LM53 SHR C0-C180: 1.086 SHR C90-C270: 1.097 SHR Superficial: 1.154

Luminaria		Ensayo		Lámpara	
Código	33501102xx+P803	Código	33501201xx+P803	Código	33501201xx+P803
Nombre	GAROTA-PF/01 LED 9W beige	Nombre	GAROTA-S/01 LED 9W beige	Número	1
Familia	- BOVER	Fecha	09-09-2015	Posición	Universal

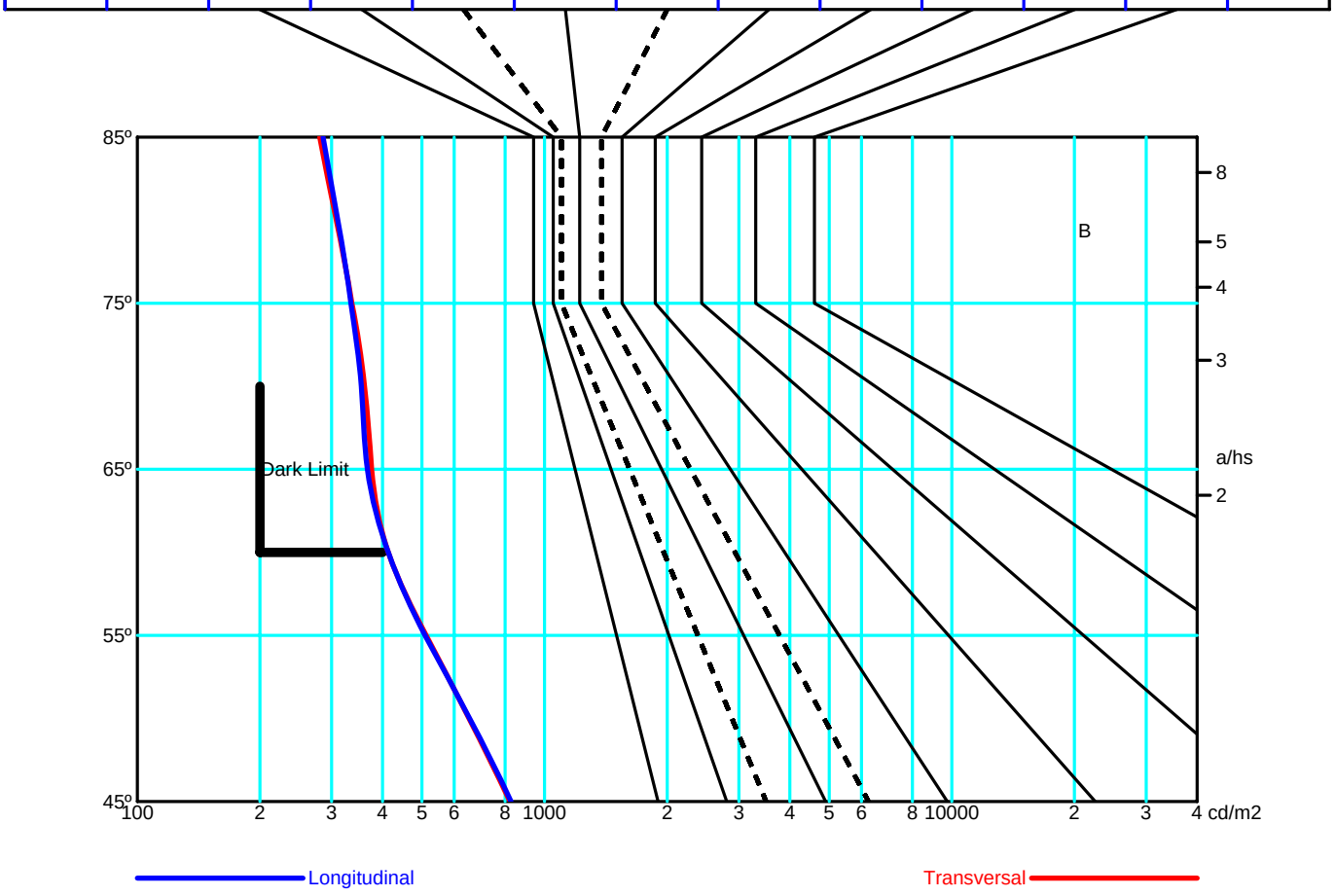
Flujo Luminaria	355.98 lm	Potencia luminaria	9.00 W	Eficencia	39.55 lm/W	Rendimiento	100.00%
Flujo de Lámpara	355.98 lm	Valor Máximo	397.11 cd/klm	Posición	C=0.00 G=0.00	CG	Bisimétrico

Luminancia Media [cd/m²]

	45°	50°	55°	60°	65°	70°	75°	80°	85°	
0.0°	822	653	512	413	376	362	336	309	280	---
90.0°	827	656	509	413	367	355	334	311	286	---

Flush mounted or transveral view

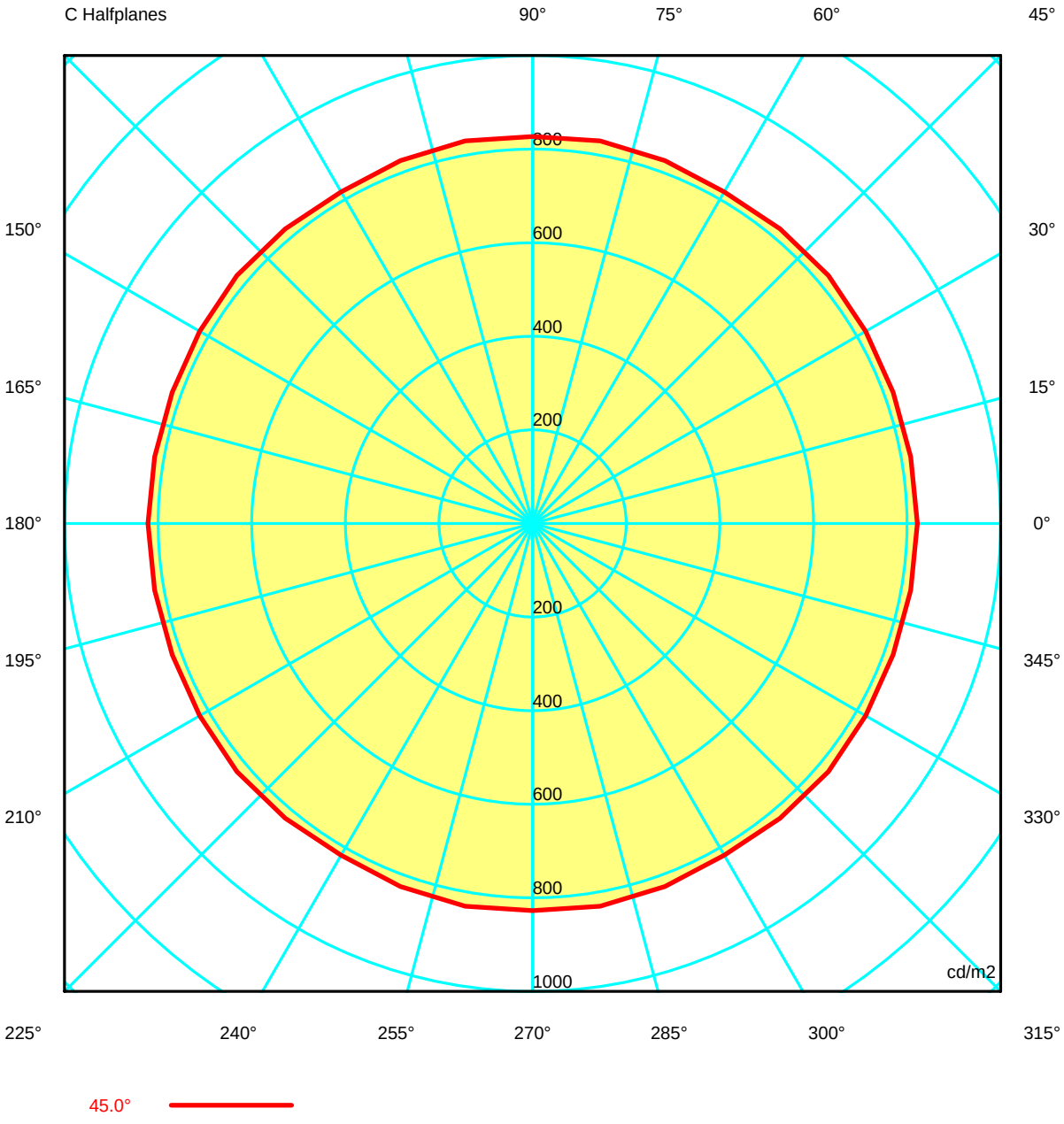
		Illumination(lx)										
A	A	2000	1000	750	500		<300					1.15
B	1		2000	1500	1000	750	500	<300				1.5
C					2000		1000	500	<300			1.85
D	2						2000	1000	500	<300		2.2
E	3							2000	1000	500	<300	2.55



Luminaria		Ensayo		Lámpara	
Código	33501102xx+P803	Código	33501201xx+P803	Código	33501201xx+P803
Nombre	GAROTA-PF/01 LED 9W beige	Nombre	GAROTA-S/01 LED 9W beige	Número	1
Familia	- BOVER	Fecha	09-09-2015	Posición	Universal

Flujo Luminaria	355.98 lm	Potencia luminaria	9.00 W	Eficencia	39.55 lm/W	Rendimiento	100.00%
Flujo de Lámpara	355.98 lm	Valor Máximo	397.11 cd/klm	Posición	C=0.00 G=0.00	CG	Bisimétrico

Luminancia



Luminaria
Código 33501102xx+P803
Nombre GAROTA-PF/01 LED 9W beige
Familia - BOVER

Ensayo
Código 33501201xx+P803
Nombre GAROTA-S/01 LED 9W beige
Fecha 09-09-2015

Lámpara
Código 33501201xx+P803
Número 1
Posición Universal

Flujo Luminaria	355.98 lm	Potencia luminaria	9.00 W	Eficencia	39.55 lm/W	Rendimiento	100.00%
Flujo de Lámpara	355.98 lm	Valor Máximo	397.11 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	2468.95	2468.95	2468.95	2468.95	2468.95	2468.95	2468.95	2468.95	2468.95	2468.95	2468.95	2468.95	2468.95
G 5.0	2318.03	2318.50	2318.58	2318.20	2317.76	2318.01	2318.41	2317.65	2317.14	2317.03	2317.14	2317.65	2318.41
G 10.0	2185.48	2185.68	2186.97	2188.54	2186.14	2185.47	2187.71	2188.35	2187.81	2187.06	2187.81	2188.35	2187.71
G 15.0	2049.08	2049.11	2049.37	2047.14	2041.60	2049.57	2057.98	2037.96	2032.66	2057.87	2032.66	2037.96	2057.98
G 20.0	1856.90	1844.85	1848.07	1859.18	1856.79	1856.34	1859.50	1856.19	1856.40	1864.11	1856.40	1856.19	1859.50
G 25.0	1643.34	1638.73	1642.07	1647.49	1642.53	1641.94	1647.92	1647.39	1647.39	1650.11	1647.39	1647.39	1647.92
G 30.0	1420.99	1439.27	1438.33	1424.49	1422.87	1432.58	1439.69	1431.69	1426.16	1430.75	1426.16	1431.69	1439.69
G 35.0	1209.24	1202.27	1212.35	1226.44	1216.39	1210.97	1220.92	1228.23	1230.38	1229.66	1230.38	1228.23	1220.92
G 40.0	1016.08	1018.33	1012.50	1005.84	1013.64	1022.90	1020.44	1006.56	1005.99	1024.64	1005.99	1006.56	1020.44
G 45.0	821.98	820.09	819.60	821.50	824.74	822.20	818.56	825.58	830.33	827.14	830.33	825.58	818.56
G 50.0	653.31	650.93	654.73	659.96	655.65	649.34	651.63	665.17	668.46	655.65	668.46	665.17	651.63
G 55.0	511.79	526.62	523.37	510.00	512.47	513.86	514.17	514.17	512.72	508.97	512.72	514.17	514.17
G 60.0	413.24	410.83	413.61	417.61	413.55	407.08	406.72	415.46	419.14	413.24	419.14	415.46	406.72
G 65.0	376.22	375.54	374.64	373.45	372.10	371.15	369.96	367.48	366.39	367.42	366.39	367.48	369.96
G 70.0	362.01	360.88	361.69	362.61	360.18	358.58	358.39	356.16	354.97	354.79	354.97	356.16	358.39
G 75.0	336.26	336.67	337.83	339.15	337.41	335.21	335.24	337.63	337.78	334.46	337.78	337.63	335.24
G 80.0	308.56	313.46	311.50	306.83	309.83	311.84	311.62	310.53	310.49	311.21	310.49	310.53	311.62
G 85.0	280.44	274.99	274.46	277.52	277.63	277.69	277.70	283.74	287.33	285.74	287.33	283.74	277.70
G 90.0	277.91	279.67	279.44	278.05	278.17	278.31	278.45	281.40	282.88	283.08	282.88	281.40	278.45

Luminaria
Código 33501102xx+P803
Nombre GAROTA-PF/01 LED 9W beige
Familia - BOVER

Ensayo
Código 33501201xx+P803
Nombre GAROTA-S/01 LED 9W beige
Fecha 09-09-2015

Lámpara
Código 33501201xx+P803
Número 1
Posición Universal

Flujo Luminaria	355.98 lm	Potencia luminaria	9.00 W	Eficencia	39.55 lm/W	Rendimiento	100.00%
Flujo de Lámpara	355.98 lm	Valor Máximo	397.11 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	2468.95	2468.95	2468.95	2468.95	2468.95	2468.95	2468.95	2468.95	2468.95	2468.95	2468.95	2468.95	2468.95
G 5.0	2318.01	2317.76	2318.20	2318.58	2318.50	2318.03	2318.50	2318.58	2318.20	2317.76	2318.01	2318.41	2317.65
G 10.0	2185.47	2186.14	2188.54	2186.97	2185.68	2185.48	2185.68	2186.97	2188.54	2186.14	2185.47	2187.71	2188.35
G 15.0	2049.57	2041.60	2047.14	2049.37	2049.11	2049.08	2049.11	2049.37	2047.14	2041.60	2049.57	2057.98	2037.96
G 20.0	1856.34	1856.79	1859.18	1848.07	1844.85	1856.90	1844.85	1848.07	1859.18	1856.79	1856.34	1859.50	1856.19
G 25.0	1641.94	1642.53	1647.49	1642.07	1638.73	1643.34	1638.73	1642.07	1647.49	1642.53	1641.94	1647.92	1647.39
G 30.0	1432.58	1422.87	1424.49	1438.33	1439.27	1420.99	1439.27	1438.33	1424.49	1422.87	1432.58	1439.69	1431.69
G 35.0	1210.97	1216.39	1226.44	1212.35	1202.27	1209.24	1202.27	1212.35	1226.44	1216.39	1210.97	1220.92	1228.23
G 40.0	1022.90	1013.64	1005.84	1012.50	1018.33	1016.08	1018.33	1012.50	1005.84	1013.64	1022.90	1020.44	1006.56
G 45.0	822.20	824.74	821.50	819.60	820.09	821.98	820.09	819.60	821.50	824.74	822.20	818.56	825.58
G 50.0	649.34	655.65	659.96	654.73	650.93	653.31	650.93	654.73	659.96	655.65	649.34	651.63	665.17
G 55.0	513.86	512.47	510.00	523.37	526.62	511.79	526.62	523.37	510.00	512.47	513.86	514.17	514.17
G 60.0	407.08	413.55	417.61	413.61	410.83	413.24	410.83	413.61	417.61	413.55	407.08	406.72	415.46
G 65.0	371.15	372.10	373.45	374.64	375.54	376.22	375.54	374.64	373.45	372.10	371.15	369.96	367.48
G 70.0	358.58	360.18	362.61	361.69	360.88	362.01	360.88	361.69	362.61	360.18	358.58	358.39	356.16
G 75.0	335.21	337.41	339.15	337.83	336.67	336.26	336.67	337.83	339.15	337.41	335.21	335.24	337.63
G 80.0	311.84	309.83	306.83	311.50	313.46	308.56	313.46	311.50	306.83	309.83	311.84	311.62	310.53
G 85.0	277.69	277.63	277.52	274.46	274.99	280.44	274.99	274.46	277.52	277.63	277.69	277.70	283.74
G 90.0	278.31	278.17	278.05	279.44	279.67	277.91	279.67	279.44	278.05	278.17	278.31	278.45	281.40

Luminaria
Código 33501102xx+P803
Nombre GAROTA-PF/01 LED 9W beige
Familia - BOVER

Ensayo
Código 33501201xx+P803
Nombre GAROTA-S/01 LED 9W beige
Fecha 09-09-2015

Lámpara
Código 33501201xx+P803
Número 1
Posición Universal

Flujo Luminaria	355.98 lm	Potencia luminaria	9.00 W	Eficencia	39.55 lm/W	Rendimiento	100.00%
Flujo de Lámpara	355.98 lm	Valor Máximo	397.11 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	2468.95	2468.95	2468.95	2468.95	2468.95	2468.95	2468.95	2468.95	2468.95	2468.95
G 5.0	2317.14	2317.03	2317.14	2317.65	2318.41	2318.01	2317.76	2318.20	2318.58	2318.50
G 10.0	2187.81	2187.06	2187.81	2188.35	2187.71	2185.47	2186.14	2188.54	2186.97	2185.68
G 15.0	2032.66	2057.87	2032.66	2037.96	2057.98	2049.57	2041.60	2047.14	2049.37	2049.11
G 20.0	1856.40	1864.11	1856.40	1856.19	1859.50	1856.34	1856.79	1859.18	1848.07	1844.85
G 25.0	1647.39	1650.11	1647.39	1647.39	1647.92	1641.94	1642.53	1647.49	1642.07	1638.73
G 30.0	1426.16	1430.75	1426.16	1431.69	1439.69	1432.58	1422.87	1424.49	1438.33	1439.27
G 35.0	1230.38	1229.66	1230.38	1228.23	1220.92	1210.97	1216.39	1226.44	1212.35	1202.27
G 40.0	1005.99	1024.64	1005.99	1006.56	1020.44	1022.90	1013.64	1005.84	1012.50	1018.33
G 45.0	830.33	827.14	830.33	825.58	818.56	822.20	824.74	821.50	819.60	820.09
G 50.0	668.46	655.65	668.46	665.17	651.63	649.34	655.65	659.96	654.73	650.93
G 55.0	512.72	508.97	512.72	514.17	514.17	513.86	512.47	510.00	523.37	526.62
G 60.0	419.14	413.24	419.14	415.46	406.72	407.08	413.55	417.61	413.61	410.83
G 65.0	366.39	367.42	366.39	367.48	369.96	371.15	372.10	373.45	374.64	375.54
G 70.0	354.97	354.79	354.97	356.16	358.39	358.58	360.18	362.61	361.69	360.88
G 75.0	337.78	334.46	337.78	337.63	335.24	335.21	337.41	339.15	337.83	336.67
G 80.0	310.49	311.21	310.49	310.53	311.62	311.84	309.83	306.83	311.50	313.46
G 85.0	287.33	285.74	287.33	283.74	277.70	277.69	277.63	277.52	274.46	274.99
G 90.0	282.88	283.08	282.88	281.40	278.45	278.31	278.17	278.05	279.44	279.67