bover
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Luminaria		**Ensayo**		**Lámpara**	
Código	01320xx U + P-688C	Código	01320xx+P-688C	Código	49885
Nombre	SIAM-01 3x20W T4 E26 roja	Nombre	SIAM-01 3x22W E27 roja+opal	Número	3
Familia	- BOVER	Fecha	18-09-2013	Posición	Universal

Rendimiento	31.33%	Sist. de Coorden.	CG	Flujo Total	3600.00 lm
Valor Máximo	69.15 cd/klm	Posición	C=90.00 G=145.00	Bisimétrico	

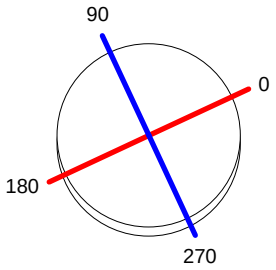
Luminaria Redonda	Diam.	800 mm	Altura	190 mm	
Área Luminosa Redonda	Diam.	800 mm	Altura	190 mm	
Área Luminosa Horizontal	0.502655 m2		Área Emisión sobre Pl. 180°	0.152000 m2	
Área Emisión sobre Pl. 0°	0.152000 m2		Área Emisión sobre Pl. 270°	0.152000 m2	
Área Emisión sobre Pl. 90°	0.152000 m2		Área de deslumbramiento a 76°	0.269088 m2	
Tipo de Simetría	Bisimétrico		Máximo Ángulo Gamma	180	
Distancia de Ensayo	6.44		Flujo de Ensayo	4468.00 lm	
Operador	Asselum T2		Tensión de alimentación		
Temperatura	24.00 °C		Corriente de alimentación		
Humedad	53.00 %		Fotocélula	PRC	
Notas					

Lámparas de la Luminaria

Familia	Código	Nombre	Flujo [lm]	Pot. [W]	Cant.
- BOVER	49885	FLE20TBX/2/SW/CD	1200.00	20.00	3

C.I.E.	42 71 90 16 31	D DIN 5040	D33
F UTE	0.05 G + 0.26 T	B NBN	BZ 5

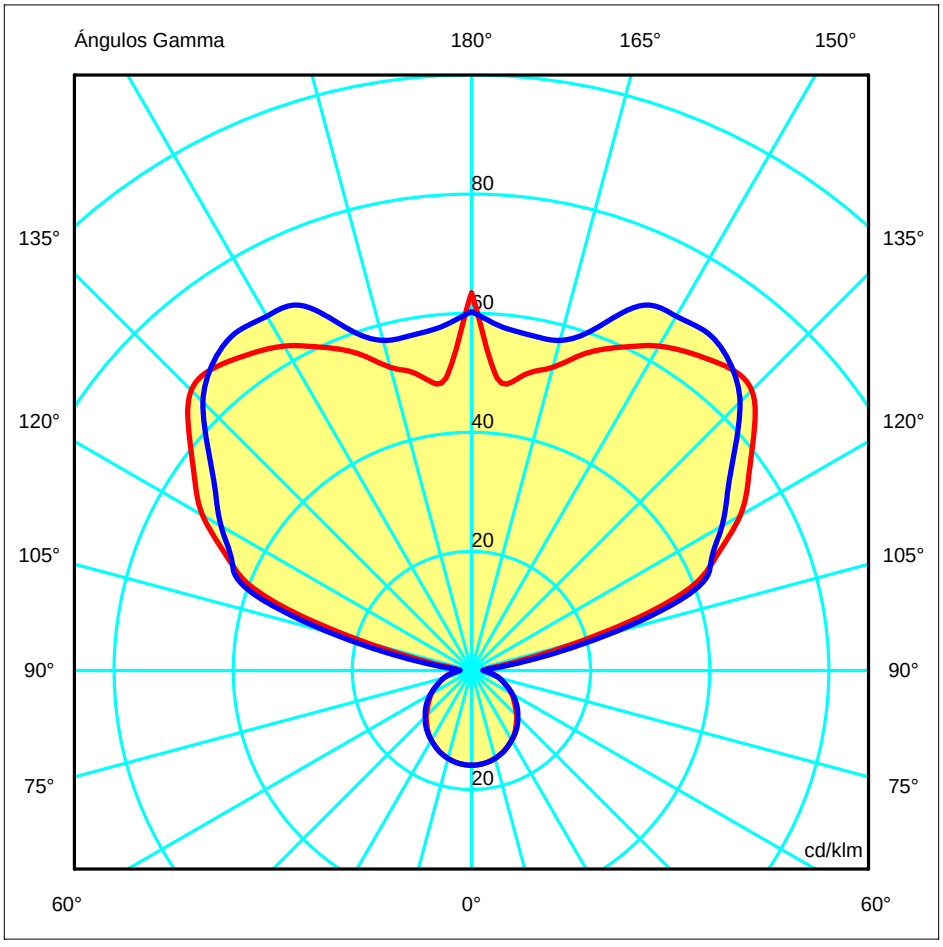
Diam=800mm



Semiplanos C

180.0 — 0.0

270.0 — 90.0



ULOR	26.23 %
DLOR	5.11 %
RN	83.70 %

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Luminaria		Ensayo		Lámpara	
Código	01320xx U + P-688C	Código	01320xx+P-688C	Código	49885
Nombre	SIAM-01 3x20W T4 E26 roja	Nombre	SIAM-01 3x22W E27 roja+opal	Número	3
Familia	- BOVER	Fecha	18-09-2013	Posición	Universal

Rendimiento	31.33%	Sist. de Coorden.	CG	Flujo Total	3600.00 lm

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

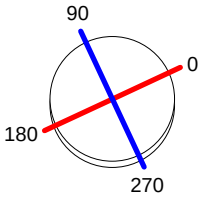
	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	15.90	15.90	15.90	15.90	15.90	15.90	15.90
G 5.0	15.82	15.83	15.84	15.82	15.80	15.82	15.85
G 10.0	15.64	15.59	15.60	15.58	15.60	15.61	15.61
G 15.0	15.24	15.22	15.23	15.23	15.22	15.24	15.30
G 20.0	14.80	14.71	14.72	14.73	14.75	14.81	14.79
G 25.0	14.19	14.08	14.09	14.14	14.15	14.19	14.24
G 30.0	13.46	13.35	13.35	13.37	13.47	13.53	13.48
G 35.0	12.69	12.49	12.53	12.59	12.68	12.76	12.78
G 40.0	11.68	11.55	11.63	11.74	11.80	11.90	12.01
G 45.0	10.78	10.58	10.68	10.74	10.90	11.01	10.99
G 50.0	9.62	9.54	9.66	9.77	9.91	9.95	10.11
G 55.0	8.69	8.55	8.62	8.75	8.92	9.03	9.01
G 60.0	7.83	7.61	7.63	7.79	7.82	7.92	8.00
G 65.0	6.70	6.55	6.58	6.72	6.78	6.82	6.71
G 70.0	5.78	5.54	5.63	5.74	5.72	5.69	5.69
G 75.0	4.79	4.64	4.69	4.71	4.70	4.67	4.82
G 80.0	3.93	3.63	3.68	3.66	3.73	3.70	3.65
G 85.0	2.78	2.66	2.66	2.68	2.65	2.63	2.66
G 90.0	2.11	2.06	2.03	2.03	2.01	2.01	1.95
G 95.0	2.51	2.94	2.93	2.89	2.90	2.92	2.88
G100.0	5.32	9.02	6.80	9.95	8.01	6.78	9.73
G105.0	18.81	23.96	26.10	23.75	25.28	26.60	24.58
G110.0	37.45	39.39	39.10	38.47	38.99	39.26	40.11
G115.0	45.31	46.70	46.48	46.28	45.87	47.48	44.45
G120.0	52.11	52.14	51.23	49.61	49.43	52.40	48.56
G125.0	56.81	56.62	55.46	52.25	54.42	54.83	52.53
G130.0	61.90	59.86	58.43	55.68	58.57	57.99	57.68
G135.0	66.54	62.30	60.53	59.30	60.18	60.96	63.76
G140.0	66.61	64.74	62.79	61.77	60.63	64.58	67.48
G145.0	64.89	67.37	66.23	63.79	61.17	66.44	69.15
G150.0	62.91	66.37	67.80	64.28	61.58	66.82	68.71
G155.0	59.91	62.88	66.29	61.72	61.12	66.60	67.64
G160.0	56.76	58.47	59.56	58.18	60.89	64.05	61.17
G165.0	52.73	52.52	52.14	54.13	58.41	61.27	57.39
G170.0	50.38	50.01	51.12	51.42	52.66	55.63	57.19
G175.0	49.27	38.03	53.91	51.66	53.34	54.48	57.96
G180.0	63.41	60.75	58.00	62.11	64.45	61.16	60.28

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Luminaria		Ensayo		Lámpara	
Código	01320xx U + P-688C	Código	01320xx+P-688C	Código	49885
Nombre	SIAM-01 3x20W T4 E26 roja	Nombre	SIAM-01 3x22W E27 roja+opal	Número	3
Familia	- BOVER	Fecha	18-09-2013	Posición	Universal

Rendimiento	31.33%	Sist. de Coorden.	CG	Flujo Total	3600.00 lm

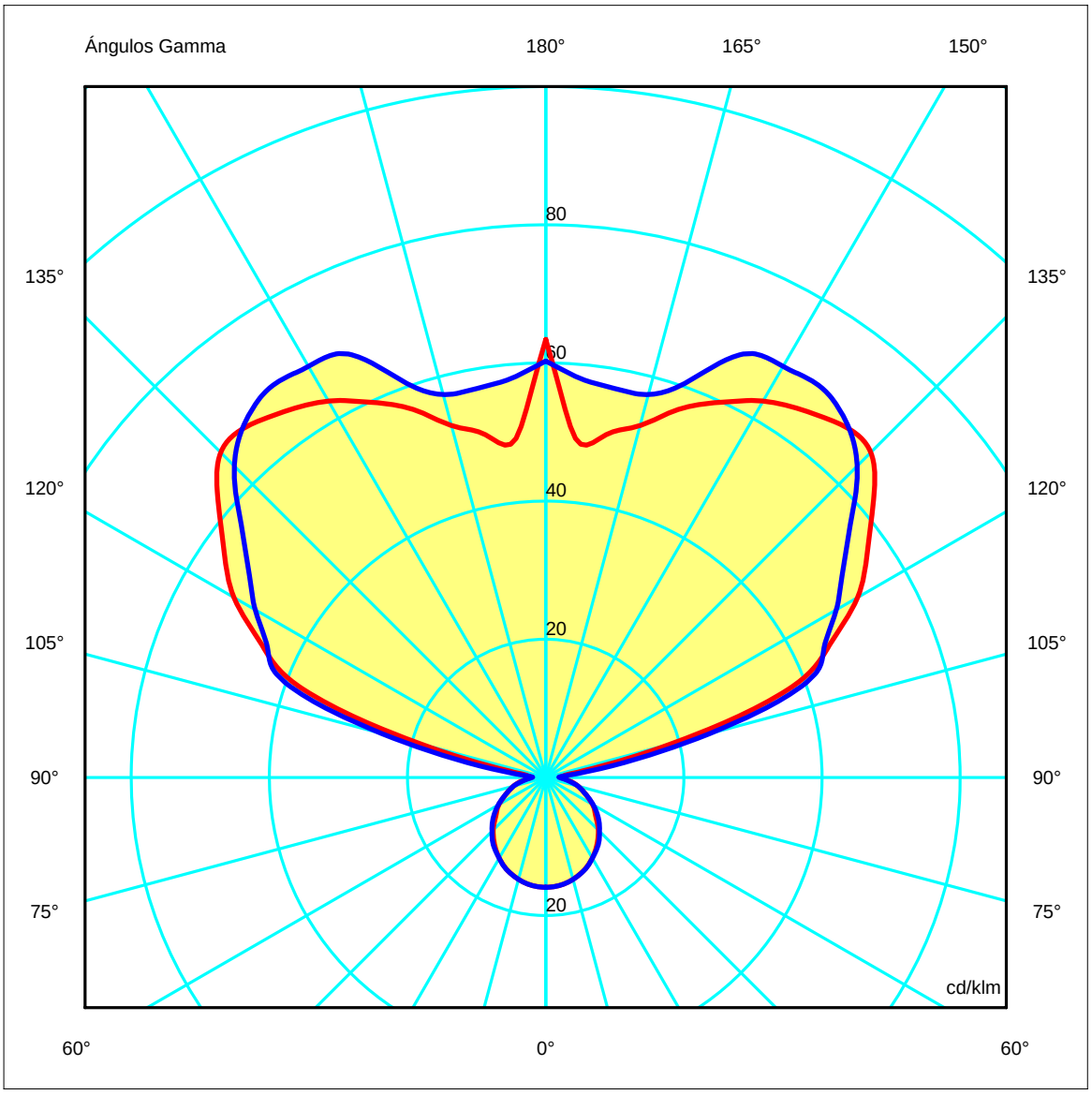
Diam=800mm



Semiplanos C

180.0 — 0.0

270.0 — 90.0

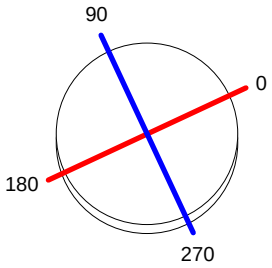


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Luminaria		Ensayo		Lámpara	
Código	01320xx U + P-688C	Código	01320xx+P-688C	Código	49885
Nombre	SIAM-01 3x20W T4 E26 roja	Nombre	SIAM-01 3x22W E27 roja+opal	Número	3
Familia	- BOVER	Fecha	18-09-2013	Posición	Universal

Rendimiento	31.33%	Sist. de Coorden.	CG	Flujo Total	3600.00 lm

Diam=800mm



Semiplanos C

180.0 — 0.0

270.0 — 90.0



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Luminaria		Ensayo		Lámpara	
Código	01320xx U + P-688C	Código	01320xx+P-688C	Código	49885
Nombre	SIAM-01 3x20W T4 E26 roja	Nombre	SIAM-01 3x22W E27 roja+opal	Número	3
Familia	- BOVER	Fecha	18-09-2013	Posición	Universal

Rendimiento	31.33%	Sist. de Coorden.	CG	Flujo Total	3600.00 lm

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	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0
x=2H y=3H	< 0	< 0	< 0	< 0	0.7	< 0	< 0	< 0	< 0	0.7
x=2H y=4H	< 0	< 0	< 0	< 0	1.4	< 0	< 0	< 0	< 0	1.4
x=2H y=6H	< 0	< 0	< 0	0.2	2.0	< 0	< 0	< 0	0.3	2.0
x=2H y=8H	< 0	< 0	0.1	0.5	2.3	< 0	< 0	0.1	0.5	2.3
x=2H y=12H	< 0	< 0	0.3	0.7	2.4	< 0	< 0	0.4	0.8	2.4
x=4H y=2H	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0
x=4H y=3H	< 0	< 0	< 0	< 0	1.3	< 0	< 0	< 0	< 0	1.3
x=4H y=4H	< 0	< 0	0.0	0.3	2.2	< 0	< 0	0.1	0.5	2.2
x=4H y=6H	< 0	< 0	0.8	1.1	2.9	< 0	< 0	0.9	1.2	2.9
x=4H y=8H	< 0	0.3	1.2	1.5	3.2	0.0	0.3	1.2	1.5	3.2
x=4H y=12H	0.2	0.5	1.5	1.7	3.5	0.3	0.6	1.5	1.8	3.5
x=8H y=4H	< 0	< 0	0.3	0.6	2.4	< 0	< 0	0.4	0.7	2.4
x=8H y=6H	0.1	0.3	1.3	1.5	3.3	0.1	0.4	1.4	1.6	3.3
x=8H y=8H	0.5	0.7	1.8	2.0	3.7	0.6	0.8	1.8	2.0	3.7
x=8H y=12H	0.9	1.1	2.2	2.4	4.1	1.0	1.2	2.2	2.4	4.1
x=12H y=4H	< 0	< 0	0.3	0.6	2.4	< 0	< 0	0.4	0.7	2.4
x=12H y=6H	0.2	0.4	1.4	1.6	3.4	0.2	0.4	1.5	1.6	3.4
x=12H y=8H	0.7	0.8	1.9	2.1	3.9	0.7	0.9	1.9	2.1	3.9

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Luminaria		**Ensayo**		**Lámpara**	
Código	01320xx U + P-688C	Código	01320xx+P-688C	Código	49885
Nombre	SIAM-01 3x20W T4 E26 roja	Nombre	SIAM-01 3x22W E27 roja+opal	Número	3
Familia	- BOVER	Fecha	18-09-2013	Posición	Universal

Rendimiento	31.33%	Sist. de Coorden.	CG	Flujo Total	3600.00 lm

Flujo Total=3600.00 Flujo Luminaria=1127.90

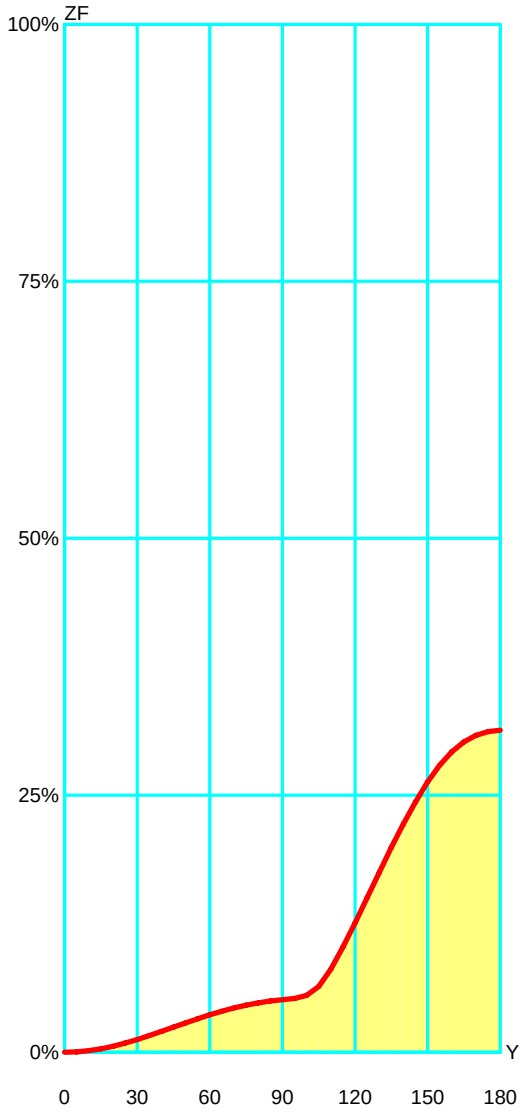
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.27	0.35	0.42	0.49	0.54	0.62	0.68	0.73	0.78	0.81	0.89	0.94
RC	6	6	6	6	6	6	6	6	6	6	6	6

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)	2	6	12	20	29	36	43	48	51	55	81	126	175	222	263	292	308	313

Códigos de Flujo C.I.E.
42 71 90 16 31

C.I.E.	6	LOR	31.33066 %
D DIN 5040	D33	ULOR	26.22528 %
F UTE	0.05 G + 0.26 T	DLOR	5.10538 %
B NBN	BZ 5	UFF	83.70485 %
RN	83.70485 %	DFF	16.29515 %
BLF	1.0	FFR	513.67936 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	0.38	0.38	0.12 %	0.12 %
10°	1.12	1.50	0.36 %	0.48 %
15°	1.83	3.33	0.58 %	1.06 %
20°	2.47	5.80	0.79 %	1.85 %
25°	3.03	8.83	0.97 %	2.82 %
30°	3.49	12.32	1.11 %	3.93 %
35°	3.84	16.16	1.22 %	5.16 %
40°	4.07	20.23	1.30 %	6.46 %
45°	4.17	24.40	1.33 %	7.79 %
50°	4.16	28.56	1.33 %	9.12 %
55°	4.04	32.60	1.29 %	10.40 %
60°	3.83	36.43	1.22 %	11.63 %
65°	3.52	39.95	1.12 %	12.75 %
70°	3.13	43.08	1.00 %	13.75 %
75°	2.71	45.79	0.87 %	14.61 %
80°	2.25	48.04	0.72 %	15.33 %
85°	1.73	49.77	0.55 %	15.88 %
90°	1.29	51.05	0.41 %	16.30 %
95°	1.34	52.40	0.43 %	16.72 %
100°	2.96	55.36	0.95 %	17.67 %
105°	8.72	64.08	2.78 %	20.45 %
110°	16.61	80.69	5.30 %	25.75 %
115°	21.59	102.28	6.89 %	32.65 %
120°	23.61	125.90	7.54 %	40.18 %
125°	24.40	150.30	7.79 %	47.97 %
130°	24.59	174.89	7.85 %	55.82 %
135°	24.21	199.10	7.73 %	63.55 %
140°	23.14	222.24	7.39 %	70.93 %
145°	21.51	243.75	6.87 %	77.80 %
150°	19.26	263.01	6.15 %	83.95 %
155°	16.35	279.36	5.22 %	89.16 %
160°	12.98	292.33	4.14 %	93.31 %
165°	9.53	301.86	3.04 %	96.35 %
170°	6.41	308.27	2.05 %	98.39 %
175°	3.69	311.96	1.18 %	99.57 %
180°	1.34	313.31	0.43 %	100.00 %

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Luminaria		Ensayo		Lámpara	
Código	01320xx U + P-688C	Código	01320xx+P-688C	Código	49885
Nombre	SIAM-01 3x20W T4 E26 roja	Nombre	SIAM-01 3x22W E27 roja+opal	Número	3
Familia	- BOVER	Fecha	18-09-2013	Posición	Universal

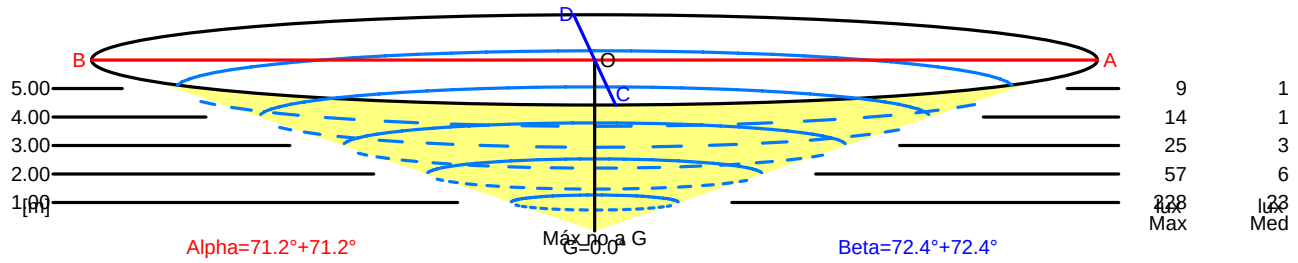
Rendimiento	31.33%	Sist. de Coorden.	CG	Flujo Total	3600.00 lm

Apertura a 50.00 % de MaxLux

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	2.94	5.89	8.83	11.77	14.71	OC	3.16	6.31	9.47	12.63	15.78
OB	2.94	5.89	8.83	11.77	14.71	OD	3.16	6.31	9.47	12.63	15.78

Intensidades Luminosas [cd/klm]

	0	5	15	25	35	45	55	65	75	85
OA	228.27	177.36	189.84	215.69	233.61	239.54	204.52	163.13	67.72	9.03
OB	228.27	177.36	189.84	215.69	233.61	239.54	204.52	163.13	67.72	9.03
OC	217.02	208.65	206.60	243.52	248.93	229.55	189.10	160.02	88.48	10.38
OD	217.02	208.65	206.60	243.52	248.93	229.55	189.10	160.02	88.48	10.38



5.00	29.43	9	1		
4.00	23.54	14	1		
3.00	17.66	25	3		
2.00	11.77	57	6		
1.00	5.89	228	23		
H[m]	D[m]	Max lux	Med lux	Alpha=71.2°+71.2°	Máx no a G G=0.0

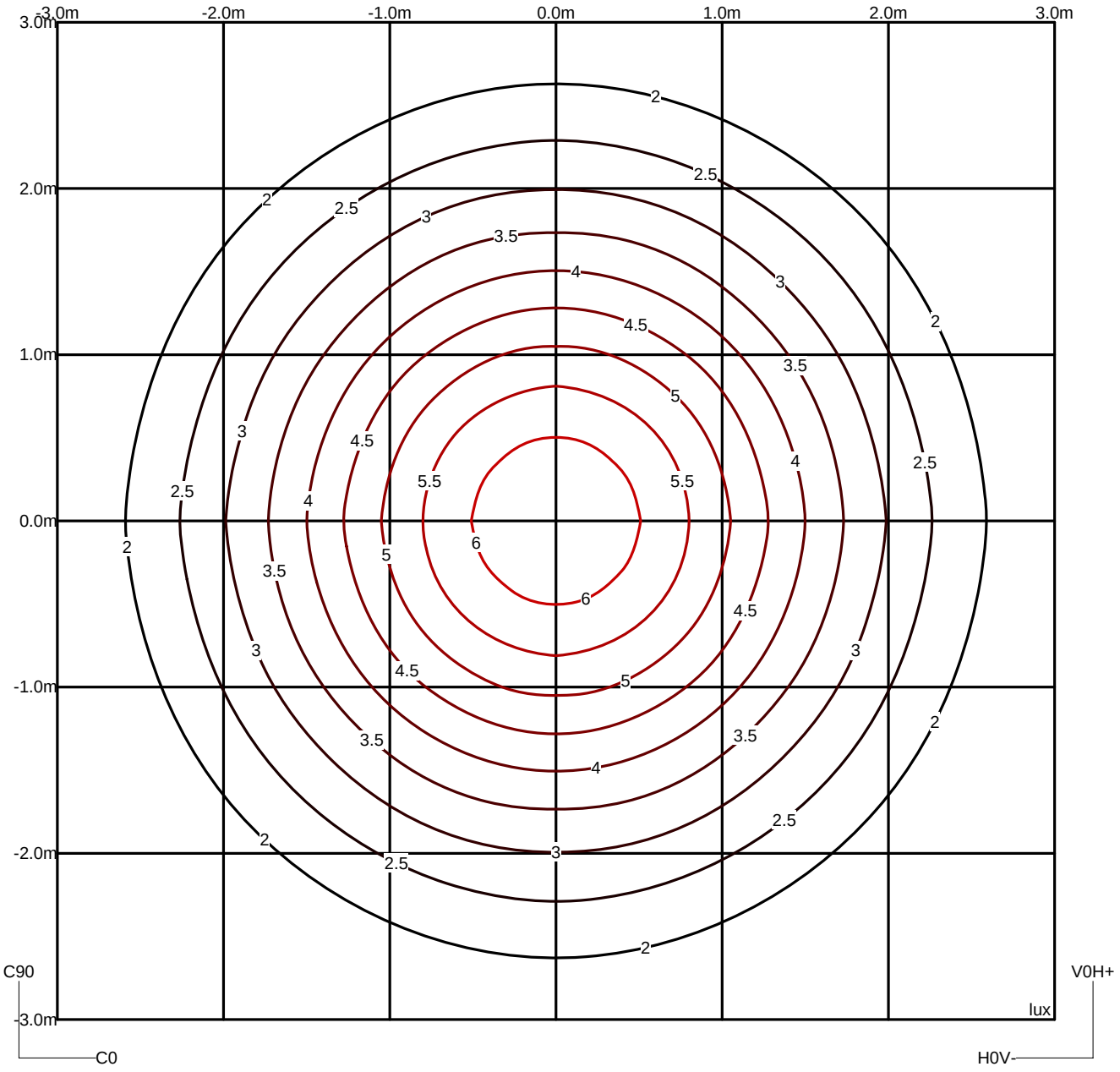
5.00	31.56	9	1		
4.00	25.25	14	1		
3.00	18.94	25	3		
2.00	12.63	57	6		
1.00	6.31	228	23		
H[m]	D[m]	Max lux	Med lux	Beta=72.4°+72.4°	Máx no a G G=0.0

Luminaria		Ensayo		Lámpara	
Código	01320xx U + P-688C	Código	01320xx+P-688C	Código	49885
Nombre	SIAM-01 3x20W T4 E26 roja	Nombre	SIAM-01 3x22W E27 roja+opal	Número	3
Familia	- BOVER	Fecha	18-09-2013	Posición	Universal

Rendimiento	31.33%	Sist. de Coorden.	CG	Flujo Total	3600.00 lm

Isolux (Suelo)

Posición Luminaria X=0.00m Y=0.00m Z=3.00m



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Luminaria		**Ensayo**		**Lámpara**	
Código	01320xx U + P-688C	Código	01320xx+P-688C	Código	49885
Nombre	SIAM-01 3x20W T4 E26 roja	Nombre	SIAM-01 3x22W E27 roja+opal	Número	3
Familia	- BOVER	Fecha	18-09-2013	Posición	Universal

Rendimiento	31.33%	Sist. de Coorden.	CG	Flujo Total	3600.00 lm

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	243	219	234	211	208	202	194	165	191	163	183	138	178	121	152	148	131	145	115	124	122	106	98
0.80	266	244	252	232	232	222	217	190	210	185	201	160	195	143	173	168	152	164	136	144	141	124	117
1.00	282	263	263	246	250	235	234	208	223	201	214	177	207	159	188	183	167	178	152	159	156	139	131
1.25	296	279	271	257	265	247	249	226	235	215	226	192	218	175	202	196	182	192	167	174	171	154	146
1.50	306	291	276	264	277	254	261	240	243	225	234	204	227	187	212	207	194	202	180	185	182	166	157
2.00	319	307	282	273	293	264	278	260	254	239	246	220	239	205	227	221	211	217	197	202	199	184	175
2.50	328	317	285	278	303	269	289	274	260	248	253	232	246	218	236	231	222	227	210	213	210	196	187
3.00	334	325	287	280	310	273	298	284	265	255	258	240	252	227	243	238	230	234	219	222	219	205	197
4.00	341	334	289	284	320	277	309	298	271	263	265	250	260	239	252	248	241	244	232	233	231	218	210
5.00	346	340	289	286	326	279	316	307	274	268	269	257	265	248	257	254	248	251	240	240	238	227	219
10.00	355	352	291	289	338	284	333	328	281	278	278	272	275	266	269	267	264	265	259	257	256	247	238
20.00	360	359	291	290	345	286	342	339	284	283	283	279	281	276	275	274	272	273	270	266	265	258	250

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	102	89	91	79	82	73	64	51	59	47	49	32	42	23	40	34	28	30	20	24	21	15	11
0.80	121	108	105	94	98	85	80	65	71	59	61	42	54	32	49	43	36	38	27	30	27	18	13
1.00	135	122	114	104	110	94	92	77	81	68	70	51	62	39	56	50	42	45	33	34	31	21	15
1.25	148	136	122	113	122	102	104	90	89	77	79	60	71	48	63	57	49	51	39	39	36	23	16
1.50	158	147	128	120	131	108	114	100	96	84	86	68	78	55	68	62	55	57	45	43	40	25	18
2.00	171	162	135	128	143	115	127	115	104	95	96	79	88	67	75	70	63	65	53	48	45	28	19
2.50	180	172	139	133	151	119	137	125	110	102	102	87	95	76	80	75	69	70	60	52	49	30	20
3.00	186	179	142	137	157	123	144	134	114	107	107	94	101	83	84	79	73	75	65	55	52	32	21
4.00	195	189	146	142	165	127	154	145	120	114	114	103	109	93	89	85	80	81	72	59	57	35	22
5.00	201	195	149	146	171	130	161	154	124	119	119	109	114	100	92	89	85	85	78	62	60	37	24
10.00	214	211	155	153	184	137	178	173	133	130	130	124	127	119	101	99	96	97	92	70	68	42	27
20.00	221	220	159	158	191	141	188	186	139	137	137	134	135	131	106	105	104	104	101	75	74	45	29

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	116	102	109	96	93	88	72	59	70	57	57	40	49	30	48	40	34	34	25	29	25	18	14
0.80	147	131	135	122	119	110	96	80	92	77	78	57	68	44	64	55	47	48	36	38	34	23	18
1.00	170	155	155	142	139	128	116	99	110	94	96	72	85	57	77	68	59	61	47	47	43	28	21
1.25	194	179	175	162	159	146	137	119	128	112	114	90	103	73	90	81	72	74	59	56	52	34	25
1.50	212	197	189	178	175	159	153	136	142	127	129	104	118	87	101	92	83	85	69	64	59	38	28
2.00	237	225	209	199	198	178	178	162	163	149	151	127	141	110	117	109	100	103	87	75	71	45	32
2.50	255	244	222	214	214	191	196	180	178	165	166	145	157	128	129	122	113	115	100	84	80	49	35
3.00	267	257	232	224	225	200	209	195	188	177	178	158	169	142	137	131	123	125	110	90	86	53	37
4.00	284	276	244	238	241	212	227	215	202	192	193	176	186	162	149	143	136	138	125	99	96	58	40
5.00	295	288	251	246	251	219	239	228	211	203	203	189	197	176	156	151	145	147	135	104	102	61	42
10.00	318	314	267	264	272	235	265	259	230	226	226	217	222	209	172	170	166	167	160	118	116	68	46
20.00	330	328	275	274	284	243	280	277	241	238	238	234	236	229	182	180	178	179	175	125	124	73	48

LM53 SHR C0-C180: 1.250 SHR C90-C270: 1.262 SHR Superficial: 1.383

bover
barcelona lights

Luminaria		Ensayo		Lámpara	
Código	01320xx U + P-688C	Código	01320xx+P-688C	Código	49885
Nombre	SIAM-01 3x20W T4 E26 roja	Nombre	SIAM-01 3x22W E27 roja+opal	Número	3
Familia	- BOVER	Fecha	18-09-2013	Posición	Universal

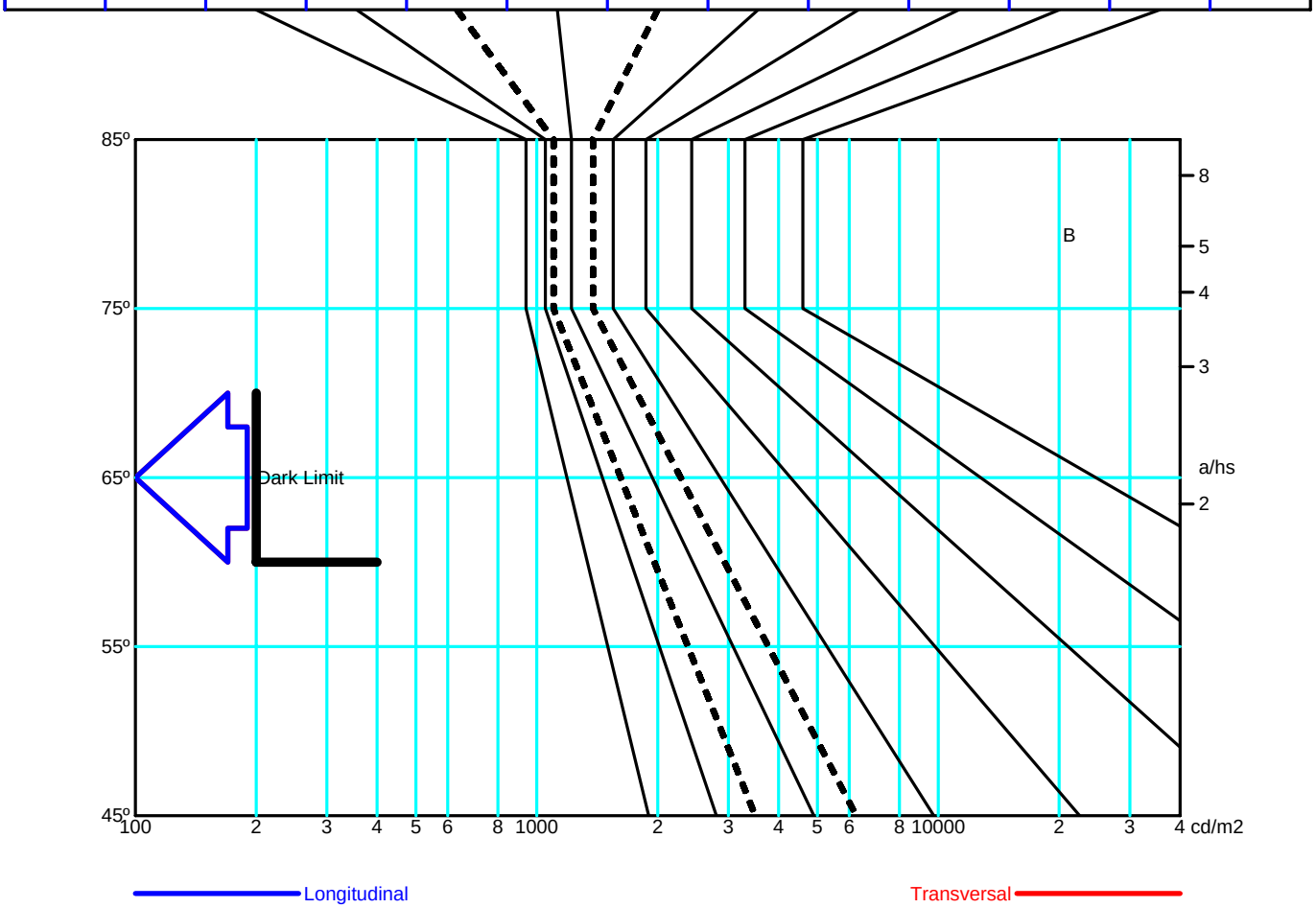
Rendimiento	31.33%	Sist. de Coorden.	CG	Flujo Total	3600.00 lm

Luminancia Media [cd/m²]

	45°	50°	55°	60°	65°	70°	75°	80°	85°	
0.0°	84	79	76	74	69	66	62	60	51	---
90.0°	85	83	79	75	69	65	63	55	49	---

Flujo montado o vista transversal

		Iluminancia (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

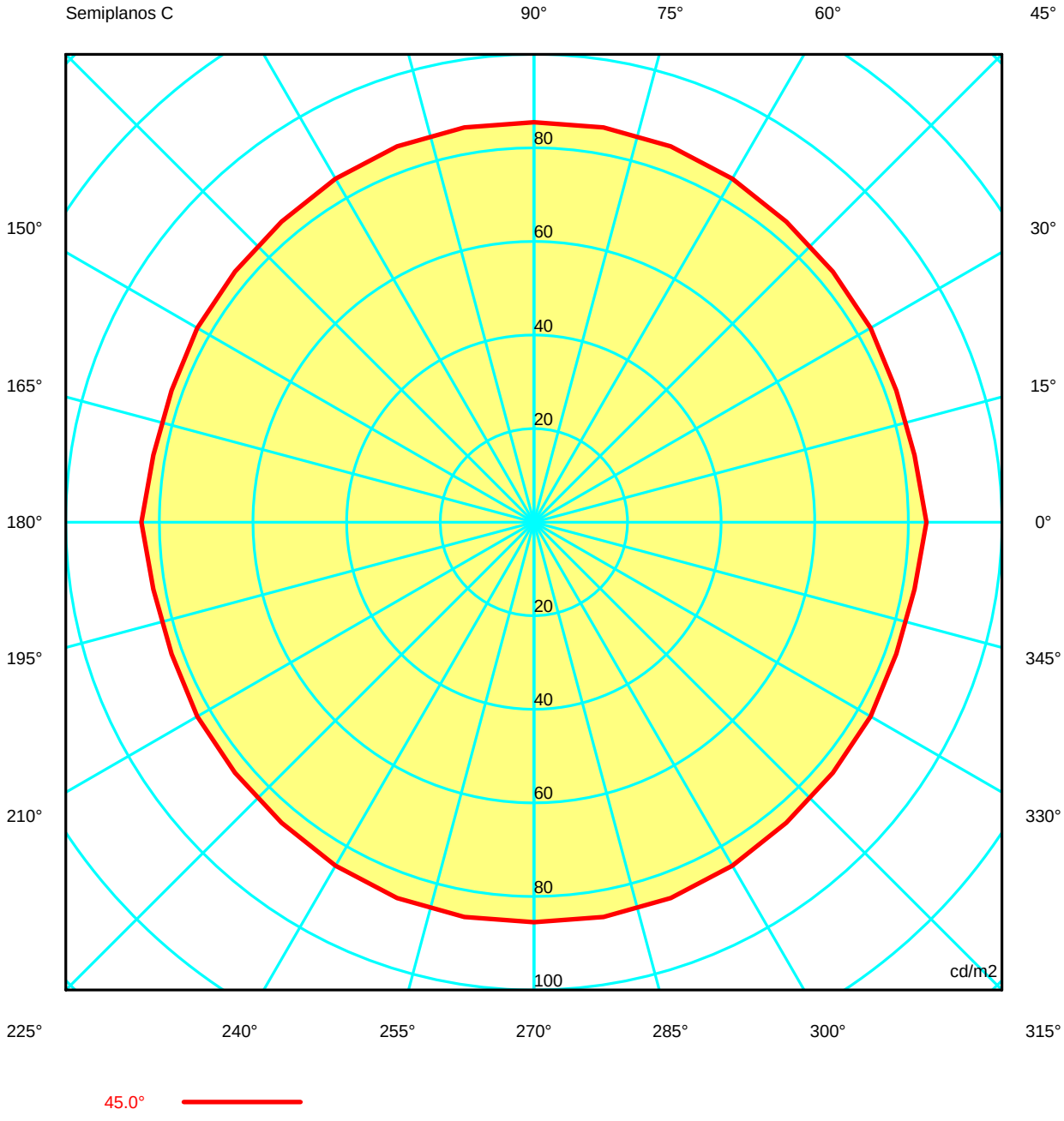


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barcelona lights

Luminaria		Ensayo		Lámpara	
Código	01320xx U + P-688C	Código	01320xx+P-688C	Código	49885
Nombre	SIAM-01 3x20W T4 E26 roja	Nombre	SIAM-01 3x22W E27 roja+opal	Número	3
Familia	- BOVER	Fecha	18-09-2013	Posición	Universal

Rendimiento	31.33%	Sist. de Coorden.	CG	Flujo Total	3600.00 lm

Luminancia



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Luminaria		Ensayo		Lámpara	
Código	01320xx U + P-688C	Código	01320xx+P-688C	Código	49885
Nombre	SIAM-01 3x20W T4 E26 roja	Nombre	SIAM-01 3x22W E27 roja+opal	Número	3
Familia	- BOVER	Fecha	18-09-2013	Posición	Universal

Rendimiento	31.33%	Sist. de Coorden.	CG	Flujo Total	3600.00 lm

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	113.86	113.86	113.86	113.86	113.86	113.86	113.86	113.86	113.86	113.86	113.86	113.86	113.86
G 5.0	110.78	110.84	110.89	110.91	110.88	110.77	110.68	110.74	110.87	111.02	110.87	110.74	110.68
G 10.0	107.96	107.70	107.63	107.69	107.60	107.58	107.69	107.76	107.79	107.77	107.79	107.76	107.69
G 15.0	104.56	104.45	104.42	104.46	104.49	104.46	104.42	104.47	104.65	104.91	104.65	104.47	104.42
G 20.0	101.62	101.14	100.95	101.05	101.14	101.17	101.26	101.56	101.69	101.54	101.69	101.56	101.26
G 25.0	98.31	97.72	97.44	97.55	97.84	97.98	97.98	98.17	98.43	98.65	98.43	98.17	97.98
G 30.0	94.77	94.15	93.93	94.02	94.04	94.32	94.86	95.22	95.22	94.94	95.22	95.22	94.86
G 35.0	91.56	90.41	90.07	90.43	90.71	91.03	91.47	91.92	92.17	92.23	92.17	91.92	91.47
G 40.0	87.11	86.30	86.16	86.70	87.31	87.72	88.00	88.46	88.99	89.52	88.99	88.46	88.00
G 45.0	83.84	82.54	82.36	83.03	83.34	83.87	84.78	85.47	85.67	85.49	85.67	85.47	84.78
G 50.0	78.81	78.22	78.36	79.10	79.66	80.41	81.17	81.37	81.80	82.80	81.80	81.37	81.17
G 55.0	75.77	74.81	74.62	75.19	75.88	76.78	77.80	78.55	78.77	78.55	78.77	78.55	77.80
G 60.0	73.64	72.07	71.34	71.74	72.82	73.42	73.53	74.10	74.76	75.23	74.76	74.10	73.53
G 65.0	68.83	67.71	67.24	67.64	68.63	69.36	69.70	70.06	69.85	68.94	69.85	70.06	69.70
G 70.0	66.08	63.89	63.34	64.35	65.34	65.65	65.40	65.11	65.01	65.09	65.01	65.11	65.40
G 75.0	62.32	60.71	60.37	61.03	61.28	61.25	61.05	60.67	61.14	62.62	61.14	60.67	61.05
G 80.0	59.77	56.13	55.42	55.93	55.73	55.91	56.70	56.54	55.96	55.46	55.96	56.54	56.70
G 85.0	51.24	49.54	48.82	49.10	49.47	49.37	48.85	48.49	48.60	49.11	48.60	48.49	48.85
G 90.0	50.06	49.10	48.38	48.03	48.00	47.85	47.66	47.70	47.39	46.22	47.39	47.70	47.66

bover
barcelona lights

Luminaria		Ensayo		Lámpara	
Código	01320xx U + P-688C	Código	01320xx+P-688C	Código	49885
Nombre	SIAM-01 3x20W T4 E26 roja	Nombre	SIAM-01 3x22W E27 roja+opal	Número	3
Familia	- BOVER	Fecha	18-09-2013	Posición	Universal

Rendimiento	31.33%	Sist. de Coorden.	CG	Flujo Total	3600.00 lm

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	113.86	113.86	113.86	113.86	113.86	113.86	113.86	113.86	113.86	113.86	113.86	113.86	113.86
G 5.0	110.77	110.88	110.91	110.89	110.84	110.78	110.84	110.89	110.91	110.88	110.77	110.68	110.74
G 10.0	107.58	107.60	107.69	107.63	107.70	107.96	107.70	107.63	107.69	107.60	107.58	107.69	107.76
G 15.0	104.46	104.49	104.46	104.42	104.45	104.56	104.45	104.42	104.46	104.49	104.46	104.42	104.47
G 20.0	101.17	101.14	101.05	100.95	101.14	101.62	101.14	100.95	101.05	101.14	101.17	101.26	101.56
G 25.0	97.98	97.84	97.55	97.44	97.72	98.31	97.72	97.44	97.55	97.84	97.98	97.98	98.17
G 30.0	94.32	94.04	94.02	93.93	94.15	94.77	94.15	93.93	94.02	94.04	94.32	94.86	95.22
G 35.0	91.03	90.71	90.43	90.07	90.41	91.56	90.41	90.07	90.43	90.71	91.03	91.47	91.92
G 40.0	87.72	87.31	86.70	86.16	86.30	87.11	86.30	86.16	86.70	87.31	87.72	88.00	88.46
G 45.0	83.87	83.34	83.03	82.36	82.54	83.84	82.54	82.36	83.03	83.34	83.87	84.78	85.47
G 50.0	80.41	79.66	79.10	78.36	78.22	78.81	78.22	78.36	79.10	79.66	80.41	81.17	81.37
G 55.0	76.78	75.88	75.19	74.62	74.81	75.77	74.81	74.62	75.19	75.88	76.78	77.80	78.55
G 60.0	73.42	72.82	71.74	71.34	72.07	73.64	72.07	71.34	71.74	72.82	73.42	73.53	74.10
G 65.0	69.36	68.63	67.64	67.24	67.71	68.83	67.71	67.24	67.64	68.63	69.36	69.70	70.06
G 70.0	65.65	65.34	64.35	63.34	63.89	66.08	63.89	63.34	64.35	65.34	65.65	65.40	65.11
G 75.0	61.25	61.28	61.03	60.37	60.71	62.32	60.71	60.37	61.03	61.28	61.25	61.05	60.67
G 80.0	55.91	55.73	55.93	55.42	56.13	59.77	56.13	55.42	55.93	55.73	55.91	56.70	56.54
G 85.0	49.37	49.47	49.10	48.82	49.54	51.24	49.54	48.82	49.10	49.47	49.37	48.85	48.49
G 90.0	47.85	48.00	48.03	48.38	49.10	50.06	49.10	48.38	48.03	48.00	47.85	47.66	47.70

bover
barcelona lights

Luminaria		Ensayo		Lámpara	
Código	01320xx U + P-688C	Código	01320xx+P-688C	Código	49885
Nombre	SIAM-01 3x20W T4 E26 roja	Nombre	SIAM-01 3x22W E27 roja+opal	Número	3
Familia	- BOVER	Fecha	18-09-2013	Posición	Universal

Rendimiento	31.33%	Sist. de Coorden.	CG	Flujo Total	3600.00 lm

Luminance cd/m2 **Tabla 3/3**

	C 180.00	C 190.00	C 200.00	C 210.00	C 220.00	C 230.00	C 240.00	C 250.00	C 260.00	C 270.00	C 280.00	C 290.00	C 300.00
G 0.0	113.86	113.86	113.86	113.86	113.86	113.86	113.86	113.86	113.86	113.86	113.86	113.86	113.86
G 5.0	110.78	110.84	110.89	110.91	110.88	110.77	110.68	110.74	110.87	111.02	110.87	110.74	110.68
G 10.0	107.96	107.70	107.63	107.69	107.60	107.58	107.69	107.76	107.79	107.77	107.79	107.76	107.69
G 15.0	104.56	104.45	104.42	104.46	104.49	104.46	104.42	104.47	104.65	104.91	104.65	104.47	104.42
G 20.0	101.62	101.14	100.95	101.05	101.14	101.17	101.26	101.56	101.69	101.54	101.69	101.56	101.26
G 25.0	98.31	97.72	97.44	97.55	97.84	97.98	97.98	98.17	98.43	98.65	98.43	98.17	97.98
G 30.0	94.77	94.15	93.93	94.02	94.04	94.32	94.86	95.22	95.22	94.94	95.22	95.22	94.86
G 35.0	91.56	90.41	90.07	90.43	90.71	91.03	91.47	91.92	92.17	92.23	92.17	91.92	91.47
G 40.0	87.11	86.30	86.16	86.70	87.31	87.72	88.00	88.46	88.99	89.52	88.99	88.46	88.00
G 45.0	83.84	82.54	82.36	83.03	83.34	83.87	84.78	85.47	85.67	85.49	85.67	85.47	84.78
G 50.0	78.81	78.22	78.36	79.10	79.66	80.41	81.17	81.37	81.80	82.80	81.80	81.37	81.17
G 55.0	75.77	74.81	74.62	75.19	75.88	76.78	77.80	78.55	78.77	78.55	78.77	78.55	77.80
G 60.0	73.64	72.07	71.34	71.74	72.82	73.42	73.53	74.10	74.76	75.23	74.76	74.10	73.53
G 65.0	68.83	67.71	67.24	67.64	68.63	69.36	69.70	70.06	69.85	68.94	69.85	70.06	69.70
G 70.0	66.08	63.89	63.34	64.35	65.34	65.65	65.40	65.11	65.01	65.09	65.01	65.11	65.40
G 75.0	62.32	60.71	60.37	61.03	61.28	61.25	61.05	60.67	61.14	62.62	61.14	60.67	61.05
G 80.0	59.77	56.13	55.42	55.93	55.73	55.91	56.70	56.54	55.96	55.46	55.96	56.54	56.70
G 85.0	51.24	49.54	48.82	49.10	49.47	49.37	48.85	48.49	48.60	49.11	48.60	48.49	48.85
G 90.0	50.06	49.10	48.38	48.03	48.00	47.85	47.66	47.70	47.39	46.22	47.39	47.70	47.66