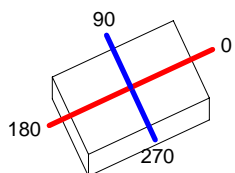


Luminaria		Ensayo		Lámpara		
Código	LAB 1	Código	LAB 1	Código	LAB 1	
Nombre	Aplique LAB 1 led 3W 700mA	Nombre	Aplique LAB 1 led 3W 700mA	Número	1	
Familia	- MARSET	Fecha	17-09-2013	Posición	Universal	
Rendimiento	100.00%	Sist. de Coordin.	CG	Flujo Total	88.82 lm	
Valor Máximo	9325.73 cd/klm	Posición	C=90.00 G=5.00	Sim. en los planos 270-90		
Luminaria Rectangular	Longit.	80 mm	Anchura	125 mm	Altura	125 mm
Área Luminosa Redonda	Diam.	25 mm	Altura	0 mm		
Área Luminosa Horizontal	0.000491 m2		Área Emisión sobre Pl. 180°	0.000000 m2		
Área Emisión sobre Pl. 0°	0.000000 m2		Área Emisión sobre Pl. 270°	0.000000 m2		
Área Emisión sobre Pl. 90°	0.000000 m2		Área de deslumbramiento a 76°	0.000119 m2		
Tipo de Simetría	Sim. en los planos 270-90	Máximo Ángulo Gamma		90		
Distancia de Ensayo	6.44	Flujo de Ensayo		88.82 lm		
Operador	Asselum T2	Tensión de alimentación		230.00 V		
Temperatura	23.00 °C	Corriente de alimentación				
Humedad	53.00 %	Fotocélula		PRC		
Notas						

Lámparas de la Luminaria					
Familia	Código	Nombre	Flujo [lm]	Pot. [W]	Cant.
- MARSET	LAB 1	Lámpara led blanco 3W	88.82	3.00	1
C.I.E.	90 97 99 100 100	D DIN 5040			
F UTE	1.00 A	B NBN	A60	BZ 1	

80mm x 125mm



Semiplanos C

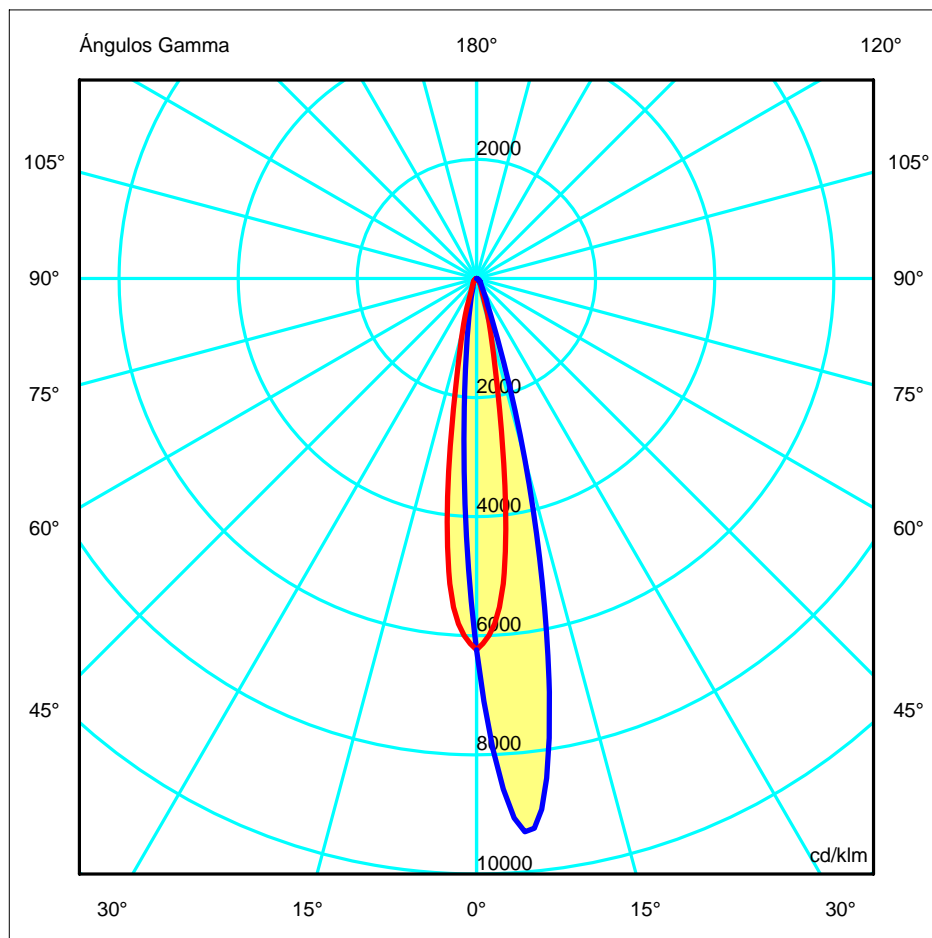
270.0 — 0.0

180.0 — 90.0

ULOR 0.00 %

DLOR 100.00 %

RN 0.00 %



Luminaria				Ensayo				Lámpara					
Código	LAB 1			Código	LAB 1			Código	LAB 1				
Nombre	Apliche LAB 1 led 3W 700mA			Nombre	Apliche LAB 1 led 3W 700mA			Número	1				
Familia	- MARSET			Fecha	17-09-2013			Posición	Universal				
Rendimiento	100.00%			Sist. de Coordin.	CG			Flujo Total	88.82 lm				
Tabla de Intensidad Luminosa cd/klm								Tabla 1/1					
	C 270.00	C 285.00	C 300.00	C 315.00	C 330.00	C 345.00	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	6234.85	6234.85	6234.85	6234.85	6234.85	6234.85	6234.85	6234.85	6234.85	6234.85	6234.85	6234.85	6234.85
G 5.0	2383.75	2795.15	2466.72	3239.03	2922.46	4517.28	5145.49	4493.84	7043.18	5845.27	8460.75	6565.02	9325.73
G 10.0	822.12	1073.68	875.04	1309.56	1081.89	2125.25	2234.39	1951.24	4024.28	2665.42	6239.52	3623.69	7049.47
G 15.0	348.24	361.34	338.64	482.36	445.85	690.87	898.85	661.43	1618.97	990.20	2459.60	1206.22	3081.61
G 20.0	185.31	178.12	187.03	209.88	209.86	304.43	355.72	303.05	525.57	376.89	823.72	479.72	881.02
G 25.0	137.35	116.15	132.15	136.54	146.35	172.98	187.26	161.89	262.10	186.85	331.69	196.10	384.86
G 30.0	105.58	88.71	103.26	97.93	108.18	120.56	131.29	119.12	169.41	127.60	186.88	128.67	214.42
G 35.0	89.34	73.37	87.13	80.38	90.02	95.47	97.00	92.23	118.50	93.30	132.13	92.72	143.71
G 40.0	71.52	60.31	71.82	65.33	74.50	76.58	80.28	75.22	96.78	77.46	106.35	75.98	114.40
G 45.0	52.57	47.65	53.16	52.67	57.54	62.83	64.27	62.27	78.02	62.04	86.94	62.36	91.25
G 50.0	37.60	31.98	37.17	39.67	43.11	47.33	50.99	47.05	64.01	50.85	71.26	50.69	76.22
G 55.0	24.49	22.83	24.74	26.69	28.31	34.88	36.85	35.33	47.56	38.58	56.56	39.92	60.07
G 60.0	15.60	14.91	15.67	18.08	19.11	23.19	25.40	23.00	34.71	26.73	41.23	27.62	45.27
G 65.0	9.37	9.09	9.93	11.13	11.65	15.33	17.20	15.61	24.09	17.97	28.01	19.11	32.07
G 70.0	6.18	6.20	6.63	7.28	7.71	10.11	10.68	10.04	15.16	10.96	18.09	11.87	20.02
G 75.0	3.59	3.46	3.86	4.63	4.84	6.08	6.98	6.33	10.12	7.25	11.87	7.65	13.44
G 80.0	1.62	2.09	1.61	2.50	2.64	3.87	4.22	4.11	6.04	4.16	7.20	4.79	7.68
G 85.0	1.62	1.01	1.13	1.28	1.52	1.74	2.24	2.03	3.38	2.30	4.33	2.83	4.96
G 90.0	1.62	1.06	1.37	1.28	1.49	1.17	1.18	1.39	1.52	1.40	2.08	1.82	2.71

Luminaria

Código LAB 1
 Nombre Aplique LAB 1 led 3W 700mA
 Familia - MARSET

Ensayo

Código LAB 1
 Nombre Aplique LAB 1 led 3W 700mA
 Fecha 17-09-2013

Lámpara

Código LAB 1
 Número 1
 Posición Universal

Rendimiento 100.00%

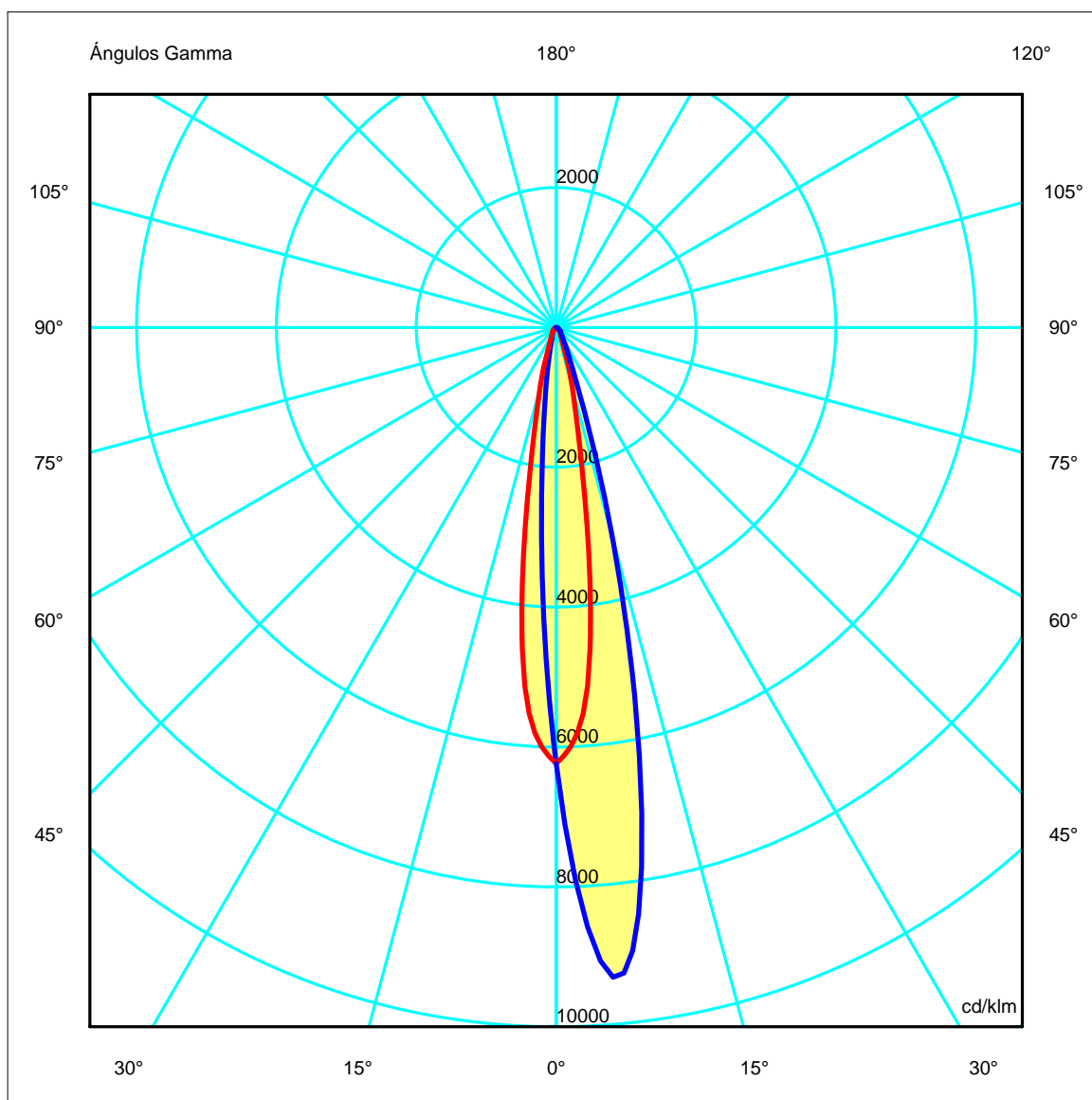
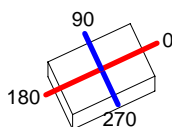
Sist. de Coord. CG

Flujo Total 88.82 lm

80mm x 125mm

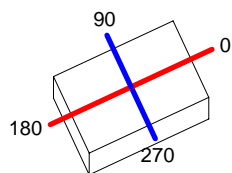
Semiplanos C

270.0 ————
 180.0 ———— 0.0
 ———— 90.0



Luminaria		Ensayo		Lámpara	
Código	LAB 1	Código	LAB 1	Código	LAB 1
Nombre	Apliche LAB 1 led 3W 700mA	Nombre	Apliche LAB 1 led 3W 700mA	Número	1
Familia	- MARSET	Fecha	17-09-2013	Posición	Universal
Rendimiento	100.00%	Sist. de Coord.	CG	Flujo Total	88.82 lm

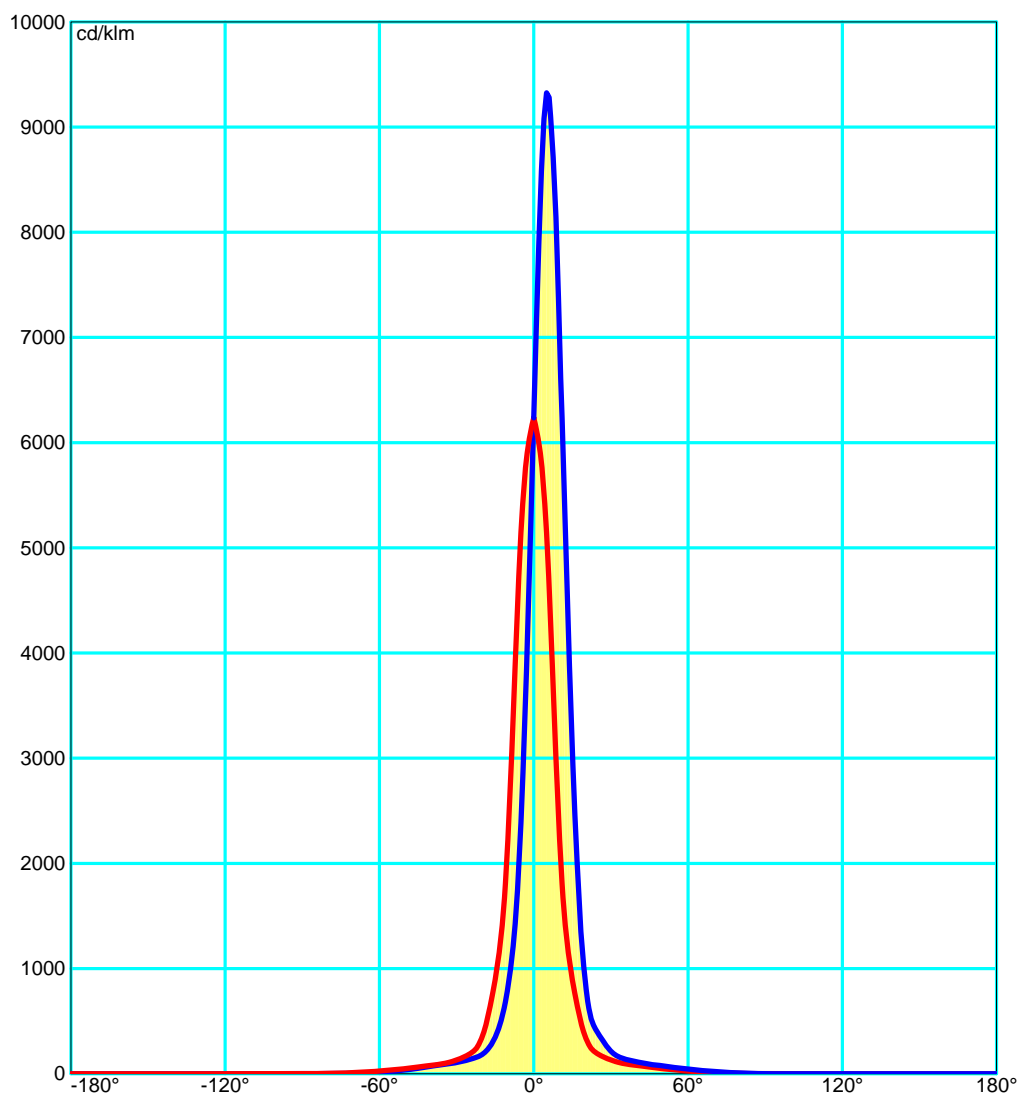
80mm x 125mm



Semiplanos C

270.0 ———— 0.0

180.0 ———— 90.0



Luminaria		Ensayo		Lámpara	
Código	LAB 1	Código	LAB 1	Código	LAB 1
Nombre	Aplique LAB 1 led 3W 700mA	Nombre	Aplique LAB 1 led 3W 700mA	Número	1
Familia	- MARSET	Fecha	17-09-2013	Posición	Universal
Rendimiento	100.00%	Sist. de Coorden.	CG	Flujo Total	88.82 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	15.9	16.7	16.2	16.9	14.6	13.5	14.2	13.7	14.4	14.6
x=2H y=3H	16.4	17.1	16.7	17.4	14.9	13.8	14.5	14.1	14.7	14.9
x=2H y=4H	16.6	17.3	16.9	17.5	15.0	13.9	14.5	14.2	14.7	15.0
x=2H y=6H	16.8	17.4	17.1	17.6	15.1	13.9	14.5	14.2	14.8	15.1
x=2H y=8H	16.8	17.4	17.2	17.7	15.1	13.9	14.5	14.2	14.8	15.1
x=2H y=12H	16.9	17.4	17.2	17.7	15.1	13.9	14.5	14.3	14.8	15.1
x=4H y=2H	16.3	16.9	16.6	17.2	14.9	13.8	14.4	14.1	14.7	14.9
x=4H y=3H	17.0	17.5	17.3	17.8	15.4	14.2	14.8	14.6	15.1	15.4
x=4H y=4H	17.2	17.7	17.6	18.1	15.5	14.4	14.8	14.7	15.2	15.5
x=4H y=6H	17.5	17.9	17.9	18.2	15.6	14.4	14.8	14.9	15.2	15.6
x=4H y=8H	17.6	17.9	18.0	18.3	15.6	14.5	14.8	14.9	15.2	15.6
x=4H y=12H	17.6	17.9	18.1	18.3	15.7	14.5	14.8	15.0	15.3	15.7
x=8H y=4H	17.4	17.7	17.8	18.1	15.6	14.5	14.8	14.9	15.2	15.6
x=8H y=6H	17.7	17.9	18.1	18.4	15.7	14.6	14.8	15.0	15.3	15.7
x=8H y=8H	17.8	18.0	18.3	18.5	15.8	14.6	14.9	15.1	15.3	15.8
x=8H y=12H	17.9	18.1	18.4	18.6	15.8	14.7	14.9	15.2	15.4	15.8
x=12H y=4H	17.4	17.7	17.8	18.1	15.6	14.4	14.8	14.9	15.2	15.6
x=12H y=6H	17.7	17.9	18.1	18.4	15.7	14.6	14.8	15.0	15.2	15.7
x=12H y=8H	17.9	18.0	18.3	18.5	15.8	14.6	14.8	15.1	15.3	15.8

Luminaria		Ensayo		Lámpara	
Código	LAB 1	Código	LAB 1	Código	LAB 1
Nombre	Aplicado LAB 1 led 3W 700mA	Nombre	Aplicado LAB 1 led 3W 700mA	Número	1
Familia	- MARSET	Fecha	17-09-2013	Posición	Universal
Rendimiento	100.00%	Sist. de Coord.	CG	Flujo Total	88.82 lm

Flujo Total= 88.82 Flujo Luminaria= 88.82

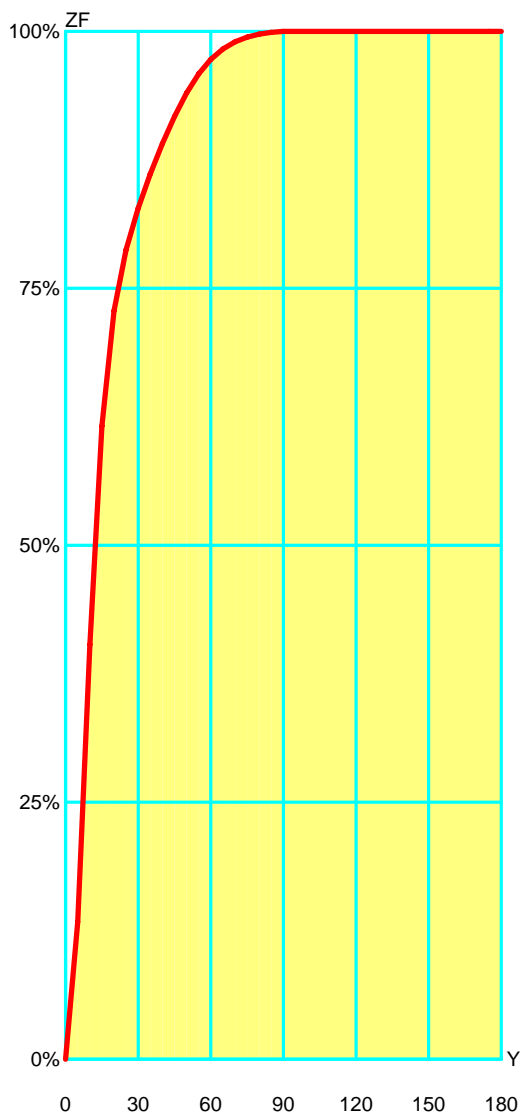
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.66	0.71	0.76	0.80	0.83	0.89	0.92	0.94	0.96	0.98	1.00	1.01
RC	-	-	-	-	-	-	-	-	-	-	-	-

Flujo Zonal por 1000 Lúmenes																		
Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	403	728	828	891	940	973	990	997	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

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

C.I.E. -/-/-/-/-/-/-/-/-/-
D DIN 5040 A60
F UTE 1.00 A
B NBN BZ 1
RN 0.00000 %
BLF 1.0

LOR 99.99775 %
ULOR 0.00000 %
DLOR 99.99775 %
UFF 0.00000 %
DFF 100.00000 %
FFR 0.00000 %



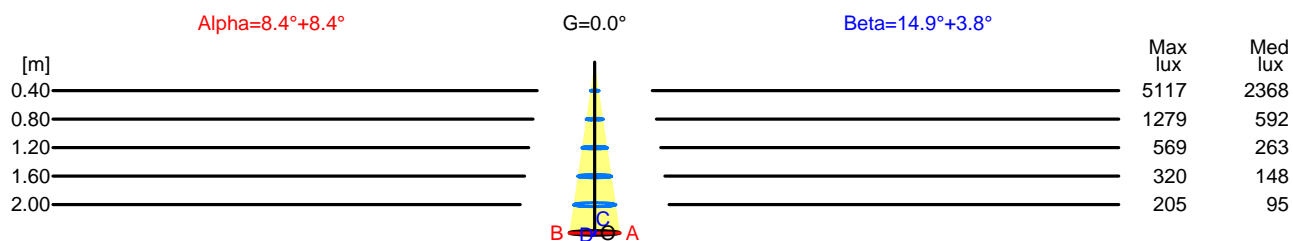
Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00 %	0.00 %
5°	133.66	133.66	13.37 %	13.37 %
10°	269.76	403.42	26.98 %	40.34 %
15°	212.61	616.02	21.26 %	61.60 %
20°	112.33	728.35	11.23 %	72.84 %
25°	59.24	787.60	5.92 %	78.76 %
30°	40.42	828.02	4.04 %	82.80 %
35°	33.26	861.28	3.33 %	86.13 %
40°	29.51	890.79	2.95 %	89.08 %
45°	26.47	917.25	2.65 %	91.73 %
50°	22.78	940.03	2.28 %	94.01 %
55°	18.58	958.61	1.86 %	95.86 %
60°	14.15	972.76	1.42 %	97.28 %
65°	10.13	982.89	1.01 %	98.29 %
70°	6.91	989.80	0.69 %	98.98 %
75°	4.56	994.37	0.46 %	99.44 %
80°	2.89	997.25	0.29 %	99.73 %
85°	1.70	998.95	0.17 %	99.90 %
90°	1.03	999.98	0.10 %	100.00 %
95°	0.00	999.98	0.00 %	100.00 %
100°	0.00	999.98	0.00 %	100.00 %
105°	0.00	999.98	0.00 %	100.00 %
110°	0.00	999.98	0.00 %	100.00 %
115°	0.00	999.98	0.00 %	100.00 %
120°	0.00	999.98	0.00 %	100.00 %
125°	0.00	999.98	0.00 %	100.00 %
130°	0.00	999.98	0.00 %	100.00 %
135°	0.00	999.98	0.00 %	100.00 %
140°	0.00	999.98	0.00 %	100.00 %
145°	0.00	999.98	0.00 %	100.00 %
150°	0.00	999.98	0.00 %	100.00 %
155°	0.00	999.98	0.00 %	100.00 %
160°	0.00	999.98	0.00 %	100.00 %
165°	0.00	999.98	0.00 %	100.00 %
170°	0.00	999.98	0.00 %	100.00 %
175°	0.00	999.98	0.00 %	100.00 %
180°	0.00	999.98	0.00 %	100.00 %

Luminaria		Ensayo		Lámpara	
Código	LAB 1	Código	LAB 1	Código	LAB 1
Nombre	Aplique LAB 1 led 3W 700mA	Nombre	Aplique LAB 1 led 3W 700mA	Número	1
Familia	- MARSET	Fecha	17-09-2013	Posición	Universal
Rendimiento	100.00%	Sist. de Coord.	CG	Flujo Total	88.82 lm

Apertura a 50.00 % de MaxLux

H[m]	0.40	0.80	1.20	1.60	2.00	H[m]	0.40	0.80	1.20	1.60	2.00
OA	0.06	0.12	0.18	0.24	0.30	OC	0.11	0.21	0.32	0.43	0.53
OB	0.06	0.12	0.18	0.24	0.30	OD	0.03	0.05	0.08	0.11	0.13

	Intensidades Luminosas [cd/klm]									
	0	5	15	25	35	45	55	65	75	85
OA	553.78	457.02	79.84	16.63	8.62	5.71	3.27	1.53	0.62	0.20
OB	553.78	457.02	79.84	16.63	8.62	5.71	3.27	1.53	0.62	0.20
OC	553.78	828.31	273.71	34.18	12.76	8.11	5.34	2.85	1.19	0.44
OD	553.78	211.72	30.93	12.20	7.93	4.67	2.18	0.83	0.32	0.14



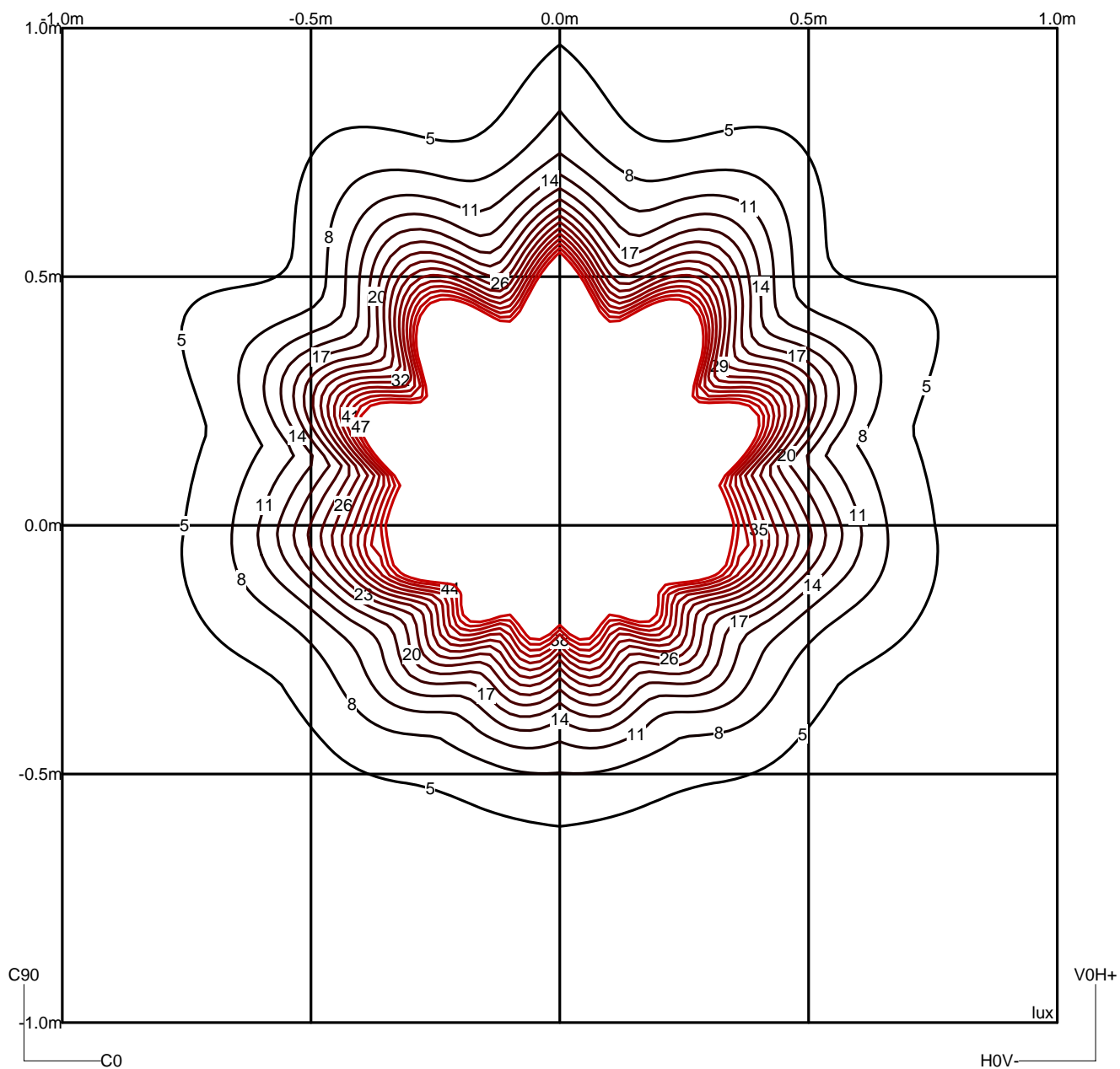
H[m]	D[m]	Max lux	Med lux	Alpha=8.4°+8.4°	G=0.0	
0.40	0.12	5117	2368			
0.80	0.24	1279	592			
1.20	0.36	569	263			
1.60	0.48	320	148			
2.00	0.59	205	95			

H[m]	D[m]	Max lux	Med lux	Beta=3.8°+14.9°	G=0.0	
0.40	0.13	5117	2368			
0.80	0.27	1279	592			
1.20	0.40	569	263			
1.60	0.53	320	148			
2.00	0.67	205	95			

Luminaria		Ensayo		Lámpara	
Código	LAB 1	Código	LAB 1	Código	LAB 1
Nombre	Aplique LAB 1 led 3W 700mA	Nombre	Aplique LAB 1 led 3W 700mA	Número	1
Familia	- MARSET	Fecha	17-09-2013	Posición	Universal
Rendimiento	100.00%	Sist. de Coorden.	CG	Flujo Total	88.82 lm

Isolux (Suelo)

Posición Luminaria X=0.00m Y=0.00m Z=1.80m



Luminaria					Ensayo					Lámpara				
Código	LAB 1				Código	LAB 1				Código	LAB 1			
Nombre	Aplique LAB 1 led 3W 700mA				Nombre	Aplique LAB 1 led 3W 700mA				Número	1			
Familia	- MARSET				Fecha	17-09-2013				Posición	Universal			
Rendimiento	100.00%				Sist. de Coorden.	CG				Flujo Total	88.82 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	171	153	105	94	146	90	97	82	57	48	34	26	18	12	45	27	24	14	11	23	12	10	0	
0.80	204	187	113	104	178	99	126	110	66	58	43	34	25	18	55	36	32	21	17	31	18	16	0	
1.00	227	211	114	107	201	102	150	134	72	65	49	41	32	24	60	42	39	27	23	37	24	21	0	
1.25	249	235	114	108	223	104	175	159	77	70	56	48	39	31	66	49	45	34	30	43	31	28	0	
1.50	266	253	114	109	241	105	195	179	81	75	61	53	46	38	71	54	51	41	36	49	37	33	0	
2.00	288	277	110	106	264	103	225	211	84	79	69	62	56	48	75	62	59	51	46	56	46	43	0	
2.50	304	294	107	104	281	101	247	234	86	82	74	68	63	56	78	68	65	58	54	62	54	50	0	
3.00	314	306	104	102	292	99	264	252	88	84	78	72	69	62	80	72	69	64	60	67	60	56	0	
4.00	331	324	103	101	310	99	287	277	91	88	83	79	77	71	84	78	76	72	69	73	68	65	0	
5.00	341	335	103	101	321	99	303	294	93	91	87	83	82	77	87	82	81	78	75	78	74	70	0	
10.00	364	361	102	101	346	99	338	332	98	96	96	94	94	91	93	92	91	91	89	89	87	84	0	
20.00	377	375	102	102	360	100	357	355	100	100	101	100	101	99	97	98	97	98	97	95	95	93	0	

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	312	303	228	223	298	220	234	228	178	174	149	146	128	126	172	146	145	127	126	144	126	125	103
0.80	348	337	243	238	330	235	268	260	196	192	168	164	147	144	189	164	162	145	144	161	144	142	116
1.00	365	354	243	238	345	234	288	278	200	196	175	170	155	151	192	170	168	152	150	166	150	148	119
1.25	382	372	243	239	360	234	307	297	205	201	182	177	164	159	196	176	174	160	158	172	157	155	122
1.50	394	385	242	238	371	233	322	312	207	204	186	182	169	165	198	180	178	165	163	175	162	159	124
2.00	397	388	224	221	371	216	331	320	196	193	180	175	166	161	187	172	171	160	158	166	156	152	113
2.50	393	385	205	203	366	198	332	322	183	180	169	165	158	153	173	161	160	152	149	155	146	141	100
3.00	384	377	186	184	356	179	327	318	167	164	156	152	147	142	157	148	146	140	137	141	134	128	85
4.00	380	374	169	167	351	162	328	320	153	151	146	142	139	134	143	136	135	130	128	128	123	117	71
5.00	374	369	154	153	345	148	325	318	141	139	135	132	130	125	130	125	124	121	118	117	113	105	58
10.00	326	323	88	88	295	82	286	281	80	79	78	76	76	73	68	67	66	66	64	57	56	47	0
20.00	228	226	0	0	197	0	193	191	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

P.Trab.

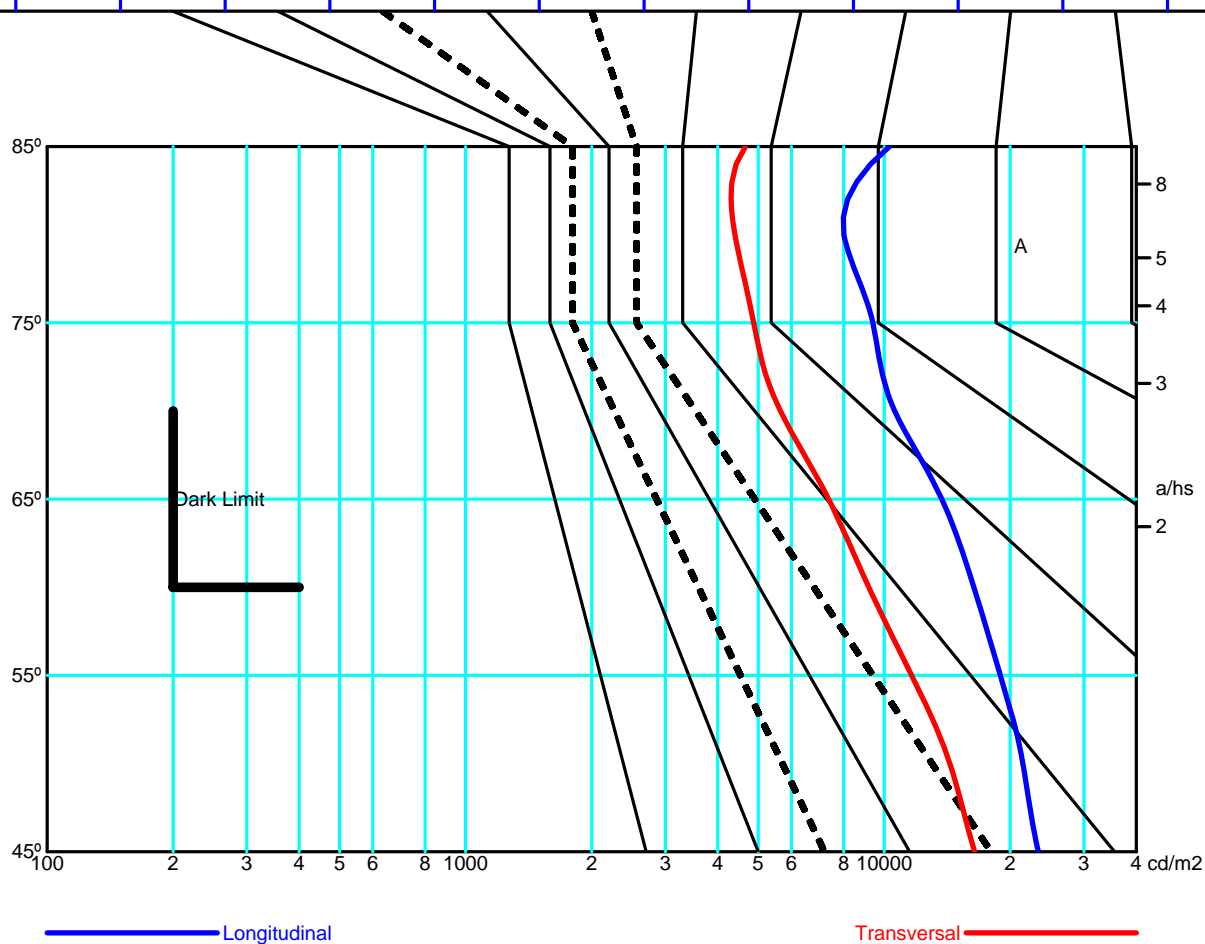
K	8873	8773	8871	8771	7773	7771	7753	7553	7751	7551	7731	7331	7711	7111	5551	5531	5331	5511	5111	3331	3311	1111	0000
0.60	853	843	796	790	837	786	760	753	732	728	695	691	668	666	725	691	690	666	666	689	666	665	655
0.80	925	913	852	846	904	841	828	818	789	785	753	748	725	722	781	748	746	722	721	744	720	719	709
1.00	986	974	899	893	961	887	889	878	841	836	807	801	780	776	830	800	798	776	774	795	773	771	762
1.25	1000	1000	936	931	1000	924	942	930	883	878	851	845	826	820	870	843	841	821	818	837	817	813	804
1.50	1000	1000	961	957	1000	949	983	969	913	908	884	877	860	854	899	874	872	853	850	867	848	844	835
2.00	1000	1000	1000	996	1000	988	1000	1000	960	955	937	930	917	910	945	925	923	909	905	916	901	895	887
2.50	1000	1000	1000	1000	1000	1000	1000	1000	990	985	971	965	955	948	973	958	956	944	941	947	935	928	920
3.00	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	995	989	982	975	994	981	979	970	966	969	960	951	943
4.00	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	996	992	990	983	972	964
5.00	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	997	984	977
10.00	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
20.00	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

LM53 SHR C0-C180: 0.290 SHR C90-C270: 0.508 SHR Superficial: 0.313

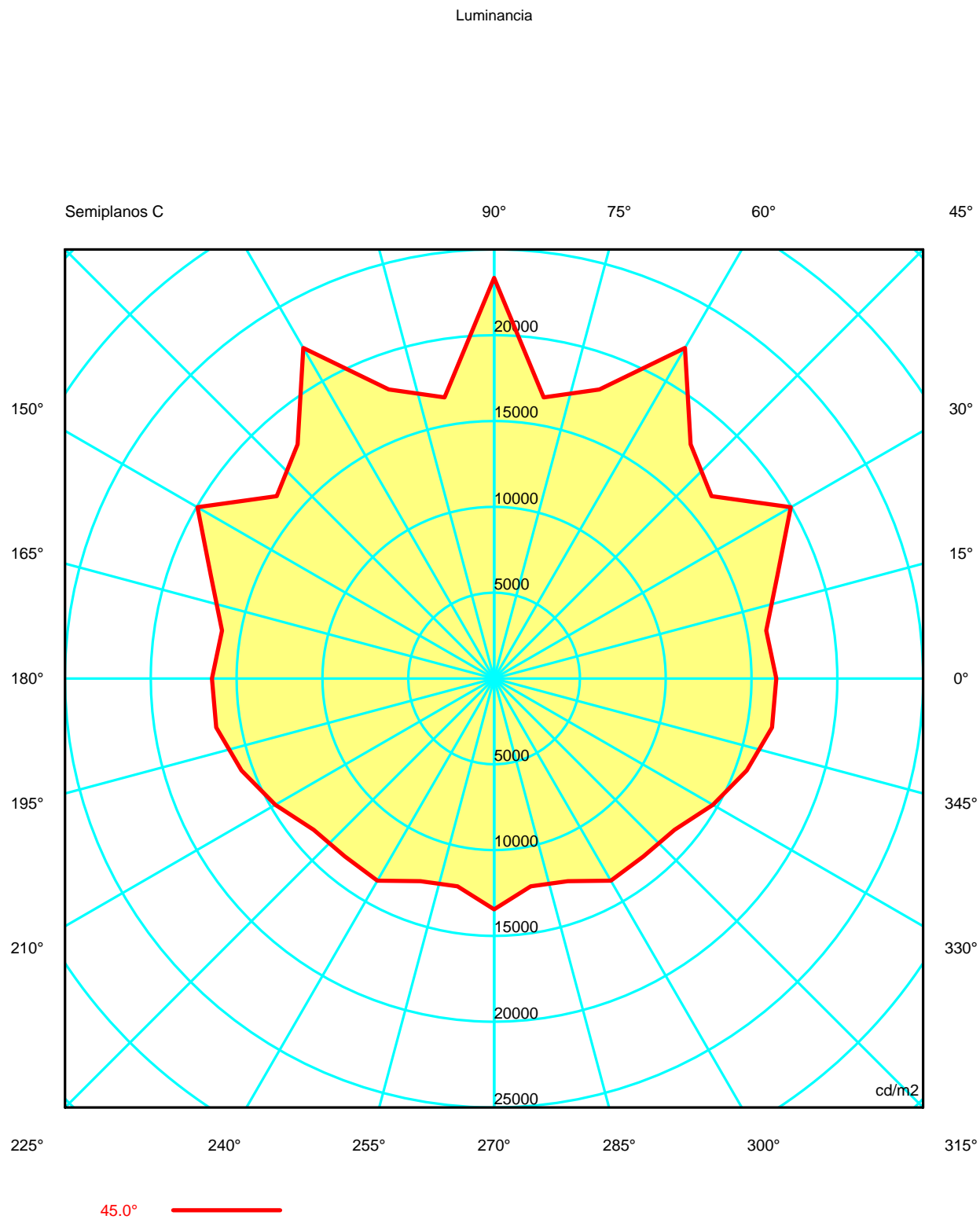
Luminaria		Ensayo		Lámpara	
Código	LAB 1	Código	LAB 1	Código	LAB 1
Nombre	Aplicue LAB 1 led 3W 700mA	Nombre	Aplicue LAB 1 led 3W 700mA	Número	1
Familia	- MARSET	Fecha	17-09-2013	Posición	Universal
Rendimiento	100.00%	Sist. de Coord.	CG	Flujo Total	88.82 lm

	45°	50°	55°	60°	Luminancia Media [cd/m²]		75°	80°	85°	
0.0°	16441	14351	11623	9188	65°	70°	4879	4399	4659	---
90.0°	23345	21449	18944	16379	65°	70°	9390	8005	10289	---

Flujo montado o vista longitudinal												
		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



Luminaria		Ensayo		Lámpara	
Código	LAB 1	Código	LAB 1	Código	LAB 1
Nombre	Apliche LAB 1 led 3W 700mA	Nombre	Apliche LAB 1 led 3W 700mA	Número	1
Familia	- MARSET	Fecha	17-09-2013	Posición	Universal
Rendimiento	100.00%	Sist. de Coord.	CG	Flujo Total	88.82 lm



Luminaria				Ensayo						Lámpara			
Código	LAB 1			Código	LAB 1					Código	LAB 1		
Nombre	Aplique LAB 1 led 3W 700mA			Nombre	Aplique LAB 1 led 3W 700mA					Número	1		
Familia	- MARSET			Fecha	17-09-2013					Posición	Universal		
Rendimiento		100.00%			Sist. de Coorden.		CG		Flujo Total		88.82 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	1127861.05	1127861.05	1127861.05	1127861.05	1127861.05	1127861.05	1127861.05	1127861.05	1127861.05	1127861.05	1127861.05	1127861.05	1127861.05
G 5.0	934354.42	855466.64	971453.03	1278950.92	1100924.23	1200750.78	1536363.62	1303281.29	1246979.05	1693432.75	1246979.05	1303281.29	1536363.62
G 10.0	410427.13	375753.72	504263.97	739207.75	507537.84	695478.92	1146116.58	823119.12	727130.09	1294893.61	727130.09	823119.12	1146116.58
G 15.0	168335.09	138692.49	188669.55	303197.08	197630.76	273112.95	460627.10	295969.18	267769.80	577115.69	267769.80	295969.18	460627.10
G 20.0	68477.69	61719.02	74375.63	101175.13	73195.92	100277.01	158571.35	114303.89	98829.71	169602.10	98829.71	114303.89	158571.35
G 25.0	37376.75	34000.71	39669.85	52313.37	39400.34	46369.91	66203.77	47254.46	43392.47	76816.68	43392.47	47254.46	66203.77
G 30.0	27424.58	25730.07	28727.35	35386.12	28386.37	30299.99	39035.09	30448.07	29015.64	44788.66	29015.64	30448.07	39035.09
G 35.0	21420.39	20717.99	22647.53	26168.54	21529.19	23234.08	29179.44	23108.64	21661.96	31735.62	21661.96	23108.64	29179.44
G 40.0	18958.15	18161.06	19673.37	22853.24	19107.02	20371.23	25113.47	20110.82	18878.11	27013.92	18878.11	20110.82	25113.47
G 45.0	16441.26	16100.71	17564.26	19959.83	16529.11	17813.18	22241.15	17927.00	16631.16	23345.28	16631.16	17927.00	22241.15
G 50.0	14350.75	13611.81	14978.24	18014.65	15000.93	16037.27	20055.66	16049.38	14978.48	21449.45	14978.48	16049.38	20055.66
G 55.0	11623.13	11301.78	12615.89	15001.17	12538.30	13946.63	17837.15	14238.98	13190.06	18944.29	13190.06	14238.98	17837.15
G 60.0	9188.37	8609.71	9855.12	12559.02	10148.04	11276.70	14916.10	11510.37	10654.16	16379.39	10654.16	11510.37	14916.10
G 65.0	7361.41	6909.48	8008.69	10313.52	8178.47	8966.41	11988.63	9332.39	8819.58	13726.95	8819.58	9332.39	11988.63
G 70.0	5646.16	5421.75	6357.40	8016.49	6162.00	6929.36	9569.96	7315.42	6721.48	10591.06	6721.48	7315.42	9569.96
G 75.0	4878.78	4574.78	5400.23	7072.18	5434.68	6025.75	8294.12	6251.90	5790.13	9390.36	5790.13	6251.90	8294.12
G 80.0	4399.41	4324.14	5105.79	6291.63	4660.79	5258.38	7496.06	5822.20	5247.74	8004.97	5247.74	5822.20	7496.06
G 85.0	4658.97	4360.17	5258.88	7020.87	5124.59	6022.10	8980.46	6880.64	6351.93	10289.01	6351.93	6880.64	8980.46
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Luminaria				Ensayo						Lámpara			
Código	LAB 1			Código LAB 1						Código	LAB 1		
Nombre	Aplique LAB 1 led 3W 700mA			NombreAplique LAB 1 led 3W 700mA						Número	1		
Familia	- MARSET			Fecha17-09-2013						Posición	Universal		
Rendimiento		100.00%			Sist. de Coordin.		CG		Flujo Total		88.82 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	1127861.05	1127861.05	1127861.05	1127861.05	1127861.05	1127861.05	1127861.05	1127861.05	1127861.05	1127861.05	1127861.05	1127861.05	1127861.05
G 5.0	1200750.78	1100924.23	1278950.92	971453.03	855466.64	934354.42	908345.32	704532.34	530681.50	570272.50	552971.69	447923.92	481847.46
G 10.0	695478.92	507537.84	739207.75	504263.97	375753.72	410427.13	397062.61	319414.55	198729.24	225044.19	222297.46	160734.11	181699.05
G 15.0	273112.95	197630.76	303197.08	188669.55	138692.49	168335.09	154384.21	107070.98	83496.76	89237.81	83288.54	63419.04	66253.31
G 20.0	100277.01	73195.92	101175.13	74375.63	61719.02	68477.69	65452.01	51167.89	40399.20	40401.75	39590.77	36004.66	34320.33
G 25.0	46369.91	39400.34	52313.37	39669.85	34000.71	37376.75	36789.43	32389.86	29210.82	27568.33	27167.27	26376.37	23809.76
G 30.0	30299.99	28386.37	35386.12	28727.35	25730.07	27424.58	26521.27	24166.00	22595.79	20777.36	20876.18	21568.28	19326.45
G 35.0	23234.08	21529.19	26168.54	22647.53	20717.99	21420.39	21467.65	20787.20	19878.73	18076.15	18269.97	19240.30	17028.86
G 40.0	20371.23	19107.02	22853.24	19673.37	18161.06	18958.15	18545.05	17955.75	17593.16	15833.11	15895.41	16960.63	15045.20
G 45.0	17813.18	16529.11	19959.83	17564.26	16100.71	16441.26	16439.16	15662.88	14719.18	13716.03	13529.86	13600.01	12561.93
G 50.0	16037.27	15000.93	18014.65	14978.24	13611.81	14350.75	13938.01	12831.76	12132.59	11434.66	10991.18	10459.34	9297.34
G 55.0	13946.63	12538.30	15001.17	12615.89	11301.78	11623.13	11533.87	10274.47	8929.11	8492.62	8276.56	7803.69	7303.53
G 60.0	11276.70	10148.04	12559.02	9855.12	8609.71	9188.37	8955.45	7796.73	6913.00	6659.61	6288.71	5668.97	5398.09
G 65.0	8966.41	8178.47	10313.52	8008.69	6909.48	7361.41	7110.97	5945.58	4984.84	4785.81	4644.21	4251.48	3955.84
G 70.0	6929.36	6162.00	8016.49	6357.40	5421.75	5646.16	5666.28	4902.62	4078.99	3870.76	3768.14	3508.37	3326.19
G 75.0	6025.75	5434.68	7072.18	5400.23	4574.78	4878.78	4636.62	3880.72	3382.02	3288.89	3096.13	2696.17	2456.84
G 80.0	5258.38	4660.79	6291.63	5105.79	4324.14	4399.41	4155.52	3564.56	2746.08	2685.16	2300.99	1681.14	1987.62
G 85.0	6022.10	5124.59	7020.87	5258.88	4360.17	4658.97	4068.91	3348.85	3160.84	2828.40	2547.16	2344.73	2061.99
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Luminaria				Ensayo						Lámpara			
Código	LAB 1			Código	LAB 1					Código	LAB 1		
Nombre	Apliche LAB 1 led 3W 700mA			Nombre	Apliche LAB 1 led 3W 700mA					Número	1		
Familia	- MARSET			Fecha	17-09-2013					Posición	Universal		
Rendimiento		100.00%			Sist. de Coordin.		CG		Flujo Total		88.82 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	1127861.05	1127861.05	1127861.05	1127861.05	1127861.05	1127861.05	1127861.05	1127861.05	1127861.05	1127861.05	1127861.05	1127861.05	1127861.05
G 5.0	934354.42	908345.32	704532.34	530681.50	570272.50	552971.69	447923.92	481847.46	503408.18	432858.75	503408.18	481847.46	447923.92
G 10.0	410427.13	397062.61	319414.55	198729.24	225044.19	222297.46	160734.11	181699.05	194481.68	151013.24	194481.68	181699.05	160734.11
G 15.0	168335.09	154384.21	107070.98	83496.76	89237.81	83288.54	63419.04	66253.31	68667.50	65217.08	68667.50	66253.31	63419.04
G 20.0	68477.69	65452.01	51167.89	40399.20	40401.75	39590.77	36004.66	34320.33	34578.53	35672.36	34578.53	34320.33	36004.66
G 25.0	37376.75	36789.43	32389.86	29210.82	27568.33	27167.27	26376.37	23809.76	23792.44	27413.84	23792.44	23809.76	26376.37
G 30.0	27424.58	26521.27	24166.00	22595.79	20777.36	20876.18	21568.28	19326.45	18920.09	22053.44	18920.09	19326.45	21568.28
G 35.0	21420.39	21467.65	20787.20	19878.73	18076.15	18269.97	19240.30	17028.86	16578.06	19728.34	16578.06	17028.86	19240.30
G 40.0	18958.15	18545.05	17955.75	17593.16	15833.11	15895.41	16960.63	15045.20	14448.08	16889.65	14448.08	15045.20	16960.63
G 45.0	16441.26	16439.16	15662.88	14719.18	13716.03	13529.86	13600.01	12561.93	12293.42	13447.63	12293.42	12561.93	13600.01
G 50.0	14350.75	13938.01	12831.76	12132.59	11434.66	10991.18	10459.34	9297.34	9202.85	10582.20	9202.85	9297.34	10459.34
G 55.0	11623.13	11533.87	10274.47	8929.11	8492.62	8276.56	7803.69	7303.53	7266.94	7724.34	7266.94	7303.53	7803.69
G 60.0	9188.37	8955.45	7796.73	6913.00	6659.61	6288.71	5668.97	5398.09	5446.67	5642.82	5446.67	5398.09	5668.97
G 65.0	7361.41	7110.97	5945.58	4984.84	4785.81	4644.21	4251.48	3955.84	3893.32	4011.74	3893.32	3955.84	4251.48
G 70.0	5646.16	5666.28	4902.62	4078.99	3870.76	3768.14	3508.37	3326.19	3276.09	3267.84	3276.09	3326.19	3508.37
G 75.0	4878.78	4636.62	3880.72	3382.02	3288.89	3096.13	2696.17	2456.84	2421.46	2507.57	2421.46	2456.84	2696.17
G 80.0	4399.41	4155.52	3564.56	2746.08	2685.16	2300.99	1681.14	1987.62	2159.50	1692.56	2159.50	1987.62	1681.14
G 85.0	4658.97	4068.91	3348.85	3160.84	2828.40	2547.16	2344.73	2061.99	2371.04	3372.25	2371.04	2061.99	2344.73
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00