

Luminaria

Código 2602
Nombre Structural wall

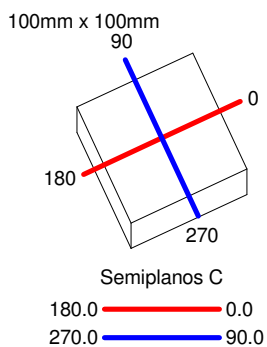
Ensayo

Código CL252A18F035G
Nombre 3000K CRI90

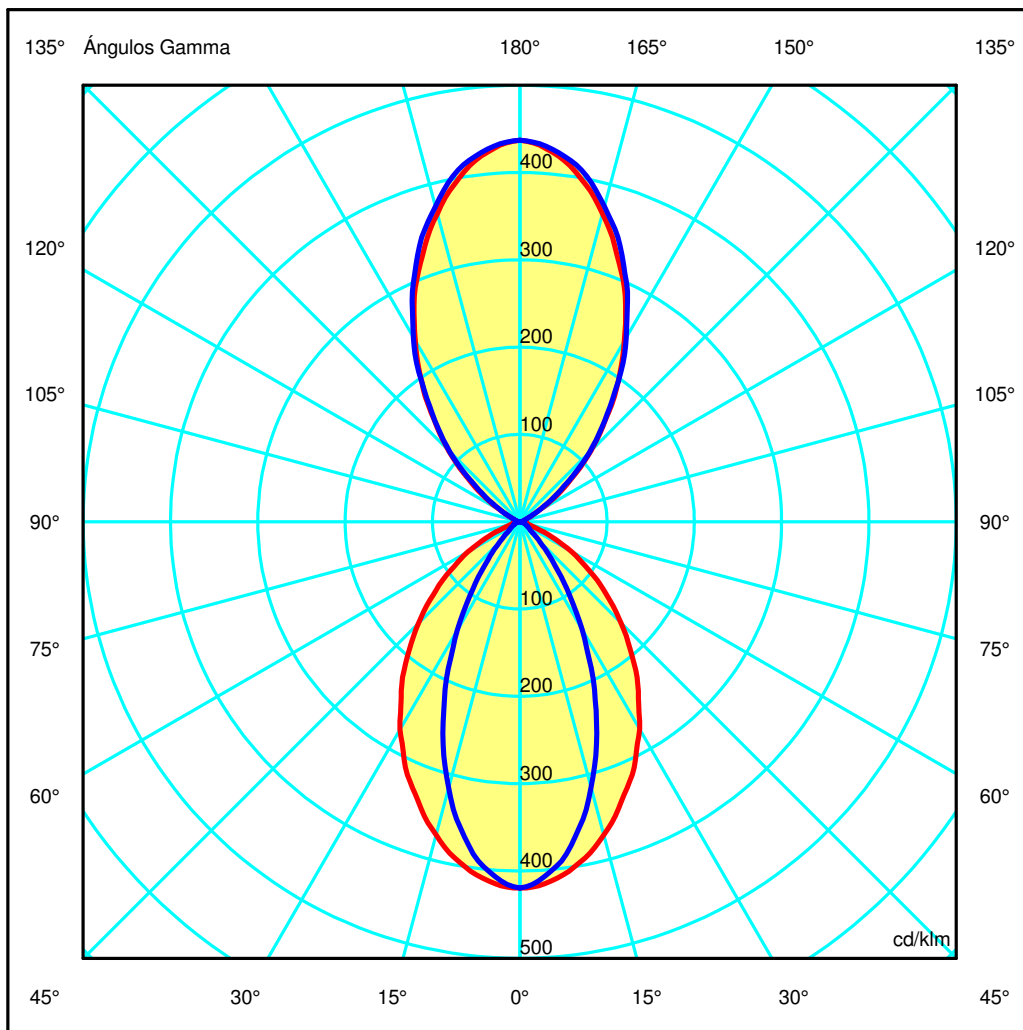
Flujo Luminaria	379.88 lm	Potencia luminaria	18.64 W	Eficacia	20.38 lm/W	Eficiencia	100.00%
Flujo de Lámpara	379.88 lm	Valor Máximo	437.18 cd/klm	Posición	C=0.00 G=180.00	CG	Asimétrico
Luminaria Rectangular Área Luminosa Rectangular	Longit. Longit.	100 mm 95 mm	Anchura Anchura	100 mm 95 mm	Altura Altura	180 mm 0 mm	
Área Luminosa Horizontal Área Emisión sobre Pl. 0° Área Emisión sobre Pl. 90°	0.009025 m2 0.000000 m2 0.000000 m2		Área Emisión sobre Pl. 180° Área Emisión sobre Pl. 270° Área de deslumbramiento a 76°		0.000000 m2 0.000000 m2 0.002183 m2		
Sist. de Coorden. Fecha Distancia de Ensayo	CG 18-10-2018 0.00		Tipo de Simetría Máximo Ángulo Gamma Flujo de Ensayo		Asimétrico 180 379.88 lm		
Operador Temperatura Humedad Notas	AsselumT2 25.00 °C 60.00 %		Tensión de alimentación [V] Corriente de alimentación [A] Fotocélula				

Lámparas de la Luminaria

Familia	Código	Nombre	Flujo [lm]	Pot. [W]	Cant.
24V 6,5W	1x5750062 / 1x5750063	LED plate SAMSUNG SPMWH1228	379.88	18.64	1
C.I.E. F UTE	76 94 99 47 100 0.47 B + 0.53 T	D DIN 5040 B NBN	C62 BZ 1 / 2.5 / BZ 2		



ULOR 53.42 %
DLOR 46.58 %
RN 53.42 %



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Flujo de Lámpara	379.88 lm	Valor Máximo	437.18 cd/klm	Posición	C=0.00 G=180.00	CG Asimétrico							
Tabla de Intensidad Luminosa cd/klm													
Tabla 1/2													
	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00	C 105.00	C 120.00	C 135.00	C 150.00	C 165.00	C 180.00
G 0.0	419	419	419	419	419	419	419	419	419	419	419	419	419
G 2.5	418	416	415	414	416	412	414	412	416	414	415	416	418
G 5.0	413	410	407	405	404	401	402	401	404	405	407	410	413
G 7.5	406	401	397	391	391	387	388	387	391	391	397	401	406
G 10.0	396	390	383	376	371	369	366	369	371	376	383	390	396
G 12.5	385	378	368	358	351	341	343	341	351	358	368	378	385
G 15.0	371	363	350	337	325	315	315	315	325	337	350	363	371
G 17.5	357	347	332	315	301	289	287	289	301	315	332	347	357
G 20.0	341	329	313	290	275	262	258	262	275	290	313	329	341
G 22.5	325	312	290	264	245	234	227	234	245	264	290	312	325
G 25.0	310	294	269	240	219	198	199	198	219	240	269	294	310
G 27.5	291	274	245	216	189	172	168	172	189	216	245	274	291
G 30.0	274	254	224	191	165	147	143	147	165	191	224	254	274
G 32.5	254	235	202	167	140	124	117	124	140	167	202	235	254
G 35.0	237	215	180	144	117	99	94	99	117	144	180	215	237
G 37.5	219	196	160	123	96	77	75	77	96	123	160	196	219
G 40.0	200	176	140	105	76	61	57	61	76	105	140	176	200
G 42.5	182	157	122	85	61	48	45	48	61	85	122	157	182
G 45.0	164	141	102	68	46	37	33	37	46	68	102	141	164
G 47.5	147	123	87	54	36	27	25	27	36	54	87	123	147
G 50.0	129	106	72	42	27	20	18	20	27	42	72	106	129
G 52.5	114	90	58	32	20	15	15	15	20	32	58	90	114
G 55.0	97	75	47	24	15	13	13	13	15	24	47	75	97
G 57.5	82	62	34	17	13	12	11	12	13	17	34	62	82
G 60.0	69	49	26	13	11	10	10	10	11	13	26	49	69
G 62.5	53	37	19	11	10	9	9	9	10	11	19	37	53
G 65.0	40	26	13	9	8	8	8	8	8	9	13	26	40
G 67.5	28	18	10	8	7	7	7	7	7	8	10	18	28
G 70.0	18	12	8	7	6	6	6	6	6	7	8	12	18
G 72.5	12	8	7	6	6	5	5	5	6	7	8	12	12
G 75.0	10	6	6	5	5	5	5	5	5	6	6	10	10
G 77.5	8	5	5	5	4	4	4	4	4	5	5	8	8
G 80.0	8	5	4	4	4	4	4	4	4	4	5	8	8
G 82.5	7	4	4	4	3	3	3	3	3	4	4	7	7
G 85.0	7	4	4	3	3	3	3	3	3	3	4	7	7
G 87.5	6	3	3	3	3	3	3	3	3	3	3	6	6
G 90.0	7	4	4	3	3	3	3	3	3	3	4	7	7
G 92.5	1	1	1	1	1	1	1	1	1	1	1	1	1
G 95.0	1	1	1	1	1	1	1	1	1	1	1	1	1
G 97.5	2	2	2	2	2	2	2	2	2	2	2	2	2
G100.0	3	3	2	2	2	3	3	3	2	2	2	3	3
G102.5	3	3	3	3	3	3	3	3	3	3	3	3	3
G105.0	4	4	4	4	4	4	4	4	4	4	4	4	4
G107.5	5	5	5	5	5	5	5	5	5	5	5	5	5
G110.0	6	6	6	6	6	6	6	6	6	6	6	6	6
G112.5	7	7	7	8	7	7	7	7	7	8	7	7	7
G115.0	10	9	11	11	10	10	9	10	10	11	11	9	10
G117.5	15	15	17	17	16	15	13	15	16	17	17	15	15
G120.0	22	24	26	25	23	21	21	21	23	25	26	24	22
G122.5	34	35	35	35	32	30	31	30	32	35	35	35	34
G125.0	49	47	47	46	44	41	43	41	44	46	47	47	49
G127.5	63	61	61	59	56	57	57	57	56	59	61	61	63
G130.0	77	78	77	74	74	72	73	72	74	77	77	78	77
G132.5	97	94	93	91	89	88	93	88	89	91	93	94	97
G135.0	115	112	109	107	106	105	113	105	106	107	109	112	115
G137.5	134	131	127	126	125	126	132	126	125	126	127	131	134
G140.0	153	149	149	145	145	149	151	149	145	145	149	149	153
G142.5	175	172	170	167	167	169	172	169	167	167	170	172	175
G145.0	196	193	190	187	188	190	196	190	188	187	190	193	196
G147.5	218	215	211	209	209	213	222	213	209	209	211	215	218
G150.0	240	235	232	232	234	238	244	238	234	232	232	235	240
G152.5	262	258	259	256	257	262	266	262	257	256	259	258	262
G155.0	286	281	280	278	282	284	291	284	282	278	280	281	286
G157.5	306	302	301	300	303	307	313	307	303	300	301	302	306
G160.0	326	324	321	322	324	329	336	329	324	322	321	324	326
G162.5	347	343	344	346	348	352	356	352	348	346	344	343	347
G165.0	365	363	366	364	369	371	374	371	369	364	366	363	365
G167.5	384	382	383	383	386	388	393	388	386	383	383	382	384
G170.0	400	398	398	399	401	403	409	403	401	399	398	398	400
G172.5	415	413	412	414	416	416	420	416	416	414	412	413	415
G175.0	425	424	426	424	425	426	428	426	425	424	426	424	425
G177.5	433	433	434	433	434	433	435	433	434	433	434	433	433
G180.0	437	437	437	437	437	437	437	437	437	437	437	437	437

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Flujo de Lámpara	379.88 lm	Valor Máximo	437.18 cd/klm	Posición	C=0.00 G=180.00	CG Asimétrico	

Tabla de Intensidad Luminosa cd/klm Tabla 2/2

	C 195.00	C 210.00	C 225.00	C 240.00	C 255.00	C 270.00	C 285.00	C 300.00	C 315.00	C 330.00	C 345.00
G 0.0	419	419	419	419	419	419	419	419	419	419	419
G 2.5	416	415	414	416	412	414	412	416	414	415	416
G 5.0	410	407	405	404	401	402	401	404	405	407	410
G 7.5	401	397	391	391	387	388	387	391	391	397	401
G 10.0	390	383	376	371	369	366	369	371	376	383	390
G 12.5	378	368	358	351	341	343	341	351	358	368	378
G 15.0	363	350	337	325	315	315	315	325	337	350	363
G 17.5	347	332	315	301	289	287	289	301	315	332	347
G 20.0	329	313	290	275	262	258	262	275	290	313	329
G 22.5	312	290	264	245	234	227	234	245	264	290	312
G 25.0	294	269	240	219	198	199	198	219	240	269	294
G 27.5	274	245	216	189	172	168	172	189	216	245	274
G 30.0	254	224	191	165	147	143	147	165	191	224	254
G 32.5	235	202	167	140	124	117	124	140	167	202	235
G 35.0	215	180	144	117	99	94	99	117	144	180	215
G 37.5	196	160	123	96	77	75	77	96	123	160	196
G 40.0	176	140	105	76	61	57	61	76	105	140	176
G 42.5	157	122	85	61	48	45	48	61	85	122	157
G 45.0	141	102	68	46	37	33	37	46	68	102	141
G 47.5	123	87	54	36	27	25	27	36	54	87	123
G 50.0	106	72	42	27	20	18	20	27	42	72	106
G 52.5	90	58	32	20	15	15	15	20	32	58	90
G 55.0	75	47	24	15	13	13	13	15	24	47	75
G 57.5	62	34	17	13	12	11	12	13	17	34	62
G 60.0	49	26	13	11	10	10	10	11	13	26	49
G 62.5	37	19	11	10	9	9	9	10	11	19	37
G 65.0	26	13	9	8	8	8	8	8	9	13	26
G 67.5	18	10	8	7	7	7	7	7	8	10	18
G 70.0	12	8	7	6	6	6	6	6	7	8	12
G 72.5	8	7	6	6	5	5	5	6	6	7	8
G 75.0	6	6	5	5	5	5	5	5	5	6	6
G 77.5	5	5	5	4	4	4	4	4	5	5	5
G 80.0	5	4	4	4	4	4	4	4	4	4	5
G 82.5	4	4	4	3	3	3	3	3	4	4	4
G 85.0	4	4	3	3	3	3	3	3	3	4	4
G 87.5	3	3	3	3	3	3	3	3	3	3	3
G 90.0	4	4	3	3	3	3	3	3	3	4	4
G 92.5	1	1	1	1	1	1	1	1	1	1	1
G 95.0	1	1	1	1	1	1	1	1	1	1	1
G 97.5	2	2	2	2	2	2	2	2	2	2	2
G100.0	3	2	2	2	3	3	3	2	2	2	3
G102.5	3	3	3	3	3	3	3	3	3	3	3
G105.0	4	4	4	4	4	4	4	4	4	4	4
G107.5	5	5	5	5	5	5	5	5	5	5	5
G110.0	6	6	6	6	6	6	6	6	6	6	6
G112.5	7	7	8	7	7	7	7	7	8	7	7
G115.0	9	11	11	10	10	9	10	10	11	11	9
G117.5	15	17	17	16	15	13	15	16	17	17	15
G120.0	24	26	25	23	21	21	21	23	25	26	24
G122.5	35	35	35	32	30	31	30	32	35	35	35
G125.0	47	47	46	44	41	43	41	44	46	47	47
G127.5	61	61	59	56	57	57	57	56	59	61	61
G130.0	78	77	74	74	72	73	72	74	77	77	78
G132.5	94	93	91	89	88	93	88	89	91	93	94
G135.0	112	109	107	106	105	113	105	106	107	109	112
G137.5	131	127	126	125	126	132	126	125	126	127	131
G140.0	149	149	145	145	149	151	149	145	145	149	149
G142.5	172	170	167	167	169	172	169	167	167	170	172
G145.0	193	190	187	188	190	196	190	188	187	190	193
G147.5	215	211	209	209	213	222	213	209	209	211	215
G150.0	235	232	232	234	238	244	238	234	232	232	235
G152.5	258	259	256	257	262	266	262	257	256	259	258
G155.0	281	280	278	282	284	291	284	282	278	280	281
G157.5	302	301	300	303	307	313	307	303	300	301	302
G160.0	324	321	322	324	329	336	329	324	322	321	324
G162.5	343	344	346	348	352	356	352	348	346	344	343
G165.0	363	366	364	369	371	374	371	369	364	366	363
G167.5	382	383	383	386	388	393	388	386	383	383	382
G170.0	398	398	399	401	403	409	403	401	399	398	398
G172.5	413	412	414	416	416	420	416	416	414	412	413
G175.0	424	426	424	425	426	428	426	425	424	426	424
G177.5	433	434	433	434	433	435	433	434	433	434	433
G180.0	437	437	437	437	437	437	437	437	437	437	437

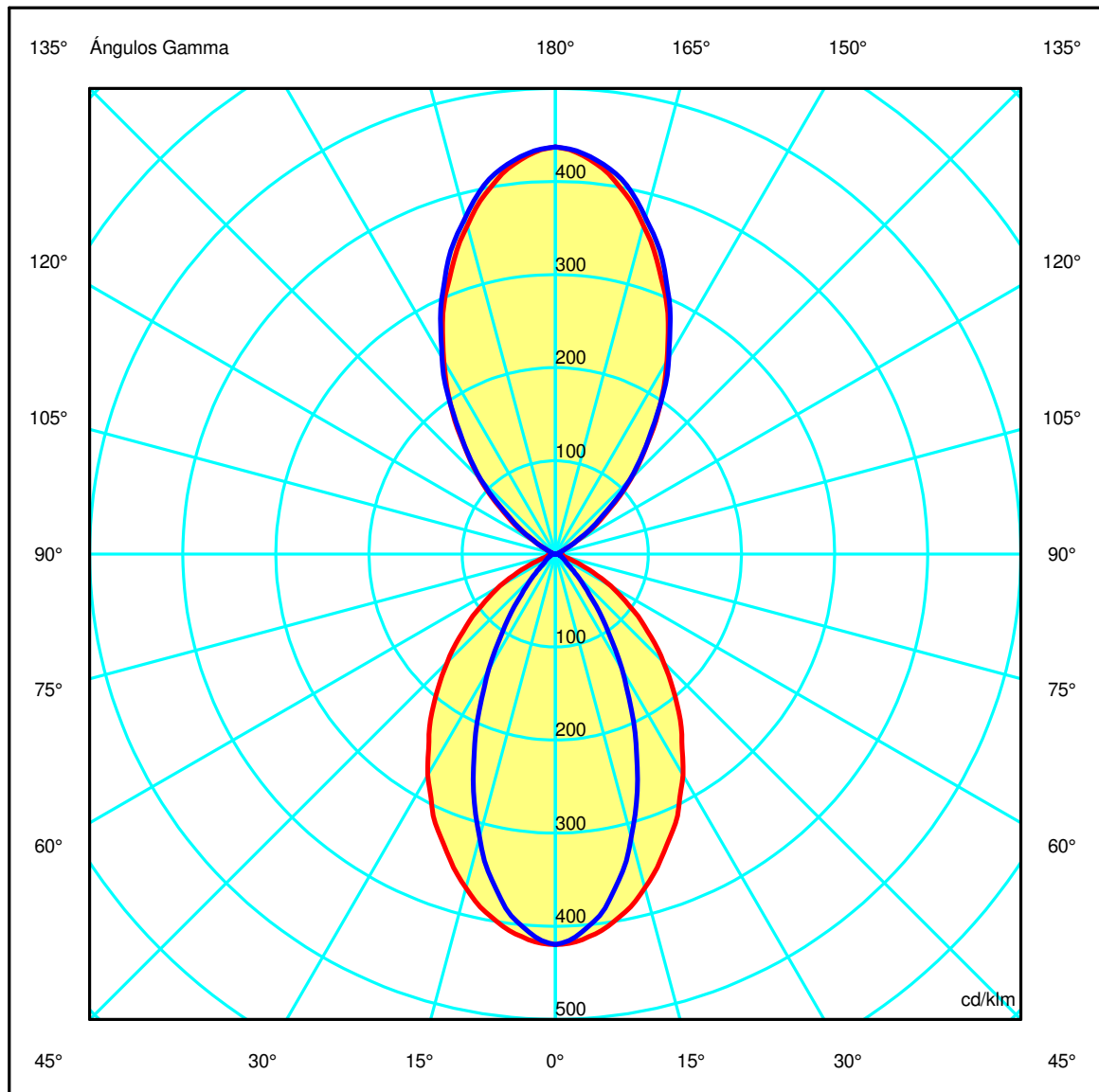
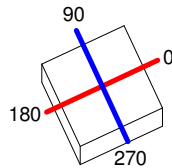
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Flujo Luminaria	379.88 lm	Potencia luminaria	18.64 W	Eficacia	20.38 lm/W	Eficiencia	100.00%
Flujo de Lámpara	379.88 lm	Valor Máximo	437.18 cd/klm	Posición	C=0.00 G=180.00	CG	Asimétrico

100mm x 100mm

Semiplanos C

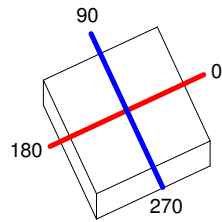
180.0 ————— 0.0
270.0 ————— 90.0



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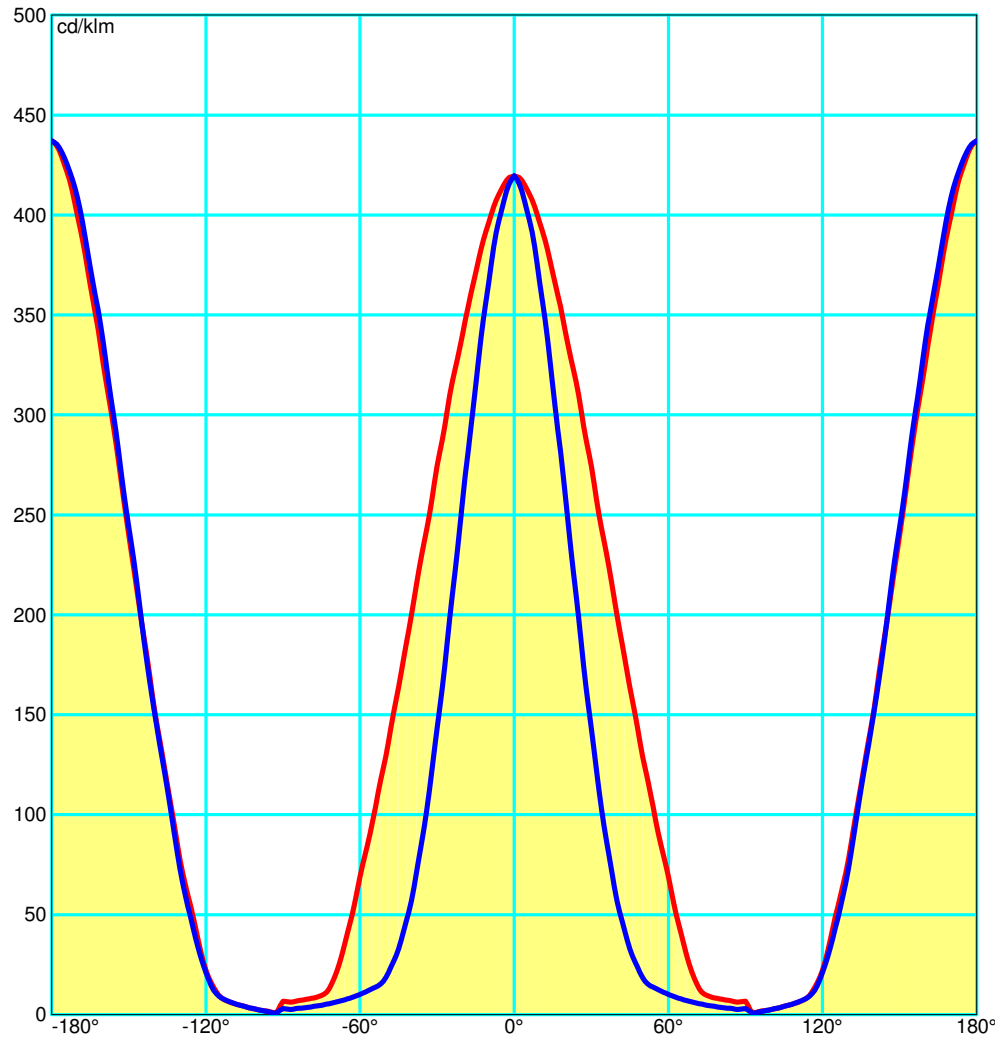
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Flujo de Lámpara	379.88 lm	Valor Máximo	437.18 cd/klm	Posición	C=0.00 G=180.00	CG	Asimétrico

100mm x 100mm



Semiplanos C

180.0 ————— 0.0
270.0 ————— 90.0



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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	Viewed Crosswise					Viewed Endwise				
x=2H y=2H	14.3	14.9	15.2	15.8	17.0	6.7	7.4	7.7	8.3	9.4
x=2H y=3H	14.5	15.1	15.4	16.0	17.1	6.9	7.5	7.9	8.4	9.6
x=2H y=4H	14.4	15.0	15.4	15.9	17.1	7.0	7.6	8.0	8.5	9.7
x=2H y=6H	14.4	14.9	15.4	15.9	17.1	7.2	7.7	8.2	8.7	9.9
x=2H y=8H	14.5	14.9	15.5	15.9	17.1	7.4	7.9	8.4	8.8	10.0
x=2H y=12H	14.6	15.0	15.6	16.0	17.2	7.6	8.0	8.6	9.0	10.2
x=4H y=2H	13.9	14.4	14.8	15.3	16.5	7.0	7.6	8.0	8.5	9.7
x=4H y=3H	14.1	14.6	15.1	15.5	16.8	7.3	7.8	8.3	8.7	10.0
x=4H y=4H	14.1	14.5	15.1	15.5	16.8	7.5	7.9	8.5	8.9	10.2
x=4H y=6H	14.1	14.5	15.2	15.5	16.8	7.9	8.2	8.9	9.2	10.5
x=4H y=8H	14.2	14.5	15.3	15.5	16.9	8.1	8.4	9.1	9.4	10.7
x=4H y=12H	14.4	14.7	15.5	15.7	17.0	8.4	8.7	9.4	9.7	11.0
x=8H y=4H	13.9	14.2	14.9	15.2	16.6	7.6	7.9	8.6	8.9	10.2
x=8H y=6H	14.0	14.2	15.0	15.3	16.6	8.1	8.3	9.2	9.4	10.7
x=8H y=8H	14.1	14.3	15.2	15.4	16.8	8.4	8.7	9.5	9.7	11.1
x=8H y=12H	14.4	14.6	15.4	15.6	17.0	8.9	9.1	10.0	10.1	11.5
x=12H y=4H	13.8	14.1	14.9	15.1	16.5	7.6	7.9	8.6	8.9	10.2
x=12H y=6H	13.9	14.2	15.0	15.2	16.6	8.2	8.4	9.2	9.4	10.8
x=12H y=8H	14.1	14.3	15.1	15.3	16.7	8.6	8.8	9.6	9.8	11.2

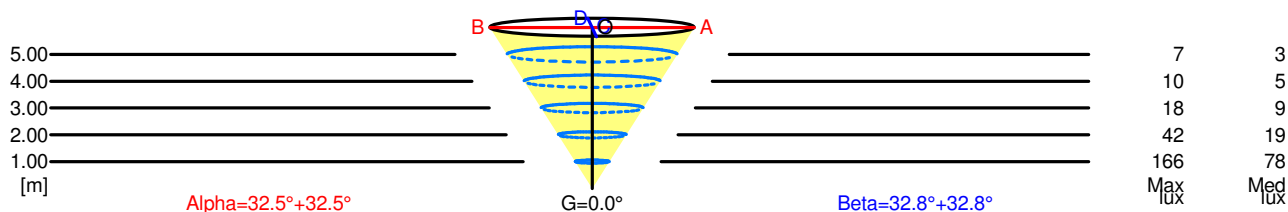
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Apertura a 50.00 % de Max Intensidad

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	0.64	1.27	1.91	2.54	3.18	OC	0.65	1.29	1.94	2.58	3.23
OB	0.64	1.27	1.91	2.54	3.18	OD	0.65	1.29	1.94	2.58	3.23

	Intensidades Luminosas [cd/klm]									
	0	5	15	25	35	45	55	65	75	85
OA	166.07	161.48	138.77	108.51	74.53	43.76	18.52	3.66	1.56	0.52
OB	166.07	161.48	138.77	108.51	74.53	43.76	18.52	3.66	1.56	0.52
OC	166.07	162.74	142.11	110.70	74.57	43.01	16.42	3.50	1.54	0.48
OD	166.07	162.74	142.11	110.70	74.57	43.01	16.42	3.50	1.54	0.48



5.00	6.36	7	3	
4.00	5.09	10	5	
3.00	3.82	18	9	
2.00	2.54	42	19	
1.00	1.27	166	78	
H[m]	D[m]	Max lux	Med lux	Alpha=32.5°+32.5° G=0.0

5.00	6.46	7	3	
4.00	5.17	10	5	
3.00	3.87	18	9	
2.00	2.58	42	19	
1.00	1.29	166	78	
H[m]	D[m]	Max lux	Med lux	Beta=32.8°+32.8° G=0.0

Luminaria

Código 2602
Nombre Structural wall

Ensayo

Código CL252A18F035G
Nombre 3000K CRI90

Flujo Luminaria	379.88 lm	Potencia luminaria	18.64 W	Eficacia	20.38 lm/W	Eficiencia	100.00%
Flujo de Lámpara	379.88 lm	Valor Máximo	437.18 cd/klm	Posición	C=0.00 G=180.00	CG	Asimétrico

Flujo Total=379.88 Flujo Luminaria=379.88

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	0.53	0.60	0.67	0.72	0.76	0.83	0.87	0.89	0.92	0.94	0.97	0.99
RC	1	1	1	1	1	1	1	1	1	1	1	-

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)	38	133	245	341	405	440	455	462	466	468	472	484	525	609	729	858	960	1000

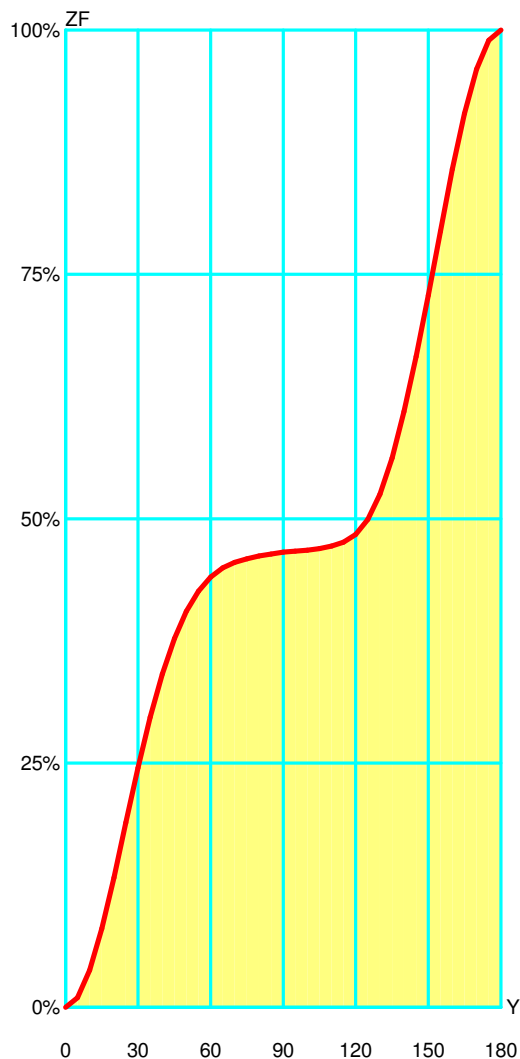
Códigos de Flujo C.I.E.

76 94 99 47 100

C.I.E.
D DIN 5040
F UTE
B NBN
RN
BLF

1/1/1/1/1/1/1/1/1/1/-
C62
0.47 B + 0.53 T
BZ 1 / 2.5 / BZ 2
53.42415 %
1.0

LOR 100.00000 %
ULOR 53.42415 %
DLOR 46.57585 %
UFF 53.42415 %
DFF 46.57585 %
FFR 114.70354 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	9.85	9.85	0.98 %	0.98 %
10°	28.03	37.88	2.80 %	3.79 %
15°	42.52	80.40	4.25 %	8.04 %
20°	52.14	132.54	5.21 %	13.25 %
25°	56.54	189.09	5.65 %	18.91 %
30°	55.94	245.03	5.59 %	24.50 %
35°	51.64	296.67	5.16 %	29.67 %
40°	44.45	341.12	4.44 %	34.11 %
45°	36.21	377.33	3.62 %	37.73 %
50°	27.90	405.24	2.79 %	40.52 %
55°	20.45	425.69	2.05 %	42.57 %
60°	14.41	440.10	1.44 %	44.01 %
65°	9.50	449.60	0.95 %	44.96 %
70°	5.84	455.44	0.58 %	45.54 %
75°	3.61	459.05	0.36 %	45.91 %
80°	2.68	461.73	0.27 %	46.17 %
85°	2.16	463.90	0.22 %	46.39 %
90°	1.86	465.76	0.19 %	46.58 %
95°	0.92	466.68	0.09 %	46.67 %
100°	1.02	467.70	0.10 %	46.77 %
105°	1.68	469.38	0.17 %	46.94 %
110°	2.53	471.91	0.25 %	47.19 %
115°	3.88	475.79	0.39 %	47.58 %
120°	7.84	483.63	0.78 %	48.36 %
125°	15.56	499.19	1.56 %	49.92 %
130°	25.84	525.03	2.58 %	52.50 %
135°	37.04	562.06	3.70 %	56.21 %
140°	47.39	609.45	4.74 %	60.95 %
145°	56.50	665.95	5.65 %	66.60 %
150°	62.59	728.55	6.26 %	72.85 %
155°	65.46	794.00	6.55 %	79.40 %
160°	63.58	857.58	6.36 %	85.76 %
165°	57.05	914.63	5.71 %	91.46 %
170°	45.53	960.16	4.55 %	96.02 %
175°	29.53	989.70	2.95 %	98.97 %
180°	10.30	1000.00	1.03 %	100.00 %

Luminaria
Código 2602
Nombre Structural wall
Ensayo
Código CL252A18F035G
Nombre 3000K CRI90

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Isolux (Suelo)

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

