

Luminaria

Código A622-002+DIF
Nombre LEDTUBE

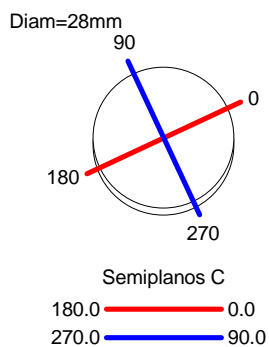
Ensayo

Código CL041A17F005G
Nombre LEDTUBE

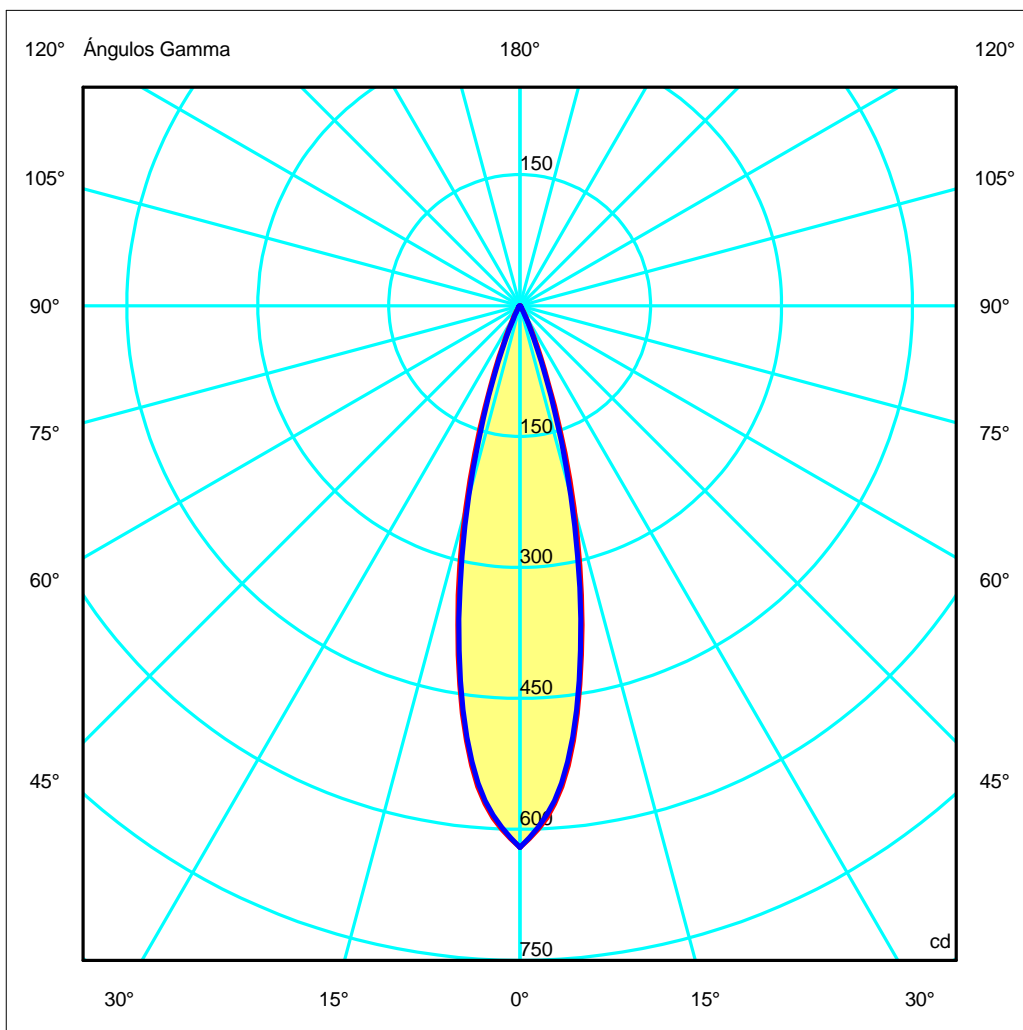
Flujo Luminaria	131.25 lm	Potencia luminaria	4.14 W	Eficacia	31.70 lm/W	Eficiencia	100.00%
Flujo de Lámpara	131.25 lm	Valor Máximo	620.43 cd	Posición	C=0.00 G=0.00	CG	Bisimétrico
Luminaria Redonda		Diam.	28 mm	Altura	110 mm		
Área Luminosa Redonda		Diam.	20 mm	Altura	0 mm		
Área Luminosa Horizontal		0.000314 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°		0.000076 m2	
Sist. de Coordn.		CG		Tipo de Simetría		Bisimétrico	
Fecha		27-09-2017		Máximo Ángulo Gamma		90	
Distancia de Ensayo		6.44		Flujo de Ensayo		131.25 lm	
Operador		Asselum T2		Tensión de alimentación [V]		230.00 V	
Temperatura		24.70 °C		Corriente de alimentación [A]		0.04 A	
Humedad		53.00 %		Fotocélula		Prc	
Notas		RM170920001					

Lámparas de la Luminaria

Familia	Código LED	Nombre LED	Flujo [lm]	Pot. [W]	Cant.
C.I.E.	98 99 100 100 100		131.25	4.14	1
F UTE	--				
		D DIN 5040 B NBN	A60 BZ 1		



ULOR 0.00 %
DLOR 100.00 %
RN 0.00 %



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Tabla de Intensidad Luminosa cd 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	620.43	620.43	620.43	620.43	620.43	620.43	620.43
G 5.0	553.11	542.84	547.74	543.27	546.65	542.36	548.82
G 10.0	406.29	403.75	405.71	401.83	401.70	397.51	400.60
G 15.0	239.56	232.49	235.83	221.02	218.97	220.34	225.82
G 20.0	98.46	87.69	90.54	80.74	81.35	78.80	87.55
G 25.0	30.73	26.09	26.38	22.03	23.31	21.65	23.41
G 30.0	9.93	7.20	7.51	6.22	6.34	6.56	6.92
G 35.0	3.53	3.26	3.20	2.91	3.08	2.89	3.00
G 40.0	1.99	1.73	1.69	1.59	1.67	1.63	1.66
G 45.0	1.12	1.04	0.98	0.94	1.03	0.96	0.95
G 50.0	0.76	0.68	0.66	0.65	0.70	0.66	0.67
G 55.0	0.58	0.55	0.52	0.53	0.56	0.54	0.55
G 60.0	0.49	0.47	0.46	0.46	0.46	0.46	0.46
G 65.0	0.45	0.43	0.43	0.42	0.44	0.42	0.42
G 70.0	0.40	0.41	0.41	0.41	0.41	0.42	0.42
G 75.0	0.40	0.40	0.39	0.40	0.41	0.39	0.42
G 80.0	0.40	0.39	0.37	0.39	0.41	0.39	0.40
G 85.0	0.34	0.34	0.34	0.33	0.35	0.34	0.35
G 90.0	0.24	0.24	0.25	0.24	0.25	0.24	0.26

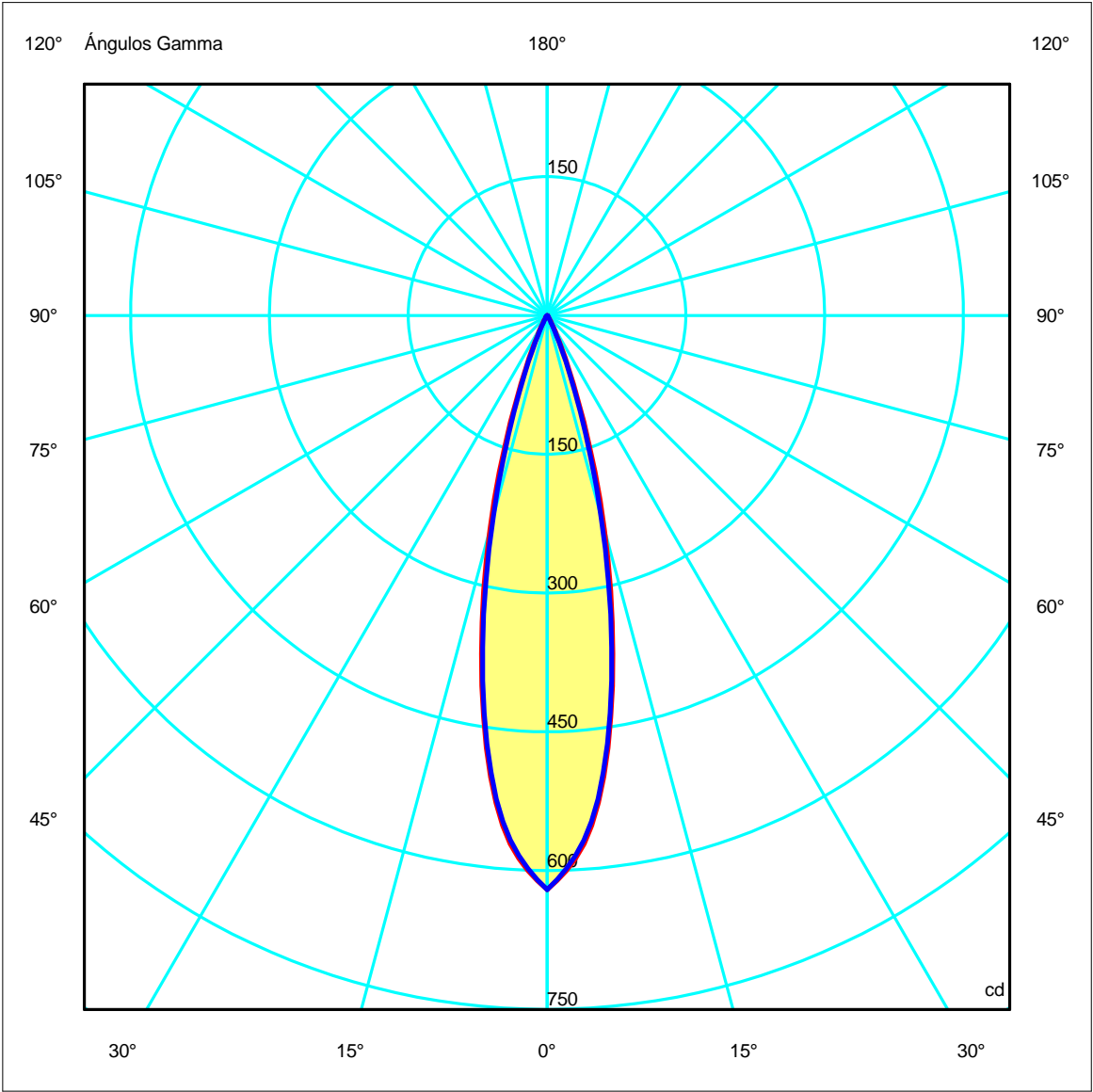
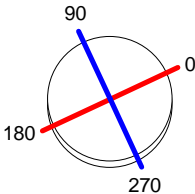
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Flujo de Lámpara	131.25 lm	Valor Máximo	620.43 cd	Posición	C=0.00 G=0.00	CG	Bisimétrico

Diam=28mm

Semiplanos C

180.0 ————— 0.0
270.0 ————— 90.0



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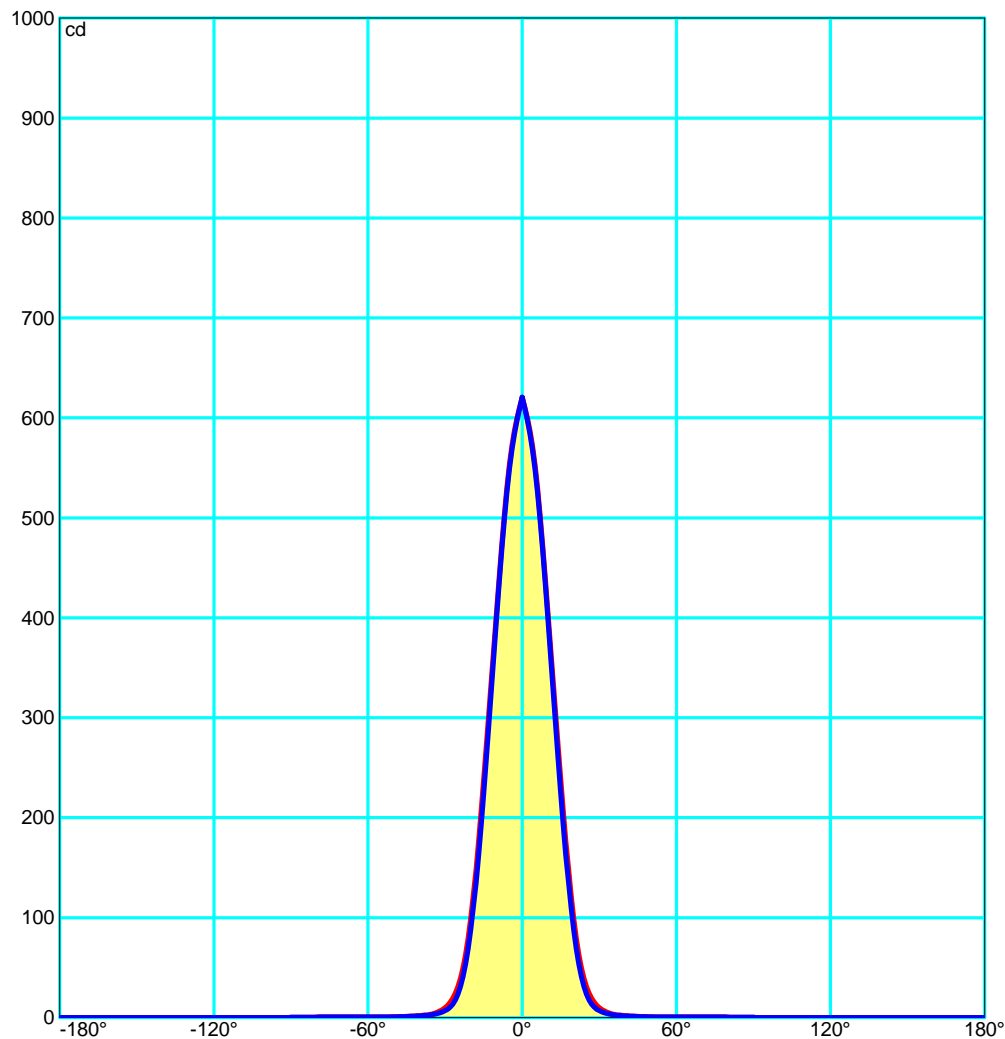
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Flujo de Lámpara	131.25 lm	Valor Máximo	620.43 cd	Posición	C=0.00 G=0.00	CG Bisimétrico	

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	5.8	6.5	6.0	6.6	6.8	5.5	6.2	5.8	6.4	6.6
x=2H y=3H	7.3	7.9	7.6	8.1	8.4	7.2	7.8	7.4	8.0	8.2
x=2H y=4H	8.5	9.1	8.8	9.3	9.6	8.4	9.0	8.7	9.2	9.5
x=2H y=6H	10.1	10.6	10.4	10.9	11.2	10.0	10.5	10.3	10.8	11.1
x=2H y=8H	11.0	11.5	11.4	11.8	12.1	11.0	11.5	11.3	11.7	12.1
x=2H y=12H	12.0	12.5	12.4	12.8	13.1	12.0	12.5	12.4	12.8	13.1
x=4H y=2H	6.3	6.8	6.6	7.1	7.3	6.1	6.6	6.4	6.9	7.1
x=4H y=3H	8.2	8.7	8.6	9.0	9.3	8.1	8.6	8.5	8.9	9.2
x=4H y=4H	9.7	10.1	10.0	10.4	10.7	9.6	10.0	10.0	10.3	10.7
x=4H y=6H	11.5	11.9	11.9	12.2	12.6	11.5	11.8	11.9	12.2	12.6
x=4H y=8H	12.6	12.9	13.0	13.3	13.7	12.6	12.9	13.0	13.3	13.7
x=4H y=12H	13.8	14.0	14.2	14.4	14.8	13.8	14.0	14.2	14.4	14.8
x=8H y=4H	10.4	10.7	10.8	11.1	11.5	10.4	10.7	10.8	11.0	11.4
x=8H y=6H	12.5	12.7	12.9	13.1	13.6	12.6	12.8	13.0	13.2	13.7
x=8H y=8H	13.7	13.9	14.2	14.4	14.8	13.8	14.0	14.3	14.5	14.9
x=8H y=12H	15.1	15.2	15.6	15.7	16.2	15.2	15.3	15.6	15.8	16.3
x=12H y=4H	10.6	10.9	11.0	11.3	11.7	10.6	10.8	11.0	11.2	11.6
x=12H y=6H	12.8	13.0	13.3	13.5	13.9	12.9	13.0	13.3	13.5	14.0
x=12H y=8H	14.1	14.3	14.6	14.7	15.2	14.2	14.4	14.7	14.8	15.3

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Flujo de Lámpara	131.25 lm	Valor Máximo	620.43 cd	Posición	C=0.00 G=0.00	CG Bisimétrico	

Flujo Total=131.25 Flujo Luminaria=131.25

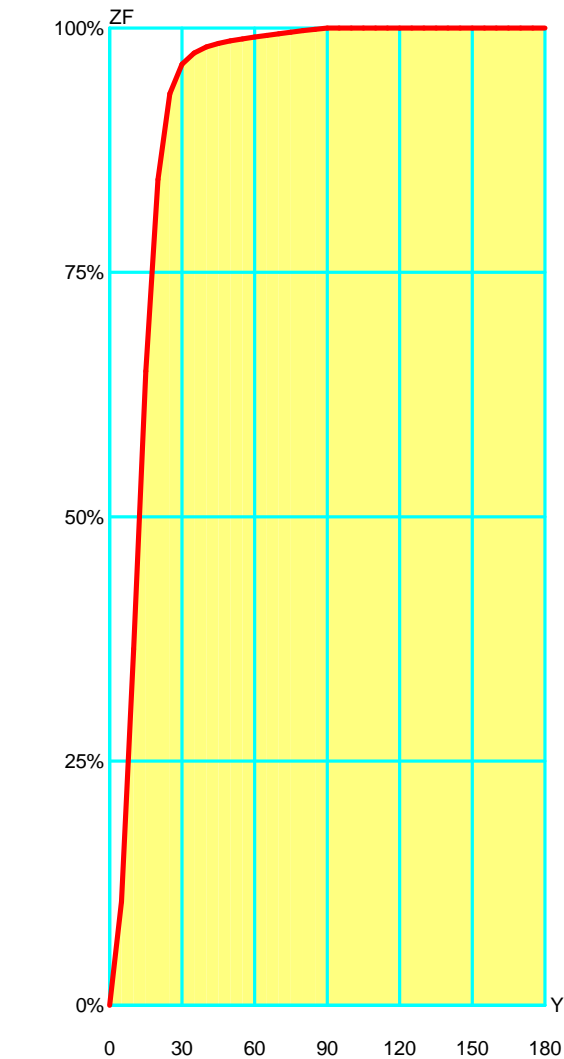
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.73	0.77	0.82	0.85	0.88	0.92	0.95	0.97	0.99	1.00	1.02	1.02
RC	-	-	-	-	-	-	-	-	-	-	-	-

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)	365	845	963	981	987	991	994	997	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

Códigos de Flujo C.I.E.
98 99 100 100 100

C.I.E.	-/-/-/-/-/-/-/-/-/-	LOR	100.00000 %
D DIN 5040	A60	ULOR	0.00000 %
F UTE	--	DLOR	100.00000 %
B NBN	BZ 1	UFF	0.00000 %
RN	0.00000 %	DFF	100.00000 %
BLF	1.0	FFR	0.00000 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	106.21	106.21	10.62 %	10.62 %
10°	258.37	364.58	25.84 %	36.46 %
15°	284.38	648.96	28.44 %	64.90 %
20°	196.06	845.03	19.61 %	84.50 %
25°	87.72	932.75	8.77 %	93.27 %
30°	30.34	963.09	3.03 %	96.31 %
35°	11.38	974.47	1.14 %	97.45 %
40°	6.09	980.56	0.61 %	98.06 %
45°	3.79	984.35	0.38 %	98.44 %
50°	2.58	986.93	0.26 %	98.69 %
55°	2.02	988.95	0.20 %	98.90 %
60°	1.78	990.73	0.18 %	99.07 %
65°	1.66	992.39	0.17 %	99.24 %
70°	1.63	994.01	0.16 %	99.40 %
75°	1.62	995.63	0.16 %	99.56 %
80°	1.62	997.25	0.16 %	99.73 %
85°	1.52	998.77	0.15 %	99.88 %
90°	1.23	1000.00	0.12 %	100.00 %
95°	0.00	1000.00	0.00 %	100.00 %
100°	0.00	1000.00	0.00 %	100.00 %
105°	0.00	1000.00	0.00 %	100.00 %
110°	0.00	1000.00	0.00 %	100.00 %
115°	0.00	1000.00	0.00 %	100.00 %
120°	0.00	1000.00	0.00 %	100.00 %
125°	0.00	1000.00	0.00 %	100.00 %
130°	0.00	1000.00	0.00 %	100.00 %
135°	0.00	1000.00	0.00 %	100.00 %
140°	0.00	1000.00	0.00 %	100.00 %
145°	0.00	1000.00	0.00 %	100.00 %
150°	0.00	1000.00	0.00 %	100.00 %
155°	0.00	1000.00	0.00 %	100.00 %
160°	0.00	1000.00	0.00 %	100.00 %
165°	0.00	1000.00	0.00 %	100.00 %
170°	0.00	1000.00	0.00 %	100.00 %
175°	0.00	1000.00	0.00 %	100.00 %
180°	0.00	1000.00	0.00 %	100.00 %

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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	161	145	91	82	138	78	94	80	50	43	31	24	18	12	40	25	22	14	12	21	12	11	0			
0.80	195	178	99	92	170	87	123	108	60	53	40	32	25	19	49	33	30	21	18	29	18	16	0			
1.00	218	203	101	94	193	90	147	132	65	59	47	39	32	25	55	40	37	28	24	35	24	22	0			
1.25	241	227	103	97	216	93	173	157	71	65	54	46	40	32	61	47	43	35	31	41	31	28	0			
1.50	259	246	103	99	234	95	193	178	75	70	59	52	46	38	66	52	49	41	37	47	37	34	0			
2.00	282	271	101	97	259	94	224	210	79	75	67	60	56	49	71	60	57	51	47	55	47	43	0			
2.50	298	289	98	96	276	93	246	233	82	78	72	66	64	56	74	66	63	59	54	61	55	51	0			
3.00	309	301	96	94	288	92	263	251	83	80	76	71	70	63	76	70	68	65	61	65	61	57	0			
4.00	326	320	96	95	306	93	286	276	87	84	82	78	78	72	81	77	75	73	69	72	69	65	0			
5.00	337	332	97	95	318	93	302	293	90	87	86	82	83	78	84	81	79	79	75	77	75	71	0			
10.00	361	358	97	97	344	95	337	332	95	94	95	93	95	92	91	91	90	91	89	88	88	85	0			
20.00	375	373	99	98	358	97	357	354	98	98	100	99	102	100	95	97	96	99	97	94	96	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	279	270	190	186	266	183	209	203	148	145	124	121	107	105	143	121	120	105	104	120	105	104	81
0.80	312	303	203	199	296	196	241	232	163	160	140	136	123	120	157	136	135	121	119	134	119	118	91
1.00	327	317	201	197	308	193	257	248	165	161	144	140	128	124	158	139	138	125	123	136	123	121	91
1.25	344	334	201	197	323	193	275	265	169	165	150	145	135	130	161	144	143	131	129	140	128	126	93
1.50	356	346	199	196	333	192	289	279	170	167	153	148	139	134	162	147	145	135	132	142	131	128	93
2.00	356	348	180	178	332	173	295	285	157	154	144	140	133	128	148	137	135	127	125	131	123	119	80
2.50	350	342	160	158	324	153	293	283	141	138	131	127	122	117	132	123	121	116	113	116	110	105	64
3.00	338	331	138	136	311	131	285	276	123	120	115	111	108	103	113	106	105	101	98	99	94	89	46
4.00	330	324	117	116	302	111	282	273	105	103	99	96	95	90	95	90	89	86	84	82	79	72	27
5.00	319	314	98	97	290	92	274	267	88	86	84	81	81	76	77	74	73	72	69	66	64	56	9
10.00	249	246	10	9	219	4	212	207	4	2	3	1	3	0	0	0	0	0	0	0	0	0	0
20.00	116	115	0	0	85	0	84	81	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	907	898	846	841	892	838	823	817	793	789	762	759	740	738	787	759	758	738	737	757	737	737	728
0.80	969	958	892	887	948	883	880	871	840	835	809	805	786	782	832	804	803	783	782	801	781	780	772
1.00	1000	1000	933	928	999	922	935	924	884	880	856	851	834	830	875	850	848	830	828	845	827	825	817
1.25	1000	1000	963	958	1000	952	981	968	919	914	892	887	872	866	907	885	882	866	864	879	862	859	851
1.50	1000	1000	984	980	1000	973	1000	1000	943	939	919	913	900	894	931	910	908	893	890	903	888	884	876
2.00	1000	1000	1000	1000	1000	1000	1000	1000	984	980	966	959	950	943	970	954	952	941	937	945	934	927	920
2.50	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	996	990	984	976	995	983	981	973	969	972	964	956	949
3.00	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	996	992	985	976	970
4.00	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	993	987
5.00	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	996
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: 0.425 SHR C90-C270: 0.416 SHR Superficial: 0.416

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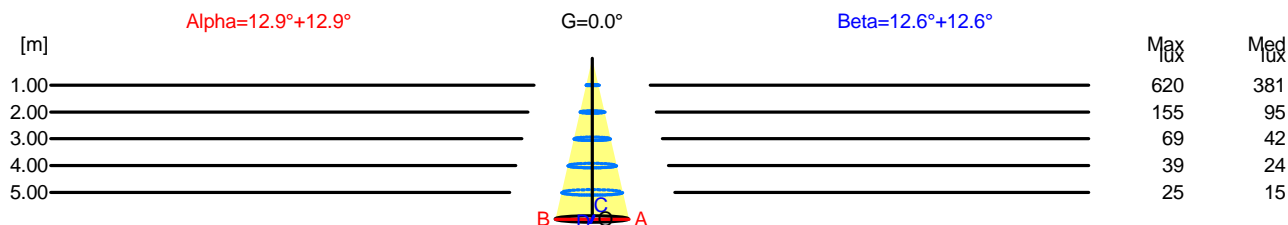
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Apertura a 50.00 % de Max Intensidad

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	0.23	0.46	0.68	0.91	1.14	OC	0.22	0.45	0.67	0.89	1.11
OB	0.23	0.46	0.68	0.91	1.14	OD	0.22	0.45	0.67	0.89	1.11

				Intensidades Luminosas [cd]							
	0	5	15	25	35	45	55	65	75	85	
OA	620.43	553.11	239.56	30.73	3.53	1.12	0.58	0.45	0.40	0.34	
OB	620.43	553.11	239.56	30.73	3.53	1.12	0.58	0.45	0.40	0.34	
OC	620.43	548.82	225.82	23.41	3.00	0.95	0.55	0.42	0.42	0.35	
OD	620.43	548.82	225.82	23.41	3.00	0.95	0.55	0.42	0.42	0.35	



H[m]	D[m]	Max lux	Med lux	Alpha=12.9°+12.9°	G=0.0	
1.00	0.46	620	381			
2.00	0.91	155	95			
3.00	1.37	69	42			
4.00	1.83	39	24			
5.00	2.28	25	15			

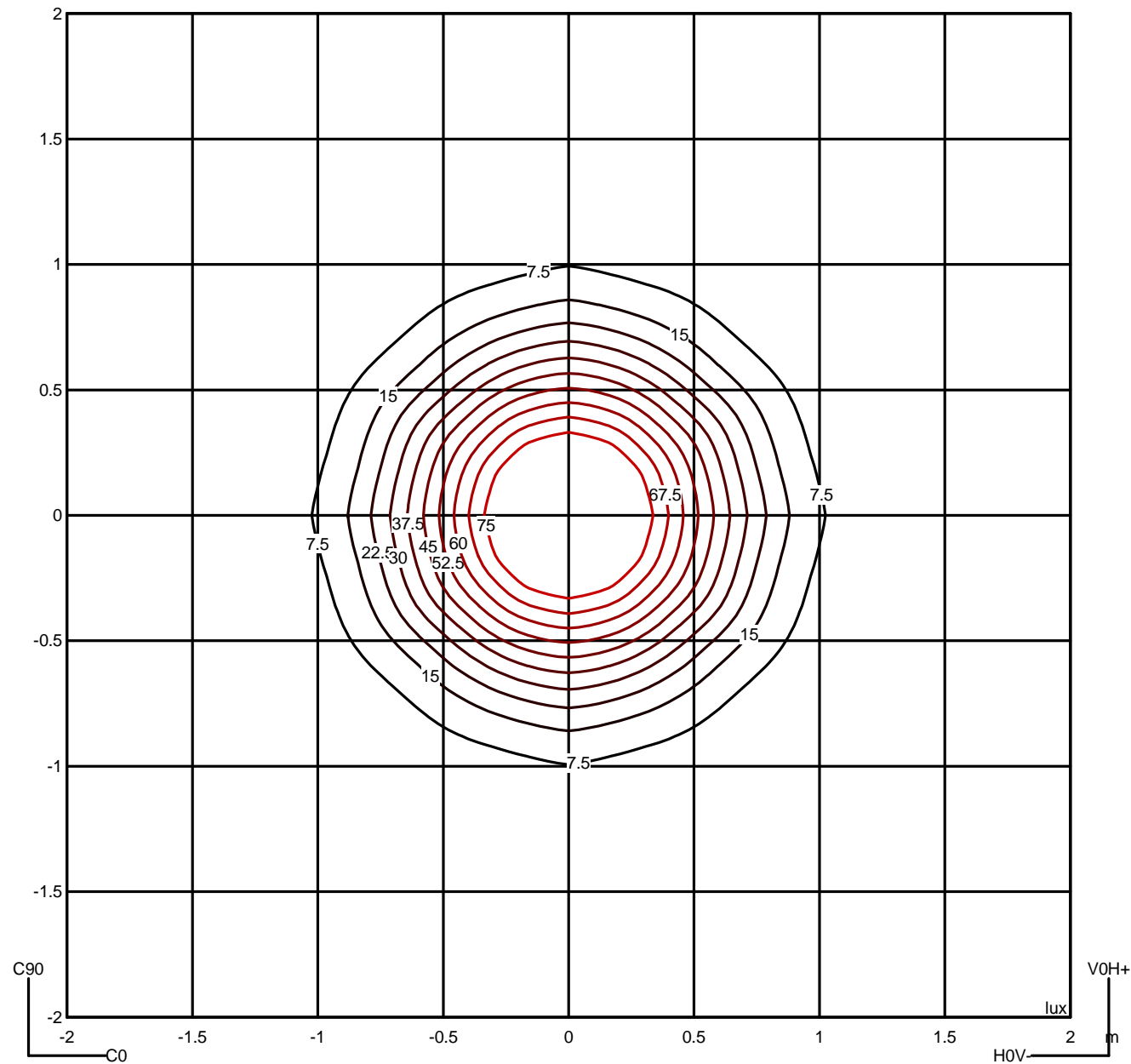
H[m]	D[m]	Max lux	Med lux	Beta=12.6°+12.6°	G=0.0	
1.00	0.45	620	381			
2.00	0.89	155	95			
3.00	1.34	69	42			
4.00	1.78	39	24			
5.00	2.23	25	15			

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Nombre LEDTUBE
Ensayo
Código CL041A17F005G
Nombre LEDTUBE

Flujo Luminaria	131.25 lm	Potencia luminaria	4.14 W	Eficacia	31.70 lm/W	Eficiencia	100.00%
Flujo de Lámpara	131.25 lm	Valor Máximo	620.43 cd	Posición	C=0.00 G=0.00	CG	Bisimétrico

Isolux (Suelo)

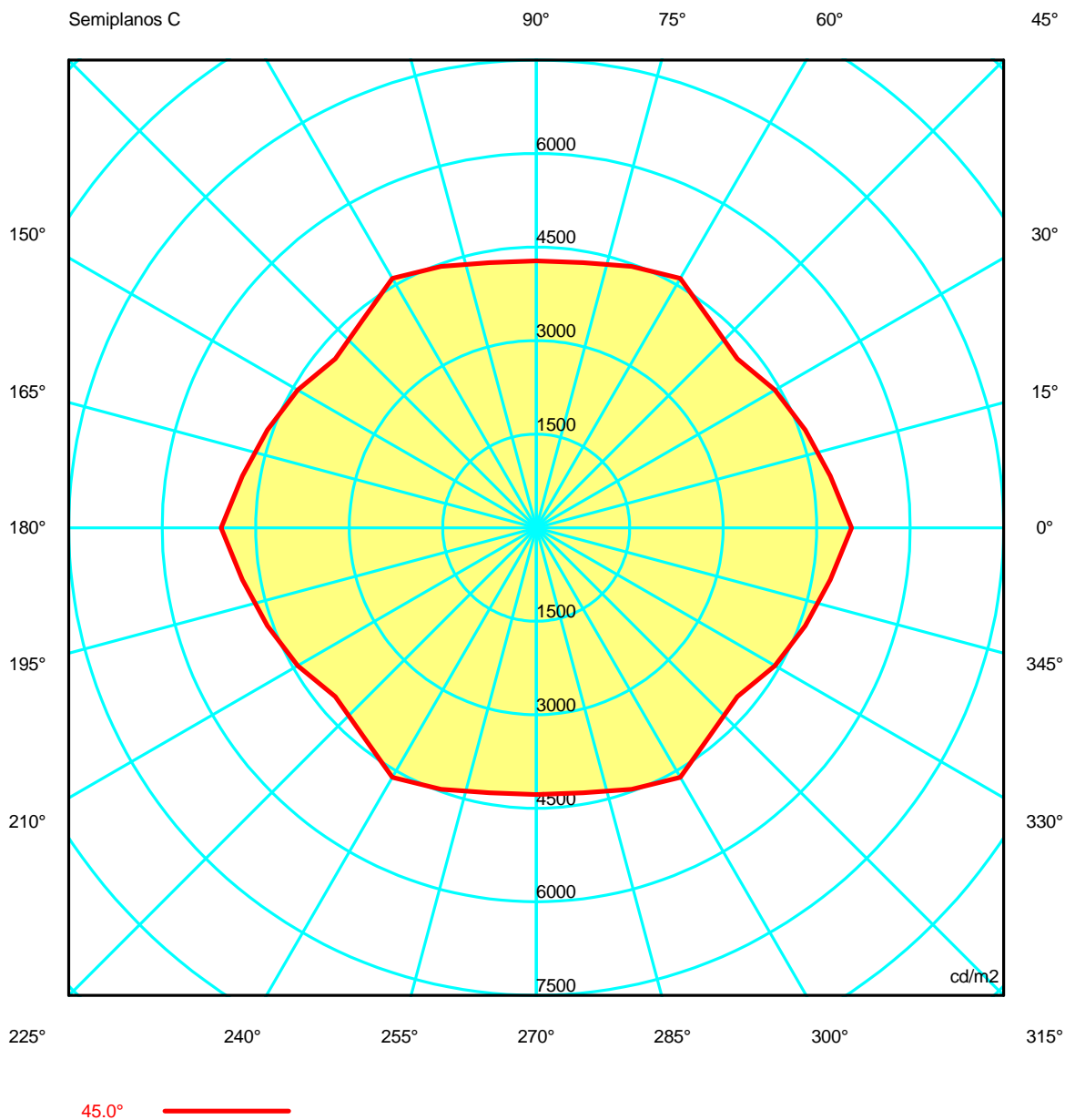
Posición Luminaria X=0.00m Y=0.00m Z=2.50m



Luminaria
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Flujo Luminaria	131.25 lm	Potencia luminaria	4.14 W	Eficacia	31.70 lm/W	Eficiencia	100.00%
Flujo de Lámpara	131.25 lm	Valor Máximo	620.43 cd	Posición	C=0.00 G=0.00	CG	Bisimétrico

Luminancia



Luminaria
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Flujo Luminaria	131.25 lm	Potencia luminaria	4.14 W	Eficacia	31.70 lm/W	Eficiencia	100.00%						
Flujo de Lámpara	131.25 lm	Valor Máximo	620.43 cd	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	1975898.26	1975898.26	1975898.26	1975898.26	1975898.26	1975898.26	1975898.26	1975898.26	1975898.26	1975898.26	1975898.26	1975898.26	1975898.26
G 5.0	1768220.22	1740482.75	1739109.00	1751047.57	1741066.43	1739195.51	1747566.06	1737762.44	1736434.00	1754500.93	1736434.00	1737762.44	1747566.06
G 10.0	1313884.58	1306331.14	1308021.69	1312015.03	1303459.88	1299310.64	1299047.33	1289221.48	1285990.08	1295462.96	1285990.08	1289221.48	1299047.33
G 15.0	789859.67	769038.00	771666.85	777547.93	745501.44	720944.87	721959.63	724192.87	731010.96	744530.80	731010.96	724192.87	721959.63
G 20.0	333693.78	303342.48	299961.67	306862.37	284358.72	274321.03	275718.87	268364.92	272500.71	296728.78	272500.71	268364.92	275718.87
G 25.0	107970.70	94807.43	91999.32	92693.63	81712.53	77545.78	81915.83	78096.00	76505.08	82273.34	76505.08	78096.00	81915.83
G 30.0	36533.59	28525.62	26419.55	27632.80	24507.17	23010.28	23317.32	23905.09	24465.05	25463.45	24465.05	23905.09	23317.32
G 35.0	13717.66	12895.54	12623.55	12456.26	11568.97	11460.39	11987.18	11500.13	11202.06	11681.71	11202.06	11500.13	11987.18
G 40.0	8257.25	7441.52	7084.71	7015.12	6710.52	6704.48	6958.18	6847.58	6761.15	6909.41	6761.15	6847.58	6958.18
G 45.0	5059.63	4789.02	4593.53	4421.86	4213.36	4340.86	4621.78	4463.01	4316.61	4279.30	4316.61	4463.01	4621.78
G 50.0	3789.23	3470.36	3303.22	3263.26	3221.84	3317.90	3451.97	3350.75	3263.10	3313.05	3263.10	3350.75	3451.97
G 55.0	3223.22	3103.59	2981.82	2892.80	2896.61	3002.41	3091.91	3020.14	2983.66	3065.85	2983.66	3020.14	3091.91
G 60.0	3149.20	3061.96	2983.04	2927.72	2912.71	2931.75	2949.70	2930.61	2925.51	2954.28	2925.51	2930.61	2949.70
G 65.0	3387.11	3298.08	3263.39	3243.25	3168.70	3214.02	3324.94	3257.19	3160.68	3129.46	3160.68	3257.19	3324.94
G 70.0	3766.76	3850.63	3845.15	3802.09	3846.19	3844.62	3799.64	3853.32	3895.14	3907.55	3895.14	3853.32	3799.64
G 75.0	4977.64	4950.92	4862.82	4752.85	4877.37	5029.82	5021.09	4869.63	4892.77	5163.69	4892.77	4869.63	5021.09
G 80.0	7419.08	7295.24	7059.99	6841.49	6922.26	7245.87	7483.83	7317.31	7186.36	7291.30	7186.36	7317.31	7483.83
G 85.0	12318.07	12461.95	12553.20	12417.93	12013.47	12241.28	12859.38	12728.63	12607.86	12912.98	12607.86	12728.63	12859.38
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
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Flujo Luminaria	131.25 lm	Potencia luminaria	4.14 W	Eficacia	31.70 lm/W	Eficiencia	100.00%						
Flujo de Lámpara	131.25 lm	Valor Máximo	620.43 cd	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	1975898.26	1975898.26	1975898.26	1975898.26	1975898.26	1975898.26	1975898.26	1975898.26	1975898.26	1975898.26	1975898.26	1975898.26	1975898.26
G 5.0	1739195.51	1741066.43	1751047.57	1739109.00	1740482.75	1768220.22	1740482.75	1739109.00	1751047.57	1741066.43	1739195.51	1747566.06	1737762.44
G 10.0	1299310.64	1303459.88	1312015.03	1308021.69	1306331.14	1313884.58	1306331.14	1308021.69	1312015.03	1303459.88	1299310.64	1299047.33	1289221.48
G 15.0	720944.87	745501.44	777547.93	771666.85	769038.00	789859.67	769038.00	771666.85	777547.93	745501.44	720944.87	721959.63	724192.87
G 20.0	274321.03	284358.72	306862.37	299961.67	303342.48	333693.78	303342.48	299961.67	306862.37	284358.72	274321.03	275718.87	268364.92
G 25.0	77545.78	81712.53	92693.63	91999.32	94807.43	107970.70	94807.43	91999.32	92693.63	81712.53	77545.78	81915.83	78096.00
G 30.0	23010.28	24507.17	27632.80	26419.55	28525.62	36533.59	28525.62	26419.55	27632.80	24507.17	23010.28	23317.32	23905.09
G 35.0	11460.39	11568.97	12456.26	12623.55	12895.54	13717.66	12895.54	12623.55	12456.26	11568.97	11460.39	11987.18	11500.13
G 40.0	6704.48	6710.52	7015.12	7084.71	7441.52	8257.25	7441.52	7084.71	7015.12	6710.52	6704.48	6958.18	6847.58
G 45.0	4340.86	4213.36	4421.86	4593.53	4789.02	5059.63	4789.02	4593.53	4421.86	4213.36	4340.86	4621.78	4463.01
G 50.0	3317.90	3221.84	3263.26	3303.22	3470.36	3789.23	3470.36	3303.22	3263.26	3221.84	3317.90	3451.97	3350.75
G 55.0	3002.41	2896.61	2892.80	2981.82	3103.59	3223.22	3103.59	2981.82	2892.80	2896.61	3002.41	3091.91	3020.14
G 60.0	2931.75	2912.71	2927.72	2983.04	3061.96	3149.20	3061.96	2983.04	2927.72	2912.71	2931.75	2949.70	2930.61
G 65.0	3214.02	3168.70	3243.25	3263.39	3298.08	3387.11	3298.08	3263.39	3243.25	3168.70	3214.02	3324.94	3257.19
G 70.0	3844.62	3846.19	3802.09	3845.15	3850.63	3766.76	3850.63	3845.15	3802.09	3846.19	3844.62	3799.64	3853.32
G 75.0	5029.82	4877.37	4752.85	4862.82	4950.92	4977.64	4950.92	4862.82	4752.85	4877.37	5029.82	5021.09	4869.63
G 80.0	7245.87	6922.26	6841.49	7059.99	7295.24	7419.08	7295.24	7059.99	6841.49	6922.26	7245.87	7483.83	7317.31
G 85.0	12241.28	12013.47	12417.93	12553.20	12461.95	12318.07	12461.95	12553.20	12417.93	12013.47	12241.28	12859.38	12728.63
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

Código A622-002+DIF

Nombre LEDTUBE

Ensayo

Código CL041A17F005G

Nombre LEDTUBE

Flujo Luminaria	131.25 lm	Potencia luminaria	4.14 W	Eficacia	31.70 lm/W	Eficiencia	100.00%
Flujo de Lámpara	131.25 lm	Valor Máximo	620.43 cd	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	1975898.26	1975898.26	1975898.26	1975898.26	1975898.26	1975898.26	1975898.26	1975898.26	1975898.26	1975898.26
G 5.0	1736434.00	1754500.93	1736434.00	1737762.44	1747566.06	1739195.51	1741066.43	1751047.57	1739109.00	1740482.75
G 10.0	1285990.08	1295462.96	1285990.08	1289221.48	1299047.33	1299310.64	1303459.88	1312015.03	1308021.69	1306331.14
G 15.0	731010.96	744530.80	731010.96	724192.87	721959.63	720944.87	745501.44	777547.93	771666.85	769038.00
G 20.0	272500.71	296728.78	272500.71	268364.92	275718.87	274321.03	284358.72	306862.37	299961.67	303342.48
G 25.0	76505.08	82273.34	76505.08	78096.00	81915.83	77545.78	81712.53	92693.63	91999.32	94807.43
G 30.0	24465.05	25463.45	24465.05	23905.09	23317.32	23010.28	24507.17	27632.80	26419.55	28525.62
G 35.0	11202.06	11681.71	11202.06	11500.13	11987.18	11460.39	11568.97	12456.26	12623.55	12895.54
G 40.0	6761.15	6909.41	6761.15	6847.58	6958.18	6704.48	6710.52	7015.12	7084.71	7441.52
G 45.0	4316.61	4279.30	4316.61	4463.01	4621.78	4340.86	4213.36	4421.86	4593.53	4789.02
G 50.0	3263.10	3313.05	3263.10	3350.75	3451.97	3317.90	3221.84	3263.26	3303.22	3470.36
G 55.0	2983.66	3065.85	2983.66	3020.14	3091.91	3002.41	2896.61	2892.80	2981.82	3103.59
G 60.0	2925.51	2954.28	2925.51	2930.61	2949.70	2931.75	2912.71	2927.72	2983.04	3061.96
G 65.0	3160.68	3129.46	3160.68	3257.19	3324.94	3214.02	3168.70	3243.25	3263.39	3298.08
G 70.0	3895.14	3907.55	3895.14	3853.32	3799.64	3844.62	3846.19	3802.09	3845.15	3850.63
G 75.0	4892.77	5163.69	4892.77	4869.63	5021.09	5029.82	4877.37	4752.85	4862.82	4950.92
G 80.0	7186.36	7291.30	7186.36	7317.31	7483.83	7245.87	6922.26	6841.49	7059.99	7295.24
G 85.0	12607.86	12912.98	12607.86	12728.63	12859.38	12241.28	12013.47	12417.93	12553.20	12461.95
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00