

## Luminaria

Código A622-002  
Nombre LEDTUBE

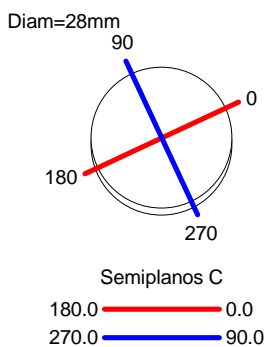
## Ensayo

Código CL041A17F004G  
Nombre LEDTUBE

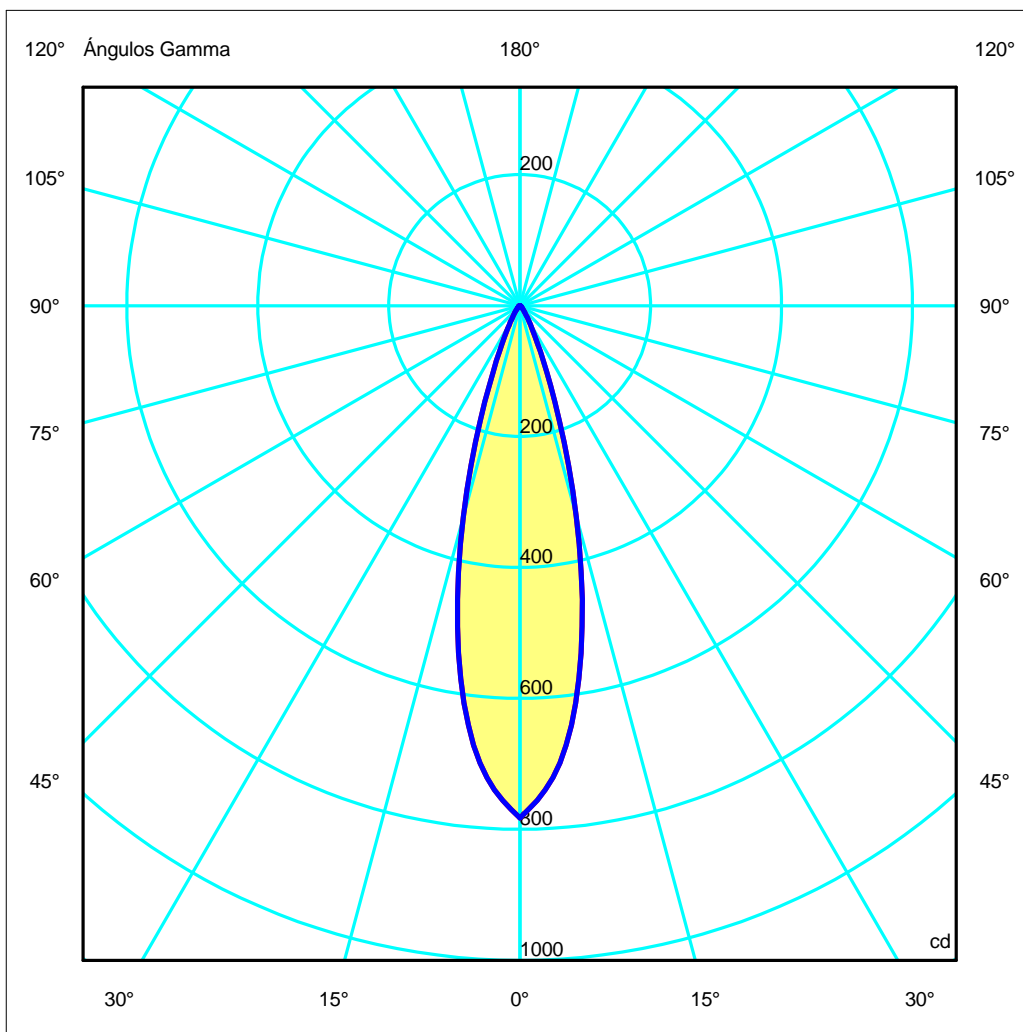
Flujo Luminaria	205.49 lm	Potencia luminaria	4.15 W	Eficacia	49.52 lm/W	Eficiencia	100.00%
Flujo de Lámpara	205.49 lm	Valor Máximo	782.20 cd	Posición	C=0.00 G=0.00	CG	Bisimétrico
Luminaria Redonda		Diam.	28 mm	Altura	110 mm		
Área Luminosa Redonda		Diam.	20 mm	Altura	0 mm		
Área Luminosa Horizontal		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 Coorden.		CG		Tipo de Simetría		Bisimétrico	
Fecha		20-09-2017		Máximo Ángulo Gamma		90	
Distancia de Ensayo		6.44		Flujo de Ensayo		205.49 lm	
Operador		Asselum T2		Tensión de alimentación [V]		230.08 V	
Temperatura		25.10 °C		Corriente de alimentación [A]		0.04 A	
Humedad		52.00 %		Fotocélula		Prc	
Notas		RM170920001					

## Lámparas de la Luminaria

Familia	Código LED	Nombre LED	Flujo [lm]	Pot. [W]	Cant.
C.I.E.	96 98 99 100 100		205.49	4.15	1
F UTE	1.00 A				
		D DIN 5040 B NBN	A60 BZ 1		



ULOR 0.00 %  
DLOR 100.00 %  
RN 0.00 %



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Flujo de Lámpara	205.49 lm	Valor Máximo	782.20 cd	Posición	C=0.00 G=0.00	CG	Bisimétrico

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	782.20	782.20	782.20	782.20	782.20	782.20	782.20
G 5.0	700.97	689.74	696.16	692.35	696.16	689.74	700.97
G 10.0	538.94	530.74	534.98	529.46	534.98	530.74	538.94
G 15.0	334.08	323.64	334.51	328.81	334.51	323.64	334.08
G 20.0	156.35	146.58	156.69	154.62	156.69	146.58	156.35
G 25.0	64.56	60.46	65.15	62.13	65.15	60.46	64.56
G 30.0	28.51	26.52	28.45	27.37	28.45	26.52	28.51
G 35.0	14.30	13.44	14.03	13.40	14.03	13.44	14.30
G 40.0	7.68	7.12	7.51	7.27	7.51	7.12	7.68
G 45.0	4.48	4.34	4.48	4.42	4.48	4.34	4.48
G 50.0	3.09	2.99	3.09	3.05	3.09	2.99	3.09
G 55.0	2.42	2.34	2.42	2.38	2.42	2.34	2.42
G 60.0	2.01	1.92	2.01	1.96	2.01	1.92	2.01
G 65.0	1.58	1.55	1.57	1.56	1.57	1.55	1.58
G 70.0	1.28	1.27	1.28	1.28	1.28	1.27	1.28
G 75.0	1.10	1.08	1.09	1.07	1.09	1.08	1.10
G 80.0	0.87	0.85	0.88	0.85	0.88	0.85	0.87
G 85.0	0.54	0.54	0.52	0.53	0.52	0.54	0.54
G 90.0	0.28	0.26	0.26	0.25	0.26	0.26	0.28

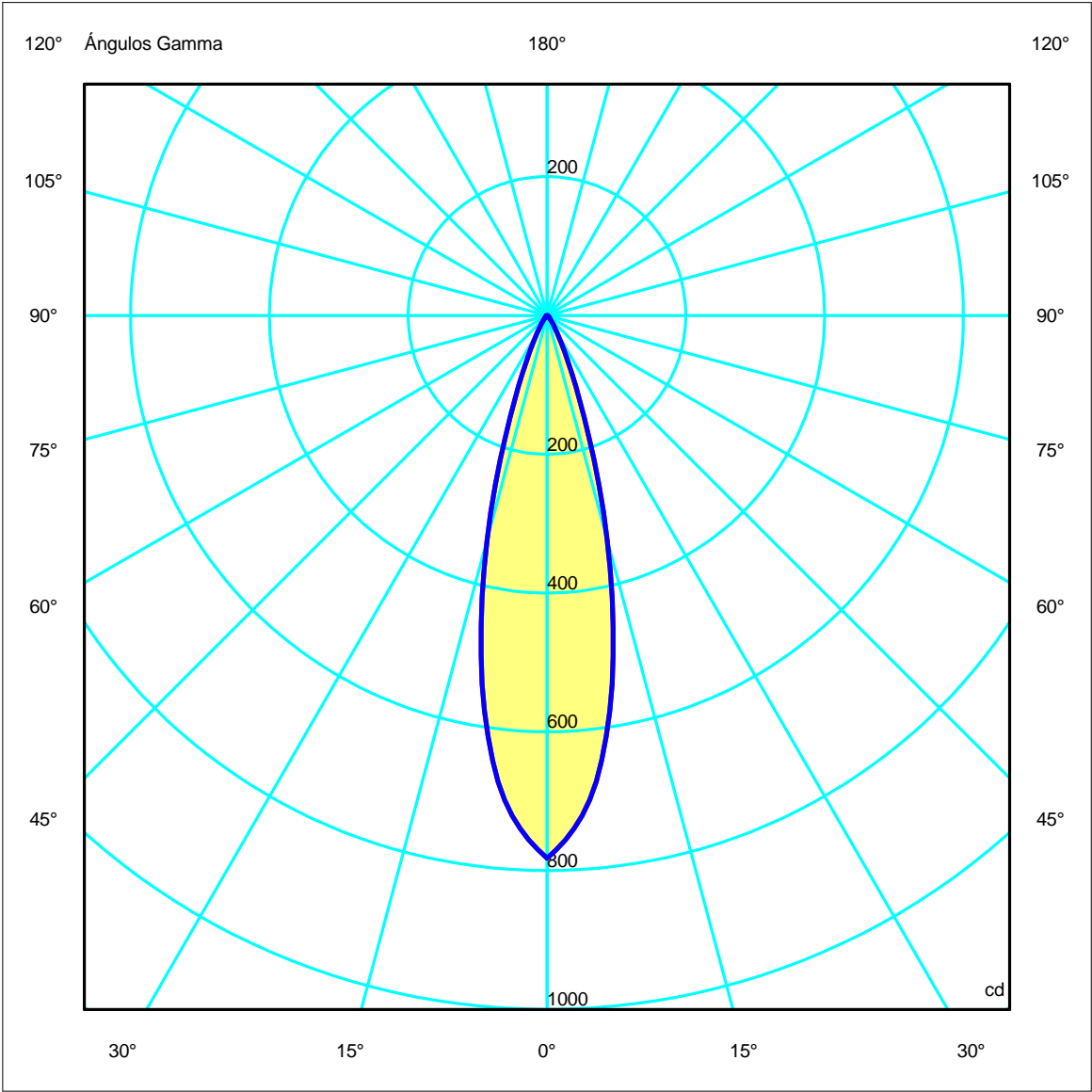
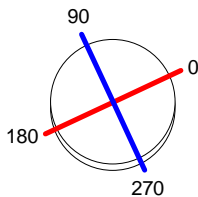
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Flujo de Lámpara	205.49 lm	Valor Máximo	782.20 cd	Posición	C=0.00 G=0.00	CG	Bisimétrico

Diam=28mm

Semiplanos C

180.0 ————— 0.0  
270.0 ————— 90.0



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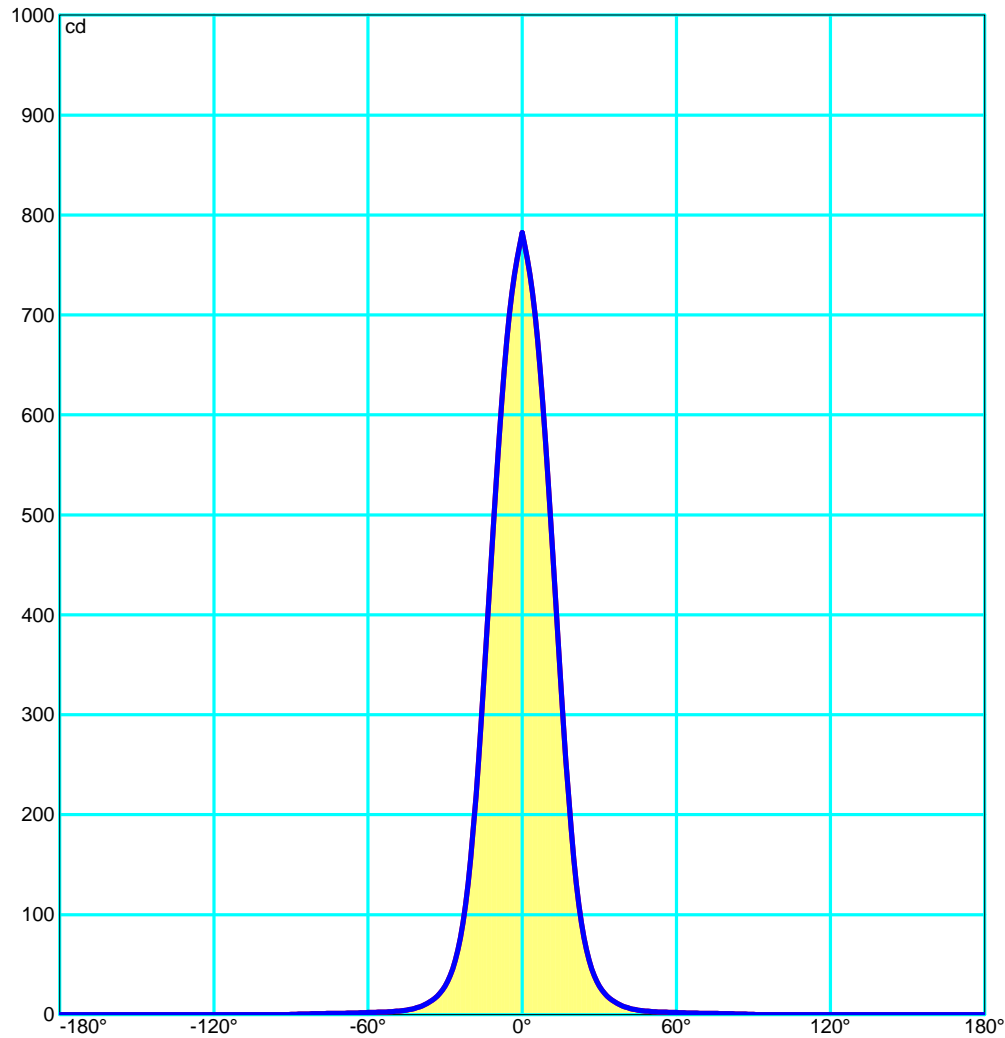
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Flujo Total=205.49 Flujo Luminaria=205.49

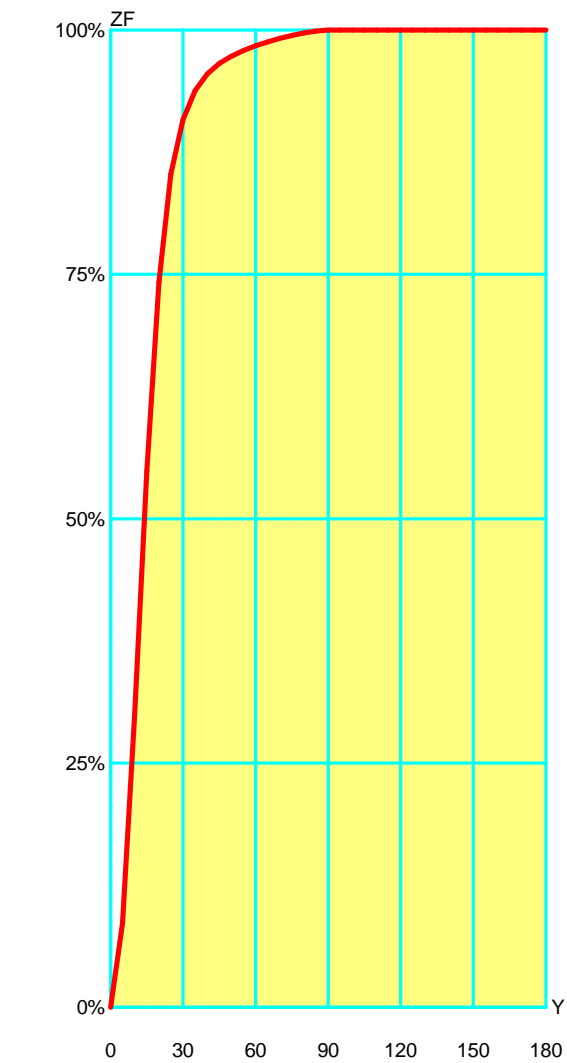
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.71	0.75	0.80	0.84	0.86	0.91	0.94	0.96	0.98	0.99	1.01	1.02
RC	-	-	-	-	-	-	-	-	-	-	-	-

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)	300	742	908	955	973	984	992	997	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

Códigos de Flujo C.I.E.  
96 98 99 100 100

C.I.E.	-/-/-/-/-/-/-/-/-/-	LOR	100.00000 %
D DIN 5040	A60	ULOR	0.00000 %
F UTE	1.00 A	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°	85.89	85.89	8.59 %	8.59 %
10°	213.69	299.58	21.37 %	29.96 %
15°	249.17	548.76	24.92 %	54.88 %
20°	193.63	742.38	19.36 %	74.24 %
25°	110.20	852.58	11.02 %	85.26 %
30°	55.81	908.39	5.58 %	90.84 %
35°	29.68	938.07	2.97 %	93.81 %
40°	17.17	955.23	1.72 %	95.52 %
45°	10.63	965.86	1.06 %	96.59 %
50°	7.35	973.21	0.74 %	97.32 %
55°	5.76	978.97	0.58 %	97.90 %
60°	4.90	983.87	0.49 %	98.39 %
65°	4.18	988.05	0.42 %	98.81 %
70°	3.50	991.55	0.35 %	99.15 %
75°	3.00	994.55	0.30 %	99.46 %
80°	2.54	997.09	0.25 %	99.71 %
85°	1.85	998.94	0.19 %	99.89 %
90°	1.06	1000.00	0.11 %	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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Flujo de Lámpara	205.49 lm	Valor Máximo	782.20 cd	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	164	147	94	85	140	81	95	80	52	44	32	24	18	12	41	26	23	14	12	22	12	11	0					
0.80	197	181	103	95	172	91	124	108	62	54	41	33	25	19	51	34	31	21	18	29	18	16	0					
1.00	220	205	104	98	195	93	148	132	67	60	47	39	32	25	56	40	37	28	24	35	24	22	0					
1.25	243	229	106	100	218	96	173	157	73	66	54	46	40	32	62	47	44	35	30	42	31	28	0					
1.50	261	248	106	102	236	98	194	178	77	71	60	52	46	38	67	53	50	41	36	47	37	34	0					
2.00	284	273	103	100	260	97	225	210	81	76	67	61	56	48	72	61	58	51	47	55	47	43	0					
2.50	300	290	101	98	277	95	247	233	83	79	73	67	64	56	75	66	64	59	54	61	54	51	0					
3.00	311	302	99	96	289	94	263	251	85	81	77	71	69	63	78	71	68	65	60	66	60	57	0					
4.00	328	321	98	97	307	94	287	276	88	86	82	78	77	71	82	77	75	73	69	73	69	65	0					
5.00	338	333	98	97	319	95	302	293	90	88	86	83	83	77	85	82	80	78	75	77	74	71	0					
10.00	362	359	98	98	344	96	337	332	96	95	95	93	95	91	92	91	90	91	89	88	88	85	0					
20.00	375	374	99	99	359	98	357	354	99	98	100	99	101	100	96	97	97	98	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	288	279	200	195	274	193	216	209	156	152	131	128	112	110	151	128	127	111	110	126	110	110	87
0.80	322	312	214	209	305	206	248	240	172	168	148	144	129	126	166	144	142	127	126	141	126	125	98
1.00	338	328	212	208	318	204	265	256	175	171	152	148	135	132	167	148	146	132	131	144	130	129	99
1.25	355	345	213	209	333	205	284	274	179	175	159	154	143	139	171	153	152	139	137	149	136	134	101
1.50	367	357	211	208	344	204	298	288	181	177	163	158	148	143	172	156	155	143	141	152	140	137	102
2.00	368	360	193	190	343	186	306	295	169	166	155	150	143	138	159	147	146	137	134	141	132	128	90
2.50	362	355	173	171	336	166	304	295	153	150	142	138	133	128	144	134	133	126	123	128	121	116	75
3.00	351	344	152	150	324	145	298	288	135	133	127	123	119	114	126	119	117	112	109	111	106	100	57
4.00	344	338	132	131	316	125	295	287	119	117	113	109	107	103	108	103	102	99	96	95	92	85	39
5.00	335	330	114	113	306	108	289	281	103	101	98	95	94	90	92	89	87	85	83	80	77	70	23
10.00	269	266	30	30	239	24	231	227	24	22	23	21	22	20	12	12	11	12	10	2	2	0	0
20.00	144	142	0	0	113	0	111	108	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	893	883	833	828	877	825	807	800	777	773	744	741	721	719	771	741	740	719	718	739	718	718	709
0.80	957	946	881	876	936	871	866	857	826	822	794	789	769	766	818	789	787	767	765	786	765	763	755
1.00	1000	1000	923	918	989	913	923	912	872	868	842	837	819	815	862	836	834	815	813	832	813	810	802
1.25	1000	1000	955	951	1000	944	970	958	908	904	881	875	859	853	897	873	871	853	851	867	849	846	838
1.50	1000	1000	978	973	1000	966	1000	993	935	930	909	903	889	882	922	900	897	882	879	893	877	872	864
2.00	1000	1000	1000	1000	1000	1000	1000	1000	977	973	957	951	940	933	962	946	943	932	928	936	924	918	910
2.50	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	989	982	975	968	989	976	973	965	961	965	955	947	940
3.00	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	993	1000	997	995	988	984	985	978	969
4.00	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	998	987	980
5.00	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	998	991
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: 0.453 SHR C90-C270: 0.453 SHR Superficial: 0.458

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Flujo de Lámpara	205.49 lm	Valor Máximo	782.20 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	14.2	14.9	14.4	15.1	15.3	14.2	14.9	14.4	15.1	15.3
x=2H y=3H	15.1	15.8	15.4	16.0	16.2	15.1	15.8	15.4	16.0	16.2
x=2H y=4H	15.8	16.3	16.1	16.6	16.9	15.8	16.3	16.1	16.6	16.9
x=2H y=6H	16.5	17.0	16.8	17.3	17.6	16.5	17.0	16.8	17.3	17.6
x=2H y=8H	16.9	17.4	17.2	17.7	18.0	16.9	17.4	17.2	17.7	18.0
x=2H y=12H	17.2	17.7	17.6	18.0	18.3	17.2	17.7	17.6	18.0	18.3
x=4H y=2H	14.6	15.1	14.9	15.4	15.7	14.6	15.1	14.9	15.4	15.7
x=4H y=3H	15.8	16.3	16.1	16.6	16.9	15.8	16.3	16.1	16.6	16.9
x=4H y=4H	16.6	17.0	17.0	17.4	17.7	16.6	17.0	17.0	17.4	17.7
x=4H y=6H	17.6	17.9	18.0	18.3	18.7	17.6	17.9	18.0	18.3	18.7
x=4H y=8H	18.1	18.4	18.5	18.7	19.2	18.1	18.4	18.5	18.7	19.2
x=4H y=12H	18.5	18.8	18.9	19.2	19.6	18.5	18.8	18.9	19.2	19.6
x=8H y=4H	17.0	17.3	17.4	17.7	18.1	17.0	17.3	17.4	17.7	18.1
x=8H y=6H	18.2	18.5	18.7	18.9	19.3	18.2	18.5	18.7	18.9	19.3
x=8H y=8H	18.8	19.0	19.3	19.5	19.9	18.8	19.0	19.3	19.5	19.9
x=8H y=12H	19.4	19.6	19.9	20.0	20.5	19.4	19.6	19.9	20.0	20.5
x=12H y=4H	17.1	17.4	17.5	17.8	18.2	17.1	17.4	17.5	17.8	18.2
x=12H y=6H	18.4	18.6	18.8	19.0	19.5	18.4	18.6	18.8	19.0	19.5
x=12H y=8H	19.0	19.2	19.5	19.7	20.2	19.0	19.2	19.5	19.7	20.2



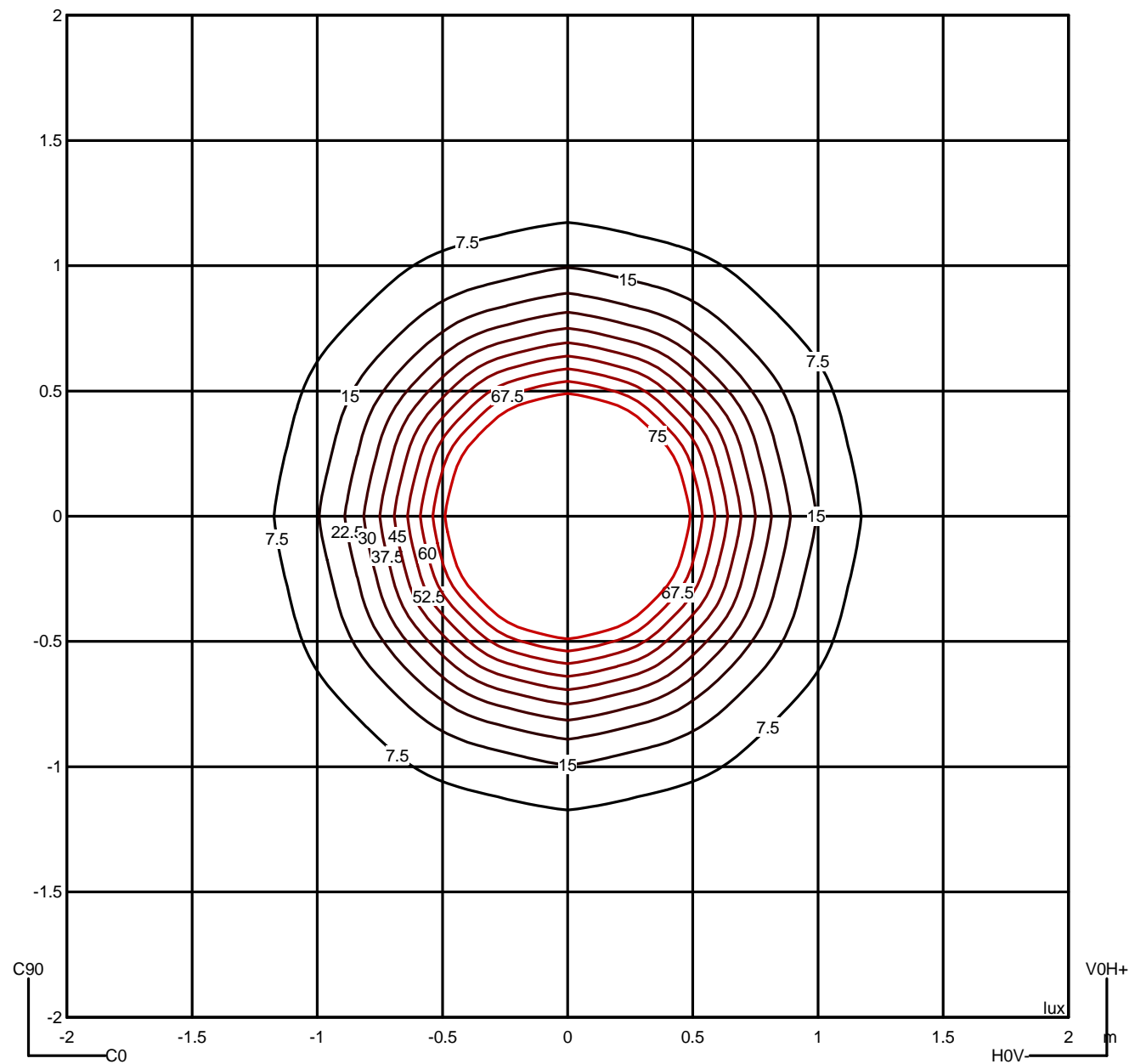


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Isolux (Suelo)

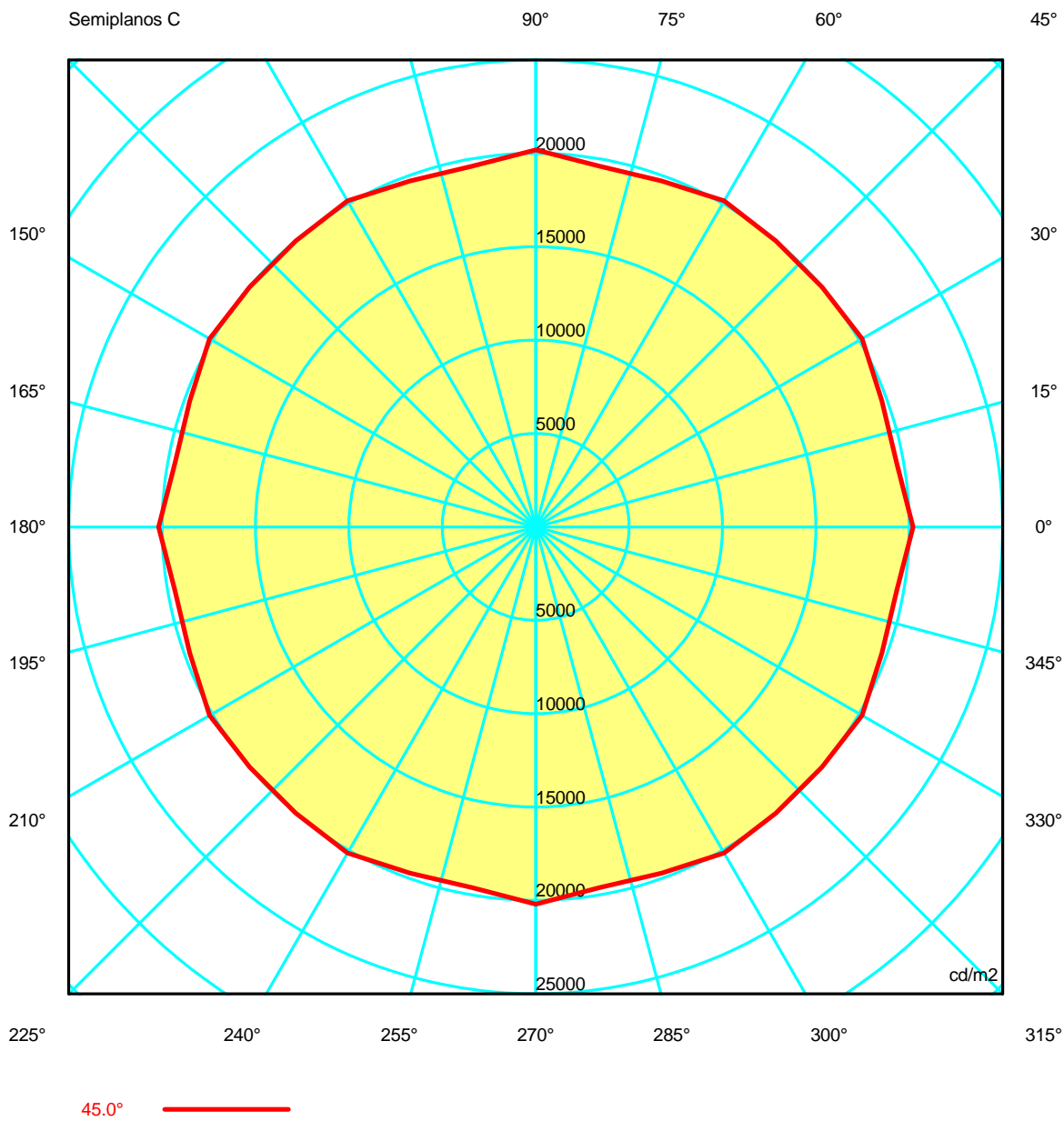
Posición Luminaria X=0.00m Y=0.00m Z=2.50m



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**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	2491067.88	2491067.88	2491067.88	2491067.88	2491067.88	2491067.88	2491067.88	2491067.88	2491067.88	2491067.88	2491067.88	2491067.88	2491067.88
G 5.0	2240901.75	2210260.27	2209954.09	2225527.22	2216963.13	2216963.13	2225527.22	2209954.09	2210260.27	2240901.75	2210260.27	2209954.09	2225527.22
G 10.0	1742856.08	1719996.50	1720338.27	1730049.89	1716572.98	1716572.98	1730049.89	1720338.27	1719996.50	1742856.08	1719996.50	1720338.27	1730049.89
G 15.0	1101488.75	1069691.77	1077609.90	1102913.85	1089691.40	1089691.40	1102913.85	1077609.90	1069691.77	1101488.75	1069691.77	1077609.90	1102913.85
G 20.0	529886.42	499815.73	505821.01	531041.04	526358.40	526358.40	531041.04	505821.01	499815.73	529886.42	499815.73	505821.01	531041.04
G 25.0	226871.67	213250.98	217598.68	228936.29	221264.55	221264.55	228936.29	217598.68	213250.98	226871.67	213250.98	217598.68	228936.29
G 30.0	104837.80	98143.57	99594.06	104630.13	101824.60	101824.60	104630.13	99594.06	98143.57	104837.80	98143.57	99594.06	104630.13
G 35.0	55608.71	52652.72	52965.75	54543.96	52723.71	52723.71	54543.96	52965.75	52652.72	55608.71	52652.72	52965.75	54543.96
G 40.0	31921.01	29897.37	30035.72	31222.92	30527.51	30527.51	31222.92	30035.72	29897.37	31921.01	29897.37	30035.72	31222.92
G 45.0	20194.71	19612.73	19719.63	20160.40	19991.42	19991.42	20160.40	19719.63	19612.73	20194.71	19612.73	19719.63	20160.40
G 50.0	15309.57	14857.29	14957.08	15322.80	15195.05	15195.05	15322.80	14957.08	14857.29	15309.57	14857.29	14957.08	15322.80
G 55.0	13423.57	13041.10	13152.01	13463.55	13268.96	13268.96	13463.55	13152.01	13041.10	13423.57	13041.10	13152.01	13463.55
G 60.0	12828.11	12292.88	12395.93	12782.47	12560.30	12560.30	12782.47	12395.93	12292.88	12828.11	12292.88	12395.93	12782.47
G 65.0	11897.52	11696.85	11693.48	11810.42	11794.02	11794.02	11810.42	11693.48	11696.85	11897.52	11696.85	11693.48	11810.42
G 70.0	11898.78	11786.73	11829.54	11954.10	11943.74	11943.74	11954.10	11829.54	11786.73	11898.78	11786.73	11829.54	11954.10
G 75.0	13511.77	13269.78	13315.20	13447.47	13237.49	13237.49	13447.47	13315.20	13269.78	13511.77	13269.78	13315.20	13447.47
G 80.0	16033.84	15668.63	15853.09	16180.36	15799.74	15799.74	16180.36	15853.09	15668.63	16033.84	15668.63	15853.09	16180.36
G 85.0	19642.95	19949.25	19619.60	19056.48	19215.47	19215.47	19056.48	19619.60	19949.25	19642.95	19949.25	19619.60	19056.48
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  
Nombre LEDTUBE  
**Ensayo**  
Código CL041A17F004G  
Nombre LEDTUBE

Flujo Luminaria	205.49 lm	Potencia luminaria	4.15 W	Eficacia	49.52 lm/W	Eficiencia	100.00%
Flujo de Lámpara	205.49 lm	Valor Máximo	782.20 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	2491067.88	2491067.88	2491067.88	2491067.88	2491067.88	2491067.88	2491067.88	2491067.88	2491067.88	2491067.88	2491067.88	2491067.88	2491067.88
G 5.0	2216963.13	2216963.13	2225527.22	2209954.09	2210260.27	2240901.75	2210260.27	2209954.09	2225527.22	2216963.13	2216963.13	2225527.22	2209954.09
G 10.0	1716572.98	1716572.98	1730049.89	1720338.27	1719996.50	1742856.08	1719996.50	1720338.27	1730049.89	1716572.98	1716572.98	1730049.89	1720338.27
G 15.0	1089691.40	1089691.40	1102913.85	1077609.90	1069691.77	1101488.75	1069691.77	1077609.90	1102913.85	1089691.40	1089691.40	1102913.85	1077609.90
G 20.0	526358.40	526358.40	531041.04	505821.01	499815.73	529886.42	499815.73	505821.01	531041.04	526358.40	526358.40	531041.04	505821.01
G 25.0	221264.55	221264.55	228936.29	217598.68	213250.98	226871.67	213250.98	217598.68	228936.29	221264.55	221264.55	228936.29	217598.68
G 30.0	101824.60	101824.60	104630.13	99594.06	98143.57	104837.80	98143.57	99594.06	104630.13	101824.60	101824.60	104630.13	99594.06
G 35.0	52723.71	52723.71	54543.96	52965.75	52652.72	55608.71	52652.72	52965.75	54543.96	52723.71	52723.71	54543.96	52965.75
G 40.0	30527.51	30527.51	31222.92	30035.72	29897.37	31921.01	29897.37	30035.72	31222.92	30527.51	30527.51	31222.92	30035.72
G 45.0	19991.42	19991.42	20160.40	19719.63	19612.73	20194.71	19612.73	19719.63	20160.40	19991.42	19991.42	20160.40	19719.63
G 50.0	15195.05	15195.05	15322.80	14957.08	14857.29	15309.57	14857.29	14957.08	15322.80	15195.05	15195.05	15322.80	14957.08
G 55.0	13268.96	13268.96	13463.55	13152.01	13041.10	13423.57	13041.10	13152.01	13463.55	13268.96	13268.96	13463.55	13152.01
G 60.0	12560.30	12560.30	12782.47	12395.93	12292.88	12828.11	12292.88	12395.93	12782.47	12560.30	12560.30	12782.47	12395.93
G 65.0	11794.02	11794.02	11810.42	11693.48	11696.85	11897.52	11696.85	11693.48	11810.42	11794.02	11794.02	11810.42	11693.48
G 70.0	11943.74	11943.74	11954.10	11829.54	11786.73	11898.78	11786.73	11829.54	11954.10	11943.74	11943.74	11954.10	11829.54
G 75.0	13237.49	13237.49	13447.47	13315.20	13269.78	13511.77	13269.78	13315.20	13447.47	13237.49	13237.49	13447.47	13315.20
G 80.0	15799.74	15799.74	16180.36	15853.09	15668.63	16033.84	15668.63	15853.09	16180.36	15799.74	15799.74	16180.36	15853.09
G 85.0	19215.47	19215.47	19056.48	19619.60	19949.25	19642.95	19949.25	19619.60	19056.48	19215.47	19215.47	19056.48	19619.60
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

Nombre LEDTUBE

## Ensayo

Código CL041A17F004G

Nombre LEDTUBE

Flujo Luminaria	205.49 lm	Potencia luminaria	4.15 W	Eficacia	49.52 lm/W	Eficiencia	100.00%
Flujo de Lámpara	205.49 lm	Valor Máximo	782.20 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	2491067.88	2491067.88	2491067.88	2491067.88	2491067.88	2491067.88	2491067.88	2491067.88	2491067.88	2491067.88
G 5.0	2210260.27	2240901.75	2210260.27	2209954.09	2225527.22	2216963.13	2216963.13	2225527.22	2209954.09	2210260.27
G 10.0	1719996.50	1742856.08	1719996.50	1720338.27	1730049.89	1716572.98	1716572.98	1730049.89	1720338.27	1719996.50
G 15.0	1069691.77	1101488.75	1069691.77	1077609.90	1102913.85	1089691.40	1089691.40	1102913.85	1077609.90	1069691.77
G 20.0	499815.73	529886.42	499815.73	505821.01	531041.04	526358.40	526358.40	531041.04	505821.01	499815.73
G 25.0	213250.98	226871.67	213250.98	217598.68	228936.29	221264.55	221264.55	228936.29	217598.68	213250.98
G 30.0	98143.57	104837.80	98143.57	99594.06	104630.13	101824.60	101824.60	104630.13	99594.06	98143.57
G 35.0	52652.72	55608.71	52652.72	52965.75	54543.96	52723.71	52723.71	54543.96	52965.75	52652.72
G 40.0	29897.37	31921.01	29897.37	30035.72	31222.92	30527.51	30527.51	31222.92	30035.72	29897.37
G 45.0	19612.73	20194.71	19612.73	19719.63	20160.40	19991.42	19991.42	20160.40	19719.63	19612.73
G 50.0	14857.29	15309.57	14857.29	14957.08	15322.80	15195.05	15195.05	15322.80	14957.08	14857.29
G 55.0	13041.10	13423.57	13041.10	13152.01	13463.55	13268.96	13268.96	13463.55	13152.01	13041.10
G 60.0	12292.88	12828.11	12292.88	12395.93	12782.47	12560.30	12560.30	12782.47	12395.93	12292.88
G 65.0	11696.85	11897.52	11696.85	11693.48	11810.42	11794.02	11794.02	11810.42	11693.48	11696.85
G 70.0	11786.73	11898.78	11786.73	11829.54	11954.10	11943.74	11943.74	11954.10	11829.54	11786.73
G 75.0	13269.78	13511.77	13269.78	13315.20	13447.47	13237.49	13237.49	13447.47	13315.20	13269.78
G 80.0	15668.63	16033.84	15668.63	15853.09	16180.36	15799.74	15799.74	16180.36	15853.09	15668.63
G 85.0	19949.25	19642.95	19949.25	19619.60	19056.48	19215.47	19215.47	19056.48	19619.60	19949.25
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00