

LEDS C4[®]

Luminaria

Código 55-E056-DC-CL
Nombre ROW

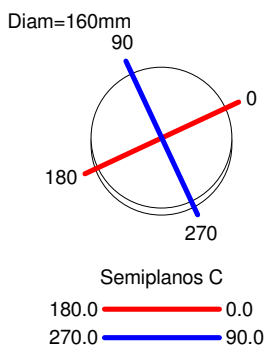
Ensayo

Código 55-E056-DC-CL
Nombre ROW

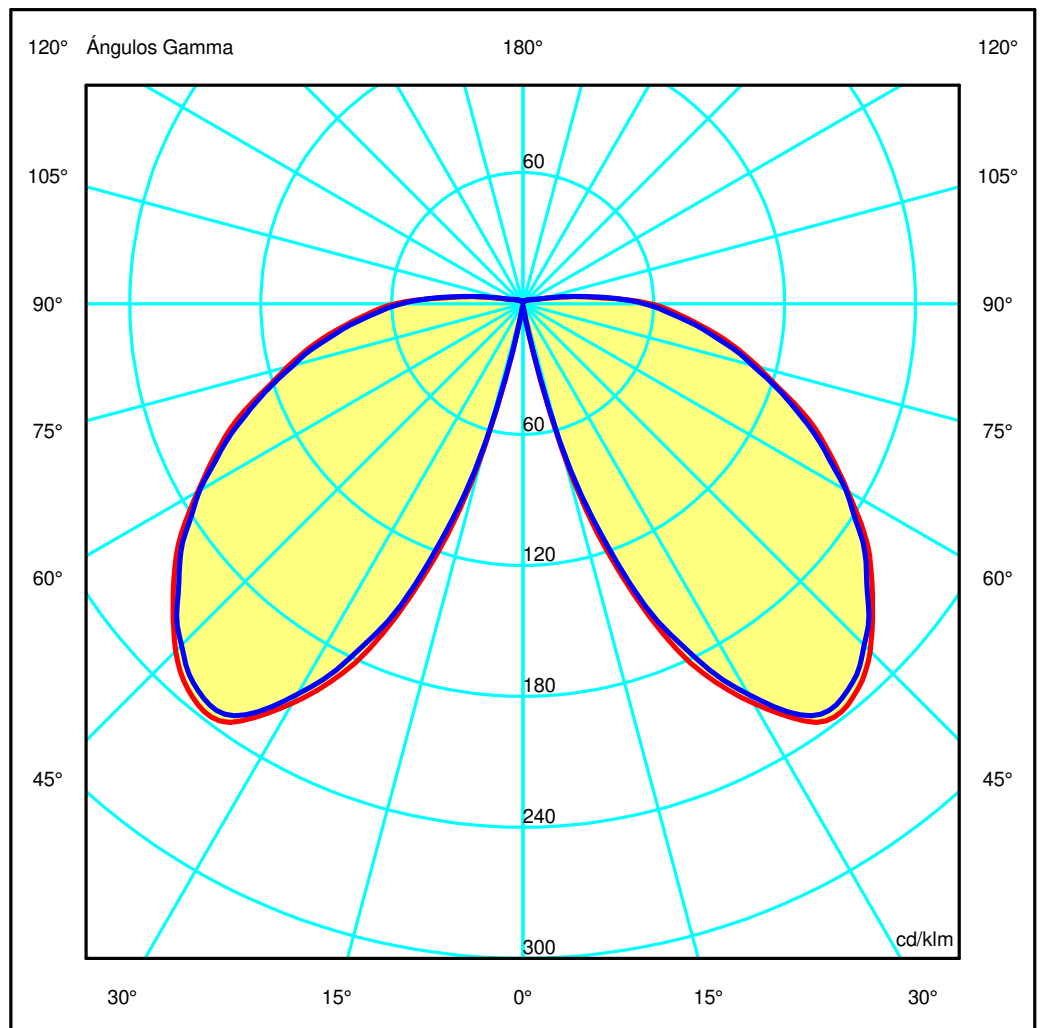
Flujo Luminaria	1071.26 lm	Potencia luminaria	19.30 W	Eficacia	55.51 lm/W	Eficiencia	100.00%
Flujo de Lámpara	1071.26 lm	Valor Máximo	237.34 cd/klm	Posición	C=0.00 G=37.50	CG	Bisimétrico
Luminaria Redonda		Diam.	160 mm	Altura	80 mm		
Área Luminosa Redonda		Diam.	140 mm	Altura	0 mm		
Área Luminosa Horizontal	0.015394 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°	0.003724 m2		
Sist. de Coorden.	CG			Tipo de Simetría	Bisimétrico		
Fecha	14-12-2018			Máximo Ángulo Gamma	180		
Distancia de Ensayo	0.00			Flujo de Ensayo	1071.26 lm		
Operador	qualitat			Tensión de alimentación [V]			
Temperatura	25.00 °C			Corriente de alimentación [A]			
Humedad	60.00 %			Fotocélula			
Notas							

Lámparas de la Luminaria

Familia	Código	Nombre	Flujo [lm]	Pot. [W]	Cant.
	10-E055-DC-CL	10-E055-DC-CL	1071.26	19.30	1
C.I.E.	29 63 86 93 100		D DIN 5040	A11	
F UTE	0.93 H + 0.07 T		B NBN	BZ 7 / 1.25 / BZ 6	



ULOR 6.59 %
DLOR 93.41 %
RN 6.59 %



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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	1.11	1.11	1.11	1.11	1.11	1.11	1.11
G 2.5	1.16	1.11	1.15	1.16	1.22	1.18	1.21
G 5.0	1.37	1.30	1.36	1.34	1.38	1.37	1.40
G 7.5	1.68	2.02	2.48	1.87	2.61	1.63	2.58
G 10.0	4.99	6.88	7.94	5.80	9.72	4.71	8.20
G 12.5	28.85	25.54	28.65	27.34	28.89	25.48	27.38
G 15.0	68.85	61.16	64.48	63.61	63.50	67.31	64.98
G 17.5	104.84	104.76	102.61	104.04	102.25	100.92	97.56
G 20.0	132.71	136.57	134.77	135.95	132.79	128.91	125.99
G 22.5	159.22	159.51	160.58	161.22	157.78	154.50	153.84
G 25.0	181.41	178.26	180.90	180.88	176.38	177.81	172.73
G 27.5	197.64	195.90	197.97	196.19	193.71	193.62	191.98
G 30.0	211.47	211.40	211.43	211.02	208.28	207.80	206.75
G 32.5	223.84	224.99	223.52	224.01	218.99	220.53	220.61
G 35.0	234.19	233.66	232.08	233.43	227.10	230.54	230.46
G 37.5	237.34	236.18	234.67	235.37	229.67	233.33	233.35
G 40.0	235.41	233.89	232.66	232.70	227.91	231.19	231.42
G 42.5	231.33	228.52	228.52	227.93	222.96	226.94	227.58
G 45.0	225.03	222.61	222.32	221.98	216.46	221.55	221.17
G 47.5	217.16	215.98	215.49	214.33	210.07	213.63	215.00
G 50.0	209.16	208.83	207.47	207.04	202.69	205.73	206.13
G 52.5	201.13	199.80	199.43	199.04	194.37	198.12	198.33
G 55.0	192.82	190.39	190.32	190.06	186.57	189.86	190.17
G 57.5	182.49	181.61	180.91	180.94	177.48	180.80	179.81
G 60.0	171.78	172.42	171.01	171.09	169.11	169.24	170.91
G 62.5	162.14	162.37	161.27	161.27	159.80	159.56	159.82
G 65.0	152.70	151.70	151.56	151.49	148.84	150.14	150.30
G 67.5	143.22	140.58	141.39	141.14	139.02	140.30	139.61
G 70.0	131.63	131.02	131.02	130.91	129.25	129.21	129.23
G 72.5	120.52	121.74	121.09	121.08	120.01	118.15	118.97
G 75.0	111.51	110.94	111.16	111.45	110.19	108.99	108.87
G 77.5	102.60	101.10	102.39	101.83	100.19	100.07	100.28
G 80.0	93.52	92.45	92.89	93.35	91.00	91.62	89.99
G 82.5	84.02	84.19	84.11	83.28	82.69	81.28	81.63
G 85.0	75.09	76.24	75.51	75.22	73.70	72.28	71.90
G 87.5	67.13	66.81	66.59	66.42	64.76	64.38	63.82
G 90.0	58.45	56.83	57.19	57.74	56.26	56.20	55.69
G 92.5	45.53	45.28	46.80	48.33	47.05	45.66	45.43
G 95.0	33.31	34.37	37.37	39.28	38.11	32.78	34.97
G 97.5	24.84	25.56	29.82	31.67	29.99	24.64	25.02
G100.0	17.43	18.28	23.24	25.20	22.24	18.01	17.83
G102.5	12.38	13.09	16.96	18.46	16.63	13.25	12.17
G105.0	8.84	9.58	12.40	13.24	12.23	9.62	8.85
G107.5	6.60	7.47	9.25	9.74	9.26	7.26	6.87
G110.0	5.46	5.88	7.27	7.59	7.23	6.08	5.88
G112.5	4.82	5.01	6.13	6.34	6.02	5.27	5.27
G115.0	4.40	4.59	5.39	5.82	5.40	4.80	4.65
G117.5	3.98	4.25	5.02	5.40	5.03	4.32	4.12
G120.0	3.56	3.88	4.65	5.00	4.65	3.92	3.65
G122.5	3.22	3.46	4.26	4.64	4.30	3.59	3.32
G125.0	2.91	3.09	3.90	4.23	3.93	3.28	3.02
G127.5	2.60	2.81	3.55	3.89	3.60	2.97	2.76
G130.0	2.36	2.59	3.24	3.51	3.31	2.69	2.58
G132.5	2.23	2.38	2.95	3.17	3.01	2.48	2.38
G135.0	2.07	2.18	2.68	2.88	2.72	2.29	2.17
G137.5	1.91	2.02	2.44	2.61	2.48	2.12	1.99
G140.0	1.75	1.85	2.20	2.35	2.25	1.91	1.85
G142.5	1.64	1.71	1.99	2.13	2.03	1.76	1.71
G145.0	1.55	1.59	1.81	1.92	1.83	1.62	1.58
G147.5	1.47	1.47	1.64	1.73	1.65	1.49	1.49
G150.0	1.40	1.37	1.49	1.57	1.52	1.39	1.37
G152.5	1.30	1.27	1.37	1.42	1.39	1.29	1.28
G155.0	1.22	1.21	1.26	1.30	1.28	1.21	1.20
G157.5	1.12	1.11	1.16	1.20	1.17	1.13	1.12
G160.0	1.06	1.05	1.07	1.10	1.09	1.07	1.08
G162.5	1.00	0.99	1.01	1.03	1.02	1.02	1.03
G165.0	0.95	0.95	0.95	0.96	0.96	0.97	0.99
G167.5	0.91	0.92	0.91	0.91	0.93	0.93	0.95
G170.0	0.87	0.87	0.87	0.87	0.88	0.89	0.91
G172.5	0.84	0.82	0.84	0.85	0.86	0.86	0.86
G175.0	0.79	0.80	0.81	0.80	0.82	0.82	0.83
G177.5	0.79	0.79	0.78	0.79	0.80	0.80	0.81
G180.0	0.78	0.78	0.78	0.78	0.78	0.78	0.78

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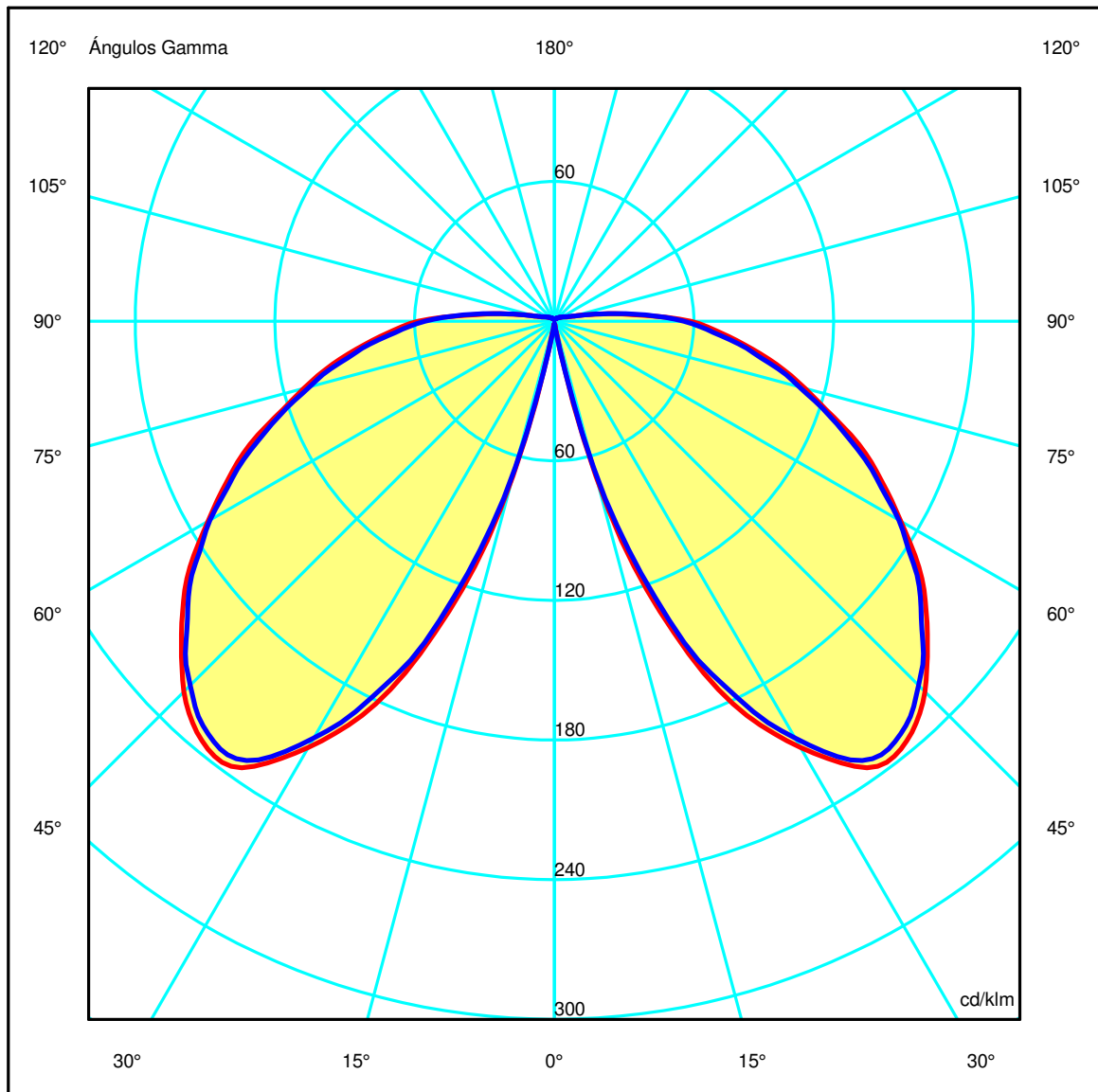
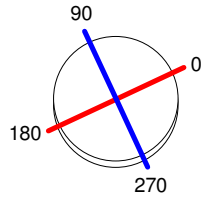
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Diam=160mm

Semiplanos C

180.0 ——— 0.0
270.0 ——— 90.0



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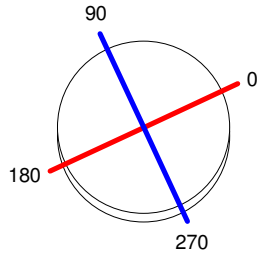
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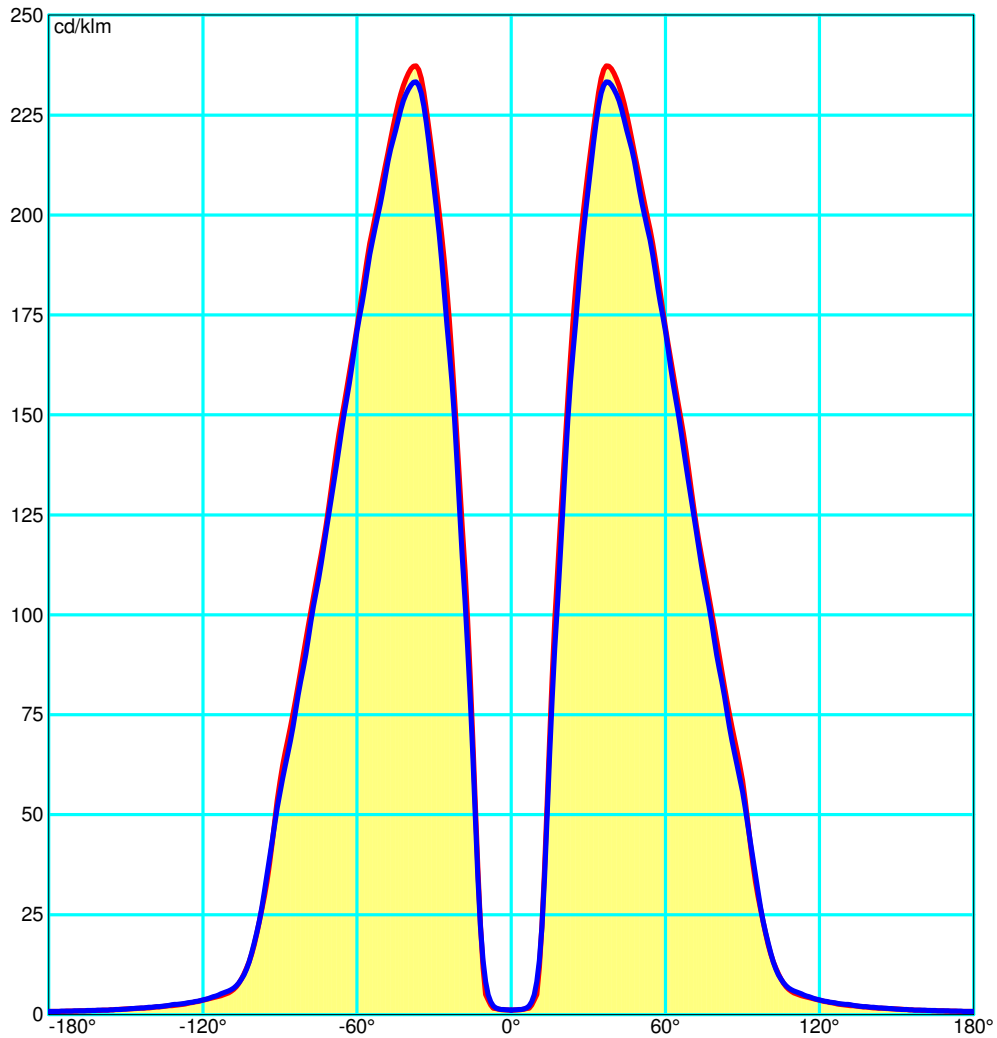
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UGR
S = 0.250

Reflectancias										
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	23.4	24.9	23.8	25.3	25.7	23.3	24.9	23.8	25.2	25.6
x=2H y=3H	25.7	27.1	26.2	27.5	27.9	25.6	27.0	26.1	27.4	27.8
x=2H y=4H	26.9	28.2	27.3	28.6	29.0	26.7	28.0	27.2	28.5	28.9
x=2H y=6H	28.1	29.3	28.6	29.7	30.2	28.0	29.2	28.4	29.6	30.1
x=2H y=8H	28.7	29.9	29.2	30.3	30.8	28.6	29.8	29.1	30.2	30.7
x=2H y=12H	29.5	30.6	30.0	31.1	31.5	29.3	30.4	29.8	30.9	31.4
x=4H y=2H	24.4	25.7	24.8	26.1	26.5	24.3	25.6	24.7	26.0	26.4
x=4H y=3H	26.8	27.9	27.3	28.4	28.9	26.7	27.9	27.2	28.3	28.8
x=4H y=4H	28.1	29.2	28.6	29.6	30.1	28.0	29.1	28.5	29.5	30.0
x=4H y=6H	29.5	30.4	30.1	30.9	31.5	29.4	30.3	30.0	30.8	31.4
x=4H y=8H	30.3	31.1	30.8	31.7	32.2	30.2	31.0	30.7	31.5	32.1
x=4H y=12H	31.1	31.9	31.7	32.4	33.0	31.0	31.7	31.5	32.3	32.9
x=8H y=4H	28.8	29.6	29.3	30.1	30.7	28.7	29.5	29.2	30.0	30.6
x=8H y=6H	30.4	31.1	31.0	31.7	32.3	30.3	31.0	30.9	31.6	32.2
x=8H y=8H	31.3	32.0	31.9	32.5	33.1	31.2	31.8	31.8	32.4	33.0
x=8H y=12H	32.4	32.9	33.0	33.5	34.2	32.2	32.8	32.8	33.4	34.0
x=12H y=4H	28.9	29.6	29.4	30.2	30.8	28.8	29.6	29.4	30.1	30.7
x=12H y=6H	30.6	31.3	31.2	31.8	32.5	30.6	31.2	31.1	31.7	32.4
x=12H y=8H	31.7	32.2	32.3	32.8	33.5	31.6	32.1	32.2	32.7	33.3

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Flujo de Lámpara	1071.26 lm	Valor Máximo	237.34 cd/klm	Posición	C=0.00 G=37.50	CG	Bisimétrico

Flujo Total=1071.26 Flujo Luminaria=1071.26

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	0.17	0.25	0.32	0.39	0.45	0.54	0.61	0.66	0.72	0.76	0.86	0.92
RC	9	8	8	8	8	8	7	7	7	7	7	7

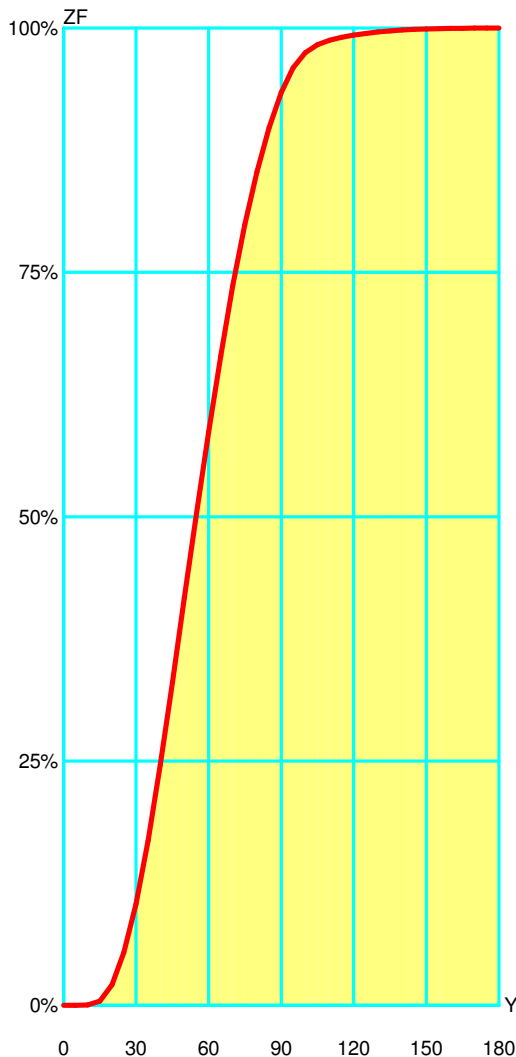
Flujo Zonal por 1000 Lúmenes

Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	0	21	103	246	417	587	736	853	934	975	988	993	996	998	999	1000	1000	1000

Códigos de Flujo C.I.E.

29 63 86 93 100

C.I.E.	9/8/8/8/8/7/7/7/7/7/7	LOR	100.00000 %
D DIN 5040	A11	ULOR	6.58664 %
F UTE	0.93 H + 0.07 T	DLOR	93.41336 %
B NBN	BZ 7 / 1.25 / BZ 6	UFF	6.58664 %
RN	6.58664 %	DFF	93.41336 %
BLF	1.0	FFR	7.05107 %



Gamma °	Flujo Zonal			
	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00%
5°	0.03	0.03	0.00%	0.00%
10°	0.24	0.27	0.02%	0.03%
15°	3.91	4.18	0.39%	0.42%
20°	16.79	20.97	1.68%	2.10%
25°	33.07	54.05	3.31%	5.40%
30°	49.38	103.43	4.94%	10.34%
35°	65.30	168.73	6.53%	16.87%
40°	77.72	246.45	7.77%	24.65%
45°	84.05	330.50	8.40%	33.05%
50°	86.50	416.99	8.65%	41.70%
55°	86.20	503.19	8.62%	50.32%
60°	83.35	586.54	8.33%	58.65%
65°	78.17	664.71	7.82%	66.47%
70°	71.19	735.90	7.12%	73.59%
75°	62.90	798.79	6.29%	79.88%
80°	54.17	852.97	5.42%	85.30%
85°	45.20	898.16	4.52%	89.82%
90°	35.97	934.13	3.60%	93.41%
95°	25.43	959.57	2.54%	95.96%
100°	15.27	974.83	1.53%	97.48%
105°	8.30	983.13	0.83%	98.31%
110°	4.47	987.60	0.45%	98.76%
115°	2.91	990.51	0.29%	99.05%
120°	2.28	992.79	0.23%	99.28%
125°	1.81	994.60	0.18%	99.46%
130°	1.42	996.02	0.14%	99.60%
135°	1.10	997.12	0.11%	99.71%
140°	0.84	997.96	0.08%	99.80%
145°	0.63	998.59	0.06%	99.86%
150°	0.47	999.06	0.05%	99.91%
155°	0.34	999.40	0.03%	99.94%
160°	0.24	999.64	0.02%	99.96%
165°	0.17	999.81	0.02%	99.98%
170°	0.11	999.92	0.01%	99.99%
175°	0.06	999.98	0.01%	100.00%
180°	0.02	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	278	250	241	217	238	207	157	133	139	119	93	70	60	41	111	75	67	49	39	63	41	36	25			
0.80	318	292	260	240	278	229	189	166	158	139	108	86	70	51	130	90	81	59	49	77	51	44	29			
1.00	345	321	268	251	306	240	215	192	170	153	118	97	78	60	143	101	92	67	57	88	59	52	33			
1.25	368	347	269	255	330	245	240	218	179	163	127	108	86	69	154	111	103	76	66	98	67	61	37			
1.50	384	365	268	256	347	246	261	240	184	170	134	117	93	77	161	118	111	83	74	106	75	68	40			
2.00	403	388	259	251	370	242	291	272	188	177	143	128	104	90	168	129	122	95	86	117	87	80	44			
2.50	415	402	251	245	384	237	312	295	189	180	148	136	113	100	172	136	130	104	96	125	96	90	47			
3.00	423	412	244	239	394	232	328	313	189	182	152	141	119	107	174	141	136	111	104	131	103	97	49			
4.00	434	425	234	230	406	224	350	338	189	183	157	149	129	119	176	147	143	121	115	138	114	108	53			
5.00	440	432	226	223	414	218	365	354	188	184	160	153	135	126	177	151	148	128	123	143	122	116	55			
10.00	451	447	207	205	429	202	399	393	184	182	167	163	150	145	176	160	158	145	142	154	140	135	60			
20.00	455	453	193	193	435	190	418	414	180	179	170	168	160	157	174	164	163	155	153	160	151	147	63			

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	513	498	466	454	490	448	386	375	361	352	303	294	261	254	348	295	292	256	253	290	254	251	233
0.80	589	573	522	511	562	503	457	445	419	410	360	350	315	307	403	350	346	309	305	343	305	302	280
1.00	645	630	562	551	615	541	513	499	463	453	404	393	358	350	444	393	388	352	347	384	347	343	318
1.25	698	683	596	586	665	576	568	554	503	494	446	436	401	392	483	434	430	394	389	424	387	383	354
1.50	738	724	621	613	704	602	611	598	534	526	481	470	437	427	513	467	463	428	423	456	421	415	384
2.00	792	780	652	646	756	634	674	660	576	568	528	518	487	477	554	512	509	476	471	500	468	461	426
2.50	830	820	674	669	794	657	720	707	606	600	562	554	525	516	584	546	543	513	508	533	504	495	458
3.00	860	851	691	687	823	675	755	744	629	624	590	582	555	546	607	573	570	542	538	559	532	522	483
4.00	907	899	722	719	870	707	812	802	669	664	635	628	604	596	647	617	614	590	586	602	578	567	525
5.00	944	937	748	745	906	733	856	847	700	697	670	664	643	636	678	652	650	628	624	636	615	603	558
10.00	1000	1000	831	830	1000	818	983	977	798	796	779	775	760	755	777	760	758	743	741	742	728	713	664
20.00	1000	1000	915	914	1000	903	1000	1000	891	890	879	877	867	864	870	860	859	849	848	841	832	816	764

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	483	467	451	438	457	429	330	319	318	309	243	234	189	182	302	234	231	184	181	228	181	178	158
0.80	592	574	546	532	559	520	430	416	410	399	331	319	271	263	389	318	314	264	260	309	259	255	234
1.00	678	659	618	605	640	590	511	496	484	472	404	391	343	332	459	389	384	333	328	377	327	321	299
1.25	761	742	686	674	718	657	595	578	557	545	479	465	417	405	528	461	455	406	400	447	397	390	367
1.50	824	806	736	725	778	707	660	643	613	602	538	524	477	465	582	518	512	464	457	501	453	444	422
2.00	916	901	807	798	867	779	761	743	697	687	630	616	572	559	663	605	600	556	549	586	542	530	508
2.50	978	964	853	846	926	825	830	814	753	744	692	679	639	625	718	666	661	620	613	644	604	590	568
3.00	1000	1000	885	879	968	858	882	866	794	786	738	726	688	675	757	710	705	667	661	686	649	633	612
4.00	1000	1000	926	921	1000	900	951	937	847	840	799	789	756	744	809	769	765	732	726	743	711	692	672
5.00	1000	1000	951	947	1000	926	996	984	880	875	838	830	800	789	843	807	804	775	769	779	752	731	711
10.00	1000	1000	1000	1000	1000	983	1000	1000	955	952	929	924	904	897	917	895	893	874	870	864	846	820	801
20.00	1000	1000	1000	1000	1000	1000	1000	1000	999	997	983	981	968	964	961	948	947	936	933	915	905	876	858

LM53 SHR C0-C180: 10.791 SHR C90-C270: 10.534 SHR Superficial: 1.790

LEDS C4⁺

Luminaria

Código 55-E056-DC-CL
Nombre ROW

Ensayo

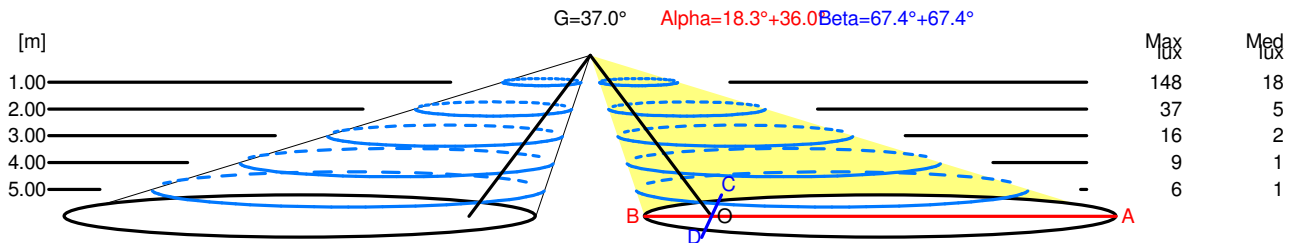
Código 55-E056-DC-CL
Nombre ROW

Flujo Luminaria	1071.26 lm	Potencia luminaria	19.30 W	Eficacia	55.51 lm/W	Eficiencia	100.00%
Flujo de Lámpara	1071.26 lm	Valor Máximo	237.34 cd/klm	Posición	C=0.00 G=37.50	CG	Bisimétrico

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	2.52	5.03	7.55	10.06	12.58	OC	3.01	6.01	9.02	12.03	15.03
OB	0.42	0.83	1.25	1.66	2.08	OD	3.01	6.01	9.02	12.03	15.03

	Intensidades Luminosas [cd/klm]									
	0	5	15	25	35	45	55	65	75	85
OA	1.19	1.47	73.76	194.34	250.88	241.07	206.56	163.58	119.46	80.44
OB	1.19	1.47	73.76	194.34	250.88	241.07	206.56	163.58	119.46	80.44
OC	1.19	1.50	69.61	185.04	246.88	236.93	203.72	161.01	116.63	77.03
OD	1.19	1.50	69.61	185.04	246.88	236.93	203.72	161.01	116.63	77.03



H[m]	D[m]	Max lux	Med lux	Alpha=18.3°+36.0°	G=37.0	
1.00	2.93	148	18			
2.00	5.86	37	5			
3.00	8.79	16	2			
4.00	11.72	9	1			
5.00	14.65	6	1			

H[m]	D[m]	Max lux	Med lux	Beta=67.4°+67.4°	G=0.0	
1.00	6.01	148	18			
2.00	12.03	37	5			
3.00	18.04	16	2			
4.00	24.05	9	1			
5.00	30.06	6	1			

LEDS C4[®]

Luminaria

Código 55-E056-DC-CL
Nombre ROW

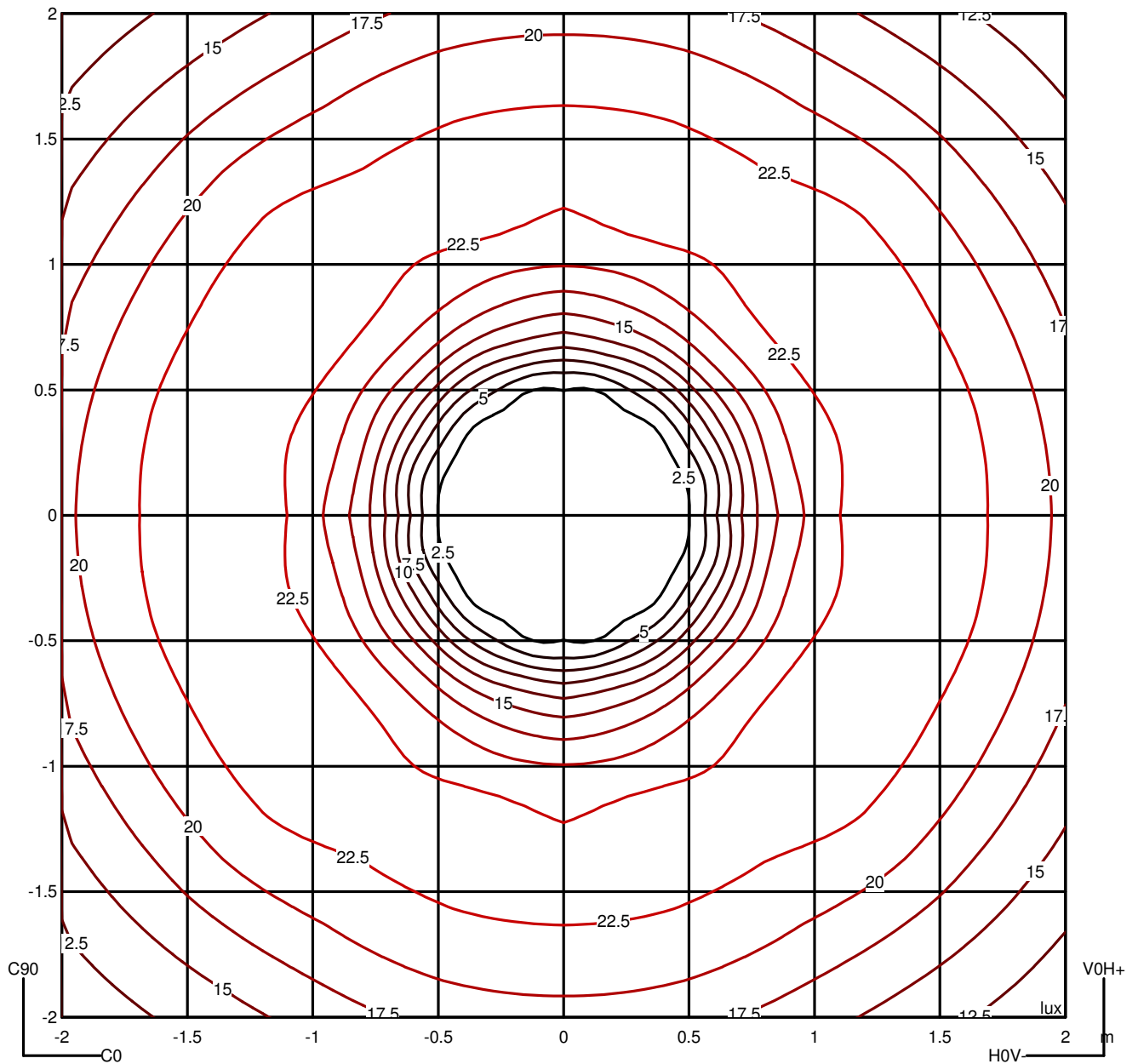
Ensayo

Código 55-E056-DC-CL
Nombre ROW

Flujo Luminaria	1071.26 lm	Potencia luminaria	19.30 W	Eficacia	55.51 lm/W	Eficiencia	100.00%
Flujo de Lámpara	1071.26 lm	Valor Máximo	237.34 cd/klm	Posición	C=0.00 G=37.50	CG	Bisimétrico

Isolux (Suelo)

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



LEDS C4[®]

Luminaria

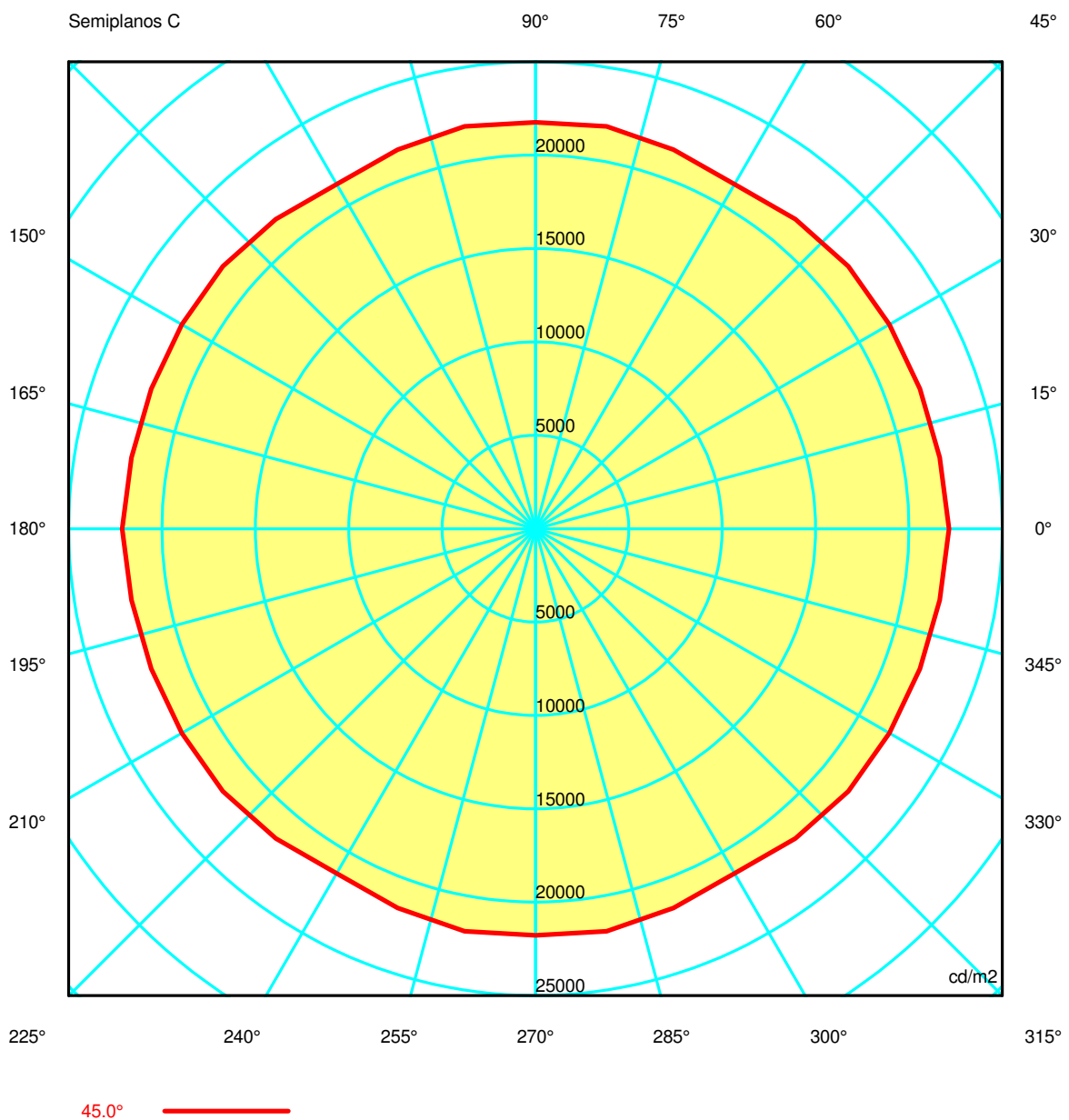
Código 55-E056-DC-CL
Nombre ROW

Ensayo

Código 55-E056-DC-CL
Nombre ROW

Flujo Luminaria	1071.26 lm	Potencia luminaria	19.30 W	Eficacia	55.51 lm/W	Eficiencia	100.00%
Flujo de Lámpara	1071.26 lm	Valor Máximo	237.34 cd/klm	Posición	C=0.00 G=37.50	CG	Bisimétrico

Luminancia



Luminaria

Código 55-E056-DC-CL

Nombre ROW

Ensayo

Código 55-E056-DC-CL

Nombre ROW

Flujo Luminaria	1071.26 lm	Potencia luminaria	19.30 W	Eficacia	55.51 lm/W	Eficiencia	100.00%
Flujo de Lámpara	1071.26 lm	Valor Máximo	237.34 cd/klm	Posición	C=0.00 G=37.50	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	77.51	77.51	77.51	77.51	77.51	77.51	77.51	77.51	77.51	77.51	77.51	77.51	77.51
G 5.0	95.81	91.08	91.69	95.03	93.97	94.22	96.66	96.15	95.91	97.66	95.91	96.15	96.66
G 10.0	352.66	437.15	539.06	560.97	418.53	505.66	687.06	448.58	335.01	579.09	335.01	448.58	687.06
G 15.0	4960.51	4504.47	4440.83	4645.25	4603.38	4541.77	4574.61	4778.50	4843.21	4681.34	4843.21	4778.50	4574.61
G 20.0	9827.68	10068.07	10084.57	9980.76	10045.69	10027.98	9833.88	9633.84	9469.23	9330.23	9469.23	9633.84	9833.88
G 25.0	13929.51	13722.05	13724.52	13890.44	13949.27	13762.57	13543.01	13624.82	13586.94	13263.17	13586.94	13624.82	13543.01
G 30.0	16993.16	16989.15	16988.07	16989.69	16989.66	16887.26	16736.84	16700.86	16680.12	16613.64	16680.12	16700.86	16736.84
G 35.0	19895.56	19865.21	19783.80	19716.38	19792.89	19661.46	19292.95	19487.72	19639.71	19578.14	19639.71	19487.72	19292.95
G 40.0	21385.62	21298.37	21191.00	21135.82	21138.38	20988.61	20704.62	20874.13	21009.07	21023.42	21009.07	20874.13	20704.62
G 45.0	22146.88	21972.73	21898.92	21880.02	21857.33	21639.73	21302.96	21610.26	21876.48	21766.96	21876.48	21610.26	21302.96
G 50.0	22644.18	22620.32	22551.65	22460.92	22430.56	22247.39	21943.37	22131.06	22287.04	22315.91	22287.04	22131.06	21943.37
G 55.0	23394.19	23173.34	23096.59	23090.65	23069.90	22897.79	22636.48	22876.12	23047.43	23073.15	23047.43	22876.12	22636.48
G 60.0	23908.96	24004.01	23936.73	23801.79	23822.58	23736.95	23536.30	23508.86	23621.01	23786.67	23621.01	23508.86	23536.30
G 65.0	25144.10	25024.69	24971.88	24957.04	24948.78	24794.96	24509.00	24622.16	24732.19	24749.52	24732.19	24622.16	24509.00
G 70.0	26783.37	26690.02	26658.69	26658.85	26680.01	26529.86	26298.59	26292.99	26291.23	26293.31	26291.23	26292.99	26298.59
G 75.0	29983.56	29861.92	29823.69	29887.82	29976.69	29891.30	29627.19	29383.15	29295.03	29272.91	29295.03	29383.15	29627.19
G 80.0	37478.45	37144.09	37037.10	37224.27	37481.33	37107.45	36470.00	36617.88	36627.18	36063.75	36627.18	36617.88	36470.00
G 85.0	59953.47	60734.70	60762.46	60288.49	60171.94	59761.03	58848.71	58002.01	57538.31	57412.92	57538.31	58002.01	58848.71
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 55-E056-DC-CL

Nombre ROW

Ensayo

Código 55-E056-DC-CL

Nombre ROW

Flujo Luminaria	1071.26 lm	Potencia luminaria	19.30 W	Eficacia	55.51 lm/W	Eficiencia	100.00%
Flujo de Lámpara	1071.26 lm	Valor Máximo	237.34 cd/klm	Posición	C=0.00 G=37.50	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	77.51	77.51	77.51	77.51	77.51	77.51	77.51	77.51	77.51	77.51	77.51	77.51	77.51
G 5.0	94.22	93.97	95.03	91.69	91.08	95.81	91.08	91.69	95.03	93.97	94.22	96.66	96.15
G 10.0	505.66	418.53	560.97	539.06	437.15	352.66	437.15	539.06	560.97	418.53	505.66	687.06	448.58
G 15.0	4541.77	4603.38	4645.25	4440.83	4504.47	4960.51	4504.47	4440.83	4645.25	4603.38	4541.77	4574.61	4778.50
G 20.0	10027.98	10045.69	9980.76	10084.57	10068.07	9827.68	10068.07	10084.57	9980.76	10045.69	10027.98	9833.88	9633.84
G 25.0	13762.57	13949.27	13890.44	13724.52	13722.05	13929.51	13722.05	13724.52	13890.44	13949.27	13762.57	13543.01	13624.82
G 30.0	16887.26	16989.66	16989.69	16988.07	16989.15	16993.16	16989.15	16988.07	16989.69	16989.66	16887.26	16736.84	16700.86
G 35.0	19661.46	19792.89	19716.38	19783.80	19865.21	19895.56	19865.21	19783.80	19716.38	19792.89	19661.46	19292.95	19487.72
G 40.0	20988.61	21138.38	21135.82	21191.00	21298.37	21385.62	21298.37	21191.00	21135.82	21138.38	20988.61	20704.62	20874.13
G 45.0	21639.73	21857.33	21880.02	21898.92	21972.73	22146.88	21972.73	21898.92	21880.02	21857.33	21639.73	21302.96	21610.26
G 50.0	22247.39	22430.56	22460.92	22551.65	22620.32	22644.18	22620.32	22551.65	22460.92	22430.56	22247.39	21943.37	22131.06
G 55.0	22897.79	23069.90	23090.65	23096.59	23173.34	23394.19	23173.34	23096.59	23090.65	23069.90	22897.79	22636.48	22876.12
G 60.0	23736.95	23822.58	23801.79	23936.73	24004.01	23908.96	24004.01	23936.73	23801.79	23822.58	23736.95	23536.30	23508.86
G 65.0	24794.96	24948.78	24957.04	24971.88	25024.69	25144.10	25024.69	24971.88	24957.04	24948.78	24794.96	24509.00	24622.16
G 70.0	26529.86	26680.01	26658.85	26658.69	26690.02	26783.37	26690.02	26658.69	26658.85	26680.01	26529.86	26298.59	26292.99
G 75.0	29891.30	29976.69	29887.82	29823.69	29861.92	29983.56	29861.92	29823.69	29887.82	29976.69	29891.30	29627.19	29383.15
G 80.0	37107.45	37481.33	37224.27	37037.10	37144.09	37478.45	37144.09	37037.10	37224.27	37481.33	37107.45	36470.00	36617.88
G 85.0	59761.03	60171.94	60288.49	60762.46	60734.70	59953.47	60734.70	60762.46	60288.49	60171.94	59761.03	58848.71	58002.01
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 55-E056-DC-CL

Nombre ROW

Ensayo

Código 55-E056-DC-CL

Nombre ROW

Flujo Luminaria	1071.26 lm	Potencia luminaria	19.30 W	Eficacia	55.51 lm/W	Eficiencia	100.00%
Flujo de Lámpara	1071.26 lm	Valor Máximo	237.34 cd/klm	Posición	C=0.00 G=37.50	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	77.51	77.51	77.51	77.51	77.51	77.51	77.51	77.51	77.51	77.51
G 5.0	95.91	97.66	95.91	96.15	96.66	94.22	93.97	95.03	91.69	91.08
G 10.0	335.01	579.09	335.01	448.58	687.06	505.66	418.53	560.97	539.06	437.15
G 15.0	4843.21	4681.34	4843.21	4778.50	4574.61	4541.77	4603.38	4645.25	4440.83	4504.47
G 20.0	9469.23	9330.23	9469.23	9633.84	9833.88	10027.98	10045.69	9980.76	10084.57	10068.07
G 25.0	13586.94	13263.17	13586.94	13624.82	13543.01	13762.57	13949.27	13890.44	13724.52	13722.05
G 30.0	16680.12	16613.64	16680.12	16700.86	16736.84	16887.26	16989.66	16989.69	16988.07	16989.15
G 35.0	19639.71	19578.14	19639.71	19487.72	19292.95	19661.46	19792.89	19716.38	19783.80	19865.21
G 40.0	21009.07	21023.42	21009.07	20874.13	20704.62	20988.61	21138.38	21135.82	21191.00	21298.37
G 45.0	21876.48	21766.96	21876.48	21610.26	21302.96	21639.73	21857.33	21880.02	21898.92	21972.73
G 50.0	22287.04	22315.91	22287.04	22131.06	21943.37	22247.39	22430.56	22460.92	22551.65	22620.32
G 55.0	23047.43	23073.15	23047.43	22876.12	22636.48	22897.79	23069.90	23090.65	23096.59	23173.34
G 60.0	23621.01	23786.67	23621.01	23508.86	23536.30	23736.95	23822.58	23801.79	23936.73	24004.01
G 65.0	24732.19	24749.52	24732.19	24622.16	24509.00	24794.96	24948.78	24957.04	24971.88	25024.69
G 70.0	26291.23	26293.31	26291.23	26292.99	26298.59	26529.86	26680.01	26658.85	26658.69	26690.02
G 75.0	29295.03	29272.91	29295.03	29383.15	29627.19	29891.30	29976.69	29887.82	29823.69	29861.92
G 80.0	36627.18	36063.75	36627.18	36617.88	36470.00	37107.45	37481.33	37224.27	37037.10	37144.09
G 85.0	57538.31	57412.92	57538.31	58002.01	58848.71	59761.03	60171.94	60288.49	60762.46	60734.70
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00