

# LEDS C4<sup>+</sup>

## Luminaria

Código 10-A002-08-08\_3000K

Nombre LEVELS

## Ensayo

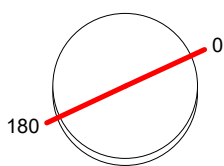
Código 10-A002-08-08\_3000K

Nombre LEVELS

Flujo Luminaria	971 lm	Potencia Luminaria	14.7 W	Eficacia	66.054 lm/W	Eficiencia	100.00%
Flujo Fuente	971 lm	Valor Máximo	369.30 cd/klm	Posición	C=0.00 G=13.00	CG	Rotosimétrico
Luminaria Redonda		Diam.	215 mm	Altura	215 mm		
Área Luminosa Redonda		Diam.	115 mm	Altura	0 mm		
Área Luminosa Horizontal		0.010387 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°		0.002513 m2	
Sist. de Coorden.		CG		Tipo de Simetría		Rotosimétrico	
Fecha		16-09-2022		Máximo Ángulo Gamma		90	
Distancia de Ensayo		0.00		Flujo de Ensayo		611 lm	
Operador		qualitat		Tensión Nominal			
Temperatura				Corriente Nominal			
Humedad				Fotocélula			
Notas							

Fuentes de luz de la Luminaria						
Familia	Código LED	Nombre LED	Flujo [lm]	Pot. [W]	Cant.	
C.I.E.	46 75 92 100 100		971.00	14.70	1	
F UTE	1.00 E					
		D DIN 5040 B NBN	A30 BZ 5			

Diam=215mm



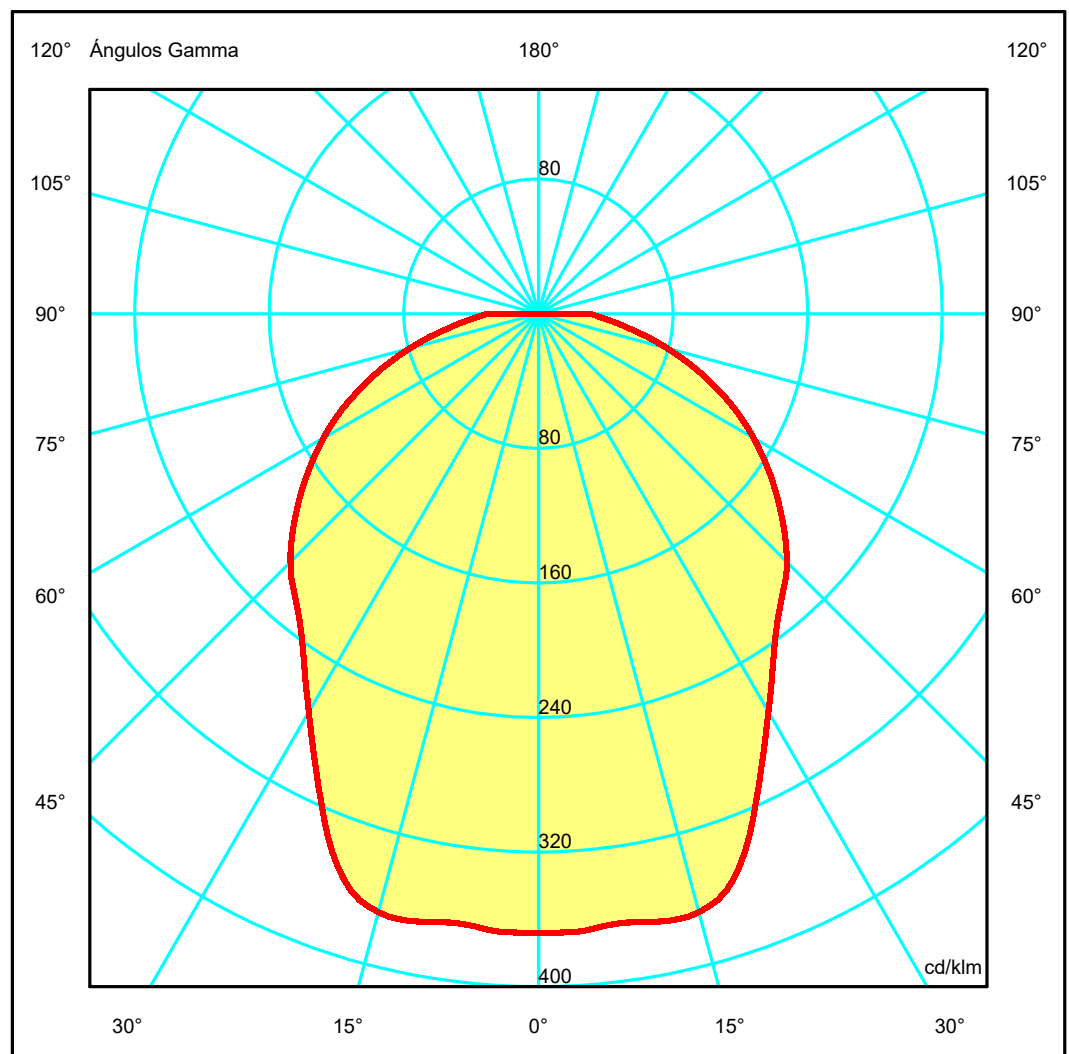
Semiplanos C

180.0 — 0.0

ULOR 0.00 %

DLOR100.00 %

RN 0.00 %



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Flujo Fuente	971 lm	Valor Máximo	369.30 cd/klm	Posición	C=0.00 G=13.00	CG	Rotosimétrico

Tabla de Intensidad Luminosa cd/klm

Tabla 1/1

	C 0.00	C 0.00
G 0.0	367.82	G 46.0 204.96
G 1.0	367.92	G 47.0 201.15
G 2.0	368.04	G 48.0 197.12
G 3.0	368.11	G 49.0 193.03
G 4.0	367.81	G 50.0 189.00
G 5.0	367.01	G 51.0 184.93
G 6.0	366.04	G 52.0 180.83
G 7.0	365.48	G 53.0 176.70
G 8.0	365.37	G 54.0 172.61
G 9.0	366.09	G 55.0 168.52
G 10.0	366.96	G 56.0 164.34
G 11.0	368.03	G 57.0 160.11
G 12.0	368.89	G 58.0 155.94
G 13.0	369.30	G 59.0 151.88
G 14.0	369.27	G 60.0 147.68
G 15.0	368.20	G 61.0 143.30
G 16.0	366.58	G 62.0 138.94
G 17.0	364.18	G 63.0 134.56
G 18.0	360.63	G 64.0 130.13
G 19.0	355.61	G 65.0 125.54
G 20.0	349.42	G 66.0 120.88
G 21.0	342.30	G 67.0 116.21
G 22.0	334.54	G 68.0 111.61
G 23.0	326.30	G 69.0 107.00
G 24.0	317.78	G 70.0 102.29
G 25.0	309.55	G 71.0 97.59
G 26.0	301.55	G 72.0 92.93
G 27.0	294.05	G 73.0 88.41
G 28.0	286.81	G 74.0 83.86
G 29.0	279.89	G 75.0 79.29
G 30.0	273.24	G 76.0 74.79
G 31.0	266.92	G 77.0 70.40
G 32.0	260.93	G 78.0 66.10
G 33.0	255.06	G 79.0 61.91
G 34.0	249.36	G 80.0 57.92
G 35.0	244.02	G 81.0 54.18
G 36.0	239.20	G 82.0 50.65
G 37.0	234.84	G 83.0 47.31
G 38.0	230.87	G 84.0 44.21
G 39.0	227.33	G 85.0 41.36
G 40.0	224.07	G 86.0 38.78
G 41.0	221.06	G 87.0 36.45
G 42.0	218.15	G 88.0 34.34
G 43.0	215.28	G 89.0 32.46
G 44.0	212.11	G 90.0 30.78
G 45.0	208.61	

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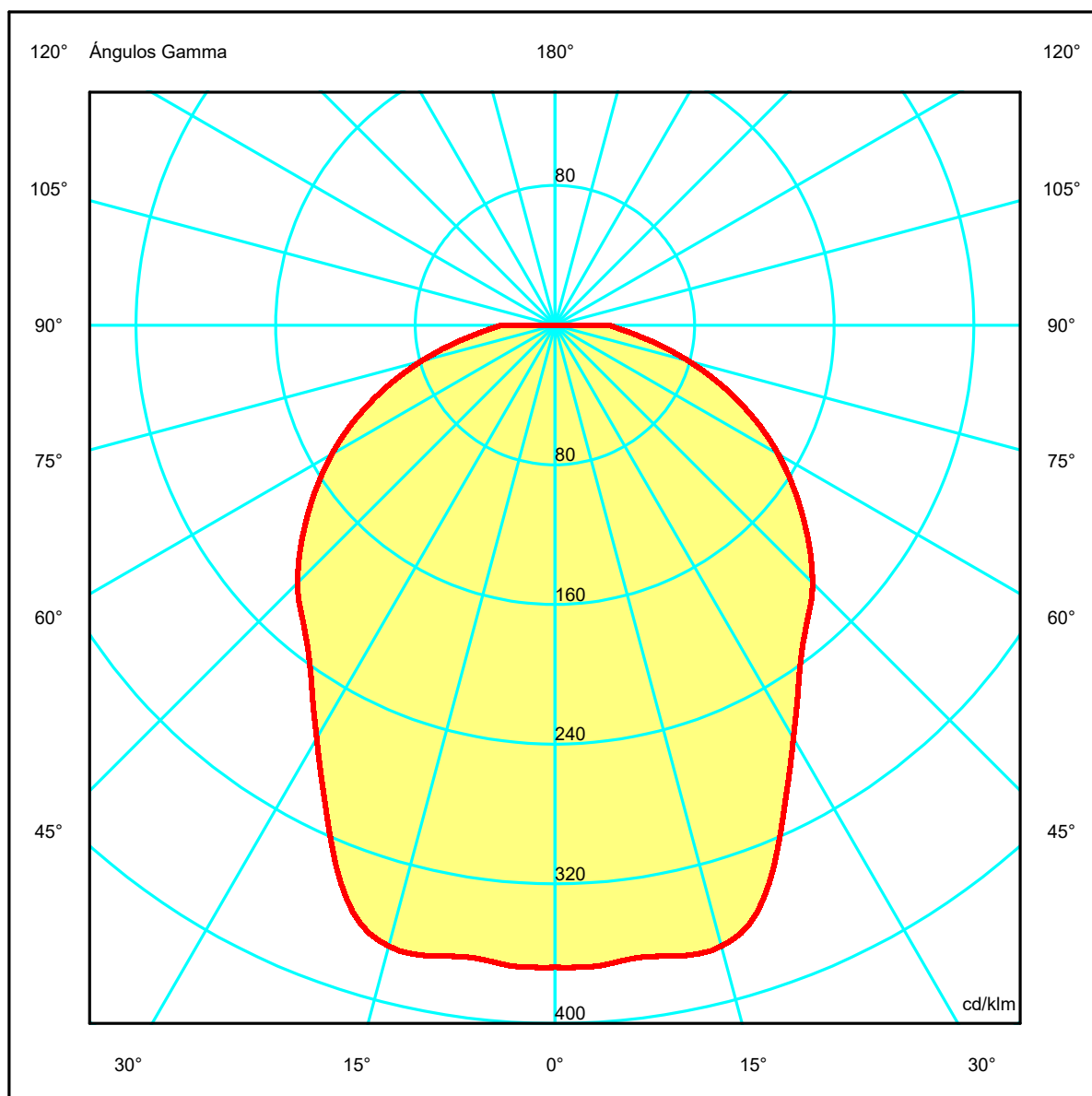
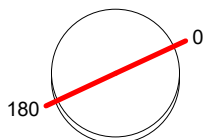
Nombre LEVELS

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Diam=215mm

Semiplanos C

180.0 ————— 0.0



# LEDS C4<sup>2</sup>

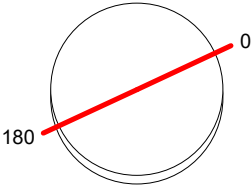
**Luminaria**

Código 10-A002-08-08\_3000K  
Nombre LEVELS  
**Ensayo**  
Código 10-A002-08-08\_3000K  
Nombre LEVELS

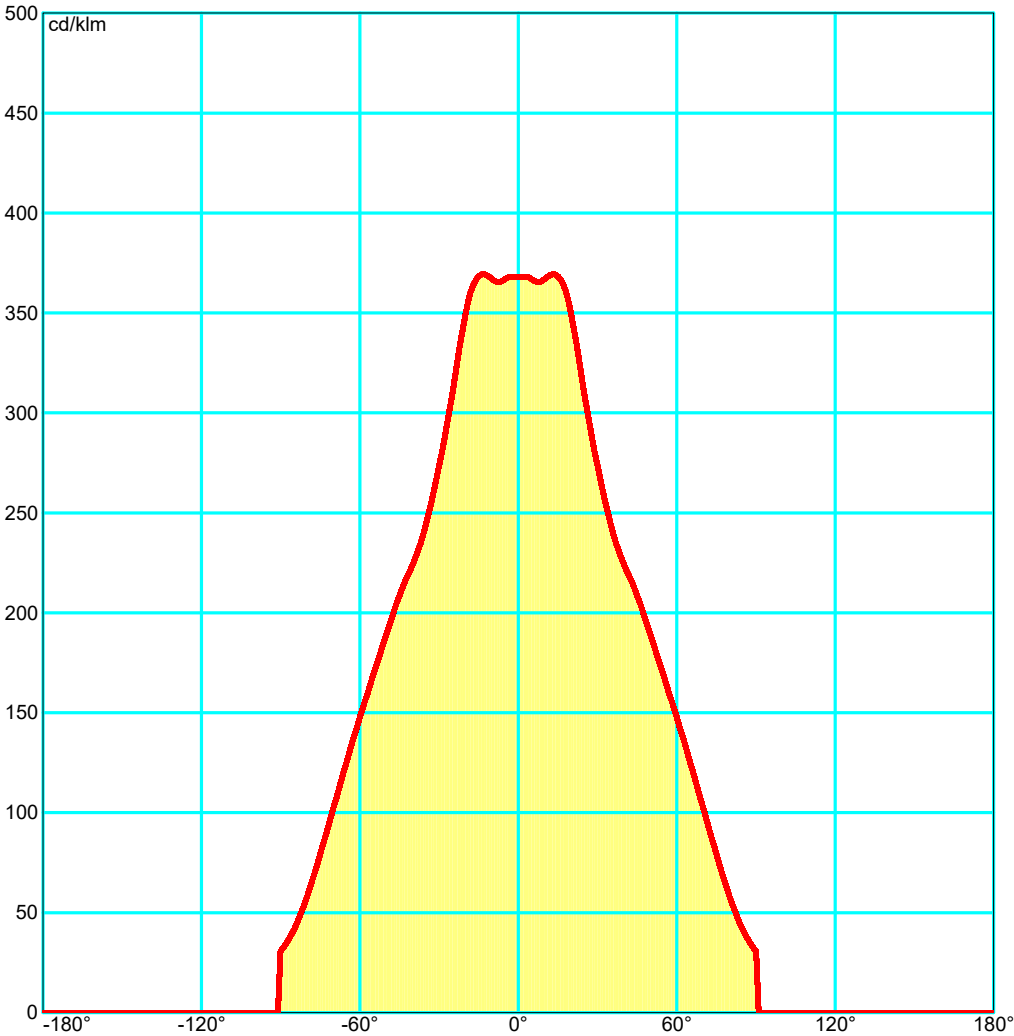
Flujo Luminaria	971 lm	Potencia Luminaria	14.7 W	Eficacia	66.054 lm/W	Eficiencia	100.00%
Flujo Fuente	971 lm	Valor Máximo	369.30 cd/klm	Posición	C=0.00 G=13.00	CG	Rotosimétrico

Diam=215mm

Semiplanos C



180.0 0.0



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Nombre LEVELS

## Ensayo

Código 10-A002-08-08\_3000K

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Flujo Fuente	971 lm	Valor Máximo	369.30 cd/klm	Posición	C=0.00 G=13.00	CG	Rotosimétrico

**UGR**  
S = 0.250

Reflectancias										
Techo/Cavidad	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Paredes	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
PDT	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Dimensiones del Local										
Mista Lateral						Vista Longitudinal				
x=2H y=2H	24.0	25.3	24.3	25.6	25.8	24.0	25.3	24.3	25.6	25.8
x=2H y=3H	25.8	27.1	26.2	27.4	27.6	25.8	27.1	26.2	27.4	27.6
x=2H y=4H	26.7	27.9	27.1	28.2	28.5	26.7	27.9	27.1	28.2	28.5
x=2H y=6H	27.5	28.6	27.9	28.9	29.2	27.5	28.6	27.9	28.9	29.2
x=2H y=8H	27.9	29.0	28.3	29.3	29.6	27.9	29.0	28.3	29.3	29.6
x=2H y=12H	28.3	29.3	28.7	29.6	30.0	28.3	29.3	28.7	29.6	30.0
x=4H y=2H	24.7	25.9	25.1	26.2	26.5	24.7	25.9	25.1	26.2	26.5
x=4H y=3H	26.8	27.8	27.2	28.2	28.5	26.8	27.8	27.2	28.2	28.5
x=4H y=4H	27.8	28.8	28.3	29.1	29.5	27.8	28.8	28.3	29.1	29.5
x=4H y=6H	28.8	29.6	29.2	30.0	30.4	28.8	29.6	29.2	30.0	30.4
x=4H y=8H	29.3	30.0	29.7	30.4	30.8	29.3	30.0	29.7	30.4	30.8
x=4H y=12H	29.8	30.5	30.2	30.9	31.3	29.8	30.5	30.2	30.9	31.3
x=8H y=4H	28.3	29.0	28.7	29.4	29.8	28.3	29.0	28.7	29.4	29.8
x=8H y=6H	29.5	30.1	29.9	30.5	31.0	29.5	30.1	29.9	30.5	31.0
x=8H y=8H	30.1	30.6	30.5	31.1	31.5	30.1	30.6	30.5	31.1	31.5
x=8H y=12H	30.8	31.2	31.2	31.7	32.2	30.8	31.2	31.2	31.7	32.2
x=12H y=4H	28.3	29.0	28.8	29.4	29.9	28.3	29.0	28.8	29.4	29.9
x=12H y=6H	29.6	30.1	30.1	30.6	31.1	29.6	30.1	30.1	30.6	31.1
x=12H y=8H	30.3	30.8	30.8	31.2	31.7	30.3	30.8	30.8	31.2	31.7

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Flujo Luminaria	971 lm	Potencia Luminaria	14.7 W	Eficacia	66.054 lm/W	Eficiencia	100.00%
Flujo Fuente	971 lm	Valor Máximo	369.30 cd/klm	Posición	C=0.00 G=13.00	CG Rotosimétrico	

Flujo Total=971.00 Flujo Luminaria=971.00

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	0.30	0.38	0.45	0.52	0.57	0.65	0.71	0.75	0.80	0.84	0.91	0.95
RC	5	5	5	5	5	6	6	6	6	6	6	6

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)	35	138	281	434	595	746	870	954	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

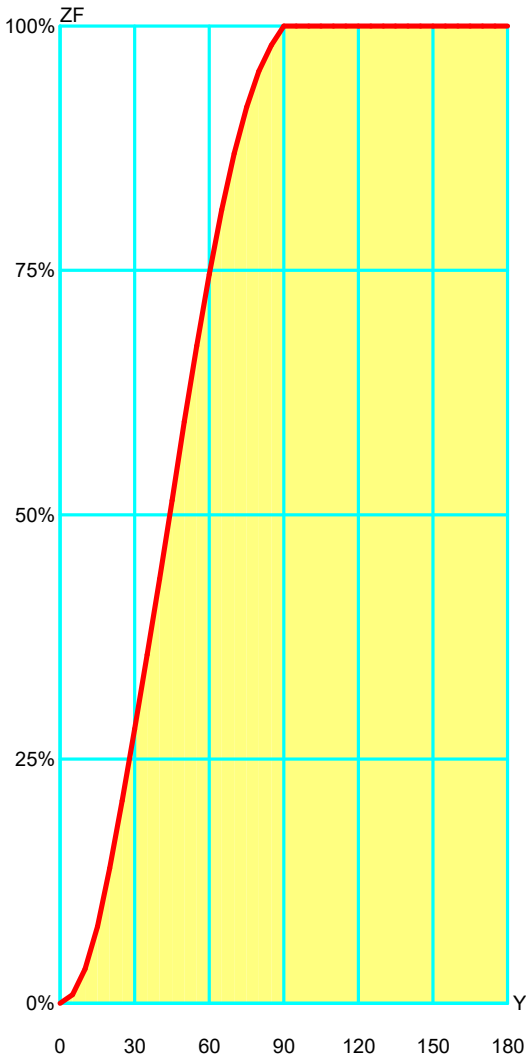
Códigos de Flujo C.I.E.

46 75 92 100 100

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

5/5/5/5/6/6/6/6/6/6  
A30  
1.00 E  
BZ 5  
0.00000 %  
1.0

LOR 100.00000 %  
ULOR 0.00000 %  
DLOR 100.00000 %  
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°	8.79	8.79	0.88 %	0.88 %
10°	26.19	34.98	2.62 %	3.50 %
15°	43.74	78.72	4.37 %	7.87 %
20°	59.46	138.18	5.95 %	13.82 %
25°	69.10	207.28	6.91 %	20.73 %
30°	73.46	280.74	7.35 %	28.07 %
35°	75.94	356.68	7.59 %	35.67 %
40°	77.77	434.46	7.78 %	43.45 %
45°	80.16	514.62	8.02 %	51.46 %
50°	80.38	595.00	8.04 %	59.50 %
55°	77.69	672.69	7.77 %	67.27 %
60°	73.03	745.72	7.30 %	74.57 %
65°	66.43	812.15	6.64 %	81.21 %
70°	57.66	869.81	5.77 %	86.98 %
75°	47.40	917.20	4.74 %	91.72 %
80°	36.56	953.77	3.66 %	95.38 %
85°	26.73	980.50	2.67 %	98.05 %
90°	19.50	1000.00	1.95 %	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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## Ensayo

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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	218	196	172	155	186	148	112	95	88	75	47	35	17	12	70	38	33	14	11	32	12	10	0			
0.80	254	233	185	171	221	163	141	123	101	89	57	45	23	17	83	47	43	20	16	40	17	15	0			
1.00	277	258	189	176	245	169	164	146	109	98	64	53	29	22	92	54	50	25	21	47	22	20	0			
1.25	298	281	187	178	267	171	188	170	114	104	70	60	36	28	98	61	57	31	27	54	28	25	0			
1.50	313	297	184	176	283	169	207	190	117	109	75	66	41	34	102	67	62	37	33	60	33	30	0			
2.00	331	318	174	169	303	163	235	220	119	112	82	73	51	43	106	74	70	46	42	67	42	39	0			
2.50	343	332	166	162	317	157	256	242	119	113	86	79	58	51	108	79	76	53	49	73	49	46	0			
3.00	351	341	159	156	326	152	271	259	118	114	89	83	63	57	108	82	79	59	55	76	55	52	0			
4.00	362	354	150	148	339	144	293	282	117	114	93	88	72	66	109	87	85	67	64	82	64	60	0			
5.00	368	362	144	143	347	139	308	298	117	114	96	92	77	72	110	91	89	73	70	86	69	66	0			
10.00	382	379	130	129	364	127	341	335	114	113	102	99	90	87	109	98	97	87	85	94	84	81	0			
20.00	389	387	120	120	372	118	359	356	111	111	105	104	98	97	108	102	101	95	94	99	93	90	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	471	459	413	404	452	400	356	349	322	317	270	266	233	231	314	266	265	231	231	264	231	230	210
0.80	534	521	456	447	512	441	417	407	368	362	316	311	277	274	358	311	309	275	273	307	273	272	249
1.00	577	565	481	474	553	467	461	451	399	393	348	343	309	306	387	342	340	307	305	338	305	303	277
1.25	617	605	503	496	590	489	504	493	427	421	379	373	341	337	414	372	370	338	336	367	335	333	303
1.50	647	635	517	512	619	504	537	526	448	442	403	397	366	362	434	395	392	362	360	389	359	356	324
2.00	680	671	529	524	651	516	580	569	469	464	430	424	397	392	455	421	419	392	389	414	387	384	348
2.50	702	694	535	531	672	523	609	599	483	479	448	443	418	413	469	439	437	412	409	431	407	403	364
3.00	717	709	537	535	687	527	630	620	491	488	460	455	433	428	477	450	448	426	424	442	421	416	375
4.00	744	737	548	546	712	538	665	657	509	506	483	479	460	456	496	473	471	452	450	464	445	439	396
5.00	763	758	558	556	732	548	691	684	524	521	501	498	481	477	510	490	489	472	470	481	465	458	412
10.00	814	810	584	584	781	576	757	752	562	561	548	546	535	532	549	537	536	525	524	526	516	507	457
20.00	843	841	600	600	810	593	796	794	585	584	577	576	569	568	572	565	564	558	557	554	548	538	485

## 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	590	577	551	541	570	535	453	445	436	430	369	364	320	319	426	365	363	319	318	362	318	317	300
0.80	694	679	639	629	667	621	549	539	524	517	454	448	402	399	510	448	446	400	398	443	398	397	378
1.00	775	760	706	697	744	687	629	617	595	588	527	520	473	469	579	518	516	470	468	512	467	465	447
1.25	852	837	768	760	818	748	708	695	663	656	597	590	545	540	645	587	584	540	537	579	536	533	515
1.50	910	896	813	805	873	793	769	755	715	707	652	644	601	595	695	640	637	595	592	631	590	586	568
2.00	995	982	877	871	954	858	863	849	791	785	736	728	689	683	770	722	719	681	678	711	675	669	652
2.50	1000	1000	917	912	1000	898	927	913	841	835	792	785	750	743	819	777	774	740	737	764	732	725	709
3.00	1000	1000	944	940	1000	927	974	961	877	872	833	826	794	788	854	817	814	783	780	803	774	765	750
4.00	1000	1000	978	975	1000	961	1000	1000	921	917	884	878	851	845	898	867	864	838	835	851	827	816	802
5.00	1000	1000	998	996	1000	982	1000	1000	948	945	917	911	888	882	925	898	896	873	870	881	860	848	835
10.00	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	988	985	971	967	983	968	967	953	951	949	936	921	909
20.00	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	998	988	981	963	951

LM53 SHR C0-C180: 1.120 SHR C90-C270: 1.120 SHR Superficial: 1.259

# LEDS C4<sup>°</sup>

## Luminaria

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Nombre LEVELS

## Ensayo

Código 10-A002-08-08\_3000K

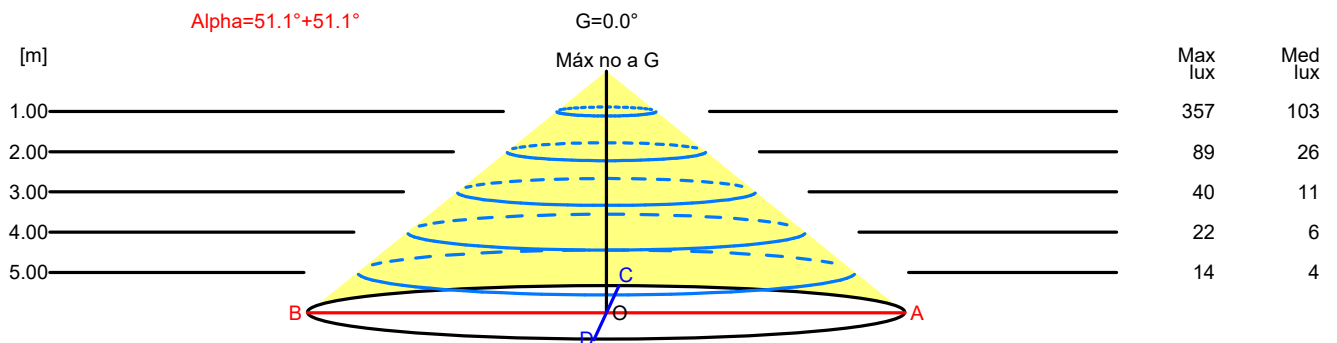
Nombre LEVELS

Flujo Luminaria	971 lm	Potencia Luminaria	14.7 W	Eficacia	66.054 lm/W	Eficiencia	100.00%
Flujo Fuente	971 lm	Valor Máximo	369.30 cd/klm	Posición	C=0.00 G=13.00	CG	Rotosimétrico

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	1.24	2.48	3.71	4.95	6.19	OC	1.24	2.48	3.71	4.95	6.19
OB	1.24	2.48	3.71	4.95	6.19	OD	1.24	2.48	3.71	4.95	6.19

	0	5	15	25	35	45	55	65	75	85
OA	357.16	356.37	357.52	300.58	236.94	202.56	163.63	121.90	76.99	40.17
OB	357.16	356.37	357.52	300.58	236.94	202.56	163.63	121.90	76.99	40.17
OC	357.16	356.37	357.52	300.58	236.94	202.56	163.63	121.90	76.99	40.17
OD	357.16	356.37	357.52	300.58	236.94	202.56	163.63	121.90	76.99	40.17



H[m]	D[m]	Max lux	Med lux	Alpha=51.1°+51.1°	G=0.0 Máx no a G
1.00	2.48	357	103		
2.00	4.95	89	26		
3.00	7.43	40	11		
4.00	9.90	22	6		
5.00	12.38	14	4		



# LEDS C4<sup>®</sup>

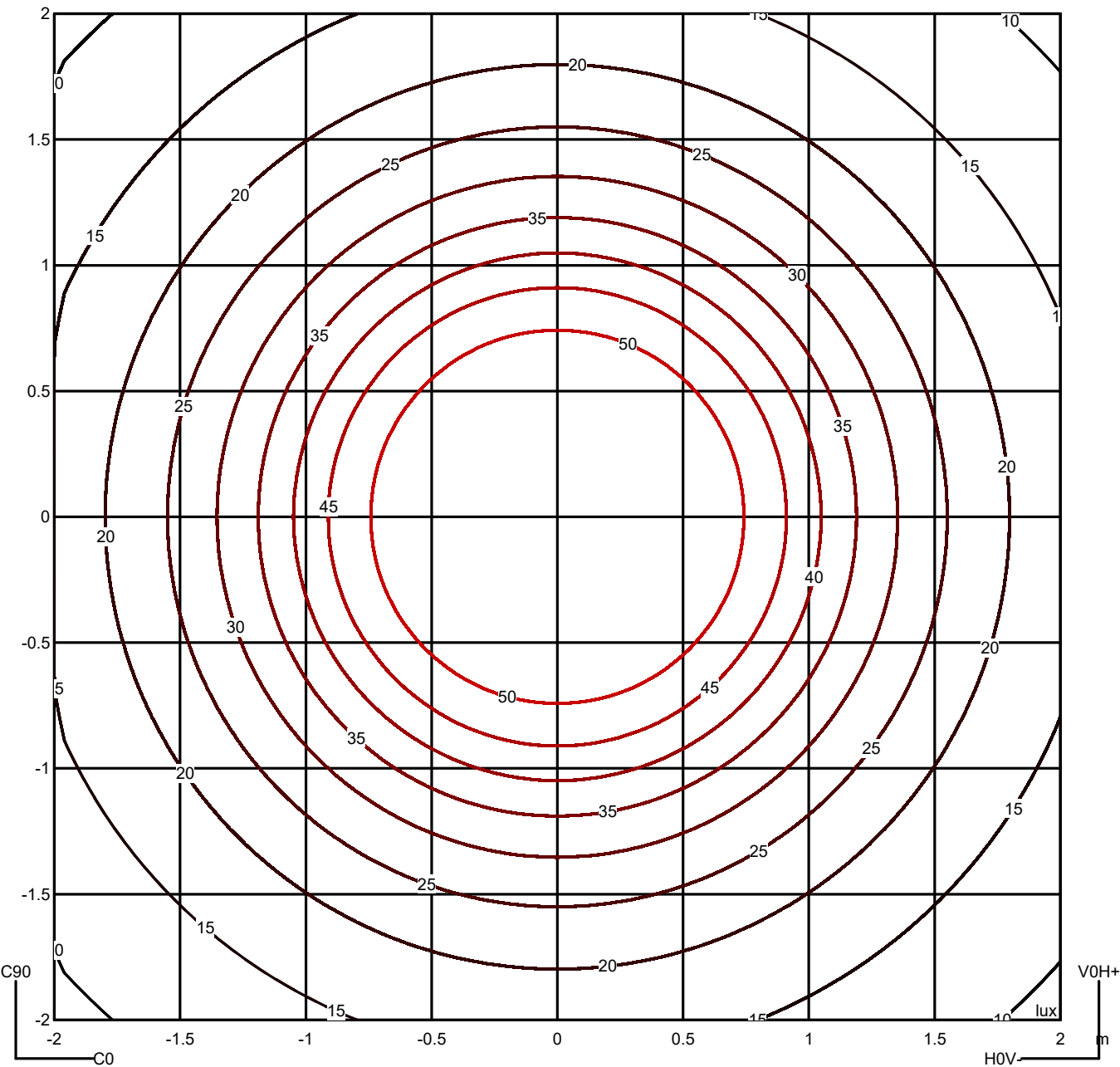
**Luminaria**

Código 10-A002-08-08\_3000K  
Nombre LEVELS  
**Ensayo**  
Código 10-A002-08-08\_3000K  
Nombre LEVELS

Flujo Luminaria	971 lm	Potencia Luminaria	14.7 W	Eficacia	66.054 lm/W	Eficiencia	100.00%
Flujo Fuente	971 lm	Valor Máximo	369.30 cd/klm	Posición	C=0.00 G=13.00	CG	Rotosimétrico

Isolux (Suelo)

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



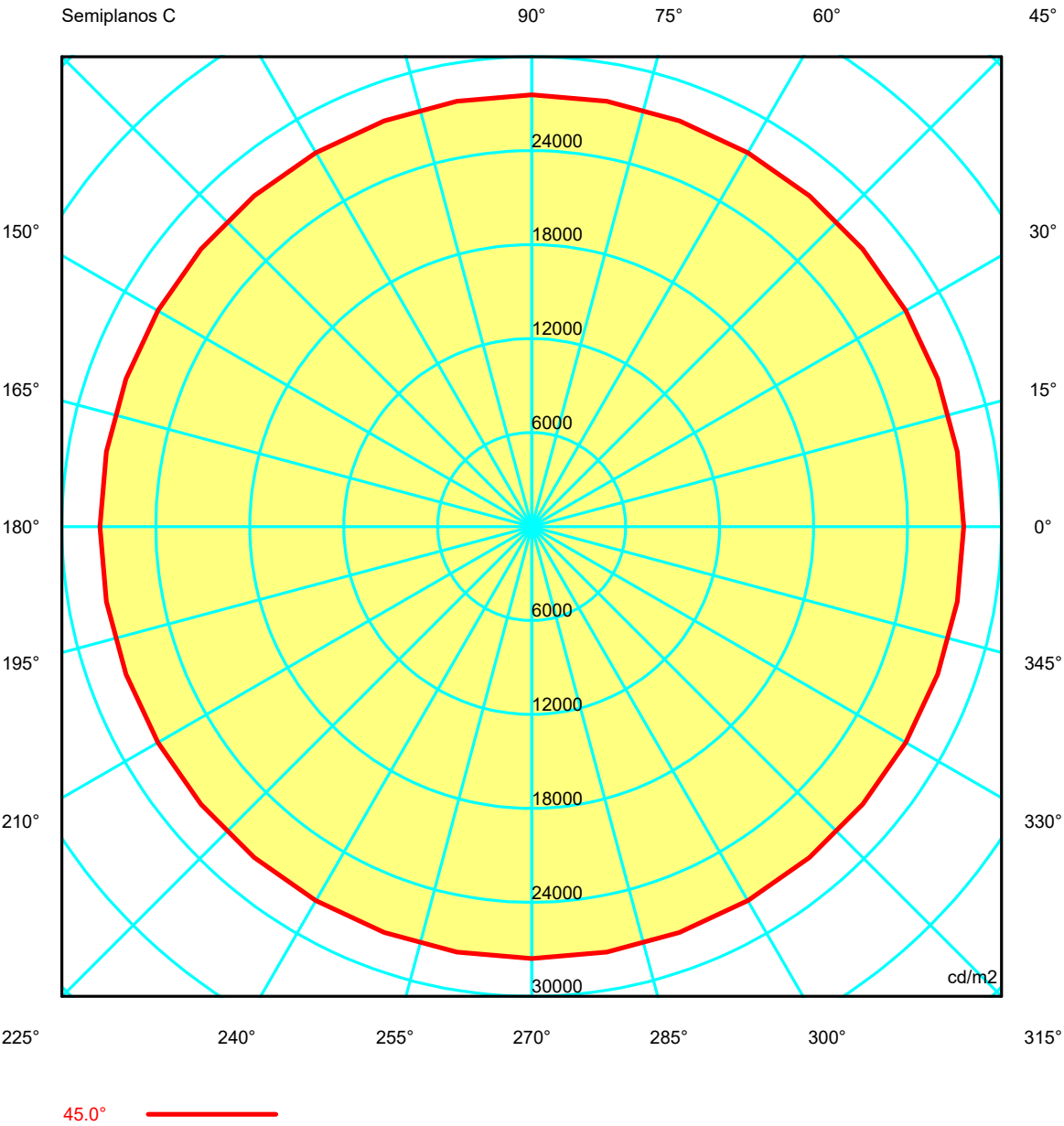
# LEDS C4<sup>+</sup>

**Luminaria**

Código 10-A002-08-08\_3000K  
Nombre LEVELS  
**Ensayo**  
Código 10-A002-08-08\_3000K  
Nombre LEVELS

Flujo Luminaria	971 lm	Potencia Luminaria	14.7 W	Eficacia	66.054 lm/W	Eficiencia	100.00%
Flujo Fuente	971 lm	Valor Máximo	369.30 cd/klm	Posición	C=0.00 G=13.00	CG	Rotosimétrico

Luminancia



# LEDS C4<sup>+</sup>

## Luminaria

Código 10-A002-08-08\_3000K  
Nombre LEVELS

## Ensayo

Código 10-A002-08-08\_3000K  
Nombre LEVELS

Flujo Luminaria		971 lm		Potencia Luminaria		14.7 W		Eficacia		66.054 lm/W		Eficiencia		100.00%	
Flujo Fuente		971 lm		Valor Máximo		369.30 cd/klm		Posición		C=0.00 G=13.00		CG Rotosimétrico			
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	34385.28	34385.28	34385.28	34385.28	34385.28	34385.28	34385.28	34385.28	34385.28	34385.28	34385.28	34385.28	34385.28	34385.28	
G 5.0	34440.57	34440.57	34440.57	34440.57	34440.57	34440.57	34440.57	34440.57	34440.57	34440.57	34440.57	34440.57	34440.57	34440.57	
G 10.0	34834.21	34834.21	34834.21	34834.21	34834.21	34834.21	34834.21	34834.21	34834.21	34834.21	34834.21	34834.21	34834.21	34834.21	
G 15.0	35634.65	35634.65	35634.65	35634.65	35634.65	35634.65	35634.65	35634.65	35634.65	35634.65	35634.65	35634.65	35634.65	35634.65	
G 20.0	34761.50	34761.50	34761.50	34761.50	34761.50	34761.50	34761.50	34761.50	34761.50	34761.50	34761.50	34761.50	34761.50	34761.50	
G 25.0	31929.48	31929.48	31929.48	31929.48	31929.48	31929.48	31929.48	31929.48	31929.48	31929.48	31929.48	31929.48	31929.48	31929.48	
G 30.0	29494.99	29494.99	29494.99	29494.99	29494.99	29494.99	29494.99	29494.99	29494.99	29494.99	29494.99	29494.99	29494.99	29494.99	
G 35.0	27847.72	27847.72	27847.72	27847.72	27847.72	27847.72	27847.72	27847.72	27847.72	27847.72	27847.72	27847.72	27847.72	27847.72	
G 40.0	27344.52	27344.52	27344.52	27344.52	27344.52	27344.52	27344.52	27344.52	27344.52	27344.52	27344.52	27344.52	27344.52	27344.52	
G 45.0	27579.47	27579.47	27579.47	27579.47	27579.47	27579.47	27579.47	27579.47	27579.47	27579.47	27579.47	27579.47	27579.47	27579.47	
G 50.0	27487.10	27487.10	27487.10	27487.10	27487.10	27487.10	27487.10	27487.10	27487.10	27487.10	27487.10	27487.10	27487.10	27487.10	
G 55.0	27466.14	27466.14	27466.14	27466.14	27466.14	27466.14	27466.14	27466.14	27466.14	27466.14	27466.14	27466.14	27466.14	27466.14	
G 60.0	27611.58	27611.58	27611.58	27611.58	27611.58	27611.58	27611.58	27611.58	27611.58	27611.58	27611.58	27611.58	27611.58	27611.58	
G 65.0	27770.29	27770.29	27770.29	27770.29	27770.29	27770.29	27770.29	27770.29	27770.29	27770.29	27770.29	27770.29	27770.29	27770.29	
G 70.0	27958.66	27958.66	27958.66	27958.66	27958.66	27958.66	27958.66	27958.66	27958.66	27958.66	27958.66	27958.66	27958.66	27958.66	
G 75.0	28637.24	28637.24	28637.24	28637.24	28637.24	28637.24	28637.24	28637.24	28637.24	28637.24	28637.24	28637.24	28637.24	28637.24	
G 80.0	31183.52	31183.52	31183.52	31183.52	31183.52	31183.52	31183.52	31183.52	31183.52	31183.52	31183.52	31183.52	31183.52	31183.52	
G 85.0	44367.76	44367.76	44367.76	44367.76	44367.76	44367.76	44367.76	44367.76	44367.76	44367.76	44367.76	44367.76	44367.76	44367.76	
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	0.00	

# LEDS C4<sup>+</sup>

## Luminaria

Código 10-A002-08-08\_3000K

Nombre LEVELS

## Ensayo

Código 10-A002-08-08\_3000K

Nombre LEVELS

Flujo Luminaria	971 lm	Potencia Luminaria	14.7 W	Eficacia	66.054 lm/W	Eficiencia	100.00%
Flujo Fuente	971 lm	Valor Máximo	369.30 cd/klm	Posición	C=0.00 G=13.00	CG Rotosimétrico	

### 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	34385.28	34385.28	34385.28	34385.28	34385.28	34385.28	34385.28	34385.28	34385.28	34385.28	34385.28	34385.28	34385.28
G 5.0	34440.57	34440.57	34440.57	34440.57	34440.57	34440.57	34440.57	34440.57	34440.57	34440.57	34440.57	34440.57	34440.57
G 10.0	34834.21	34834.21	34834.21	34834.21	34834.21	34834.21	34834.21	34834.21	34834.21	34834.21	34834.21	34834.21	34834.21
G 15.0	35634.65	35634.65	35634.65	35634.65	35634.65	35634.65	35634.65	35634.65	35634.65	35634.65	35634.65	35634.65	35634.65
G 20.0	34761.50	34761.50	34761.50	34761.50	34761.50	34761.50	34761.50	34761.50	34761.50	34761.50	34761.50	34761.50	34761.50
G 25.0	31929.48	31929.48	31929.48	31929.48	31929.48	31929.48	31929.48	31929.48	31929.48	31929.48	31929.48	31929.48	31929.48
G 30.0	29494.99	29494.99	29494.99	29494.99	29494.99	29494.99	29494.99	29494.99	29494.99	29494.99	29494.99	29494.99	29494.99
G 35.0	27847.72	27847.72	27847.72	27847.72	27847.72	27847.72	27847.72	27847.72	27847.72	27847.72	27847.72	27847.72	27847.72
G 40.0	27344.52	27344.52	27344.52	27344.52	27344.52	27344.52	27344.52	27344.52	27344.52	27344.52	27344.52	27344.52	27344.52
G 45.0	27579.47	27579.47	27579.47	27579.47	27579.47	27579.47	27579.47	27579.47	27579.47	27579.47	27579.47	27579.47	27579.47
G 50.0	27487.10	27487.10	27487.10	27487.10	27487.10	27487.10	27487.10	27487.10	27487.10	27487.10	27487.10	27487.10	27487.10
G 55.0	27466.14	27466.14	27466.14	27466.14	27466.14	27466.14	27466.14	27466.14	27466.14	27466.14	27466.14	27466.14	27466.14
G 60.0	27611.58	27611.58	27611.58	27611.58	27611.58	27611.58	27611.58	27611.58	27611.58	27611.58	27611.58	27611.58	27611.58
G 65.0	27770.29	27770.29	27770.29	27770.29	27770.29	27770.29	27770.29	27770.29	27770.29	27770.29	27770.29	27770.29	27770.29
G 70.0	27958.66	27958.66	27958.66	27958.66	27958.66	27958.66	27958.66	27958.66	27958.66	27958.66	27958.66	27958.66	27958.66
G 75.0	28637.24	28637.24	28637.24	28637.24	28637.24	28637.24	28637.24	28637.24	28637.24	28637.24	28637.24	28637.24	28637.24
G 80.0	31183.52	31183.52	31183.52	31183.52	31183.52	31183.52	31183.52	31183.52	31183.52	31183.52	31183.52	31183.52	31183.52
G 85.0	44367.76	44367.76	44367.76	44367.76	44367.76	44367.76	44367.76	44367.76	44367.76	44367.76	44367.76	44367.76	44367.76
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

# LEDS C4<sup>+</sup>

**Luminaria**

Código 10-A002-08-08\_3000K

Nombre LEVELS

**Ensayo**

Código 10-A002-08-08\_3000K

Nombre LEVELS

Flujo Luminaria	971 lm	Potencia Luminaria	14.7 W	Eficacia	66.054 lm/W	Eficiencia	100.00%
Flujo Fuente	971 lm	Valor Máximo	369.30 cd/klm	Posición	C=0.00 G=13.00	CG Rotosimétrico	

**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	34385.28	34385.28	34385.28	34385.28	34385.28	34385.28	34385.28	34385.28	34385.28	34385.28
G 5.0	34440.57	34440.57	34440.57	34440.57	34440.57	34440.57	34440.57	34440.57	34440.57	34440.57
G 10.0	34834.21	34834.21	34834.21	34834.21	34834.21	34834.21	34834.21	34834.21	34834.21	34834.21
G 15.0	35634.65	35634.65	35634.65	35634.65	35634.65	35634.65	35634.65	35634.65	35634.65	35634.65
G 20.0	34761.50	34761.50	34761.50	34761.50	34761.50	34761.50	34761.50	34761.50	34761.50	34761.50
G 25.0	31929.48	31929.48	31929.48	31929.48	31929.48	31929.48	31929.48	31929.48	31929.48	31929.48
G 30.0	29494.99	29494.99	29494.99	29494.99	29494.99	29494.99	29494.99	29494.99	29494.99	29494.99
G 35.0	27847.72	27847.72	27847.72	27847.72	27847.72	27847.72	27847.72	27847.72	27847.72	27847.72
G 40.0	27344.52	27344.52	27344.52	27344.52	27344.52	27344.52	27344.52	27344.52	27344.52	27344.52
G 45.0	27579.47	27579.47	27579.47	27579.47	27579.47	27579.47	27579.47	27579.47	27579.47	27579.47
G 50.0	27487.10	27487.10	27487.10	27487.10	27487.10	27487.10	27487.10	27487.10	27487.10	27487.10
G 55.0	27466.14	27466.14	27466.14	27466.14	27466.14	27466.14	27466.14	27466.14	27466.14	27466.14
G 60.0	27611.58	27611.58	27611.58	27611.58	27611.58	27611.58	27611.58	27611.58	27611.58	27611.58
G 65.0	27770.29	27770.29	27770.29	27770.29	27770.29	27770.29	27770.29	27770.29	27770.29	27770.29
G 70.0	27958.66	27958.66	27958.66	27958.66	27958.66	27958.66	27958.66	27958.66	27958.66	27958.66
G 75.0	28637.24	28637.24	28637.24	28637.24	28637.24	28637.24	28637.24	28637.24	28637.24	28637.24
G 80.0	31183.52	31183.52	31183.52	31183.52	31183.52	31183.52	31183.52	31183.52	31183.52	31183.52
G 85.0	44367.76	44367.76	44367.76	44367.76	44367.76	44367.76	44367.76	44367.76	44367.76	44367.76
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

# LEDS C4<sup>®</sup>

## Luminaria

Código 10-A002-08-08\_3000K

Nombre LEVELS

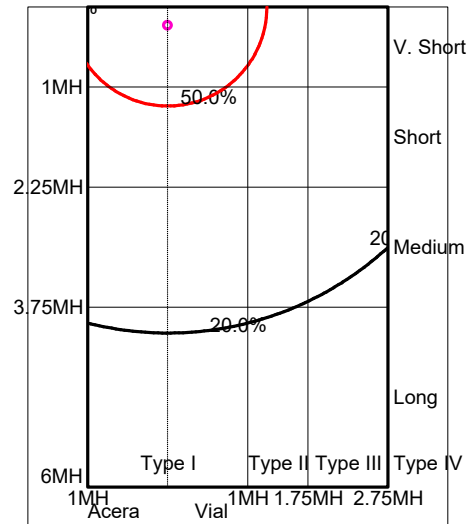
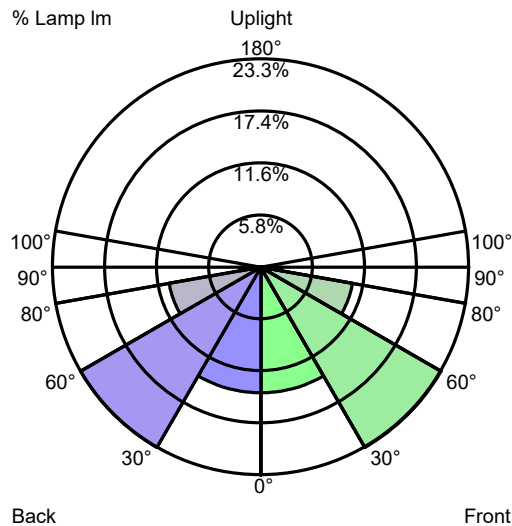
## Ensayo

Código 10-A002-08-08\_3000K

Nombre LEVELS

Flujo Luminaria	971 lm	Potencia Luminaria	14.7 W	Eficacia	66.054 lm/W	Eficiencia	100.00%
Flujo Fuente	971 lm	Valor Máximo	369.30 cd/klm	Posición	C=0.00 G=13.00	CG	Rotosimétrico

## US ROAD STANDARDS



Luminaire Classification System (LCS)				
LCS Zone		Lumens	%Lamp	%Lum
FL	0° -- 30°	136.3 lm	14.0 %	14.0 %
FM	30° -- 60°	225.8 lm	23.3 %	23.3 %
FH	60° -- 80°	101.0 lm	10.4 %	10.4 %
FVH	80° -- 90°	22.4 lm	2.3 %	2.3 %
BL	0° -- 30°	136.3 lm	14.0 %	14.0 %
BM	30° -- 60°	225.8 lm	23.3 %	23.3 %
BH	60° -- 80°	101.0 lm	10.4 %	10.4 %
BVH	80° -- 90°	22.4 lm	2.3 %	2.3 %
UL	90° -- 100°	0.0 lm	0.0 %	0.0 %
UH	100° -- 180°	0.0 lm	0.0 %	0.0 %
TOTALS		971.0 lm	100.0 %	100.0 %
BUG B1 U0 G1 Type V Very Short Quadrilateral Symmetry				