

Luminaria

Código 15-A126-05-F9_3000K

Nombre SPARK

Ensayo

Código 15-A126-05-F9_3000K

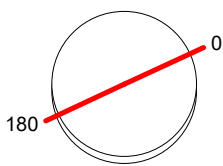
Nombre SPARK

Flujo Luminaria	652 lm	Potencia Luminaria	16.0 W	Eficacia	40.756 lm/W	Eficiencia	100.00%
Flujo Fuente	652 lm	Valor Máximo	223.47 cd/klm	Posición	C=0.00 G=13.00	CG	Rotosimétrico
Luminaria Redonda		Diam.	233 mm	Altura	80 mm		
Área Luminosa Redonda		Diam.	233 mm	Altura	52 mm		
Área Luminosa Horizontal		0.042638 m2		Área Emisión sobre Pl. 180°		0.012116 m2	
Área Emisión sobre Pl. 0°		0.012116 m2		Área Emisión sobre Pl. 270°		0.012116 m2	
Área Emisión sobre Pl. 90°		0.012116 m2		Área de deslumbramiento a 76°		0.022071 m2	
Sist. de Coordn.		CG		Tipo de Simetría		Rotosimétrico	
Fecha		14-09-2022		Máximo Ángulo Gamma		90	
Distancia de Ensayo		0.00		Flujo de Ensayo		636 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.	34 62 84 100 100	D DIN 5040	652.10	16.00	1
F UTE	1.00 H	B NBN	A20 BZ 6		

Diam=233mm



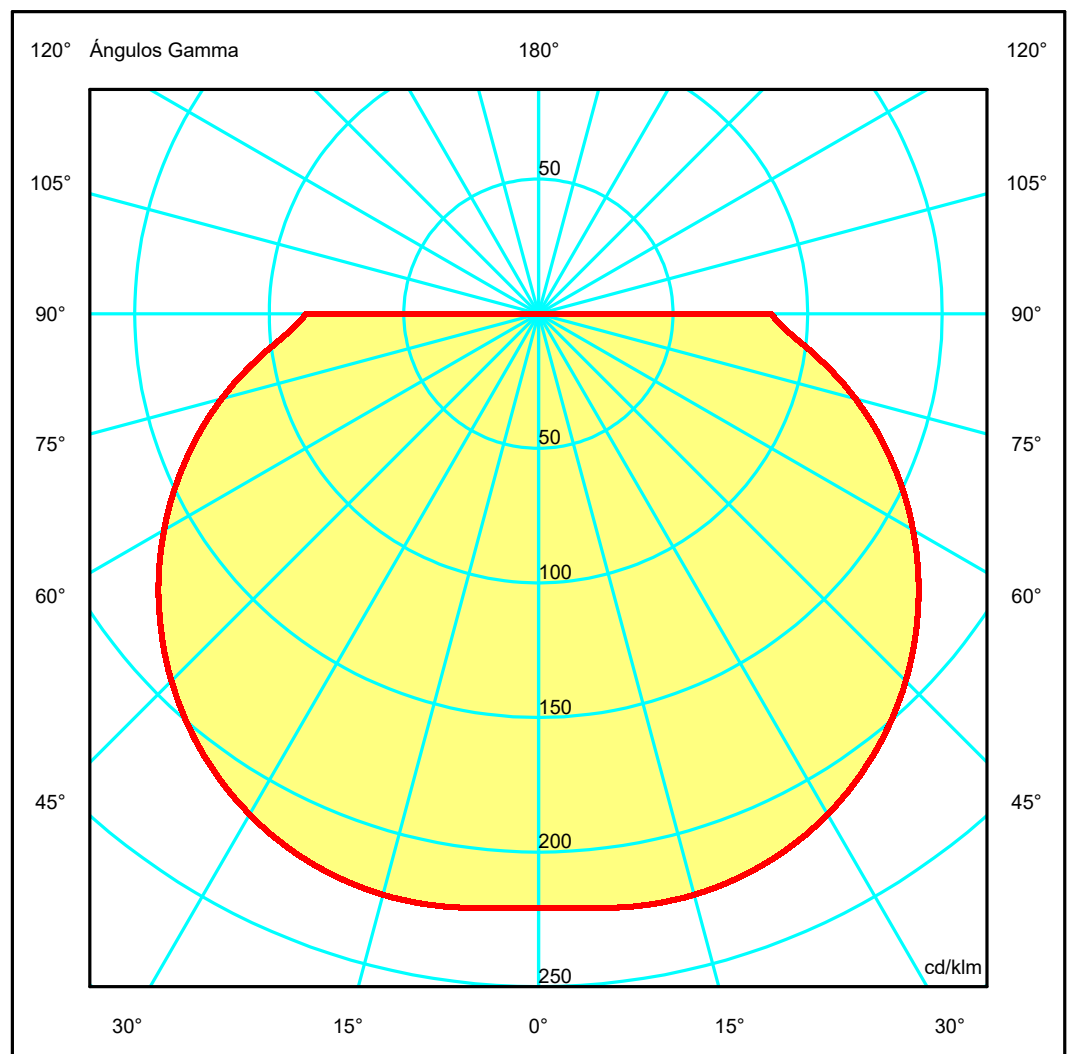
Semiplanos C

180.0 — 0.0

ULOR 0.00 %

DLOR100.00 %

RN 0.00 %



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Flujo Fuente	652 lm	Valor Máximo	223.47 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	220.62	G 46.0 191.03
G 1.0	220.66	G 47.0 189.11
G 2.0	220.76	G 48.0 187.16
G 3.0	220.97	G 49.0 185.17
G 4.0	221.23	G 50.0 183.10
G 5.0	221.59	G 51.0 181.06
G 6.0	221.96	G 52.0 178.90
G 7.0	222.33	G 53.0 176.79
G 8.0	222.65	G 54.0 174.56
G 9.0	222.93	G 55.0 172.36
G 10.0	223.16	G 56.0 170.07
G 11.0	223.31	G 57.0 167.77
G 12.0	223.43	G 58.0 165.45
G 13.0	223.47	G 59.0 163.06
G 14.0	223.46	G 60.0 160.71
G 15.0	223.40	G 61.0 158.25
G 16.0	223.26	G 62.0 155.83
G 17.0	223.07	G 63.0 153.31
G 18.0	222.79	G 64.0 150.83
G 19.0	222.48	G 65.0 148.30
G 20.0	222.09	G 66.0 145.75
G 21.0	221.64	G 67.0 143.18
G 22.0	221.14	G 68.0 140.57
G 23.0	220.55	G 69.0 137.98
G 24.0	219.92	G 70.0 135.30
G 25.0	219.19	G 71.0 132.69
G 26.0	218.45	G 72.0 129.99
G 27.0	217.61	G 73.0 127.32
G 28.0	216.72	G 74.0 124.62
G 29.0	215.77	G 75.0 121.90
G 30.0	214.75	G 76.0 119.17
G 31.0	213.69	G 77.0 116.38
G 32.0	212.53	G 78.0 113.64
G 33.0	211.38	G 79.0 110.82
G 34.0	210.09	G 80.0 108.10
G 35.0	208.82	G 81.0 105.34
G 36.0	207.43	G 82.0 102.65
G 37.0	206.03	G 83.0 99.98
G 38.0	204.56	G 84.0 97.37
G 39.0	203.05	G 85.0 94.88
G 40.0	201.50	G 86.0 92.66
G 41.0	199.85	G 87.0 90.79
G 42.0	198.21	G 88.0 89.12
G 43.0	196.45	G 89.0 87.68
G 44.0	194.73	G 90.0 86.48
G 45.0	192.86	

LedsC4

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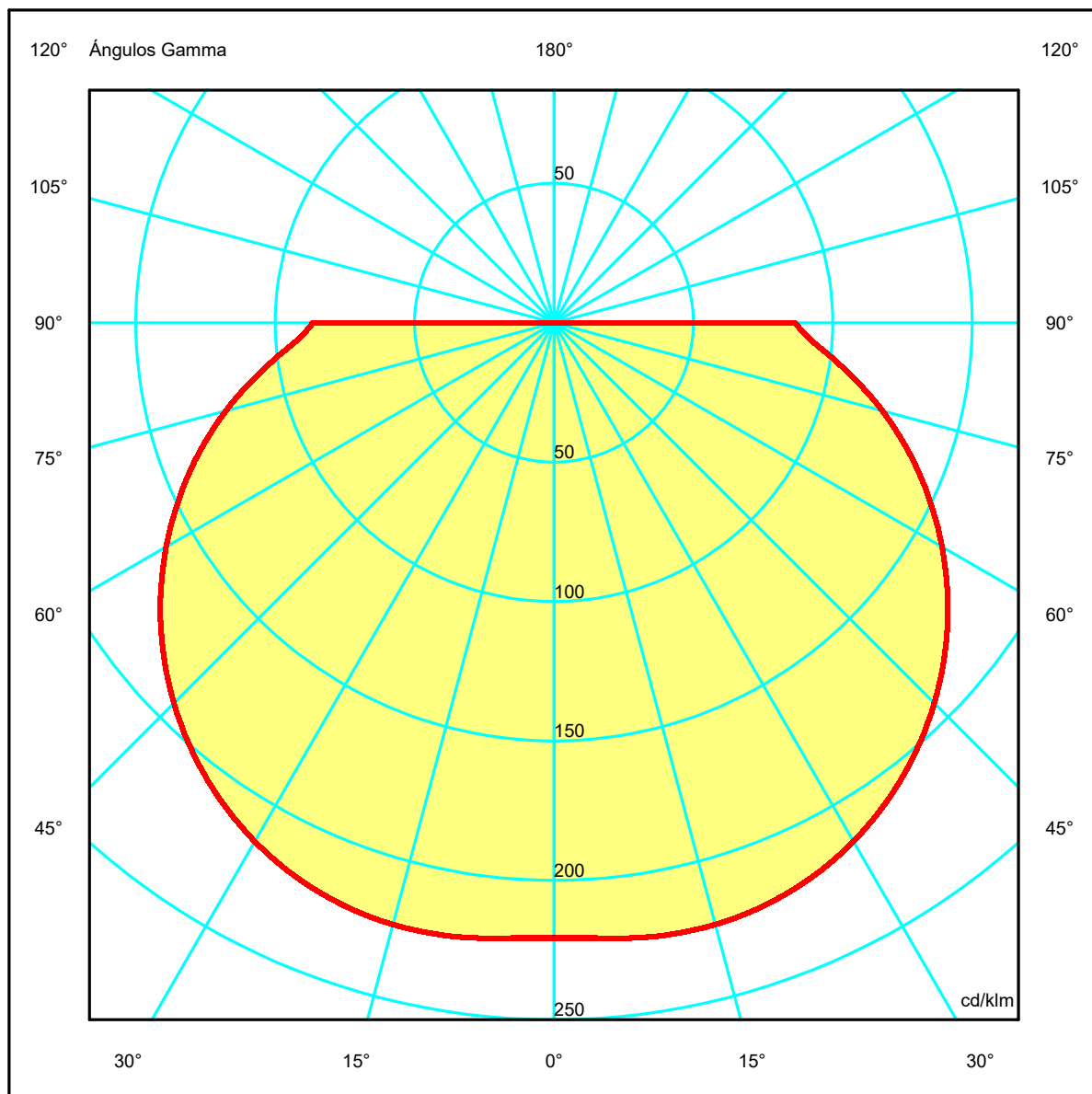
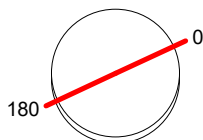
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Diam=233mm

Semiplanos C

180.0  0.0



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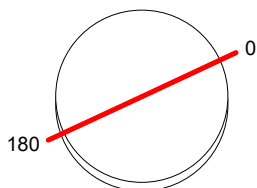
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Diam=233mm

Semiplanos C



180.0 ————— 0.0



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Flujo Fuente	652 lm	Valor Máximo	223.47 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						Vista Longitudinal				
x=2H y=2H	16.7	18.2	17.0	18.5	18.7	16.7	18.2	17.0	18.5	18.7
x=2H y=3H	18.9	20.3	19.2	20.6	20.9	18.9	20.3	19.2	20.6	20.9
x=2H y=4H	20.0	21.4	20.4	21.7	22.0	20.0	21.4	20.4	21.7	22.0
x=2H y=6H	21.1	22.4	21.5	22.7	23.0	21.1	22.4	21.5	22.7	23.0
x=2H y=8H	21.6	22.9	22.0	23.2	23.5	21.6	22.9	22.0	23.2	23.5
x=2H y=12H	22.1	23.3	22.5	23.7	24.0	22.1	23.3	22.5	23.7	24.0
x=4H y=2H	17.5	18.9	17.9	19.2	19.5	17.5	18.9	17.9	19.2	19.5
x=4H y=3H	20.0	21.2	20.4	21.5	21.9	20.0	21.2	20.4	21.5	21.9
x=4H y=4H	21.2	22.3	21.6	22.7	23.1	21.2	22.3	21.6	22.7	23.1
x=4H y=6H	22.5	23.5	22.9	23.9	24.3	22.5	23.5	22.9	23.9	24.3
x=4H y=8H	23.1	24.0	23.6	24.4	24.9	23.1	24.0	23.6	24.4	24.9
x=4H y=12H	23.7	24.6	24.2	25.0	25.5	23.7	24.6	24.2	25.0	25.5
x=8H y=4H	21.8	22.7	22.2	23.1	23.5	21.8	22.7	22.2	23.1	23.5
x=8H y=6H	23.3	24.1	23.7	24.5	25.0	23.3	24.1	23.7	24.5	25.0
x=8H y=8H	24.1	24.8	24.5	25.2	25.7	24.1	24.8	24.5	25.2	25.7
x=8H y=12H	24.8	25.5	25.3	25.9	26.5	24.8	25.5	25.3	25.9	26.5
x=12H y=4H	21.9	22.7	22.3	23.2	23.6	21.9	22.7	22.3	23.2	23.6
x=12H y=6H	23.5	24.2	24.0	24.7	25.1	23.5	24.2	24.0	24.7	25.1
x=12H y=8H	24.3	25.0	24.8	25.4	25.9	24.3	25.0	24.8	25.4	25.9

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Flujo Total=652.10 Flujo Luminaria=652.10

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	0.22	0.29	0.35	0.41	0.47	0.55	0.61	0.66	0.72	0.76	0.85	0.92
RC	7	7	7	7	7	7	7	7	7	7	7	7

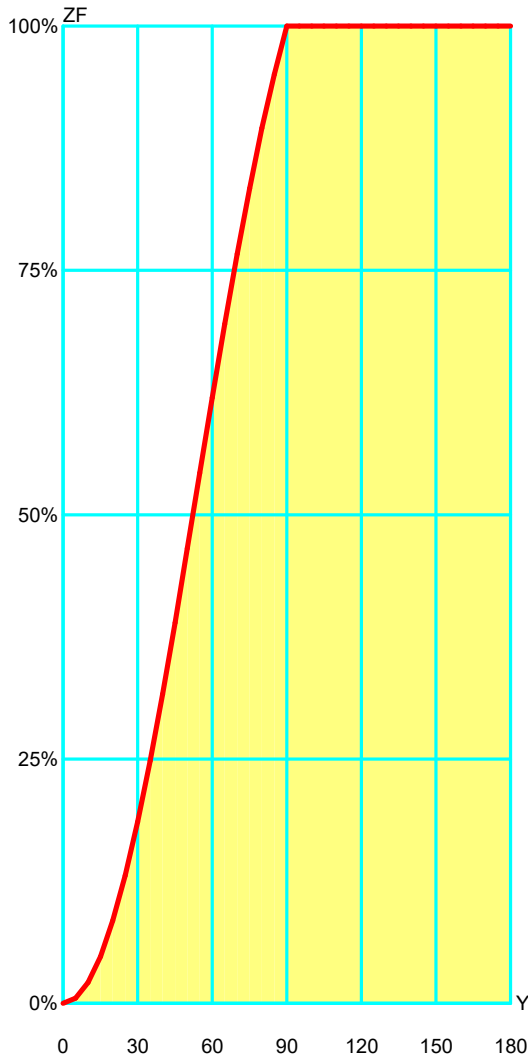
Flujo Zonal por 1000 Lúmenes

Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	21	84	186	317	466	620	767	896	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

Códigos de Flujo C.I.E.

34 62 84 100 100

C.I.E.	7	LOR	100.00000 %
D DIN 5040	A20	ULOR	0.00000 %
F UTE	1.00 H	DLOR	100.00000 %
B NBN	BZ 6	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°	5.29	5.29	0.53 %	0.53 %
10°	15.92	21.21	1.59 %	2.12 %
15°	26.50	47.71	2.65 %	4.77 %
20°	36.73	84.44	3.67 %	8.44 %
25°	46.30	130.74	4.63 %	13.07 %
30°	54.93	185.68	5.49 %	18.57 %
35°	62.39	248.06	6.24 %	24.81 %
40°	68.47	316.53	6.85 %	31.65 %
45°	73.03	389.56	7.30 %	38.96 %
50°	75.99	465.55	7.60 %	46.56 %
55°	77.30	542.85	7.73 %	54.28 %
60°	76.98	619.83	7.70 %	61.98 %
65°	75.12	694.95	7.51 %	69.49 %
70°	71.82	766.77	7.18 %	76.68 %
75°	67.24	834.00	6.72 %	83.40 %
80°	61.53	895.53	6.15 %	89.55 %
85°	55.08	950.61	5.51 %	95.06 %
90°	49.39	1000.00	4.94 %	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 Fuente	652 lm	Valor Máximo	223.47 cd/klm	Posición	C=0.00 G=13.00	CG	Rotosimétrico

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	229	206	188	170	196	162	115	98	95	81	50	37	17	11	76	40	35	14	11	34	12	10	0
0.80	268	245	206	190	233	181	145	127	111	98	61	48	23	17	91	50	46	19	16	43	16	14	0
1.00	293	273	212	198	259	190	168	150	120	108	68	56	28	22	101	58	53	24	21	51	21	19	0
1.25	315	297	213	202	282	194	192	174	127	116	75	64	34	27	109	66	61	30	26	58	27	24	0
1.50	331	314	211	202	299	194	211	194	131	121	81	70	39	33	114	71	67	35	31	64	32	29	0
2.00	349	336	202	196	320	189	239	224	134	126	87	78	48	42	119	79	75	44	40	72	40	37	0
2.50	361	349	194	189	333	183	259	246	134	128	92	84	55	49	121	84	80	51	47	77	47	44	0
3.00	368	358	186	182	342	177	275	262	133	128	95	88	61	55	122	87	84	56	53	81	53	49	0
4.00	378	370	175	172	354	168	296	285	131	128	99	93	69	63	122	92	90	65	61	87	61	58	0
5.00	383	377	167	165	361	161	310	301	130	127	101	96	74	70	122	95	93	70	68	90	67	64	0
10.00	393	390	146	145	374	143	342	337	123	122	105	103	88	85	118	101	100	85	83	97	82	79	0
20.00	396	394	131	130	379	129	360	358	118	117	107	106	97	95	114	104	103	94	93	101	91	89	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	508	496	457	447	489	442	385	377	357	351	299	295	258	256	348	295	294	256	256	292	256	255	235
0.80	586	573	515	506	563	499	458	449	417	410	358	352	313	310	405	352	350	311	310	348	310	309	286
1.00	644	631	556	548	618	540	515	505	462	455	403	397	358	354	448	396	394	355	353	392	353	352	326
1.25	699	687	594	587	671	578	573	562	505	499	448	442	403	400	491	441	438	400	398	435	398	396	367
1.50	743	731	623	617	714	608	620	609	540	534	485	479	441	437	525	477	475	437	435	471	434	432	400
2.00	803	792	660	655	772	646	688	677	587	582	538	532	496	492	571	528	526	491	489	521	487	484	449
2.50	846	837	687	683	814	674	738	727	622	617	577	571	538	534	606	567	565	533	530	559	528	524	486
3.00	879	871	708	705	847	696	777	767	649	645	608	603	572	567	633	597	595	565	563	588	560	555	515
4.00	933	927	746	743	901	734	841	832	695	692	659	655	628	623	680	649	647	620	618	639	614	608	565
5.00	976	970	777	775	943	766	890	883	732	729	701	697	672	668	717	689	688	664	662	679	657	650	605
10.00	1000	1000	875	874	1000	866	1000	1000	844	843	823	821	804	801	830	811	810	794	792	800	785	776	727
20.00	1000	1000	968	967	1000	960	1000	1000	946	946	934	932	921	920	933	921	921	910	909	910	900	890	838
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	527	514	492	482	506	475	379	371	365	359	291	286	237	236	355	286	285	236	235	283	235	234	215
0.80	629	613	579	568	601	559	471	460	449	441	371	364	312	309	434	364	361	309	308	359	308	306	285
1.00	709	693	646	636	677	624	548	536	518	510	439	431	377	373	500	430	427	374	372	423	371	370	348
1.25	787	771	709	699	750	686	625	612	586	577	508	500	446	441	565	497	494	441	439	488	438	435	413
1.50	846	831	756	747	807	733	687	673	639	630	563	554	501	496	616	550	547	495	493	540	491	487	466
2.00	935	921	824	817	892	801	784	769	718	711	649	641	591	585	694	634	631	583	580	622	577	571	551
2.50	994	982	868	862	949	846	851	837	772	766	709	701	655	648	747	693	690	645	642	679	638	631	611
3.00	1000	1000	899	894	991	878	902	888	812	806	754	747	703	696	786	737	734	692	689	722	683	675	657
4.00	1000	1000	938	935	1000	919	970	958	863	859	814	807	769	762	837	795	792	756	753	778	745	735	718
5.00	1000	1000	963	960	1000	944	1000	1000	897	893	853	847	813	807	871	833	831	799	795	816	786	775	758
10.00	1000	1000	1000	1000	1000	1000	1000	1000	972	970	944	941	918	914	947	923	922	900	898	903	884	869	855
20.00	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	999	985	983	993	979	978	965	964	958	947	929	916

LM53 SHR C0-C180: 1.440 SHR C90-C270: 1.440 SHR Superficial: 1.587

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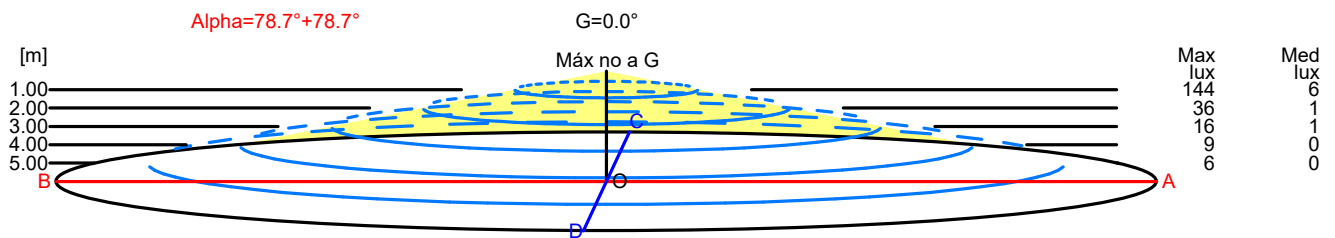
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Flujo Fuente	652 lm	Valor Máximo	223.47 cd/klm	Posición	C=0.00 G=13.00	CG	Rotosimétrico

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	4.99	9.99	14.98	19.97	24.96	OC	4.99	9.99	14.98	19.97	24.96
OB	4.99	9.99	14.98	19.97	24.96	OD	4.99	9.99	14.98	19.97	24.96

	Intensidades Luminosas [cd/klm]									
	0	5	15	25	35	45	55	65	75	85
OA	143.87	144.50	145.68	142.94	136.17	125.76	112.40	96.70	79.49	61.87
OB	143.87	144.50	145.68	142.94	136.17	125.76	112.40	96.70	79.49	61.87
OC	143.87	144.50	145.68	142.94	136.17	125.76	112.40	96.70	79.49	61.87
OD	143.87	144.50	145.68	142.94	136.17	125.76	112.40	96.70	79.49	61.87



H[m]	D[m]	Max lux	Med lux	Alpha=78.7°+78.7°	G=0.0 Máx no a G
1.00	9.99	144	6		
2.00	19.97	36	1		
3.00	29.96	16	1		
4.00	39.94	9	0		
5.00	49.93	6	0		

Luminaria

Código 15-A126-05-F9_3000K

Nombre SPARK

Ensayo

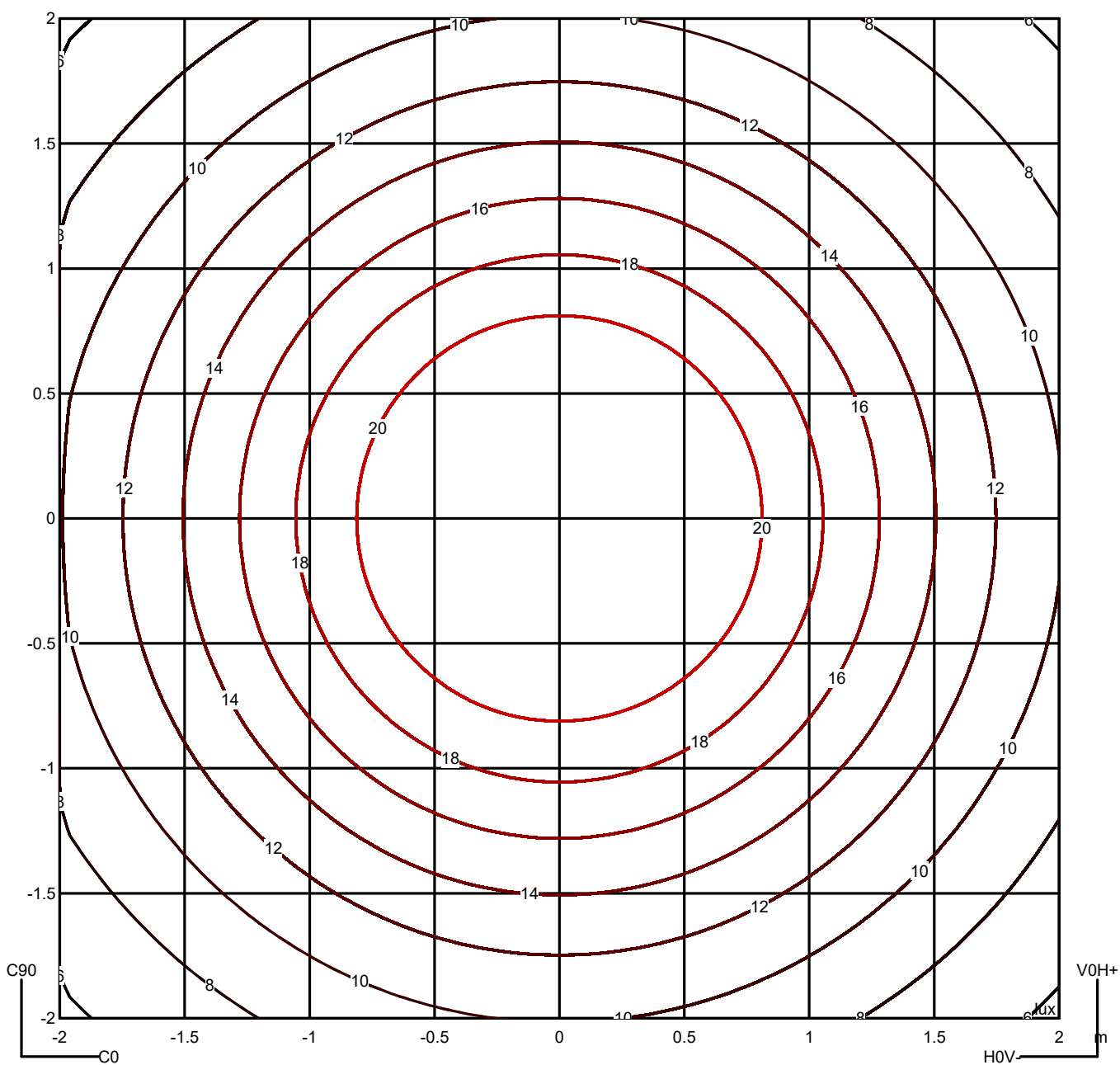
Código 15-A126-05-F9_3000K

Nombre SPARK

Flujo Luminaria	652 lm	Potencia Luminaria	16.0 W	Eficacia	40.756 lm/W	Eficiencia	100.00%
Flujo Fuente	652 lm	Valor Máximo	223.47 cd/klm	Posición	C=0.00 G=13.00	CG	Rotosimétrico

Isolux (Suelo)

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



Luminaria

Código 15-A126-05-F9_3000K

Nombre SPARK

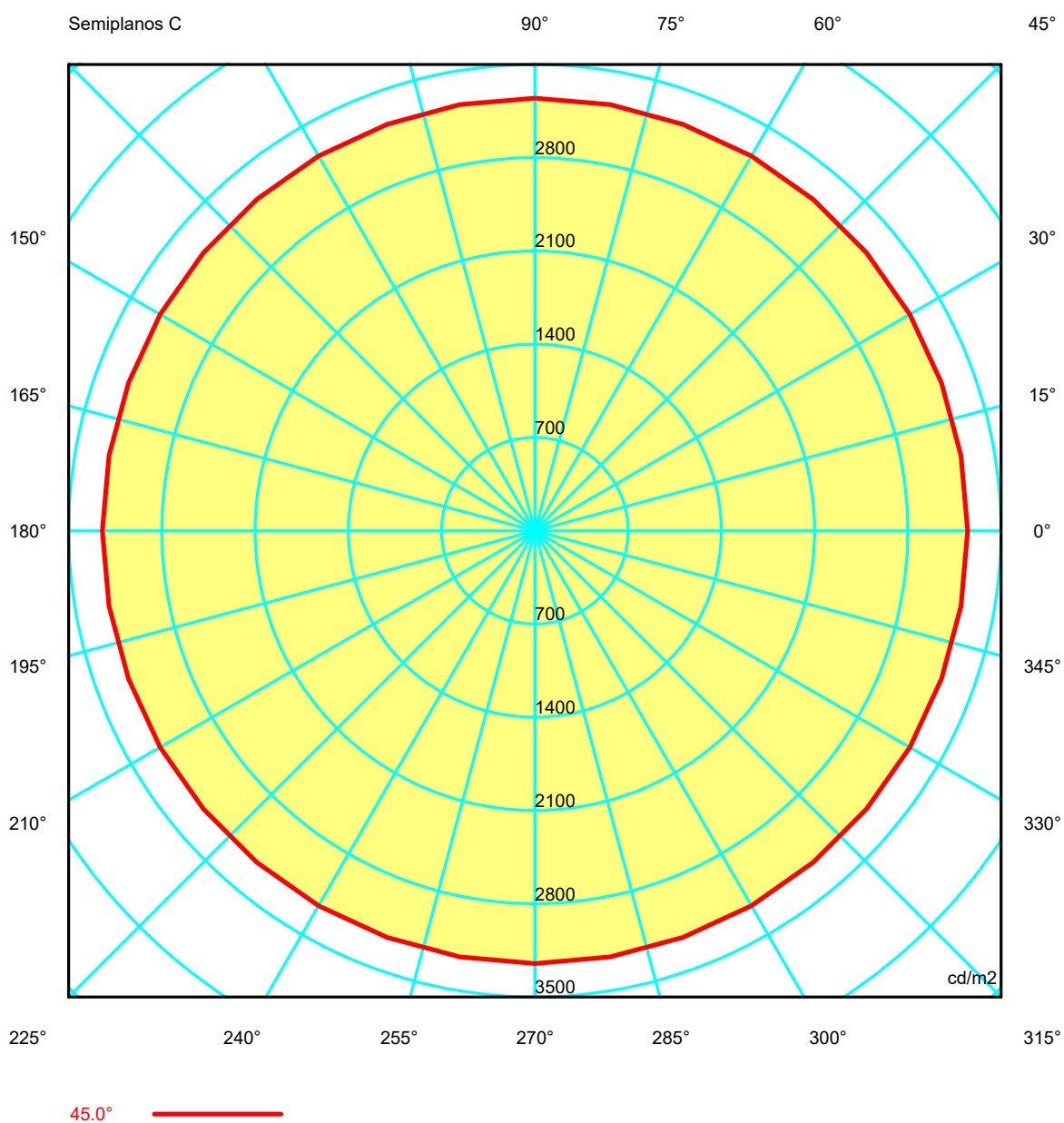
Ensayo

Código 15-A126-05-F9_3000K

Nombre SPARK

Flujo Luminaria	652 lm	Potencia Luminaria	16.0 W	Eficacia	40.756 lm/W	Eficiencia	100.00%
Flujo Fuente	652 lm	Valor Máximo	223.47 cd/klm	Posición	C=0.00 G=13.00	CG	Rotosimétrico

Luminancia



Luminaria

Código 15-A126-05-F9_3000K

Nombre SPARK

Ensayo

Código 15-A126-05-F9_3000K

Nombre SPARK

Flujo Luminaria	652 lm	Potencia Luminaria	16.0 W	Eficacia	40.756 lm/W	Eficiencia	100.00%
Flujo Fuente	652 lm	Valor Máximo	223.47 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	3374.14	3374.14	3374.14	3374.14	3374.14	3374.14	3374.14	3374.14	3374.14	3374.14	3374.14	3374.14	3374.14
G 5.0	3319.41	3319.41	3319.41	3319.41	3319.41	3319.41	3319.41	3319.41	3319.41	3319.41	3319.41	3319.41	3319.41
G 10.0	3300.22	3300.22	3300.22	3300.22	3300.22	3300.22	3300.22	3300.22	3300.22	3300.22	3300.22	3300.22	3300.22
G 15.0	3286.81	3286.81	3286.81	3286.81	3286.81	3286.81	3286.81	3286.81	3286.81	3286.81	3286.81	3286.81	3286.81
G 20.0	3275.83	3275.83	3275.83	3275.83	3275.83	3275.83	3275.83	3275.83	3275.83	3275.83	3275.83	3275.83	3275.83
G 25.0	3266.07	3266.07	3266.07	3266.07	3266.07	3266.07	3266.07	3266.07	3266.07	3266.07	3266.07	3266.07	3266.07
G 30.0	3257.93	3257.93	3257.93	3257.93	3257.93	3257.93	3257.93	3257.93	3257.93	3257.93	3257.93	3257.93	3257.93
G 35.0	3251.68	3251.68	3251.68	3251.68	3251.68	3251.68	3251.68	3251.68	3251.68	3251.68	3251.68	3251.68	3251.68
G 40.0	3248.38	3248.38	3248.38	3248.38	3248.38	3248.38	3248.38	3248.38	3248.38	3248.38	3248.38	3248.38	3248.38
G 45.0	3248.28	3248.28	3248.28	3248.28	3248.28	3248.28	3248.28	3248.28	3248.28	3248.28	3248.28	3248.28	3248.28
G 50.0	3254.40	3254.40	3254.40	3254.40	3254.40	3254.40	3254.40	3254.40	3254.40	3254.40	3254.40	3254.40	3254.40
G 55.0	3269.08	3269.08	3269.08	3269.08	3269.08	3269.08	3269.08	3269.08	3269.08	3269.08	3269.08	3269.08	3269.08
G 60.0	3294.23	3294.23	3294.23	3294.23	3294.23	3294.23	3294.23	3294.23	3294.23	3294.23	3294.23	3294.23	3294.23
G 65.0	3334.57	3334.57	3334.57	3334.57	3334.57	3334.57	3334.57	3334.57	3334.57	3334.57	3334.57	3334.57	3334.57
G 70.0	3397.59	3397.59	3397.59	3397.59	3397.59	3397.59	3397.59	3397.59	3397.59	3397.59	3397.59	3397.59	3397.59
G 75.0	3495.94	3495.94	3495.94	3495.94	3495.94	3495.94	3495.94	3495.94	3495.94	3495.94	3495.94	3495.94	3495.94
G 80.0	3645.51	3645.51	3645.51	3645.51	3645.51	3645.51	3645.51	3645.51	3645.51	3645.51	3645.51	3645.51	3645.51
G 85.0	3919.34	3919.34	3919.34	3919.34	3919.34	3919.34	3919.34	3919.34	3919.34	3919.34	3919.34	3919.34	3919.34
G 90.0	4654.21	4654.21	4654.21	4654.21	4654.21	4654.21	4654.21	4654.21	4654.21	4654.21	4654.21	4654.21	4654.21

Luminaria

Código 15-A126-05-F9_3000K

Nombre SPARK

Ensayo

Código 15-A126-05-F9_3000K

Nombre SPARK

Flujo Luminaria	652 lm	Potencia Luminaria	16.0 W	Eficacia	40.756 lm/W	Eficiencia	100.00%
Flujo Fuente	652 lm	Valor Máximo	223.47 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	3374.14	3374.14	3374.14	3374.14	3374.14	3374.14	3374.14	3374.14	3374.14	3374.14	3374.14	3374.14	3374.14
G 5.0	3319.41	3319.41	3319.41	3319.41	3319.41	3319.41	3319.41	3319.41	3319.41	3319.41	3319.41	3319.41	3319.41
G 10.0	3300.22	3300.22	3300.22	3300.22	3300.22	3300.22	3300.22	3300.22	3300.22	3300.22	3300.22	3300.22	3300.22
G 15.0	3286.81	3286.81	3286.81	3286.81	3286.81	3286.81	3286.81	3286.81	3286.81	3286.81	3286.81	3286.81	3286.81
G 20.0	3275.83	3275.83	3275.83	3275.83	3275.83	3275.83	3275.83	3275.83	3275.83	3275.83	3275.83	3275.83	3275.83
G 25.0	3266.07	3266.07	3266.07	3266.07	3266.07	3266.07	3266.07	3266.07	3266.07	3266.07	3266.07	3266.07	3266.07
G 30.0	3257.93	3257.93	3257.93	3257.93	3257.93	3257.93	3257.93	3257.93	3257.93	3257.93	3257.93	3257.93	3257.93
G 35.0	3251.68	3251.68	3251.68	3251.68	3251.68	3251.68	3251.68	3251.68	3251.68	3251.68	3251.68	3251.68	3251.68
G 40.0	3248.38	3248.38	3248.38	3248.38	3248.38	3248.38	3248.38	3248.38	3248.38	3248.38	3248.38	3248.38	3248.38
G 45.0	3248.28	3248.28	3248.28	3248.28	3248.28	3248.28	3248.28	3248.28	3248.28	3248.28	3248.28	3248.28	3248.28
G 50.0	3254.40	3254.40	3254.40	3254.40	3254.40	3254.40	3254.40	3254.40	3254.40	3254.40	3254.40	3254.40	3254.40
G 55.0	3269.08	3269.08	3269.08	3269.08	3269.08	3269.08	3269.08	3269.08	3269.08	3269.08	3269.08	3269.08	3269.08
G 60.0	3294.23	3294.23	3294.23	3294.23	3294.23	3294.23	3294.23	3294.23	3294.23	3294.23	3294.23	3294.23	3294.23
G 65.0	3334.57	3334.57	3334.57	3334.57	3334.57	3334.57	3334.57	3334.57	3334.57	3334.57	3334.57	3334.57	3334.57
G 70.0	3397.59	3397.59	3397.59	3397.59	3397.59	3397.59	3397.59	3397.59	3397.59	3397.59	3397.59	3397.59	3397.59
G 75.0	3495.94	3495.94	3495.94	3495.94	3495.94	3495.94	3495.94	3495.94	3495.94	3495.94	3495.94	3495.94	3495.94
G 80.0	3645.51	3645.51	3645.51	3645.51	3645.51	3645.51	3645.51	3645.51	3645.51	3645.51	3645.51	3645.51	3645.51
G 85.0	3919.34	3919.34	3919.34	3919.34	3919.34	3919.34	3919.34	3919.34	3919.34	3919.34	3919.34	3919.34	3919.34
G 90.0	4654.21	4654.21	4654.21	4654.21	4654.21	4654.21	4654.21	4654.21	4654.21	4654.21	4654.21	4654.21	4654.21

Luminaria

Código 15-A126-05-F9_3000K

Nombre SPARK

Ensayo

Código 15-A126-05-F9_3000K

Nombre SPARK

Flujo Luminaria	652 lm	Potencia Luminaria	16.0 W	Eficacia	40.756 lm/W	Eficiencia	100.00%
Flujo Fuente	652 lm	Valor Máximo	223.47 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	3374.14	3374.14	3374.14	3374.14	3374.14	3374.14	3374.14	3374.14	3374.14	3374.14
G 5.0	3319.41	3319.41	3319.41	3319.41	3319.41	3319.41	3319.41	3319.41	3319.41	3319.41
G 10.0	3300.22	3300.22	3300.22	3300.22	3300.22	3300.22	3300.22	3300.22	3300.22	3300.22
G 15.0	3286.81	3286.81	3286.81	3286.81	3286.81	3286.81	3286.81	3286.81	3286.81	3286.81
G 20.0	3275.83	3275.83	3275.83	3275.83	3275.83	3275.83	3275.83	3275.83	3275.83	3275.83
G 25.0	3266.07	3266.07	3266.07	3266.07	3266.07	3266.07	3266.07	3266.07	3266.07	3266.07
G 30.0	3257.93	3257.93	3257.93	3257.93	3257.93	3257.93	3257.93	3257.93	3257.93	3257.93
G 35.0	3251.68	3251.68	3251.68	3251.68	3251.68	3251.68	3251.68	3251.68	3251.68	3251.68
G 40.0	3248.38	3248.38	3248.38	3248.38	3248.38	3248.38	3248.38	3248.38	3248.38	3248.38
G 45.0	3248.28	3248.28	3248.28	3248.28	3248.28	3248.28	3248.28	3248.28	3248.28	3248.28
G 50.0	3254.40	3254.40	3254.40	3254.40	3254.40	3254.40	3254.40	3254.40	3254.40	3254.40
G 55.0	3269.08	3269.08	3269.08	3269.08	3269.08	3269.08	3269.08	3269.08	3269.08	3269.08
G 60.0	3294.23	3294.23	3294.23	3294.23	3294.23	3294.23	3294.23	3294.23	3294.23	3294.23
G 65.0	3334.57	3334.57	3334.57	3334.57	3334.57	3334.57	3334.57	3334.57	3334.57	3334.57
G 70.0	3397.59	3397.59	3397.59	3397.59	3397.59	3397.59	3397.59	3397.59	3397.59	3397.59
G 75.0	3495.94	3495.94	3495.94	3495.94	3495.94	3495.94	3495.94	3495.94	3495.94	3495.94
G 80.0	3645.51	3645.51	3645.51	3645.51	3645.51	3645.51	3645.51	3645.51	3645.51	3645.51
G 85.0	3919.34	3919.34	3919.34	3919.34	3919.34	3919.34	3919.34	3919.34	3919.34	3919.34
G 90.0	4654.21	4654.21	4654.21	4654.21	4654.21	4654.21	4654.21	4654.21	4654.21	4654.21

Luminaria

Código 15-A126-05-F9_3000K

Nombre SPARK

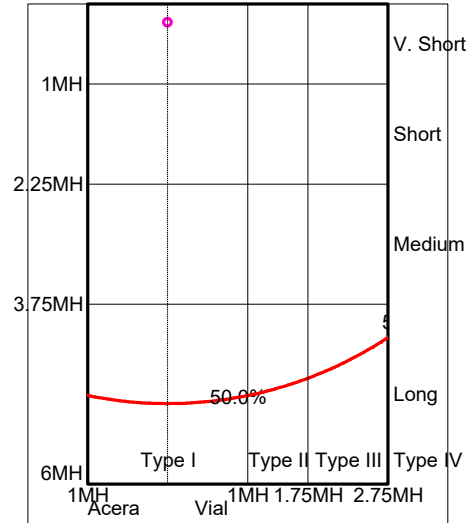
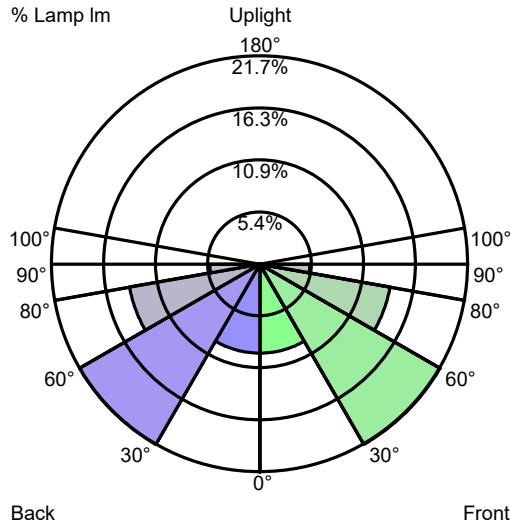
Ensayo

Código 15-A126-05-F9_3000K

Nombre SPARK

Flujo Luminaria	652 lm	Potencia Luminaria	16.0 W	Eficacia	40.756 lm/W	Eficiencia	100.00%
Flujo Fuente	652 lm	Valor Máximo	223.47 cd/klm	Posición	C=0.00 G=13.00	CG	Rotosimétrico

US ROAD STANDARDS



Luminaire Classification System (LCS)			
LCS Zone		Lumens	%Lamp
FL	0° -- 30°	60.5 lm	9.3 %
FM	30° -- 60°	141.6 lm	21.7 %
FH	60° -- 80°	89.9 lm	13.8 %
FVH	80° -- 90°	34.0 lm	5.2 %
BL	0° -- 30°	60.5 lm	9.3 %
BM	30° -- 60°	141.6 lm	21.7 %
BH	60° -- 80°	89.9 lm	13.8 %
BVH	80° -- 90°	34.0 lm	5.2 %
UL	90° -- 100°	0.0 lm	0.0 %
UH	100° -- 180°	0.0 lm	0.0 %
TOTALS		652.1 lm	100.0 %
BUG B0 U0 G1 Type V Very Short Quadrilateral Symmetry			