

Luminaria

Código 15-A125-05-F9_3000K

Nombre SPARK

Ensayo

Código 15-A125-05-F9_3000K

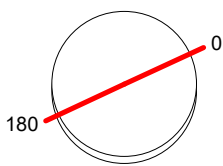
Nombre SPARK

Flujo Luminaria	424 lm	Potencia Luminaria	10.0 W	Eficacia	42.350 lm/W	Eficiencia	100.00%
Flujo Fuente	424 lm	Valor Máximo	181.06 cd/klm	Posición	C=0.00 G=34.00	CG	Rotosimétrico
Luminaria Redonda		Diam.	135 mm	Altura	135 mm		
Área Luminosa Redonda		Diam.	135 mm	Altura	108 mm		
Área Luminosa Horizontal		0.014314 m ²		Área Emisión sobre Pl. 180°		0.014580 m ²	
Área Emisión sobre Pl. 0°		0.014580 m ²		Área Emisión sobre Pl. 270°		0.014580 m ²	
Área Emisión sobre Pl. 90°		0.014580 m ²		Área de deslumbramiento a 76°		0.017610 m ²	
Sist. de Coorden.		CG		Tipo de Simetría		Rotosimétrico	
Fecha		14-09-2022		Máximo Ángulo Gamma		90	
Distancia de Ensayo		0.00		Flujo de Ensayo		424 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.
			423.50	10.00	1
C.I.E.	28 55 79 100 100	D DIN 5040	A10		
F UTE	1.00 J	B NBN	BZ 7		

Diam=135mm



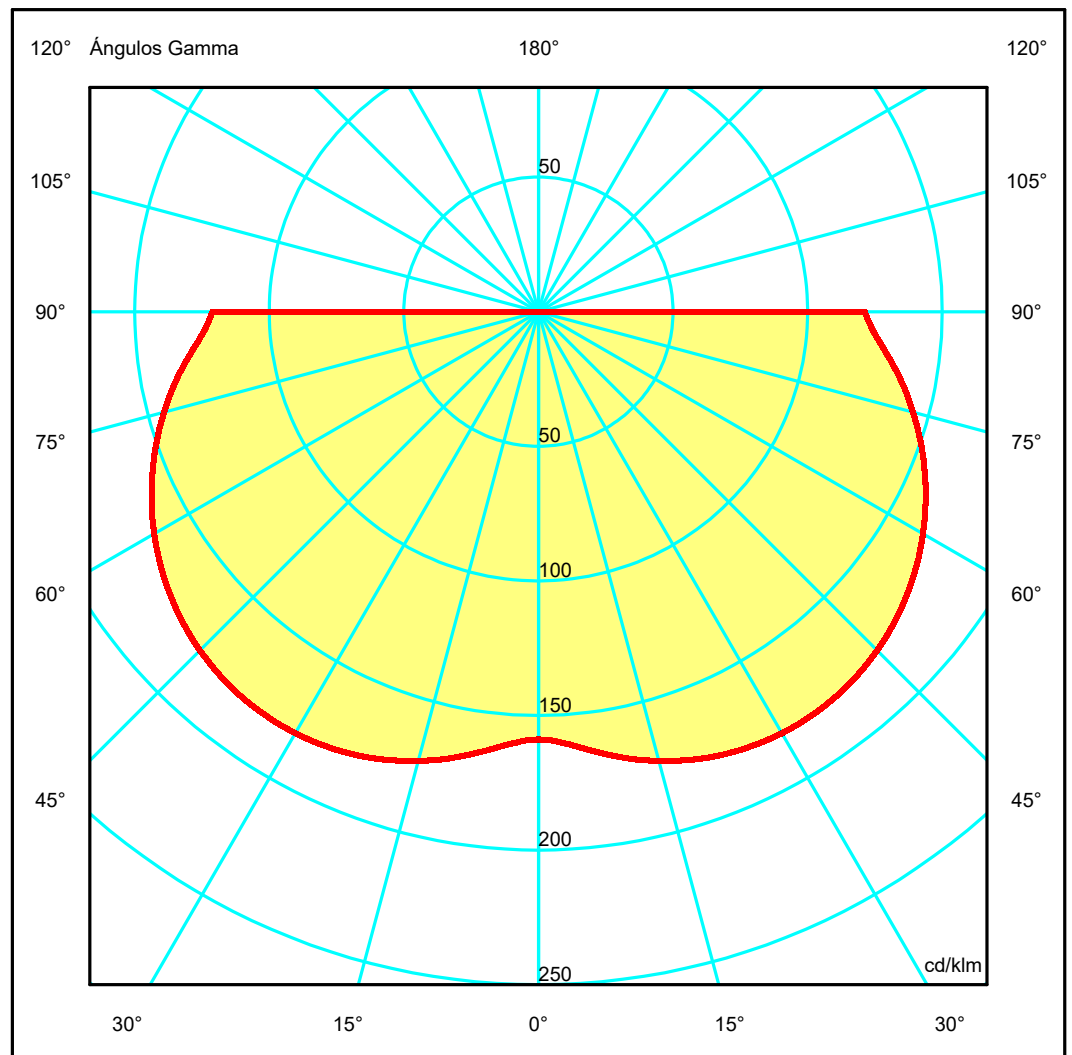
Semiplanos C

180.0 — 0.0

ULOR 0.00 %

DLOR100.00 %

RN 0.00 %



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Tabla de Intensidad Luminosa cd/klm
Tabla 1/1

	C 0.00	C 0.00
G 0.0	158.83	G 46.0 177.32
G 1.0	159.00	G 47.0 176.71
G 2.0	159.48	G 48.0 176.05
G 3.0	160.23	G 49.0 175.36
G 4.0	161.06	G 50.0 174.60
G 5.0	162.13	G 51.0 173.85
G 6.0	163.18	G 52.0 172.99
G 7.0	164.40	G 53.0 172.15
G 8.0	165.50	G 54.0 171.21
G 9.0	166.66	G 55.0 170.28
G 10.0	167.76	G 56.0 169.27
G 11.0	168.81	G 57.0 168.24
G 12.0	169.89	G 58.0 167.18
G 13.0	170.84	G 59.0 166.05
G 14.0	171.86	G 60.0 164.93
G 15.0	172.72	G 61.0 163.72
G 16.0	173.63	G 62.0 162.54
G 17.0	174.41	G 63.0 161.26
G 18.0	175.21	G 64.0 160.01
G 19.0	175.94	G 65.0 158.69
G 20.0	176.61	G 66.0 157.35
G 21.0	177.26	G 67.0 155.99
G 22.0	177.83	G 68.0 154.57
G 23.0	178.40	G 69.0 153.17
G 24.0	178.86	G 70.0 151.68
G 25.0	179.32	G 71.0 150.23
G 26.0	179.69	G 72.0 148.70
G 27.0	180.04	G 73.0 147.20
G 28.0	180.32	G 74.0 145.63
G 29.0	180.57	G 75.0 144.06
G 30.0	180.76	G 76.0 142.46
G 31.0	180.91	G 77.0 140.80
G 32.0	181.01	G 78.0 139.18
G 33.0	181.05	G 79.0 137.47
G 34.0	181.06	G 80.0 135.80
G 35.0	181.00	G 81.0 134.04
G 36.0	180.90	G 82.0 132.30
G 37.0	180.76	G 83.0 130.50
G 38.0	180.56	G 84.0 128.75
G 39.0	180.32	G 85.0 127.06
G 40.0	180.03	G 86.0 125.51
G 41.0	179.69	G 87.0 124.14
G 42.0	179.32	G 88.0 122.98
G 43.0	178.87	G 89.0 122.02
G 44.0	178.41	G 90.0 121.19
G 45.0	177.88	

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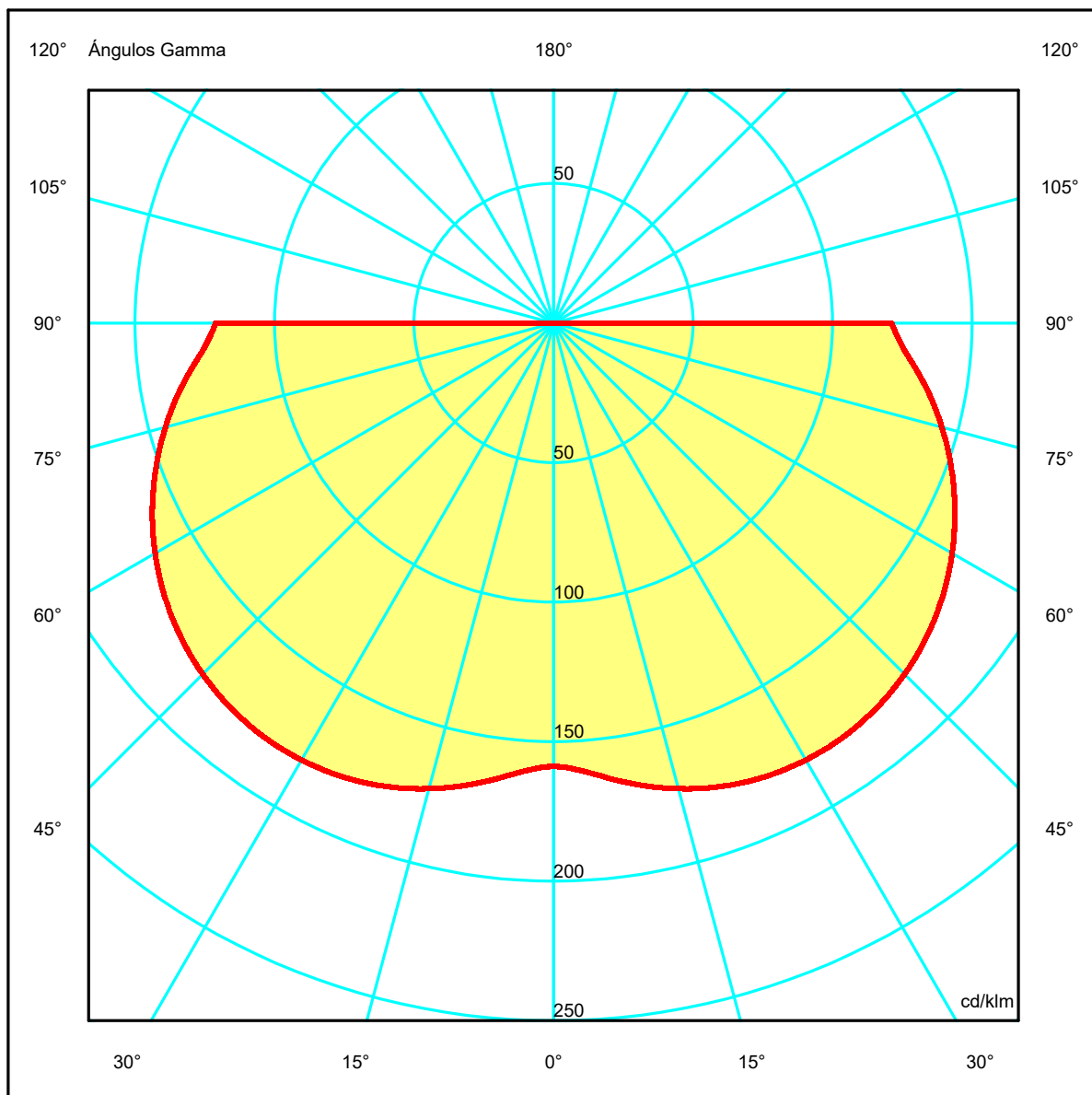
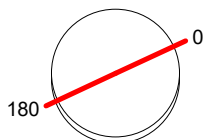
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Diam=135mm

Semiplanos C

180.0  0.0



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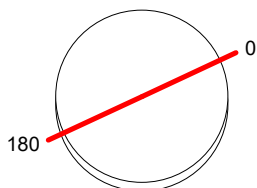
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UGR
S = 0.250

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	16.9	18.6	17.2	18.8	19.1	16.9	18.6	17.2	18.8	19.1
x=2H y=3H	19.2	20.7	19.6	21.0	21.3	19.2	20.7	19.6	21.0	21.3
x=2H y=4H	20.4	21.8	20.7	22.1	22.5	20.4	21.8	20.7	22.1	22.5
x=2H y=6H	21.5	22.9	21.9	23.2	23.5	21.5	22.9	21.9	23.2	23.5
x=2H y=8H	22.0	23.4	22.4	23.7	24.1	22.0	23.4	22.4	23.7	24.1
x=2H y=12H	22.5	23.8	22.9	24.2	24.5	22.5	23.8	22.9	24.2	24.5
x=4H y=2H	17.8	19.3	18.1	19.6	19.9	17.8	19.3	18.1	19.6	19.9
x=4H y=3H	20.3	21.6	20.7	21.9	22.3	20.3	21.6	20.7	21.9	22.3
x=4H y=4H	21.6	22.8	22.0	23.2	23.6	21.6	22.8	22.0	23.2	23.6
x=4H y=6H	22.9	24.0	23.3	24.4	24.8	22.9	24.0	23.3	24.4	24.8
x=4H y=8H	23.5	24.6	24.0	25.0	25.4	23.5	24.6	24.0	25.0	25.4
x=4H y=12H	24.2	25.1	24.6	25.5	26.0	24.2	25.1	24.6	25.5	26.0
x=8H y=4H	22.2	23.2	22.6	23.6	24.0	22.2	23.2	22.6	23.6	24.0
x=8H y=6H	23.7	24.6	24.2	25.0	25.5	23.7	24.6	24.2	25.0	25.5
x=8H y=8H	24.5	25.3	25.0	25.7	26.2	24.5	25.3	25.0	25.7	26.2
x=8H y=12H	25.3	26.0	25.8	26.5	27.0	25.3	26.0	25.8	26.5	27.0
x=12H y=4H	22.3	23.2	22.7	23.6	24.1	22.3	23.2	22.7	23.6	24.1
x=12H y=6H	23.9	24.7	24.4	25.2	25.6	23.9	24.7	24.4	25.2	25.6
x=12H y=8H	24.8	25.5	25.3	26.0	26.5	24.8	25.5	25.3	26.0	26.5

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Flujo Total=423.50 Flujo Luminaria=423.50

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	0.18	0.24	0.30	0.36	0.41	0.50	0.56	0.61	0.67	0.72	0.82	0.90
RC	9	8	8	8	8	8	8	8	8	8	8	8

Flujo Zonal por 1000 Lúmenes

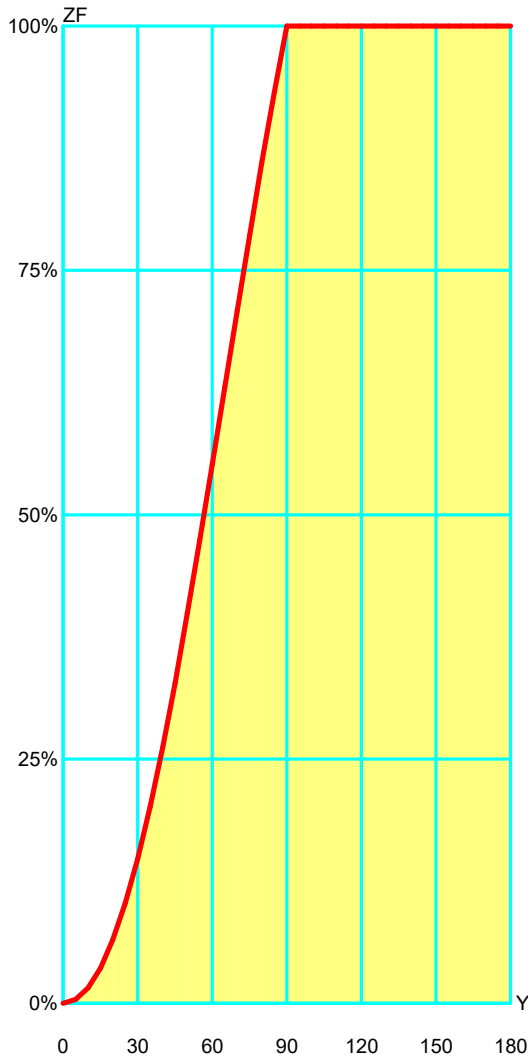
Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	16	65	148	261	399	551	709	861	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

Códigos de Flujo C.I.E.

28 55 79 100 100

C.I.E.	9/8/8/8/8/8/8/8/8/8
D DIN 5040	A10
F UTE	1.00 J
B NBN	BZ 7
RN	0.00000 %
BLF	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°	3.84	3.84	0.38 %	0.38 %
10°	11.82	15.66	1.18 %	1.57 %
15°	20.23	35.89	2.02 %	3.59 %
20°	28.82	64.71	2.88 %	6.47 %
25°	37.36	102.07	3.74 %	10.21 %
30°	45.60	147.67	4.56 %	14.77 %
35°	53.30	200.97	5.33 %	20.10 %
40°	60.26	261.23	6.03 %	26.12 %
45°	66.30	327.53	6.63 %	32.75 %
50°	71.26	398.79	7.13 %	39.88 %
55°	75.02	473.80	7.50 %	47.38 %
60°	77.50	551.30	7.75 %	55.13 %
65°	78.69	629.99	7.87 %	63.00 %
70°	78.61	708.61	7.86 %	70.86 %
75°	77.32	785.93	7.73 %	78.59 %
80°	74.90	860.83	7.49 %	86.08 %
85°	71.41	932.23	7.14 %	93.22 %
90°	67.77	1000.00	6.78 %	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	235	211	196	177	201	169	117	99	99	84	51	38	17	11	78	41	36	14	11	35	12	10	0
0.80	274	252	215	199	239	190	147	128	116	102	62	50	22	16	95	52	47	19	16	45	16	14	0
1.00	301	280	224	209	266	200	171	152	126	113	71	58	28	21	106	60	55	24	20	52	21	19	0
1.25	324	305	226	214	290	206	194	177	134	122	78	66	34	27	115	68	63	29	26	60	26	24	0
1.50	340	323	225	215	307	207	213	196	138	128	83	73	39	32	121	74	69	34	31	66	31	28	0
2.00	359	345	217	210	329	203	241	226	141	133	90	81	47	41	126	81	78	43	39	74	39	36	0
2.50	370	359	208	203	342	197	262	248	142	135	95	87	54	48	129	87	83	50	46	80	46	43	0
3.00	378	367	201	196	351	191	277	264	141	136	98	91	59	53	129	90	87	55	52	84	51	48	0
4.00	387	379	189	186	362	181	298	287	139	135	101	96	67	62	129	95	92	63	60	89	60	57	0
5.00	391	385	180	177	369	173	312	302	137	134	104	99	73	68	129	98	96	69	66	92	66	63	0
10.00	399	395	155	154	379	151	343	338	129	127	107	105	87	84	123	103	102	84	82	99	81	78	0
20.00	400	398	137	136	382	135	361	358	121	121	108	107	96	94	117	105	105	93	92	102	90	88	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	526	513	477	467	506	462	399	391	373	367	313	308	269	267	363	308	307	268	267	306	267	266	247
0.80	611	597	544	534	587	527	478	468	440	433	377	372	331	328	428	372	370	329	327	368	327	326	304
1.00	677	663	593	584	650	576	542	532	492	485	430	424	381	378	479	423	421	379	377	418	377	376	350
1.25	741	728	640	633	713	623	608	597	545	538	484	477	435	431	530	476	473	432	430	470	429	427	399
1.50	793	781	678	671	763	661	663	651	587	581	528	522	480	476	572	520	517	476	474	513	473	471	440
2.00	867	857	730	724	836	714	744	733	649	643	595	589	549	544	633	585	583	544	542	577	540	537	502
2.50	923	913	769	764	890	754	807	796	696	691	646	640	602	598	679	635	633	597	595	627	592	588	551
3.00	966	958	800	797	933	786	856	847	733	729	687	682	646	642	717	676	674	640	638	667	635	630	591
4.00	1000	1000	854	851	1000	841	937	928	796	793	755	751	719	715	780	744	742	712	709	734	705	700	657
5.00	1000	1000	897	895	1000	886	999	992	846	843	810	806	776	773	830	798	797	769	767	788	762	755	711
10.00	1000	1000	1000	1000	1000	1000	1000	1000	1000	999	976	974	953	950	986	964	963	943	942	953	934	926	876
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

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	499	485	465	454	476	448	346	338	333	326	255	250	199	197	322	250	249	198	197	247	197	196	176
0.80	597	582	550	539	569	529	433	423	413	405	330	324	268	265	398	323	321	266	264	318	264	263	241
1.00	676	660	616	605	643	593	508	495	480	471	395	388	330	326	461	386	383	327	325	379	324	322	299
1.25	754	737	679	669	716	655	584	570	547	538	463	454	395	391	525	451	448	391	389	442	387	385	362
1.50	814	798	727	717	773	702	645	631	599	591	517	508	450	445	576	504	501	444	442	494	440	436	413
2.00	903	889	796	788	859	772	742	727	680	672	603	595	539	533	654	588	585	531	528	576	525	520	498
2.50	964	952	841	835	918	818	811	797	736	729	665	657	604	598	709	648	645	595	592	634	587	581	559
3.00	1000	997	874	869	961	852	863	850	777	771	711	704	654	647	750	694	691	643	640	678	634	627	606
4.00	1000	1000	916	913	1000	895	935	923	832	827	775	769	724	718	805	756	753	711	708	739	700	691	671
5.00	1000	1000	944	940	1000	924	983	972	868	864	818	812	771	766	841	798	795	758	755	780	745	734	716
10.00	1000	1000	1000	1000	1000	987	1000	1000	953	951	920	917	889	885	926	898	897	871	869	878	855	840	825
20.00	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	985	983	966	963	980	963	962	946	945	942	928	910	897

LM53 SHR C0-C180: 1.693 SHR C90-C270: 1.693 SHR Superficial: 1.827

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Apertura a la derecha no hallada, gamma =34

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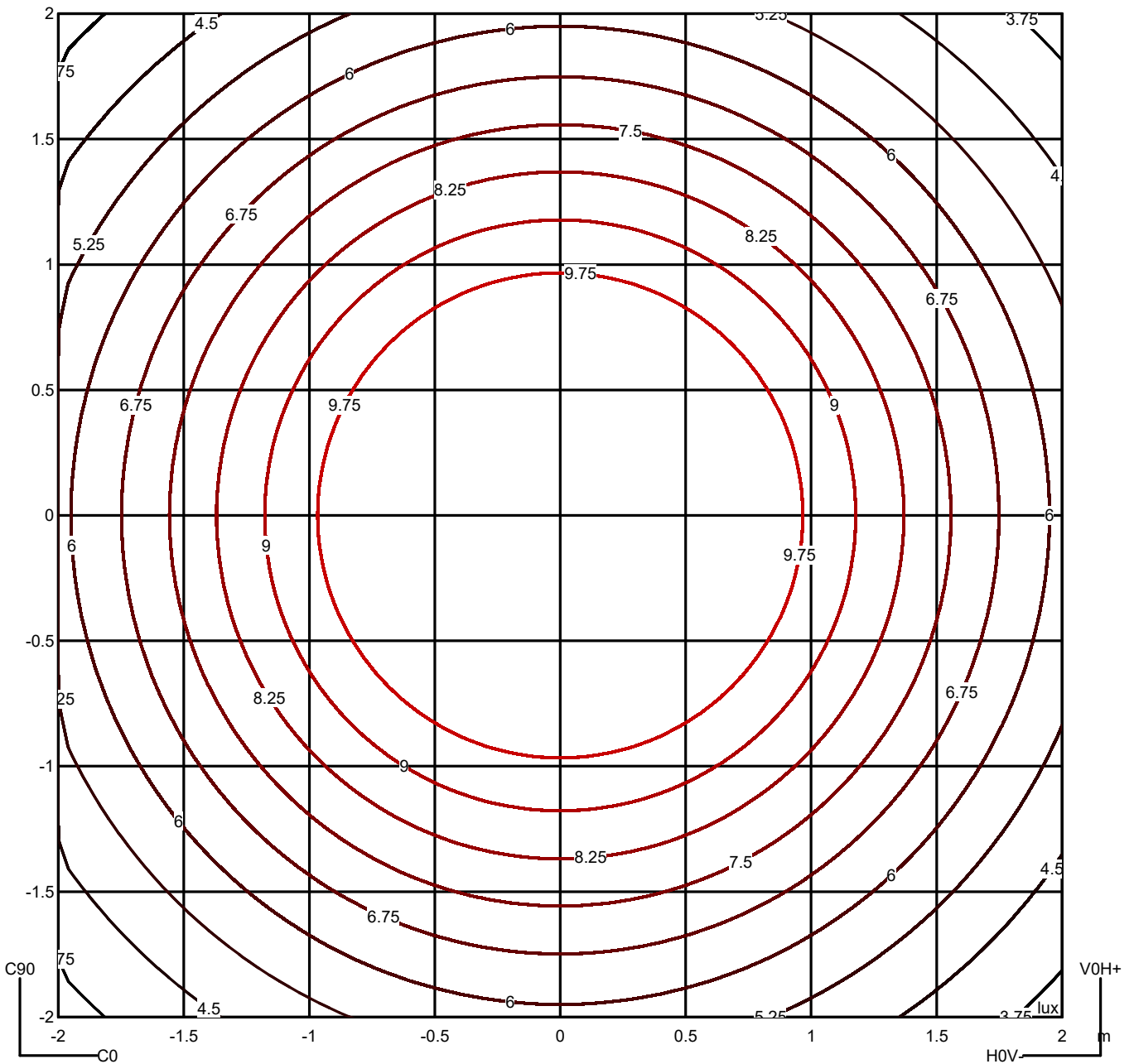
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Isolux (Suelo)

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



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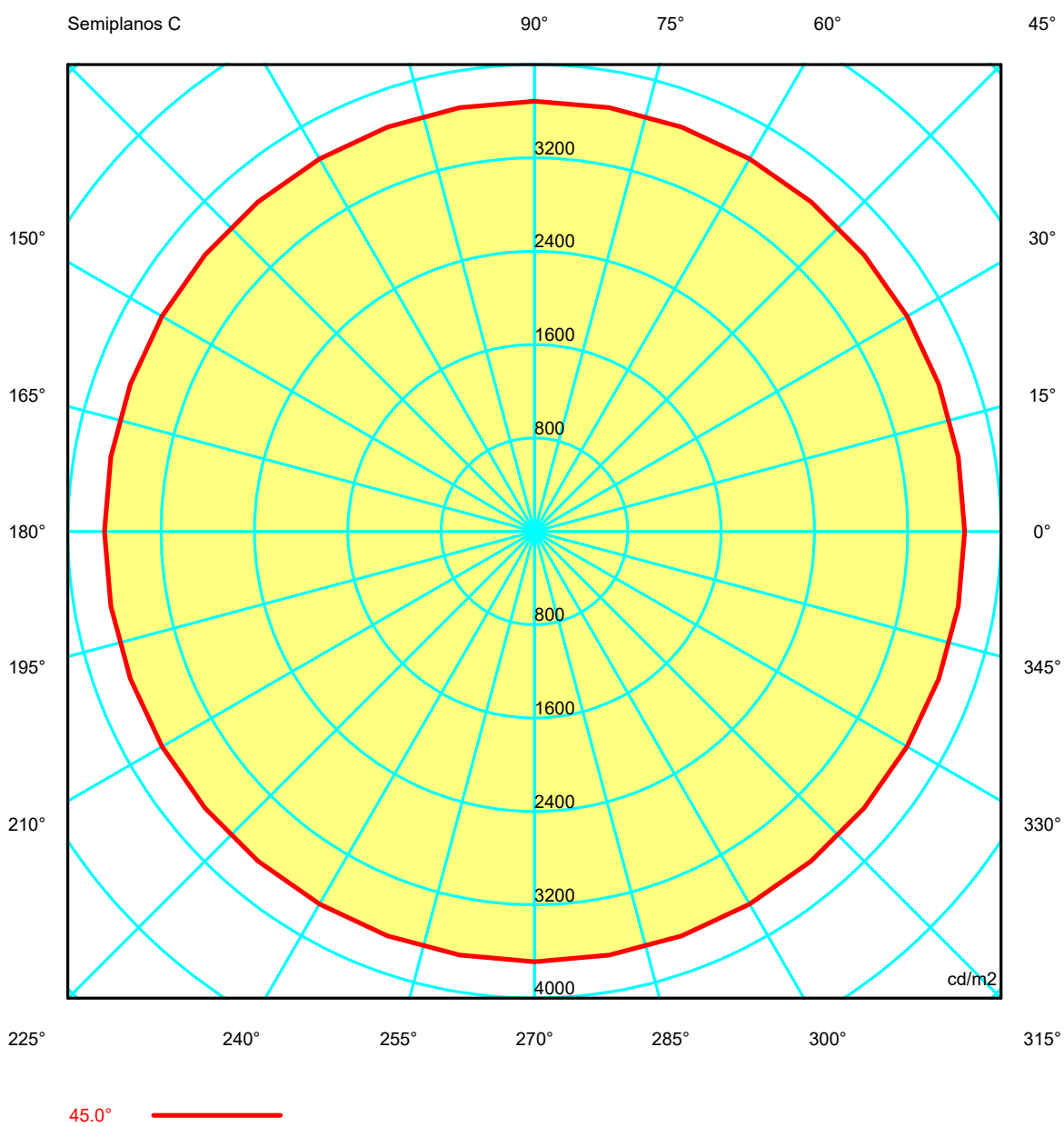
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Luminaria

Código 15-A125-05-F9_3000K

Nombre SPARK

Ensayo

Código 15-A125-05-F9_3000K

Nombre SPARK

Flujo Luminaria	424 lm	Potencia Luminaria	10.0 W	Eficacia	42.350 lm/W	Eficiencia	100.00%
Flujo Fuente	424 lm	Valor Máximo	181.06 cd/klm	Posición	C=0.00 G=34.00	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	4699.15	4699.15	4699.15	4699.15	4699.15	4699.15	4699.15	4699.15	4699.15	4699.15	4699.15	4699.15	4699.15
G 5.0	4421.33	4421.33	4421.33	4421.33	4421.33	4421.33	4421.33	4421.33	4421.33	4421.33	4421.33	4421.33	4421.33
G 10.0	4272.54	4272.54	4272.54	4272.54	4272.54	4272.54	4272.54	4272.54	4272.54	4272.54	4272.54	4272.54	4272.54
G 15.0	4156.14	4156.14	4156.14	4156.14	4156.14	4156.14	4156.14	4156.14	4156.14	4156.14	4156.14	4156.14	4156.14
G 20.0	4056.61	4056.61	4056.61	4056.61	4056.61	4056.61	4056.61	4056.61	4056.61	4056.61	4056.61	4056.61	4056.61
G 25.0	3968.80	3968.80	3968.80	3968.80	3968.80	3968.80	3968.80	3968.80	3968.80	3968.80	3968.80	3968.80	3968.80
G 30.0	3888.61	3888.61	3888.61	3888.61	3888.61	3888.61	3888.61	3888.61	3888.61	3888.61	3888.61	3888.61	3888.61
G 35.0	3815.95	3815.95	3815.95	3815.95	3815.95	3815.95	3815.95	3815.95	3815.95	3815.95	3815.95	3815.95	3815.95
G 40.0	3749.02	3749.02	3749.02	3749.02	3749.02	3749.02	3749.02	3749.02	3749.02	3749.02	3749.02	3749.02	3749.02
G 45.0	3687.09	3687.09	3687.09	3687.09	3687.09	3687.09	3687.09	3687.09	3687.09	3687.09	3687.09	3687.09	3687.09
G 50.0	3630.12	3630.12	3630.12	3630.12	3630.12	3630.12	3630.12	3630.12	3630.12	3630.12	3630.12	3630.12	3630.12
G 55.0	3578.28	3578.28	3578.28	3578.28	3578.28	3578.28	3578.28	3578.28	3578.28	3578.28	3578.28	3578.28	3578.28
G 60.0	3530.70	3530.70	3530.70	3530.70	3530.70	3530.70	3530.70	3530.70	3530.70	3530.70	3530.70	3530.70	3530.70
G 65.0	3488.68	3488.68	3488.68	3488.68	3488.68	3488.68	3488.68	3488.68	3488.68	3488.68	3488.68	3488.68	3488.68
G 70.0	3454.25	3454.25	3454.25	3454.25	3454.25	3454.25	3454.25	3454.25	3454.25	3454.25	3454.25	3454.25	3454.25
G 75.0	3429.80	3429.80	3429.80	3429.80	3429.80	3429.80	3429.80	3429.80	3429.80	3429.80	3429.80	3429.80	3429.80
G 80.0	3414.24	3414.24	3414.24	3414.24	3414.24	3414.24	3414.24	3414.24	3414.24	3414.24	3414.24	3414.24	3414.24
G 85.0	3411.66	3411.66	3411.66	3411.66	3411.66	3411.66	3411.66	3411.66	3411.66	3411.66	3411.66	3411.66	3411.66
G 90.0	3520.25	3520.25	3520.25	3520.25	3520.25	3520.25	3520.25	3520.25	3520.25	3520.25	3520.25	3520.25	3520.25

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Flujo Luminaria	424 lm	Potencia Luminaria	10.0 W	Eficacia	42.350 lm/W	Eficiencia	100.00%
Flujo Fuente	424 lm	Valor Máximo	181.06 cd/klm	Posición	C=0.00 G=34.00	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	4699.15	4699.15	4699.15	4699.15	4699.15	4699.15	4699.15	4699.15	4699.15	4699.15	4699.15	4699.15	4699.15
G 5.0	4421.33	4421.33	4421.33	4421.33	4421.33	4421.33	4421.33	4421.33	4421.33	4421.33	4421.33	4421.33	4421.33
G 10.0	4272.54	4272.54	4272.54	4272.54	4272.54	4272.54	4272.54	4272.54	4272.54	4272.54	4272.54	4272.54	4272.54
G 15.0	4156.14	4156.14	4156.14	4156.14	4156.14	4156.14	4156.14	4156.14	4156.14	4156.14	4156.14	4156.14	4156.14
G 20.0	4056.61	4056.61	4056.61	4056.61	4056.61	4056.61	4056.61	4056.61	4056.61	4056.61	4056.61	4056.61	4056.61
G 25.0	3968.80	3968.80	3968.80	3968.80	3968.80	3968.80	3968.80	3968.80	3968.80	3968.80	3968.80	3968.80	3968.80
G 30.0	3888.61	3888.61	3888.61	3888.61	3888.61	3888.61	3888.61	3888.61	3888.61	3888.61	3888.61	3888.61	3888.61
G 35.0	3815.95	3815.95	3815.95	3815.95	3815.95	3815.95	3815.95	3815.95	3815.95	3815.95	3815.95	3815.95	3815.95
G 40.0	3749.02	3749.02	3749.02	3749.02	3749.02	3749.02	3749.02	3749.02	3749.02	3749.02	3749.02	3749.02	3749.02
G 45.0	3687.09	3687.09	3687.09	3687.09	3687.09	3687.09	3687.09	3687.09	3687.09	3687.09	3687.09	3687.09	3687.09
G 50.0	3630.12	3630.12	3630.12	3630.12	3630.12	3630.12	3630.12	3630.12	3630.12	3630.12	3630.12	3630.12	3630.12
G 55.0	3578.28	3578.28	3578.28	3578.28	3578.28	3578.28	3578.28	3578.28	3578.28	3578.28	3578.28	3578.28	3578.28
G 60.0	3530.70	3530.70	3530.70	3530.70	3530.70	3530.70	3530.70	3530.70	3530.70	3530.70	3530.70	3530.70	3530.70
G 65.0	3488.68	3488.68	3488.68	3488.68	3488.68	3488.68	3488.68	3488.68	3488.68	3488.68	3488.68	3488.68	3488.68
G 70.0	3454.25	3454.25	3454.25	3454.25	3454.25	3454.25	3454.25	3454.25	3454.25	3454.25	3454.25	3454.25	3454.25
G 75.0	3429.80	3429.80	3429.80	3429.80	3429.80	3429.80	3429.80	3429.80	3429.80	3429.80	3429.80	3429.80	3429.80
G 80.0	3414.24	3414.24	3414.24	3414.24	3414.24	3414.24	3414.24	3414.24	3414.24	3414.24	3414.24	3414.24	3414.24
G 85.0	3411.66	3411.66	3411.66	3411.66	3411.66	3411.66	3411.66	3411.66	3411.66	3411.66	3411.66	3411.66	3411.66
G 90.0	3520.25	3520.25	3520.25	3520.25	3520.25	3520.25	3520.25	3520.25	3520.25	3520.25	3520.25	3520.25	3520.25

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Flujo Luminaria	424 lm	Potencia Luminaria	10.0 W	Eficacia	42.350 lm/W	Eficiencia	100.00%
Flujo Fuente	424 lm	Valor Máximo	181.06 cd/klm	Posición	C=0.00 G=34.00	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	4699.15	4699.15	4699.15	4699.15	4699.15	4699.15	4699.15	4699.15	4699.15	4699.15
G 5.0	4421.33	4421.33	4421.33	4421.33	4421.33	4421.33	4421.33	4421.33	4421.33	4421.33
G 10.0	4272.54	4272.54	4272.54	4272.54	4272.54	4272.54	4272.54	4272.54	4272.54	4272.54
G 15.0	4156.14	4156.14	4156.14	4156.14	4156.14	4156.14	4156.14	4156.14	4156.14	4156.14
G 20.0	4056.61	4056.61	4056.61	4056.61	4056.61	4056.61	4056.61	4056.61	4056.61	4056.61
G 25.0	3968.80	3968.80	3968.80	3968.80	3968.80	3968.80	3968.80	3968.80	3968.80	3968.80
G 30.0	3888.61	3888.61	3888.61	3888.61	3888.61	3888.61	3888.61	3888.61	3888.61	3888.61
G 35.0	3815.95	3815.95	3815.95	3815.95	3815.95	3815.95	3815.95	3815.95	3815.95	3815.95
G 40.0	3749.02	3749.02	3749.02	3749.02	3749.02	3749.02	3749.02	3749.02	3749.02	3749.02
G 45.0	3687.09	3687.09	3687.09	3687.09	3687.09	3687.09	3687.09	3687.09	3687.09	3687.09
G 50.0	3630.12	3630.12	3630.12	3630.12	3630.12	3630.12	3630.12	3630.12	3630.12	3630.12
G 55.0	3578.28	3578.28	3578.28	3578.28	3578.28	3578.28	3578.28	3578.28	3578.28	3578.28
G 60.0	3530.70	3530.70	3530.70	3530.70	3530.70	3530.70	3530.70	3530.70	3530.70	3530.70
G 65.0	3488.68	3488.68	3488.68	3488.68	3488.68	3488.68	3488.68	3488.68	3488.68	3488.68
G 70.0	3454.25	3454.25	3454.25	3454.25	3454.25	3454.25	3454.25	3454.25	3454.25	3454.25
G 75.0	3429.80	3429.80	3429.80	3429.80	3429.80	3429.80	3429.80	3429.80	3429.80	3429.80
G 80.0	3414.24	3414.24	3414.24	3414.24	3414.24	3414.24	3414.24	3414.24	3414.24	3414.24
G 85.0	3411.66	3411.66	3411.66	3411.66	3411.66	3411.66	3411.66	3411.66	3411.66	3411.66
G 90.0	3520.25	3520.25	3520.25	3520.25	3520.25	3520.25	3520.25	3520.25	3520.25	3520.25

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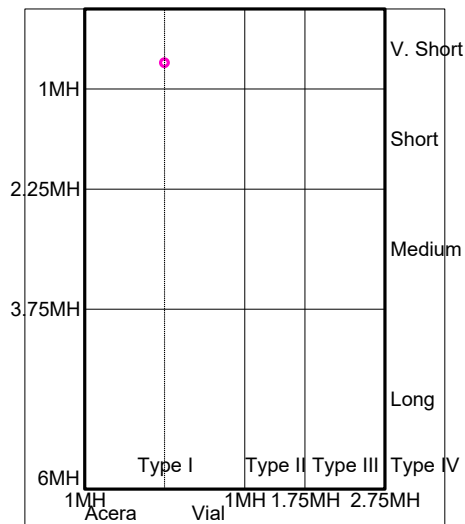
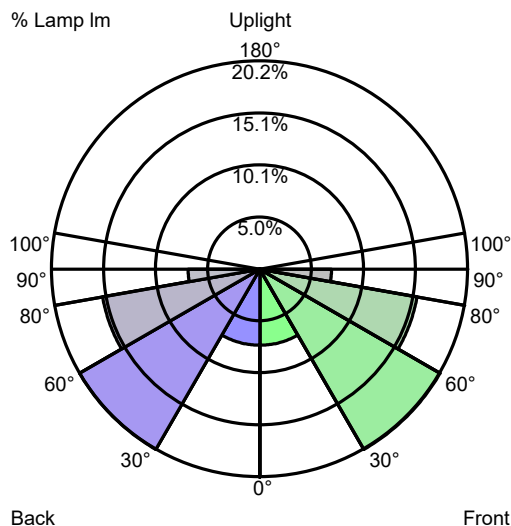
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Flujo Luminaria	424 lm	Potencia Luminaria	10.0 W	Eficacia	42.350 lm/W	Eficiencia	100.00%
Flujo Fuente	424 lm	Valor Máximo	181.06 cd/klm	Posición	C=0.00 G=34.00	CG	Rotosimétrico

US ROAD STANDARDS



Luminaire Classification System (LCS)			
LCS Zone		Lumens	%Lamp %Lum
FL	0° -- 30°	31.3 lm	7.4 % 7.4 %
FM	30° -- 60°	85.5 lm	20.2 % 20.2 %
FH	60° -- 80°	65.6 lm	15.5 % 15.5 %
FVH	80° -- 90°	29.4 lm	7.0 % 7.0 %
BL	0° -- 30°	31.3 lm	7.4 % 7.4 %
BM	30° -- 60°	85.5 lm	20.2 % 20.2 %
BH	60° -- 80°	65.6 lm	15.5 % 15.5 %
BVH	80° -- 90°	29.4 lm	7.0 % 7.0 %
UL	90° -- 100°	0.0 lm	0.0 % 0.0 %
UH	100° -- 180°	0.0 lm	0.0 % 0.0 %
TOTALS		423.5 lm	100.0 % 100.0 %
BUG B0 U0 G1 Type V Very Short Quadrilateral Symmetry			