

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P560024

Luminaire Tested: **SDL-PA1-20-740-U-SL3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560024
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-20-740-U-SL3-A
Description: Springdale
(1) 70 CRI, 4000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2563.6 lumens
Efficiency: N/A
Efficacy: 122.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 1.08')
IES Classification: Type III - Medium
BUG Rating: B1 - U2 - G2

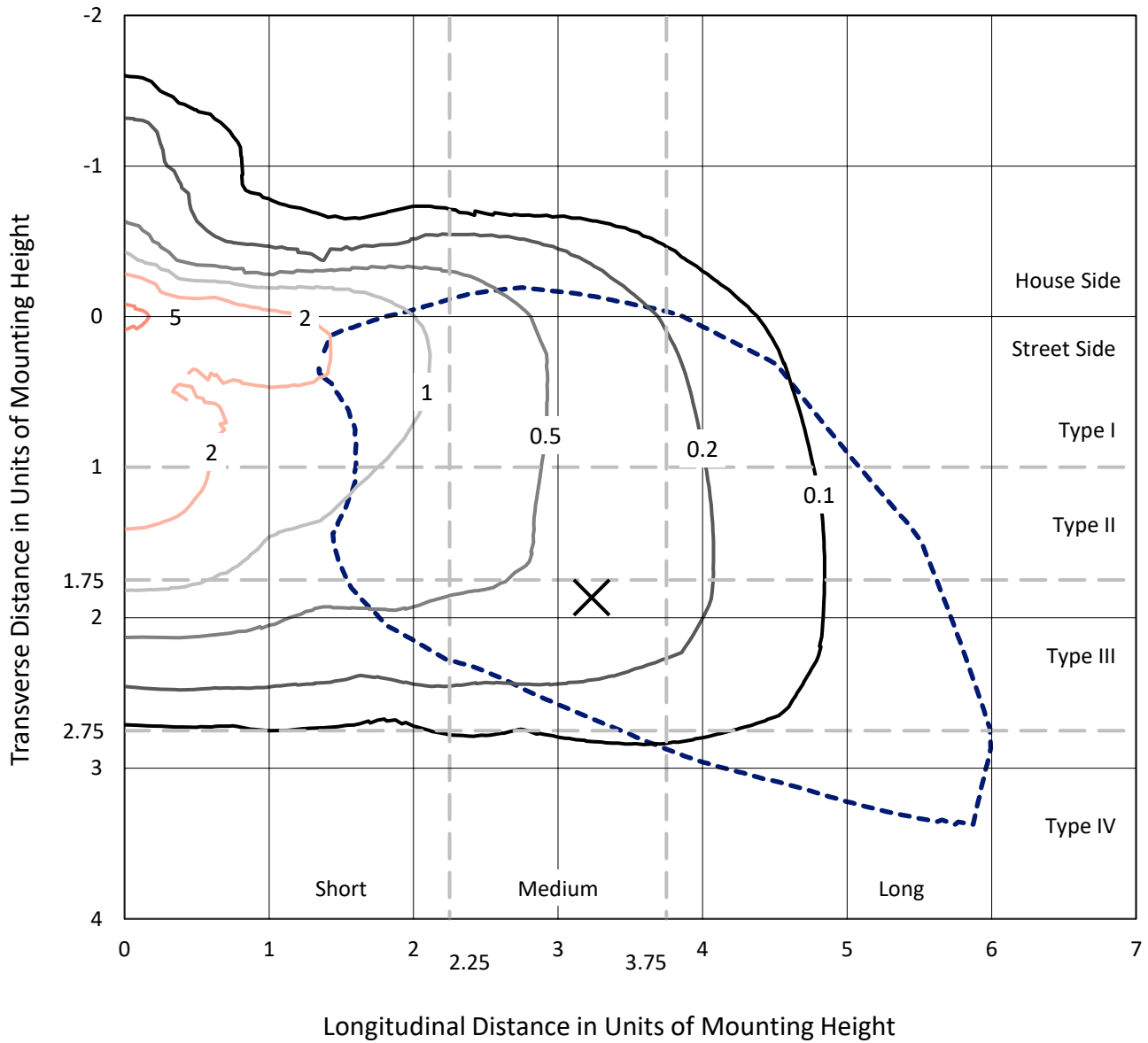
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

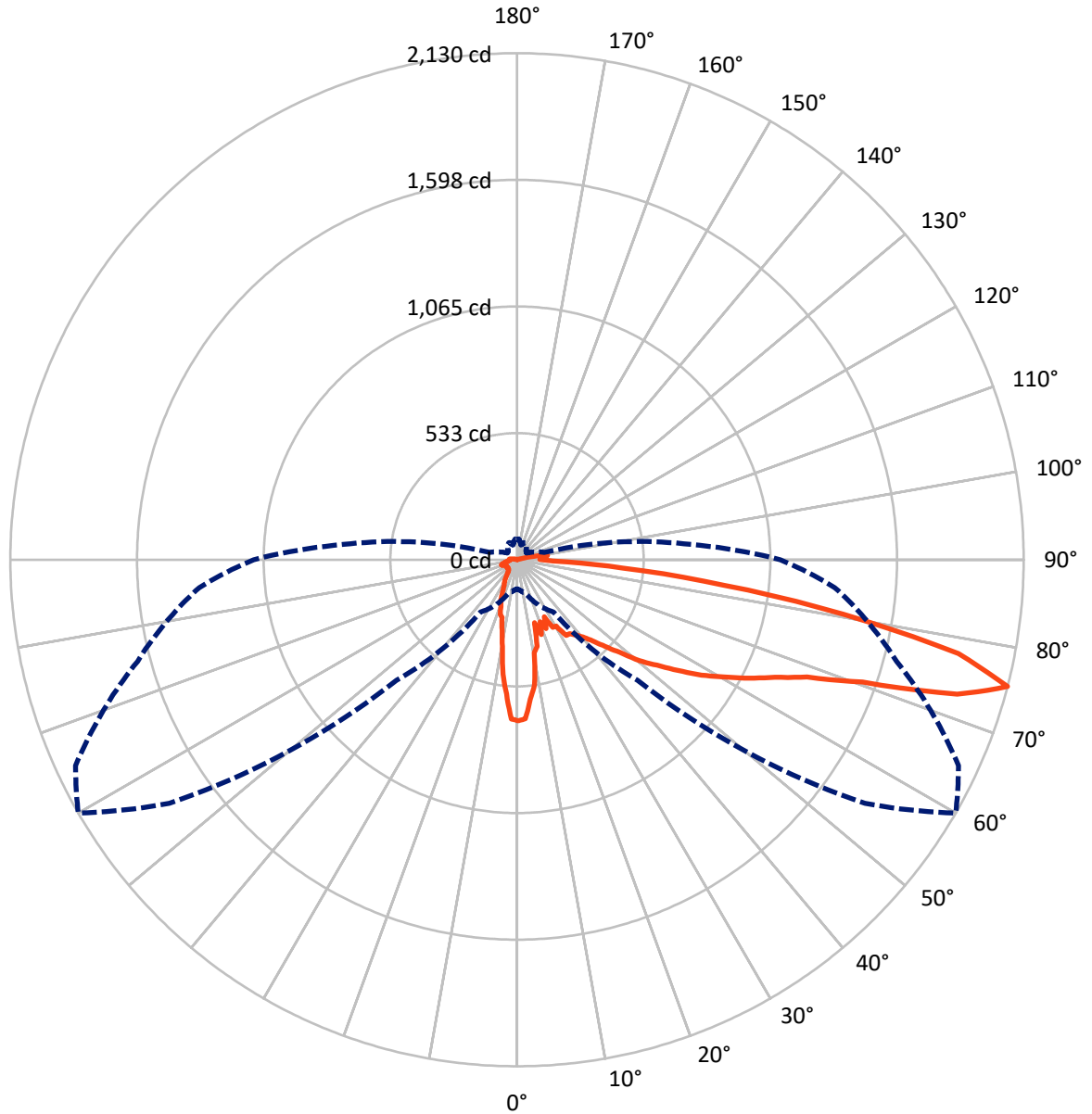
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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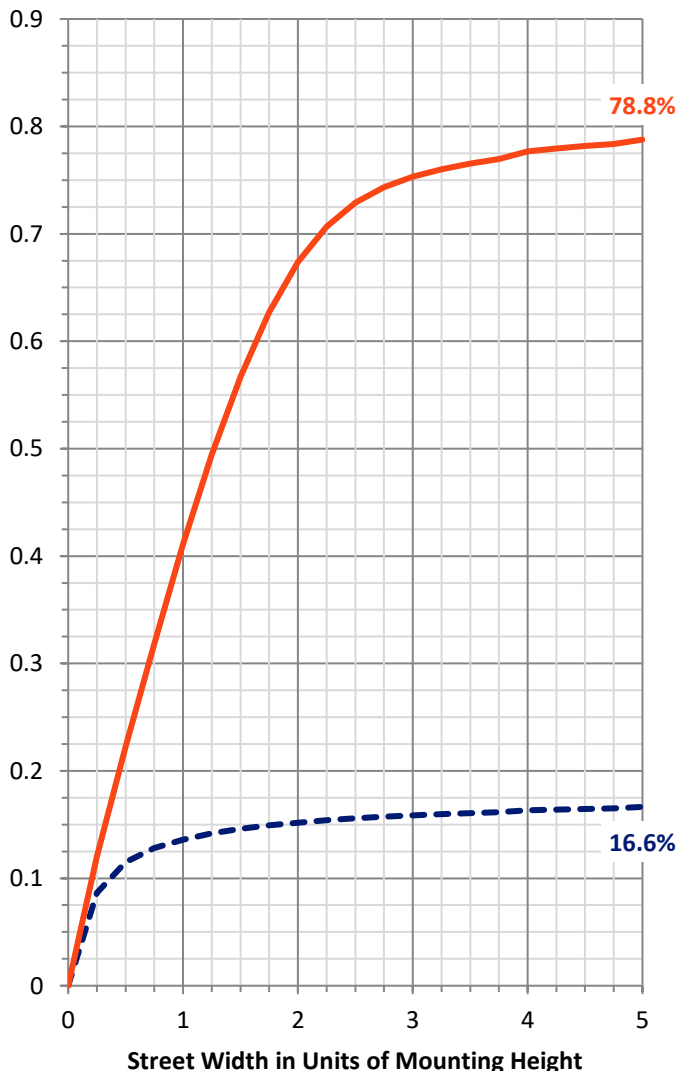
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	450.0	34.1	484.2
	% Fixture	17.6	1.3	18.9
Street Side	Lumens	2043.3	36.1	2079.4
	% Fixture	79.7	1.4	81.1
Total	Lumens	2493.4	70.2	2563.6
	% Fixture	97.3	2.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.8	1.9
10°-20°	88.7	3.5
20°-30°	114.9	4.5
30°-40°	191.5	7.5
40°-50°	306.6	12.0
50°-60°	470.7	18.4
60°-70°	588.1	22.9
70°-80°	536.4	20.9
80°-90°	146.8	5.7
90°-100°	49.3	1.9
100°-110°	11.2	0.4
110°-120°	3.6	0.1
120°-130°	3.3	0.1
130°-140°	1.6	0.1
140°-150°	0.7	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2493.4	97.3
0°-180°	2563.6	100.0

Coefficient of Utilization



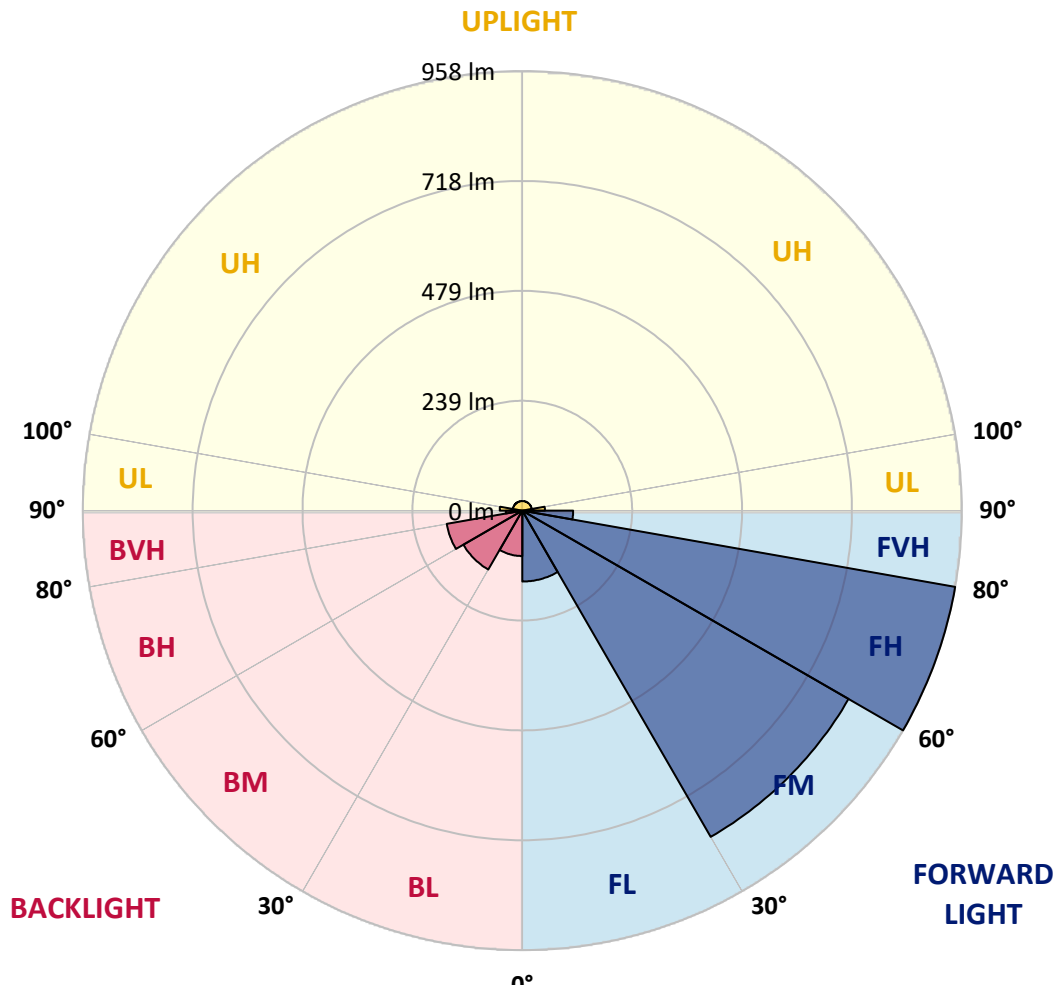
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	154.4	6.0			
FM (30°-60°)	820.6	32.0			
FH (60°-80°)	957.5	37.4			G1/1800
FVH (80°-90°)	110.8	4.3			G2/225
BL (0°-30°)	98.9	3.9	B0/110		
BM (30°-60°)	148.1	5.8	B0/220		
BH (60°-80°)	167.0	6.5	B1/500		G1/500
BVH (80°-90°)	36.0	1.4			G1/100
UL (90°-100°)	49.3	1.9		U2/50	
UH (100°-180°)	20.9	0.8		U2/50	

BUG Rating: B1-U2-G2
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	677	677	677	677	677	677	677	677	677	677	677
2.5°	568	621	616	657	657	666	670	669	673	677	676
5°	523	524	528	537	540	543	553	588	647	661	661
7.5°	432	456	486	491	509	518	529	531	491	563	570
10°	438	439	437	448	435	430	395	397	401	428	482
12.5°	343	363	406	426	394	359	357	374	381	341	425
15°	392	394	395	396	294	341	298	274	307	387	440
17.5°	307	309	356	355	324	262	324	331	318	329	368
20°	360	361	358	278	284	321	279	278	294	379	428
22.5°	296	292	291	318	289	309	271	314	341	338	323
25°	371	370	355	277	296	262	317	266	295	409	428
27.5°	347	333	308	320	276	307	282	322	340	420	496
30°	449	439	410	323	305	283	302	323	387	541	567
32.5°	593	582	478	396	320	335	318	379	427	552	572
35°	637	622	571	480	367	356	339	382	433	581	581
37.5°	662	661	637	530	414	408	365	401	457	609	603
40°	666	671	682	574	470	457	399	427	491	643	631
42.5°	699	708	733	632	526	514	439	465	528	693	690
45°	752	761	783	696	575	567	504	520	588	781	753
47.5°	862	864	855	749	628	628	567	582	642	862	835
50°	972	960	920	812	681	696	632	667	703	944	907
52.5°	1033	1031	977	860	727	756	707	737	759	1027	975
55°	1035	1032	995	883	770	818	782	821	837	1092	1068
57.5°	1002	1010	991	896	791	878	873	915	923	1169	1132
60°	950	949	972	908	823	935	957	1000	1043	1228	1189
62.5°	820	829	894	908	858	1009	1051	1096	1149	1282	1240
65°	642	647	749	842	868	1108	1146	1191	1247	1337	1297
67.5°	388	421	509	693	817	1227	1297	1316	1348	1399	1381
70°	221	231	273	436	682	1265	1575	1541	1508	1520	1486
72.5°	168	174	193	258	408	1117	1809	1935	1793	1646	1483
75°	122	128	147	208	268	716	1785	2130	2048	1652	1341
77.5°	76	77	88	177	241	359	1397	1897	1933	1543	1112
80°	53	54	56	95	222	288	938	1393	1444	1074	567
82.5°	38	40	42	56	144	275	584	877	773	389	230
85°	20	22	27	34	58	299	350	446	353	158	137
87.5°	8	7	6	9	16	115	136	150	116	89	109
90°	7	6	4	5	7	41	86	96	80	87	110
92.5°	7	6	4	4	7	41	103	105	83	89	115
95°	7	7	4	4	7	37	122	120	86	94	122
97.5°	7	7	3	4	7	25	126	130	84	67	101
100°	7	7	3	3	6	16	88	95	62	22	25
102.5°	7	7	3	3	4	11	39	47	37	7	8
105°	7	8	2	2	3	6	17	19	15	5	9
107.5°	8	9	2	2	2	3	6	7	4	4	9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	7	6	1	2	2	2	2	2	2	4	10
115°	4	3	1	2	2	2	1	2	3	4	9
117.5°	4	3	1	1	1	2	1	1	3	5	11
120°	3	3	1	1	1	1	1	2	2	7	15
122.5°	3	3	1	1	1	1	1	2	2	7	15
125°	4	4	2	1	1	1	1	2	2	6	14
127.5°	3	3	2	1	1	1	1	2	2	5	11
130°	3	3	2	1	1	1	1	2	1	5	9
132.5°	3	3	2	1	1	1	1	1	1	3	7
135°	3	3	2	1	1	1	1	1	1	2	5
137.5°	2	2	1	1	1	1	1	1	1	1	2
140°	0	1	1	1	1	1	1	1	1	1	1
142.5°	1	1	1	1	1	1	1	1	1	1	1
145°	1	1	1	1	2	1	1	1	1	1	1
147.5°	1	1	1	2	2	2	1	1	1	1	1
150°	2	2	4	3	2	1	1	1	1	1	1
152.5°	4	4	4	3	1	1	2	3	1	1	1
155°	3	3	3	1	1	1	1	1	2	3	3
157.5°	0	0	1	1	1	1	1	1	1	1	1
160°	0	0	0	1	1	1	1	1	1	1	1
162.5°	0	0	0	0	0	0	0	0	0	0	0
165°	0	0	0	0	0	0	0	0	0	0	0
167.5°	0	0	0	0	0	0	0	0	0	0	0
170°	0	0	0	0	0	0	0	0	0	0	0
172.5°	0	0	0	0	0	0	0	0	0	0	0
175°	0	0	0	0	0	0	0	0	0	0	0
177.5°	0	0	0	0	0	0	0	0	0	0	0
180°	0	0	0	0	0	0	0	0	0	0	0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	677	677	677	677	677	677	677	677	677	677	677
2.5°	673	675	673	671	669	663	622	572	568	572	570
5°	656	656	655	586	545	533	530	527	521	518	520
7.5°	566	563	528	466	505	491	483	479	419	397	399
10°	473	473	393	371	369	375	416	413	405	400	405
12.5°	408	425	312	334	271	300	328	348	287	270	273
15°	433	427	343	262	239	252	202	253	249	241	240
17.5°	378	347	286	246	236	178	173	179	164	150	157
20°	411	394	303	219	182	162	122	114	145	152	151
22.5°	343	286	248	218	147	116	92	101	108	115	118
25°	403	372	271	163	119	85	83	75	113	129	128
27.5°	465	421	261	153	86	73	67	76	79	89	95
30°	520	467	302	142	72	55	60	62	77	83	83
32.5°	518	454	270	121	59	50	50	59	68	82	83
35°	517	444	241	94	52	44	46	56	68	76	77
37.5°	529	441	212	76	47	42	44	53	73	81	81
40°	547	443	183	65	45	41	42	56	66	73	73
42.5°	602	472	158	60	45	40	40	52	67	79	80
45°	643	495	139	60	44	38	42	52	59	87	93
47.5°	709	537	121	60	44	37	39	51	62	100	104
50°	775	579	113	60	44	36	44	49	62	104	107
52.5°	845	631	108	60	44	38	48	59	67	93	92
55°	917	677	105	62	44	38	52	55	57	72	74
57.5°	984	733	111	62	43	40	49	54	50	63	64
60°	1037	784	126	60	42	40	50	59	56	69	71
62.5°	1098	838	161	61	42	41	56	64	57	68	72
65°	1178	920	200	67	43	43	57	69	57	67	67
67.5°	1268	996	200	78	46	46	57	73	61	67	67
70°	1334	1000	165	86	50	49	59	76	62	74	73
72.5°	1261	891	137	85	54	51	67	78	63	84	83
75°	1107	735	119	76	49	52	70	80	64	88	86
77.5°	873	536	101	64	43	50	72	82	66	93	92
80°	423	269	82	54	39	48	72	81	65	96	96
82.5°	191	134	56	37	39	49	74	82	65	94	93
85°	124	92	36	29	39	56	75	78	62	87	87
87.5°	93	64	19	18	43	61	75	72	60	82	80
90°	95	68	20	18	46	62	75	71	58	74	74
92.5°	103	75	23	20	47	56	71	64	54	64	63
95°	112	84	27	23	41	41	56	52	46	49	49
97.5°	82	60	24	25	31	26	37	35	24	22	21
100°	24	20	22	24	22	19	28	27	16	8	8
102.5°	9	10	20	22	17	14	20	22	13	2	3
105°	8	7	14	17	10	8	10	14	8	2	2
107.5°	9	7	7	9	4	4	4	5	3	2	2



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	9	7	4	4	3	3	2	2	3	5	5
115°	10	8	4	3	2	3	2	1	3	7	7
117.5°	12	9	3	3	2	2	2	1	3	9	10
120°	15	11	4	2	2	2	2	1	4	10	11
122.5°	15	12	4	2	2	1	1	2	4	10	11
125°	14	11	4	2	2	1	1	1	5	10	11
127.5°	11	10	4	2	1	1	1	2	4	9	9
130°	9	8	3	2	1	1	1	1	4	7	8
132.5°	7	6	3	2	1	1	1	1	4	7	7
135°	5	5	2	1	1	1	1	1	3	5	6
137.5°	2	2	2	1	1	1	1	1	2	3	3
140°	1	1	1	1	1	1	1	0	1	2	2
142.5°	1	1	1	1	1	1	0	1	1	1	2
145°	1	1	1	1	1	1	0	1	1	1	1
147.5°	1	1	1	1	1	1	0	1	1	1	1
150°	1	1	1	1	1	1	0	1	1	1	1
152.5°	1	1	1	1	1	1	0	1	1	2	2
155°	3	3	3	2	1	0	0	0	1	1	2
157.5°	1	1	1	1	1	1	0	0	1	1	1
160°	1	1	1	1	1	0	0	0	1	1	1
162.5°	0	0	0	0	0	0	0	0	0	0	0
165°	0	0	0	0	0	0	0	0	0	0	0
167.5°	0	0	0	0	0	0	0	0	0	0	0
170°	0	0	0	0	0	0	0	0	0	0	0
172.5°	0	0	0	0	0	0	0	0	0	0	0
175°	0	0	0	0	0	0	0	0	0	0	0
177.5°	0	0	0	0	0	0	0	0	0	0	0
180°	0	0	0	0	0	0	0	0	0	0	0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245982

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Scaled Data Report



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110° | 9 9 2 2 2 3 2 2 3 4 10

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





110°	9	7	4	4	3	3	3	2	2	2	2
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Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)