

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: G3-2106-280-14

Luminaire Tested: **SDL-PA1-20-AMB-U-SL3-HSS-A**

Test Date: 6/28/2021

**Test Information**

Test Method: LM-79-08  
Report Number: G3-2106-280-14  
Test Lab: COOPER LIGHTING SOLUTIONS  
Test Date: 6/28/2021  
Issue Date: 6/28/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: SDL-PA1-20-AMB-U-SL3-HSS-A  
Description: SDL. (1) AMBER, 500MA LIGHT ENGINE WITH 24 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD AND CLEAR PANELS.  
Light Source: (24) CREE AMBER LEDS  
GW CSSRM3.PM-N6N8-A535-1. CREE  
Ballast/Driver: (1) ADVANCE ELECT DRIVER AT 500 mA  
XI100C150V091BSY1

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 990.1 lumens  
Efficiency: N/A  
Efficacy: 31.5 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B0 - U2 - G1

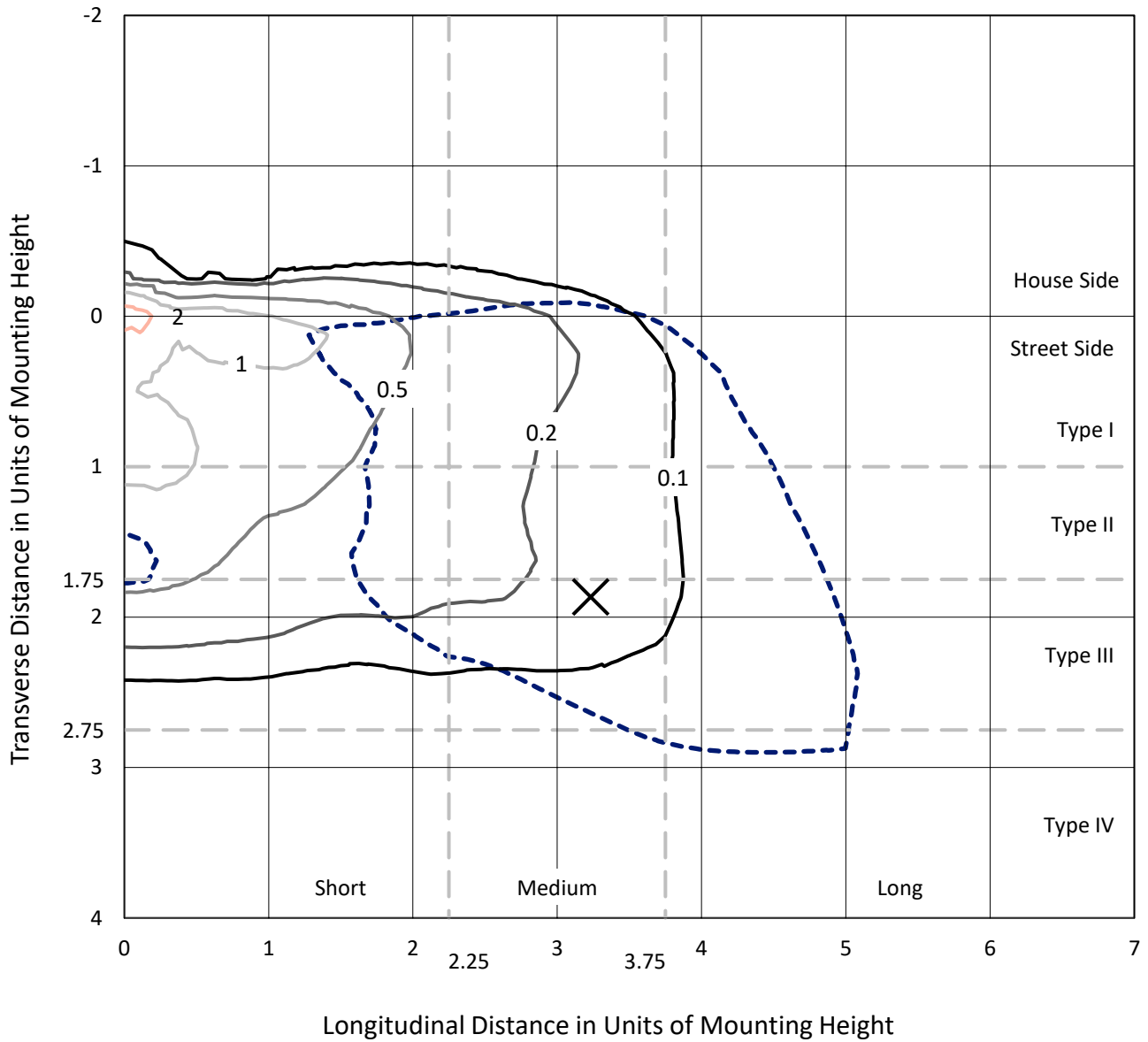
Input Watts (W): 31.4  
Input Voltage (V): 120.0  
Input Current (Ain): 0.267  
Voltage Rise (V): NR  
Power Factor: 0.9808  
Total Harmonic Distortion (THDi): 17.6%  
Frequency (hertz): 60  
Stabilization Time: 0.5 HR  
Operation Time: 3 HR  
Ambient Temperature (°C): 24.1  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

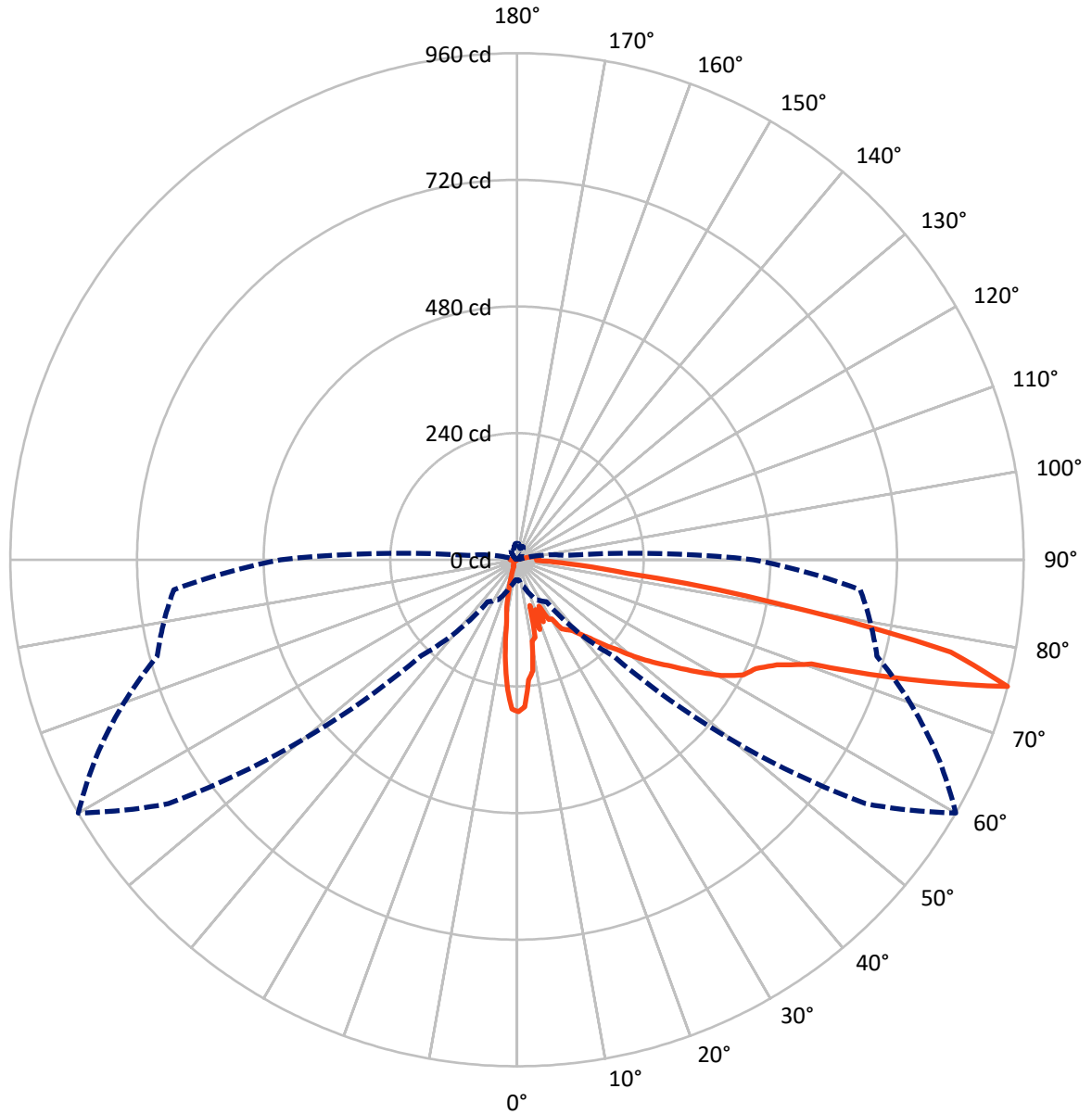
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.9 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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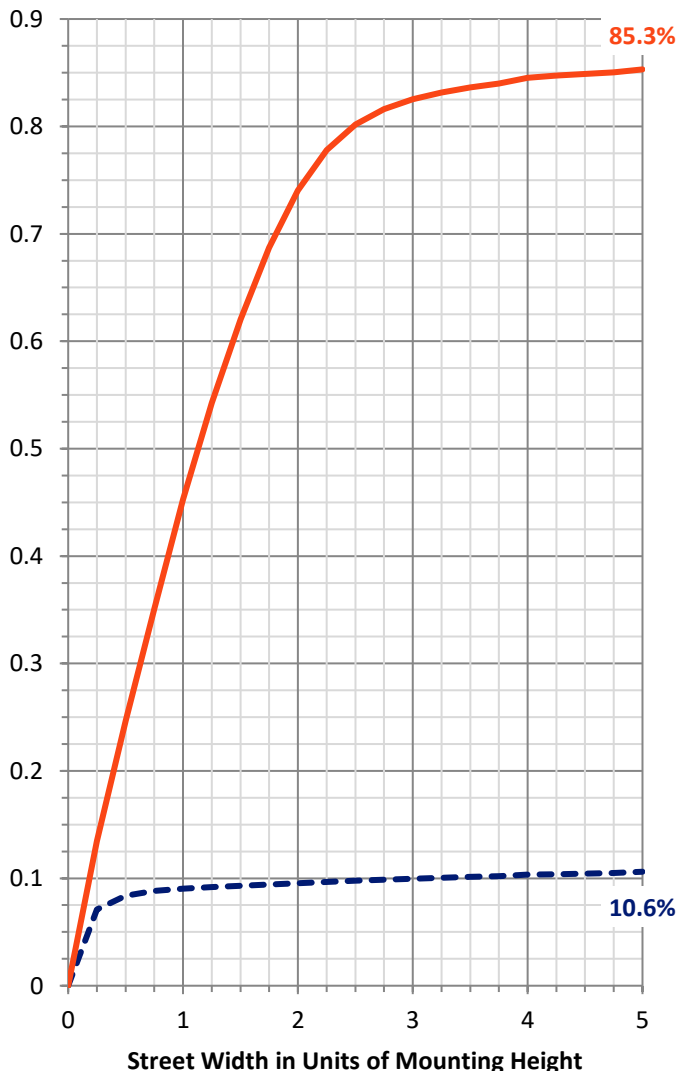
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	114.2	13.1	127.3
	% Fixture	11.5	1.3	12.9
<b>Street Side</b>	Lumens	850.4	12.4	862.8
	% Fixture	85.9	1.3	87.1
<b>Total</b>	Lumens	964.6	25.5	990.1
	% Fixture	97.4	2.6	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	19.5	2.0
10°-20°	29.5	3.0
20°-30°	41.1	4.1
30°-40°	74.7	7.5
40°-50°	124.7	12.6
50°-60°	196.9	19.9
60°-70°	236.6	23.9
70°-80°	201.8	20.4
80°-90°	39.8	4.0
90°-100°	18.8	1.9
100°-110°	3.6	0.4
110°-120°	1.2	0.1
120°-130°	1.0	0.1
130°-140°	0.5	0.0
140°-150°	0.2	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	964.6	97.4
0°-180°	990.1	100.0

**Coefficient of Utilization**



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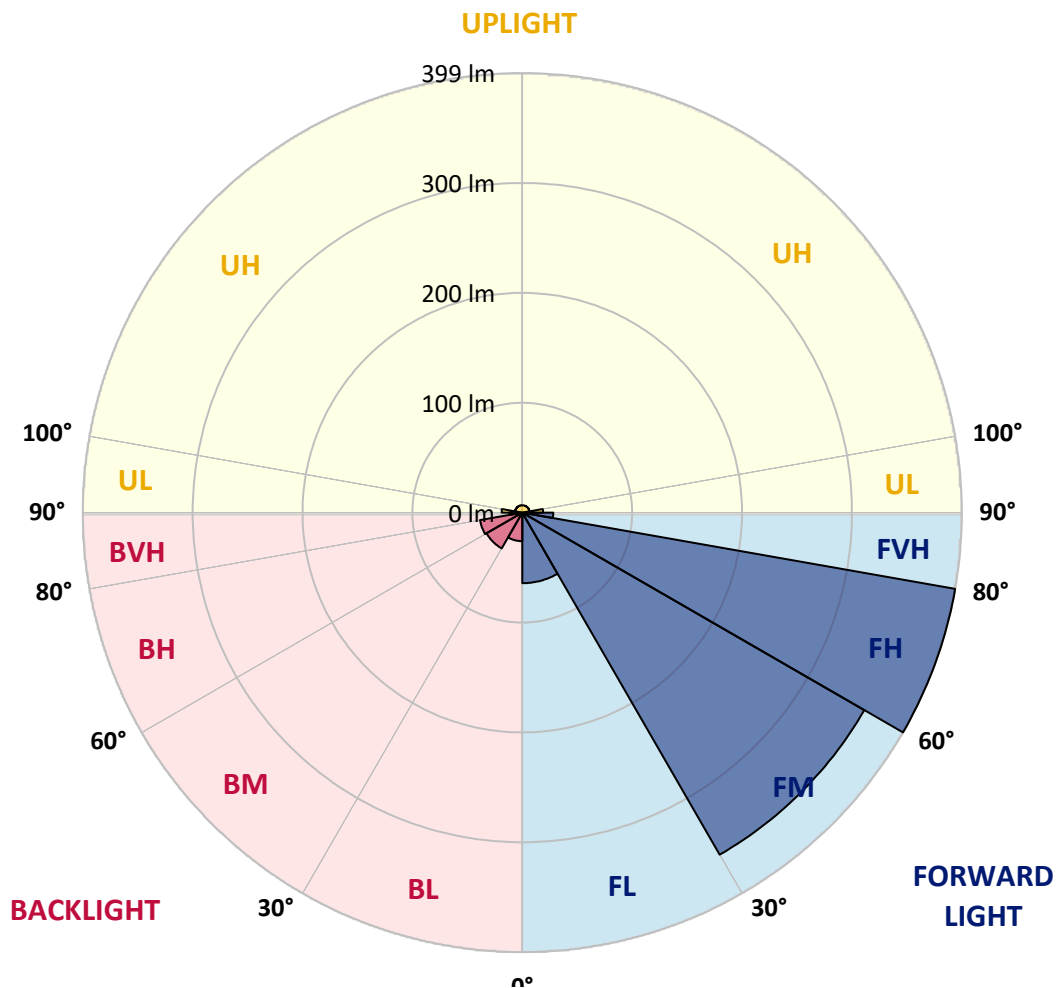
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	64.1	6.5			
FM (30°-60°)	358.8	36.2			
FH (60°-80°)	399.4	40.3			G0/660
FVH (80°-90°)	28.1	2.8			G1/100
BL (0°-30°)	25.9	2.6	B0/110		
BM (30°-60°)	37.5	3.8	B0/220		
BH (60°-80°)	39.0	3.9	B0/110		G0/110
BVH (80°-90°)	11.7	1.2			G1/100
UL (90°-100°)	18.8	1.9		U2/50	
UH (100°-180°)	6.7	0.7		U1/10	

**BUG Rating: B0-U2-G1**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	288	288	288	288	288	288	288	288	288	288	288
2.5°	236	252	268	270	273	276	280	279	283	285	285
5°	217	215	217	218	219	222	225	229	263	273	277
7.5°	166	169	190	200	206	211	213	213	215	256	259
10°	183	179	182	186	186	195	158	157	159	163	198
12.5°	143	144	165	177	170	152	143	151	154	156	165
15°	164	163	165	168	120	146	124	90	141	157	183
17.5°	128	126	129	143	137	105	133	139	125	133	123
20°	152	150	151	130	126	136	128	101	122	153	177
22.5°	128	125	122	134	124	126	133	128	141	108	122
25°	157	154	154	127	126	115	130	97	121	161	183
27.5°	163	161	129	131	125	127	116	128	136	166	224
30°	190	180	170	148	119	115	123	130	165	214	255
32.5°	271	248	216	160	135	139	138	156	175	218	263
35°	295	274	249	199	149	149	145	163	181	226	274
37.5°	302	294	283	225	181	170	156	170	195	240	288
40°	306	303	309	253	206	191	175	186	209	253	305
42.5°	317	315	328	288	233	214	196	203	230	277	331
45°	326	325	345	310	260	242	219	229	256	308	362
47.5°	327	330	353	332	283	274	244	254	284	344	399
50°	361	358	370	355	310	303	278	288	317	391	445
52.5°	439	422	405	368	332	335	312	322	343	430	491
55°	480	469	427	374	345	363	353	356	375	464	528
57.5°	502	489	444	377	352	389	391	400	410	486	544
60°	495	490	456	397	356	414	430	445	449	495	551
62.5°	422	426	435	415	371	435	463	481	476	503	568
65°	309	317	350	394	389	459	485	497	494	518	585
67.5°	173	179	220	321	375	515	517	531	530	542	615
70°	98	101	106	169	284	550	609	592	581	576	679
72.5°	69	71	85	98	144	493	791	775	684	655	746
75°	38	39	54	83	97	258	806	960	879	706	653
77.5°	14	16	21	60	80	114	635	840	838	562	348
80°	8	8	10	24	78	106	328	497	463	245	97
82.5°	4	4	5	10	37	101	124	211	145	53	56
85°	1	1	2	5	9	52	109	96	71	36	51
87.5°	1	1	1	1	4	20	33	37	29	32	47
90°	1	1	1	1	3	22	34	37	30	32	48
92.5°	2	1	1	1	2	23	38	38	30	32	49
95°	2	2	1	1	2	19	48	41	30	32	51
97.5°	3	2	1	1	3	11	51	42	23	16	26
100°	3	3	1	1	2	6	33	31	17	3	3
102.5°	3	3	1	1	1	3	15	17	11	1	3
105°	3	3	1	1	1	1	3	6	4	1	3
107.5°	3	3	1	1	1	1	1	2	2	1	3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	2	2	0	1	1	1	0	1	1	1	3
115°	1	0	0	1	0	1	0	1	1	1	3
117.5°	0	0	0	0	0	0	0	1	1	2	4
120°	0	0	0	0	0	0	0	1	1	2	5
122.5°	0	0	0	0	0	0	0	1	1	2	5
125°	1	0	0	0	0	0	0	1	1	2	4
127.5°	0	0	0	0	0	0	1	1	1	2	4
130°	0	0	0	0	0	0	0	1	1	2	3
132.5°	0	0	0	0	0	0	0	1	1	1	3
135°	0	0	0	0	0	0	0	0	0	1	2
137.5°	0	0	0	0	0	0	0	0	0	0	1
140°	0	0	0	0	0	0	0	0	0	0	1
142.5°	0	0	0	0	0	0	0	0	0	0	1
145°	0	0	0	0	1	1	0	0	0	0	1
147.5°	0	0	1	1	1	0	0	0	0	0	1
150°	1	1	1	1	1	0	1	1	1	0	1
152.5°	2	2	2	1	0	0	0	1	1	1	1
155°	1	1	0	0	0	0	0	1	0	1	2
157.5°	1	0	0	0	0	0	0	0	0	1	1
160°	0	0	0	0	0	0	0	0	0	0	0
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°	288	288	288	288	288	288	288	288	288	288	288
2.5°	286	288	285	284	282	278	277	272	274	272	271
5°	277	277	272	266	212	200	191	184	178	175	178
7.5°	245	235	236	194	172	161	145	137	128	124	123
10°	198	195	150	126	110	114	87	84	78	71	74
12.5°	162	158	121	106	83	63	51	43	36	30	30
15°	181	173	120	79	47	37	21	19	22	22	22
17.5°	122	115	95	59	34	17	16	19	21	20	20
20°	174	157	94	42	19	15	15	13	18	19	19
22.5°	118	102	60	32	13	14	12	16	18	15	15
25°	171	145	75	18	13	11	14	12	16	17	17
27.5°	202	160	62	15	11	12	11	13	12	12	12
30°	226	178	60	14	11	10	10	9	12	12	12
32.5°	228	172	43	15	10	10	8	8	9	10	10
35°	230	168	31	13	10	8	7	7	8	8	8
37.5°	236	163	22	13	9	8	6	6	7	14	14
40°	246	164	18	12	8	7	5	8	11	11	11
42.5°	265	165	18	11	7	6	4	6	9	14	14
45°	287	167	17	11	7	5	3	8	10	12	12
47.5°	308	176	16	10	6	4	5	7	8	13	14
50°	348	185	15	10	5	3	7	6	9	12	12
52.5°	374	196	14	9	4	3	7	6	10	13	14
55°	419	209	14	10	4	3	7	7	8	10	10
57.5°	430	210	13	9	3	3	7	9	8	10	11
60°	443	211	12	7	3	3	8	12	10	13	15
62.5°	465	216	10	7	3	4	9	14	12	16	19
65°	487	222	9	5	2	5	10	18	15	19	21
67.5°	525	236	7	5	2	6	12	21	17	22	22
70°	597	256	6	5	2	7	15	23	19	25	25
72.5°	608	217	5	4	2	8	17	25	21	30	30
75°	448	93	5	5	2	9	19	27	22	31	31
77.5°	183	30	5	5	4	11	21	29	23	32	31
80°	54	18	6	5	7	14	25	31	24	36	35
82.5°	41	16	6	5	8	16	28	32	26	40	41
85°	38	15	5	6	9	18	29	32	28	43	44
87.5°	36	15	6	6	10	20	31	34	30	44	45
90°	38	16	6	7	16	25	32	34	32	42	43
92.5°	40	17	7	8	19	27	31	31	29	35	36
95°	42	18	8	9	18	21	24	25	20	21	21
97.5°	22	12	8	10	11	8	14	15	11	9	9
100°	3	2	8	11	7	5	9	11	8	3	3
102.5°	3	3	6	10	5	3	6	9	7	1	1
105°	3	2	2	7	3	1	3	5	3	1	1
107.5°	3	2	1	4	1	1	1	1	1	1	1



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	3	2	1	1	1	1	1	1	1	3	3
115°	3	2	1	1	1	1	1	0	1	3	4
117.5°	4	3	1	1	1	1	1	0	1	4	4
120°	5	3	1	1	1	1	1	0	1	3	4
122.5°	5	3	1	1	1	0	0	1	2	4	4
125°	4	3	1	1	1	0	0	1	2	3	3
127.5°	4	3	1	1	1	0	0	1	2	3	3
130°	3	3	1	1	1	0	0	0	2	3	3
132.5°	3	2	1	1	1	0	0	0	2	3	3
135°	2	1	1	1	1	0	0	0	1	2	2
137.5°	1	1	1	1	1	0	0	0	0	1	1
140°	1	1	1	1	1	0	0	0	0	1	1
142.5°	1	1	1	1	1	0	0	0	0	0	1
145°	1	1	1	1	0	0	0	0	0	0	0
147.5°	1	1	1	1	0	0	0	0	0	0	0
150°	1	1	1	1	0	0	0	0	0	0	1
152.5°	1	1	1	1	0	0	0	0	0	0	0
155°	2	1	1	0	0	0	0	0	0	0	0
157.5°	1	1	1	0	0	0	0	0	0	0	0
160°	0	1	1	0	0	0	0	0	0	0	0
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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Scaled Data Report





110° | 3 2 1 1 1 1 1 1 1 2 2

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