

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: CORELITE

Report Number: P520655

Luminaire Tested: **8WSLA-125-L835-UPL15-UNV-U**

Issue Date: 5/3/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P520655  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-174-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 8WSLA-125-L835-UPL15-UNV-U  
Description: 8 FOOT, 2500 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3500K, 80 CRI  
LEDS WITH 15% UPLIGHT  
Light Source: -  
Ballast/Driver: -

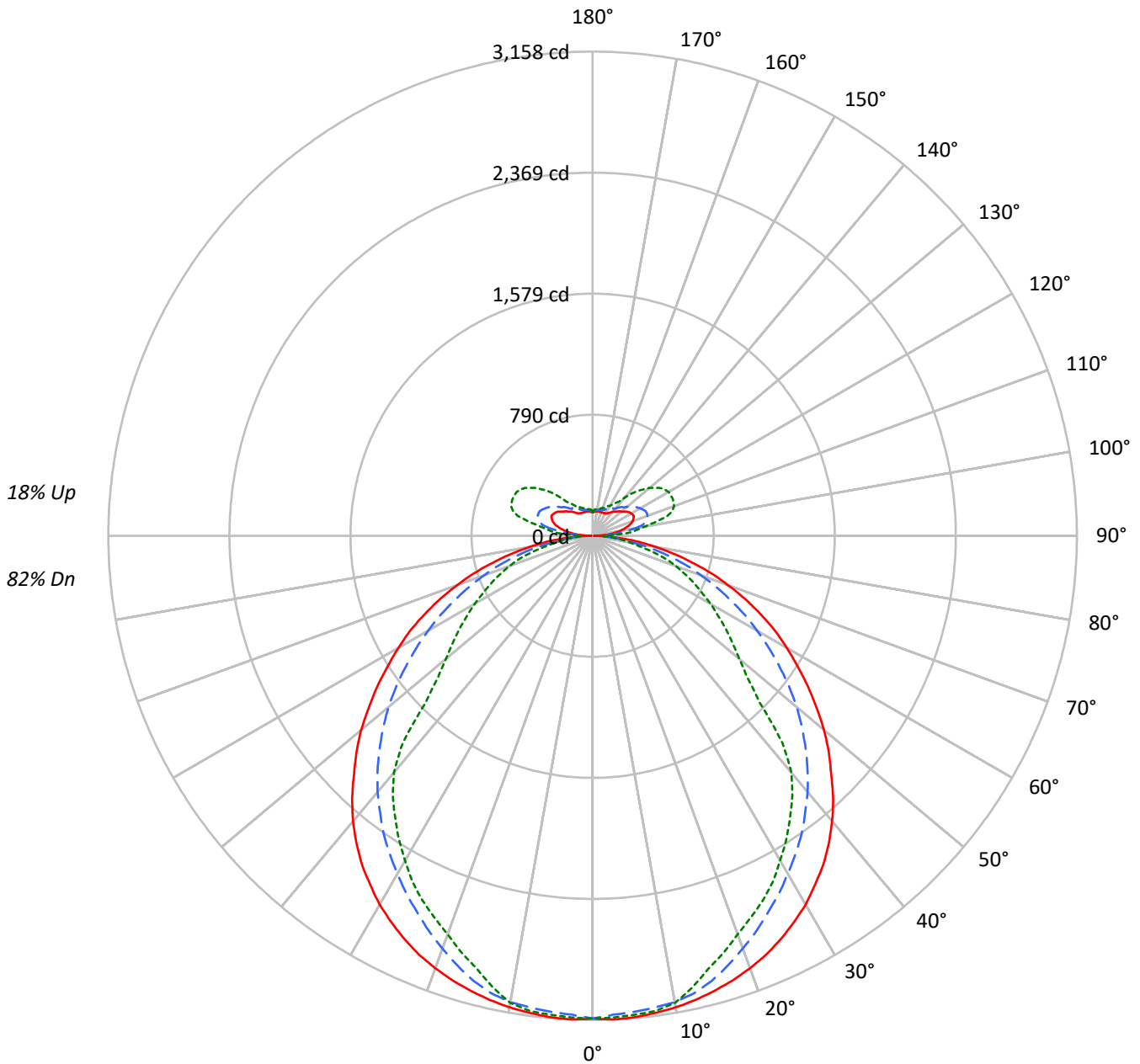
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10197.0 lumens  
Efficiency: N/A  
Efficacy: 130.4 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 1.16 / 1.33  
Luminous Opening: Rectangular (W 0.5' x L: 8' x H: 0')  
CIE Type: Semi-Direct  
  
Input Watts (W): 78.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: 25 FT

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20					20					20					20					20					
RC	80					70					50					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																										
0	115	115	115	115	110	110	110	110	101	101	101	93	93	93	86	86	86	82								
1	105	100	96	92	100	96	93	89	89	86	83	82	80	78	76	74	72	69								
2	96	88	81	76	91	84	78	73	78	73	69	72	68	65	67	64	61	58								
3	87	77	69	63	83	74	67	61	69	63	58	64	59	55	59	55	52	49								
4	80	68	60	53	76	66	58	52	61	55	50	57	51	47	53	48	45	42								
5	73	61	52	46	70	59	51	45	55	48	43	51	45	41	48	43	39	36								
6	68	55	46	40	65	53	45	39	50	43	38	46	40	36	43	38	34	32								
7	63	50	41	35	60	48	40	35	45	38	33	42	36	32	39	34	30	28								
8	58	45	37	32	56	44	36	31	41	35	30	39	33	29	36	31	27	25								
9	55	42	34	28	52	40	33	28	38	31	27	36	30	26	33	28	25	23								
10	51	38	31	26	49	37	30	25	35	29	24	33	27	23	31	26	23	21								

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	8473	8473	8473
5°	8514	8419	8471
10°	8534	8438	8455
15°	8558	8371	8140
20°	8596	8203	7919
25°	8619	8040	7794
30°	8632	7908	7600
35°	8612	7805	7375
40°	8537	7661	7078
45°	8373	7474	5869
50°	8248	7272	5227
55°	8045	6982	4974
60°	7871	6668	4778
65°	7686	6303	4636
70°	7386	5904	4548
75°	6972	5412	4184
80°	6383	4553	3711
85°	5718	3943	3745



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	298.4	2.9
10°-20°	847.7	8.3
20°-30°	1265.0	12.4
30°-40°	1507.3	14.8
40°-50°	1499.3	14.7
50°-60°	1284.9	12.6
60°-70°	967.7	9.5
70°-80°	560.5	5.5
80°-90°	168.4	1.7
90°-100°	180.8	1.8
100°-110°	371.4	3.6
110°-120°	392.7	3.9
120°-130°	327.6	3.2
130°-140°	228.8	2.2
140°-150°	142.4	1.4
150°-160°	88.3	0.9
160°-170°	49.7	0.5
170°-180°	16.0	0.2
0°-30°	2411.1	23.6
0°-40°	3918.4	38.4
0°-60°	6702.6	65.7
0°-90°	8399.3	82.4
90°-120°	944.9	9.3
90°-150°	1643.7	16.1
90°-180°	1798.0	17.6
0°-180°	10197.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3149	3149	3149	3149	3149	
5°	3152	3142	3117	3139	3136	300
15°	3072	3069	3005	2954	2922	868
25°	2903	2861	2708	2641	2625	1338
35°	2622	2551	2376	2283	2245	1637
45°	2200	2146	1964	1769	1542	1701
55°	1715	1689	1488	1182	1060	1533
65°	1207	1178	990	770	728	1193
75°	671	648	520	415	402	710
85°	185	163	128	121	121	198
90°	10	45	77	96	102	19
95°	102	137	156	230	249	98
105°	240	249	358	479	508	248
115°	297	252	380	524	575	289
125°	275	243	329	482	543	244
135°	224	243	265	358	412	174
145°	182	211	230	246	262	116
155°	166	176	188	204	208	77
165°	163	169	176	182	182	46
175°	160	163	166	169	172	15
180°	156	156	156	156	156	



TEST NUMBER: P520655

CATALOG NUMBER: 8WSLA-125-L835-UPL15-UNV-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3148.6	3148.6	3148.6	3148.6	3148.6
2.5°	3158.1	3151.7	3126.2	3151.7	3145.4
5°	3151.7	3142.2	3116.6	3139.0	3135.8
7.5°	3139.0	3132.6	3103.8	3129.4	3126.2
10°	3123.0	3113.4	3087.9	3107.0	3094.3
12.5°	3100.7	3094.3	3055.9	3040.0	3014.4
15°	3071.9	3068.7	3004.9	2953.8	2921.8
17.5°	3040.0	3027.2	2937.8	2877.1	2848.4
20°	3001.7	2982.5	2864.4	2794.1	2765.4
22.5°	2957.0	2928.2	2790.9	2723.8	2695.1
25°	2902.7	2861.2	2707.9	2640.8	2624.9
27.5°	2842.0	2794.1	2631.2	2564.2	2545.0
30°	2778.1	2717.5	2545.0	2481.2	2446.0
32.5°	2698.3	2640.8	2462.0	2388.6	2350.2
35°	2621.7	2551.4	2375.8	2283.2	2244.9
37.5°	2529.1	2458.8	2276.8	2184.2	2139.5
40°	2430.1	2359.8	2181.0	2072.4	2014.9
42.5°	2321.5	2257.6	2075.6	1944.7	1832.9
45°	2200.2	2145.9	1963.9	1769.1	1542.3
47.5°	2088.4	2037.3	1852.1	1599.8	1366.7
50°	1970.2	1922.3	1737.1	1440.2	1248.6
52.5°	1839.3	1804.2	1612.6	1302.8	1149.6
55°	1714.8	1689.2	1488.1	1181.5	1060.2
57.5°	1583.9	1558.3	1363.5	1066.5	970.7
60°	1462.5	1437.0	1239.0	964.4	887.7
62.5°	1341.2	1306.0	1117.6	865.4	801.5
65°	1207.1	1178.3	989.9	769.6	728.1
67.5°	1072.9	1047.4	871.8	680.2	651.4
70°	938.8	916.5	750.4	593.9	578.0
72.5°	807.9	779.2	641.8	507.7	501.3
75°	670.6	648.2	520.5	415.1	402.4
77.5°	539.7	520.5	408.7	316.1	306.6
80°	411.9	392.8	293.8	229.9	239.5
82.5°	303.4	277.8	198.0	178.8	188.4
85°	185.2	162.9	127.7	121.3	121.3
87.5°	63.9	60.7	57.5	67.1	70.3
90°	9.6	44.7	76.6	95.8	102.2
92.5°	54.3	79.8	105.4	124.5	130.9
95°	102.2	137.3	156.5	229.9	249.1
97.5°	140.5	182.0	204.4	271.4	290.6
100°	178.8	217.1	287.4	322.5	344.9
102.5°	210.8	239.5	338.5	408.7	421.5
105°	239.5	249.1	357.6	479.0	507.7



TEST NUMBER: P520655

CATALOG NUMBER: 8WSLA-125-L835-UPL15-UNV-U

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	287.4	255.5	383.2	520.5	571.6
115°	297.0	252.3	380.0	523.7	574.8
117.5°	297.0	252.3	370.4	523.7	574.8
120°	290.6	255.5	357.6	517.3	571.6
122.5°	284.2	249.1	344.9	504.5	558.8
125°	274.6	242.7	328.9	482.2	542.9
127.5°	258.7	249.1	312.9	453.4	514.1
130°	245.9	252.3	293.8	424.7	485.4
132.5°	236.3	245.9	274.6	392.8	447.1
135°	223.5	242.7	265.0	357.6	411.9
137.5°	213.9	233.1	249.1	325.7	370.4
140°	204.4	226.7	233.1	284.2	322.5
142.5°	191.6	217.1	220.3	265.0	281.0
145°	182.0	210.8	229.9	245.9	261.8
147.5°	172.4	198.0	223.5	226.7	242.7
150°	169.2	185.2	213.9	217.1	223.5
152.5°	166.0	178.8	198.0	217.1	220.3
155°	166.0	175.6	188.4	204.4	207.6
157.5°	162.9	175.6	182.0	194.8	198.0
160°	162.9	172.4	178.8	188.4	191.6
162.5°	162.9	172.4	175.6	185.2	188.4
165°	162.9	169.2	175.6	182.0	182.0
167.5°	162.9	169.2	172.4	178.8	178.8
170°	162.9	166.0	172.4	175.6	175.6
172.5°	159.7	166.0	169.2	175.6	175.6
175°	159.7	162.9	166.0	169.2	172.4
177.5°	153.3	162.9	166.0	169.2	166.0
180°	156.5	156.5	156.5	156.5	156.5



Report Generated By 670246072 / DESKTOP-MV3F9LC







— 0°-180°    - - 45°-225°    - - - - 90°-270°







107.5°	261.8	252.3	370.4	504.5	546.0
110°	277.8	255.5	380.0	514.1	565.2



(END OF REPORT)