

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: P520721

Luminaire Tested: **8WSLA-175-L950-UPL15-UNV-U**

Issue Date: 5/3/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P520721  
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-175-L950-UPL15-UNV-U  
Description: 8 FOOT, 3500 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 5000K, 90 CRI  
LEDS WITH 15% UPLIGHT  
Light Source: -  
Ballast/Driver: -

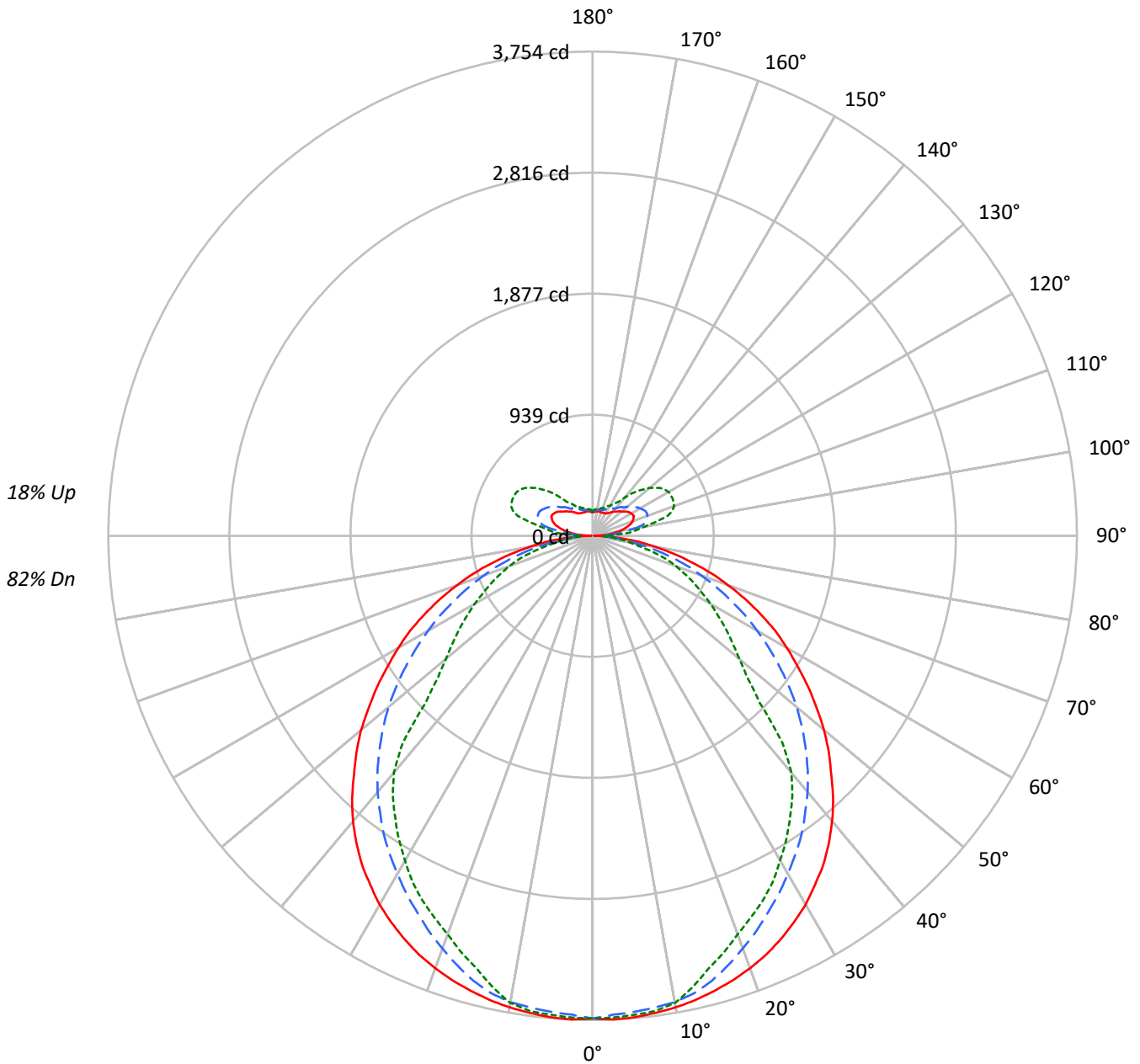
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12122.0 lumens  
Efficiency: N/A  
Efficacy: 101.9 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): 119  
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									
RC	80									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	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°	10072	10072	10072
5°	10121	10008	10070
10°	10145	10030	10051
15°	10174	9952	9677
20°	10218	9751	9414
25°	10245	9558	9265
30°	10262	9401	9035
35°	10238	9278	8767
40°	10148	9108	8414
45°	9954	8885	6978
50°	9805	8645	6214
55°	9564	8299	5913
60°	9357	7927	5680
65°	9137	7493	5511
70°	8781	7019	5406
75°	8289	6434	4973
80°	7589	5411	4412
85°	6799	4687	4455



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	354.7	2.9
10°-20°	1007.7	8.3
20°-30°	1503.9	12.4
30°-40°	1791.9	14.8
40°-50°	1782.3	14.7
50°-60°	1527.5	12.6
60°-70°	1150.4	9.5
70°-80°	666.3	5.5
80°-90°	200.2	1.7
90°-100°	215.0	1.8
100°-110°	441.5	3.6
110°-120°	466.8	3.9
120°-130°	389.4	3.2
130°-140°	272.0	2.2
140°-150°	169.3	1.4
150°-160°	105.0	0.9
160°-170°	59.1	0.5
170°-180°	19.1	0.2
0°-30°	2866.3	23.6
0°-40°	4658.1	38.4
0°-60°	7968.0	65.7
0°-90°	9984.9	82.4
90°-120°	1123.2	9.3
90°-150°	1954.0	16.1
90°-180°	2137.0	17.6
0°-180°	12122.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3743	3743	3743	3743	3743	
5°	3747	3735	3705	3732	3728	356
15°	3652	3648	3572	3511	3473	1032
25°	3451	3401	3219	3139	3120	1591
35°	3117	3033	2824	2714	2669	1947
45°	2616	2551	2335	2103	1834	2022
55°	2038	2008	1769	1405	1260	1822
65°	1435	1401	1177	915	866	1418
75°	797	771	619	494	478	844
85°	220	194	152	144	144	235
90°	11	53	91	114	122	22
95°	122	163	186	273	296	116
105°	285	296	425	569	604	295
115°	353	300	452	623	683	344
125°	326	288	391	573	645	290
135°	266	288	315	425	490	207
145°	216	250	273	292	311	137
155°	197	209	224	243	247	91
165°	194	201	209	216	216	55
175°	190	194	197	201	205	18
180°	186	186	186	186	186	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3742.9	3742.9	3742.9	3742.9	3742.9
2.5°	3754.3	3746.7	3716.4	3746.7	3739.1
5°	3746.7	3735.3	3705.0	3731.5	3727.8
7.5°	3731.5	3724.0	3689.8	3720.2	3716.4
10°	3712.6	3701.2	3670.8	3693.6	3678.4
12.5°	3686.0	3678.4	3632.9	3613.9	3583.5
15°	3651.8	3648.0	3572.1	3511.4	3473.4
17.5°	3613.9	3598.7	3492.4	3420.3	3386.1
20°	3568.3	3545.5	3405.1	3321.6	3287.4
22.5°	3515.2	3481.0	3317.8	3238.1	3203.9
25°	3450.6	3401.3	3219.1	3139.4	3120.4
27.5°	3378.5	3321.6	3128.0	3048.3	3025.5
30°	3302.6	3230.5	3025.5	2949.6	2907.8
32.5°	3207.7	3139.4	2926.8	2839.5	2793.9
35°	3116.6	3033.1	2824.3	2714.2	2668.6
37.5°	3006.5	2923.0	2706.6	2596.5	2543.4
40°	2888.8	2805.3	2592.7	2463.7	2395.3
42.5°	2759.8	2683.8	2467.5	2311.8	2179.0
45°	2615.5	2551.0	2334.6	2103.0	1833.5
47.5°	2482.6	2421.9	2201.7	1901.8	1624.7
50°	2342.2	2285.2	2065.1	1712.0	1484.3
52.5°	2186.5	2144.8	1917.0	1548.8	1366.6
55°	2038.5	2008.1	1769.0	1404.6	1260.3
57.5°	1882.9	1852.5	1620.9	1267.9	1154.0
60°	1738.6	1708.2	1472.9	1146.4	1055.3
62.5°	1594.4	1552.6	1328.6	1028.7	952.8
65°	1434.9	1400.8	1176.8	914.9	865.5
67.5°	1275.5	1245.1	1036.3	808.6	774.4
70°	1116.0	1089.5	892.1	706.1	687.1
72.5°	960.4	926.2	763.0	603.6	596.0
75°	797.2	770.6	618.8	493.5	478.3
77.5°	641.5	618.8	485.9	375.8	364.4
80°	489.7	466.9	349.2	273.3	284.7
82.5°	360.6	330.3	235.4	212.6	224.0
85°	220.2	193.6	151.8	144.3	144.3
87.5°	75.9	72.1	68.3	79.7	83.5
90°	11.4	53.1	91.1	113.9	121.5
92.5°	64.5	94.9	125.3	148.0	155.6
95°	121.5	163.2	186.0	273.3	296.1
97.5°	167.0	216.4	242.9	322.7	345.4
100°	212.6	258.1	341.6	383.4	410.0
102.5°	250.5	284.7	402.4	485.9	501.1
105°	284.7	296.1	425.2	569.4	603.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	341.6	303.7	455.5	618.8	679.5
115°	353.0	299.9	451.7	622.6	683.3
117.5°	353.0	299.9	440.3	622.6	683.3
120°	345.4	303.7	425.2	615.0	679.5
122.5°	337.9	296.1	410.0	599.8	664.3
125°	326.5	288.5	391.0	573.2	645.3
127.5°	307.5	296.1	372.0	539.0	611.2
130°	292.3	299.9	349.2	504.9	577.0
132.5°	280.9	292.3	326.5	466.9	531.5
135°	265.7	288.5	315.1	425.2	489.7
137.5°	254.3	277.1	296.1	387.2	440.3
140°	242.9	269.5	277.1	337.9	383.4
142.5°	227.8	258.1	261.9	315.1	334.1
145°	216.4	250.5	273.3	292.3	311.3
147.5°	205.0	235.4	265.7	269.5	288.5
150°	201.2	220.2	254.3	258.1	265.7
152.5°	197.4	212.6	235.4	258.1	261.9
155°	197.4	208.8	224.0	242.9	246.7
157.5°	193.6	208.8	216.4	231.6	235.4
160°	193.6	205.0	212.6	224.0	227.8
162.5°	193.6	205.0	208.8	220.2	224.0
165°	193.6	201.2	208.8	216.4	216.4
167.5°	193.6	201.2	205.0	212.6	212.6
170°	193.6	197.4	205.0	208.8	208.8
172.5°	189.8	197.4	201.2	208.8	208.8
175°	189.8	193.6	197.4	201.2	205.0
177.5°	182.2	193.6	197.4	201.2	197.4
180°	186.0	186.0	186.0	186.0	186.0



Report Generated By 670246072 / DESKTOP-MV3F9LC







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







107.5°	311.3	299.9	440.3	599.8	649.1
110°	330.3	303.7	451.7	611.2	671.9



(END OF REPORT)