

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: P520691

Luminaire Tested: **8WSLA-150-L935-UPL15-UNV-U**

Issue Date: 5/3/2021

**Test Information**

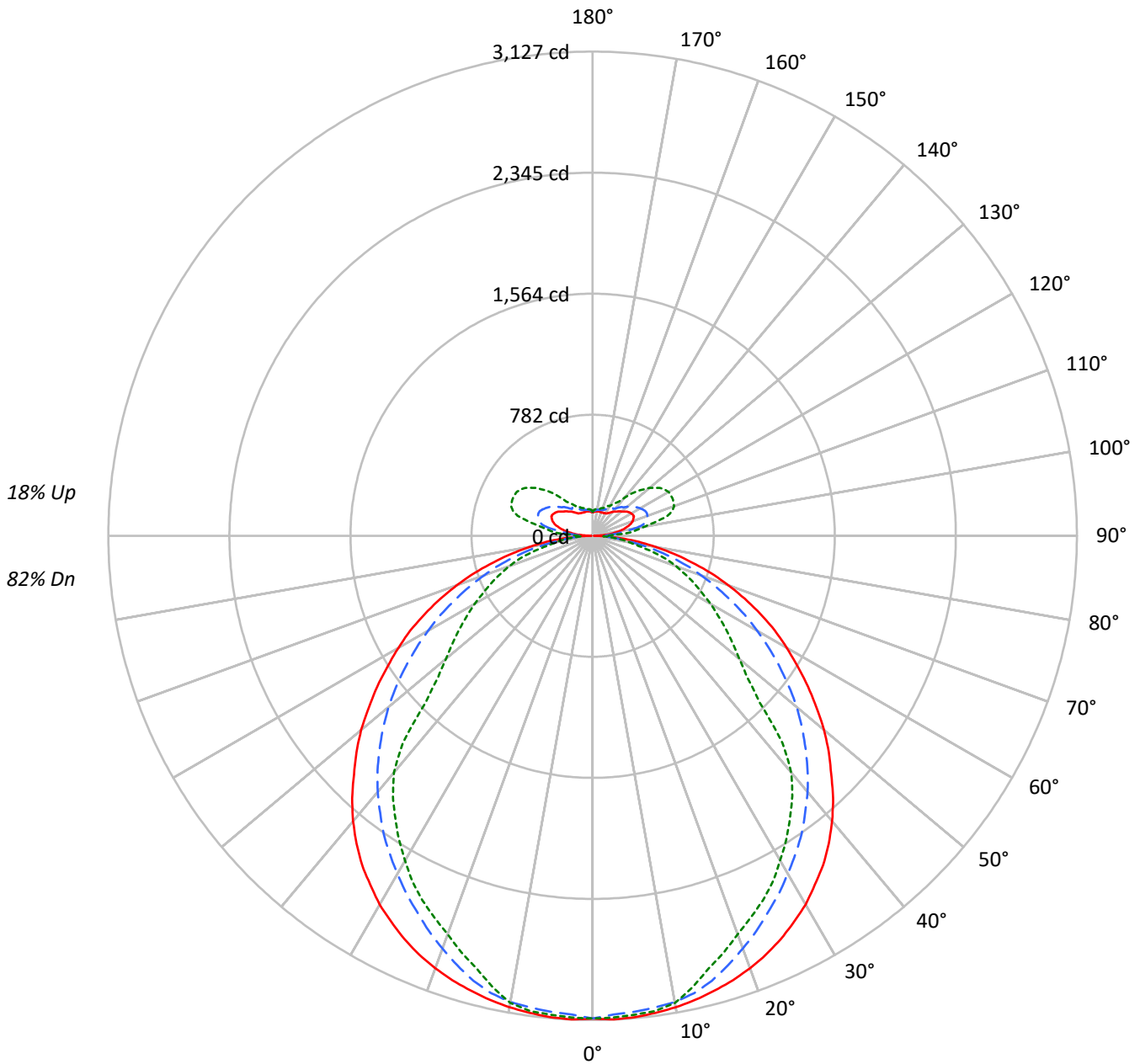
Test Method: LM-79-08  
Report Number: P520691  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-174-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 8WSLA-150-L935-UPL15-UNV-U  
Description: 8 FOOT, 3000 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3500K, 90 CRI  
LEDS WITH 15% UPLIGHT  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10095.9 lumens  
Efficiency: N/A  
Efficacy: 107.9 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): 93.6  
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°	8389	8389	8389
5°	8429	8335	8387
10°	8449	8354	8371
15°	8473	8288	8059
20°	8511	8121	7841
25°	8533	7961	7717
30°	8547	7830	7525
35°	8527	7727	7301
40°	8452	7586	7008
45°	8290	7400	5812
50°	8166	7200	5175
55°	7965	6912	4925
60°	7793	6602	4730
65°	7610	6241	4590
70°	7313	5846	4503
75°	6903	5358	4142
80°	6320	4508	3674
85°	5663	3906	3708



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	295.5	2.9
10°-20°	839.3	8.3
20°-30°	1252.5	12.4
30°-40°	1492.4	14.8
40°-50°	1484.4	14.7
50°-60°	1272.2	12.6
60°-70°	958.1	9.5
70°-80°	554.9	5.5
80°-90°	166.8	1.7
90°-100°	179.0	1.8
100°-110°	367.7	3.6
110°-120°	388.8	3.9
120°-130°	324.3	3.2
130°-140°	226.6	2.2
140°-150°	141.0	1.4
150°-160°	87.4	0.9
160°-170°	49.2	0.5
170°-180°	15.9	0.2
0°-30°	2387.2	23.6
0°-40°	3879.6	38.4
0°-60°	6636.2	65.7
0°-90°	8316.1	82.4
90°-120°	935.5	9.3
90°-150°	1627.4	16.1
90°-180°	1780.0	17.6
0°-180°	10095.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3117	3117	3117	3117	3117	
5°	3120	3111	3086	3108	3105	297
15°	3042	3038	2975	2924	2893	860
25°	2874	2833	2681	2615	2599	1325
35°	2596	2526	2352	2261	2223	1621
45°	2178	2125	1944	1752	1527	1684
55°	1698	1672	1473	1170	1050	1518
65°	1195	1167	980	762	721	1181
75°	664	642	515	411	398	703
85°	183	161	126	120	120	196
90°	10	44	76	95	101	19
95°	101	136	155	228	247	97
105°	237	247	354	474	503	246
115°	294	250	376	518	569	286
125°	272	240	326	477	538	242
135°	221	240	262	354	408	173
145°	180	209	228	243	259	114
155°	164	174	186	202	206	76
165°	161	168	174	180	180	46
175°	158	161	164	168	171	15
180°	155	155	155	155	155	



TEST NUMBER: P520691

CATALOG NUMBER: 8WSLA-150-L935-UPL15-UNV-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3117.4	3117.4	3117.4	3117.4	3117.4
2.5°	3126.8	3120.5	3095.2	3120.5	3114.2
5°	3120.5	3111.0	3085.7	3107.9	3104.7
7.5°	3107.9	3101.6	3073.1	3098.4	3095.2
10°	3092.1	3082.6	3057.3	3076.3	3063.6
12.5°	3069.9	3063.6	3025.7	3009.9	2984.6
15°	3041.5	3038.3	2975.1	2924.5	2892.9
17.5°	3009.9	2997.2	2908.7	2848.6	2820.2
20°	2971.9	2953.0	2836.0	2766.4	2738.0
22.5°	2927.7	2899.2	2763.3	2696.9	2668.4
25°	2873.9	2832.8	2681.1	2614.7	2598.9
27.5°	2813.8	2766.4	2605.2	2538.8	2519.8
30°	2750.6	2690.5	2519.8	2456.6	2421.8
32.5°	2671.6	2614.7	2437.6	2364.9	2327.0
35°	2595.7	2526.1	2352.3	2260.6	2222.6
37.5°	2504.0	2434.5	2254.2	2162.6	2118.3
40°	2406.0	2336.4	2159.4	2051.9	1995.0
42.5°	2298.5	2235.3	2055.1	1925.4	1814.8
45°	2178.4	2124.6	1944.4	1751.5	1527.1
47.5°	2067.7	2017.1	1833.7	1584.0	1353.2
50°	1950.7	1903.3	1719.9	1425.9	1236.2
52.5°	1821.1	1786.3	1596.6	1289.9	1138.2
55°	1697.8	1672.5	1473.3	1169.8	1049.7
57.5°	1568.2	1542.9	1350.0	1056.0	961.1
60°	1448.0	1422.7	1226.7	954.8	878.9
62.5°	1327.9	1293.1	1106.6	856.8	793.6
65°	1195.1	1166.6	980.1	762.0	720.9
67.5°	1062.3	1037.0	863.1	673.4	645.0
70°	929.5	907.4	743.0	588.1	572.3
72.5°	799.9	771.4	635.5	502.7	496.4
75°	663.9	641.8	515.3	411.0	398.4
77.5°	534.3	515.3	404.7	313.0	303.5
80°	407.8	388.9	290.9	227.6	237.1
82.5°	300.4	275.1	196.0	177.1	186.5
85°	183.4	161.2	126.5	120.1	120.1
87.5°	63.2	60.1	56.9	66.4	69.6
90°	9.5	44.3	75.9	94.8	101.2
92.5°	53.7	79.0	104.3	123.3	129.6
95°	101.2	135.9	154.9	227.6	246.6
97.5°	139.1	180.2	202.3	268.7	287.7
100°	177.1	215.0	284.5	319.3	341.5
102.5°	208.7	237.1	335.1	404.7	417.3
105°	237.1	246.6	354.1	474.2	502.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	284.5	252.9	379.4	515.3	565.9
115°	294.0	249.8	376.2	518.5	569.1
117.5°	294.0	249.8	366.7	518.5	569.1
120°	287.7	252.9	354.1	512.2	565.9
122.5°	281.4	246.6	341.5	499.5	553.3
125°	271.9	240.3	325.6	477.4	537.5
127.5°	256.1	246.6	309.8	449.0	509.0
130°	243.4	249.8	290.9	420.5	480.6
132.5°	234.0	243.4	271.9	388.9	442.6
135°	221.3	240.3	262.4	354.1	407.8
137.5°	211.8	230.8	246.6	322.5	366.7
140°	202.3	224.5	230.8	281.4	319.3
142.5°	189.7	215.0	218.2	262.4	278.2
145°	180.2	208.7	227.6	243.4	259.3
147.5°	170.7	196.0	221.3	224.5	240.3
150°	167.6	183.4	211.8	215.0	221.3
152.5°	164.4	177.1	196.0	215.0	218.2
155°	164.4	173.9	186.5	202.3	205.5
157.5°	161.2	173.9	180.2	192.9	196.0
160°	161.2	170.7	177.1	186.5	189.7
162.5°	161.2	170.7	173.9	183.4	186.5
165°	161.2	167.6	173.9	180.2	180.2
167.5°	161.2	167.6	170.7	177.1	177.1
170°	161.2	164.4	170.7	173.9	173.9
172.5°	158.1	164.4	167.6	173.9	173.9
175°	158.1	161.2	164.4	167.6	170.7
177.5°	151.8	161.2	164.4	167.6	164.4
180°	154.9	154.9	154.9	154.9	154.9



Report Generated By 670246072 / DESKTOP-MV3F9LC







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







107.5°	259.3	249.8	366.7	499.5	540.6
110°	275.1	252.9	376.2	509.0	559.6



(END OF REPORT)