

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: P520668

Luminaire Tested: **8WSLA-125-L935-UPL8-UNV-U**

Issue Date: 5/3/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P520668  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-174-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 8WSLA-125-L935-UPL8-UNV-U  
Description: 8 FOOT, 2500 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3500K, 90 CRI  
LEDS WITH 8% UPLIGHT  
Light Source: -  
Ballast/Driver: -

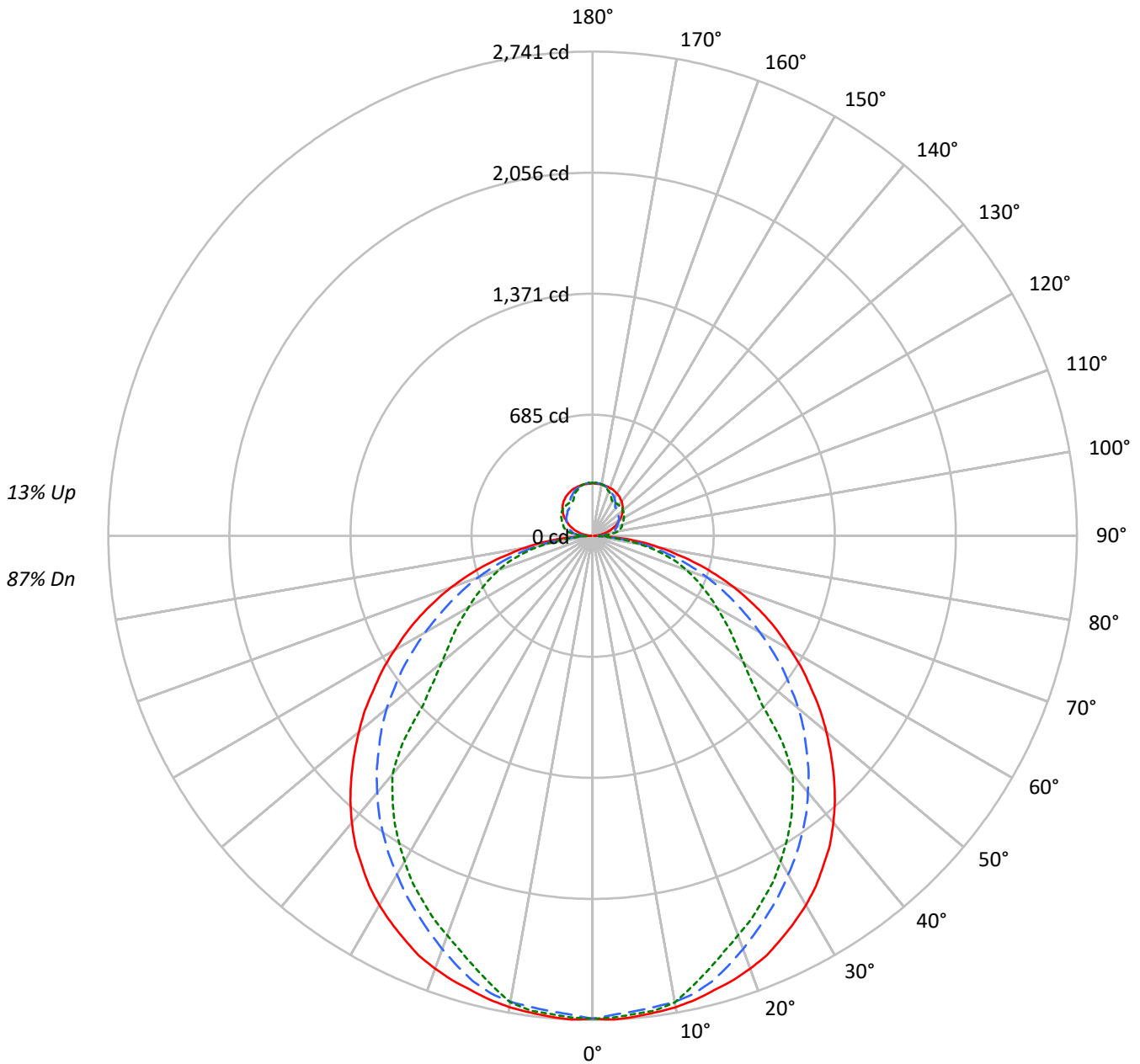
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8507.1 lumens  
Efficiency: N/A  
Efficacy: 108.8 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.17 / 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									
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	116	116	116	116	112	112	112	112	104	104	104	97	97	97	90	90	90	87																			
1	106	101	97	93	102	98	94	90	91	88	85	85	83	80	79	78	76	73																			
2	96	88	82	76	92	85	79	74	80	75	70	74	70	67	70	66	64	61																			
3	88	78	70	63	84	75	68	62	70	64	59	66	61	56	62	58	54	51																			
4	80	69	60	54	77	67	59	53	62	56	50	59	53	48	55	50	46	44																			
5	74	61	53	46	71	60	51	45	56	49	44	53	47	42	50	45	40	38																			
6	68	55	47	40	66	54	46	40	51	44	38	48	42	37	45	40	36	33																			
7	63	50	42	36	61	49	41	35	46	39	34	43	37	33	41	36	32	30																			
8	59	46	37	32	57	44	37	31	42	35	30	40	34	29	38	32	28	26																			
9	55	42	34	28	53	41	33	28	39	32	27	37	31	26	35	30	26	24																			
10	52	39	31	26	50	38	30	25	36	29	25	34	28	24	32	27	23	22																			

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

	0°	45°	90°
0°	7356	7356	7356
5°	7384	7299	7341
10°	7405	7319	7330
15°	7418	7276	7078
20°	7467	7129	6893
25°	7486	6995	6762
30°	7504	6880	6612
35°	7481	6783	6434
40°	7447	6660	6190
45°	7349	6511	5164
50°	7228	6372	4660
55°	7086	6163	4484
60°	6964	5885	4360
65°	6862	5635	4358
70°	6684	5415	4425
75°	6380	5153	4457
80°	5972	4632	4145
85°	5465	3279	2794



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	258.8	3.0
10°-20°	735.7	8.6
20°-30°	1099.3	12.9
30°-40°	1312.2	15.4
40°-50°	1312.4	15.4
50°-60°	1135.8	13.4
60°-70°	871.8	10.2
70°-80°	534.2	6.3
80°-90°	150.4	1.8
90°-100°	85.0	1.0
100°-110°	134.9	1.6
110°-120°	157.7	1.9
120°-130°	170.3	2.0
130°-140°	167.8	2.0
140°-150°	148.4	1.7
150°-160°	122.2	1.4
160°-170°	81.7	1.0
170°-180°	28.5	0.3
0°-30°	2093.8	24.6
0°-40°	3406.0	40.0
0°-60°	5854.2	68.8
0°-90°	7410.5	87.1
90°-120°	377.6	4.4
90°-150°	864.2	10.2
90°-180°	1097.0	12.9
0°-180°	8507.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2734	2734	2734	2734	2734	
5°	2734	2726	2702	2722	2718	260
15°	2663	2659	2612	2564	2541	753
25°	2521	2490	2356	2293	2277	1163
35°	2277	2218	2065	1990	1959	1426
45°	1931	1876	1711	1558	1357	1489
55°	1510	1475	1314	1050	956	1354
65°	1078	1038	885	712	684	1064
75°	614	582	496	429	429	647
85°	177	146	106	90	90	185
90°	8	28	43	55	59	12
95°	32	67	90	94	94	31
105°	90	94	134	157	165	95
115°	150	126	157	181	193	146
125°	201	161	181	208	216	179
135°	240	216	201	220	232	185
145°	268	256	224	220	228	167
155°	283	279	264	252	248	131
165°	291	295	287	287	287	83
175°	295	299	299	303	303	28
180°	299	299	299	299	299	



TEST NUMBER: P520668

CATALOG NUMBER: 8WSLA-125-L935-UPL8-UNV-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2733.5	2733.5	2733.5	2733.5	2733.5
2.5°	2741.4	2733.5	2713.8	2733.5	2729.6
5°	2733.5	2725.6	2702.0	2721.7	2717.8
7.5°	2721.7	2713.8	2690.2	2713.8	2709.9
10°	2709.9	2702.0	2678.4	2694.2	2682.4
12.5°	2690.2	2682.4	2654.8	2635.2	2611.6
15°	2662.7	2658.8	2611.6	2564.4	2540.8
17.5°	2639.1	2627.3	2552.6	2497.5	2470.0
20°	2607.6	2588.0	2489.6	2426.7	2407.1
22.5°	2572.2	2540.8	2422.8	2363.8	2348.1
25°	2521.1	2489.6	2355.9	2293.0	2277.3
27.5°	2470.0	2430.7	2289.1	2226.1	2210.4
30°	2414.9	2359.9	2214.3	2155.3	2127.8
32.5°	2352.0	2296.9	2143.5	2076.7	2045.2
35°	2277.3	2218.3	2064.9	1990.1	1958.7
37.5°	2206.5	2143.5	1986.2	1903.6	1860.4
40°	2119.9	2057.0	1895.8	1805.3	1762.0
42.5°	2029.5	1970.5	1809.2	1699.1	1592.9
45°	1931.1	1876.1	1710.9	1557.5	1356.9
47.5°	1828.9	1781.7	1620.4	1412.0	1219.3
50°	1726.6	1679.4	1522.1	1274.3	1113.1
52.5°	1624.4	1585.0	1412.0	1160.3	1026.5
55°	1510.3	1474.9	1313.7	1050.1	955.7
57.5°	1408.0	1372.6	1199.6	959.7	881.0
60°	1294.0	1262.5	1093.4	869.2	810.2
62.5°	1187.8	1152.4	987.2	790.6	747.3
65°	1077.7	1038.3	884.9	711.9	684.4
67.5°	963.6	924.3	786.6	641.1	625.4
70°	849.5	818.1	688.3	570.3	562.4
72.5°	731.6	696.2	590.0	503.4	503.4
75°	613.6	582.1	495.6	428.7	428.7
77.5°	491.6	475.9	397.2	350.0	354.0
80°	385.4	365.8	298.9	267.5	267.5
82.5°	283.2	259.6	200.6	177.0	184.9
85°	177.0	145.5	106.2	90.5	90.5
87.5°	55.1	43.3	31.5	35.4	35.4
90°	7.9	27.5	43.3	55.1	59.0
92.5°	19.7	51.1	62.9	74.7	78.7
95°	31.5	66.9	90.5	94.4	94.4
97.5°	43.3	74.7	110.1	125.9	125.9
100°	59.0	78.7	118.0	141.6	145.5
102.5°	74.7	86.5	125.9	149.5	157.3
105°	90.5	94.4	133.7	157.3	165.2



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CATALOG NUMBER: 8WSLA-125-L935-UPL8-UNV-U

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	133.7	118.0	149.5	177.0	184.9
115°	149.5	125.9	157.3	180.9	192.7
117.5°	161.3	137.7	165.2	188.8	196.7
120°	173.1	145.5	169.1	196.7	204.5
122.5°	188.8	153.4	177.0	200.6	212.4
125°	200.6	161.3	180.9	208.5	216.3
127.5°	212.4	177.0	184.9	212.4	220.3
130°	220.3	192.7	188.8	216.3	224.2
132.5°	232.1	204.5	192.7	220.3	228.1
135°	239.9	216.3	200.6	220.3	232.1
137.5°	247.8	228.1	200.6	220.3	228.1
140°	255.7	239.9	204.5	220.3	228.1
142.5°	259.6	247.8	208.5	220.3	228.1
145°	267.5	255.7	224.2	220.3	228.1
147.5°	271.4	263.5	236.0	220.3	228.1
150°	275.3	271.4	247.8	224.2	224.2
152.5°	279.2	275.3	255.7	239.9	232.1
155°	283.2	279.2	263.5	251.7	247.8
157.5°	287.1	287.1	271.4	263.5	259.6
160°	287.1	291.0	279.2	271.4	267.5
162.5°	291.0	295.0	283.2	279.2	275.3
165°	291.0	295.0	287.1	287.1	287.1
167.5°	295.0	298.9	295.0	291.0	291.0
170°	295.0	298.9	295.0	295.0	295.0
172.5°	295.0	298.9	298.9	298.9	298.9
175°	295.0	298.9	298.9	302.8	302.8
177.5°	295.0	298.9	298.9	298.9	298.9
180°	298.9	298.9	298.9	298.9	298.9



Report Generated By 670246072 / DESKTOP-MV3F9LC







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







107.5°	106.2	102.3	137.7	165.2	173.1
110°	118.0	110.1	145.5	169.1	177.0



(END OF REPORT)