

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: P520663

Luminaire Tested: **8WSLA-125-L930-UNV-U**

Issue Date: 5/3/2021



Test Information

Test Method: LM-79-08
Report Number: P520663
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2002-689-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 8WSLA-125-L930-UNV-U
Description: 8 FOOT, 2500 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3000K, 90 CRI
LEDS WITH NO UPLIGHT
Light Source: -
Ballast/Driver: -

Summary

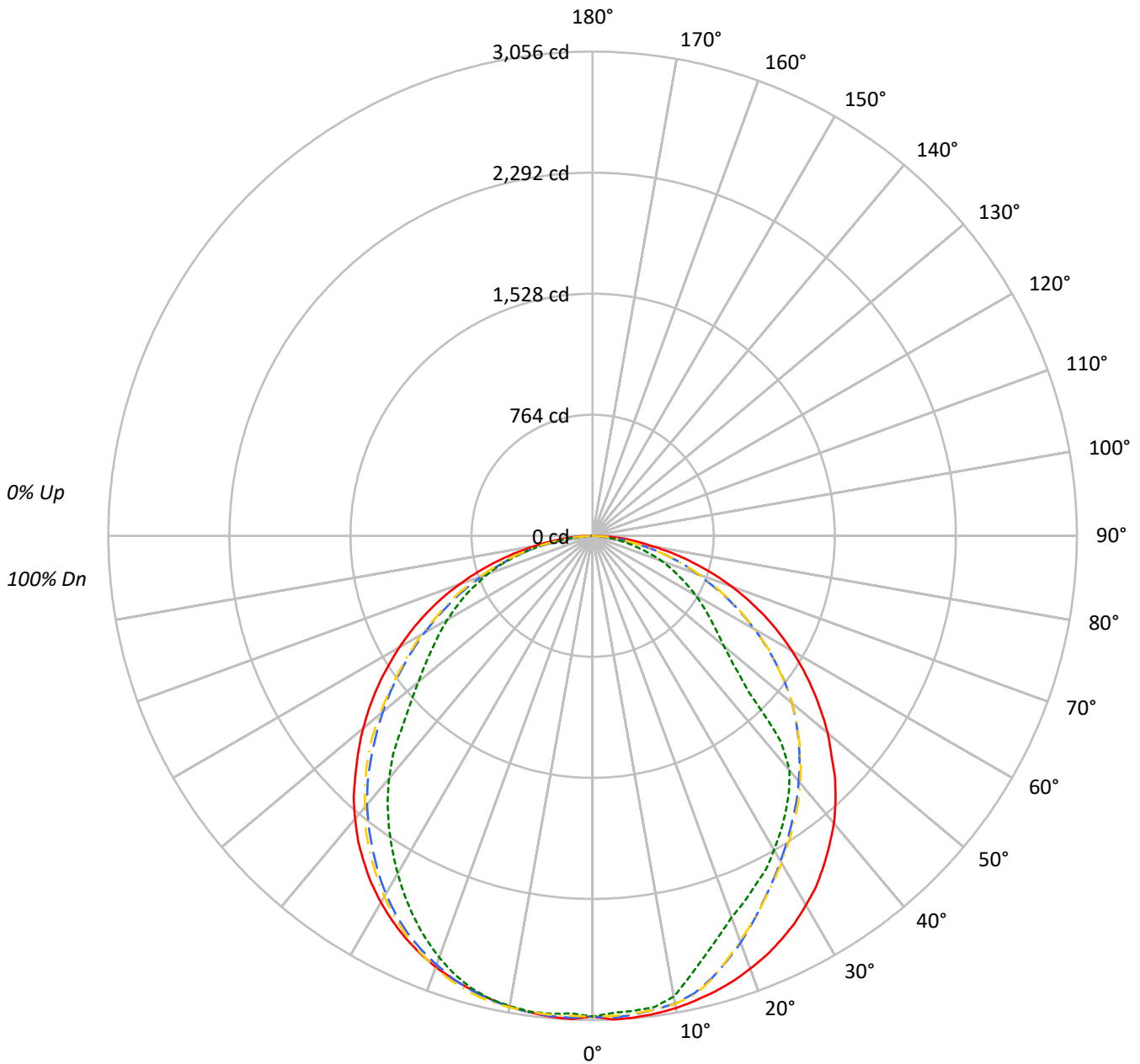
Lumens per Lamp: N/A
Luminaire Lumens: 8138.0 lumens
Efficiency: N/A
Efficacy: 104.1 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.17 / 1.33
Luminous Opening: Rectangular (W 0.5' x L: 8' x H: 0')
CIE Type: Direct

Input Watts (W): 78.2
Input Voltage (V): NR
Input Current (A_{in}): 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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84																			
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	73	70																			
3	91	80	72	66	88	79	71	65	76	69	64	73	67	63	70	66	62	60																			
4	83	71	62	56	81	70	62	55	67	60	55	65	59	54	63	58	53	51																			
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46	44																			
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	46	41	39																			
7	66	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34																			
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31																			
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28																			
10	54	40	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8163	8163	8163	8163
5°	8243	8129	8230	8181
10°	8272	8067	8249	8236
15°	8297	7640	8261	8234
20°	8328	7340	8296	8109
25°	8355	7219	8311	7905
30°	8364	7115	8304	7646
35°	8351	6977	8265	7362
40°	8324	6792	8192	7020
45°	8231	5277	8045	6441
50°	8108	4517	7910	6009
55°	7963	4230	7758	5780
60°	7813	4038	7576	5684
65°	7627	3824	7368	5617
70°	7324	3637	7017	5532
75°	6819	3198	6497	5262
80°	6053	2673	5675	4465
85°	5727	1908	5023	2563



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	288.2	3.5
10°-20°	822.1	10.1
20°-30°	1228.5	15.1
30°-40°	1462.3	18.0
40°-50°	1461.7	18.0
50°-60°	1257.7	15.5
60°-70°	946.7	11.6
70°-80°	539.4	6.6
80°-90°	131.3	1.6
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2338.8	28.7
0°-40°	3801.2	46.7
0°-60°	6520.6	80.1
0°-90°	8138.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8138.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3034	3034	3034	3034	3034	
5°	3052	3009	3047	3029	3052	290
15°	2978	2742	2965	2956	2978	841
25°	2814	2431	2799	2662	2814	1298
35°	2542	2124	2516	2241	2542	1591
45°	2163	1387	2114	1693	2163	1666
55°	1697	902	1654	1232	1697	1518
65°	1198	600	1157	882	1198	1183
75°	656	308	625	506	656	694
85°	186	62	163	83	186	202
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	3033.6	3033.6	3033.6	3033.6	3033.6	3033.6	3033.6	3033.6	3033.6	3033.6	3033.6
2.5°	3056.4	3028.7	3045.0	3040.1	3014.0	3023.8	3033.6	3023.8	3053.1	3027.1	3045.0
5°	3051.5	3022.2	3032.0	3022.2	3009.2	3012.4	3027.1	3017.3	3046.6	3018.9	3041.7
7.5°	3041.7	3005.9	3015.7	3010.8	2999.4	3001.0	3015.7	3007.5	3033.6	3007.5	3033.6
10°	3027.1	2989.6	2997.8	2976.6	2952.2	2970.1	2999.4	2991.3	3018.9	2989.6	3018.9
12.5°	3004.3	2966.9	2958.7	2888.7	2844.8	2879.0	2968.5	2968.5	2994.5	2966.9	2997.8
15°	2978.2	2937.6	2893.6	2787.8	2742.3	2776.4	2900.1	2942.4	2965.2	2937.6	2968.5
17.5°	2947.3	2900.1	2815.5	2691.8	2649.5	2683.7	2810.6	2903.4	2932.7	2903.4	2931.0
20°	2908.3	2852.9	2732.5	2590.9	2563.2	2594.2	2721.1	2856.2	2896.9	2861.1	2880.6
22.5°	2865.9	2799.2	2639.7	2512.8	2499.8	2519.3	2634.9	2797.6	2851.3	2813.9	2826.9
25°	2813.9	2735.8	2547.0	2441.2	2431.4	2442.8	2550.2	2729.2	2799.2	2760.2	2765.0
27.5°	2758.5	2673.9	2459.1	2381.0	2371.2	2376.1	2465.6	2652.8	2739.0	2699.9	2691.8
30°	2691.8	2600.7	2371.2	2299.6	2289.8	2307.7	2384.2	2574.6	2672.3	2633.2	2608.8
32.5°	2625.1	2520.9	2284.9	2229.6	2210.1	2226.4	2299.6	2493.3	2599.0	2558.4	2517.7
35°	2542.1	2436.3	2195.4	2140.1	2123.8	2141.7	2215.0	2408.6	2516.0	2475.4	2420.0
37.5°	2455.8	2346.8	2114.1	2063.6	2034.3	2055.5	2128.7	2320.8	2429.8	2387.5	2319.1
40°	2369.6	2252.4	2022.9	1970.8	1933.4	1964.3	2039.2	2228.0	2332.1	2293.1	2215.0
42.5°	2268.7	2158.0	1933.4	1860.2	1754.4	1853.7	1943.2	2135.2	2231.2	2193.8	2099.4
45°	2162.9	2057.1	1839.0	1661.6	1386.6	1677.9	1845.5	2037.6	2114.1	2078.3	1975.7
47.5°	2042.5	1952.9	1743.0	1472.8	1205.9	1489.1	1746.3	1944.8	2003.4	1964.3	1850.4
50°	1936.7	1848.8	1642.1	1313.4	1079.0	1331.3	1640.5	1840.7	1889.5	1853.7	1726.7
52.5°	1816.2	1739.8	1533.1	1171.8	984.6	1189.7	1529.8	1733.2	1772.3	1730.0	1603.0
55°	1697.4	1629.1	1417.5	1046.5	901.6	1062.7	1414.3	1622.6	1653.5	1604.7	1472.8
57.5°	1577.0	1515.2	1298.7	934.2	825.1	952.1	1306.8	1508.7	1529.8	1468.0	1347.5
60°	1451.7	1399.6	1178.3	834.9	750.3	849.5	1175.0	1394.7	1407.7	1341.0	1225.5
62.5°	1326.4	1279.2	1057.8	743.7	673.8	753.5	1066.0	1274.3	1282.4	1219.0	1100.2
65°	1197.8	1153.9	940.7	647.7	600.5	664.0	948.8	1149.0	1157.1	1085.5	978.1
67.5°	1064.4	1028.6	815.4	574.5	530.6	579.4	831.6	1022.0	1026.9	956.9	859.3
70°	930.9	900.0	704.7	494.7	462.2	496.4	716.1	882.1	891.8	817.0	738.9
72.5°	794.2	769.8	597.3	411.7	382.5	411.7	603.8	753.5	760.0	698.2	621.7
75°	655.9	638.0	488.2	330.4	307.6	328.7	491.5	624.9	624.9	566.4	506.1
77.5°	522.4	509.4	374.3	253.9	237.6	250.6	375.9	494.7	491.5	445.9	398.7
80°	390.6	380.8	268.5	183.9	172.5	179.0	268.5	366.2	366.2	333.6	276.7
82.5°	279.9	268.5	177.4	120.4	113.9	117.2	174.1	255.5	260.4	236.0	187.2
85°	185.5	159.5	96.0	66.7	61.8	63.5	91.1	148.1	162.7	136.7	97.6
87.5°	81.4	53.7	24.4	9.8	4.9	6.5	19.5	47.2	61.8	40.7	13.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	3033.6	3033.6	3033.6	3033.6	3033.6	3033.6
2.5°	3043.3	3017.3	3027.1	3033.6	3027.1	3056.4
5°	3040.1	3028.7	3027.1	3035.2	3022.2	3051.5
7.5°	3035.2	3028.7	3027.1	3030.3	3014.0	3041.7
10°	3023.8	3014.0	3017.3	3022.2	3001.0	3027.1
12.5°	3002.7	2992.9	2994.5	3010.8	2981.5	3004.3
15°	2966.9	2955.5	2966.9	2984.8	2958.7	2978.2
17.5°	2919.7	2901.8	2921.3	2948.9	2929.4	2947.3
20°	2859.4	2831.8	2852.9	2903.4	2885.5	2908.3
22.5°	2786.2	2752.0	2773.2	2846.4	2841.5	2865.9
25°	2703.2	2662.5	2691.8	2781.3	2791.1	2813.9
27.5°	2610.4	2564.9	2603.9	2709.7	2732.5	2758.5
30°	2509.5	2460.7	2506.3	2630.0	2664.1	2691.8
32.5°	2405.4	2351.7	2403.8	2540.5	2589.3	2625.1
35°	2296.3	2241.0	2299.6	2447.7	2506.3	2542.1
37.5°	2179.2	2125.5	2188.9	2350.0	2420.0	2455.8
40°	2058.7	1998.5	2070.1	2234.5	2327.3	2369.6
42.5°	1935.0	1860.2	1948.1	2125.5	2226.4	2268.7
45°	1796.7	1692.6	1811.4	2009.9	2115.7	2162.9
47.5°	1658.4	1554.2	1674.7	1886.2	2000.1	2042.5
50°	1524.9	1435.4	1531.4	1751.1	1883.0	1936.7
52.5°	1402.9	1329.6	1411.0	1619.3	1762.5	1816.2
55°	1288.9	1232.0	1298.7	1489.1	1635.6	1697.4
57.5°	1181.5	1145.7	1191.3	1365.4	1518.4	1577.0
60°	1080.6	1056.2	1088.8	1243.4	1380.1	1451.7
62.5°	981.4	968.3	992.7	1114.8	1251.5	1326.4
65°	885.3	882.1	895.1	1002.5	1116.4	1197.8
67.5°	789.3	787.7	795.8	883.7	984.6	1064.4
70°	693.3	703.1	698.2	755.1	852.8	930.9
72.5°	595.6	610.3	602.2	638.0	732.4	794.2
75°	486.6	506.1	489.9	530.6	589.1	655.9
77.5°	374.3	395.5	375.9	411.7	475.2	522.4
80°	268.5	288.1	271.8	299.5	354.8	390.6
82.5°	169.3	183.9	170.9	198.5	253.9	279.9
85°	74.9	83.0	86.3	107.4	156.2	185.5
87.5°	3.3	1.6	3.3	21.2	55.3	81.4
90°	0.0	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - - 90°-270° - · - · 135°-315°









(END OF REPORT)