

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: P520669

Luminaire Tested: **8WSLA-125-L940-UNV-U**

Issue Date: 5/3/2021



Test Information

Test Method: LM-79-08
Report Number: P520669
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-L940-UNV-U
Description: 8 FOOT, 2500 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 4000K, 90 CRI
LEDS WITH NO UPLIGHT
Light Source: -
Ballast/Driver: -

Summary

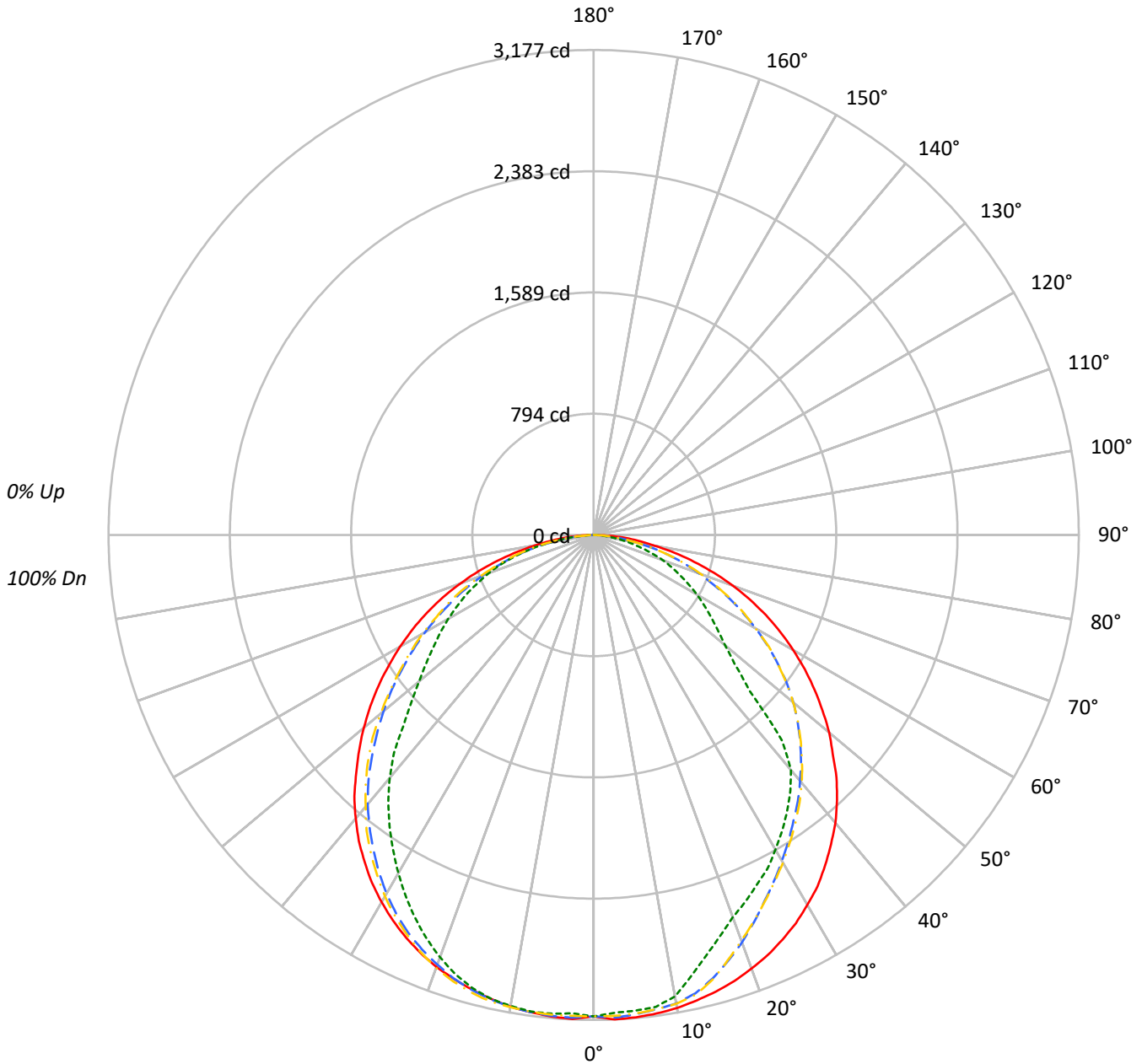
Lumens per Lamp: N/A
Luminaire Lumens: 8460.0 lumens
Efficiency: N/A
Efficacy: 108.2 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.17 / 1.33
Luminous Opening: Rectangular (W 0.5' x L: 8' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P520669

CATALOG NUMBER: 8WSLA-125-L940-UNV-U

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°	8486	8486	8486	8486
5°	8569	8450	8555	8505
10°	8599	8386	8576	8562
15°	8625	7942	8588	8559
20°	8658	7631	8624	8430
25°	8685	7505	8640	8218
30°	8695	7397	8632	7949
35°	8681	7253	8592	7653
40°	8653	7060	8516	7298
45°	8557	5486	8364	6696
50°	8429	4696	8223	6247
55°	8279	4397	8064	6009
60°	8122	4197	7876	5909
65°	7929	3975	7659	5839
70°	7614	3781	7294	5751
75°	7089	3325	6755	5471
80°	6292	2779	5900	4641
85°	5956	1985	5224	2665



TEST NUMBER: P520669

CATALOG NUMBER: 8WSLA-125-L940-UNV-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	299.7	3.5
10°-20°	854.6	10.1
20°-30°	1277.1	15.1
30°-40°	1520.2	18.0
40°-50°	1519.5	18.0
50°-60°	1307.5	15.5
60°-70°	984.1	11.6
70°-80°	560.8	6.6
80°-90°	136.5	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°	2431.4	28.7
0°-40°	3951.6	46.7
0°-60°	6778.6	80.1
0°-90°	8460.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8460.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3154	3154	3154	3154	3154	
5°	3172	3128	3167	3148	3172	302
15°	3096	2851	3083	3072	3096	875
25°	2925	2528	2910	2768	2925	1349
35°	2643	2208	2616	2330	2643	1654
45°	2248	1442	2198	1760	2248	1732
55°	1765	937	1719	1281	1765	1578
65°	1245	624	1203	917	1245	1230
75°	682	320	650	526	682	722
85°	193	64	169	86	193	210
90°	0	0	0	0	0	



TEST NUMBER: P520669

CATALOG NUMBER: 8WSLA-125-L940-UNV-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	3153.6	3153.6	3153.6	3153.6	3153.6	3153.6	3153.6	3153.6	3153.6	3153.6	3153.6
2.5°	3177.3	3148.5	3165.5	3160.4	3133.3	3143.5	3153.6	3143.5	3173.9	3146.8	3165.5
5°	3172.2	3141.8	3151.9	3141.8	3128.2	3131.6	3146.8	3136.7	3167.1	3138.4	3162.1
7.5°	3162.1	3124.8	3135.0	3129.9	3118.1	3119.8	3135.0	3126.5	3153.6	3126.5	3153.6
10°	3146.8	3107.9	3116.4	3094.4	3069.0	3087.6	3118.1	3109.6	3138.4	3107.9	3138.4
12.5°	3123.2	3084.2	3075.8	3003.0	2957.4	2992.9	3085.9	3085.9	3113.0	3084.2	3116.4
15°	3096.1	3053.8	3008.1	2898.1	2850.8	2886.3	3014.9	3058.9	3082.6	3053.8	3085.9
17.5°	3063.9	3014.9	2926.9	2798.3	2754.3	2789.9	2921.8	3018.3	3048.7	3018.3	3047.0
20°	3023.3	2965.8	2840.6	2693.4	2664.7	2696.8	2828.8	2969.2	3011.5	2974.3	2994.6
22.5°	2979.3	2910.0	2744.2	2612.2	2598.7	2619.0	2739.1	2908.3	2964.1	2925.2	2938.7
25°	2925.2	2844.0	2647.7	2537.8	2527.6	2539.5	2651.1	2837.2	2910.0	2869.4	2874.5
27.5°	2867.7	2779.7	2556.4	2475.2	2465.0	2470.1	2563.2	2757.7	2847.4	2806.8	2798.3
30°	2798.3	2703.6	2465.0	2390.6	2380.4	2399.0	2478.6	2676.5	2778.0	2737.4	2712.0
32.5°	2729.0	2620.7	2375.4	2317.8	2297.5	2314.5	2390.6	2591.9	2701.9	2659.6	2617.3
35°	2642.7	2532.7	2282.3	2224.8	2207.9	2226.5	2302.6	2503.9	2615.6	2573.3	2515.8
37.5°	2553.0	2439.6	2197.7	2145.3	2114.8	2136.8	2212.9	2412.6	2525.9	2481.9	2410.9
40°	2463.3	2341.5	2103.0	2048.8	2009.9	2042.1	2119.9	2316.1	2424.4	2383.8	2302.6
42.5°	2358.4	2243.4	2009.9	1933.8	1823.8	1927.0	2020.1	2219.7	2319.5	2280.6	2182.5
45°	2248.5	2138.5	1911.8	1727.4	1441.5	1744.3	1918.6	2118.2	2197.7	2160.5	2053.9
47.5°	2123.3	2030.2	1812.0	1531.1	1253.7	1548.0	1815.4	2021.8	2082.7	2042.1	1923.6
50°	2013.3	1921.9	1707.1	1365.3	1121.7	1383.9	1705.4	1913.5	1964.2	1927.0	1795.1
52.5°	1888.1	1808.6	1593.7	1218.1	1023.6	1236.7	1590.3	1801.8	1842.4	1798.4	1666.5
55°	1764.6	1693.5	1473.6	1087.9	937.3	1104.8	1470.2	1686.8	1718.9	1668.2	1531.1
57.5°	1639.4	1575.1	1350.1	971.1	857.8	989.7	1358.6	1568.3	1590.3	1526.0	1400.9
60°	1509.1	1455.0	1224.9	867.9	779.9	883.1	1221.5	1449.9	1463.5	1394.1	1274.0
62.5°	1378.9	1329.8	1099.7	773.2	700.4	783.3	1108.2	1324.7	1333.2	1267.2	1143.7
65°	1245.2	1199.5	977.9	673.4	624.3	690.3	986.3	1194.4	1202.9	1128.5	1016.8
67.5°	1106.5	1069.2	847.6	597.2	551.5	602.3	864.5	1062.5	1067.6	994.8	893.3
70°	967.7	935.6	732.6	514.3	480.5	516.0	744.4	917.0	927.1	849.3	768.1
72.5°	825.6	800.2	620.9	428.0	397.6	428.0	627.7	783.3	790.1	725.8	646.3
75°	681.8	663.2	507.6	343.4	319.8	341.8	510.9	649.7	649.7	588.8	526.2
77.5°	543.1	529.5	389.1	263.9	247.0	260.5	390.8	514.3	510.9	463.6	414.5
80°	406.0	395.9	279.2	191.2	179.3	186.1	279.2	380.7	380.7	346.8	287.6
82.5°	291.0	279.2	184.4	125.2	118.4	121.8	181.0	265.6	270.7	245.3	194.6
85°	192.9	165.8	99.8	69.4	64.3	66.0	94.7	154.0	169.2	142.1	101.5
87.5°	84.6	55.8	25.4	10.2	5.1	6.8	20.3	49.1	64.3	42.3	13.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P520669

CATALOG NUMBER: 8WSLA-125-L940-UNV-U

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	3153.6	3153.6	3153.6	3153.6	3153.6	3153.6
2.5°	3163.8	3136.7	3146.8	3153.6	3146.8	3177.3
5°	3160.4	3148.5	3146.8	3155.3	3141.8	3172.2
7.5°	3155.3	3148.5	3146.8	3150.2	3133.3	3162.1
10°	3143.5	3133.3	3136.7	3141.8	3119.8	3146.8
12.5°	3121.5	3111.3	3113.0	3129.9	3099.5	3123.2
15°	3084.2	3072.4	3084.2	3102.9	3075.8	3096.1
17.5°	3035.2	3016.6	3036.9	3065.6	3045.3	3063.9
20°	2972.6	2943.8	2965.8	3018.3	2999.7	3023.3
22.5°	2896.4	2860.9	2882.9	2959.0	2954.0	2979.3
25°	2810.2	2767.9	2798.3	2891.4	2901.5	2925.2
27.5°	2713.7	2666.4	2707.0	2816.9	2840.6	2867.7
30°	2608.8	2558.1	2605.4	2734.0	2769.6	2798.3
32.5°	2500.6	2444.7	2498.9	2641.0	2691.7	2729.0
35°	2387.2	2329.7	2390.6	2544.5	2605.4	2642.7
37.5°	2265.4	2209.6	2275.5	2443.0	2515.8	2553.0
40°	2140.2	2077.6	2152.0	2322.9	2419.3	2463.3
42.5°	2011.6	1933.8	2025.1	2209.6	2314.5	2358.4
45°	1867.8	1759.5	1883.0	2089.4	2199.4	2248.5
47.5°	1724.0	1615.7	1740.9	1960.9	2079.3	2123.3
50°	1585.3	1492.2	1592.0	1820.4	1957.5	2013.3
52.5°	1458.4	1382.2	1466.8	1683.4	1832.3	1888.1
55°	1339.9	1280.7	1350.1	1548.0	1700.3	1764.6
57.5°	1228.3	1191.1	1238.4	1419.5	1578.5	1639.4
60°	1123.4	1098.0	1131.8	1292.6	1434.7	1509.1
62.5°	1020.2	1006.7	1032.0	1158.9	1301.0	1378.9
65°	920.4	917.0	930.5	1042.2	1160.6	1245.2
67.5°	820.5	818.9	827.3	918.7	1023.6	1106.5
70°	720.7	730.9	725.8	785.0	886.5	967.7
72.5°	619.2	634.4	626.0	663.2	761.3	825.6
75°	505.9	526.2	509.2	551.5	612.4	681.8
77.5°	389.1	411.1	390.8	428.0	494.0	543.1
80°	279.2	299.5	282.5	311.3	368.8	406.0
82.5°	176.0	191.2	177.6	206.4	263.9	291.0
85°	77.8	86.3	89.7	111.7	162.4	192.9
87.5°	3.4	1.7	3.4	22.0	57.5	84.6
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)