

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: P520666

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

Issue Date: 5/3/2021



Test Information

Test Method: LM-79-08
Report Number: P520666
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-L935-UNV-U
Description: 8 FOOT, 2500 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3500K, 90 CRI
LEDS WITH NO UPLIGHT
Light Source: -
Ballast/Driver: -

Summary

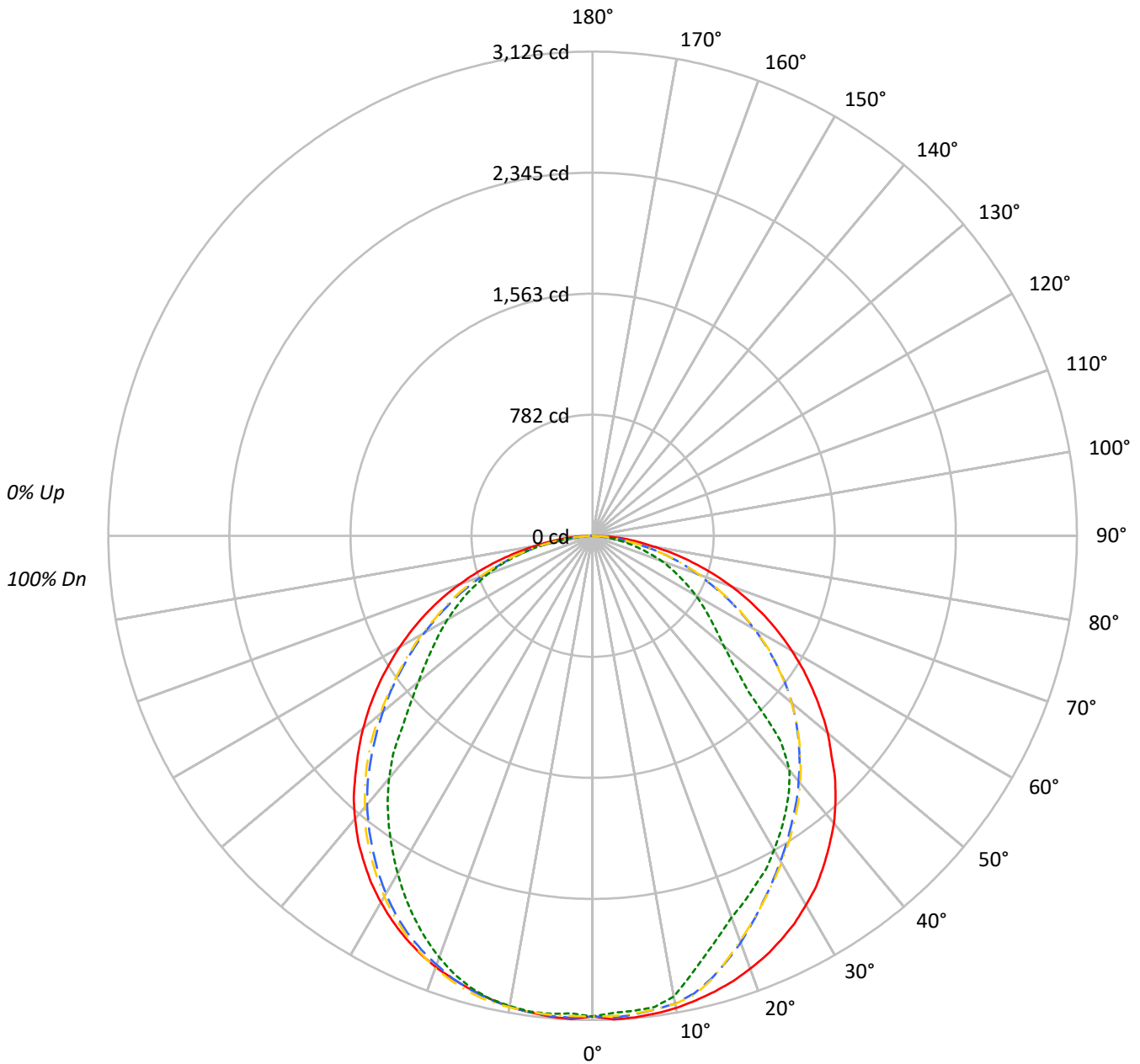
Lumens per Lamp: N/A
Luminaire Lumens: 8324.0 lumens
Efficiency: N/A
Efficacy: 106.4 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.17 / 1.33
Luminous Opening: Rectangular (W 0.5' x L: 8' x H: 0')
CIE Type: Direct

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: P520666

CATALOG NUMBER: 8WSLA-125-L935-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°	8350	8350	8350	8350
5°	8431	8314	8418	8368
10°	8461	8251	8438	8424
15°	8487	7814	8450	8422
20°	8519	7508	8485	8295
25°	8546	7384	8501	8086
30°	8555	7278	8493	7821
35°	8542	7137	8454	7530
40°	8514	6947	8379	7181
45°	8419	5398	8229	6588
50°	8293	4621	8091	6147
55°	8146	4327	7935	5912
60°	7992	4130	7749	5815
65°	7801	3911	7536	5745
70°	7492	3720	7177	5658
75°	6975	3271	6646	5383
80°	6191	2735	5804	4565
85°	5860	1954	5141	2621



TEST NUMBER: P520666

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	294.8	3.5
10°-20°	840.9	10.1
20°-30°	1256.6	15.1
30°-40°	1495.7	18.0
40°-50°	1495.1	18.0
50°-60°	1286.5	15.5
60°-70°	968.3	11.6
70°-80°	551.8	6.6
80°-90°	134.3	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°	2392.3	28.7
0°-40°	3888.0	46.7
0°-60°	6669.6	80.1
0°-90°	8324.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8324.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3103	3103	3103	3103	3103	
5°	3121	3078	3116	3098	3121	297
15°	3046	2805	3033	3023	3046	861
25°	2878	2487	2863	2723	2878	1327
35°	2600	2172	2574	2292	2600	1627
45°	2212	1418	2162	1731	2212	1704
55°	1736	922	1691	1260	1736	1552
65°	1225	614	1184	902	1225	1210
75°	671	315	639	518	671	710
85°	190	63	166	85	190	207
90°	0	0	0	0	0	



TEST NUMBER: P520666

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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	3102.9	3102.9	3102.9	3102.9	3102.9	3102.9	3102.9	3102.9	3102.9	3102.9	3102.9
2.5°	3126.2	3097.9	3114.6	3109.6	3082.9	3092.9	3102.9	3092.9	3122.9	3096.3	3114.6
5°	3121.2	3091.3	3101.2	3091.3	3077.9	3081.3	3096.3	3086.3	3116.2	3087.9	3111.2
7.5°	3111.2	3074.6	3084.6	3079.6	3068.0	3069.6	3084.6	3076.3	3102.9	3076.3	3102.9
10°	3096.3	3058.0	3066.3	3044.6	3019.7	3038.0	3068.0	3059.6	3087.9	3058.0	3087.9
12.5°	3072.9	3034.7	3026.3	2954.8	2909.8	2944.8	3036.3	3036.3	3063.0	3034.7	3066.3
15°	3046.3	3004.7	2959.8	2851.5	2804.9	2839.9	2966.4	3009.7	3033.0	3004.7	3036.3
17.5°	3014.7	2966.4	2879.8	2753.3	2710.1	2745.0	2874.9	2969.7	2999.7	2969.7	2998.0
20°	2974.7	2918.1	2795.0	2650.1	2621.8	2653.5	2783.3	2921.5	2963.1	2926.5	2946.4
22.5°	2931.5	2863.2	2700.1	2570.2	2556.9	2576.9	2695.1	2861.5	2916.5	2878.2	2891.5
25°	2878.2	2798.3	2605.2	2497.0	2487.0	2498.6	2608.5	2791.6	2863.2	2823.3	2828.2
27.5°	2821.6	2735.0	2515.3	2435.4	2425.4	2430.4	2521.9	2713.4	2801.6	2761.7	2753.3
30°	2753.3	2660.1	2425.4	2352.2	2342.2	2360.5	2438.7	2633.5	2733.4	2693.4	2668.4
32.5°	2685.1	2578.5	2337.2	2280.6	2260.6	2277.2	2352.2	2550.2	2658.4	2616.8	2575.2
35°	2600.2	2492.0	2245.6	2189.0	2172.4	2190.7	2265.6	2463.7	2573.6	2531.9	2475.3
37.5°	2512.0	2400.4	2162.4	2110.8	2080.8	2102.5	2177.4	2373.8	2485.3	2442.0	2372.1
40°	2423.7	2303.9	2069.2	2015.9	1977.6	2009.2	2085.8	2278.9	2385.4	2345.5	2265.6
42.5°	2320.5	2207.3	1977.6	1902.7	1794.5	1896.0	1987.6	2184.0	2282.2	2244.0	2147.4
45°	2212.3	2104.1	1881.1	1699.6	1418.3	1716.3	1887.7	2084.1	2162.4	2125.8	2020.9
47.5°	2089.1	1997.6	1782.8	1506.5	1233.5	1523.2	1786.2	1989.3	2049.2	2009.2	1892.7
50°	1980.9	1891.0	1679.6	1343.4	1103.7	1361.7	1678.0	1882.7	1932.7	1896.0	1766.2
52.5°	1857.8	1779.5	1568.1	1198.5	1007.1	1216.9	1564.8	1772.9	1812.8	1769.5	1639.7
55°	1736.2	1666.3	1449.9	1070.4	922.2	1087.0	1446.6	1659.7	1691.3	1641.3	1506.5
57.5°	1613.0	1549.8	1328.4	955.5	844.0	973.8	1336.7	1543.1	1564.8	1501.5	1378.3
60°	1484.9	1431.6	1205.2	854.0	767.4	868.9	1201.9	1426.6	1439.9	1371.7	1253.5
62.5°	1356.7	1308.4	1082.0	760.7	689.2	770.7	1090.3	1303.4	1311.7	1246.8	1125.3
65°	1225.2	1180.2	962.2	662.5	614.3	679.2	970.5	1175.2	1183.6	1110.3	1000.5
67.5°	1088.7	1052.1	834.0	587.6	542.7	592.6	850.6	1045.4	1050.4	978.8	878.9
70°	952.2	920.6	720.8	506.1	472.8	507.7	732.4	902.2	912.2	835.7	755.8
72.5°	812.4	787.4	610.9	421.2	391.2	421.2	617.6	770.7	777.4	714.1	635.9
75°	670.9	652.5	499.4	337.9	314.6	336.3	502.7	639.2	639.2	579.3	517.7
77.5°	534.4	521.0	382.9	259.7	243.0	256.4	384.5	506.1	502.7	456.1	407.8
80°	399.5	389.5	274.7	188.1	176.5	183.1	274.7	374.5	374.5	341.3	283.0
82.5°	286.3	274.7	181.4	123.2	116.5	119.9	178.1	261.4	266.3	241.4	191.4
85°	189.8	163.1	98.2	68.3	63.3	64.9	93.2	151.5	166.5	139.8	99.9
87.5°	83.2	54.9	25.0	10.0	5.0	6.7	20.0	48.3	63.3	41.6	13.3
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: P520666

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

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	3102.9	3102.9	3102.9	3102.9	3102.9	3102.9
2.5°	3112.9	3086.3	3096.3	3102.9	3096.3	3126.2
5°	3109.6	3097.9	3096.3	3104.6	3091.3	3121.2
7.5°	3104.6	3097.9	3096.3	3099.6	3082.9	3111.2
10°	3092.9	3082.9	3086.3	3091.3	3069.6	3096.3
12.5°	3071.3	3061.3	3063.0	3079.6	3049.6	3072.9
15°	3034.7	3023.0	3034.7	3053.0	3026.3	3046.3
17.5°	2986.4	2968.1	2988.1	3016.4	2996.4	3014.7
20°	2924.8	2896.5	2918.1	2969.7	2951.4	2974.7
22.5°	2849.9	2814.9	2836.6	2911.5	2906.5	2931.5
25°	2765.0	2723.4	2753.3	2844.9	2854.9	2878.2
27.5°	2670.1	2623.5	2663.4	2771.6	2795.0	2821.6
30°	2566.9	2517.0	2563.6	2690.1	2725.0	2753.3
32.5°	2460.4	2405.4	2458.7	2598.5	2648.5	2685.1
35°	2348.8	2292.2	2352.2	2503.6	2563.6	2600.2
37.5°	2229.0	2174.0	2239.0	2403.8	2475.3	2512.0
40°	2105.8	2044.2	2117.4	2285.6	2380.5	2423.7
42.5°	1979.3	1902.7	1992.6	2174.0	2277.2	2320.5
45°	1837.8	1731.2	1852.8	2055.8	2164.0	2212.3
47.5°	1696.3	1589.7	1712.9	1929.3	2045.9	2089.1
50°	1559.8	1468.2	1566.4	1791.2	1926.0	1980.9
52.5°	1434.9	1360.0	1443.3	1656.3	1802.8	1857.8
55°	1318.4	1260.1	1328.4	1523.2	1673.0	1736.2
57.5°	1208.5	1171.9	1218.5	1396.6	1553.1	1613.0
60°	1105.3	1080.4	1113.7	1271.8	1411.6	1484.9
62.5°	1003.8	990.5	1015.4	1140.3	1280.1	1356.7
65°	905.6	902.2	915.6	1025.4	1142.0	1225.2
67.5°	807.4	805.7	814.0	903.9	1007.1	1088.7
70°	709.1	719.1	714.1	772.4	872.3	952.2
72.5°	609.3	624.2	615.9	652.5	749.1	812.4
75°	497.7	517.7	501.1	542.7	602.6	670.9
77.5°	382.9	404.5	384.5	421.2	486.1	534.4
80°	274.7	294.6	278.0	306.3	362.9	399.5
82.5°	173.1	188.1	174.8	203.1	259.7	286.3
85°	76.6	84.9	88.2	109.9	159.8	189.8
87.5°	3.3	1.7	3.3	21.6	56.6	83.2
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)