

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: P520642

Luminaire Tested: **8WSLA-100-L935-UNV-U**

Issue Date: 5/3/2021



Test Information

Test Method: LM-79-08
Report Number: P520642
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-100-L935-UNV-U
Description: 8 FOOT, 2000 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3500K, 90 CRI
LEDS WITH NO UPLIGHT
Light Source: -
Ballast/Driver: -

Summary

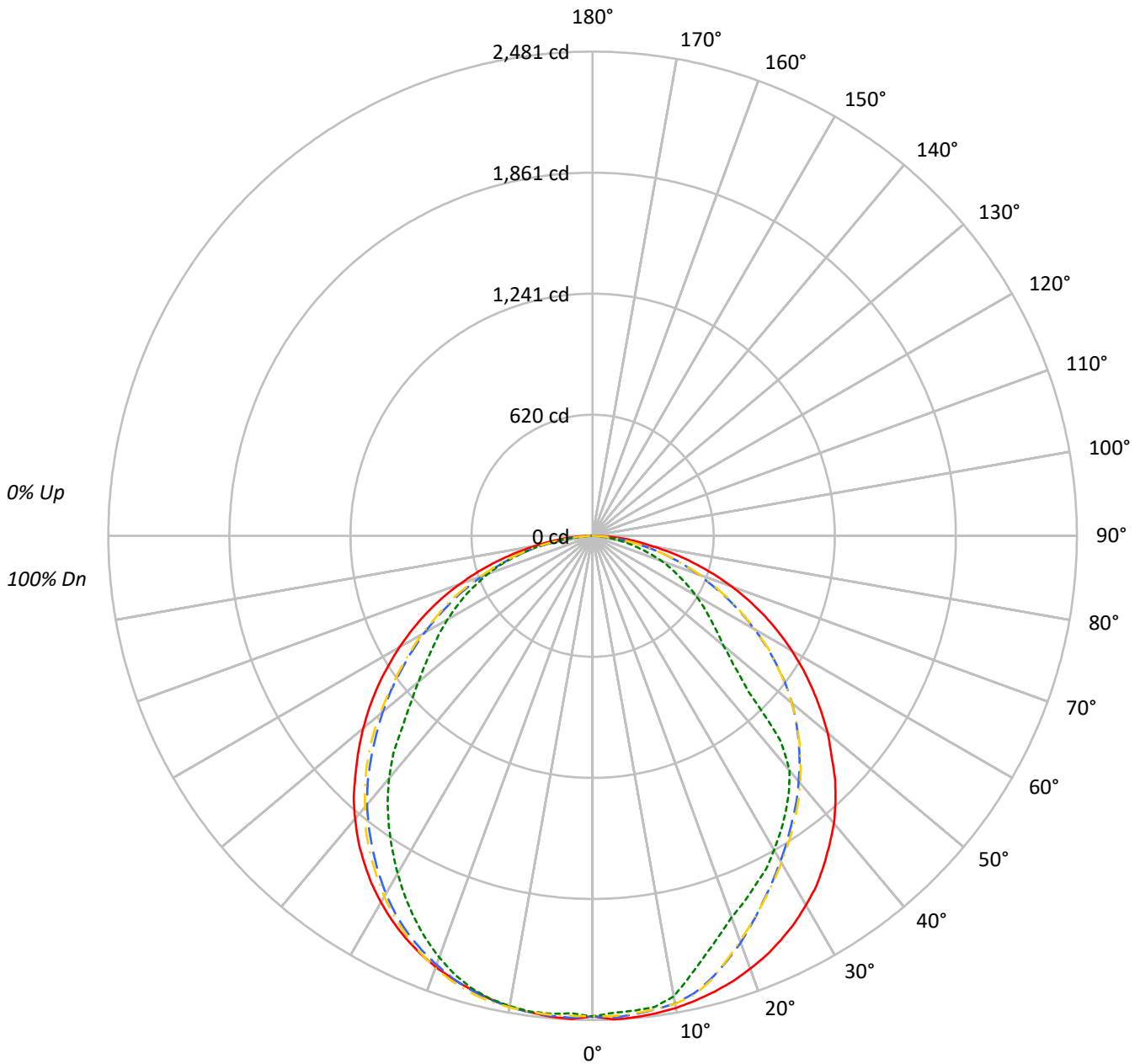
Lumens per Lamp: N/A
Luminaire Lumens: 6606.0 lumens
Efficiency: N/A
Efficacy: 104.2 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.17 / 1.33
Luminous Opening: Rectangular (W 0.5' x L: 8' x H: 0')
CIE Type: Direct

Input Watts (W): 63.4
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°	6627	6627	6627	6627
5°	6691	6598	6680	6641
10°	6714	6548	6696	6685
15°	6735	6201	6706	6684
20°	6761	5958	6734	6583
25°	6782	5860	6747	6417
30°	6790	5776	6740	6207
35°	6779	5663	6709	5976
40°	6757	5513	6650	5699
45°	6682	4284	6531	5229
50°	6581	3667	6421	4878
55°	6465	3434	6297	4692
60°	6342	3278	6150	4614
65°	6191	3104	5981	4559
70°	5946	2952	5696	4490
75°	5535	2596	5274	4272
80°	4914	2170	4606	3623
85°	4650	1550	4079	2081



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.0	3.5
10°-20°	667.4	10.1
20°-30°	997.2	15.1
30°-40°	1187.0	18.0
40°-50°	1186.5	18.0
50°-60°	1021.0	15.5
60°-70°	768.4	11.6
70°-80°	437.9	6.6
80°-90°	106.6	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°	1898.6	28.7
0°-40°	3085.6	46.7
0°-60°	5293.1	80.1
0°-90°	6606.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6606.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2462	2462	2462	2462	2462	
5°	2477	2443	2473	2458	2477	236
15°	2418	2226	2407	2399	2418	683
25°	2284	1974	2272	2161	2284	1053
35°	2064	1724	2042	1819	2064	1291
45°	1756	1126	1716	1374	1756	1352
55°	1378	732	1342	1000	1378	1232
65°	972	488	939	716	972	960
75°	532	250	507	411	532	564
85°	151	50	132	67	151	164
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°	2462.5	2462.5	2462.5	2462.5	2462.5	2462.5	2462.5	2462.5	2462.5	2462.5	2462.5
2.5°	2481.0	2458.5	2471.7	2467.8	2446.6	2454.6	2462.5	2454.6	2478.4	2457.2	2471.7
5°	2477.0	2453.3	2461.2	2453.3	2442.7	2445.3	2457.2	2449.3	2473.1	2450.6	2469.1
7.5°	2469.1	2440.0	2448.0	2444.0	2434.8	2436.1	2448.0	2441.4	2462.5	2441.4	2462.5
10°	2457.2	2426.8	2433.4	2416.3	2396.4	2411.0	2434.8	2428.2	2450.6	2426.8	2450.6
12.5°	2438.7	2408.3	2401.7	2344.9	2309.3	2337.0	2409.7	2409.7	2430.8	2408.3	2433.4
15°	2417.6	2384.6	2348.9	2263.0	2226.0	2253.8	2354.2	2388.5	2407.0	2384.6	2409.7
17.5°	2392.5	2354.2	2285.5	2185.1	2150.7	2178.5	2281.5	2356.8	2380.6	2356.8	2379.3
20°	2360.8	2315.9	2218.1	2103.2	2080.7	2105.8	2208.9	2318.5	2351.5	2322.5	2338.3
22.5°	2326.4	2272.3	2142.8	2039.8	2029.2	2045.0	2138.8	2270.9	2314.5	2284.2	2294.7
25°	2284.2	2220.7	2067.5	1981.6	1973.7	1982.9	2070.1	2215.5	2272.3	2240.6	2244.5
27.5°	2239.2	2170.5	1996.2	1932.7	1924.8	1928.8	2001.4	2153.4	2223.4	2191.7	2185.1
30°	2185.1	2111.1	1924.8	1866.7	1858.8	1873.3	1935.4	2090.0	2169.2	2137.5	2117.7
32.5°	2130.9	2046.4	1854.8	1809.9	1794.0	1807.2	1866.7	2023.9	2109.8	2076.7	2043.7
35°	2063.5	1977.7	1782.1	1737.2	1724.0	1738.5	1798.0	1955.2	2042.4	2009.4	1964.5
37.5°	1993.5	1905.0	1716.1	1675.1	1651.4	1668.5	1728.0	1883.9	1972.4	1938.0	1882.5
40°	1923.5	1828.4	1642.1	1599.8	1569.4	1594.5	1655.3	1808.6	1893.1	1861.4	1798.0
42.5°	1841.6	1751.8	1569.4	1510.0	1424.1	1504.7	1577.4	1733.3	1811.2	1780.8	1704.2
45°	1755.7	1669.8	1492.8	1348.8	1125.6	1362.0	1498.1	1654.0	1716.1	1687.0	1603.8
47.5°	1658.0	1585.3	1414.9	1195.6	978.9	1208.8	1417.5	1578.7	1626.3	1594.5	1502.1
50°	1572.1	1500.8	1333.0	1066.1	875.9	1080.6	1331.7	1494.1	1533.8	1504.7	1401.7
52.5°	1474.3	1412.2	1244.5	951.2	799.3	965.7	1241.8	1407.0	1438.7	1404.3	1301.3
55°	1377.9	1322.4	1150.7	849.5	731.9	862.7	1148.0	1317.1	1342.2	1302.6	1195.6
57.5°	1280.1	1229.9	1054.2	758.3	669.8	772.8	1060.8	1224.6	1241.8	1191.6	1093.9
60°	1178.4	1136.1	956.5	677.7	609.0	689.6	953.8	1132.2	1142.7	1088.6	994.8
62.5°	1076.7	1038.4	858.7	603.7	546.9	611.7	865.3	1034.4	1041.0	989.5	893.1
65°	972.3	936.6	763.6	525.8	487.5	539.0	770.2	932.7	939.3	881.2	794.0
67.5°	864.0	834.9	661.9	466.3	430.7	470.3	675.1	829.6	833.6	776.8	697.5
70°	755.7	730.6	572.0	401.6	375.2	402.9	581.3	716.0	724.0	663.2	599.8
72.5°	644.7	624.9	484.8	334.2	310.5	334.2	490.1	611.7	616.9	566.7	504.7
75°	532.4	517.9	396.3	268.2	249.7	266.9	399.0	507.3	507.3	459.7	410.9
77.5°	424.1	413.5	303.8	206.1	192.9	203.4	305.2	401.6	399.0	362.0	323.7
80°	317.1	309.1	218.0	149.3	140.0	145.3	218.0	297.2	297.2	270.8	224.6
82.5°	227.2	218.0	144.0	97.8	92.5	95.1	141.4	207.4	211.4	191.6	151.9
85°	150.6	129.5	77.9	54.2	50.2	51.5	74.0	120.2	132.1	111.0	79.3
87.5°	66.1	43.6	19.8	7.9	4.0	5.3	15.9	38.3	50.2	33.0	10.6
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°	2462.5	2462.5	2462.5	2462.5	2462.5	2462.5
2.5°	2470.4	2449.3	2457.2	2462.5	2457.2	2481.0
5°	2467.8	2458.5	2457.2	2463.8	2453.3	2477.0
7.5°	2463.8	2458.5	2457.2	2459.9	2446.6	2469.1
10°	2454.6	2446.6	2449.3	2453.3	2436.1	2457.2
12.5°	2437.4	2429.5	2430.8	2444.0	2420.2	2438.7
15°	2408.3	2399.1	2408.3	2422.9	2401.7	2417.6
17.5°	2370.0	2355.5	2371.3	2393.8	2377.9	2392.5
20°	2321.1	2298.7	2315.9	2356.8	2342.3	2360.8
22.5°	2261.7	2234.0	2251.1	2310.6	2306.6	2326.4
25°	2194.3	2161.3	2185.1	2257.7	2265.7	2284.2
27.5°	2119.0	2082.0	2113.7	2199.6	2218.1	2239.2
30°	2037.1	1997.5	2034.5	2134.9	2162.6	2185.1
32.5°	1952.6	1909.0	1951.2	2062.2	2101.8	2130.9
35°	1864.0	1819.1	1866.7	1986.9	2034.5	2063.5
37.5°	1768.9	1725.3	1776.9	1907.6	1964.5	1993.5
40°	1671.2	1622.3	1680.4	1813.8	1889.1	1923.5
42.5°	1570.8	1510.0	1581.3	1725.3	1807.2	1841.6
45°	1458.5	1373.9	1470.4	1631.5	1717.4	1755.7
47.5°	1346.2	1261.6	1359.4	1531.1	1623.6	1658.0
50°	1237.9	1165.2	1243.1	1421.5	1528.5	1572.1
52.5°	1138.8	1079.3	1145.4	1314.5	1430.7	1474.3
55°	1046.3	1000.1	1054.2	1208.8	1327.7	1377.9
57.5°	959.1	930.0	967.0	1108.4	1232.6	1280.1
60°	877.2	857.4	883.8	1009.3	1120.3	1178.4
62.5°	796.6	786.0	805.9	904.9	1015.9	1076.7
65°	718.7	716.0	726.6	813.8	906.3	972.3
67.5°	640.7	639.4	646.0	717.3	799.3	864.0
70°	562.8	570.7	566.7	613.0	692.2	755.7
72.5°	483.5	495.4	488.8	517.9	594.5	644.7
75°	395.0	410.9	397.6	430.7	478.2	532.4
77.5°	303.8	321.0	305.2	334.2	385.8	424.1
80°	218.0	233.8	220.6	243.1	288.0	317.1
82.5°	137.4	149.3	138.7	161.2	206.1	227.2
85°	60.8	67.4	70.0	87.2	126.8	150.6
87.5°	2.6	1.3	2.6	17.2	44.9	66.1
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)