

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: P520639

Luminaire Tested: **8WSLA-100-L930-UNV-U**

Issue Date: 5/3/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P520639  
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-L930-UNV-U  
Description: 8 FOOT, 2000 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3000K, 90 CRI  
LEDS WITH NO UPLIGHT  
Light Source: -  
Ballast/Driver: -

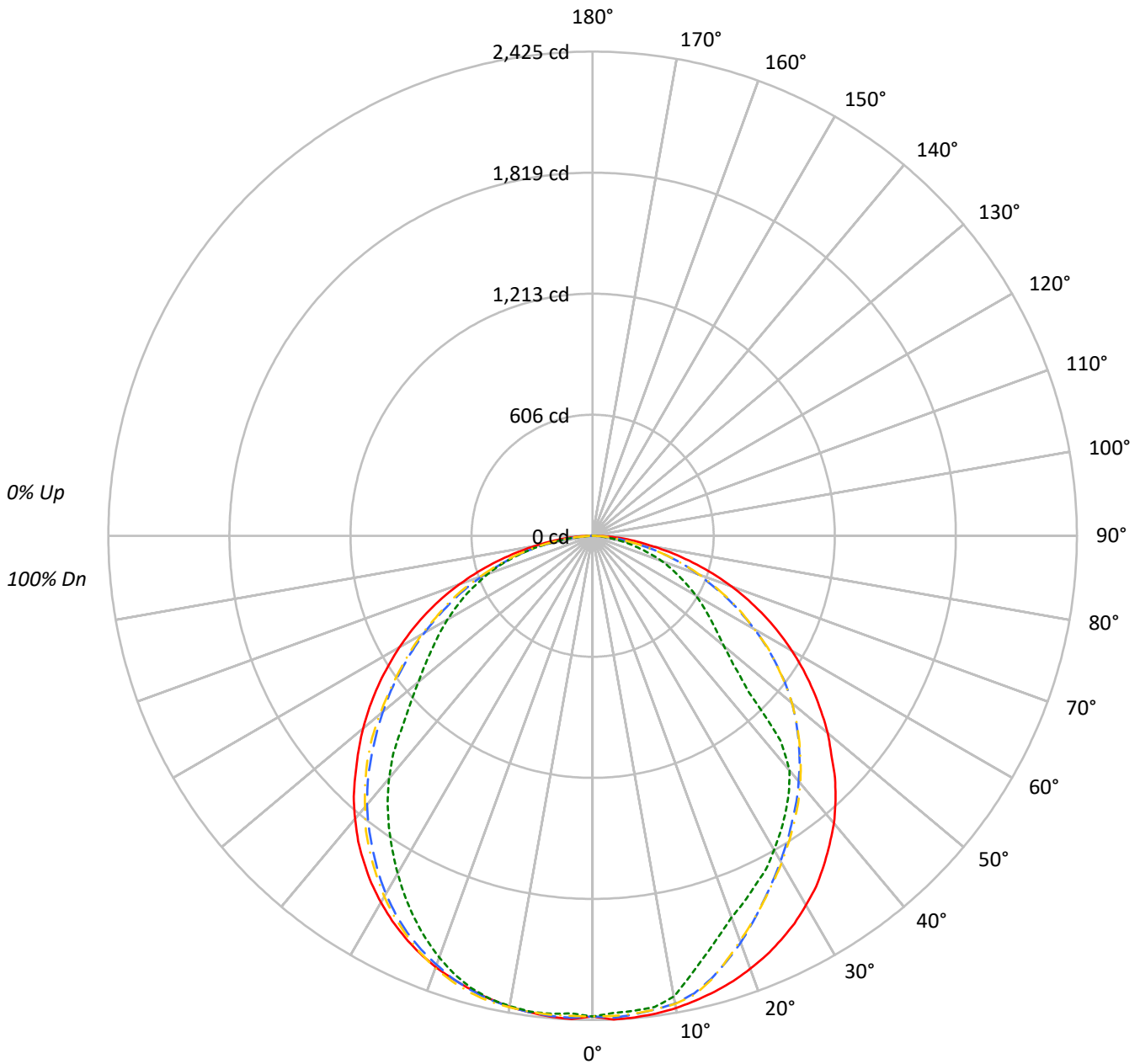
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6458.0 lumens  
Efficiency: N/A  
Efficacy: 101.9 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<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	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°	6478	6478	6478	6478
5°	6541	6451	6531	6492
10°	6564	6402	6546	6536
15°	6584	6063	6556	6534
20°	6609	5825	6583	6435
25°	6630	5729	6596	6274
30°	6637	5646	6589	6068
35°	6627	5537	6559	5842
40°	6606	5390	6501	5571
45°	6532	4187	6384	5111
50°	6434	3585	6277	4769
55°	6320	3357	6156	4587
60°	6200	3204	6012	4511
65°	6052	3035	5847	4457
70°	5812	2886	5568	4389
75°	5412	2538	5156	4177
80°	4804	2122	4503	3543
85°	4545	1516	3986	2035



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	228.7	3.5
10°-20°	652.4	10.1
20°-30°	974.9	15.1
30°-40°	1160.4	18.0
40°-50°	1159.9	18.0
50°-60°	998.1	15.5
60°-70°	751.2	11.6
70°-80°	428.1	6.6
80°-90°	104.2	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°	1856.0	28.7
0°-40°	3016.5	46.7
0°-60°	5174.5	80.1
0°-90°	6458.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6458.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2407	2407	2407	2407	2407	
5°	2422	2388	2418	2404	2422	230
15°	2363	2176	2353	2345	2363	668
25°	2233	1930	2221	2113	2233	1030
35°	2017	1685	1997	1778	2017	1262
45°	1716	1100	1678	1343	1716	1322
55°	1347	716	1312	978	1347	1204
65°	950	477	918	700	950	939
75°	520	244	496	402	520	551
85°	147	49	129	66	147	160
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°	2407.3	2407.3	2407.3	2407.3	2407.3	2407.3	2407.3	2407.3	2407.3	2407.3	2407.3
2.5°	2425.4	2403.5	2416.4	2412.5	2391.8	2399.6	2407.3	2399.6	2422.8	2402.2	2416.4
5°	2421.5	2398.3	2406.0	2398.3	2388.0	2390.5	2402.2	2394.4	2417.7	2395.7	2413.8
7.5°	2413.8	2385.4	2393.1	2389.2	2380.2	2381.5	2393.1	2386.7	2407.3	2386.7	2407.3
10°	2402.2	2372.5	2378.9	2362.1	2342.8	2357.0	2380.2	2373.8	2395.7	2372.5	2395.7
12.5°	2384.1	2354.4	2347.9	2292.4	2257.5	2284.6	2355.7	2355.7	2376.3	2354.4	2378.9
15°	2363.4	2331.1	2296.3	2212.3	2176.2	2203.3	2301.4	2335.0	2353.1	2331.1	2355.7
17.5°	2338.9	2301.4	2234.3	2136.1	2102.5	2129.7	2230.4	2304.0	2327.3	2304.0	2326.0
20°	2307.9	2264.0	2168.4	2056.0	2034.1	2058.6	2159.4	2266.6	2298.8	2270.4	2285.9
22.5°	2274.3	2221.4	2094.8	1994.1	1983.7	1999.2	2090.9	2220.1	2262.7	2233.0	2243.3
25°	2233.0	2171.0	2021.2	1937.2	1929.5	1938.5	2023.8	2165.8	2221.4	2190.4	2194.2
27.5°	2189.1	2121.9	1951.4	1889.4	1881.7	1885.6	1956.6	2105.1	2173.6	2142.6	2136.1
30°	2136.1	2063.8	1881.7	1824.9	1817.1	1831.3	1892.0	2043.1	2120.6	2089.6	2070.3
32.5°	2083.2	2000.5	1813.2	1769.3	1753.8	1766.8	1824.9	1978.6	2062.5	2030.2	1997.9
35°	2017.3	1933.4	1742.2	1698.3	1685.4	1699.6	1757.7	1911.4	1996.6	1964.3	1920.4
37.5°	1948.9	1862.3	1677.6	1637.6	1614.4	1631.1	1689.3	1841.7	1928.2	1894.6	1840.4
40°	1880.4	1787.4	1605.3	1564.0	1534.3	1558.8	1618.2	1768.0	1850.7	1819.7	1757.7
42.5°	1800.3	1712.5	1534.3	1476.2	1392.2	1471.0	1542.0	1694.4	1770.6	1740.9	1666.0
45°	1716.4	1632.4	1459.4	1318.6	1100.3	1331.5	1464.5	1616.9	1677.6	1649.2	1567.9
47.5°	1620.8	1549.8	1383.2	1168.8	957.0	1181.7	1385.8	1543.3	1589.8	1558.8	1468.4
50°	1536.9	1467.1	1303.1	1042.2	856.3	1056.4	1301.8	1460.7	1499.4	1471.0	1370.3
52.5°	1441.3	1380.6	1216.6	929.9	781.3	944.1	1214.0	1375.4	1406.4	1372.8	1272.1
55°	1347.0	1292.8	1124.9	830.4	715.5	843.3	1122.3	1287.6	1312.1	1273.4	1168.8
57.5°	1251.4	1202.4	1030.6	741.3	654.8	755.5	1037.1	1197.2	1214.0	1164.9	1069.4
60°	1152.0	1110.7	935.0	662.5	595.4	674.2	932.5	1106.8	1117.1	1064.2	972.5
62.5°	1052.6	1015.1	839.5	590.2	534.7	598.0	845.9	1011.2	1017.7	967.3	873.0
65°	950.5	915.7	746.5	514.0	476.6	526.9	752.9	911.8	918.2	861.4	776.2
67.5°	844.6	816.2	647.0	455.9	421.0	459.8	659.9	811.1	814.9	759.4	681.9
70°	738.7	714.2	559.2	392.6	366.8	393.9	568.3	700.0	707.7	648.3	586.3
72.5°	630.2	610.9	474.0	326.7	303.5	326.7	479.1	598.0	603.1	554.0	493.3
75°	520.5	506.3	387.4	262.2	244.1	260.9	390.0	495.9	495.9	449.4	401.7
77.5°	414.6	404.2	297.0	201.5	188.6	198.9	298.3	392.6	390.0	353.9	316.4
80°	310.0	302.2	213.1	145.9	136.9	142.1	213.1	290.6	290.6	264.8	219.6
82.5°	222.1	213.1	140.8	95.6	90.4	93.0	138.2	202.8	206.6	187.3	148.5
85°	147.2	126.6	76.2	53.0	49.1	50.4	72.3	117.5	129.1	108.5	77.5
87.5°	64.6	42.6	19.4	7.7	3.9	5.2	15.5	37.5	49.1	32.3	10.3
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°	2407.3	2407.3	2407.3	2407.3	2407.3	2407.3
2.5°	2415.1	2394.4	2402.2	2407.3	2402.2	2425.4
5°	2412.5	2403.5	2402.2	2408.6	2398.3	2421.5
7.5°	2408.6	2403.5	2402.2	2404.7	2391.8	2413.8
10°	2399.6	2391.8	2394.4	2398.3	2381.5	2402.2
12.5°	2382.8	2375.0	2376.3	2389.2	2366.0	2384.1
15°	2354.4	2345.3	2354.4	2368.6	2347.9	2363.4
17.5°	2316.9	2302.7	2318.2	2340.2	2324.7	2338.9
20°	2269.1	2247.2	2264.0	2304.0	2289.8	2307.9
22.5°	2211.0	2183.9	2200.7	2258.8	2254.9	2274.3
25°	2145.2	2112.9	2136.1	2207.1	2214.9	2233.0
27.5°	2071.5	2035.4	2066.4	2150.3	2168.4	2189.1
30°	1991.5	1952.7	1988.9	2087.0	2114.2	2136.1
32.5°	1908.8	1866.2	1907.5	2016.0	2054.8	2083.2
35°	1822.3	1778.4	1824.9	1942.4	1988.9	2017.3
37.5°	1729.3	1686.7	1737.0	1864.9	1920.4	1948.9
40°	1633.7	1585.9	1642.8	1773.2	1846.8	1880.4
42.5°	1535.6	1476.2	1545.9	1686.7	1766.8	1800.3
45°	1425.8	1343.1	1437.4	1595.0	1678.9	1716.4
47.5°	1316.0	1233.4	1328.9	1496.8	1587.2	1620.8
50°	1210.1	1139.1	1215.3	1389.6	1494.2	1536.9
52.5°	1113.3	1055.1	1119.7	1285.0	1398.7	1441.3
55°	1022.9	977.7	1030.6	1181.7	1297.9	1347.0
57.5°	937.6	909.2	945.4	1083.6	1205.0	1251.4
60°	857.5	838.2	864.0	986.7	1095.2	1152.0
62.5°	778.8	768.4	787.8	884.7	993.2	1052.6
65°	702.6	700.0	710.3	795.6	886.0	950.5
67.5°	626.4	625.1	631.5	701.3	781.3	844.6
70°	550.2	557.9	554.0	599.2	676.7	738.7
72.5°	472.7	484.3	477.8	506.3	581.2	630.2
75°	386.2	401.7	388.7	421.0	467.5	520.5
77.5°	297.0	313.8	298.3	326.7	377.1	414.6
80°	213.1	228.6	215.7	237.6	281.5	310.0
82.5°	134.3	145.9	135.6	157.6	201.5	222.1
85°	59.4	65.9	68.4	85.2	124.0	147.2
87.5°	2.6	1.3	2.6	16.8	43.9	64.6
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)