

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: P520570

Luminaire Tested: **4WSLA-200-L935-UNV-U**

Issue Date: 5/3/2021



Test Information

Test Method: LM-79-08
Report Number: P520570
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: 4WSLA-200-L935-UNV-U
Description: 4 FOOT, 2000 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3500K, 90 CRI
LEDS WITH NO UPLIGHT
Light Source: -
Ballast/Driver: -

Summary

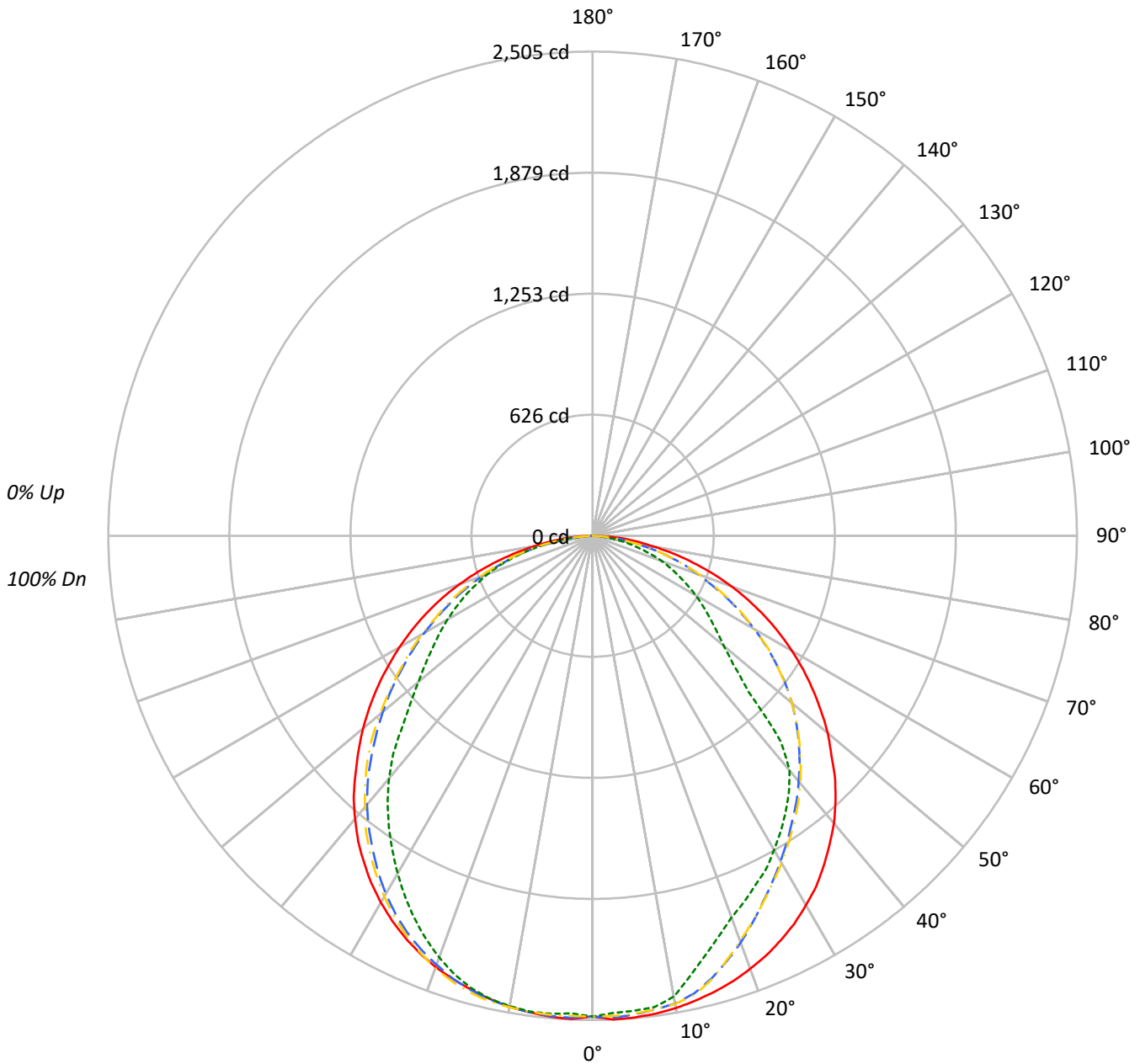
Lumens per Lamp: N/A
Luminaire Lumens: 6671.0 lumens
Efficiency: N/A
Efficacy: 87.4 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.17 / 1.33
Luminous Opening: Rectangular (W 0.5' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 76.3
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					20					
RC	80					70					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°	13383	13383	13383	13383
5°	13514	13326	13492	13413
10°	13561	13225	13524	13502
15°	13603	12525	13543	13499
20°	13654	12034	13601	13295
25°	13697	11836	13626	12961
30°	13713	11665	13614	12535
35°	13691	11439	13551	12069
40°	13647	11135	13431	11510
45°	13495	8651	13190	10560
50°	13293	7406	12969	9852
55°	13056	6935	12718	9476
60°	12809	6620	12422	9319
65°	12504	6269	12079	9209
70°	12008	5962	11504	9069
75°	11179	5242	10653	8628
80°	9924	4382	9304	7318
85°	9392	3131	8238	4199



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	236.3	3.5
10°-20°	673.9	10.1
20°-30°	1007.0	15.1
30°-40°	1198.7	18.0
40°-50°	1198.2	18.0
50°-60°	1031.0	15.5
60°-70°	776.0	11.6
70°-80°	442.2	6.6
80°-90°	107.6	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°	1917.2	28.7
0°-40°	3115.9	46.7
0°-60°	5345.2	80.1
0°-90°	6671.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6671.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2487	2487	2487	2487	2487	
5°	2501	2467	2497	2483	2501	238
15°	2441	2248	2431	2423	2441	690
25°	2307	1993	2295	2183	2307	1064
35°	2084	1741	2062	1837	2084	1304
45°	1773	1137	1733	1387	1773	1365
55°	1391	739	1355	1010	1391	1244
65°	982	492	948	723	982	970
75°	538	252	512	415	538	569
85°	152	51	133	68	152	166
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°	2486.7	2486.7	2486.7	2486.7	2486.7	2486.7	2486.7	2486.7	2486.7	2486.7	2486.7
2.5°	2505.4	2482.7	2496.1	2492.1	2470.7	2478.7	2486.7	2478.7	2502.7	2481.4	2496.1
5°	2501.4	2477.4	2485.4	2477.4	2466.7	2469.4	2481.4	2473.4	2497.4	2474.7	2493.4
7.5°	2493.4	2464.0	2472.1	2468.1	2458.7	2460.0	2472.1	2465.4	2486.7	2465.4	2486.7
10°	2481.4	2450.7	2457.4	2440.0	2420.0	2434.7	2458.7	2452.0	2474.7	2450.7	2474.7
12.5°	2462.7	2432.0	2425.4	2368.0	2332.0	2360.0	2433.4	2433.4	2454.7	2432.0	2457.4
15°	2441.4	2408.0	2372.0	2285.3	2247.9	2275.9	2377.3	2412.0	2430.7	2408.0	2433.4
17.5°	2416.0	2377.3	2308.0	2206.6	2171.9	2199.9	2304.0	2380.0	2404.0	2380.0	2402.7
20°	2384.0	2338.6	2239.9	2123.9	2101.2	2126.5	2230.6	2341.3	2374.7	2345.3	2361.3
22.5°	2349.3	2294.6	2163.9	2059.8	2049.1	2065.2	2159.9	2293.3	2337.3	2306.6	2317.3
25°	2306.6	2242.6	2087.8	2001.1	1993.1	2002.5	2090.5	2237.3	2294.6	2262.6	2266.6
27.5°	2261.3	2191.9	2015.8	1951.8	1943.8	1947.8	2021.1	2174.6	2245.3	2213.2	2206.6
30°	2206.6	2131.9	1943.8	1885.1	1877.1	1891.7	1954.4	2110.5	2190.6	2158.5	2138.5
32.5°	2151.9	2066.5	1873.1	1827.7	1811.7	1825.0	1885.1	2043.8	2130.5	2097.2	2063.8
35°	2083.8	1997.1	1799.7	1754.3	1741.0	1755.7	1815.7	1974.4	2062.5	2029.1	1983.8
37.5°	2013.1	1923.7	1733.0	1691.6	1667.6	1684.9	1745.0	1902.4	1991.8	1957.1	1901.1
40°	1942.4	1846.4	1658.3	1615.6	1584.9	1610.2	1671.6	1826.4	1911.7	1879.7	1815.7
42.5°	1859.7	1769.0	1584.9	1524.9	1438.1	1519.5	1592.9	1750.3	1829.0	1798.3	1721.0
45°	1773.0	1686.3	1507.5	1362.1	1136.6	1375.4	1512.8	1670.3	1733.0	1703.6	1619.6
47.5°	1674.3	1600.9	1428.8	1207.3	988.6	1220.7	1431.5	1594.2	1642.3	1610.2	1516.9
50°	1587.6	1515.5	1346.1	1076.6	884.5	1091.3	1344.8	1508.8	1548.9	1519.5	1415.5
52.5°	1488.8	1426.1	1256.7	960.5	807.1	975.2	1254.0	1420.8	1452.8	1418.1	1314.1
55°	1391.4	1335.4	1162.0	857.8	739.1	871.2	1159.3	1330.1	1355.4	1315.4	1207.3
57.5°	1292.7	1242.0	1064.6	765.8	676.4	780.4	1071.3	1236.7	1254.0	1203.3	1104.6
60°	1190.0	1147.3	965.9	684.4	615.0	696.4	963.2	1143.3	1154.0	1099.3	1004.6
62.5°	1087.3	1048.6	867.2	609.7	552.3	617.7	873.8	1044.6	1051.3	999.2	901.8
65°	981.9	945.9	771.1	531.0	492.3	544.3	777.8	941.9	948.5	889.8	801.8
67.5°	872.5	843.1	668.4	470.9	434.9	474.9	681.7	837.8	841.8	784.4	704.4
70°	763.1	737.7	577.7	405.6	378.9	406.9	587.0	723.1	731.1	669.7	605.7
72.5°	651.0	631.0	489.6	337.5	313.5	337.5	494.9	617.7	623.0	572.3	509.6
75°	537.6	523.0	400.2	270.8	252.1	269.5	402.9	512.3	512.3	464.3	414.9
77.5°	428.2	417.6	306.8	208.1	194.8	205.4	308.2	405.6	402.9	365.5	326.9
80°	320.2	312.2	220.1	150.8	141.4	146.7	220.1	300.2	300.2	273.5	226.8
82.5°	229.5	220.1	145.4	98.7	93.4	96.1	142.7	209.5	213.5	193.4	153.4
85°	152.1	130.7	78.7	54.7	50.7	52.0	74.7	121.4	133.4	112.1	80.0
87.5°	66.7	44.0	20.0	8.0	4.0	5.3	16.0	38.7	50.7	33.4	10.7
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°	2486.7	2486.7	2486.7	2486.7	2486.7	2486.7
2.5°	2494.7	2473.4	2481.4	2486.7	2481.4	2505.4
5°	2492.1	2482.7	2481.4	2488.1	2477.4	2501.4
7.5°	2488.1	2482.7	2481.4	2484.1	2470.7	2493.4
10°	2478.7	2470.7	2473.4	2477.4	2460.0	2481.4
12.5°	2461.4	2453.4	2454.7	2468.1	2444.0	2462.7
15°	2432.0	2422.7	2432.0	2446.7	2425.4	2441.4
17.5°	2393.3	2378.7	2394.7	2417.4	2401.3	2416.0
20°	2344.0	2321.3	2338.6	2380.0	2365.3	2384.0
22.5°	2283.9	2255.9	2273.3	2333.3	2329.3	2349.3
25°	2215.9	2182.6	2206.6	2279.9	2288.0	2306.6
27.5°	2139.9	2102.5	2134.5	2221.2	2239.9	2261.3
30°	2057.2	2017.1	2054.5	2155.9	2183.9	2206.6
32.5°	1971.8	1927.7	1970.4	2082.5	2122.5	2151.9
35°	1882.4	1837.0	1885.1	2006.5	2054.5	2083.8
37.5°	1786.3	1742.3	1794.3	1926.4	1983.8	2013.1
40°	1687.6	1638.3	1697.0	1831.7	1907.7	1942.4
42.5°	1586.2	1524.9	1596.9	1742.3	1825.0	1859.7
45°	1472.8	1387.4	1484.8	1647.6	1734.3	1773.0
47.5°	1359.4	1274.0	1372.8	1546.2	1639.6	1674.3
50°	1250.0	1176.7	1255.4	1435.5	1543.5	1587.6
52.5°	1150.0	1089.9	1156.6	1327.4	1444.8	1488.8
55°	1056.6	1009.9	1064.6	1220.7	1340.8	1391.4
57.5°	968.5	939.2	976.5	1119.3	1244.7	1292.7
60°	885.8	865.8	892.5	1019.2	1131.3	1190.0
62.5°	804.5	793.8	813.8	913.8	1025.9	1087.3
65°	725.7	723.1	733.7	821.8	915.2	981.9
67.5°	647.0	645.7	652.4	724.4	807.1	872.5
70°	568.3	576.3	572.3	619.0	699.1	763.1
72.5°	488.3	500.3	493.6	523.0	600.3	651.0
75°	398.9	414.9	401.6	434.9	482.9	537.6
77.5°	306.8	324.2	308.2	337.5	389.6	428.2
80°	220.1	236.1	222.8	245.5	290.8	320.2
82.5°	138.7	150.8	140.1	162.8	208.1	229.5
85°	61.4	68.0	70.7	88.0	128.1	152.1
87.5°	2.7	1.3	2.7	17.3	45.4	66.7
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)