

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: P520576

Luminaire Tested: **4WSLA-200-L950-UNV-U**

Issue Date: 5/3/2021



Test Information

Test Method: LM-79-08
Report Number: P520576
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-L950-UNV-U
Description: 4 FOOT, 2000 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 5000K, 90 CRI
LEDS WITH NO UPLIGHT
Light Source: -
Ballast/Driver: -

Summary

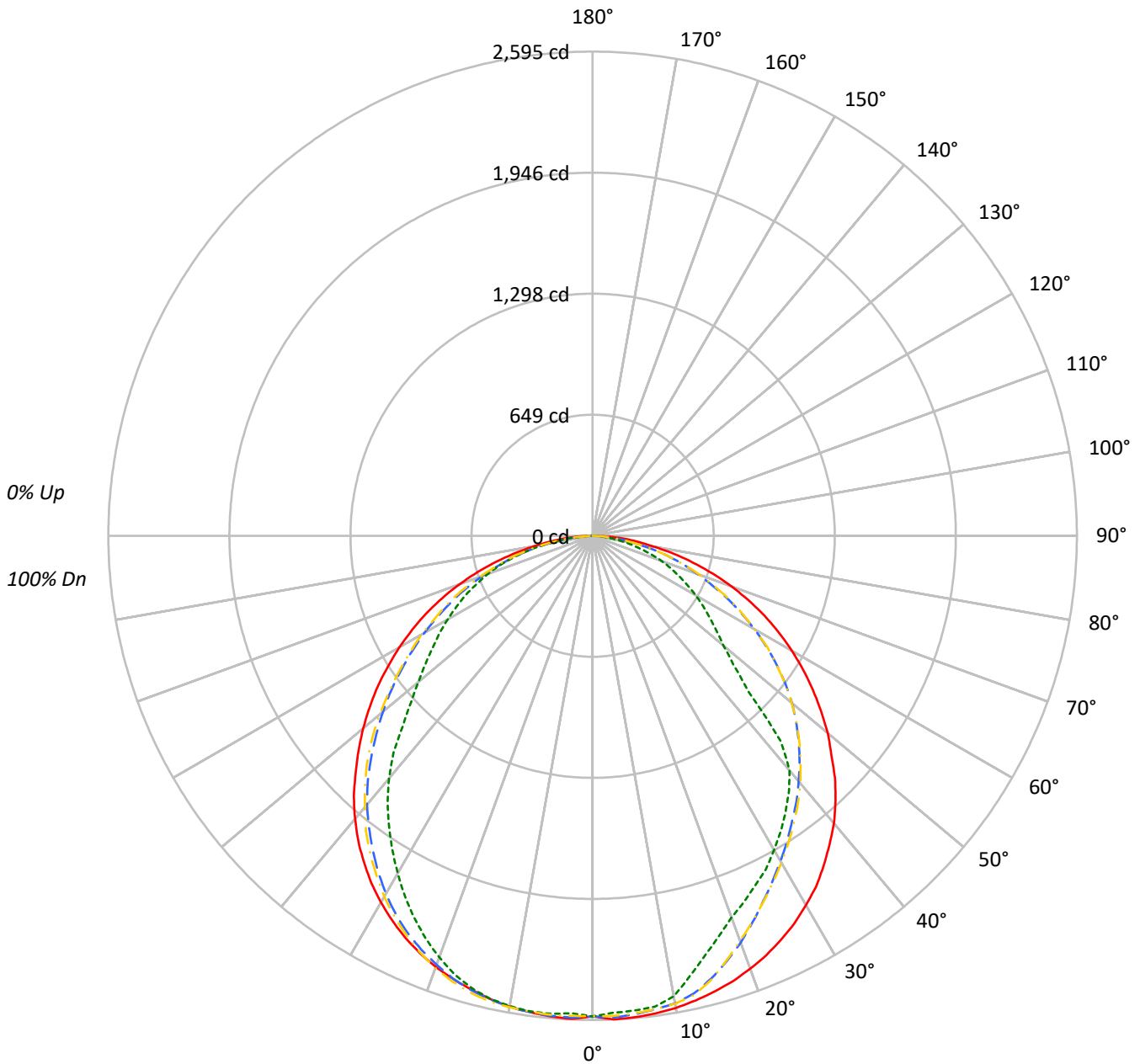
Lumens per Lamp: N/A
Luminaire Lumens: 6909.0 lumens
Efficiency: N/A
Efficacy: 90.6 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.17 / 1.33
Luminous Opening: Rectangular (W 0.5' x L: 4' x H: 0')
CIE Type: Direct

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				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				100
1	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84				84
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	73	70				70
3	91	80	72	66	88	79	71	65	76	69	64	73	67	63	70	66	62	60				60
4	83	71	62	56	81	70	62	55	67	60	55	65	59	54	63	58	53	51				51
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46	44				44
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	46	41	39				39
7	66	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34				34
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31				31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28				28
10	54	40	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25				25

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	13861	13861	13861	13861
5°	13996	13802	13974	13891
10°	14044	13697	14007	13984
15°	14088	12972	14026	13980
20°	14141	12463	14086	13769
25°	14186	12258	14112	13423
30°	14202	12081	14099	12983
35°	14180	11847	14035	12500
40°	14133	11532	13910	11920
45°	13976	8960	13661	10937
50°	13767	7670	13431	10203
55°	13522	7182	13172	9814
60°	13267	6857	12865	9652
65°	12950	6492	12511	9537
70°	12436	6175	11915	9393
75°	11578	5429	11033	8935
80°	10277	4541	9636	7581
85°	9726	3242	8534	4353



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	244.7	3.5
10°-20°	698.0	10.1
20°-30°	1042.9	15.1
30°-40°	1241.5	18.0
40°-50°	1240.9	18.0
50°-60°	1067.8	15.5
60°-70°	803.7	11.6
70°-80°	458.0	6.6
80°-90°	111.5	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°	1985.6	28.7
0°-40°	3227.1	46.7
0°-60°	5535.8	80.1
0°-90°	6909.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6909.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2575	2575	2575	2575	2575	
5°	2591	2555	2586	2571	2591	247
15°	2528	2328	2517	2509	2528	714
25°	2389	2064	2376	2260	2389	1102
35°	2158	1803	2136	1903	2158	1350
45°	1836	1177	1795	1437	1836	1414
55°	1441	765	1404	1046	1441	1288
65°	1017	510	982	749	1017	1004
75°	557	261	531	430	557	589
85°	158	52	138	70	158	171
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°	2575.4	2575.4	2575.4	2575.4	2575.4	2575.4	2575.4	2575.4	2575.4	2575.4	2575.4
2.5°	2594.8	2571.3	2585.1	2581.0	2558.9	2567.2	2575.4	2567.2	2592.0	2569.9	2585.1
5°	2590.6	2565.8	2574.1	2565.8	2554.7	2557.5	2569.9	2561.6	2586.5	2563.0	2582.4
7.5°	2582.4	2552.0	2560.2	2556.1	2546.4	2547.8	2560.2	2553.3	2575.4	2553.3	2575.4
10°	2569.9	2538.1	2545.1	2527.1	2506.4	2521.6	2546.4	2539.5	2563.0	2538.1	2563.0
12.5°	2550.6	2518.8	2511.9	2452.5	2415.2	2444.2	2520.2	2520.2	2542.3	2518.8	2545.1
15°	2528.5	2493.9	2456.6	2366.8	2328.1	2357.1	2462.1	2498.1	2517.4	2493.9	2520.2
17.5°	2502.2	2462.1	2390.3	2285.3	2249.4	2278.4	2386.2	2464.9	2489.8	2464.9	2488.4
20°	2469.1	2422.1	2319.8	2199.6	2176.1	2202.4	2310.2	2424.8	2459.4	2429.0	2445.6
22.5°	2433.1	2376.5	2241.1	2133.3	2122.3	2138.8	2236.9	2375.1	2420.7	2388.9	2400.0
25°	2388.9	2322.6	2162.3	2072.5	2064.2	2073.9	2165.1	2317.1	2376.5	2343.3	2347.5
27.5°	2341.9	2270.1	2087.7	2021.4	2013.1	2017.2	2093.2	2252.1	2325.4	2292.2	2285.3
30°	2285.3	2207.9	2013.1	1952.3	1944.0	1959.2	2024.2	2185.8	2268.7	2235.6	2214.8
32.5°	2228.6	2140.2	1939.9	1892.9	1876.3	1890.1	1952.3	2116.7	2206.5	2172.0	2137.5
35°	2158.2	2068.4	1863.9	1816.9	1803.1	1818.3	1880.5	2044.9	2136.1	2101.5	2054.6
37.5°	2085.0	1992.4	1794.8	1752.0	1727.1	1745.1	1807.2	1970.3	2062.8	2026.9	1968.9
40°	2011.7	1912.2	1717.4	1673.2	1641.4	1667.7	1731.2	1891.5	1979.9	1946.8	1880.5
42.5°	1926.1	1832.1	1641.4	1579.3	1489.4	1573.7	1649.7	1812.8	1894.3	1862.5	1782.4
45°	1836.2	1746.4	1561.3	1410.7	1177.2	1424.5	1566.8	1729.9	1794.8	1764.4	1677.4
47.5°	1734.0	1658.0	1479.8	1250.4	1023.8	1264.2	1482.5	1651.1	1700.8	1667.7	1571.0
50°	1644.2	1569.6	1394.1	1115.0	916.1	1130.2	1392.7	1562.7	1604.1	1573.7	1466.0
52.5°	1542.0	1477.0	1301.5	994.8	835.9	1010.0	1298.8	1471.5	1504.6	1468.7	1361.0
55°	1441.1	1383.1	1203.4	888.4	765.4	902.2	1200.7	1377.5	1403.8	1362.3	1250.4
57.5°	1338.8	1286.3	1102.6	793.1	700.5	808.3	1109.5	1280.8	1298.8	1246.3	1144.0
60°	1232.5	1188.2	1000.3	708.8	637.0	721.2	997.6	1184.1	1195.2	1138.5	1040.4
62.5°	1126.1	1086.0	898.1	631.4	572.0	639.7	905.0	1081.9	1088.8	1034.9	934.0
65°	1016.9	979.6	798.6	549.9	509.8	563.7	805.5	975.5	982.4	921.6	830.4
67.5°	903.6	873.2	692.2	487.7	450.4	491.9	706.0	867.7	871.8	812.4	729.5
70°	790.3	764.1	598.3	420.0	392.4	421.4	607.9	748.9	757.2	693.6	627.3
72.5°	674.3	653.5	507.1	349.6	324.7	349.6	512.6	639.7	645.2	592.7	527.8
75°	556.8	541.6	414.5	280.5	261.1	279.1	417.3	530.6	530.6	480.8	429.7
77.5°	443.5	432.5	317.8	215.5	201.7	212.8	319.2	420.0	417.3	378.6	338.5
80°	331.6	323.3	228.0	156.1	146.5	152.0	228.0	310.9	310.9	283.2	234.9
82.5°	237.6	228.0	150.6	102.2	96.7	99.5	147.8	216.9	221.1	200.3	158.9
85°	157.5	135.4	81.5	56.6	52.5	53.9	77.4	125.7	138.2	116.1	82.9
87.5°	69.1	45.6	20.7	8.3	4.1	5.5	16.6	40.1	52.5	34.5	11.1
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°	2575.4	2575.4	2575.4	2575.4	2575.4	2575.4
2.5°	2583.7	2561.6	2569.9	2575.4	2569.9	2594.8
5°	2581.0	2571.3	2569.9	2576.8	2565.8	2590.6
7.5°	2576.8	2571.3	2569.9	2572.7	2558.9	2582.4
10°	2567.2	2558.9	2561.6	2565.8	2547.8	2569.9
12.5°	2549.2	2540.9	2542.3	2556.1	2531.2	2550.6
15°	2518.8	2509.1	2518.8	2534.0	2511.9	2528.5
17.5°	2478.7	2463.5	2480.1	2503.6	2487.0	2502.2
20°	2427.6	2404.1	2422.1	2464.9	2449.7	2469.1
22.5°	2365.4	2336.4	2354.4	2416.6	2412.4	2433.1
25°	2295.0	2260.4	2285.3	2361.3	2369.6	2388.9
27.5°	2216.2	2177.5	2210.7	2300.5	2319.8	2341.9
30°	2130.5	2089.1	2127.8	2232.8	2261.8	2285.3
32.5°	2042.1	1996.5	2040.7	2156.8	2198.2	2228.6
35°	1949.5	1902.6	1952.3	2078.0	2127.8	2158.2
37.5°	1850.1	1804.5	1858.4	1995.1	2054.6	2085.0
40°	1747.8	1696.7	1757.5	1897.0	1975.8	2011.7
42.5°	1642.8	1579.3	1653.9	1804.5	1890.1	1926.1
45°	1525.4	1436.9	1537.8	1706.4	1796.2	1836.2
47.5°	1407.9	1319.5	1421.7	1601.4	1698.1	1734.0
50°	1294.6	1218.6	1300.2	1486.7	1598.6	1644.2
52.5°	1191.0	1128.8	1197.9	1374.8	1496.4	1542.0
55°	1094.3	1045.9	1102.6	1264.2	1388.6	1441.1
57.5°	1003.1	972.7	1011.4	1159.2	1289.1	1338.8
60°	917.4	896.7	924.3	1055.6	1171.7	1232.5
62.5°	833.2	822.1	842.8	946.4	1062.5	1126.1
65°	751.6	748.9	759.9	851.1	947.8	1016.9
67.5°	670.1	668.7	675.6	750.3	835.9	903.6
70°	588.6	596.9	592.7	641.1	724.0	790.3
72.5°	505.7	518.1	511.2	541.6	621.8	674.3
75°	413.1	429.7	415.9	450.4	500.2	556.8
77.5°	317.8	335.7	319.2	349.6	403.4	443.5
80°	228.0	244.6	230.7	254.2	301.2	331.6
82.5°	143.7	156.1	145.1	168.6	215.5	237.6
85°	63.6	70.5	73.2	91.2	132.6	157.5
87.5°	2.8	1.4	2.8	18.0	47.0	69.1
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)