

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: P520567

Luminaire Tested: **4WSLA-200-L930-UNV-U**

Issue Date: 5/3/2021



Test Information

Test Method: LM-79-08
Report Number: P520567
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-L930-UNV-U
Description: 4 FOOT, 2000 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3000K, 90 CRI
LEDS WITH NO UPLIGHT
Light Source: -
Ballast/Driver: -

Summary

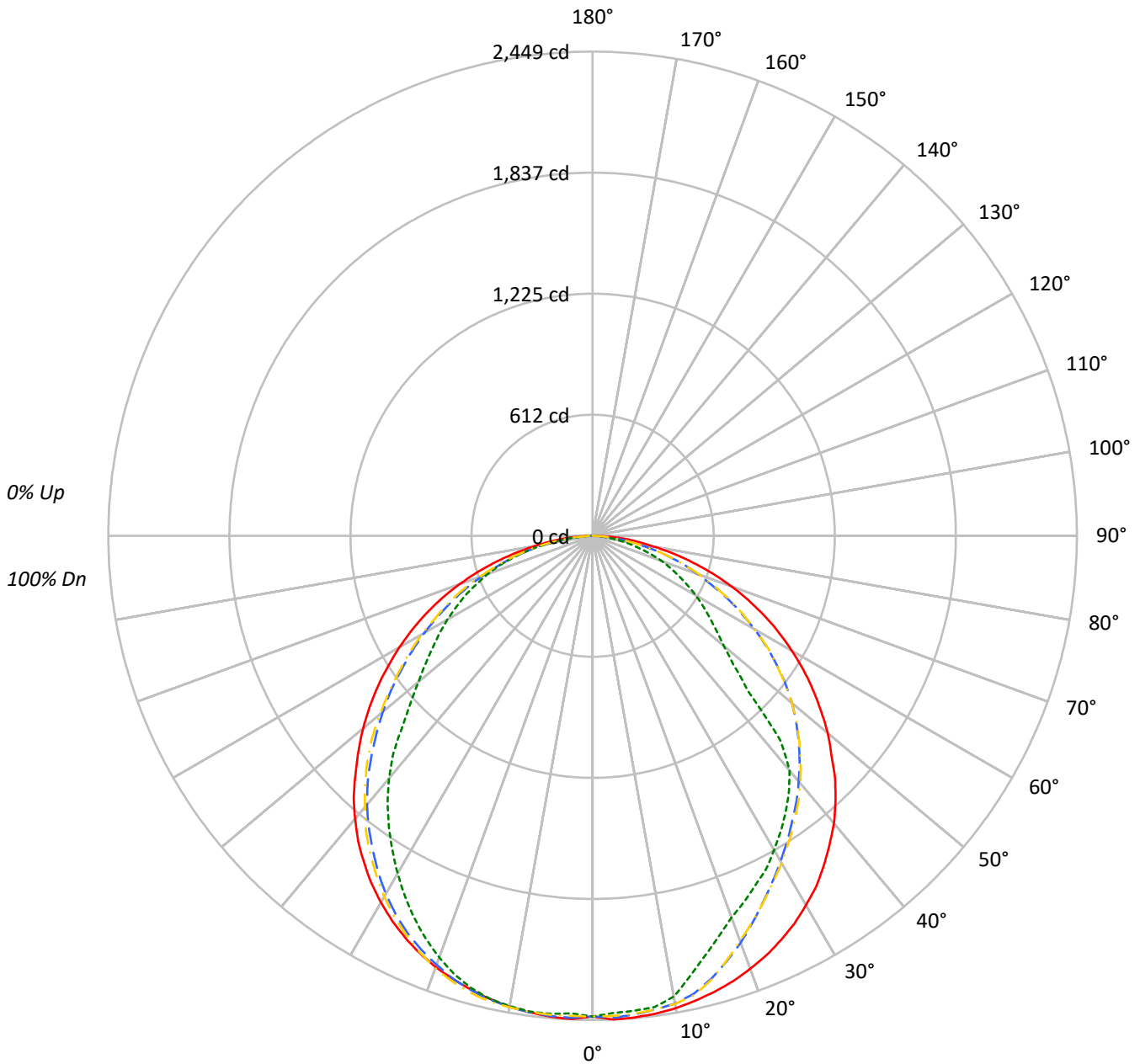
Lumens per Lamp: N/A
Luminaire Lumens: 6522.0 lumens
Efficiency: N/A
Efficacy: 85.5 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.17 / 1.33
Luminous Opening: Rectangular (W 0.5' x L: 4' x H: 0')
CIE Type: Direct

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°	13085	13085	13085	13085
5°	13212	13029	13191	13114
10°	13258	12930	13222	13201
15°	13299	12245	13241	13197
20°	13349	11765	13297	12998
25°	13392	11571	13322	12671
30°	13407	11404	13309	12256
35°	13385	11183	13248	11800
40°	13342	10886	13131	11253
45°	13193	8458	12896	10325
50°	12995	7240	12679	9632
55°	12765	6780	12435	9264
60°	12523	6472	12144	9112
65°	12225	6129	11809	9002
70°	11740	5829	11246	8867
75°	10929	5126	10414	8434
80°	9701	4286	9097	7156
85°	9182	3063	8052	4106



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	231.0	3.5
10°-20°	658.9	10.1
20°-30°	984.5	15.1
30°-40°	1171.9	18.0
40°-50°	1171.4	18.0
50°-60°	1008.0	15.5
60°-70°	758.7	11.6
70°-80°	432.3	6.6
80°-90°	105.2	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°	1874.4	28.7
0°-40°	3046.3	46.7
0°-60°	5225.8	80.1
0°-90°	6522.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6522.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2431	2431	2431	2431	2431	
5°	2446	2412	2442	2427	2446	233
15°	2387	2198	2376	2369	2387	674
25°	2255	1949	2243	2134	2255	1040
35°	2037	1702	2016	1796	2037	1275
45°	1733	1111	1694	1356	1733	1335
55°	1360	723	1325	987	1360	1216
65°	960	481	927	707	960	948
75°	526	246	501	406	526	556
85°	149	50	130	66	149	162
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°	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2
2.5°	2449.4	2427.3	2440.3	2436.4	2415.5	2423.4	2431.2	2423.4	2446.8	2426.0	2440.3
5°	2445.5	2422.1	2429.9	2422.1	2411.6	2414.2	2426.0	2418.1	2441.6	2419.4	2437.7
7.5°	2437.7	2409.0	2416.8	2412.9	2403.8	2405.1	2416.8	2410.3	2431.2	2410.3	2431.2
10°	2426.0	2396.0	2402.5	2385.5	2366.0	2380.3	2403.8	2397.3	2419.4	2396.0	2419.4
12.5°	2407.7	2377.7	2371.2	2315.1	2279.9	2307.3	2379.0	2379.0	2399.9	2377.7	2402.5
15°	2386.8	2354.2	2319.0	2234.2	2197.7	2225.1	2324.2	2358.1	2376.4	2354.2	2379.0
17.5°	2362.1	2324.2	2256.4	2157.3	2123.4	2150.8	2252.5	2326.8	2350.3	2326.8	2349.0
20°	2330.8	2286.4	2189.9	2076.4	2054.2	2079.0	2180.8	2289.0	2321.6	2292.9	2308.6
22.5°	2296.8	2243.4	2115.5	2013.8	2003.4	2019.0	2111.6	2242.1	2285.1	2255.1	2265.5
25°	2255.1	2192.5	2041.2	1956.4	1948.6	1957.7	2043.8	2187.3	2243.4	2212.1	2216.0
27.5°	2210.8	2142.9	1970.8	1908.2	1900.3	1904.3	1976.0	2126.0	2195.1	2163.8	2157.3
30°	2157.3	2084.2	1900.3	1843.0	1835.1	1849.5	1910.8	2063.4	2141.6	2110.3	2090.8
32.5°	2103.8	2020.3	1831.2	1786.9	1771.2	1784.3	1843.0	1998.2	2082.9	2050.3	2017.7
35°	2037.3	1952.5	1759.5	1715.1	1702.1	1716.4	1775.1	1930.3	2016.4	1983.8	1939.5
37.5°	1968.2	1880.8	1694.3	1653.8	1630.4	1647.3	1706.0	1859.9	1947.3	1913.4	1858.6
40°	1899.0	1805.1	1621.2	1579.5	1549.5	1574.3	1634.3	1785.6	1869.0	1837.7	1775.1
42.5°	1818.2	1729.5	1549.5	1490.8	1406.0	1485.6	1557.3	1711.2	1788.2	1758.2	1682.5
45°	1733.4	1648.6	1473.8	1331.7	1111.3	1344.7	1479.1	1633.0	1694.3	1665.6	1583.4
47.5°	1636.9	1565.1	1396.9	1180.4	966.5	1193.4	1399.5	1558.6	1605.6	1574.3	1483.0
50°	1552.1	1481.7	1316.0	1052.6	864.7	1066.9	1314.7	1475.1	1514.3	1485.6	1383.8
52.5°	1455.6	1394.3	1228.6	939.1	789.1	953.4	1226.0	1389.1	1420.4	1386.5	1284.7
55°	1360.4	1305.6	1136.0	838.7	722.6	851.7	1133.4	1300.4	1325.2	1286.0	1180.4
57.5°	1263.9	1214.3	1040.8	748.7	661.3	763.0	1047.3	1209.1	1226.0	1176.5	1079.9
60°	1163.4	1121.7	944.3	669.1	601.3	680.8	941.7	1117.8	1128.2	1074.7	982.1
62.5°	1063.0	1025.2	847.8	596.1	540.0	603.9	854.3	1021.3	1027.8	976.9	881.7
65°	960.0	924.7	753.9	519.1	481.3	532.1	760.4	920.8	927.3	870.0	783.9
67.5°	853.0	824.3	653.4	460.4	425.2	464.3	666.5	819.1	823.0	766.9	688.7
70°	746.1	721.3	564.8	396.5	370.4	397.8	573.9	706.9	714.7	654.8	592.1
72.5°	636.5	616.9	478.7	330.0	306.5	330.0	483.9	603.9	609.1	559.5	498.2
75°	525.6	511.3	391.3	264.8	246.5	263.5	393.9	500.8	500.8	453.9	405.6
77.5°	418.7	408.2	300.0	203.5	190.4	200.9	301.3	396.5	393.9	357.4	319.5
80°	313.0	305.2	215.2	147.4	138.3	143.5	215.2	293.5	293.5	267.4	221.7
82.5°	224.3	215.2	142.2	96.5	91.3	93.9	139.6	204.8	208.7	189.1	150.0
85°	148.7	127.8	77.0	53.5	49.6	50.9	73.0	118.7	130.4	109.6	78.3
87.5°	65.2	43.0	19.6	7.8	3.9	5.2	15.7	37.8	49.6	32.6	10.4
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°	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2
2.5°	2439.0	2418.1	2426.0	2431.2	2426.0	2449.4
5°	2436.4	2427.3	2426.0	2432.5	2422.1	2445.5
7.5°	2432.5	2427.3	2426.0	2428.6	2415.5	2437.7
10°	2423.4	2415.5	2418.1	2422.1	2405.1	2426.0
12.5°	2406.4	2398.6	2399.9	2412.9	2389.4	2407.7
15°	2377.7	2368.6	2377.7	2392.1	2371.2	2386.8
17.5°	2339.9	2325.5	2341.2	2363.4	2347.7	2362.1
20°	2291.6	2269.5	2286.4	2326.8	2312.5	2330.8
22.5°	2232.9	2205.5	2222.5	2281.2	2277.3	2296.8
25°	2166.4	2133.8	2157.3	2229.0	2236.8	2255.1
27.5°	2092.1	2055.6	2086.9	2171.6	2189.9	2210.8
30°	2011.2	1972.1	2008.6	2107.7	2135.1	2157.3
32.5°	1927.7	1884.7	1926.4	2036.0	2075.1	2103.8
35°	1840.3	1796.0	1843.0	1961.6	2008.6	2037.3
37.5°	1746.4	1703.4	1754.3	1883.4	1939.5	1968.2
40°	1649.9	1601.7	1659.0	1790.8	1865.1	1899.0
42.5°	1550.8	1490.8	1561.2	1703.4	1784.3	1818.2
45°	1439.9	1356.5	1451.7	1610.8	1695.6	1733.4
47.5°	1329.1	1245.6	1342.1	1511.7	1603.0	1636.9
50°	1222.1	1150.4	1227.3	1403.4	1509.1	1552.1
52.5°	1124.3	1065.6	1130.8	1297.8	1412.5	1455.6
55°	1033.0	987.3	1040.8	1193.4	1310.8	1360.4
57.5°	946.9	918.2	954.7	1094.3	1216.9	1263.9
60°	866.0	846.5	872.6	996.5	1106.0	1163.4
62.5°	786.5	776.0	795.6	893.4	1003.0	1063.0
65°	709.5	706.9	717.4	803.4	894.7	960.0
67.5°	632.6	631.3	637.8	708.2	789.1	853.0
70°	555.6	563.5	559.5	605.2	683.4	746.1
72.5°	477.4	489.1	482.6	511.3	586.9	636.5
75°	390.0	405.6	392.6	425.2	472.2	525.6
77.5°	300.0	316.9	301.3	330.0	380.9	418.7
80°	215.2	230.9	217.8	240.0	284.3	313.0
82.5°	135.6	147.4	136.9	159.1	203.5	224.3
85°	60.0	66.5	69.1	86.1	125.2	148.7
87.5°	2.6	1.3	2.6	17.0	44.3	65.2
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)