

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: P520528

Luminaire Tested: **4WSLA-150-L950-UNV-U**

Issue Date: 5/3/2021



Test Information

Test Method: LM-79-08
Report Number: P520528
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-150-L950-UNV-U
Description: 4 FOOT, 1500 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 5000K, 90 CRI
LEDS WITH NO UPLIGHT
Light Source: -
Ballast/Driver: -

Summary

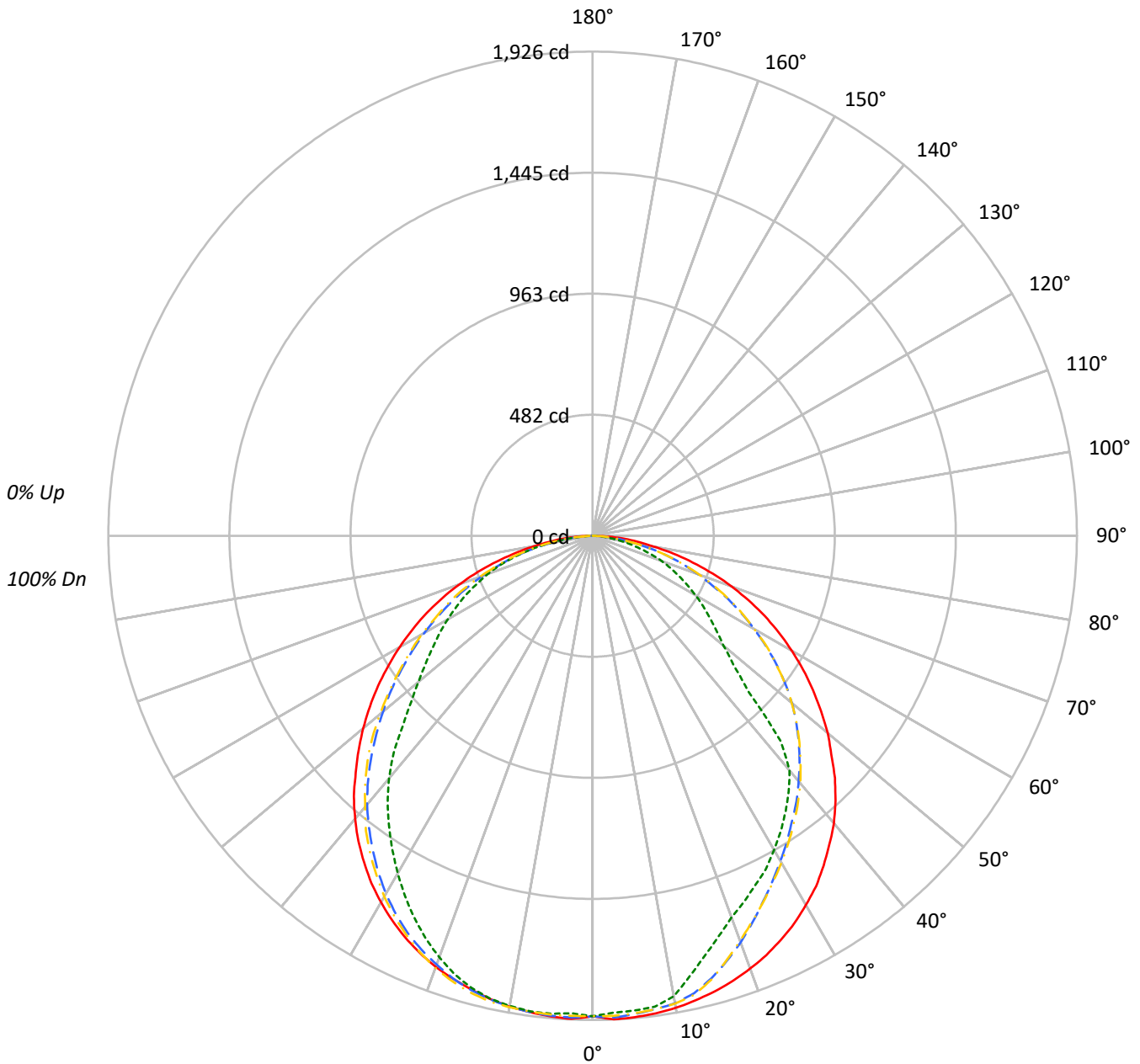
Lumens per Lamp: N/A
Luminaire Lumens: 5127.0 lumens
Efficiency: N/A
Efficacy: 107.5 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.17 / 1.33
Luminous Opening: Rectangular (W 0.5' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 47.7
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°	10286	10286	10286	10286
5°	10386	10242	10370	10309
10°	10422	10164	10394	10377
15°	10454	9626	10409	10375
20°	10494	9249	10453	10218
25°	10527	9096	10472	9961
30°	10539	8965	10463	9634
35°	10522	8791	10414	9276
40°	10489	8558	10323	8846
45°	10371	6649	10137	8116
50°	10216	5692	9967	7572
55°	10034	5330	9774	7283
60°	9845	5088	9547	7162
65°	9610	4818	9284	7077
70°	9229	4582	8842	6969
75°	8592	4030	8187	6631
80°	7627	3369	7150	5625
85°	7219	2408	6329	3230



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.6	3.5
10°-20°	517.9	10.1
20°-30°	774.0	15.1
30°-40°	921.3	18.0
40°-50°	920.9	18.0
50°-60°	792.4	15.5
60°-70°	596.4	11.6
70°-80°	339.9	6.6
80°-90°	82.7	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°	1473.5	28.7
0°-40°	2394.8	46.7
0°-60°	4108.0	80.1
0°-90°	5127.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5127.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1911	1911	1911	1911	1911	
5°	1922	1896	1919	1908	1922	183
15°	1876	1728	1868	1862	1876	530
25°	1773	1532	1764	1677	1773	817
35°	1602	1338	1585	1412	1602	1002
45°	1363	874	1332	1066	1363	1049
55°	1069	568	1042	776	1069	956
65°	755	378	729	556	755	745
75°	413	194	394	319	413	437
85°	117	39	102	52	117	127
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°	1911.2	1911.2	1911.2	1911.2	1911.2	1911.2	1911.2	1911.2	1911.2	1911.2	1911.2
2.5°	1925.5	1908.1	1918.4	1915.3	1898.9	1905.0	1911.2	1905.0	1923.5	1907.1	1918.4
5°	1922.5	1904.0	1910.2	1904.0	1895.8	1897.8	1907.1	1900.9	1919.4	1901.9	1916.3
7.5°	1916.3	1893.7	1899.9	1896.8	1889.6	1890.7	1899.9	1894.8	1911.2	1894.8	1911.2
10°	1907.1	1883.5	1888.6	1875.3	1859.9	1871.2	1889.6	1884.5	1901.9	1883.5	1901.9
12.5°	1892.7	1869.1	1864.0	1819.9	1792.2	1813.8	1870.2	1870.2	1886.6	1869.1	1888.6
15°	1876.3	1850.7	1823.0	1756.4	1727.6	1749.2	1827.1	1853.8	1868.1	1850.7	1870.2
17.5°	1856.8	1827.1	1773.8	1695.9	1669.2	1690.7	1770.7	1829.2	1847.6	1829.2	1846.6
20°	1832.2	1797.4	1721.5	1632.3	1614.9	1634.3	1714.3	1799.4	1825.1	1802.5	1814.8
22.5°	1805.6	1763.5	1663.1	1583.1	1574.9	1587.2	1660.0	1762.5	1796.3	1772.8	1781.0
25°	1772.8	1723.5	1604.6	1538.0	1531.8	1539.0	1606.7	1719.4	1763.5	1738.9	1742.0
27.5°	1737.9	1684.6	1549.2	1500.0	1493.9	1497.0	1553.3	1671.3	1725.6	1701.0	1695.9
30°	1695.9	1638.4	1493.9	1448.8	1442.6	1453.9	1502.1	1622.0	1683.6	1659.0	1643.6
32.5°	1653.8	1588.2	1439.5	1404.7	1392.4	1402.6	1448.8	1570.8	1637.4	1611.8	1586.2
35°	1601.5	1534.9	1383.1	1348.3	1338.0	1349.3	1395.4	1517.5	1585.1	1559.5	1524.6
37.5°	1547.2	1478.5	1331.9	1300.1	1281.6	1295.0	1341.1	1462.1	1530.8	1504.1	1461.1
40°	1492.9	1419.0	1274.5	1241.6	1218.1	1237.5	1284.7	1403.6	1469.3	1444.7	1395.4
42.5°	1429.3	1359.6	1218.1	1171.9	1105.3	1167.8	1224.2	1345.2	1405.7	1382.1	1322.6
45°	1362.6	1296.0	1158.6	1046.8	873.6	1057.1	1162.7	1283.7	1331.9	1309.3	1244.7
47.5°	1286.8	1230.4	1098.1	927.9	759.8	938.2	1100.2	1225.2	1262.2	1237.5	1165.8
50°	1220.1	1164.8	1034.5	827.4	679.8	838.7	1033.5	1159.6	1190.4	1167.8	1087.9
52.5°	1144.2	1096.1	965.8	738.2	620.3	749.5	963.8	1092.0	1116.6	1089.9	1009.9
55°	1069.4	1026.3	893.0	659.3	568.0	669.5	891.0	1022.2	1041.7	1011.0	927.9
57.5°	993.5	954.6	818.2	588.5	519.8	599.8	823.3	950.5	963.8	924.8	849.0
60°	914.6	881.8	742.3	526.0	472.7	535.2	740.3	878.7	886.9	844.9	772.1
62.5°	835.6	805.9	666.5	468.6	424.5	474.7	671.6	802.8	807.9	768.0	693.1
65°	754.6	726.9	592.6	408.1	378.3	418.3	597.8	723.9	729.0	683.9	616.2
67.5°	670.6	648.0	513.7	361.9	334.3	365.0	523.9	643.9	647.0	602.9	541.4
70°	586.5	567.0	444.0	311.7	291.2	312.7	451.1	555.7	561.9	514.7	465.5
72.5°	500.4	485.0	376.3	259.4	240.9	259.4	380.4	474.7	478.8	439.9	391.7
75°	413.2	401.9	307.6	208.1	193.8	207.1	309.6	393.7	393.7	356.8	318.9
77.5°	329.1	320.9	235.8	159.9	149.7	157.9	236.8	311.7	309.6	280.9	251.2
80°	246.1	239.9	169.2	115.9	108.7	112.8	169.2	230.7	230.7	210.2	174.3
82.5°	176.4	169.2	111.8	75.9	71.8	73.8	109.7	161.0	164.0	148.7	117.9
85°	116.9	100.5	60.5	42.0	39.0	40.0	57.4	93.3	102.5	86.1	61.5
87.5°	51.3	33.8	15.4	6.2	3.1	4.1	12.3	29.7	39.0	25.6	8.2
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°	1911.2	1911.2	1911.2	1911.2	1911.2	1911.2
2.5°	1917.3	1900.9	1907.1	1911.2	1907.1	1925.5
5°	1915.3	1908.1	1907.1	1912.2	1904.0	1922.5
7.5°	1912.2	1908.1	1907.1	1909.1	1898.9	1916.3
10°	1905.0	1898.9	1900.9	1904.0	1890.7	1907.1
12.5°	1891.7	1885.5	1886.6	1896.8	1878.4	1892.7
15°	1869.1	1862.0	1869.1	1880.4	1864.0	1876.3
17.5°	1839.4	1828.1	1840.4	1857.9	1845.6	1856.8
20°	1801.5	1784.0	1797.4	1829.2	1817.9	1832.2
22.5°	1755.3	1733.8	1747.1	1793.3	1790.2	1805.6
25°	1703.0	1677.4	1695.9	1752.3	1758.4	1772.8
27.5°	1644.6	1615.9	1640.5	1707.1	1721.5	1737.9
30°	1581.0	1550.3	1579.0	1656.9	1678.4	1695.9
32.5°	1515.4	1481.6	1514.4	1600.5	1631.3	1653.8
35°	1446.7	1411.9	1448.8	1542.1	1579.0	1601.5
37.5°	1372.9	1339.1	1379.0	1480.5	1524.6	1547.2
40°	1297.0	1259.1	1304.2	1407.7	1466.2	1492.9
42.5°	1219.1	1171.9	1227.3	1339.1	1402.6	1429.3
45°	1131.9	1066.3	1141.2	1266.3	1332.9	1362.6
47.5°	1044.8	979.2	1055.0	1188.3	1260.1	1286.8
50°	960.7	904.3	964.8	1103.2	1186.3	1220.1
52.5°	883.8	837.7	888.9	1020.2	1110.4	1144.2
55°	812.0	776.2	818.2	938.2	1030.4	1069.4
57.5°	744.4	721.8	750.5	860.2	956.6	993.5
60°	680.8	665.4	685.9	783.3	869.5	914.6
62.5°	618.3	610.1	625.4	702.3	788.5	835.6
65°	557.8	555.7	563.9	631.6	703.4	754.6
67.5°	497.3	496.2	501.4	556.7	620.3	670.6
70°	436.8	442.9	439.9	475.7	537.3	586.5
72.5°	375.3	384.5	379.4	401.9	461.4	500.4
75°	306.6	318.9	308.6	334.3	371.2	413.2
77.5°	235.8	249.2	236.8	259.4	299.4	329.1
80°	169.2	181.5	171.2	188.7	223.5	246.1
82.5°	106.6	115.9	107.7	125.1	159.9	176.4
85°	47.2	52.3	54.3	67.7	98.4	116.9
87.5°	2.1	1.0	2.1	13.3	34.9	51.3
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)