

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: P520792

Luminaire Tested: **8WSLA-75-L950-UNV-U**

Issue Date: 5/3/2021



Test Information

Test Method: LM-79-08
Report Number: P520792
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-75-L950-UNV-U
Description: 8 FOOT, 1500 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 5000K, 90 CRI
LEDS WITH NO UPLIGHT
Light Source: -
Ballast/Driver: -

Summary

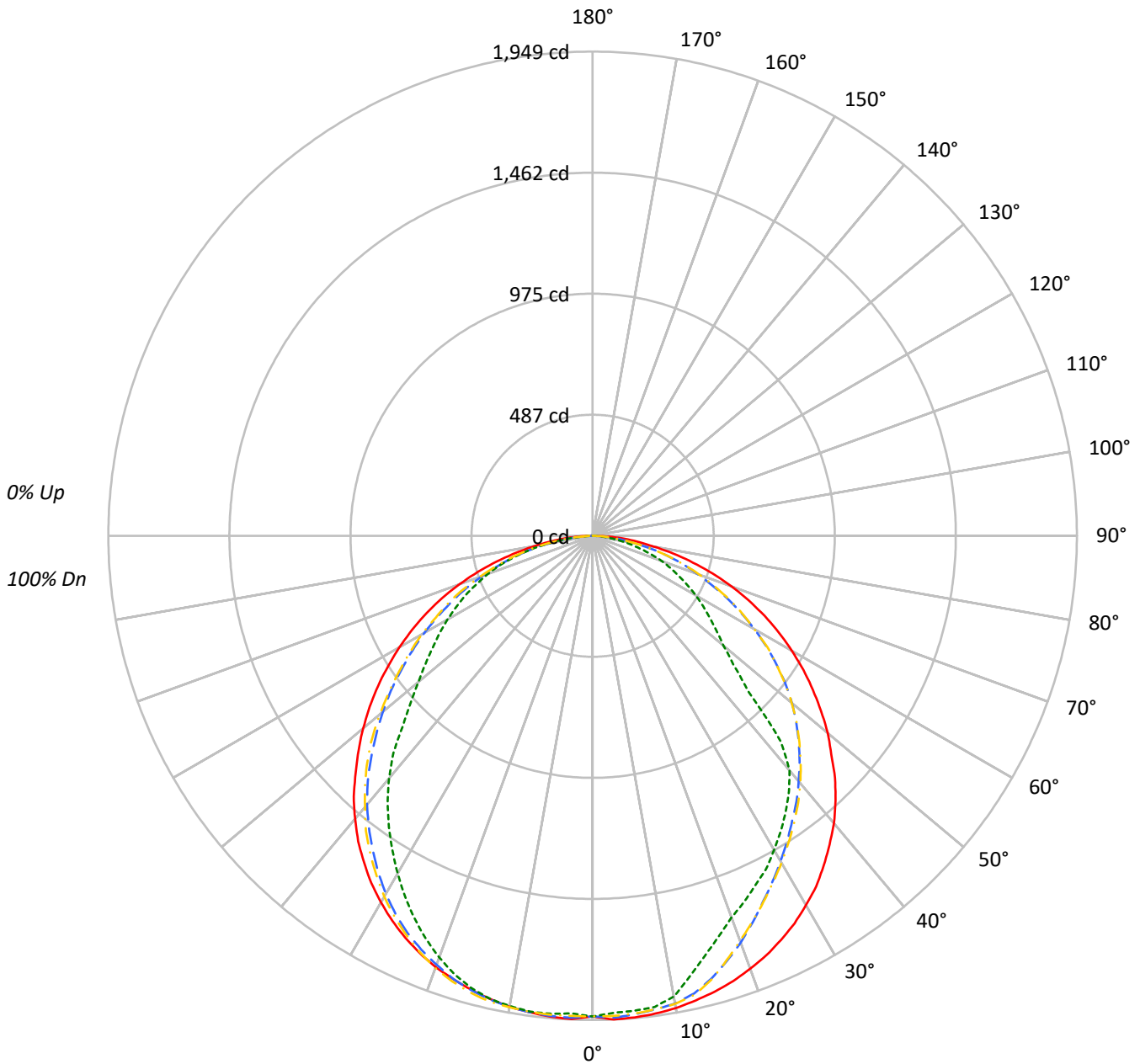
Lumens per Lamp: N/A
Luminaire Lumens: 5190.0 lumens
Efficiency: N/A
Efficacy: 111.4 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.17 / 1.33
Luminous Opening: Rectangular (W 0.5' x L: 8' x H: 0')
CIE Type: Direct

Input Watts (W): 46.6
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

TEST NUMBER: P520792

CATALOG NUMBER: 8WSLA-75-L950-UNV-U

Luminous Intensity Polar Plot





TEST NUMBER: P520792

CATALOG NUMBER: 8WSLA-75-L950-UNV-U

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°	5206	5206	5206	5206
5°	5257	5184	5249	5217
10°	5275	5145	5261	5252
15°	5292	4872	5268	5251
20°	5311	4681	5291	5172
25°	5328	4604	5301	5042
30°	5334	4538	5295	4876
35°	5326	4450	5271	4695
40°	5309	4331	5225	4477
45°	5249	3365	5131	4108
50°	5171	2881	5045	3832
55°	5079	2698	4947	3686
60°	4983	2575	4832	3625
65°	4864	2439	4699	3582
70°	4671	2319	4475	3528
75°	4349	2040	4144	3356
80°	3860	1705	3618	2847
85°	3653	1216	3205	1633



TEST NUMBER: P520792

CATALOG NUMBER: 8WSLA-75-L950-UNV-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.8	3.5
10°-20°	524.3	10.1
20°-30°	783.5	15.1
30°-40°	932.6	18.0
40°-50°	932.2	18.0
50°-60°	802.1	15.5
60°-70°	603.7	11.6
70°-80°	344.0	6.6
80°-90°	83.7	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°	1491.6	28.7
0°-40°	2424.2	46.7
0°-60°	4158.5	80.1
0°-90°	5190.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5190.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1935	1935	1935	1935	1935	
5°	1946	1919	1943	1932	1946	185
15°	1899	1749	1891	1885	1899	537
25°	1794	1551	1785	1698	1794	828
35°	1621	1354	1605	1429	1621	1014
45°	1379	884	1348	1079	1379	1062
55°	1082	575	1054	786	1082	968
65°	764	383	738	562	764	754
75°	418	196	399	323	418	443
85°	118	39	104	53	118	129
90°	0	0	0	0	0	



TEST NUMBER: P520792

CATALOG NUMBER: 8WSLA-75-L950-UNV-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	1934.7	1934.7	1934.7	1934.7	1934.7	1934.7	1934.7	1934.7	1934.7	1934.7	1934.7
2.5°	1949.2	1931.5	1941.9	1938.8	1922.2	1928.4	1934.7	1928.4	1947.1	1930.5	1941.9
5°	1946.1	1927.4	1933.6	1927.4	1919.1	1921.2	1930.5	1924.3	1943.0	1925.3	1939.9
7.5°	1939.9	1917.0	1923.2	1920.1	1912.9	1913.9	1923.2	1918.1	1934.7	1918.1	1934.7
10°	1930.5	1906.6	1911.8	1898.3	1882.8	1894.2	1912.9	1907.7	1925.3	1906.6	1925.3
12.5°	1916.0	1892.1	1886.9	1842.3	1814.3	1836.1	1893.1	1893.1	1909.8	1892.1	1911.8
15°	1899.4	1873.4	1845.4	1777.9	1748.9	1770.7	1849.6	1876.5	1891.1	1873.4	1893.1
17.5°	1879.7	1849.6	1795.6	1716.7	1689.7	1711.5	1792.5	1851.6	1870.3	1851.6	1869.3
20°	1854.7	1819.5	1742.6	1652.3	1634.7	1654.4	1735.4	1821.5	1847.5	1824.6	1837.1
22.5°	1827.8	1785.2	1683.5	1602.5	1594.2	1606.7	1680.4	1784.2	1818.4	1794.5	1802.8
25°	1794.5	1744.7	1624.3	1556.9	1550.6	1557.9	1626.4	1740.6	1785.2	1760.3	1763.4
27.5°	1759.3	1705.3	1568.3	1518.5	1512.2	1515.3	1572.4	1691.8	1746.8	1721.9	1716.7
30°	1716.7	1658.6	1512.2	1466.6	1460.3	1471.8	1520.5	1642.0	1704.2	1679.3	1663.8
32.5°	1674.1	1607.7	1457.2	1421.9	1409.5	1419.9	1466.6	1590.1	1657.5	1631.6	1605.6
35°	1621.2	1553.7	1400.1	1364.8	1354.5	1365.9	1412.6	1536.1	1604.6	1578.7	1543.4
37.5°	1566.2	1496.7	1348.2	1316.1	1297.4	1310.9	1357.6	1480.1	1549.6	1522.6	1479.0
40°	1511.2	1436.5	1290.1	1256.9	1233.0	1252.8	1300.5	1420.9	1487.3	1462.4	1412.6
42.5°	1446.8	1376.3	1233.0	1186.3	1118.9	1182.2	1239.3	1361.7	1423.0	1399.1	1338.9
45°	1379.4	1311.9	1172.8	1059.7	884.3	1070.1	1177.0	1299.5	1348.2	1325.4	1260.0
47.5°	1302.6	1245.5	1111.6	939.3	769.1	949.7	1113.7	1240.3	1277.7	1252.8	1180.1
50°	1235.1	1179.1	1047.2	837.6	688.1	849.0	1046.2	1173.9	1205.0	1182.2	1101.2
52.5°	1158.3	1109.5	977.7	747.3	627.9	758.7	975.6	1105.4	1130.3	1103.3	1022.3
55°	1082.5	1038.9	904.0	667.4	575.0	677.8	901.9	1034.8	1054.5	1023.4	939.3
57.5°	1005.7	966.3	828.3	595.8	526.2	607.2	833.4	962.1	975.6	936.2	859.4
60°	925.8	892.6	751.4	532.4	478.5	541.8	749.4	889.5	897.8	855.2	781.5
62.5°	845.9	815.8	674.6	474.3	429.7	480.6	679.8	812.7	817.9	777.4	701.6
65°	763.9	735.9	599.9	413.1	383.0	423.5	605.1	732.8	738.0	692.3	623.8
67.5°	678.8	656.0	520.0	366.4	338.4	369.5	530.4	651.8	654.9	610.3	548.0
70°	593.7	574.0	449.4	315.5	294.8	316.6	456.7	562.5	568.8	521.0	471.2
72.5°	506.5	490.9	380.9	262.6	243.9	262.6	385.1	480.6	484.7	445.3	396.5
75°	418.3	406.9	311.4	210.7	196.2	209.7	313.4	398.6	398.6	361.2	322.8
77.5°	333.2	324.9	238.7	161.9	151.5	159.8	239.8	315.5	313.4	284.4	254.3
80°	249.1	242.9	171.3	117.3	110.0	114.2	171.3	233.5	233.5	212.8	176.4
82.5°	178.5	171.3	113.1	76.8	72.7	74.7	111.1	163.0	166.1	150.5	119.4
85°	118.3	101.7	61.2	42.6	39.4	40.5	58.1	94.4	103.8	87.2	62.3
87.5°	51.9	34.3	15.6	6.2	3.1	4.2	12.5	30.1	39.4	25.9	8.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P520792

CATALOG NUMBER: 8WSLA-75-L950-UNV-U

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1934.7	1934.7	1934.7	1934.7	1934.7	1934.7
2.5°	1940.9	1924.3	1930.5	1934.7	1930.5	1949.2
5°	1938.8	1931.5	1930.5	1935.7	1927.4	1946.1
7.5°	1935.7	1931.5	1930.5	1932.6	1922.2	1939.9
10°	1928.4	1922.2	1924.3	1927.4	1913.9	1930.5
12.5°	1914.9	1908.7	1909.8	1920.1	1901.4	1916.0
15°	1892.1	1884.8	1892.1	1903.5	1886.9	1899.4
17.5°	1862.0	1850.6	1863.0	1880.7	1868.2	1879.7
20°	1823.6	1806.0	1819.5	1851.6	1840.2	1854.7
22.5°	1776.9	1755.1	1768.6	1815.3	1812.2	1827.8
25°	1724.0	1698.0	1716.7	1773.8	1780.0	1794.5
27.5°	1664.8	1635.7	1660.7	1728.1	1742.6	1759.3
30°	1600.5	1569.3	1598.4	1677.3	1699.1	1716.7
32.5°	1534.0	1499.8	1533.0	1620.2	1651.3	1674.1
35°	1464.5	1429.2	1466.6	1561.0	1598.4	1621.2
37.5°	1389.8	1355.5	1396.0	1498.7	1543.4	1566.2
40°	1313.0	1274.6	1320.2	1425.0	1484.2	1511.2
42.5°	1234.1	1186.3	1242.4	1355.5	1419.9	1446.8
45°	1145.9	1079.4	1155.2	1281.8	1349.3	1379.4
47.5°	1057.6	991.2	1068.0	1202.9	1275.6	1302.6
50°	972.5	915.4	976.7	1116.8	1200.9	1235.1
52.5°	894.7	848.0	899.9	1032.7	1124.1	1158.3
55°	822.0	785.7	828.3	949.7	1043.1	1082.5
57.5°	753.5	730.7	759.7	870.8	968.4	1005.7
60°	689.2	673.6	694.4	793.0	880.1	925.8
62.5°	625.9	617.6	633.1	711.0	798.2	845.9
65°	564.6	562.5	570.8	639.4	712.0	763.9
67.5°	503.4	502.3	507.5	563.6	627.9	678.8
70°	442.1	448.4	445.3	481.6	543.9	593.7
72.5°	379.9	389.2	384.0	406.9	467.1	506.5
75°	310.3	322.8	312.4	338.4	375.7	418.3
77.5°	238.7	252.2	239.8	262.6	303.1	333.2
80°	171.3	183.7	173.3	191.0	226.3	249.1
82.5°	107.9	117.3	109.0	126.6	161.9	178.5
85°	47.7	52.9	55.0	68.5	99.6	118.3
87.5°	2.1	1.0	2.1	13.5	35.3	51.9
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)