

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: P520786

Luminaire Tested: **8WSLA-75-L935-UNV-U**

Issue Date: 5/3/2021



Test Information

Test Method: LM-79-08
Report Number: P520786
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-L935-UNV-U
Description: 8 FOOT, 1500 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3500K, 90 CRI
LEDS WITH NO UPLIGHT
Light Source: -
Ballast/Driver: -

Summary

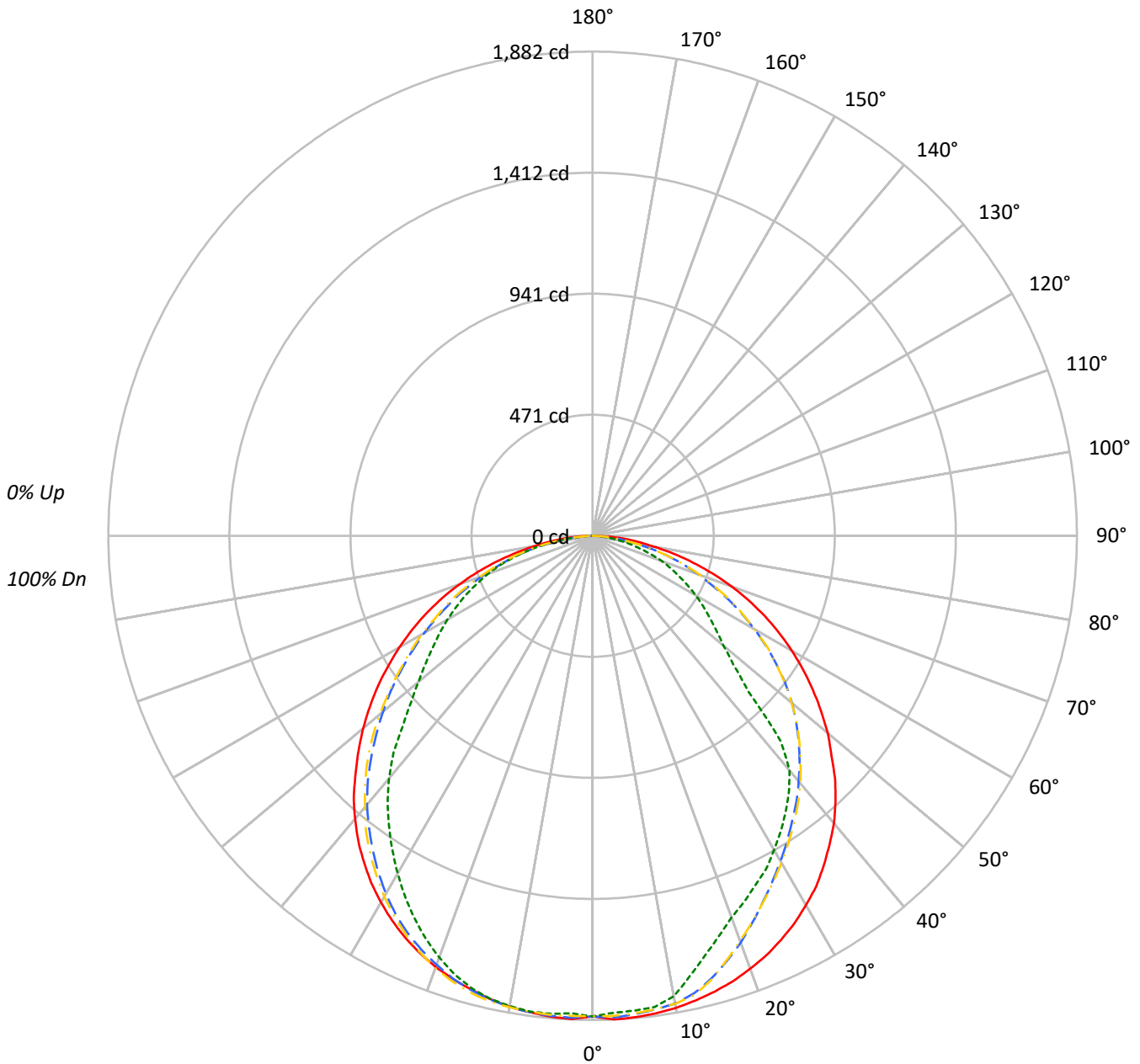
Lumens per Lamp: N/A
Luminaire Lumens: 5011.0 lumens
Efficiency: N/A
Efficacy: 107.5 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.17 / 1.33
Luminous Opening: Rectangular (W 0.5' x L: 8' x H: 0')
CIE Type: Direct

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: P520786

CATALOG NUMBER: 8WSLA-75-L935-UNV-U

Luminous Intensity Polar Plot





TEST NUMBER: P520786

CATALOG NUMBER: 8WSLA-75-L935-UNV-U

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			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°	5026	5026	5026	5026
5°	5076	5005	5068	5038
10°	5093	4967	5079	5071
15°	5109	4704	5087	5070
20°	5128	4520	5108	4993
25°	5145	4445	5118	4868
30°	5150	4381	5113	4708
35°	5142	4296	5090	4533
40°	5126	4182	5044	4323
45°	5068	3249	4954	3966
50°	4992	2781	4871	3700
55°	4904	2605	4776	3559
60°	4811	2486	4665	3500
65°	4697	2355	4537	3458
70°	4510	2239	4321	3406
75°	4199	1969	4001	3241
80°	3727	1646	3495	2749
85°	3526	1176	3094	1578



TEST NUMBER: P520786

CATALOG NUMBER: 8WSLA-75-L935-UNV-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.5	3.5
10°-20°	506.2	10.1
20°-30°	756.4	15.1
30°-40°	900.4	18.0
40°-50°	900.0	18.0
50°-60°	774.5	15.5
60°-70°	582.9	11.6
70°-80°	332.2	6.6
80°-90°	80.8	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°	1440.2	28.7
0°-40°	2340.6	46.7
0°-60°	4015.1	80.1
0°-90°	5011.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5011.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1868	1868	1868	1868	1868	
5°	1879	1853	1876	1865	1879	179
15°	1834	1689	1826	1820	1834	518
25°	1733	1497	1724	1640	1733	799
35°	1565	1308	1549	1380	1565	979
45°	1332	854	1302	1042	1332	1026
55°	1045	555	1018	759	1045	934
65°	738	370	712	543	738	728
75°	404	189	385	312	404	428
85°	114	38	100	51	114	124
90°	0	0	0	0	0	



TEST NUMBER: P520786

CATALOG NUMBER: 8WSLA-75-L935-UNV-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	1867.9	1867.9	1867.9	1867.9	1867.9	1867.9	1867.9	1867.9	1867.9	1867.9	1867.9
2.5°	1882.0	1864.9	1875.0	1871.9	1855.9	1861.9	1867.9	1861.9	1880.0	1863.9	1875.0
5°	1879.0	1860.9	1866.9	1860.9	1852.9	1854.9	1863.9	1857.9	1876.0	1858.9	1872.9
7.5°	1872.9	1850.9	1856.9	1853.9	1846.9	1847.9	1856.9	1851.9	1867.9	1851.9	1867.9
10°	1863.9	1840.9	1845.9	1832.9	1817.8	1828.9	1846.9	1841.9	1858.9	1840.9	1858.9
12.5°	1849.9	1826.8	1821.8	1778.7	1751.7	1772.7	1827.9	1827.9	1843.9	1826.8	1845.9
15°	1833.9	1808.8	1781.8	1716.6	1688.6	1709.6	1785.8	1811.8	1825.8	1808.8	1827.9
17.5°	1814.8	1785.8	1733.7	1657.5	1631.4	1652.5	1730.6	1787.8	1805.8	1787.8	1804.8
20°	1790.8	1756.7	1682.5	1595.4	1578.3	1597.4	1675.5	1758.7	1783.8	1761.7	1773.7
22.5°	1764.7	1723.6	1625.4	1547.3	1539.2	1551.3	1622.4	1722.6	1755.7	1732.7	1740.7
25°	1732.7	1684.5	1568.3	1503.2	1497.2	1504.2	1570.3	1680.5	1723.6	1699.6	1702.6
27.5°	1698.6	1646.5	1514.2	1466.1	1460.1	1463.1	1518.2	1633.4	1686.6	1662.5	1657.5
30°	1657.5	1601.4	1460.1	1416.0	1410.0	1421.0	1468.1	1585.3	1645.5	1621.4	1606.4
32.5°	1616.4	1552.3	1407.0	1372.9	1360.9	1370.9	1416.0	1535.2	1600.4	1575.3	1550.3
35°	1565.3	1500.2	1351.8	1317.8	1307.8	1318.8	1363.9	1483.1	1549.3	1524.2	1490.1
37.5°	1512.2	1445.0	1301.7	1270.7	1252.6	1265.7	1310.8	1429.0	1496.2	1470.1	1428.0
40°	1459.1	1386.9	1245.6	1213.6	1190.5	1209.5	1255.6	1371.9	1436.0	1412.0	1363.9
42.5°	1396.9	1328.8	1190.5	1145.4	1080.3	1141.4	1196.5	1314.8	1373.9	1350.8	1292.7
45°	1331.8	1266.7	1132.4	1023.2	853.8	1033.2	1136.4	1254.6	1301.7	1279.7	1216.6
47.5°	1257.6	1202.5	1073.3	906.9	742.6	916.9	1075.3	1197.5	1233.6	1209.5	1139.4
50°	1192.5	1138.4	1011.1	808.7	664.4	819.7	1010.1	1133.4	1163.5	1141.4	1063.2
52.5°	1118.4	1071.3	944.0	721.5	606.3	732.5	942.0	1067.2	1091.3	1065.2	987.1
55°	1045.2	1003.1	872.8	644.4	555.2	654.4	870.8	999.1	1018.1	988.1	906.9
57.5°	971.0	933.0	799.7	575.2	508.1	586.2	804.7	929.0	942.0	903.9	829.7
60°	893.9	861.8	725.5	514.1	462.0	523.1	723.5	858.8	866.8	825.7	754.6
62.5°	816.7	787.7	651.4	458.0	414.9	464.0	656.4	784.7	789.7	750.6	677.4
65°	737.6	710.5	579.2	398.8	369.8	408.9	584.2	707.5	712.5	668.4	602.3
67.5°	655.4	633.3	502.1	353.7	326.7	356.8	512.1	629.3	632.3	589.2	529.1
70°	573.2	554.2	433.9	304.6	284.6	305.6	440.9	543.1	549.2	503.1	455.0
72.5°	489.0	474.0	367.8	253.5	235.5	253.5	371.8	464.0	468.0	429.9	382.8
75°	403.9	392.8	300.6	203.4	189.4	202.4	302.6	384.8	384.8	348.7	311.7
77.5°	321.7	313.7	230.5	156.3	146.3	154.3	231.5	304.6	302.6	274.6	245.5
80°	240.5	234.5	165.3	113.2	106.2	110.2	165.3	225.5	225.5	205.4	170.4
82.5°	172.4	165.3	109.2	74.2	70.1	72.2	107.2	157.3	160.3	145.3	115.2
85°	114.2	98.2	59.1	41.1	38.1	39.1	56.1	91.2	100.2	84.2	60.1
87.5°	50.1	33.1	15.0	6.0	3.0	4.0	12.0	29.1	38.1	25.1	8.0
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: P520786

CATALOG NUMBER: 8WSLA-75-L935-UNV-U

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1867.9	1867.9	1867.9	1867.9	1867.9	1867.9
2.5°	1873.9	1857.9	1863.9	1867.9	1863.9	1882.0
5°	1871.9	1864.9	1863.9	1868.9	1860.9	1879.0
7.5°	1868.9	1864.9	1863.9	1865.9	1855.9	1872.9
10°	1861.9	1855.9	1857.9	1860.9	1847.9	1863.9
12.5°	1848.9	1842.9	1843.9	1853.9	1835.9	1849.9
15°	1826.8	1819.8	1826.8	1837.9	1821.8	1833.9
17.5°	1797.8	1786.8	1798.8	1815.8	1803.8	1814.8
20°	1760.7	1743.7	1756.7	1787.8	1776.7	1790.8
22.5°	1715.6	1694.6	1707.6	1752.7	1749.7	1764.7
25°	1664.5	1639.5	1657.5	1712.6	1718.6	1732.7
27.5°	1607.4	1579.3	1603.4	1668.5	1682.5	1698.6
30°	1545.3	1515.2	1543.3	1619.4	1640.5	1657.5
32.5°	1481.1	1448.1	1480.1	1564.3	1594.4	1616.4
35°	1414.0	1379.9	1416.0	1507.2	1543.3	1565.3
37.5°	1341.8	1308.8	1347.8	1447.0	1490.1	1512.2
40°	1267.7	1230.6	1274.7	1375.9	1433.0	1459.1
42.5°	1191.5	1145.4	1199.5	1308.8	1370.9	1396.9
45°	1106.3	1042.2	1115.3	1237.6	1302.7	1331.8
47.5°	1021.2	957.0	1031.2	1161.4	1231.6	1257.6
50°	939.0	883.9	943.0	1078.3	1159.4	1192.5
52.5°	863.8	818.7	868.8	997.1	1085.3	1118.4
55°	793.7	758.6	799.7	916.9	1007.1	1045.2
57.5°	727.5	705.5	733.5	840.8	935.0	971.0
60°	665.4	650.4	670.4	765.6	849.8	893.9
62.5°	604.3	596.3	611.3	686.4	770.6	816.7
65°	545.1	543.1	551.2	617.3	687.4	737.6
67.5°	486.0	485.0	490.0	544.1	606.3	655.4
70°	426.9	432.9	429.9	465.0	525.1	573.2
72.5°	366.8	375.8	370.8	392.8	451.0	489.0
75°	299.6	311.7	301.6	326.7	362.8	403.9
77.5°	230.5	243.5	231.5	253.5	292.6	321.7
80°	165.3	177.4	167.4	184.4	218.5	240.5
82.5°	104.2	113.2	105.2	122.3	156.3	172.4
85°	46.1	51.1	53.1	66.1	96.2	114.2
87.5°	2.0	1.0	2.0	13.0	34.1	50.1
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)