

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: P520783

Luminaire Tested: **8WSLA-75-L930-UNV-U**

Issue Date: 5/3/2021



Test Information

Test Method: LM-79-08
Report Number: P520783
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-L930-UNV-U
Description: 8 FOOT, 1500 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3000K, 90 CRI
LEDS WITH NO UPLIGHT
Light Source: -
Ballast/Driver: -

Summary

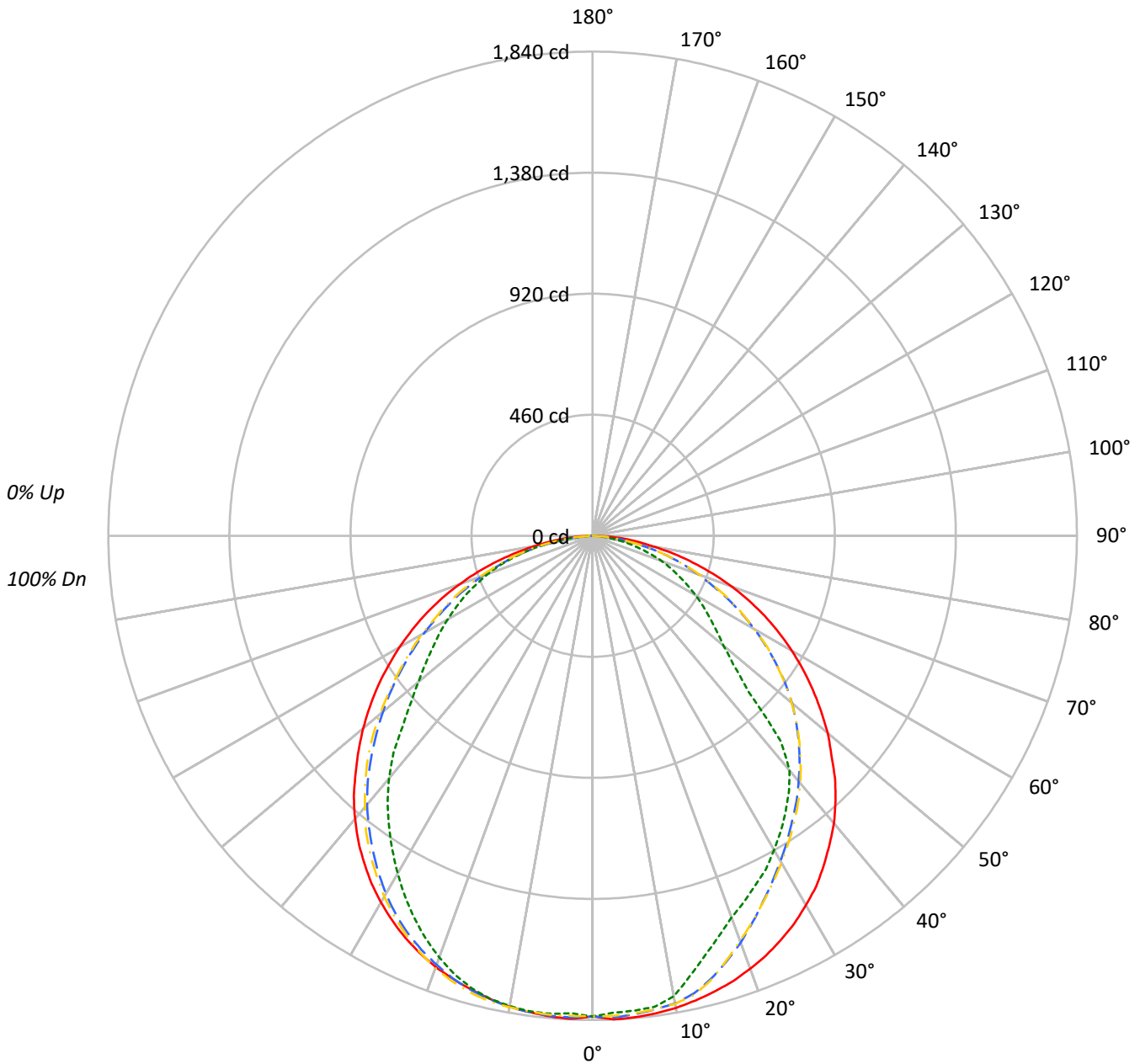
Lumens per Lamp: N/A
Luminaire Lumens: 4899.0 lumens
Efficiency: N/A
Efficacy: 105.1 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.17 / 1.33
Luminous Opening: Rectangular (W 0.5' x L: 8' x H: 0')
CIE Type: Direct

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: P520783

CATALOG NUMBER: 8WSLA-75-L930-UNV-U

Luminous Intensity Polar Plot





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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			
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°	4914	4914	4914	4914
5°	4962	4893	4954	4925
10°	4979	4856	4966	4958
15°	4995	4599	4973	4957
20°	5013	4419	4994	4882
25°	5029	4346	5003	4759
30°	5035	4283	4999	4603
35°	5027	4200	4976	4432
40°	5011	4089	4932	4226
45°	4955	3177	4843	3878
50°	4881	2719	4762	3617
55°	4794	2547	4670	3479
60°	4703	2430	4561	3422
65°	4592	2302	4436	3381
70°	4409	2189	4224	3330
75°	4105	1926	3911	3168
80°	3643	1609	3415	2687
85°	3449	1149	3026	1544



TEST NUMBER: P520783

CATALOG NUMBER: 8WSLA-75-L930-UNV-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.5	3.5
10°-20°	494.9	10.1
20°-30°	739.5	15.1
30°-40°	880.3	18.0
40°-50°	879.9	18.0
50°-60°	757.2	15.5
60°-70°	569.9	11.6
70°-80°	324.7	6.6
80°-90°	79.0	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°	1408.0	28.7
0°-40°	2288.3	46.7
0°-60°	3925.3	80.1
0°-90°	4899.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4899.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1826	1826	1826	1826	1826	
5°	1837	1812	1834	1823	1837	175
15°	1793	1651	1785	1779	1793	507
25°	1694	1464	1685	1603	1694	781
35°	1530	1278	1515	1349	1530	958
45°	1302	835	1273	1019	1302	1003
55°	1022	543	995	742	1022	914
65°	721	362	697	531	721	712
75°	395	185	376	305	395	418
85°	112	37	98	50	112	122
90°	0	0	0	0	0	



TEST NUMBER: P520783

CATALOG NUMBER: 8WSLA-75-L930-UNV-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	1826.2	1826.2	1826.2	1826.2	1826.2	1826.2	1826.2	1826.2	1826.2	1826.2	1826.2
2.5°	1839.9	1823.2	1833.0	1830.1	1814.4	1820.3	1826.2	1820.3	1837.9	1822.3	1833.0
5°	1837.0	1819.3	1825.2	1819.3	1811.5	1813.4	1822.3	1816.4	1834.0	1817.4	1831.1
7.5°	1831.1	1809.5	1815.4	1812.5	1805.6	1806.6	1815.4	1810.5	1826.2	1810.5	1826.2
10°	1822.3	1799.7	1804.6	1791.9	1777.2	1788.0	1805.6	1800.7	1817.4	1799.7	1817.4
12.5°	1808.6	1786.0	1781.1	1739.0	1712.5	1733.1	1787.0	1787.0	1802.7	1786.0	1804.6
15°	1792.9	1768.4	1741.9	1678.2	1650.8	1671.4	1745.8	1771.3	1785.0	1768.4	1787.0
17.5°	1774.3	1745.8	1694.9	1620.4	1595.0	1615.5	1692.0	1747.8	1765.4	1747.8	1764.5
20°	1750.7	1717.4	1644.9	1559.7	1543.0	1561.7	1638.1	1719.4	1743.9	1722.3	1734.1
22.5°	1725.3	1685.1	1589.1	1512.7	1504.8	1516.6	1586.2	1684.1	1716.5	1693.9	1701.8
25°	1693.9	1646.9	1533.3	1469.6	1463.7	1470.5	1535.2	1643.0	1685.1	1661.6	1664.5
27.5°	1660.6	1609.7	1480.3	1433.3	1427.4	1430.4	1484.3	1596.9	1648.9	1625.3	1620.4
30°	1620.4	1565.6	1427.4	1384.3	1378.5	1389.2	1435.3	1549.9	1608.7	1585.2	1570.5
32.5°	1580.3	1517.6	1375.5	1342.2	1330.5	1340.2	1384.3	1500.9	1564.6	1540.1	1515.6
35°	1530.3	1466.6	1321.6	1288.3	1278.5	1289.3	1333.4	1450.0	1514.6	1490.1	1456.8
37.5°	1478.4	1412.7	1272.6	1242.3	1224.6	1237.4	1281.5	1397.1	1462.7	1437.2	1396.1
40°	1426.5	1355.9	1217.8	1186.4	1163.9	1182.5	1227.6	1341.2	1403.9	1380.4	1333.4
42.5°	1365.7	1299.1	1163.9	1119.8	1056.1	1115.9	1169.8	1285.4	1343.2	1320.7	1263.8
45°	1302.0	1238.4	1107.1	1000.3	834.7	1010.1	1111.0	1226.6	1272.6	1251.1	1189.4
47.5°	1229.5	1175.7	1049.3	886.6	726.0	896.4	1051.2	1170.8	1206.0	1182.5	1113.9
50°	1165.9	1113.0	988.5	790.6	649.5	801.4	987.6	1108.1	1137.4	1115.9	1039.5
52.5°	1093.4	1047.3	922.9	705.4	592.7	716.2	920.9	1043.4	1066.9	1041.4	965.0
55°	1021.8	980.7	853.3	630.0	542.8	639.8	851.4	976.8	995.4	966.0	886.6
57.5°	949.3	912.1	781.8	562.4	496.7	573.1	786.7	908.2	920.9	883.7	811.2
60°	873.9	842.6	709.3	502.6	451.6	511.4	707.4	839.6	847.5	807.3	737.7
62.5°	798.5	770.1	636.8	447.7	405.6	453.6	641.7	767.1	772.0	733.8	662.3
65°	721.1	694.6	566.3	389.9	361.5	399.7	571.2	691.7	696.6	653.5	588.8
67.5°	640.7	619.2	490.8	345.8	319.4	348.8	500.6	615.3	618.2	576.1	517.3
70°	560.4	541.8	424.2	297.8	278.2	298.8	431.1	531.0	536.9	491.8	444.8
72.5°	478.1	463.4	359.6	247.9	230.2	247.9	363.5	453.6	457.5	420.3	374.3
75°	394.8	384.0	293.9	198.9	185.2	197.9	295.9	376.2	376.2	340.9	304.7
77.5°	314.5	306.7	225.3	152.8	143.0	150.9	226.3	297.8	295.9	268.4	240.0
80°	235.1	229.3	161.7	110.7	103.8	107.8	161.7	220.4	220.4	200.8	166.6
82.5°	168.5	161.7	106.8	72.5	68.6	70.5	104.8	153.8	156.8	142.1	112.7
85°	111.7	96.0	57.8	40.2	37.2	38.2	54.9	89.2	98.0	82.3	58.8
87.5°	49.0	32.3	14.7	5.9	2.9	3.9	11.8	28.4	37.2	24.5	7.8
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: P520783

CATALOG NUMBER: 8WSLA-75-L930-UNV-U

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1826.2	1826.2	1826.2	1826.2	1826.2	1826.2
2.5°	1832.1	1816.4	1822.3	1826.2	1822.3	1839.9
5°	1830.1	1823.2	1822.3	1827.2	1819.3	1837.0
7.5°	1827.2	1823.2	1822.3	1824.2	1814.4	1831.1
10°	1820.3	1814.4	1816.4	1819.3	1806.6	1822.3
12.5°	1807.6	1801.7	1802.7	1812.5	1794.8	1808.6
15°	1786.0	1779.2	1786.0	1796.8	1781.1	1792.9
17.5°	1757.6	1746.8	1758.6	1775.2	1763.5	1774.3
20°	1721.4	1704.7	1717.4	1747.8	1737.0	1750.7
22.5°	1677.3	1656.7	1669.4	1713.5	1710.6	1725.3
25°	1627.3	1602.8	1620.4	1674.3	1680.2	1693.9
27.5°	1571.5	1544.0	1567.5	1631.2	1644.9	1660.6
30°	1510.7	1481.3	1508.8	1583.2	1603.8	1620.4
32.5°	1448.0	1415.7	1447.0	1529.3	1558.7	1580.3
35°	1382.4	1349.1	1384.3	1473.5	1508.8	1530.3
37.5°	1311.8	1279.5	1317.7	1414.7	1456.8	1478.4
40°	1239.3	1203.1	1246.2	1345.1	1401.0	1426.5
42.5°	1164.9	1119.8	1172.7	1279.5	1340.2	1365.7
45°	1081.6	1018.9	1090.4	1209.9	1273.6	1302.0
47.5°	998.3	935.6	1008.1	1135.5	1204.1	1229.5
50°	918.0	864.1	921.9	1054.2	1133.5	1165.9
52.5°	844.5	800.4	849.4	974.8	1061.0	1093.4
55°	775.9	741.6	781.8	896.4	984.6	1021.8
57.5°	711.3	689.7	717.2	822.0	914.1	949.3
60°	650.5	635.8	655.4	748.5	830.8	873.9
62.5°	590.8	582.9	597.6	671.1	753.4	798.5
65°	533.0	531.0	538.8	603.5	672.1	721.1
67.5°	475.2	474.2	479.1	532.0	592.7	640.7
70°	417.4	423.2	420.3	454.6	513.4	560.4
72.5°	358.6	367.4	362.5	384.0	440.9	478.1
75°	292.9	304.7	294.9	319.4	354.7	394.8
77.5°	225.3	238.1	226.3	247.9	286.1	314.5
80°	161.7	173.4	163.6	180.3	213.6	235.1
82.5°	101.9	110.7	102.9	119.5	152.8	168.5
85°	45.1	50.0	51.9	64.7	94.1	111.7
87.5°	2.0	1.0	2.0	12.7	33.3	49.0
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)