

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: METALUX

Report Number: P600883

Luminaire Tested: **8SLSTPSLC-UNV-MID-3500K**

Issue Date: 7/7/2022



Test Information

Test Method: LM-79-08
Report Number: P600883
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (220317012-01-002)
Test Lab: INNOVATION CENTER
Issue Date: 7/7/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SLSTPSLC-UNV-MID-3500K
Description: G3 8ft 8SLSTPSLC-UNV 60W at 3500K
Light Source: -
Ballast/Driver: -

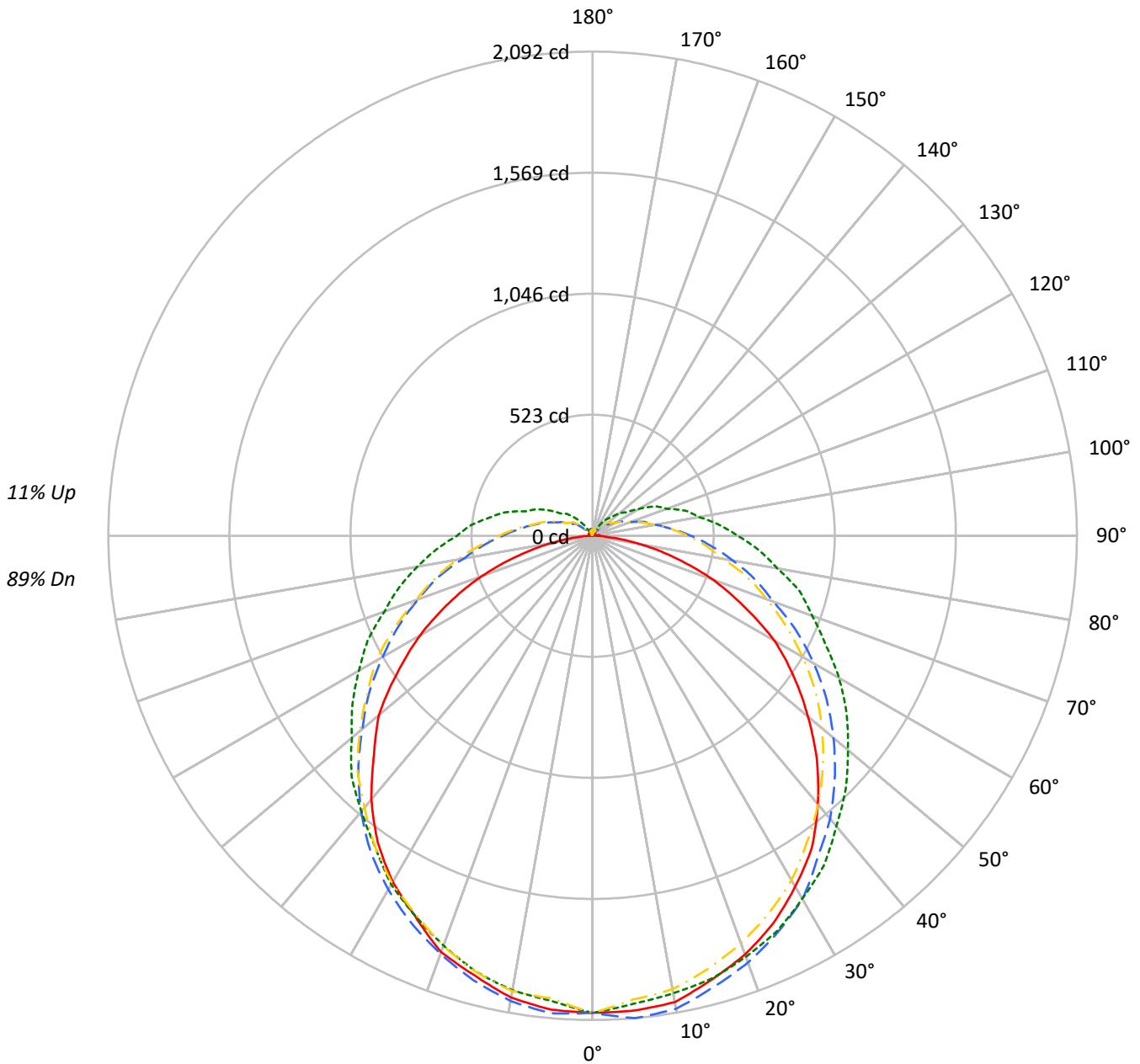
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7782.3 lumens
Efficiency: N/A
Efficacy: 121.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.28 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.22' x L: 8' x H: 0.22')
CIE Type: Semi-Direct

Input Watts (W): 64.3
Input Voltage (V): NR
Input Current (Ain): 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: P600883
CATALOG NUMBER: 8SLSTPSLC-UNV-MID-3500K

Luminous Intensity Polar Plot





TEST NUMBER: P600883

CATALOG NUMBER: 8SLSTPSLC-UNV-MID-3500K

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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89																			
1	104	98	93	88	100	95	90	86	88	85	81	83	80	77	77	75	73	70																			
2	94	84	77	70	90	82	75	69	76	70	65	71	66	62	67	63	59	56																			
3	85	73	65	58	81	71	63	56	66	60	54	62	56	52	58	53	49	47																			
4	77	65	55	48	74	63	54	47	59	51	45	55	49	44	52	46	42	39																			
5	71	58	48	41	68	56	47	40	52	45	39	49	43	38	46	41	36	34																			
6	65	52	42	36	63	50	41	35	47	40	34	44	38	33	42	36	32	29																			
7	61	47	38	31	58	45	37	31	43	35	30	40	34	29	38	32	28	26																			
8	56	42	34	28	54	41	33	27	39	32	27	37	30	26	35	29	25	23																			
9	53	39	31	25	51	38	30	24	36	29	24	34	28	23	32	27	22	20																			
10	49	36	28	22	47	35	27	22	33	26	22	31	25	21	30	24	20	18																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	12865	12865	12865	12865
5°	12872	11692	12847	11622
10°	12906	10812	12781	10739
15°	12739	10093	12621	9929
20°	12665	9421	12591	9167
25°	12564	8842	12339	8505
30°	12422	8266	12254	7943
35°	12339	7793	12102	7335
40°	12062	7247	11845	6876
45°	11780	6815	11473	6489
50°	11420	6368	11345	6007
55°	11115	5994	10774	5666
60°	10825	5606	10267	5314
65°	10043	5201	9514	5027
70°	9349	4901	8644	4649
75°	8047	4706	7206	4404
80°	6483	4348	5607	4128
85°	3710	4149	3250	3888



TEST NUMBER: P600883

CATALOG NUMBER: 8SLSTPSLC-UNV-MID-3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.0	2.5
10°-20°	559.5	7.2
20°-30°	852.8	11.0
30°-40°	1043.1	13.4
40°-50°	1111.1	14.3
50°-60°	1060.4	13.6
60°-70°	912.5	11.7
70°-80°	702.8	9.0
80°-90°	490.6	6.3
90°-100°	334.0	4.3
100°-110°	222.3	2.9
110°-120°	139.5	1.8
120°-130°	82.7	1.1
130°-140°	42.9	0.6
140°-150°	16.9	0.2
150°-160°	9.2	0.1
160°-170°	5.5	0.1
170°-180°	1.4	0.0
0°-30°	1607.3	20.7
0°-40°	2650.4	34.1
0°-60°	4821.9	62.0
0°-90°	6927.9	89.0
90°-120°	695.7	8.9
90°-150°	838.3	10.8
90°-180°	854.0	11.0
0°-180°	7782.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2061	2061	2061	2061	2061	
5°	2059	2030	2055	2018	2059	196
15°	1986	1982	1967	1949	1986	561
25°	1847	1884	1814	1812	1847	851
35°	1650	1741	1618	1639	1650	1029
45°	1370	1546	1335	1472	1370	1056
55°	1061	1340	1028	1266	1061	950
65°	719	1110	682	1072	719	717
75°	367	926	329	866	367	394
85°	68	722	59	677	68	90
90°	16	627	7	586	16	18
95°	30	548	0	527	30	10
105°	4	418	8	392	4	4
115°	8	301	15	270	8	9
125°	10	177	8	168	10	9
135°	13	113	8	111	13	9
145°	11	73	11	9	11	6
155°	8	5	4	15	8	3
165°	9	20	12	26	9	2
175°	12	6	7	17	12	1
180°	13	13	13	13	13	



TEST NUMBER: P600883

CATALOG NUMBER: 8SLSTPSLC-UNV-MID-3500K

CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	2061.0	2061.0	2061.0	2061.0	2061.0	2061.0	2061.0	2061.0	2061.0	2061.0	2061.0
5°	2059.1	2077.0	2025.2	2092.2	2085.5	2062.3	2029.7	2038.6	2044.4	2011.4	2053.3
10°	2045.8	2042.6	1999.3	2075.2	2058.7	2038.6	2007.4	2024.3	2016.3	1989.5	2034.2
15°	1985.5	2010.9	1975.2	2018.5	2020.3	2014.5	1981.5	1979.3	1972.1	1935.1	1988.2
20°	1925.3	1940.0	1915.9	1962.3	1973.9	1974.8	1936.0	1929.7	1915.0	1873.9	1906.5
25°	1847.2	1861.0	1840.5	1890.9	1894.0	1899.4	1884.2	1844.9	1845.4	1800.3	1821.3
30°	1750.3	1765.0	1746.3	1813.7	1820.4	1819.0	1811.0	1786.0	1772.6	1718.2	1740.5
35°	1649.9	1652.1	1666.0	1695.0	1724.9	1742.7	1740.9	1705.7	1684.3	1615.1	1610.2
40°	1513.8	1521.8	1548.6	1595.5	1616.9	1634.7	1637.9	1616.9	1576.7	1515.6	1496.4
45°	1370.5	1379.9	1433.0	1479.4	1514.7	1550.8	1546.4	1517.4	1481.7	1407.1	1369.6
50°	1213.9	1233.1	1297.3	1358.0	1408.5	1429.9	1439.7	1415.6	1367.4	1292.9	1217.9
55°	1060.8	1078.2	1167.0	1234.0	1285.7	1332.6	1339.7	1304.0	1248.7	1175.5	1076.0
60°	907.7	923.4	1005.0	1102.8	1166.6	1224.6	1229.1	1207.2	1119.3	1047.4	945.7
65°	719.4	781.0	865.8	970.2	1043.9	1128.6	1109.5	1090.3	1020.2	920.2	797.1
70°	550.3	610.1	718.5	828.7	944.3	1008.2	1008.6	992.5	917.1	800.2	675.7
75°	367.3	463.7	592.7	725.2	835.9	902.4	925.6	889.0	793.5	692.2	539.6
80°	208.0	291.9	464.1	615.0	723.0	786.8	809.1	790.8	687.7	568.1	436.5
85°	67.8	201.3	357.9	515.0	631.5	709.6	722.1	679.7	611.0	490.9	323.1
90°	16.5	115.6	270.4	425.3	535.1	606.1	627.0	604.3	526.2	410.6	248.1
95°	29.9	82.1	212.9	339.6	461.5	519.0	547.6	533.3	450.7	339.2	204.4
100°	2.2	33.9	156.6	276.2	386.9	448.5	465.9	462.3	387.8	273.1	148.2
105°	3.6	48.2	108.9	232.1	317.3	395.9	417.7	386.9	316.9	220.0	97.7
110°	7.1	25.0	72.7	170.5	271.3	328.0	340.5	326.7	267.3	176.3	83.0
115°	7.6	20.5	73.2	147.3	208.4	267.8	301.2	253.5	200.8	142.8	75.4
120°	12.9	21.9	56.7	113.8	181.6	192.8	232.5	215.1	164.2	110.7	62.0
125°	9.8	18.7	53.6	88.8	128.1	169.1	176.7	170.9	140.6	94.2	45.1
130°	6.7	22.3	35.7	66.5	118.3	150.4	151.3	141.0	112.0	92.8	24.1
135°	12.9	19.6	27.2	53.1	97.7	112.0	112.9	114.2	93.7	68.3	19.2
140°	14.7	18.3	19.2	26.3	63.4	87.5	93.3	79.9	81.7	40.2	21.4
145°	11.2	21.4	31.7	17.4	33.0	68.3	73.2	76.8	50.9	13.4	28.6
150°	0.0	19.2	35.7	21.9	20.1	15.2	22.3	20.1	11.6	25.0	38.4
155°	7.6	6.7	30.3	21.9	24.1	10.7	5.4	17.9	16.5	26.3	29.9
160°	8.0	8.5	11.6	13.8	25.0	25.4	28.1	40.2	25.9	30.3	11.6
165°	8.9	15.6	9.8	12.9	27.7	14.7	20.5	32.1	21.0	11.6	21.4
170°	8.9	17.0	3.6	4.9	13.8	10.3	25.4	16.5	22.8	14.7	10.3
175°	12.5	17.4	12.5	11.2	23.2	18.7	6.2	1.3	13.4	29.0	0.0
180°	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7



TEST NUMBER: P600883

CATALOG NUMBER: 8SLSTPSLC-UNV-MID-3500K

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	2061.0	2061.0	2061.0	2061.0	2061.0	2061.0	2061.0	2061.0	2061.0	2061.0	2061.0
5°	2033.7	2055.1	2073.0	2040.4	2071.2	2074.8	2072.1	2017.6	2043.1	2039.1	2006.9
10°	2023.0	2026.1	2035.9	2000.7	2040.8	2045.3	2051.1	1994.0	2014.5	2021.2	1997.6
15°	1959.6	1967.2	1996.2	1951.6	1988.2	1998.5	1998.5	1949.4	1975.2	1961.9	1950.7
20°	1918.6	1914.1	1926.6	1894.0	1921.7	1925.7	1949.8	1883.8	1926.6	1922.6	1886.4
25°	1825.7	1814.1	1825.7	1825.7	1848.9	1863.7	1882.4	1812.4	1860.6	1847.6	1805.2
30°	1740.9	1726.7	1730.7	1736.9	1765.5	1773.5	1809.7	1740.1	1782.5	1767.3	1732.5
35°	1627.6	1618.2	1615.1	1641.4	1670.9	1676.2	1714.2	1638.7	1692.3	1663.7	1638.7
40°	1486.6	1486.6	1492.8	1531.6	1554.8	1586.1	1626.7	1554.0	1599.9	1570.5	1532.5
45°	1362.1	1334.8	1331.7	1395.5	1431.7	1470.5	1511.1	1472.3	1500.8	1458.4	1435.2
50°	1204.5	1205.9	1181.8	1242.4	1298.2	1355.8	1396.0	1358.0	1390.6	1361.2	1312.1
55°	1047.0	1028.2	1022.0	1109.0	1177.3	1253.6	1280.4	1266.5	1282.2	1264.3	1187.6
60°	881.9	860.9	876.9	971.1	1046.5	1137.6	1176.0	1165.2	1151.4	1126.0	1078.7
65°	723.0	681.5	719.4	827.0	925.6	1015.3	1057.7	1072.4	1055.0	1018.4	945.7
70°	545.4	508.8	560.5	675.2	800.2	892.1	942.1	956.8	946.6	897.9	811.3
75°	388.7	328.9	408.8	551.6	690.8	779.7	842.6	866.2	841.2	803.3	702.4
80°	265.1	179.9	273.6	430.2	564.5	682.4	740.4	768.1	745.7	681.9	592.2
85°	170.0	59.4	169.6	319.5	472.2	590.9	648.0	676.6	655.6	600.2	489.1
90°	91.9	6.7	108.9	249.5	388.3	493.1	573.0	585.5	568.6	499.8	403.4
95°	63.4	0.4	62.9	174.9	320.0	427.1	490.5	527.1	503.0	432.0	332.5
100°	39.3	16.1	39.3	138.8	264.6	361.5	418.2	451.6	424.9	358.8	267.8
105°	34.8	8.5	36.6	112.9	215.1	292.8	355.7	391.8	363.7	309.3	225.4
110°	25.9	4.0	18.7	83.9	168.2	259.7	294.1	307.5	305.3	252.1	181.2
115°	21.0	14.7	0.0	74.1	137.9	206.6	237.0	270.4	256.2	201.7	129.4
120°	16.1	18.7	17.4	41.5	100.9	168.2	194.1	220.5	194.1	172.7	110.7
125°	24.5	8.0	29.0	12.9	92.4	145.0	168.2	167.8	169.1	139.7	103.5
130°	14.7	2.2	30.8	7.1	41.1	105.8	133.4	148.2	139.2	113.4	61.1
135°	18.7	7.6	18.3	21.9	17.9	66.5	117.8	111.1	118.3	83.9	11.6
140°	7.6	6.2	20.1	18.3	13.4	10.3	32.6	71.4	43.3	1.3	8.5
145°	27.2	10.7	25.0	33.5	17.4	23.2	18.7	8.9	21.9	0.4	2.7
150°	21.0	0.0	17.0	35.3	20.1	9.8	4.0	3.6	0.0	8.0	17.0
155°	19.2	3.6	31.7	33.0	21.0	38.8	24.1	15.2	24.5	28.1	21.9
160°	21.0	10.3	16.5	29.0	30.8	27.2	33.5	29.5	23.2	27.2	22.3
165°	26.8	12.0	8.5	26.3	25.0	25.0	21.4	26.3	19.2	25.0	8.9
170°	14.7	14.7	25.4	14.7	29.5	23.2	29.0	16.5	16.1	13.8	16.5
175°	10.7	6.7	16.1	12.0	17.4	14.3	20.5	17.0	18.3	12.9	26.3
180°	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7



TEST NUMBER: P600883

CATALOG NUMBER: 8SLSTPSLC-UNV-MID-3500K

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	2061.0	2061.0	2061.0
5°	2061.4	2042.6	2059.1
10°	2024.3	2024.3	2045.8
15°	1976.1	1993.1	1985.5
20°	1921.7	1927.5	1925.3
25°	1850.3	1850.3	1847.2
30°	1756.1	1760.6	1750.3
35°	1659.7	1655.3	1649.9
40°	1526.7	1529.9	1513.8
45°	1405.3	1407.6	1370.5
50°	1267.9	1255.8	1213.9
55°	1123.3	1101.9	1060.8
60°	985.4	926.0	907.7
65°	848.8	769.4	719.4
70°	703.3	618.1	550.3
75°	564.1	439.6	367.3
80°	446.3	308.4	208.0
85°	349.9	182.1	67.8
90°	270.0	116.9	16.5
95°	200.4	58.9	29.9
100°	148.6	37.9	2.2
105°	108.4	34.8	3.6
110°	79.9	21.4	7.1
115°	77.7	24.5	7.6
120°	49.5	20.5	12.9
125°	15.6	29.9	9.8
130°	4.5	7.6	6.7
135°	24.5	17.4	12.9
140°	25.0	16.1	14.7
145°	22.8	26.8	11.2
150°	15.6	23.2	0.0
155°	25.0	16.5	7.6
160°	12.9	11.6	8.0
165°	21.0	17.0	8.9
170°	21.4	9.8	8.9
175°	6.2	8.5	12.5
180°	12.7	12.7	12.7



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - - 90°-270° - · - · 135°-315°











(END OF REPORT)