

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: P600876

Luminaire Tested: **8SLSTPSLC-347-MID-5000K**

Issue Date: 7/7/2022



Test Information

Test Method: LM-79-08
Report Number: P600876
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-347-MID-5000K
Description: G3 8ft 8SLSTPSLC-347 60W at 5000K
Light Source: -
Ballast/Driver: -

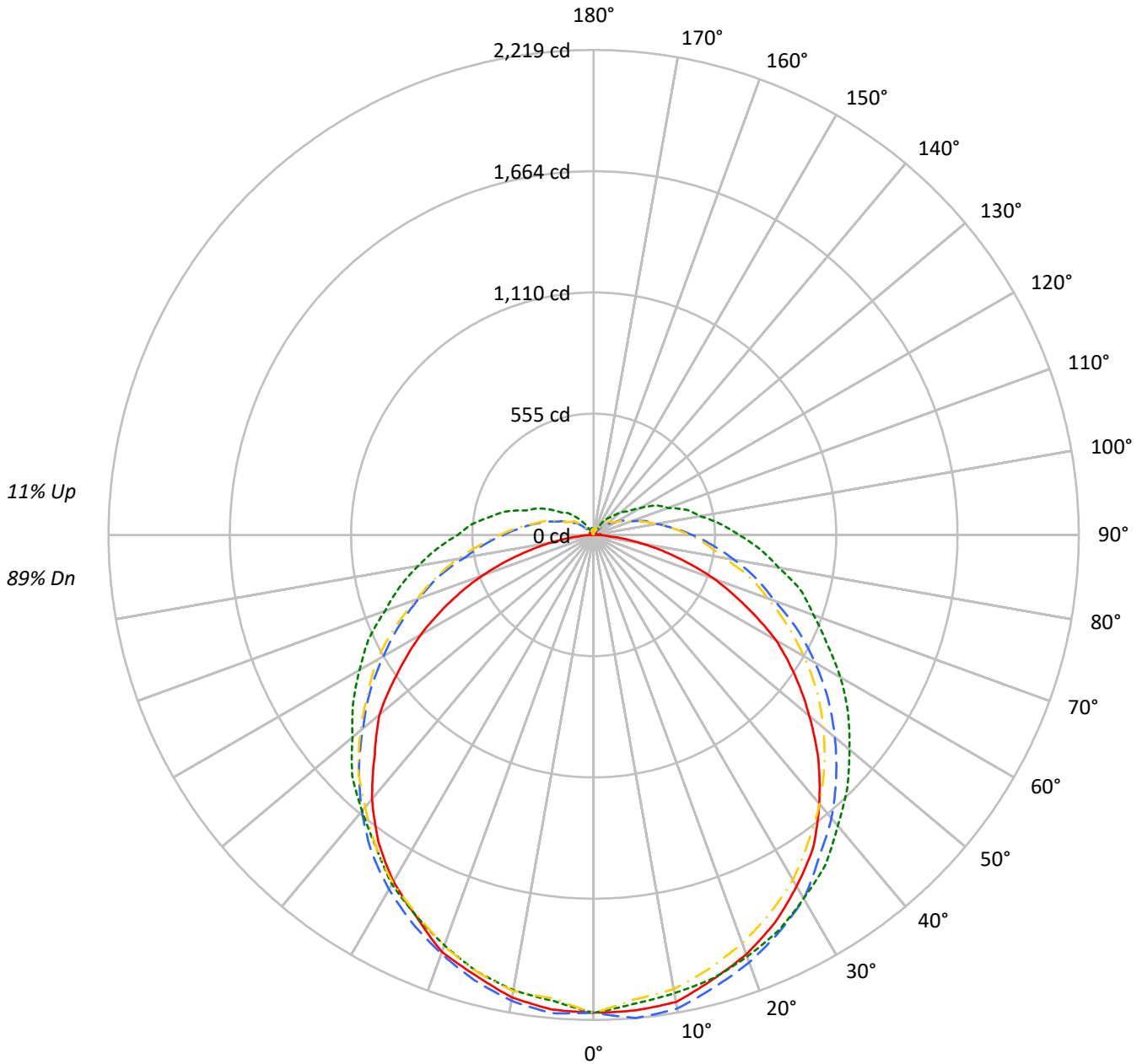
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8254.0 lumens
Efficiency: N/A
Efficacy: 126.8 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): 65.1
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

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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	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	66	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°	13645	13645	13645	13645
5°	13653	12400	13626	12327
10°	13688	11467	13556	11390
15°	13511	10704	13387	10531
20°	13432	9992	13354	9722
25°	13325	9378	13087	9020
30°	13175	8767	12997	8424
35°	13087	8265	12836	7780
40°	12792	7686	12563	7293
45°	12494	7228	12168	6882
50°	12113	6754	12032	6371
55°	11789	6357	11428	6010
60°	11482	5945	10890	5637
65°	10652	5516	10091	5331
70°	9915	5198	9167	4931
75°	8535	4991	7641	4671
80°	6876	4612	5947	4378
85°	3934	4401	3447	4123



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	206.8	2.5
10°-20°	593.5	7.2
20°-30°	904.4	11.0
30°-40°	1106.3	13.4
40°-50°	1178.5	14.3
50°-60°	1124.7	13.6
60°-70°	967.9	11.7
70°-80°	745.4	9.0
80°-90°	520.4	6.3
90°-100°	354.2	4.3
100°-110°	235.8	2.9
110°-120°	147.9	1.8
120°-130°	87.7	1.1
130°-140°	45.5	0.6
140°-150°	17.9	0.2
150°-160°	9.8	0.1
160°-170°	5.8	0.1
170°-180°	1.5	0.0
0°-30°	1704.7	20.7
0°-40°	2811.0	34.1
0°-60°	5114.2	62.0
0°-90°	7347.8	89.0
90°-120°	737.9	8.9
90°-150°	889.1	10.8
90°-180°	906.0	11.0
0°-180°	8254.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2186	2186	2186	2186	2186	
5°	2184	2153	2180	2140	2184	208
15°	2106	2102	2086	2068	2106	595
25°	1959	1998	1924	1922	1959	902
35°	1750	1846	1716	1738	1750	1091
45°	1454	1640	1416	1562	1454	1120
55°	1125	1421	1091	1343	1125	1007
65°	763	1177	723	1137	763	761
75°	390	982	349	919	390	418
85°	72	766	63	718	72	95
90°	18	665	7	621	18	19
95°	32	581	0	559	32	11
105°	4	443	9	416	4	5
115°	8	320	16	287	8	9
125°	10	187	8	178	10	9
135°	14	120	8	118	14	10
145°	12	78	11	10	12	6
155°	8	6	4	16	8	3
165°	10	22	13	28	10	3
175°	13	7	7	18	13	1
180°	14	14	14	14	14	



TEST NUMBER: P600876

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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	2186.0	2186.0	2186.0	2186.0	2186.0	2186.0	2186.0	2186.0	2186.0	2186.0	2186.0
5°	2184.0	2202.9	2148.0	2219.0	2211.9	2187.3	2152.7	2162.2	2168.3	2133.3	2177.8
10°	2169.8	2166.5	2120.5	2201.0	2183.5	2162.2	2129.1	2147.0	2138.5	2110.1	2157.5
15°	2105.9	2132.8	2095.0	2140.9	2142.8	2136.6	2101.6	2099.2	2091.7	2052.4	2108.7
20°	2042.0	2057.6	2032.0	2081.3	2093.6	2094.5	2053.3	2046.7	2031.1	1987.5	2022.1
25°	1959.1	1973.8	1952.0	2005.5	2008.8	2014.5	1998.4	1956.8	1957.2	1909.4	1931.7
30°	1856.4	1872.0	1852.2	1923.6	1930.7	1929.3	1920.8	1894.3	1880.1	1822.3	1846.0
35°	1749.9	1752.3	1767.0	1797.7	1829.4	1848.4	1846.5	1809.1	1786.4	1713.0	1707.8
40°	1605.5	1614.1	1642.5	1692.2	1714.9	1733.8	1737.1	1714.9	1672.3	1607.4	1587.1
45°	1453.6	1463.5	1519.9	1569.1	1606.5	1644.8	1640.1	1609.3	1571.5	1492.4	1452.7
50°	1287.5	1307.8	1376.0	1440.4	1493.8	1516.6	1527.0	1501.4	1450.3	1371.2	1291.7
55°	1125.1	1143.6	1237.8	1308.8	1363.7	1413.4	1420.9	1383.1	1324.4	1246.8	1141.2
60°	962.8	979.3	1065.9	1169.6	1237.3	1298.8	1303.6	1280.4	1187.1	1110.9	1003.0
65°	763.0	828.3	918.3	1029.0	1107.1	1197.1	1176.7	1156.4	1082.0	976.0	845.4
70°	583.6	647.0	762.1	879.0	1001.6	1069.3	1069.7	1052.7	972.7	848.7	716.6
75°	389.6	491.8	628.6	769.2	886.6	957.1	981.7	942.9	841.6	734.1	572.3
80°	220.6	309.6	492.3	652.3	766.8	834.5	858.2	838.7	729.4	602.6	462.9
85°	71.9	213.5	379.6	546.2	669.8	752.6	765.9	720.9	648.0	520.7	342.7
90°	17.5	122.6	286.8	451.1	567.5	642.8	665.0	640.9	558.1	435.5	263.2
95°	31.7	87.1	225.8	360.2	489.4	550.5	580.8	565.6	478.1	359.7	216.8
100°	2.4	36.0	166.1	293.0	410.4	475.7	494.2	490.4	411.3	289.7	157.1
105°	3.8	51.1	115.5	246.1	336.5	419.8	443.0	410.4	336.1	233.4	103.7
110°	7.6	26.5	77.2	180.8	287.8	347.9	361.2	346.5	283.5	187.0	88.0
115°	8.0	21.8	77.6	156.2	221.0	284.0	319.5	268.9	213.0	151.5	80.0
120°	13.7	23.2	60.1	120.7	192.6	204.5	246.6	228.1	174.2	117.4	65.8
125°	10.4	19.9	56.8	94.2	135.8	179.4	187.4	181.3	149.1	99.9	47.8
130°	7.1	23.7	37.9	70.5	125.4	159.5	160.5	149.6	118.8	98.5	25.6
135°	13.7	20.8	28.9	56.3	103.7	118.8	119.8	121.2	99.4	72.4	20.4
140°	15.6	19.4	20.4	27.9	67.2	92.8	98.9	84.7	86.6	42.6	22.7
145°	11.8	22.7	33.6	18.5	35.0	72.4	77.6	81.4	54.0	14.2	30.3
150°	0.0	20.4	37.9	23.2	21.3	16.1	23.7	21.3	12.3	26.5	40.7
155°	8.0	7.1	32.2	23.2	25.6	11.4	5.7	18.9	17.5	27.9	31.7
160°	8.5	9.0	12.3	14.7	26.5	27.0	29.8	42.6	27.5	32.2	12.3
165°	9.5	16.6	10.4	13.7	29.3	15.6	21.8	34.1	22.2	12.3	22.7
170°	9.5	18.0	3.8	5.2	14.7	10.9	27.0	17.5	24.1	15.6	10.9
175°	13.3	18.5	13.3	11.8	24.6	19.9	6.6	1.4	14.2	30.8	0.0
180°	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5



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CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	2186.0	2186.0	2186.0	2186.0	2186.0	2186.0	2186.0	2186.0	2186.0	2186.0	2186.0
5°	2157.0	2179.7	2198.6	2164.1	2196.7	2200.5	2197.7	2139.9	2166.9	2162.7	2128.6
10°	2145.6	2148.9	2159.3	2122.0	2164.6	2169.3	2175.4	2114.9	2136.6	2143.7	2118.6
15°	2078.4	2086.5	2117.2	2069.9	2108.7	2119.6	2119.6	2067.5	2095.0	2080.8	2068.9
20°	2034.9	2030.1	2043.4	2008.8	2038.2	2042.4	2068.0	1997.9	2043.4	2039.1	2000.8
25°	1936.4	1924.1	1936.4	1936.4	1961.0	1976.6	1996.5	1922.2	1973.3	1959.6	1914.6
30°	1846.5	1831.3	1835.6	1842.2	1872.5	1881.0	1919.4	1845.5	1890.5	1874.4	1837.5
35°	1726.2	1716.3	1713.0	1740.9	1772.2	1777.8	1818.1	1738.1	1794.9	1764.6	1738.1
40°	1576.7	1576.7	1583.3	1624.5	1649.1	1682.2	1725.3	1648.2	1696.9	1665.7	1625.4
45°	1444.6	1415.7	1412.4	1480.1	1518.5	1559.6	1602.7	1561.5	1591.8	1546.9	1522.2
50°	1277.5	1278.9	1253.4	1317.8	1376.9	1438.0	1480.6	1440.4	1474.9	1443.7	1391.6
55°	1110.4	1090.6	1083.9	1176.2	1248.7	1329.6	1358.0	1343.3	1359.9	1341.0	1259.5
60°	935.3	913.1	930.1	1030.0	1110.0	1206.5	1247.2	1235.9	1221.2	1194.2	1144.0
65°	766.8	722.8	763.0	877.1	981.7	1076.8	1121.8	1137.4	1119.0	1080.1	1003.0
70°	578.4	539.6	594.5	716.2	848.7	946.2	999.2	1014.8	1003.9	952.3	860.5
75°	412.3	348.8	433.6	585.0	732.7	826.9	893.7	918.7	892.2	852.0	745.0
80°	281.2	190.8	290.2	456.3	598.8	723.7	785.3	814.6	790.9	723.3	628.1
85°	180.3	63.0	179.9	338.9	500.8	626.7	687.3	717.6	695.3	636.6	518.8
90°	97.5	7.1	115.5	264.6	411.8	523.0	607.8	621.0	603.0	530.1	427.9
95°	67.2	0.5	66.7	185.5	339.4	453.0	520.2	559.0	533.4	458.2	352.6
100°	41.7	17.0	41.7	147.2	280.7	383.4	443.5	479.0	450.6	380.6	284.0
105°	36.9	9.0	38.8	119.8	228.1	310.5	377.2	415.6	385.8	328.0	239.0
110°	27.5	4.3	19.9	89.0	178.4	275.5	311.9	326.1	323.8	267.4	192.2
115°	22.2	15.6	0.0	78.6	146.3	219.2	251.3	286.8	271.7	213.9	137.3
120°	17.0	19.9	18.5	44.0	107.0	178.4	205.9	233.8	205.9	183.2	117.4
125°	26.0	8.5	30.8	13.7	98.0	153.8	178.4	178.0	179.4	148.2	109.8
130°	15.6	2.4	32.7	7.6	43.5	112.2	141.5	157.1	147.7	120.2	64.8
135°	19.9	8.0	19.4	23.2	18.9	70.5	125.0	117.9	125.4	89.0	12.3
140°	8.0	6.6	21.3	19.4	14.2	10.9	34.6	75.7	45.9	1.4	9.0
145°	28.9	11.4	26.5	35.5	18.5	24.6	19.9	9.5	23.2	0.5	2.8
150°	22.2	0.0	18.0	37.4	21.3	10.4	4.3	3.8	0.0	8.5	18.0
155°	20.4	3.8	33.6	35.0	22.2	41.2	25.6	16.1	26.0	29.8	23.2
160°	22.2	10.9	17.5	30.8	32.7	28.9	35.5	31.2	24.6	28.9	23.7
165°	28.4	12.8	9.0	27.9	26.5	26.5	22.7	27.9	20.4	26.5	9.5
170°	15.6	15.6	27.0	15.6	31.2	24.6	30.8	17.5	17.0	14.7	17.5
175°	11.4	7.1	17.0	12.8	18.5	15.1	21.8	18.0	19.4	13.7	27.9
180°	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5



TEST NUMBER: P600876

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CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	2186.0	2186.0	2186.0
5°	2186.3	2166.5	2184.0
10°	2147.0	2147.0	2169.8
15°	2095.9	2113.9	2105.9
20°	2038.2	2044.3	2042.0
25°	1962.4	1962.4	1959.1
30°	1862.6	1867.3	1856.4
35°	1760.3	1755.6	1749.9
40°	1619.3	1622.6	1605.5
45°	1490.5	1492.9	1453.6
50°	1344.7	1332.0	1287.5
55°	1191.4	1168.7	1125.1
60°	1045.1	982.2	962.8
65°	900.3	816.0	763.0
70°	746.0	655.6	583.6
75°	598.3	466.2	389.6
80°	473.3	327.1	220.6
85°	371.1	193.1	71.9
90°	286.4	124.0	17.5
95°	212.5	62.5	31.7
100°	157.6	40.2	2.4
105°	115.0	36.9	3.8
110°	84.7	22.7	7.6
115°	82.4	26.0	8.0
120°	52.5	21.8	13.7
125°	16.6	31.7	10.4
130°	4.7	8.0	7.1
135°	26.0	18.5	13.7
140°	26.5	17.0	15.6
145°	24.1	28.4	11.8
150°	16.6	24.6	0.0
155°	26.5	17.5	8.0
160°	13.7	12.3	8.5
165°	22.2	18.0	9.5
170°	22.7	10.4	9.5
175°	6.6	9.0	13.3
180°	13.5	13.5	13.5



Report Generated By 670246072 / DESKTOP-MV3F9LC





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











(END OF REPORT)