

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: P600875

Luminaire Tested: **8SLSTPSLC-347-MID-40000K**

Issue Date: 7/7/2022



Test Information

Test Method: LM-79-08
Report Number: P600875
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-40000K
Description: G3 8ft 8SLSTPSLC-347 60W at 4000K
Light Source: -
Ballast/Driver: -

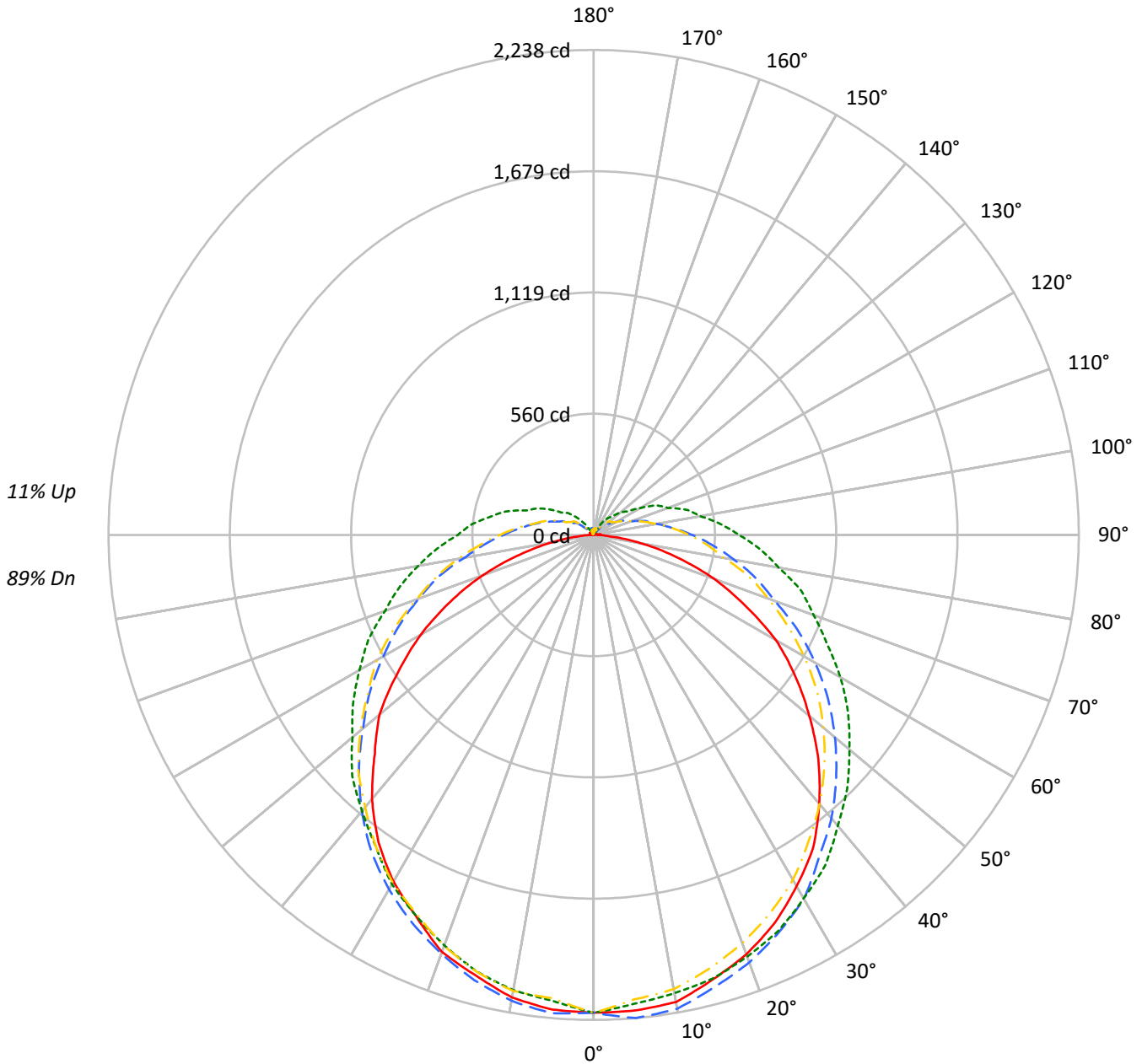
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8325.1 lumens
Efficiency: N/A
Efficacy: 133.6 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): 62.3
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

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CATALOG NUMBER: 8SLSTPSLC-347-MID-40000K

Luminous Intensity Polar Plot





TEST NUMBER: P600875

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	13763	13763	13763	13763
5°	13770	12508	13743	12433
10°	13806	11566	13673	11489
15°	13627	10796	13501	10621
20°	13548	10078	13469	9806
25°	13440	9458	13200	9098
30°	13288	8843	13109	8496
35°	13200	8337	12946	7847
40°	12903	7752	12671	7355
45°	12602	7290	12273	6941
50°	12217	6812	12136	6426
55°	11891	6412	11526	6062
60°	11581	5996	10983	5685
65°	10744	5563	10177	5377
70°	10000	5243	9245	4974
75°	8608	5035	7709	4712
80°	6935	4652	5997	4416
85°	3972	4439	3475	4159



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.6	2.5
10°-20°	598.6	7.2
20°-30°	912.2	11.0
30°-40°	1115.9	13.4
40°-50°	1188.7	14.3
50°-60°	1134.4	13.6
60°-70°	976.2	11.7
70°-80°	751.8	9.0
80°-90°	524.9	6.3
90°-100°	357.3	4.3
100°-110°	237.8	2.9
110°-120°	149.2	1.8
120°-130°	88.5	1.1
130°-140°	45.9	0.6
140°-150°	18.1	0.2
150°-160°	9.9	0.1
160°-170°	5.9	0.1
170°-180°	1.5	0.0
0°-30°	1719.4	20.7
0°-40°	2835.3	34.1
0°-60°	5158.3	62.0
0°-90°	7411.1	89.0
90°-120°	744.3	8.9
90°-150°	896.8	10.8
90°-180°	914.0	11.0
0°-180°	8325.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2205	2205	2205	2205	2205	
5°	2203	2171	2198	2158	2203	210
15°	2124	2120	2104	2085	2124	601
25°	1976	2016	1941	1939	1976	910
35°	1765	1862	1731	1753	1765	1100
45°	1466	1654	1428	1575	1466	1130
55°	1135	1433	1100	1355	1135	1016
65°	770	1187	729	1147	770	767
75°	393	990	352	927	393	421
85°	73	772	64	724	73	96
90°	18	671	7	626	18	19
95°	32	586	0	564	32	11
105°	4	447	9	419	4	5
115°	8	322	16	289	8	9
125°	10	189	9	180	10	9
135°	14	121	8	119	14	10
145°	12	78	12	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: P600875

CATALOG NUMBER: 8SLSTPSLC-347-MID-4000K

CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	2204.8	2204.8	2204.8	2204.8	2204.8	2204.8	2204.8	2204.8	2204.8	2204.8	2204.8
5°	2202.8	2221.9	2166.5	2238.1	2230.9	2206.1	2171.3	2180.8	2187.0	2151.7	2196.6
10°	2188.5	2185.1	2138.8	2220.0	2202.3	2180.8	2147.4	2165.5	2156.9	2128.3	2176.0
15°	2124.0	2151.2	2113.0	2159.3	2161.2	2155.0	2119.7	2117.3	2109.7	2070.1	2126.9
20°	2059.6	2075.3	2049.5	2099.2	2111.6	2112.5	2071.0	2064.3	2048.6	2004.7	2039.5
25°	1976.0	1990.8	1968.8	2022.8	2026.1	2031.9	2015.6	1973.6	1974.1	1925.9	1948.3
30°	1872.4	1888.2	1868.1	1940.2	1947.4	1945.9	1937.3	1910.6	1896.3	1838.0	1861.9
35°	1765.0	1767.4	1782.2	1813.2	1845.2	1864.3	1862.4	1824.7	1801.8	1727.8	1722.5
40°	1619.4	1628.0	1656.6	1706.7	1729.7	1748.8	1752.1	1729.7	1686.7	1621.3	1600.8
45°	1466.1	1476.2	1533.0	1582.6	1620.3	1659.0	1654.2	1623.2	1585.0	1505.3	1465.2
50°	1298.6	1319.1	1387.8	1452.8	1506.7	1529.6	1540.1	1514.3	1462.8	1383.1	1302.9
55°	1134.8	1153.4	1248.4	1320.0	1375.4	1425.6	1433.2	1395.0	1335.8	1257.5	1151.0
60°	971.1	987.8	1075.1	1179.7	1248.0	1310.0	1314.8	1291.4	1197.3	1120.5	1011.6
65°	769.6	835.5	926.2	1037.9	1116.7	1207.4	1186.8	1166.3	1091.4	984.4	852.7
70°	588.6	652.6	768.6	886.6	1010.2	1078.5	1079.0	1061.8	981.1	856.0	722.8
75°	392.9	496.0	634.0	775.8	894.2	965.3	990.2	951.0	848.8	740.5	577.2
80°	222.5	312.2	496.5	657.9	773.4	841.7	865.5	846.0	735.7	607.7	466.9
85°	72.6	215.3	382.9	550.9	675.5	759.1	772.5	727.1	653.6	525.2	345.6
90°	17.7	123.6	289.3	455.0	572.4	648.3	670.8	646.4	562.9	439.2	265.4
95°	32.0	87.8	227.7	363.3	493.6	555.2	585.8	570.5	482.2	362.8	218.7
100°	2.4	36.3	167.6	295.5	413.9	479.8	498.4	494.6	414.9	292.2	158.5
105°	3.8	51.6	116.5	248.3	339.4	423.5	446.9	413.9	339.0	235.4	104.6
110°	7.6	26.7	77.8	182.4	290.3	350.9	364.3	349.5	286.0	188.6	88.8
115°	8.1	22.0	78.3	157.5	223.0	286.4	322.3	271.2	214.8	152.8	80.7
120°	13.8	23.4	60.6	121.7	194.3	206.2	248.7	230.1	175.7	118.4	66.4
125°	10.5	20.1	57.3	95.0	137.0	180.9	189.1	182.8	150.4	100.7	48.2
130°	7.2	23.9	38.2	71.1	126.5	160.9	161.8	150.9	119.8	99.3	25.8
135°	13.8	21.0	29.1	56.8	104.6	119.8	120.8	122.2	100.3	73.0	20.5
140°	15.8	19.6	20.5	28.2	67.8	93.6	99.8	85.5	87.4	43.0	22.9
145°	11.9	22.9	33.9	18.6	35.3	73.0	78.3	82.1	54.4	14.3	30.6
150°	0.0	20.5	38.2	23.4	21.5	16.2	23.9	21.5	12.4	26.7	41.1
155°	8.1	7.2	32.5	23.4	25.8	11.5	5.7	19.1	17.7	28.2	32.0
160°	8.6	9.1	12.4	14.8	26.7	27.2	30.1	43.0	27.7	32.5	12.4
165°	9.5	16.7	10.5	13.8	29.6	15.8	22.0	34.4	22.4	12.4	22.9
170°	9.5	18.1	3.8	5.3	14.8	11.0	27.2	17.7	24.3	15.8	11.0
175°	13.4	18.6	13.4	11.9	24.8	20.1	6.7	1.4	14.3	31.0	0.0
180°	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6



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CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	2204.8	2204.8	2204.8	2204.8	2204.8	2204.8	2204.8	2204.8	2204.8	2204.8	2204.8
5°	2175.6	2198.5	2217.6	2182.7	2215.7	2219.5	2216.6	2158.4	2185.6	2181.3	2146.9
10°	2164.1	2167.4	2178.0	2140.2	2183.2	2188.0	2194.2	2133.1	2155.0	2162.2	2136.9
15°	2096.3	2104.4	2135.5	2087.7	2126.9	2137.8	2137.8	2085.3	2113.0	2098.7	2086.8
20°	2052.4	2047.6	2061.0	2026.1	2055.7	2060.0	2085.8	2015.2	2061.0	2056.7	2018.0
25°	1953.1	1940.7	1953.1	1953.1	1977.9	1993.7	2013.7	1938.8	1990.3	1976.5	1931.1
30°	1862.4	1847.1	1851.4	1858.1	1888.6	1897.2	1935.9	1861.4	1906.8	1890.6	1853.3
35°	1741.1	1731.1	1727.8	1755.9	1787.4	1793.2	1833.7	1753.1	1810.3	1779.8	1753.1
40°	1590.3	1590.3	1596.9	1638.5	1663.3	1696.7	1740.2	1662.3	1711.5	1680.0	1639.4
45°	1457.1	1427.9	1424.6	1492.9	1531.5	1573.1	1616.5	1575.0	1605.5	1560.2	1535.4
50°	1288.5	1290.0	1264.2	1329.1	1388.8	1450.4	1493.3	1452.8	1487.6	1456.1	1403.6
55°	1120.0	1100.0	1093.3	1186.4	1259.4	1341.1	1369.7	1354.9	1371.6	1352.5	1270.4
60°	943.4	920.9	938.1	1038.8	1119.5	1216.9	1258.0	1246.5	1231.7	1204.5	1153.9
65°	773.4	729.0	769.6	884.6	990.2	1086.1	1131.5	1147.2	1128.6	1089.5	1011.6
70°	583.4	544.2	599.6	722.3	856.0	954.3	1007.8	1023.6	1012.6	960.6	867.9
75°	415.8	351.9	437.3	590.1	739.0	834.0	901.4	926.7	899.9	859.3	751.4
80°	283.6	192.4	292.7	460.2	603.9	730.0	792.0	821.6	797.8	729.5	633.5
85°	181.9	63.5	181.4	341.8	505.1	632.1	693.2	723.8	701.3	642.1	523.2
90°	98.3	7.2	116.5	266.9	415.3	527.5	613.0	626.4	608.2	534.7	431.6
95°	67.8	0.5	67.3	187.1	342.3	456.9	524.7	563.8	538.0	462.1	355.7
100°	42.0	17.2	42.0	148.5	283.1	386.7	447.3	483.1	454.5	383.8	286.4
105°	37.2	9.1	39.1	120.8	230.1	313.2	380.5	419.2	389.1	330.8	241.1
110°	27.7	4.3	20.1	89.8	180.0	277.9	314.6	328.9	326.5	269.7	193.8
115°	22.4	15.8	0.0	79.3	147.5	221.0	253.5	289.3	274.0	215.8	138.4
120°	17.2	20.1	18.6	44.4	107.9	180.0	207.7	235.8	207.7	184.8	118.4
125°	26.3	8.6	31.0	13.8	98.8	155.2	180.0	179.5	180.9	149.4	110.8
130°	15.8	2.4	32.9	7.6	43.9	113.1	142.7	158.5	149.0	121.3	65.4
135°	20.1	8.1	19.6	23.4	19.1	71.1	126.0	118.9	126.5	89.8	12.4
140°	8.1	6.7	21.5	19.6	14.3	11.0	34.9	76.4	46.3	1.4	9.1
145°	29.1	11.5	26.7	35.8	18.6	24.8	20.1	9.5	23.4	0.5	2.9
150°	22.4	0.0	18.1	37.7	21.5	10.5	4.3	3.8	0.0	8.6	18.1
155°	20.5	3.8	33.9	35.3	22.4	41.5	25.8	16.2	26.3	30.1	23.4
160°	22.4	11.0	17.7	31.0	32.9	29.1	35.8	31.5	24.8	29.1	23.9
165°	28.6	12.9	9.1	28.2	26.7	26.7	22.9	28.2	20.5	26.7	9.5
170°	15.8	15.8	27.2	15.8	31.5	24.8	31.0	17.7	17.2	14.8	17.7
175°	11.5	7.2	17.2	12.9	18.6	15.3	22.0	18.1	19.6	13.8	28.2
180°	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6



TEST NUMBER: P600875

CATALOG NUMBER: 8SLSTPSLC-347-MID-40000K

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	2204.8	2204.8	2204.8
5°	2205.2	2185.1	2202.8
10°	2165.5	2165.5	2188.5
15°	2114.0	2132.1	2124.0
20°	2055.7	2061.9	2059.6
25°	1979.3	1979.3	1976.0
30°	1878.6	1883.4	1872.4
35°	1775.5	1770.7	1765.0
40°	1633.2	1636.6	1619.4
45°	1503.4	1505.8	1466.1
50°	1356.3	1343.4	1298.6
55°	1201.6	1178.7	1134.8
60°	1054.1	990.6	971.1
65°	908.0	823.1	769.6
70°	752.4	661.2	588.6
75°	603.4	470.3	392.9
80°	477.4	329.9	222.5
85°	374.3	194.8	72.6
90°	288.8	125.1	17.7
95°	214.4	63.0	32.0
100°	159.0	40.6	2.4
105°	116.0	37.2	3.8
110°	85.5	22.9	7.6
115°	83.1	26.3	8.1
120°	53.0	22.0	13.8
125°	16.7	32.0	10.5
130°	4.8	8.1	7.2
135°	26.3	18.6	13.8
140°	26.7	17.2	15.8
145°	24.3	28.6	11.9
150°	16.7	24.8	0.0
155°	26.7	17.7	8.1
160°	13.8	12.4	8.6
165°	22.4	18.1	9.5
170°	22.9	10.5	9.5
175°	6.7	9.1	13.4
180°	13.6	13.6	13.6



Report Generated By 670246072 / DESKTOP-MV3F9LC





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











(END OF REPORT)