

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: P600874

Luminaire Tested: **8SLSTPSLC-347-MID-3500K**

Issue Date: 7/7/2022



Test Information

Test Method: LM-79-08
Report Number: P600874
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-3500K
Description: G3 8ft 8SLSTPSLC-347 60W at 3500K
Light Source: -
Ballast/Driver: -

Summary

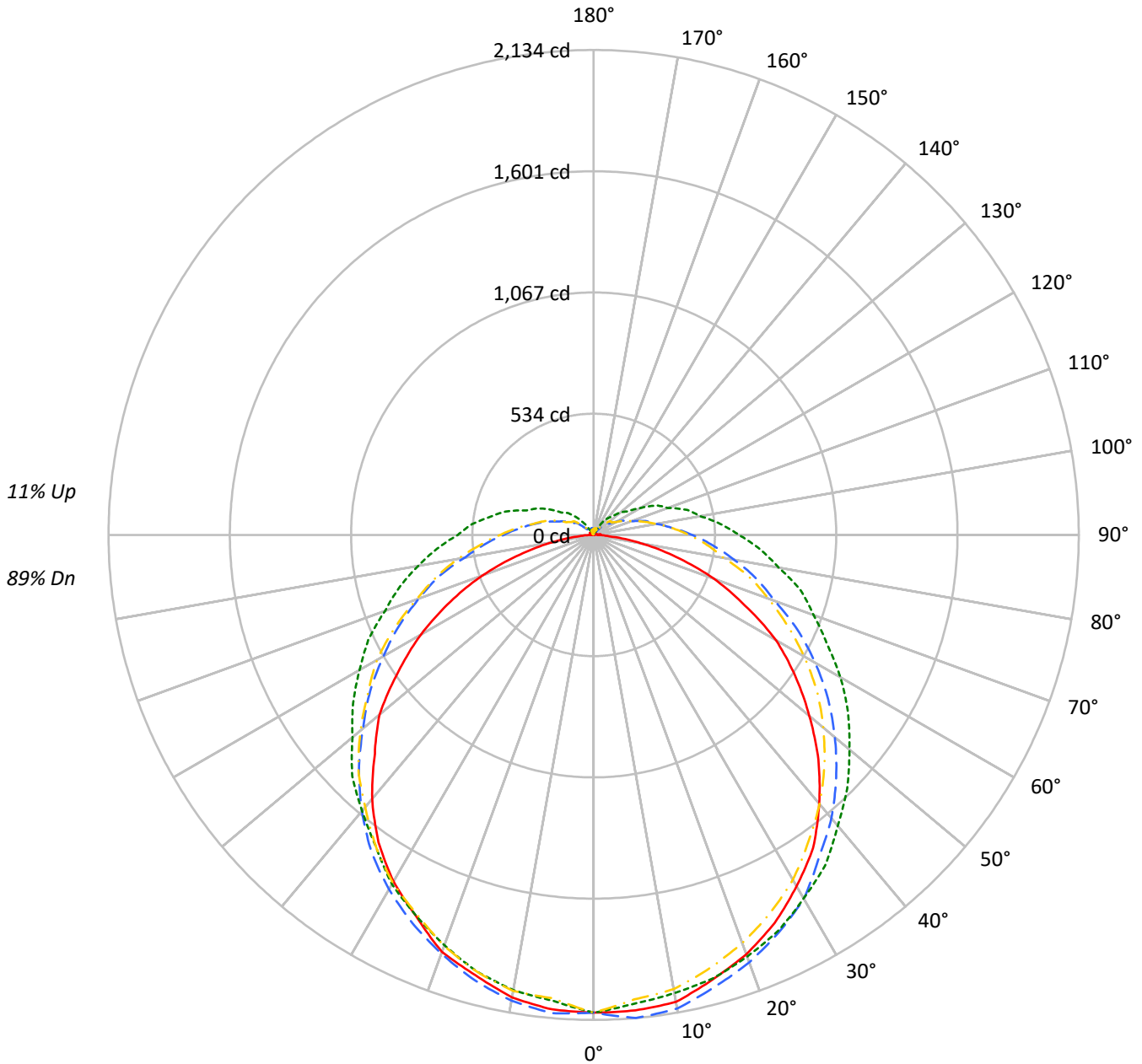
Lumens per Lamp: N/A
Luminaire Lumens: 7937.4 lumens
Efficiency: N/A
Efficacy: 124.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.28 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.22' x L: 8' x H: 0.22')
CIE Type: Semi-Direct

Input Watts (W): 64
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: P600874

CATALOG NUMBER: 8SLSTPSLC-347-MID-3500K

Luminous Intensity Polar Plot





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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°	13121	13121	13121	13121
5°	13129	11925	13103	11854
10°	13162	11027	13036	10953
15°	12993	10294	12873	10127
20°	12917	9609	12842	9349
25°	12814	9018	12585	8674
30°	12670	8431	12499	8101
35°	12585	7948	12344	7482
40°	12302	7391	12081	7012
45°	12015	6951	11702	6618
50°	11648	6495	11571	6127
55°	11338	6113	10989	5779
60°	11041	5717	10471	5420
65°	10243	5304	9704	5127
70°	9534	4999	8816	4742
75°	8207	4800	7350	4492
80°	6611	4435	5716	4210
85°	3786	4232	3310	3965



TEST NUMBER: P600874

CATALOG NUMBER: 8SLSTPSLC-347-MID-3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.9	2.5
10°-20°	570.7	7.2
20°-30°	869.8	11.0
30°-40°	1063.9	13.4
40°-50°	1133.3	14.3
50°-60°	1081.5	13.6
60°-70°	930.7	11.7
70°-80°	716.8	9.0
80°-90°	500.4	6.3
90°-100°	340.7	4.3
100°-110°	226.7	2.9
110°-120°	142.2	1.8
120°-130°	84.4	1.1
130°-140°	43.8	0.6
140°-150°	17.2	0.2
150°-160°	9.4	0.1
160°-170°	5.6	0.1
170°-180°	1.4	0.0
0°-30°	1639.3	20.7
0°-40°	2703.2	34.1
0°-60°	4918.1	62.0
0°-90°	7066.0	89.0
90°-120°	709.6	8.9
90°-150°	855.0	10.8
90°-180°	871.0	11.0
0°-180°	7937.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2102	2102	2102	2102	2102	
5°	2100	2070	2096	2058	2100	200
15°	2025	2021	2006	1988	2025	573
25°	1884	1922	1850	1848	1884	868
35°	1683	1776	1650	1671	1683	1049
45°	1398	1577	1361	1502	1398	1077
55°	1082	1366	1049	1292	1082	969
65°	734	1132	695	1094	734	731
75°	375	944	336	884	375	402
85°	69	736	60	690	69	92
90°	17	640	7	597	17	18
95°	30	558	0	538	30	11
105°	4	426	9	400	4	4
115°	8	307	15	276	8	9
125°	10	180	8	171	10	9
135°	13	115	8	113	13	9
145°	11	75	11	9	11	6
155°	8	6	4	16	8	3
165°	9	21	12	27	9	3
175°	13	6	7	17	13	1
180°	13	13	13	13	13	



TEST NUMBER: P600874

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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	2102.1	2102.1	2102.1	2102.1	2102.1	2102.1	2102.1	2102.1	2102.1	2102.1	2102.1
5°	2100.2	2118.4	2065.6	2133.9	2127.0	2103.4	2070.1	2079.3	2085.2	2051.5	2094.3
10°	2086.5	2083.3	2039.2	2116.6	2099.7	2079.3	2047.4	2064.7	2056.5	2029.2	2074.7
15°	2025.1	2051.0	2014.6	2058.8	2060.6	2054.7	2021.0	2018.7	2011.4	1973.7	2027.8
20°	1963.6	1978.7	1954.1	2001.4	2013.3	2014.2	1974.6	1968.2	1953.2	1911.3	1944.5
25°	1884.0	1898.1	1877.2	1928.6	1931.8	1937.2	1921.8	1881.7	1882.2	1836.2	1857.6
30°	1785.2	1800.2	1781.1	1849.8	1856.7	1855.3	1847.1	1821.6	1808.0	1752.4	1775.2
35°	1682.8	1685.1	1699.2	1728.8	1759.3	1777.5	1775.6	1739.7	1717.8	1647.3	1642.3
40°	1544.0	1552.2	1579.5	1627.3	1649.1	1667.3	1670.5	1649.1	1608.1	1545.8	1526.2
45°	1397.9	1407.4	1461.6	1508.9	1544.9	1581.7	1577.2	1547.6	1511.2	1435.2	1396.9
50°	1238.1	1257.7	1323.2	1385.1	1436.5	1458.4	1468.4	1443.8	1394.7	1318.7	1242.2
55°	1082.0	1099.7	1190.3	1258.6	1311.4	1359.2	1366.4	1330.0	1273.6	1198.9	1097.4
60°	925.8	941.8	1025.1	1124.7	1189.8	1249.0	1253.6	1231.3	1141.6	1068.3	964.5
65°	733.7	796.6	883.0	989.6	1064.7	1151.1	1131.6	1112.0	1040.5	938.6	812.9
70°	561.2	622.2	732.8	845.3	963.2	1028.2	1028.7	1012.3	935.4	816.1	689.1
75°	374.6	472.9	604.5	739.7	852.5	920.4	944.0	906.7	809.3	706.0	550.3
80°	212.1	297.7	473.4	627.2	737.4	802.5	825.2	806.6	701.4	579.4	445.2
85°	69.2	205.3	365.1	525.3	644.1	723.7	736.5	693.2	623.1	500.7	329.5
90°	16.8	117.9	275.8	433.8	545.8	618.1	639.5	616.3	536.7	418.8	253.1
95°	30.5	83.8	217.1	346.4	470.7	529.4	558.5	543.9	459.7	345.9	208.5
100°	2.3	34.6	159.8	281.8	394.6	457.5	475.2	471.6	395.5	278.6	151.1
105°	3.6	49.2	111.1	236.7	323.6	403.7	426.0	394.6	323.2	224.4	99.7
110°	7.3	25.5	74.2	173.9	276.7	334.6	347.3	333.2	272.7	179.8	84.7
115°	7.7	20.9	74.6	150.2	212.6	273.1	307.2	258.5	204.8	145.7	76.9
120°	13.2	22.3	57.8	116.1	185.3	196.6	237.1	219.4	167.5	112.9	63.3
125°	10.0	19.1	54.6	90.6	130.6	172.5	180.3	174.3	143.4	96.0	46.0
130°	6.8	22.8	36.4	67.8	120.6	153.4	154.3	143.8	114.2	94.7	24.6
135°	13.2	20.0	27.8	54.2	99.7	114.2	115.2	116.5	95.6	69.6	19.6
140°	15.0	18.7	19.6	26.9	64.6	89.2	95.1	81.5	83.3	41.0	21.8
145°	11.4	21.8	32.3	17.8	33.7	69.6	74.6	78.3	51.9	13.7	29.1
150°	0.0	19.6	36.4	22.3	20.5	15.5	22.8	20.5	11.8	25.5	39.1
155°	7.7	6.8	31.0	22.3	24.6	10.9	5.5	18.2	16.8	26.9	30.5
160°	8.2	8.6	11.8	14.1	25.5	25.9	28.7	41.0	26.4	31.0	11.8
165°	9.1	15.9	10.0	13.2	28.2	15.0	20.9	32.8	21.4	11.8	21.8
170°	9.1	17.3	3.6	5.0	14.1	10.5	25.9	16.8	23.2	15.0	10.5
175°	12.7	17.8	12.7	11.4	23.7	19.1	6.4	1.4	13.7	29.6	0.0
180°	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0



TEST NUMBER: P600874

CATALOG NUMBER: 8SLSTPSLC-347-MID-3500K

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	2102.1	2102.1	2102.1	2102.1	2102.1	2102.1	2102.1	2102.1	2102.1	2102.1	2102.1
5°	2074.2	2096.1	2114.3	2081.1	2112.5	2116.1	2113.4	2057.9	2083.8	2079.7	2046.9
10°	2063.3	2066.5	2076.5	2040.6	2081.5	2086.1	2092.0	2033.7	2054.7	2061.5	2037.4
15°	1998.7	2006.4	2036.0	1990.5	2027.8	2038.3	2038.3	1988.2	2014.6	2001.0	1989.6
20°	1956.8	1952.3	1965.0	1931.8	1960.0	1964.1	1988.7	1921.3	1965.0	1960.9	1924.0
25°	1862.1	1850.3	1862.1	1862.1	1885.8	1900.8	1919.9	1848.5	1897.6	1884.4	1841.2
30°	1775.6	1761.1	1765.2	1771.6	1800.7	1808.9	1845.7	1774.7	1818.0	1802.5	1767.0
35°	1660.0	1650.5	1647.3	1674.1	1704.2	1709.6	1748.3	1671.4	1726.0	1696.9	1671.4
40°	1516.2	1516.2	1522.6	1562.2	1585.8	1617.7	1659.1	1584.9	1631.8	1601.8	1563.1
45°	1389.2	1361.4	1358.3	1423.3	1460.2	1499.8	1541.2	1501.6	1530.8	1487.5	1463.9
50°	1228.5	1229.9	1205.3	1267.2	1324.1	1382.8	1423.8	1385.1	1418.3	1388.3	1338.2
55°	1067.8	1048.7	1042.4	1131.1	1200.8	1278.6	1305.9	1291.8	1307.7	1289.5	1211.2
60°	899.4	878.0	894.4	990.5	1067.4	1160.2	1199.4	1188.5	1174.4	1148.4	1100.2
65°	737.4	695.1	733.7	843.4	944.0	1035.5	1078.8	1093.8	1076.0	1038.7	964.5
70°	556.2	518.9	571.7	688.7	816.1	909.9	960.9	975.9	965.4	915.8	827.5
75°	396.5	335.5	416.9	562.6	704.6	795.2	859.4	883.5	858.0	819.3	716.5
80°	270.4	183.4	279.0	438.8	575.8	696.0	755.1	783.4	760.6	695.5	604.0
85°	173.4	60.5	173.0	325.9	481.6	602.7	660.9	690.0	668.7	612.2	498.9
90°	93.8	6.8	111.1	254.4	396.0	503.0	584.4	597.2	579.9	509.8	411.5
95°	64.6	0.5	64.2	178.4	326.4	435.6	500.2	537.6	513.0	440.6	339.1
100°	40.1	16.4	40.1	141.6	269.9	368.7	426.5	460.6	433.3	366.0	273.1
105°	35.5	8.6	37.3	115.2	219.4	298.6	362.8	399.6	371.0	315.4	229.9
110°	26.4	4.1	19.1	85.6	171.6	264.9	300.0	313.6	311.3	257.2	184.8
115°	21.4	15.0	0.0	75.6	140.7	210.7	241.7	275.8	261.3	205.7	132.0
120°	16.4	19.1	17.8	42.3	102.9	171.6	198.0	224.9	198.0	176.2	112.9
125°	25.0	8.2	29.6	13.2	94.2	147.9	171.6	171.1	172.5	142.5	105.6
130°	15.0	2.3	31.4	7.3	41.9	107.9	136.1	151.1	142.0	115.6	62.4
135°	19.1	7.7	18.7	22.3	18.2	67.8	120.2	113.3	120.6	85.6	11.8
140°	7.7	6.4	20.5	18.7	13.7	10.5	33.2	72.8	44.2	1.4	8.6
145°	27.8	10.9	25.5	34.1	17.8	23.7	19.1	9.1	22.3	0.5	2.7
150°	21.4	0.0	17.3	36.0	20.5	10.0	4.1	3.6	0.0	8.2	17.3
155°	19.6	3.6	32.3	33.7	21.4	39.6	24.6	15.5	25.0	28.7	22.3
160°	21.4	10.5	16.8	29.6	31.4	27.8	34.1	30.0	23.7	27.8	22.8
165°	27.3	12.3	8.6	26.9	25.5	25.5	21.8	26.9	19.6	25.5	9.1
170°	15.0	15.0	25.9	15.0	30.0	23.7	29.6	16.8	16.4	14.1	16.8
175°	10.9	6.8	16.4	12.3	17.8	14.6	20.9	17.3	18.7	13.2	26.9
180°	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0



TEST NUMBER: P600874

CATALOG NUMBER: 8SLSTPSLC-347-MID-3500K

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	2102.1	2102.1	2102.1
5°	2102.5	2083.3	2100.2
10°	2064.7	2064.7	2086.5
15°	2015.5	2032.8	2025.1
20°	1960.0	1965.9	1963.6
25°	1887.2	1887.2	1884.0
30°	1791.1	1795.7	1785.2
35°	1692.8	1688.3	1682.8
40°	1557.2	1560.3	1544.0
45°	1433.4	1435.6	1397.9
50°	1293.2	1280.9	1238.1
55°	1145.7	1123.8	1082.0
60°	1005.0	944.5	925.8
65°	865.7	784.7	733.7
70°	717.4	630.4	561.2
75°	575.3	448.4	374.6
80°	455.2	314.5	212.1
85°	356.9	185.7	69.2
90°	275.4	119.3	16.8
95°	204.4	60.1	30.5
100°	151.6	38.7	2.3
105°	110.6	35.5	3.6
110°	81.5	21.8	7.3
115°	79.2	25.0	7.7
120°	50.5	20.9	13.2
125°	15.9	30.5	10.0
130°	4.6	7.7	6.8
135°	25.0	17.8	13.2
140°	25.5	16.4	15.0
145°	23.2	27.3	11.4
150°	15.9	23.7	0.0
155°	25.5	16.8	7.7
160°	13.2	11.8	8.2
165°	21.4	17.3	9.1
170°	21.8	10.0	9.1
175°	6.4	8.6	12.7
180°	13.0	13.0	13.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





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











(END OF REPORT)