

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: P600868

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

Issue Date: 7/7/2022



Test Information

Test Method: LM-79-08
Report Number: P600868
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-HI-3500K
Description: G3 8ft 8SLSTPSLC-347 85W at 3500K
Light Source: -
Ballast/Driver: -

Summary

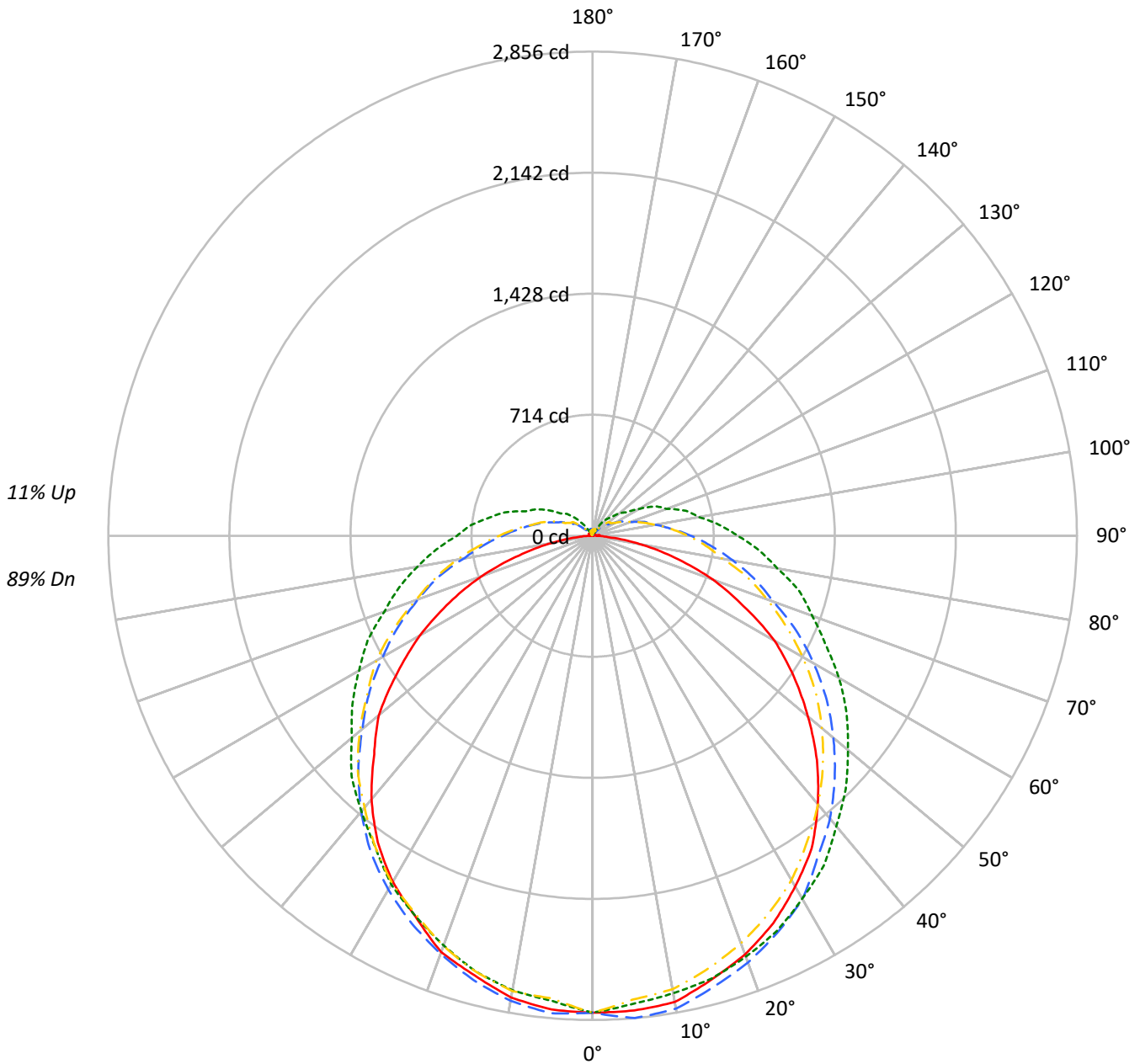
Lumens per Lamp: N/A
Luminaire Lumens: 10622.4 lumens
Efficiency: N/A
Efficacy: 122.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.28 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.22' x L: 8' x H: 0.22')
CIE Type: Semi-Direct

Input Watts (W): 86.7
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	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°	17560	17560	17560	17560
5°	17569	15959	17535	15864
10°	17615	14757	17446	14659
15°	17388	13776	17227	13552
20°	17286	12859	17186	12512
25°	17149	12068	16842	11608
30°	16955	11283	16726	10841
35°	16842	10637	16519	10013
40°	16463	9891	16167	9385
45°	16079	9302	15661	8857
50°	15588	8692	15485	8199
55°	15172	8181	14706	7734
60°	14776	7651	14013	7254
65°	13708	7098	12986	6861
70°	12761	6690	11797	6346
75°	10982	6424	9834	6012
80°	8849	5935	7652	5634
85°	5067	5663	4432	5306



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	266.1	2.5
10°-20°	763.7	7.2
20°-30°	1164.0	11.0
30°-40°	1423.8	13.4
40°-50°	1516.7	14.3
50°-60°	1447.4	13.6
60°-70°	1245.6	11.7
70°-80°	959.3	9.0
80°-90°	669.7	6.3
90°-100°	455.9	4.3
100°-110°	303.4	2.9
110°-120°	190.4	1.8
120°-130°	112.9	1.1
130°-140°	58.6	0.6
140°-150°	23.0	0.2
150°-160°	12.6	0.1
160°-170°	7.5	0.1
170°-180°	1.9	0.0
0°-30°	2193.9	20.7
0°-40°	3617.6	34.1
0°-60°	6581.7	62.0
0°-90°	9456.1	89.0
90°-120°	949.6	8.9
90°-150°	1144.2	10.8
90°-180°	1166.0	11.0
0°-180°	10622.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2813	2813	2813	2813	2813	
5°	2811	2770	2805	2754	2811	268
15°	2710	2705	2685	2661	2710	766
25°	2521	2572	2476	2474	2521	1161
35°	2252	2376	2209	2237	2252	1404
45°	1871	2111	1822	2010	1871	1442
55°	1448	1829	1404	1729	1448	1296
65°	982	1514	930	1464	982	979
75°	501	1263	449	1182	501	537
85°	93	986	81	924	93	123
90°	22	856	9	799	22	24
95°	41	747	1	719	41	14
105°	5	570	12	535	5	6
115°	10	411	20	369	10	12
125°	13	241	11	229	13	12
135°	18	154	10	152	18	12
145°	15	100	15	12	15	8
155°	10	7	5	21	10	4
165°	12	28	16	36	12	3
175°	17	8	9	23	17	1
180°	17	17	17	17	17	



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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	2813.2	2813.2	2813.2	2813.2	2813.2	2813.2	2813.2	2813.2	2813.2	2813.2	2813.2
5°	2810.6	2835.0	2764.3	2855.7	2846.5	2814.9	2770.4	2782.6	2790.5	2745.4	2802.7
10°	2792.3	2788.1	2729.0	2832.5	2810.0	2782.6	2739.9	2763.1	2752.1	2715.6	2776.5
15°	2710.1	2744.8	2696.1	2755.2	2757.6	2749.7	2704.6	2701.6	2691.8	2641.3	2713.8
20°	2627.9	2648.0	2615.1	2678.4	2694.3	2695.5	2642.5	2634.0	2613.9	2557.8	2602.3
25°	2521.3	2540.1	2512.1	2581.0	2585.2	2592.5	2571.8	2518.2	2518.8	2457.3	2485.9
30°	2389.1	2409.2	2383.6	2475.6	2484.7	2482.9	2471.9	2437.8	2419.5	2345.2	2375.7
35°	2252.0	2255.1	2274.0	2313.5	2354.4	2378.7	2376.3	2328.2	2298.9	2204.5	2197.8
40°	2066.2	2077.2	2113.7	2177.7	2206.9	2231.3	2235.6	2206.9	2152.1	2068.7	2042.5
45°	1870.7	1883.5	1956.0	2019.3	2067.4	2116.8	2110.7	2071.1	2022.4	1920.6	1869.5
50°	1656.9	1683.1	1770.8	1853.6	1922.5	1951.7	1965.1	1932.2	1866.4	1764.7	1662.4
55°	1447.9	1471.7	1592.9	1684.3	1755.0	1818.9	1828.7	1779.9	1704.4	1604.5	1468.7
60°	1239.0	1260.3	1371.8	1505.2	1592.3	1671.5	1677.6	1647.7	1527.7	1429.7	1290.8
65°	981.9	1066.0	1181.7	1324.3	1424.8	1540.5	1514.3	1488.1	1392.5	1256.1	1087.9
70°	751.1	832.7	980.7	1131.2	1289.0	1376.1	1376.7	1354.7	1251.8	1092.2	922.2
75°	501.3	632.9	808.9	989.9	1140.9	1231.7	1263.4	1213.4	1083.1	944.8	736.5
80°	283.9	398.4	633.5	839.4	986.8	1073.9	1104.4	1079.4	938.7	775.4	595.7
85°	92.6	274.7	488.5	703.0	861.9	968.5	985.6	927.7	833.9	670.1	441.0
90°	22.5	157.8	369.1	580.5	730.4	827.2	855.9	824.8	718.2	560.4	338.7
95°	40.8	112.1	290.6	463.6	629.9	708.4	747.4	727.9	615.2	463.0	279.0
100°	3.0	46.3	213.8	377.1	528.1	612.2	635.9	631.1	529.3	372.8	202.2
105°	4.9	65.8	148.6	316.8	433.1	540.3	570.2	528.1	432.5	300.3	133.4
110°	9.7	34.1	99.3	232.7	370.4	447.7	464.8	445.9	364.9	240.6	113.3
115°	10.4	28.0	99.9	201.0	284.5	365.5	411.2	346.0	274.1	194.9	102.9
120°	17.7	29.8	77.4	155.3	247.9	263.2	317.4	293.6	224.2	151.1	84.7
125°	13.4	25.6	73.1	121.2	174.8	230.9	241.2	233.3	191.9	128.5	61.5
130°	9.1	30.5	48.7	90.8	161.4	205.3	206.5	192.5	152.9	126.7	32.9
135°	17.7	26.8	37.2	72.5	133.4	152.9	154.1	155.9	127.9	93.2	26.2
140°	20.1	25.0	26.2	35.9	86.5	119.4	127.3	109.0	111.5	54.8	29.2
145°	15.2	29.2	43.2	23.8	45.1	93.2	99.9	104.8	69.4	18.3	39.0
150°	0.0	26.2	48.7	29.8	27.4	20.7	30.5	27.4	15.8	34.1	52.4
155°	10.4	9.1	41.4	29.8	32.9	14.6	7.3	24.4	22.5	35.9	40.8
160°	11.0	11.6	15.8	18.9	34.1	34.7	38.4	54.8	35.3	41.4	15.8
165°	12.2	21.3	13.4	17.7	37.8	20.1	28.0	43.9	28.6	15.8	29.2
170°	12.2	23.1	4.9	6.7	18.9	14.0	34.7	22.5	31.1	20.1	14.0
175°	17.1	23.8	17.1	15.2	31.7	25.6	8.5	1.8	18.3	39.6	0.0
180°	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4



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CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	2813.2	2813.2	2813.2	2813.2	2813.2	2813.2	2813.2	2813.2	2813.2	2813.2	2813.2
5°	2775.9	2805.1	2829.5	2785.0	2827.1	2831.9	2828.3	2754.0	2788.7	2783.2	2739.3
10°	2761.3	2765.5	2778.9	2730.8	2785.6	2791.7	2799.6	2721.7	2749.7	2758.8	2726.5
15°	2674.8	2685.1	2724.7	2663.8	2713.8	2727.8	2727.8	2660.8	2696.1	2677.8	2662.6
20°	2618.7	2612.6	2629.7	2585.2	2623.0	2628.5	2661.4	2571.2	2629.7	2624.2	2574.9
25°	2492.0	2476.2	2492.0	2492.0	2523.7	2543.8	2569.4	2473.8	2539.5	2521.9	2464.0
30°	2376.3	2356.8	2362.3	2370.8	2409.8	2420.8	2470.1	2375.1	2432.9	2412.2	2364.7
35°	2221.6	2208.8	2204.5	2240.4	2280.6	2288.0	2339.7	2236.8	2309.9	2270.9	2236.8
40°	2029.1	2029.1	2037.6	2090.6	2122.3	2164.9	2220.3	2121.1	2183.8	2143.6	2091.8
45°	1859.1	1822.0	1817.7	1904.8	1954.1	2007.1	2062.6	2009.6	2048.6	1990.7	1959.0
50°	1644.1	1645.9	1613.0	1695.9	1772.0	1850.6	1905.4	1853.6	1898.1	1857.9	1790.9
55°	1429.1	1403.5	1394.9	1513.7	1606.9	1711.1	1747.6	1728.8	1750.1	1725.7	1620.9
60°	1203.7	1175.0	1197.0	1325.5	1428.5	1552.7	1605.1	1590.5	1571.6	1536.9	1472.3
65°	986.8	930.2	981.9	1128.8	1263.4	1385.8	1443.7	1463.8	1440.0	1390.1	1290.8
70°	744.4	694.4	765.1	921.6	1092.2	1217.7	1285.9	1306.0	1292.0	1225.6	1107.4
75°	530.6	448.9	558.0	752.9	943.0	1064.2	1150.1	1182.4	1148.2	1096.5	958.8
80°	361.8	245.5	373.4	587.2	770.6	931.4	1010.6	1048.3	1017.9	930.8	808.3
85°	232.1	81.0	231.5	436.1	644.5	806.5	884.5	923.5	894.8	819.3	667.6
90°	125.5	9.1	148.6	340.5	530.0	673.1	782.1	799.2	776.1	682.2	550.7
95°	86.5	0.6	85.9	238.8	436.8	583.0	669.5	719.4	686.5	589.7	453.8
100°	53.6	21.9	53.6	189.4	361.2	493.4	570.8	616.5	579.9	489.8	365.5
105°	47.5	11.6	50.0	154.1	293.6	399.6	485.5	534.8	496.5	422.1	307.6
110°	35.3	5.5	25.6	114.5	229.6	354.5	401.4	419.7	416.7	344.2	247.3
115°	28.6	20.1	0.0	101.1	188.2	282.0	323.5	369.1	349.7	275.3	176.7
120°	21.9	25.6	23.8	56.7	137.7	229.6	265.0	300.9	265.0	235.7	151.1
125°	33.5	11.0	39.6	17.7	126.1	198.0	229.6	229.0	230.9	190.7	141.3
130°	20.1	3.0	42.0	9.7	56.0	144.4	182.1	202.2	190.1	154.7	83.5
135°	25.6	10.4	25.0	29.8	24.4	90.8	160.8	151.7	161.4	114.5	15.8
140°	10.4	8.5	27.4	25.0	18.3	14.0	44.5	97.5	59.1	1.8	11.6
145°	37.2	14.6	34.1	45.7	23.8	31.7	25.6	12.2	29.8	0.6	3.7
150°	28.6	0.0	23.1	48.1	27.4	13.4	5.5	4.9	0.0	11.0	23.1
155°	26.2	4.9	43.2	45.1	28.6	53.0	32.9	20.7	33.5	38.4	29.8
160°	28.6	14.0	22.5	39.6	42.0	37.2	45.7	40.2	31.7	37.2	30.5
165°	36.5	16.4	11.6	35.9	34.1	34.1	29.2	35.9	26.2	34.1	12.2
170°	20.1	20.1	34.7	20.1	40.2	31.7	39.6	22.5	21.9	18.9	22.5
175°	14.6	9.1	21.9	16.4	23.8	19.5	28.0	23.1	25.0	17.7	35.9
180°	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4



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CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	2813.2	2813.2	2813.2
5°	2813.7	2788.1	2810.6
10°	2763.1	2763.1	2792.3
15°	2697.3	2720.5	2710.1
20°	2623.0	2630.9	2627.9
25°	2525.5	2525.5	2521.3
30°	2397.0	2403.1	2389.1
35°	2265.4	2259.3	2252.0
40°	2083.9	2088.2	2066.2
45°	1918.2	1921.3	1870.7
50°	1730.6	1714.1	1656.9
55°	1533.2	1504.0	1447.9
60°	1345.0	1264.0	1239.0
65°	1158.6	1050.2	981.9
70°	960.0	843.7	751.1
75°	770.0	600.0	501.3
80°	609.1	420.9	283.9
85°	477.6	248.5	92.6
90°	368.5	159.6	22.5
95°	273.5	80.4	40.8
100°	202.8	51.8	3.0
105°	148.0	47.5	4.9
110°	109.0	29.2	9.7
115°	106.0	33.5	10.4
120°	67.6	28.0	17.7
125°	21.3	40.8	13.4
130°	6.1	10.4	9.1
135°	33.5	23.8	17.7
140°	34.1	21.9	20.1
145°	31.1	36.5	15.2
150°	21.3	31.7	0.0
155°	34.1	22.5	10.4
160°	17.7	15.8	11.0
165°	28.6	23.1	12.2
170°	29.2	13.4	12.2
175°	8.5	11.6	17.1
180°	17.4	17.4	17.4



Report Generated By 670246072 / DESKTOP-MV3F9LC





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











(END OF REPORT)