

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: P600879

Luminaire Tested: **8SLSTPSLC-UNV-HI-5000K**

Issue Date: 7/7/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P600879  
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-HI-5000K  
Description: G3 8ft 8SLSTPSLC-UNV 85W at 5000K  
Light Source: -  
Ballast/Driver: -

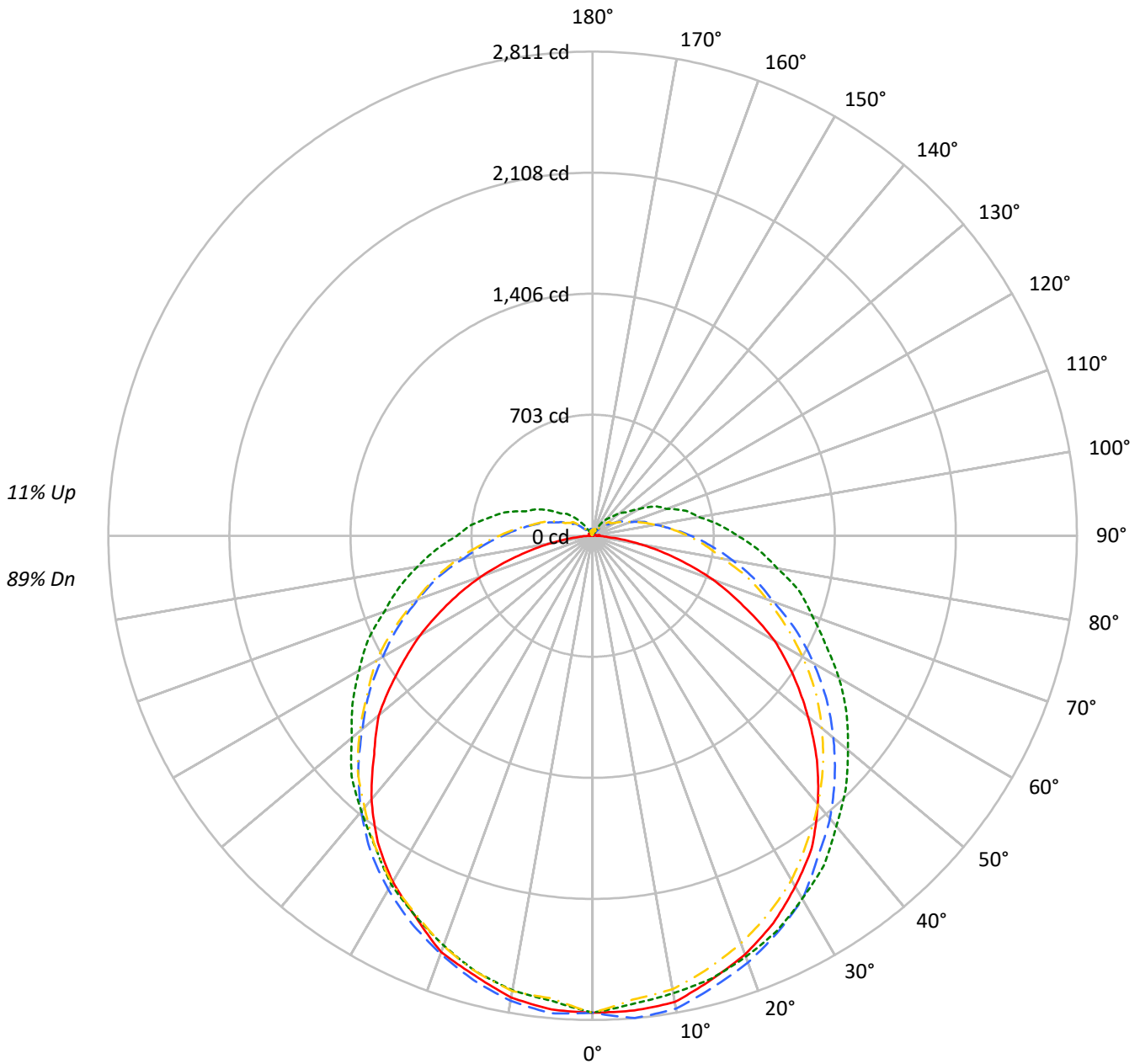
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10455.0 lumens  
Efficiency: N/A  
Efficacy: 118.1 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): 88.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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-UNV-HI-5000K

### Luminous Intensity Polar Plot





TEST NUMBER: P600879

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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°	17284	17284	17284	17284
5°	17293	15708	17259	15614
10°	17337	14524	17171	14428
15°	17114	13559	16956	13339
20°	17014	12656	16915	12315
25°	16878	11878	16577	11425
30°	16688	11105	16463	10670
35°	16576	10469	16259	9855
40°	16204	9735	15912	9237
45°	15826	9155	15414	8717
50°	15342	8555	15241	8070
55°	14933	8052	14475	7612
60°	14544	7531	13792	7139
65°	13493	6987	12781	6753
70°	12558	6584	11612	6246
75°	10809	6322	9681	5917
80°	8709	5842	7531	5545
85°	4985	5574	4361	5222



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	262.0	2.5
10°-20°	751.7	7.2
20°-30°	1145.6	11.0
30°-40°	1401.3	13.4
40°-50°	1492.8	14.3
50°-60°	1424.6	13.6
60°-70°	1225.9	11.7
70°-80°	944.1	9.0
80°-90°	659.1	6.3
90°-100°	448.7	4.3
100°-110°	298.6	2.9
110°-120°	187.4	1.8
120°-130°	111.1	1.1
130°-140°	57.7	0.6
140°-150°	22.7	0.2
150°-160°	12.4	0.1
160°-170°	7.4	0.1
170°-180°	1.9	0.0
0°-30°	2159.3	20.7
0°-40°	3560.6	34.1
0°-60°	6478.0	62.0
0°-90°	9307.2	89.0
90°-120°	934.7	8.9
90°-150°	1126.2	10.8
90°-180°	1148.0	11.0
0°-180°	10455.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2769	2769	2769	2769	2769	
5°	2766	2727	2761	2711	2766	263
15°	2667	2662	2643	2619	2667	754
25°	2482	2531	2437	2435	2482	1143
35°	2216	2339	2174	2202	2216	1382
45°	1841	2077	1793	1978	1841	1419
55°	1425	1800	1381	1702	1425	1276
65°	966	1490	916	1441	966	963
75°	493	1244	442	1164	493	529
85°	91	970	80	909	91	121
90°	22	842	9	787	22	24
95°	40	736	1	708	40	14
105°	5	561	11	526	5	6
115°	10	405	20	363	10	12
125°	13	237	11	225	13	12
135°	17	152	10	149	17	12
145°	15	98	14	12	15	8
155°	10	7	5	20	10	3
165°	12	28	16	35	12	3
175°	17	8	9	23	17	1
180°	17	17	17	17	17	



TEST NUMBER: P600879

CATALOG NUMBER: 8SLSTPSLC-UNV-HI-5000K

**CANDELA DISTRIBUTION (FULL):**

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	2768.9	2768.9	2768.9	2768.9	2768.9	2768.9	2768.9	2768.9	2768.9	2768.9	2768.9
5°	2766.3	2790.3	2720.8	2810.7	2801.7	2770.5	2726.8	2738.7	2746.5	2702.2	2758.5
10°	2748.3	2744.1	2686.0	2787.9	2765.7	2738.7	2696.8	2719.6	2708.8	2672.8	2732.7
15°	2667.4	2701.6	2653.6	2711.8	2714.2	2706.4	2662.0	2659.0	2649.4	2599.6	2671.0
20°	2586.5	2606.2	2573.9	2636.2	2651.8	2653.0	2600.8	2592.5	2572.7	2517.5	2561.3
25°	2481.5	2500.1	2472.5	2540.3	2544.5	2551.7	2531.3	2478.5	2479.1	2418.6	2446.8
30°	2351.4	2371.2	2346.0	2436.6	2445.6	2443.8	2433.0	2399.4	2381.4	2308.3	2338.2
35°	2216.5	2219.5	2238.1	2277.1	2317.3	2341.2	2338.8	2291.5	2262.7	2169.8	2163.2
40°	2033.7	2044.5	2080.4	2143.4	2172.2	2196.2	2200.3	2172.2	2118.2	2036.1	2010.3
45°	1841.2	1853.8	1925.2	1987.5	2034.9	2083.4	2077.4	2038.5	1990.5	1890.4	1840.0
50°	1630.8	1656.6	1742.9	1824.4	1892.2	1921.0	1934.1	1901.8	1837.0	1736.9	1636.2
55°	1425.1	1448.5	1567.8	1657.8	1727.3	1790.3	1799.8	1751.9	1677.5	1579.2	1445.5
60°	1219.5	1240.5	1350.2	1481.5	1567.2	1645.2	1651.2	1621.8	1503.7	1407.1	1270.4
65°	966.5	1049.2	1163.1	1303.4	1402.3	1516.3	1490.5	1464.7	1370.6	1236.3	1070.8
70°	739.2	819.6	965.3	1113.4	1268.6	1354.4	1355.0	1333.4	1232.1	1075.0	907.7
75°	493.4	622.9	796.2	974.3	1123.0	1212.3	1243.5	1194.3	1066.0	929.9	724.9
80°	279.4	392.1	623.5	826.2	971.3	1057.0	1087.0	1062.4	923.9	763.2	586.4
85°	91.1	270.4	480.8	691.9	848.4	953.3	970.1	913.1	820.8	659.5	434.1
90°	22.2	155.3	363.3	571.4	718.9	814.2	842.4	811.8	706.9	551.6	333.4
95°	40.2	110.3	286.0	456.3	619.9	697.3	735.6	716.5	605.5	455.7	274.6
100°	3.0	45.6	210.4	371.1	519.8	602.5	625.9	621.1	521.0	366.9	199.1
105°	4.8	64.8	146.3	311.8	426.3	531.8	561.2	519.8	425.7	295.6	131.3
110°	9.6	33.6	97.7	229.0	364.5	440.7	457.5	438.9	359.1	236.8	111.5
115°	10.2	27.6	98.3	197.9	280.0	359.7	404.7	340.5	269.8	191.9	101.3
120°	17.4	29.4	76.1	152.9	244.0	259.0	312.4	289.0	220.6	148.7	83.3
125°	13.2	25.2	71.9	119.3	172.1	227.2	237.4	229.6	188.9	126.5	60.6
130°	9.0	30.0	48.0	89.3	158.9	202.0	203.2	189.5	150.5	124.7	32.4
135°	17.4	26.4	36.6	71.3	131.3	150.5	151.7	153.5	125.9	91.7	25.8
140°	19.8	24.6	25.8	35.4	85.1	117.5	125.3	107.3	109.7	54.0	28.8
145°	15.0	28.8	42.6	23.4	44.4	91.7	98.3	103.1	68.3	18.0	38.4
150°	0.0	25.8	48.0	29.4	27.0	20.4	30.0	27.0	15.6	33.6	51.6
155°	10.2	9.0	40.8	29.4	32.4	14.4	7.2	24.0	22.2	35.4	40.2
160°	10.8	11.4	15.6	18.6	33.6	34.2	37.8	54.0	34.8	40.8	15.6
165°	12.0	21.0	13.2	17.4	37.2	19.8	27.6	43.2	28.2	15.6	28.8
170°	12.0	22.8	4.8	6.6	18.6	13.8	34.2	22.2	30.6	19.8	13.8
175°	16.8	23.4	16.8	15.0	31.2	25.2	8.4	1.8	18.0	39.0	0.0
180°	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1



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**CANDELA DISTRIBUTION (continued):**

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	2768.9	2768.9	2768.9	2768.9	2768.9	2768.9	2768.9	2768.9	2768.9	2768.9	2768.9
5°	2732.1	2760.9	2784.9	2741.1	2782.5	2787.3	2783.7	2710.6	2744.7	2739.3	2696.2
10°	2717.8	2722.0	2735.1	2687.8	2741.7	2747.7	2755.5	2678.8	2706.4	2715.4	2683.6
15°	2632.6	2642.8	2681.8	2621.8	2671.0	2684.8	2684.8	2618.8	2653.6	2635.6	2620.6
20°	2577.5	2571.5	2588.3	2544.5	2581.7	2587.1	2619.4	2530.7	2588.3	2582.9	2534.3
25°	2452.8	2437.2	2452.8	2452.8	2483.9	2503.7	2528.9	2434.8	2499.5	2482.1	2425.2
30°	2338.8	2319.7	2325.1	2333.4	2371.8	2382.6	2431.2	2337.6	2394.6	2374.2	2327.5
35°	2186.6	2174.0	2169.8	2205.1	2244.7	2251.9	2302.9	2201.5	2273.5	2235.1	2201.5
40°	1997.1	1997.1	2005.5	2057.7	2088.8	2130.8	2185.4	2087.6	2149.4	2109.8	2058.9
45°	1829.8	1793.3	1789.1	1874.8	1923.4	1975.5	2030.1	1977.9	2016.3	1959.3	1928.2
50°	1618.2	1620.0	1587.6	1669.1	1744.1	1821.4	1875.4	1824.4	1868.2	1828.6	1762.7
55°	1406.5	1381.4	1373.0	1489.9	1581.6	1684.1	1720.1	1701.5	1722.5	1698.5	1595.4
60°	1184.7	1156.5	1178.1	1304.6	1405.9	1528.3	1579.8	1565.4	1546.8	1512.7	1449.1
65°	971.3	915.5	966.5	1111.0	1243.5	1364.0	1420.9	1440.7	1417.3	1368.2	1270.4
70°	732.7	683.5	753.0	907.1	1075.0	1198.5	1265.6	1285.4	1271.6	1206.3	1090.0
75°	522.2	441.9	549.2	741.0	928.1	1047.4	1132.0	1163.7	1130.2	1079.2	943.7
80°	356.1	241.6	367.5	578.0	758.4	916.7	994.7	1031.8	1001.8	916.1	795.6
85°	228.4	79.7	227.8	429.3	634.3	793.8	870.5	908.9	880.7	806.4	657.1
90°	123.5	9.0	146.3	335.1	521.6	662.5	769.8	786.6	763.8	671.5	542.0
95°	85.1	0.6	84.5	235.0	429.9	573.8	658.9	708.1	675.7	580.4	446.7
100°	52.8	21.6	52.8	186.5	355.5	485.6	561.8	606.7	570.8	482.0	359.7
105°	46.8	11.4	49.2	151.7	289.0	393.3	477.8	526.4	488.6	415.5	302.8
110°	34.8	5.4	25.2	112.7	226.0	348.9	395.1	413.1	410.1	338.7	243.4
115°	28.2	19.8	0.0	99.5	185.3	277.6	318.4	363.3	344.1	271.0	173.9
120°	21.6	25.2	23.4	55.8	135.5	226.0	260.8	296.2	260.8	232.0	148.7
125°	33.0	10.8	39.0	17.4	124.1	194.9	226.0	225.4	227.2	187.7	139.1
130°	19.8	3.0	41.4	9.6	55.2	142.1	179.3	199.1	187.1	152.3	82.1
135°	25.2	10.2	24.6	29.4	24.0	89.3	158.3	149.3	158.9	112.7	15.6
140°	10.2	8.4	27.0	24.6	18.0	13.8	43.8	95.9	58.2	1.8	11.4
145°	36.6	14.4	33.6	45.0	23.4	31.2	25.2	12.0	29.4	0.6	3.6
150°	28.2	0.0	22.8	47.4	27.0	13.2	5.4	4.8	0.0	10.8	22.8
155°	25.8	4.8	42.6	44.4	28.2	52.2	32.4	20.4	33.0	37.8	29.4
160°	28.2	13.8	22.2	39.0	41.4	36.6	45.0	39.6	31.2	36.6	30.0
165°	36.0	16.2	11.4	35.4	33.6	33.6	28.8	35.4	25.8	33.6	12.0
170°	19.8	19.8	34.2	19.8	39.6	31.2	39.0	22.2	21.6	18.6	22.2
175°	14.4	9.0	21.6	16.2	23.4	19.2	27.6	22.8	24.6	17.4	35.4
180°	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1



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**CANDELA DISTRIBUTION (continued):**

	330°	345°	360°
0°	2768.9	2768.9	2768.9
5°	2769.3	2744.1	2766.3
10°	2719.6	2719.6	2748.3
15°	2654.8	2677.6	2667.4
20°	2581.7	2589.5	2586.5
25°	2485.7	2485.7	2481.5
30°	2359.2	2365.2	2351.4
35°	2229.7	2223.7	2216.5
40°	2051.1	2055.3	2033.7
45°	1888.0	1891.0	1841.2
50°	1703.3	1687.1	1630.8
55°	1509.1	1480.3	1425.1
60°	1323.8	1244.1	1219.5
65°	1140.3	1033.6	966.5
70°	944.9	830.4	739.2
75°	757.8	590.6	493.4
80°	599.5	414.3	279.4
85°	470.0	244.6	91.1
90°	362.7	157.1	22.2
95°	269.2	79.1	40.2
100°	199.7	51.0	3.0
105°	145.7	46.8	4.8
110°	107.3	28.8	9.6
115°	104.3	33.0	10.2
120°	66.5	27.6	17.4
125°	21.0	40.2	13.2
130°	6.0	10.2	9.0
135°	33.0	23.4	17.4
140°	33.6	21.6	19.8
145°	30.6	36.0	15.0
150°	21.0	31.2	0.0
155°	33.6	22.2	10.2
160°	17.4	15.6	10.8
165°	28.2	22.8	12.0
170°	28.8	13.2	12.0
175°	8.4	11.4	16.8
180°	17.1	17.1	17.1





Report Generated By 670246072 / DESKTOP-MV3F9LC





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











(END OF REPORT)