

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: P600871

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

Issue Date: 7/7/2022



Test Information

Test Method: LM-79-08
Report Number: P600871
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-LO-3500K
Description: G3 8ft 8SLSTPSLC-347 30W at 3500K
Light Source: -
Ballast/Driver: -

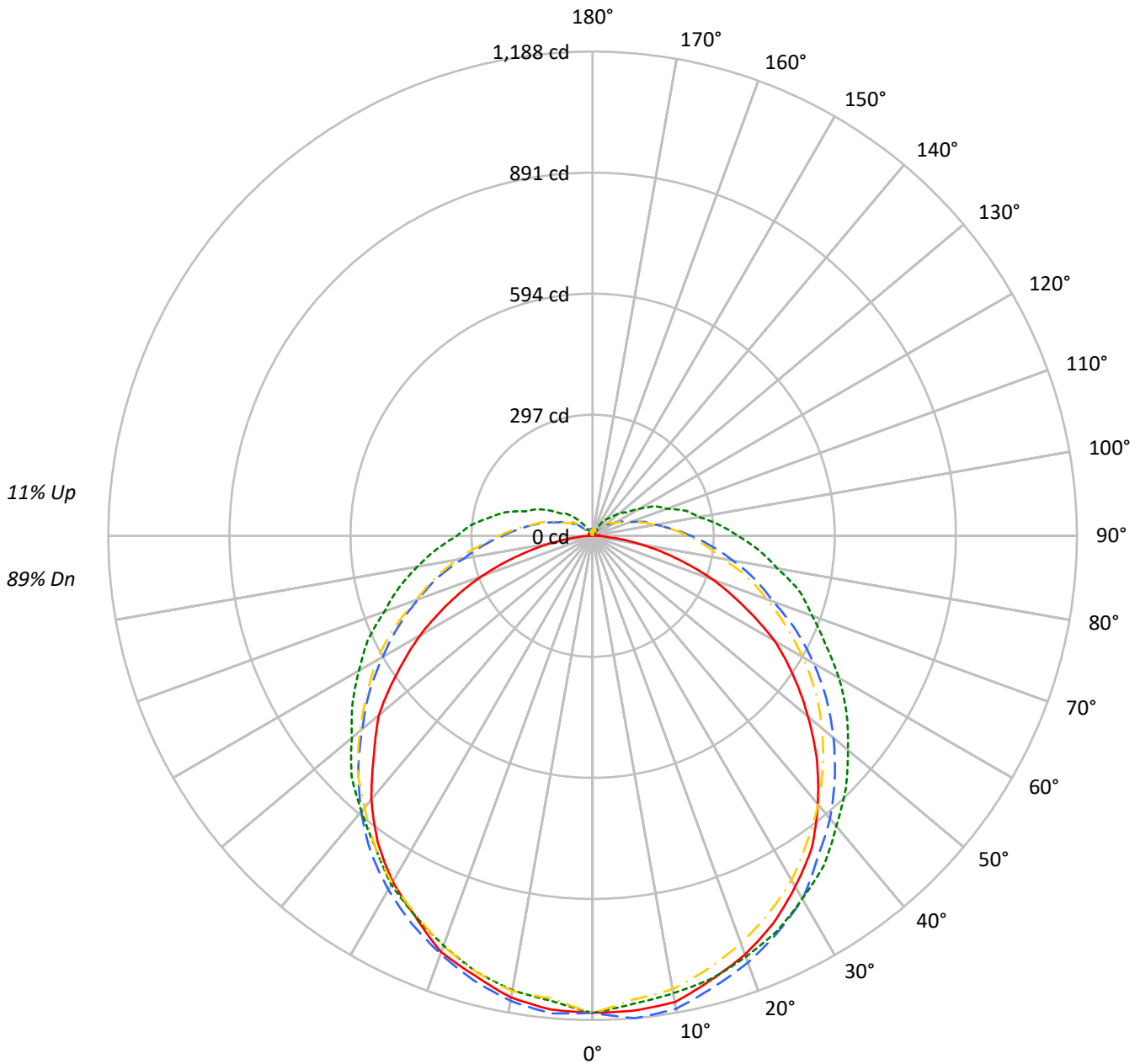
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4419.4 lumens
Efficiency: N/A
Efficacy: 136.0 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): 32.5
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				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°	7306	7306	7306	7306
5°	7309	6639	7295	6600
10°	7328	6139	7258	6098
15°	7234	5731	7167	5638
20°	7192	5350	7150	5205
25°	7134	5021	7007	4830
30°	7054	4694	6959	4510
35°	7007	4425	6872	4166
40°	6849	4115	6726	3904
45°	6690	3870	6515	3685
50°	6485	3617	6443	3411
55°	6312	3404	6118	3218
60°	6148	3183	5831	3018
65°	5703	2953	5403	2855
70°	5309	2783	4908	2641
75°	4570	2672	4092	2501
80°	3681	2470	3182	2344
85°	2107	2356	1844	2208



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.7	2.5
10°-20°	317.8	7.2
20°-30°	484.3	11.0
30°-40°	592.3	13.4
40°-50°	631.0	14.3
50°-60°	602.2	13.6
60°-70°	518.2	11.7
70°-80°	399.1	9.0
80°-90°	278.6	6.3
90°-100°	189.7	4.3
100°-110°	126.2	2.9
110°-120°	79.2	1.8
120°-130°	47.0	1.1
130°-140°	24.4	0.6
140°-150°	9.6	0.2
150°-160°	5.2	0.1
160°-170°	3.1	0.1
170°-180°	0.8	0.0
0°-30°	912.7	20.7
0°-40°	1505.1	34.1
0°-60°	2738.2	62.0
0°-90°	3934.1	89.0
90°-120°	395.1	8.9
90°-150°	476.1	10.8
90°-180°	485.0	11.0
0°-180°	4419.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1170	1170	1170	1170	1170	
5°	1169	1153	1167	1146	1169	111
15°	1128	1125	1117	1107	1128	319
25°	1049	1070	1030	1029	1049	483
35°	937	989	919	931	937	584
45°	778	878	758	836	778	600
55°	602	761	584	719	602	539
65°	408	630	387	609	408	407
75°	209	526	187	492	209	224
85°	38	410	34	384	38	51
90°	9	356	4	332	9	10
95°	17	311	0	299	17	6
105°	2	237	5	222	2	2
115°	4	171	8	154	4	5
125°	6	100	5	95	6	5
135°	7	64	4	63	7	5
145°	6	42	6	5	6	3
155°	4	3	2	9	4	1
165°	5	12	7	15	5	1
175°	7	4	4	10	7	1
180°	7	7	7	7	7	



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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	1170.4	1170.4	1170.4	1170.4	1170.4	1170.4	1170.4	1170.4	1170.4	1170.4	1170.4
5°	1169.3	1179.5	1150.1	1188.1	1184.3	1171.1	1152.6	1157.7	1161.0	1142.2	1166.0
10°	1161.7	1160.0	1135.4	1178.5	1169.1	1157.7	1139.9	1149.6	1145.0	1129.8	1155.1
15°	1127.5	1142.0	1121.7	1146.3	1147.3	1144.0	1125.2	1124.0	1119.9	1098.9	1129.0
20°	1093.3	1101.7	1088.0	1114.3	1120.9	1121.4	1099.4	1095.8	1087.5	1064.2	1082.7
25°	1048.9	1056.8	1045.1	1073.8	1075.6	1078.6	1070.0	1047.7	1047.9	1022.3	1034.2
30°	994.0	1002.3	991.7	1029.9	1033.7	1033.0	1028.4	1014.2	1006.6	975.7	988.4
35°	936.9	938.2	946.1	962.5	979.5	989.6	988.6	968.6	956.4	917.2	914.4
40°	859.6	864.2	879.4	906.0	918.2	928.3	930.1	918.2	895.4	860.6	849.8
45°	778.3	783.6	813.8	840.1	860.1	880.7	878.1	861.7	841.4	799.1	777.8
50°	689.3	700.2	736.7	771.2	799.8	812.0	817.6	803.9	776.5	734.2	691.6
55°	602.4	612.3	662.7	700.7	730.1	756.7	760.8	740.5	709.1	667.5	611.0
60°	515.5	524.3	570.7	626.2	662.5	695.4	697.9	685.5	635.6	594.8	537.0
65°	408.5	443.5	491.7	551.0	592.8	640.9	630.0	619.1	579.3	522.6	452.6
70°	312.5	346.4	408.0	470.6	536.3	572.5	572.8	563.6	520.8	454.4	383.7
75°	208.6	263.3	336.6	411.8	474.7	512.4	525.6	504.8	450.6	393.1	306.4
80°	118.1	165.7	263.6	349.2	410.6	446.8	459.5	449.1	390.5	322.6	247.9
85°	38.5	114.3	203.3	292.5	358.6	403.0	410.1	386.0	346.9	278.8	183.5
90°	9.4	65.6	153.6	241.5	303.9	344.2	356.1	343.1	298.8	233.2	140.9
95°	17.0	46.6	120.9	192.9	262.0	294.7	311.0	302.8	256.0	192.6	116.1
100°	1.3	19.3	89.0	156.9	219.7	254.7	264.6	262.6	220.2	155.1	84.1
105°	2.0	27.4	61.8	131.8	180.2	224.8	237.2	219.7	179.9	124.9	55.5
110°	4.1	14.2	41.3	96.8	154.1	186.3	193.4	185.5	151.8	100.1	47.1
115°	4.3	11.7	41.6	83.6	118.4	152.1	171.1	143.9	114.0	81.1	42.8
120°	7.3	12.4	32.2	64.6	103.1	109.5	132.0	122.2	93.3	62.9	35.2
125°	5.6	10.6	30.4	50.4	72.7	96.1	100.4	97.1	79.8	53.5	25.6
130°	3.8	12.7	20.3	37.8	67.2	85.4	85.9	80.1	63.6	52.7	13.7
135°	7.3	11.2	15.5	30.2	55.5	63.6	64.1	64.9	53.2	38.8	10.9
140°	8.4	10.4	10.9	15.0	36.0	49.7	53.0	45.4	46.4	22.8	12.2
145°	6.3	12.2	18.0	9.9	18.8	38.8	41.6	43.6	28.9	7.6	16.2
150°	0.0	10.9	20.3	12.4	11.4	8.6	12.7	11.4	6.6	14.2	21.8
155°	4.3	3.8	17.2	12.4	13.7	6.1	3.0	10.1	9.4	15.0	17.0
160°	4.6	4.8	6.6	7.9	14.2	14.4	16.0	22.8	14.7	17.2	6.6
165°	5.1	8.9	5.6	7.3	15.7	8.4	11.7	18.2	11.9	6.6	12.2
170°	5.1	9.6	2.0	2.8	7.9	5.8	14.4	9.4	12.9	8.4	5.8
175°	7.1	9.9	7.1	6.3	13.2	10.6	3.5	0.8	7.6	16.5	0.0
180°	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2



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CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	1170.4	1170.4	1170.4	1170.4	1170.4	1170.4	1170.4	1170.4	1170.4	1170.4	1170.4
5°	1154.9	1167.0	1177.2	1158.7	1176.2	1178.2	1176.7	1145.8	1160.2	1157.9	1139.7
10°	1148.8	1150.6	1156.1	1136.1	1158.9	1161.5	1164.8	1132.3	1144.0	1147.8	1134.4
15°	1112.8	1117.1	1133.6	1108.3	1129.0	1134.9	1134.9	1107.0	1121.7	1114.1	1107.7
20°	1089.5	1087.0	1094.1	1075.6	1091.3	1093.6	1107.2	1069.7	1094.1	1091.8	1071.2
25°	1036.8	1030.2	1036.8	1036.8	1050.0	1058.3	1069.0	1029.2	1056.6	1049.2	1025.1
30°	988.6	980.5	982.8	986.4	1002.6	1007.1	1027.7	988.1	1012.2	1003.6	983.8
35°	924.3	918.9	917.2	932.1	948.8	951.9	973.4	930.6	961.0	944.8	930.6
40°	844.2	844.2	847.7	869.8	883.0	900.7	923.8	882.4	908.5	891.8	870.3
45°	773.5	758.0	756.2	792.5	813.0	835.1	858.1	836.1	852.3	828.2	815.0
50°	684.0	684.8	671.1	705.5	737.2	769.9	792.7	771.2	789.7	773.0	745.1
55°	594.5	583.9	580.4	629.8	668.5	711.9	727.1	719.2	728.1	718.0	674.4
60°	500.8	488.9	498.0	551.5	594.3	646.0	667.8	661.7	653.8	639.4	612.5
65°	410.6	387.0	408.5	469.6	525.6	576.6	600.6	609.0	599.1	578.3	537.0
70°	309.7	288.9	318.3	383.4	454.4	506.6	535.0	543.4	537.5	509.9	460.7
75°	220.7	186.8	232.1	313.2	392.3	442.7	478.5	491.9	477.7	456.2	398.9
80°	150.5	102.1	155.4	244.3	320.6	387.5	420.4	436.2	423.5	387.2	336.3
85°	96.6	33.7	96.3	181.5	268.1	335.5	368.0	384.2	372.3	340.9	277.8
90°	52.2	3.8	61.8	141.7	220.5	280.0	325.4	332.5	322.9	283.8	229.1
95°	36.0	0.3	35.7	99.3	181.7	242.5	278.5	299.3	285.6	245.3	188.8
100°	22.3	9.1	22.3	78.8	150.3	205.3	237.5	256.5	241.3	203.8	152.1
105°	19.8	4.8	20.8	64.1	122.2	166.3	202.0	222.5	206.5	175.6	128.0
110°	14.7	2.3	10.6	47.6	95.5	147.5	167.0	174.6	173.3	143.2	102.9
115°	11.9	8.4	0.0	42.1	78.3	117.3	134.6	153.6	145.5	114.6	73.5
120°	9.1	10.6	9.9	23.6	57.3	95.5	110.2	125.2	110.2	98.1	62.9
125°	13.9	4.6	16.5	7.3	52.5	82.4	95.5	95.3	96.1	79.3	58.8
130°	8.4	1.3	17.5	4.1	23.3	60.1	75.8	84.1	79.1	64.4	34.7
135°	10.6	4.3	10.4	12.4	10.1	37.8	66.9	63.1	67.2	47.6	6.6
140°	4.3	3.5	11.4	10.4	7.6	5.8	18.5	40.5	24.6	0.8	4.8
145°	15.5	6.1	14.2	19.0	9.9	13.2	10.6	5.1	12.4	0.3	1.5
150°	11.9	0.0	9.6	20.0	11.4	5.6	2.3	2.0	0.0	4.6	9.6
155°	10.9	2.0	18.0	18.8	11.9	22.0	13.7	8.6	13.9	16.0	12.4
160°	11.9	5.8	9.4	16.5	17.5	15.5	19.0	16.7	13.2	15.5	12.7
165°	15.2	6.8	4.8	15.0	14.2	14.2	12.2	15.0	10.9	14.2	5.1
170°	8.4	8.4	14.4	8.4	16.7	13.2	16.5	9.4	9.1	7.9	9.4
175°	6.1	3.8	9.1	6.8	9.9	8.1	11.7	9.6	10.4	7.3	15.0
180°	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2



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CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	1170.4	1170.4	1170.4
5°	1170.6	1160.0	1169.3
10°	1149.6	1149.6	1161.7
15°	1122.2	1131.8	1127.5
20°	1091.3	1094.6	1093.3
25°	1050.7	1050.7	1048.9
30°	997.2	999.8	994.0
35°	942.5	940.0	936.9
40°	867.0	868.8	859.6
45°	798.1	799.3	778.3
50°	720.0	713.2	689.3
55°	637.9	625.7	602.4
60°	559.6	525.9	515.5
65°	482.0	436.9	408.5
70°	399.4	351.0	312.5
75°	320.3	249.6	208.6
80°	253.4	175.1	118.1
85°	198.7	103.4	38.5
90°	153.3	66.4	9.4
95°	113.8	33.5	17.0
100°	84.4	21.5	1.3
105°	61.6	19.8	2.0
110°	45.4	12.2	4.1
115°	44.1	13.9	4.3
120°	28.1	11.7	7.3
125°	8.9	17.0	5.6
130°	2.5	4.3	3.8
135°	13.9	9.9	7.3
140°	14.2	9.1	8.4
145°	12.9	15.2	6.3
150°	8.9	13.2	0.0
155°	14.2	9.4	4.3
160°	7.3	6.6	4.6
165°	11.9	9.6	5.1
170°	12.2	5.6	5.1
175°	3.5	4.8	7.1
180°	7.2	7.2	7.2



Report Generated By 670246072 / DESKTOP-MV3F9LC





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











(END OF REPORT)