

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: P600872

Luminaire Tested: **8SLSTPSLC-347-LO-4000K**

Issue Date: 7/7/2022



Test Information

Test Method: LM-79-08
Report Number: P600872
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-4000K
Description: G3 8ft 8SLSTPSLC-347 30W at 4000K
Light Source: -
Ballast/Driver: -

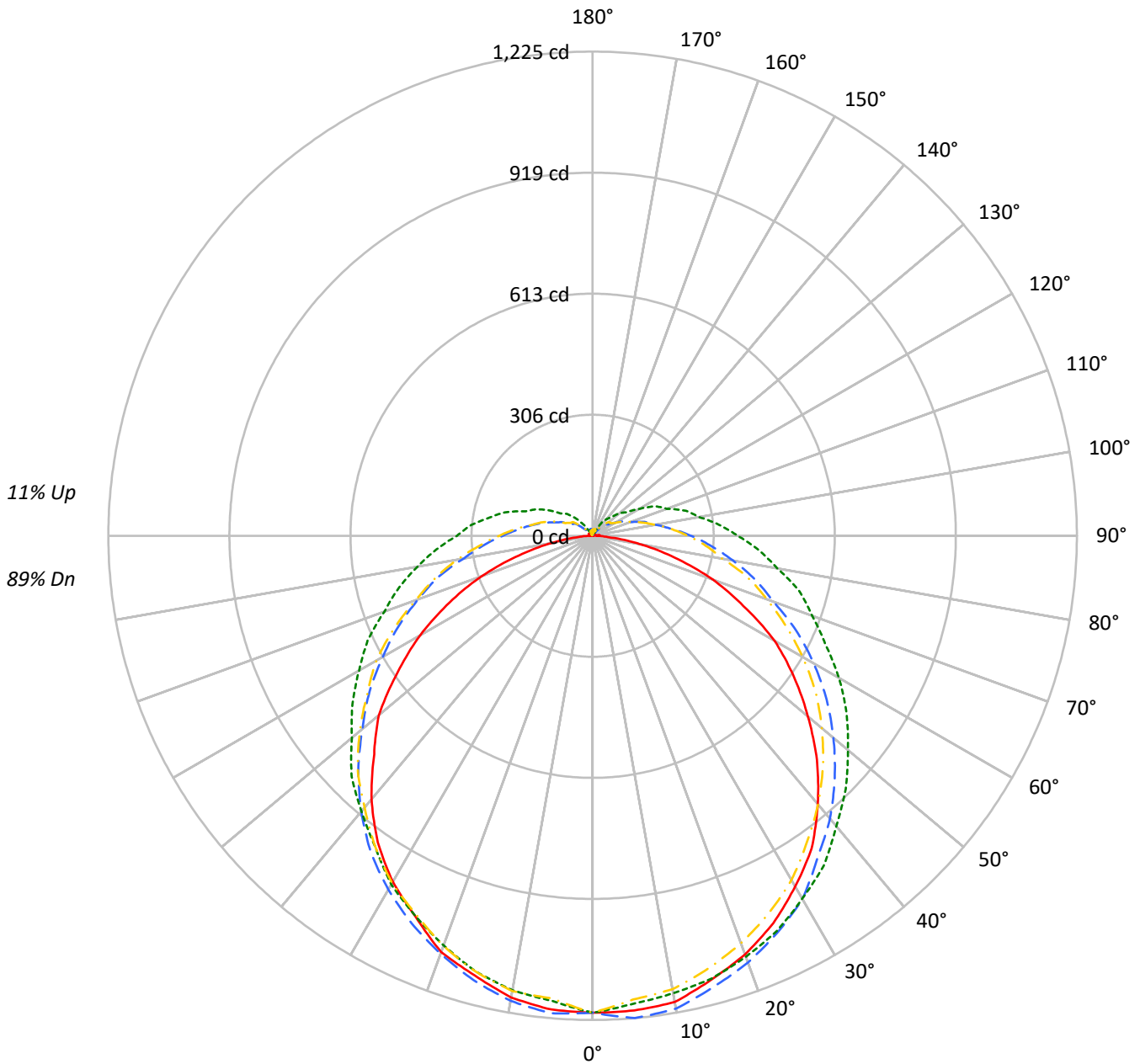
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4556.3 lumens
Efficiency: N/A
Efficacy: 142.8 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): 31.9
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: P600872
CATALOG NUMBER: 8SLSTPSLC-347-LO-4000K

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	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°	7532	7532	7532	7532
5°	7536	6845	7521	6805
10°	7555	6330	7483	6287
15°	7458	5909	7389	5813
20°	7415	5516	7371	5367
25°	7356	5176	7224	4979
30°	7273	4840	7174	4650
35°	7224	4563	7085	4295
40°	7062	4243	6934	4025
45°	6897	3990	6717	3799
50°	6686	3728	6642	3517
55°	6508	3509	6308	3317
60°	6339	3282	6011	3111
65°	5880	3045	5570	2943
70°	5474	2869	5061	2722
75°	4710	2755	4219	2579
80°	3796	2546	3282	2417
85°	2172	2429	1904	2276



TEST NUMBER: P600872

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.2	2.5
10°-20°	327.6	7.2
20°-30°	499.3	11.0
30°-40°	610.7	13.4
40°-50°	650.5	14.3
50°-60°	620.8	13.6
60°-70°	534.3	11.7
70°-80°	411.5	9.0
80°-90°	287.2	6.3
90°-100°	195.5	4.3
100°-110°	130.1	2.9
110°-120°	81.7	1.8
120°-130°	48.4	1.1
130°-140°	25.1	0.6
140°-150°	9.9	0.2
150°-160°	5.4	0.1
160°-170°	3.2	0.1
170°-180°	0.8	0.0
0°-30°	941.0	20.7
0°-40°	1551.7	34.1
0°-60°	2823.1	62.0
0°-90°	4056.1	89.0
90°-120°	407.3	8.9
90°-150°	490.8	10.8
90°-180°	500.0	11.0
0°-180°	4556.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1207	1207	1207	1207	1207	
5°	1206	1188	1203	1181	1206	115
15°	1162	1160	1152	1141	1162	329
25°	1082	1103	1062	1061	1082	498
35°	966	1019	947	959	966	602
45°	802	905	782	862	802	618
55°	621	784	602	742	621	556
65°	421	650	399	628	421	420
75°	215	542	193	507	215	231
85°	40	423	35	396	40	53
90°	10	367	4	343	10	10
95°	18	321	0	309	18	6
105°	2	245	5	229	2	3
115°	4	176	9	158	4	5
125°	6	104	5	98	6	5
135°	8	66	4	65	8	5
145°	6	43	6	5	6	3
155°	4	3	2	9	4	2
165°	5	12	7	15	5	1
175°	7	4	4	10	7	1
180°	8	8	8	8	8	



TEST NUMBER: P600872

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

CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	1206.7	1206.7	1206.7	1206.7	1206.7	1206.7	1206.7	1206.7	1206.7	1206.7	1206.7
5°	1205.6	1216.0	1185.7	1224.9	1221.0	1207.4	1188.3	1193.5	1196.9	1177.6	1202.2
10°	1197.7	1195.9	1170.6	1215.0	1205.3	1193.5	1175.3	1185.2	1180.5	1164.8	1190.9
15°	1162.5	1177.3	1156.4	1181.8	1182.8	1179.4	1160.1	1158.8	1154.6	1132.9	1164.0
20°	1127.2	1135.8	1121.7	1148.9	1155.7	1156.2	1133.5	1129.8	1121.2	1097.1	1116.2
25°	1081.5	1089.6	1077.5	1107.1	1108.9	1112.0	1103.1	1080.1	1080.4	1054.0	1066.3
30°	1024.8	1033.4	1022.4	1061.9	1065.8	1065.0	1060.3	1045.7	1037.8	1005.9	1019.0
35°	966.0	967.3	975.4	992.4	1009.9	1020.3	1019.3	998.6	986.1	945.6	942.7
40°	886.3	891.0	906.7	934.1	946.6	957.1	958.9	946.6	923.1	887.3	876.1
45°	802.4	807.9	839.0	866.2	886.8	908.0	905.3	888.4	867.5	823.8	801.9
50°	710.7	721.9	759.6	795.1	824.6	837.2	842.9	828.8	800.6	756.9	713.0
55°	621.1	631.3	683.3	722.5	752.8	780.2	784.4	763.5	731.1	688.2	630.0
60°	531.5	540.6	588.4	645.6	683.0	717.0	719.6	706.8	655.3	613.2	553.7
65°	421.2	457.2	506.9	568.0	611.1	660.8	649.6	638.3	597.3	538.8	466.7
70°	322.2	357.2	420.7	485.2	552.9	590.2	590.5	581.1	536.9	468.5	395.6
75°	215.0	271.5	347.0	424.6	489.4	528.3	541.9	520.5	464.6	405.3	315.9
80°	121.8	170.9	271.7	360.0	423.3	460.6	473.7	463.0	402.6	332.6	255.5
85°	39.7	117.8	209.5	301.5	369.7	415.4	422.8	397.9	357.7	287.4	189.2
90°	9.7	67.7	158.3	249.0	313.3	354.8	367.1	353.8	308.1	240.4	145.3
95°	17.5	48.1	124.6	198.8	270.2	303.9	320.6	312.2	263.9	198.6	119.7
100°	1.3	19.9	91.7	161.7	226.5	262.6	272.8	270.7	227.1	159.9	86.7
105°	2.1	28.2	63.8	135.9	185.8	231.8	244.6	226.5	185.5	128.8	57.2
110°	4.2	14.6	42.6	99.8	158.9	192.0	199.4	191.3	156.5	103.2	48.6
115°	4.4	12.0	42.9	86.2	122.0	156.8	176.4	148.4	117.6	83.6	44.2
120°	7.6	12.8	33.2	66.6	106.3	112.9	136.1	125.9	96.2	64.8	36.3
125°	5.7	11.0	31.4	52.0	75.0	99.0	103.5	100.1	82.3	55.1	26.4
130°	3.9	13.1	20.9	38.9	69.2	88.1	88.6	82.6	65.6	54.3	14.1
135°	7.6	11.5	15.9	31.1	57.2	65.6	66.1	66.9	54.9	40.0	11.2
140°	8.6	10.7	11.2	15.4	37.1	51.2	54.6	46.8	47.8	23.5	12.5
145°	6.5	12.5	18.6	10.2	19.3	40.0	42.9	44.9	29.8	7.8	16.7
150°	0.0	11.2	20.9	12.8	11.8	8.9	13.1	11.8	6.8	14.6	22.5
155°	4.4	3.9	17.8	12.8	14.1	6.3	3.1	10.5	9.7	15.4	17.5
160°	4.7	5.0	6.8	8.1	14.6	14.9	16.5	23.5	15.2	17.8	6.8
165°	5.2	9.1	5.7	7.6	16.2	8.6	12.0	18.8	12.3	6.8	12.5
170°	5.2	9.9	2.1	2.9	8.1	6.0	14.9	9.7	13.3	8.6	6.0
175°	7.3	10.2	7.3	6.5	13.6	11.0	3.7	0.8	7.8	17.0	0.0
180°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5



TEST NUMBER: P600872

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

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	1206.7	1206.7	1206.7	1206.7	1206.7	1206.7	1206.7	1206.7	1206.7	1206.7	1206.7
5°	1190.7	1203.2	1213.7	1194.6	1212.6	1214.7	1213.1	1181.3	1196.2	1193.8	1175.0
10°	1184.4	1186.2	1192.0	1171.3	1194.9	1197.5	1200.9	1167.4	1179.4	1183.4	1169.5
15°	1147.3	1151.7	1168.7	1142.6	1164.0	1170.0	1170.0	1141.3	1156.4	1148.6	1142.1
20°	1123.3	1120.6	1128.0	1108.9	1125.1	1127.4	1141.6	1102.9	1128.0	1125.6	1104.4
25°	1068.9	1062.1	1068.9	1068.9	1082.5	1091.1	1102.1	1061.1	1089.3	1081.7	1056.9
30°	1019.3	1010.9	1013.3	1016.9	1033.6	1038.3	1059.5	1018.7	1043.6	1034.7	1014.3
35°	952.9	947.4	945.6	961.0	978.2	981.4	1003.6	959.4	990.8	974.1	959.4
40°	870.3	870.3	874.0	896.7	910.3	928.6	952.4	909.8	936.7	919.5	897.2
45°	797.4	781.5	779.7	817.0	838.2	860.9	884.7	862.0	878.7	853.9	840.3
50°	705.2	706.0	691.9	727.4	760.1	793.8	817.3	795.1	814.2	796.9	768.2
55°	613.0	602.0	598.3	649.3	689.3	733.9	749.6	741.5	750.7	740.2	695.3
60°	516.3	504.0	513.4	568.6	612.7	666.0	688.5	682.2	674.1	659.2	631.5
65°	423.3	399.0	421.2	484.2	541.9	594.4	619.2	627.9	617.7	596.2	553.7
70°	319.3	297.9	328.2	395.3	468.5	522.3	551.6	560.2	554.2	525.7	475.0
75°	227.6	192.6	239.3	322.9	404.5	456.5	493.3	507.2	492.5	470.3	411.3
80°	155.2	105.3	160.2	251.9	330.5	399.5	433.5	449.7	436.6	399.2	346.7
85°	99.5	34.8	99.3	187.1	276.4	345.9	379.4	396.1	383.8	351.4	286.4
90°	53.8	3.9	63.8	146.1	227.3	288.7	335.5	342.8	332.9	292.6	236.2
95°	37.1	0.3	36.8	102.4	187.3	250.0	287.2	308.6	294.5	252.9	194.7
100°	23.0	9.4	23.0	81.3	154.9	211.6	244.8	264.4	248.7	210.1	156.8
105°	20.4	5.0	21.4	66.1	125.9	171.4	208.2	229.4	212.9	181.1	131.9
110°	15.2	2.4	11.0	49.1	98.5	152.1	172.2	180.0	178.7	147.6	106.1
115°	12.3	8.6	0.0	43.4	80.7	121.0	138.7	158.3	150.0	118.1	75.8
120°	9.4	11.0	10.2	24.3	59.1	98.5	113.7	129.1	113.7	101.1	64.8
125°	14.4	4.7	17.0	7.6	54.1	84.9	98.5	98.2	99.0	81.8	60.6
130°	8.6	1.3	18.0	4.2	24.0	61.9	78.1	86.7	81.5	66.4	35.8
135°	11.0	4.4	10.7	12.8	10.5	38.9	69.0	65.1	69.2	49.1	6.8
140°	4.4	3.7	11.8	10.7	7.8	6.0	19.1	41.8	25.3	0.8	5.0
145°	15.9	6.3	14.6	19.6	10.2	13.6	11.0	5.2	12.8	0.3	1.6
150°	12.3	0.0	9.9	20.6	11.8	5.7	2.4	2.1	0.0	4.7	9.9
155°	11.2	2.1	18.6	19.3	12.3	22.7	14.1	8.9	14.4	16.5	12.8
160°	12.3	6.0	9.7	17.0	18.0	15.9	19.6	17.2	13.6	15.9	13.1
165°	15.7	7.1	5.0	15.4	14.6	14.6	12.5	15.4	11.2	14.6	5.2
170°	8.6	8.6	14.9	8.6	17.2	13.6	17.0	9.7	9.4	8.1	9.7
175°	6.3	3.9	9.4	7.1	10.2	8.4	12.0	9.9	10.7	7.6	15.4
180°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5



TEST NUMBER: P600872

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	1206.7	1206.7	1206.7
5°	1206.9	1195.9	1205.6
10°	1185.2	1185.2	1197.7
15°	1157.0	1166.9	1162.5
20°	1125.1	1128.5	1127.2
25°	1083.3	1083.3	1081.5
30°	1028.2	1030.8	1024.8
35°	971.7	969.1	966.0
40°	893.9	895.7	886.3
45°	822.8	824.1	802.4
50°	742.3	735.3	710.7
55°	657.7	645.1	621.1
60°	576.9	542.2	531.5
65°	497.0	450.5	421.2
70°	411.8	361.9	322.2
75°	330.3	257.4	215.0
80°	261.3	180.5	121.8
85°	204.8	106.6	39.7
90°	158.1	68.5	9.7
95°	117.3	34.5	17.5
100°	87.0	22.2	1.3
105°	63.5	20.4	2.1
110°	46.8	12.5	4.2
115°	45.5	14.4	4.4
120°	29.0	12.0	7.6
125°	9.1	17.5	5.7
130°	2.6	4.4	3.9
135°	14.4	10.2	7.6
140°	14.6	9.4	8.6
145°	13.3	15.7	6.5
150°	9.1	13.6	0.0
155°	14.6	9.7	4.4
160°	7.6	6.8	4.7
165°	12.3	9.9	5.2
170°	12.5	5.7	5.2
175°	3.7	5.0	7.3
180°	7.5	7.5	7.5



Report Generated By 670246072 / DESKTOP-MV3F9LC





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











(END OF REPORT)