

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: P600873

Luminaire Tested: **8SLSTPSLC-347-LO-5000K**

Issue Date: 7/7/2022



Test Information

Test Method: LM-79-08
Report Number: P600873
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-5000K
Description: G3 8ft 8SLSTPSLC-347 30W at 5000K
Light Source: -
Ballast/Driver: -

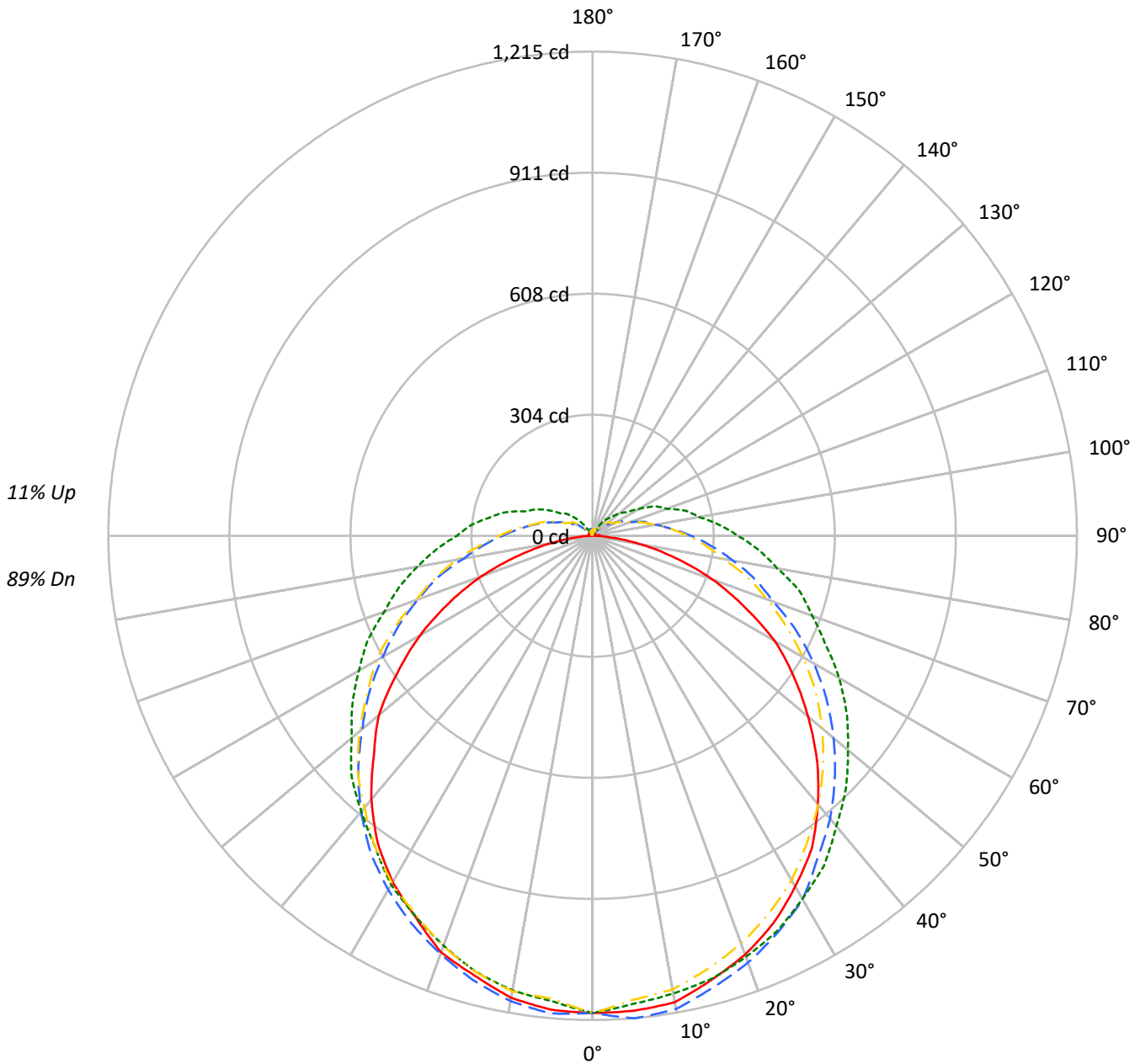
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4521.1 lumens
Efficiency: N/A
Efficacy: 139.5 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): 32.4
Input Voltage (V): NR
Input Current (A_{in}): 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	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°	7474	7474	7474	7474
5°	7478	6792	7463	6752
10°	7497	6281	7426	6239
15°	7401	5863	7332	5768
20°	7357	5473	7315	5326
25°	7299	5136	7168	4941
30°	7216	4802	7119	4614
35°	7168	4527	7031	4261
40°	7007	4210	6881	3994
45°	6844	3959	6666	3769
50°	6634	3700	6590	3490
55°	6458	3482	6259	3292
60°	6289	3256	5964	3087
65°	5834	3021	5527	2920
70°	5431	2847	5022	2701
75°	4675	2734	4187	2558
80°	3765	2526	3257	2398
85°	2156	2410	1888	2258



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.3	2.5
10°-20°	325.1	7.2
20°-30°	495.4	11.0
30°-40°	606.0	13.4
40°-50°	645.5	14.3
50°-60°	616.0	13.6
60°-70°	530.1	11.7
70°-80°	408.3	9.0
80°-90°	285.0	6.3
90°-100°	194.0	4.3
100°-110°	129.1	2.9
110°-120°	81.0	1.8
120°-130°	48.1	1.1
130°-140°	24.9	0.6
140°-150°	9.8	0.2
150°-160°	5.4	0.1
160°-170°	3.2	0.1
170°-180°	0.8	0.0
0°-30°	933.8	20.7
0°-40°	1539.7	34.1
0°-60°	2801.3	62.0
0°-90°	4024.7	89.0
90°-120°	404.2	8.9
90°-150°	487.0	10.8
90°-180°	496.0	11.0
0°-180°	4521.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1197	1197	1197	1197	1197	
5°	1196	1179	1194	1172	1196	114
15°	1154	1151	1143	1132	1154	326
25°	1073	1095	1054	1053	1073	494
35°	958	1011	940	952	958	598
45°	796	898	776	855	796	614
55°	616	778	597	736	616	552
65°	418	644	396	623	418	417
75°	213	538	191	503	213	229
85°	39	420	34	393	39	52
90°	10	364	4	340	10	10
95°	17	318	0	306	17	6
105°	2	243	5	228	2	3
115°	4	175	9	157	4	5
125°	6	103	5	98	6	5
135°	8	66	4	65	8	5
145°	6	42	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°	7	7	7	7	7	



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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	1197.4	1197.4	1197.4	1197.4	1197.4	1197.4	1197.4	1197.4	1197.4	1197.4	1197.4
5°	1196.3	1206.6	1176.6	1215.4	1211.6	1198.1	1179.1	1184.3	1187.7	1168.5	1192.9
10°	1188.5	1186.7	1161.5	1205.6	1196.0	1184.3	1166.2	1176.0	1171.4	1155.8	1181.7
15°	1153.5	1168.3	1147.5	1172.7	1173.7	1170.3	1151.1	1149.8	1145.7	1124.2	1155.0
20°	1118.5	1127.0	1113.0	1140.0	1146.7	1147.3	1124.7	1121.1	1112.5	1088.7	1107.6
25°	1073.1	1081.1	1069.2	1098.5	1100.3	1103.4	1094.6	1071.8	1072.1	1045.9	1058.1
30°	1016.8	1025.4	1014.5	1053.7	1057.5	1056.8	1052.1	1037.6	1029.8	998.2	1011.1
35°	958.5	959.8	967.8	984.7	1002.1	1012.4	1011.4	990.9	978.5	938.3	935.4
40°	879.4	884.1	899.7	926.9	939.3	949.7	951.5	939.3	916.0	880.5	869.3
45°	796.2	801.7	832.5	859.5	880.0	901.0	898.4	881.5	860.8	817.5	795.7
50°	705.2	716.4	753.7	788.9	818.2	830.7	836.4	822.4	794.4	751.1	707.5
55°	616.3	626.4	678.0	716.9	746.9	774.2	778.3	757.6	725.4	682.9	625.1
60°	527.3	536.4	583.9	640.6	677.7	711.4	714.0	701.3	650.2	608.5	549.4
65°	417.9	453.7	503.0	563.6	606.4	655.7	644.5	633.4	592.7	534.6	463.0
70°	319.7	354.4	417.4	481.5	548.6	585.7	585.9	576.6	532.8	464.9	392.5
75°	213.4	269.4	344.3	421.3	485.6	524.2	537.7	516.5	461.0	402.1	313.5
80°	120.8	169.6	269.6	357.3	420.0	457.1	470.0	459.4	399.5	330.0	253.6
85°	39.4	116.9	207.9	299.2	366.9	412.2	419.5	394.9	354.9	285.2	187.7
90°	9.6	67.1	157.1	247.1	310.9	352.1	364.3	351.0	305.7	238.5	144.2
95°	17.4	47.7	123.7	197.3	268.1	301.5	318.1	309.8	261.9	197.0	118.7
100°	1.3	19.7	91.0	160.5	224.8	260.6	270.7	268.6	225.3	158.7	86.1
105°	2.1	28.0	63.3	134.8	184.3	230.0	242.7	224.8	184.1	127.8	56.8
110°	4.1	14.5	42.3	99.0	157.6	190.6	197.8	189.8	155.3	102.4	48.2
115°	4.4	11.9	42.5	85.6	121.1	155.6	175.0	147.3	116.7	83.0	43.8
120°	7.5	12.7	32.9	66.1	105.5	112.0	135.1	125.0	95.4	64.3	36.0
125°	5.7	10.9	31.1	51.6	74.4	98.3	102.7	99.3	81.7	54.7	26.2
130°	3.9	13.0	20.7	38.6	68.7	87.4	87.9	81.9	65.1	53.9	14.0
135°	7.5	11.4	15.8	30.9	56.8	65.1	65.6	66.4	54.4	39.7	11.1
140°	8.6	10.6	11.1	15.3	36.8	50.8	54.2	46.4	47.4	23.3	12.4
145°	6.5	12.4	18.4	10.1	19.2	39.7	42.5	44.6	29.6	7.8	16.6
150°	0.0	11.1	20.7	12.7	11.7	8.8	13.0	11.7	6.7	14.5	22.3
155°	4.4	3.9	17.6	12.7	14.0	6.2	3.1	10.4	9.6	15.3	17.4
160°	4.7	4.9	6.7	8.0	14.5	14.8	16.3	23.3	15.0	17.6	6.7
165°	5.2	9.1	5.7	7.5	16.1	8.6	11.9	18.7	12.2	6.7	12.4
170°	5.2	9.9	2.1	2.9	8.0	6.0	14.8	9.6	13.2	8.6	6.0
175°	7.3	10.1	7.3	6.5	13.5	10.9	3.6	0.8	7.8	16.9	0.0
180°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4



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CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	1197.4	1197.4	1197.4	1197.4	1197.4	1197.4	1197.4	1197.4	1197.4	1197.4	1197.4
5°	1181.5	1193.9	1204.3	1185.4	1203.3	1205.3	1203.8	1172.1	1186.9	1184.6	1165.9
10°	1175.3	1177.1	1182.8	1162.3	1185.6	1188.2	1191.6	1158.4	1170.3	1174.2	1160.5
15°	1138.4	1142.8	1159.7	1133.8	1155.0	1161.0	1161.0	1132.5	1147.5	1139.7	1133.3
20°	1114.6	1112.0	1119.3	1100.3	1116.4	1118.7	1132.7	1094.4	1119.3	1116.9	1095.9
25°	1060.7	1053.9	1060.7	1060.7	1074.1	1082.7	1093.6	1052.9	1080.9	1073.4	1048.7
30°	1011.4	1003.1	1005.4	1009.1	1025.7	1030.3	1051.3	1010.9	1035.5	1026.7	1006.5
35°	945.5	940.1	938.3	953.6	970.7	973.8	995.8	952.0	983.1	966.5	952.0
40°	863.6	863.6	867.2	889.8	903.3	921.4	945.0	902.8	929.5	912.4	890.3
45°	791.3	775.5	773.7	810.7	831.7	854.3	877.9	855.3	871.9	847.3	833.8
50°	699.8	700.5	686.5	721.8	754.2	787.7	811.0	788.9	807.9	790.8	762.2
55°	608.2	597.3	593.7	644.3	683.9	728.3	743.8	735.8	744.9	734.5	689.9
60°	512.3	500.1	509.5	564.2	608.0	660.9	683.2	676.9	668.9	654.1	626.6
65°	420.0	395.9	417.9	480.4	537.7	589.8	614.5	623.0	612.9	591.6	549.4
70°	316.8	295.6	325.6	392.3	464.9	518.3	547.3	555.9	549.9	521.6	471.3
75°	225.8	191.1	237.5	320.5	401.3	452.9	489.5	503.2	488.7	466.7	408.1
80°	154.0	104.5	158.9	249.9	328.0	396.4	430.1	446.2	433.2	396.2	344.0
85°	98.8	34.5	98.5	185.6	274.3	343.3	376.5	393.0	380.9	348.7	284.2
90°	53.4	3.9	63.3	144.9	225.6	286.5	332.9	340.2	330.3	290.4	234.4
95°	36.8	0.3	36.6	101.6	185.9	248.1	284.9	306.2	292.2	251.0	193.2
100°	22.8	9.3	22.8	80.6	153.7	210.0	242.9	262.4	246.8	208.4	155.6
105°	20.2	4.9	21.3	65.6	125.0	170.1	206.6	227.6	211.3	179.7	130.9
110°	15.0	2.3	10.9	48.7	97.7	150.9	170.9	178.6	177.3	146.5	105.3
115°	12.2	8.6	0.0	43.0	80.1	120.0	137.7	157.1	148.8	117.2	75.2
120°	9.3	10.9	10.1	24.1	58.6	97.7	112.8	128.1	112.8	100.3	64.3
125°	14.3	4.7	16.9	7.5	53.7	84.3	97.7	97.5	98.3	81.2	60.1
130°	8.6	1.3	17.9	4.1	23.9	61.4	77.5	86.1	80.9	65.9	35.5
135°	10.9	4.4	10.6	12.7	10.4	38.6	68.4	64.6	68.7	48.7	6.7
140°	4.4	3.6	11.7	10.6	7.8	6.0	18.9	41.5	25.1	0.8	4.9
145°	15.8	6.2	14.5	19.4	10.1	13.5	10.9	5.2	12.7	0.3	1.6
150°	12.2	0.0	9.9	20.5	11.7	5.7	2.3	2.1	0.0	4.7	9.9
155°	11.1	2.1	18.4	19.2	12.2	22.6	14.0	8.8	14.3	16.3	12.7
160°	12.2	6.0	9.6	16.9	17.9	15.8	19.4	17.1	13.5	15.8	13.0
165°	15.6	7.0	4.9	15.3	14.5	14.5	12.4	15.3	11.1	14.5	5.2
170°	8.6	8.6	14.8	8.6	17.1	13.5	16.9	9.6	9.3	8.0	9.6
175°	6.2	3.9	9.3	7.0	10.1	8.3	11.9	9.9	10.6	7.5	15.3
180°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4



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CATALOG NUMBER: 8SLSTPSLC-347-LO-5000K

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	1197.4	1197.4	1197.4
5°	1197.6	1186.7	1196.3
10°	1176.0	1176.0	1188.5
15°	1148.0	1157.9	1153.5
20°	1116.4	1119.8	1118.5
25°	1074.9	1074.9	1073.1
30°	1020.2	1022.8	1016.8
35°	964.2	961.6	958.5
40°	887.0	888.8	879.4
45°	816.4	817.7	796.2
50°	736.6	729.6	705.2
55°	652.6	640.1	616.3
60°	572.5	538.0	527.3
65°	493.1	447.0	417.9
70°	408.6	359.1	319.7
75°	327.7	255.4	213.4
80°	259.3	179.2	120.8
85°	203.3	105.8	39.4
90°	156.9	67.9	9.6
95°	116.4	34.2	17.4
100°	86.3	22.0	1.3
105°	63.0	20.2	2.1
110°	46.4	12.4	4.1
115°	45.1	14.3	4.4
120°	28.8	11.9	7.5
125°	9.1	17.4	5.7
130°	2.6	4.4	3.9
135°	14.3	10.1	7.5
140°	14.5	9.3	8.6
145°	13.2	15.6	6.5
150°	9.1	13.5	0.0
155°	14.5	9.6	4.4
160°	7.5	6.7	4.7
165°	12.2	9.9	5.2
170°	12.4	5.7	5.2
175°	3.6	4.9	7.3
180°	7.4	7.4	7.4



Report Generated By 670246072 / DESKTOP-MV3F9LC





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











(END OF REPORT)