

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: P600850

Luminaire Tested: **4SLSTPSLC-347-HI-3500K**

Issue Date: 7/7/2022



Test Information

Test Method: LM-79-08
Report Number: P600850
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: 4SLSTPSLC-347-HI-3500K
Description: G3 4ft 4SLSTPSLC-347 45W at 3500K
Light Source: -
Ballast/Driver: -

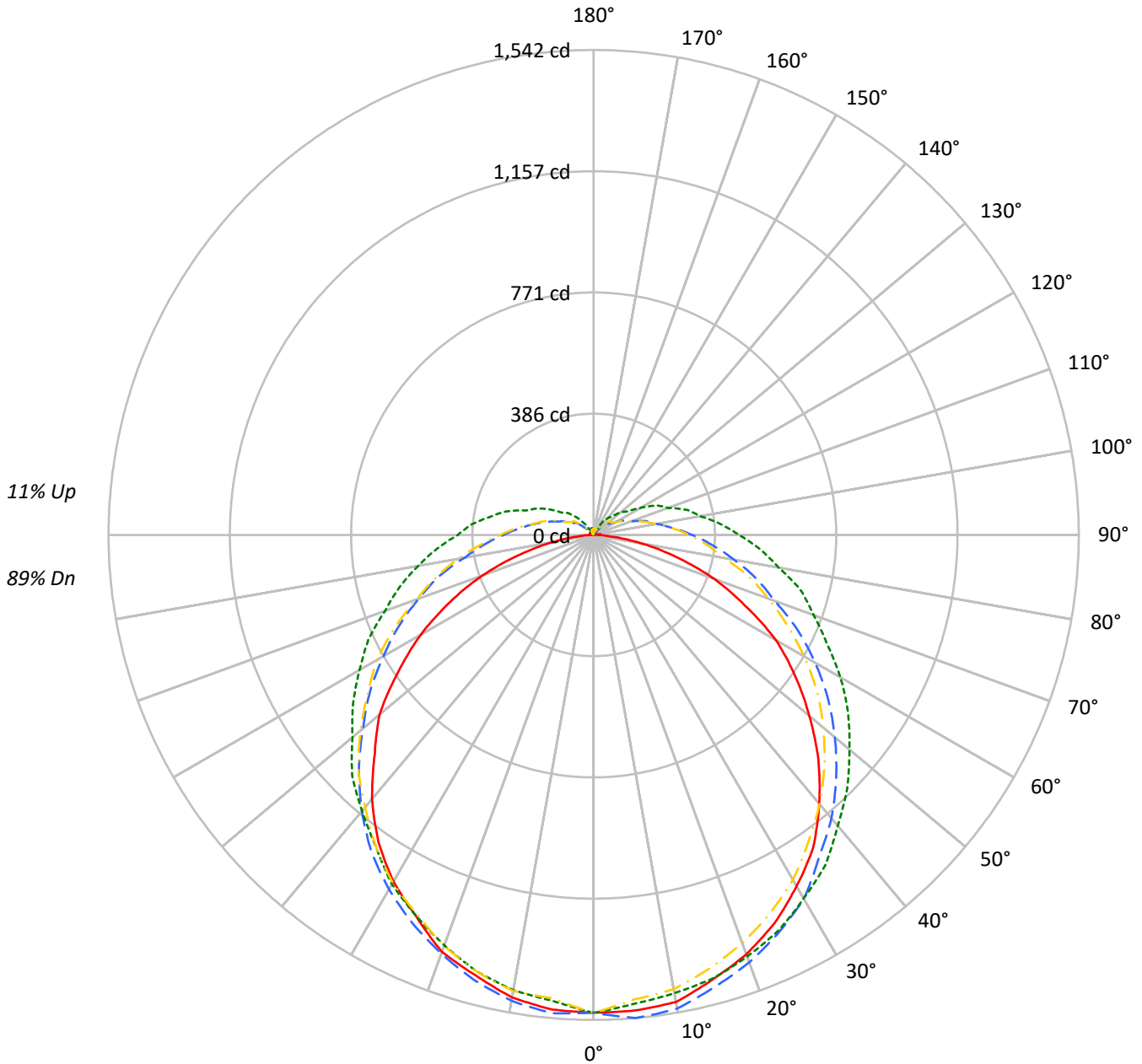
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5735.8 lumens
Efficiency: N/A
Efficacy: 121.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.28 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.22' x L: 4' x H: 0.22')
CIE Type: Semi-Direct

Input Watts (W): 47.2
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	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°	18965	18965	18965	18965
5°	18930	17235	18893	17133
10°	18934	15937	18751	15830
15°	18644	14877	18472	14636
20°	18488	13887	18381	13512
25°	18292	13033	17965	12537
30°	18033	12185	17790	11708
35°	17856	11487	17514	10813
40°	17394	10683	17082	10135
45°	16919	10046	16479	9564
50°	16325	9387	16218	8855
55°	15799	8835	15312	8353
60°	15274	8263	14486	7833
65°	14035	7666	13297	7410
70°	12891	7225	11918	6854
75°	10865	6937	9730	6492
80°	8435	6409	7296	6085
85°	4427	6116	3869	5731



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.7	2.5
10°-20°	412.4	7.2
20°-30°	628.5	11.0
30°-40°	768.8	13.4
40°-50°	819.0	14.3
50°-60°	781.5	13.6
60°-70°	672.6	11.7
70°-80°	518.0	9.0
80°-90°	361.6	6.3
90°-100°	246.2	4.3
100°-110°	163.8	2.9
110°-120°	102.8	1.8
120°-130°	61.0	1.1
130°-140°	31.6	0.6
140°-150°	12.4	0.2
150°-160°	6.8	0.1
160°-170°	4.0	0.1
170°-180°	1.0	0.0
0°-30°	1184.6	20.7
0°-40°	1953.4	34.1
0°-60°	3553.9	62.0
0°-90°	5106.1	89.0
90°-120°	512.8	8.9
90°-150°	617.8	10.8
90°-180°	630.0	11.0
0°-180°	5735.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1519	1519	1519	1519	1519	
5°	1518	1496	1515	1487	1518	145
15°	1463	1460	1450	1437	1463	414
25°	1361	1389	1337	1336	1361	627
35°	1216	1283	1193	1208	1216	758
45°	1010	1140	984	1085	1010	779
55°	782	987	758	934	782	700
65°	530	818	502	790	530	528
75°	271	682	242	638	271	290
85°	50	532	44	499	50	66
90°	12	462	5	432	12	13
95°	22	404	0	388	22	8
105°	3	308	6	289	3	3
115°	6	222	11	199	6	6
125°	7	130	6	124	7	6
135°	10	83	6	82	10	7
145°	8	54	8	7	8	4
155°	6	4	3	11	6	2
165°	7	15	9	19	7	2
175°	9	5	5	12	9	1
180°	9	9	9	9	9	



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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	1519.1	1519.1	1519.1	1519.1	1519.1	1519.1	1519.1	1519.1	1519.1	1519.1	1519.1
5°	1517.7	1530.8	1492.7	1542.0	1537.1	1520.0	1496.0	1502.5	1506.8	1482.5	1513.4
10°	1507.8	1505.5	1473.6	1529.5	1517.3	1502.5	1479.5	1492.0	1486.1	1466.4	1499.2
15°	1463.4	1482.1	1455.8	1487.7	1489.0	1484.8	1460.4	1458.8	1453.5	1426.2	1465.4
20°	1419.0	1429.8	1412.1	1446.3	1454.8	1455.5	1426.9	1422.3	1411.4	1381.2	1405.2
25°	1361.4	1371.6	1356.5	1393.7	1396.0	1399.9	1388.7	1359.8	1360.1	1326.9	1342.3
30°	1290.0	1300.9	1287.1	1336.8	1341.7	1340.7	1334.8	1316.4	1306.5	1266.4	1282.8
35°	1216.0	1217.7	1227.9	1249.3	1271.3	1284.5	1283.1	1257.2	1241.4	1190.4	1186.8
40°	1115.7	1121.6	1141.4	1175.9	1191.7	1204.9	1207.2	1191.7	1162.1	1117.0	1102.9
45°	1010.1	1017.0	1056.2	1090.4	1116.4	1143.0	1139.7	1118.3	1092.0	1037.1	1009.5
50°	894.7	908.8	956.2	1000.9	1038.1	1053.9	1061.1	1043.4	1007.8	952.9	897.6
55°	781.9	794.7	860.1	909.5	947.6	982.2	987.4	961.1	920.3	866.4	793.0
60°	669.0	680.5	740.7	812.8	859.8	902.6	905.9	889.7	824.9	772.0	697.0
65°	530.2	575.6	638.1	715.1	769.4	831.9	817.7	803.6	751.9	678.2	587.5
70°	405.6	449.6	529.6	610.8	696.0	743.0	743.4	731.5	675.9	589.8	498.0
75°	270.7	341.8	436.8	534.5	616.1	665.1	682.2	655.2	584.8	510.2	397.7
80°	153.3	215.1	342.1	453.3	532.9	579.9	596.3	582.9	506.9	418.7	321.7
85°	50.0	148.3	263.8	379.6	465.4	523.0	532.2	501.0	450.3	361.8	238.1
90°	12.2	85.2	199.3	313.5	394.4	446.7	462.1	445.4	387.8	302.6	182.9
95°	22.0	60.5	156.9	250.3	340.1	382.5	403.6	393.1	332.2	250.0	150.6
100°	1.6	25.0	115.5	203.6	285.2	330.6	343.4	340.8	285.8	201.3	109.2
105°	2.6	35.5	80.3	171.0	233.9	291.8	307.9	285.2	233.5	162.2	72.0
110°	5.3	18.4	53.6	125.6	200.0	241.8	251.0	240.8	197.0	129.9	61.2
115°	5.6	15.1	53.9	108.5	153.6	197.4	222.0	186.8	148.0	105.3	55.6
120°	9.5	16.1	41.8	83.9	133.9	142.1	171.4	158.5	121.0	81.6	45.7
125°	7.2	13.8	39.5	65.5	94.4	124.7	130.3	126.0	103.6	69.4	33.2
130°	4.9	16.4	26.3	49.0	87.2	110.8	111.5	103.9	82.6	68.4	17.8
135°	9.5	14.5	20.1	39.1	72.0	82.6	83.2	84.2	69.1	50.3	14.1
140°	10.9	13.5	14.1	19.4	46.7	64.5	68.7	58.9	60.2	29.6	15.8
145°	8.2	15.8	23.4	12.8	24.3	50.3	53.9	56.6	37.5	9.9	21.1
150°	0.0	14.1	26.3	16.1	14.8	11.2	16.4	14.8	8.6	18.4	28.3
155°	5.6	4.9	22.4	16.1	17.8	7.9	3.9	13.2	12.2	19.4	22.0
160°	5.9	6.2	8.6	10.2	18.4	18.7	20.7	29.6	19.1	22.4	8.6
165°	6.6	11.5	7.2	9.5	20.4	10.9	15.1	23.7	15.5	8.6	15.8
170°	6.6	12.5	2.6	3.6	10.2	7.6	18.7	12.2	16.8	10.9	7.6
175°	9.2	12.8	9.2	8.2	17.1	13.8	4.6	1.0	9.9	21.4	0.0
180°	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4



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CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	1519.1	1519.1	1519.1	1519.1	1519.1	1519.1	1519.1	1519.1	1519.1	1519.1	1519.1
5°	1498.9	1514.7	1527.9	1503.9	1526.5	1529.2	1527.2	1487.1	1505.8	1502.9	1479.2
10°	1491.0	1493.3	1500.6	1474.6	1504.2	1507.5	1511.7	1469.6	1484.8	1489.7	1472.3
15°	1444.3	1449.9	1471.3	1438.4	1465.4	1472.9	1472.9	1436.8	1455.8	1446.0	1437.7
20°	1414.1	1410.8	1420.0	1396.0	1416.4	1419.3	1437.1	1388.4	1420.0	1417.0	1390.4
25°	1345.6	1337.1	1345.6	1345.6	1362.7	1373.6	1387.4	1335.8	1371.3	1361.8	1330.5
30°	1283.1	1272.6	1275.6	1280.2	1301.2	1307.2	1333.8	1282.5	1313.7	1302.5	1276.9
35°	1199.6	1192.7	1190.4	1209.8	1231.5	1235.4	1263.4	1207.8	1247.3	1226.2	1207.8
40°	1095.7	1095.7	1100.3	1128.9	1146.0	1169.0	1198.9	1145.3	1179.2	1157.5	1129.5
45°	1003.9	983.8	981.5	1028.6	1055.2	1083.8	1113.7	1085.1	1106.2	1074.9	1057.8
50°	887.8	888.8	871.0	915.7	956.8	999.3	1028.9	1000.9	1024.9	1003.2	967.0
55°	771.7	757.8	753.2	817.4	867.7	924.0	943.7	933.5	945.0	931.8	875.3
60°	650.0	634.5	646.3	715.7	771.3	838.4	866.7	858.8	848.6	829.9	795.0
65°	532.9	502.3	530.2	609.5	682.2	748.3	779.6	790.4	777.6	750.6	697.0
70°	401.9	375.0	413.1	497.7	589.8	657.5	694.4	705.2	697.7	661.8	598.0
75°	286.5	242.4	301.3	406.6	509.2	574.6	621.0	638.4	620.0	592.1	517.7
80°	195.4	132.6	201.6	317.1	416.1	502.9	545.7	566.1	549.6	502.6	436.5
85°	125.3	43.7	125.0	235.5	348.0	435.5	477.6	498.7	483.2	442.4	360.5
90°	67.8	4.9	80.3	183.9	286.2	363.5	422.3	431.6	419.1	368.4	297.3
95°	46.7	0.3	46.4	128.9	235.8	314.8	361.5	388.5	370.7	318.4	245.1
100°	28.9	11.8	28.9	102.3	195.1	266.4	308.2	332.9	313.1	264.5	197.4
105°	25.7	6.2	27.0	83.2	158.5	215.8	262.2	288.8	268.1	227.9	166.1
110°	19.1	3.0	13.8	61.8	124.0	191.4	216.8	226.6	225.0	185.8	133.5
115°	15.5	10.9	0.0	54.6	101.6	152.3	174.7	199.3	188.8	148.7	95.4
120°	11.8	13.8	12.8	30.6	74.3	124.0	143.1	162.5	143.1	127.3	81.6
125°	18.1	5.9	21.4	9.5	68.1	106.9	124.0	123.7	124.7	103.0	76.3
130°	10.9	1.6	22.7	5.3	30.3	78.0	98.3	109.2	102.6	83.5	45.1
135°	13.8	5.6	13.5	16.1	13.2	49.0	86.8	81.9	87.2	61.8	8.6
140°	5.6	4.6	14.8	13.5	9.9	7.6	24.0	52.6	31.9	1.0	6.2
145°	20.1	7.9	18.4	24.7	12.8	17.1	13.8	6.6	16.1	0.3	2.0
150°	15.5	0.0	12.5	26.0	14.8	7.2	3.0	2.6	0.0	5.9	12.5
155°	14.1	2.6	23.4	24.3	15.5	28.6	17.8	11.2	18.1	20.7	16.1
160°	15.5	7.6	12.2	21.4	22.7	20.1	24.7	21.7	17.1	20.1	16.4
165°	19.7	8.9	6.2	19.4	18.4	18.4	15.8	19.4	14.1	18.4	6.6
170°	10.9	10.9	18.7	10.9	21.7	17.1	21.4	12.2	11.8	10.2	12.2
175°	7.9	4.9	11.8	8.9	12.8	10.5	15.1	12.5	13.5	9.5	19.4
180°	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4



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CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	1519.1	1519.1	1519.1
5°	1519.3	1505.5	1517.7
10°	1492.0	1492.0	1507.8
15°	1456.5	1469.0	1463.4
20°	1416.4	1420.6	1419.0
25°	1363.7	1363.7	1361.4
30°	1294.3	1297.6	1290.0
35°	1223.3	1220.0	1216.0
40°	1125.3	1127.6	1115.7
45°	1035.8	1037.4	1010.1
50°	934.5	925.6	894.7
55°	827.9	812.1	781.9
60°	726.3	682.5	669.0
65°	625.6	567.1	530.2
70°	518.4	455.6	405.6
75°	415.8	324.0	270.7
80°	328.9	227.3	153.3
85°	257.9	134.2	50.0
90°	199.0	86.2	12.2
95°	147.7	43.4	22.0
100°	109.5	28.0	1.6
105°	79.9	25.7	2.6
110°	58.9	15.8	5.3
115°	57.2	18.1	5.6
120°	36.5	15.1	9.5
125°	11.5	22.0	7.2
130°	3.3	5.6	4.9
135°	18.1	12.8	9.5
140°	18.4	11.8	10.9
145°	16.8	19.7	8.2
150°	11.5	17.1	0.0
155°	18.4	12.2	5.6
160°	9.5	8.6	5.9
165°	15.5	12.5	6.6
170°	15.8	7.2	6.6
175°	4.6	6.2	9.2
180°	9.4	9.4	9.4



Report Generated By 670246072 / DESKTOP-MV3F9LC





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











(END OF REPORT)