

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: P600852

Luminaire Tested: **4SLSTPSLC-347-HI-5000K**

Issue Date: 7/7/2022



Test Information

Test Method: LM-79-08
Report Number: P600852
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-5000K
Description: G3 4ft 4SLSTPSLC-347 45W at 5000K
Light Source: -
Ballast/Driver: -

Summary

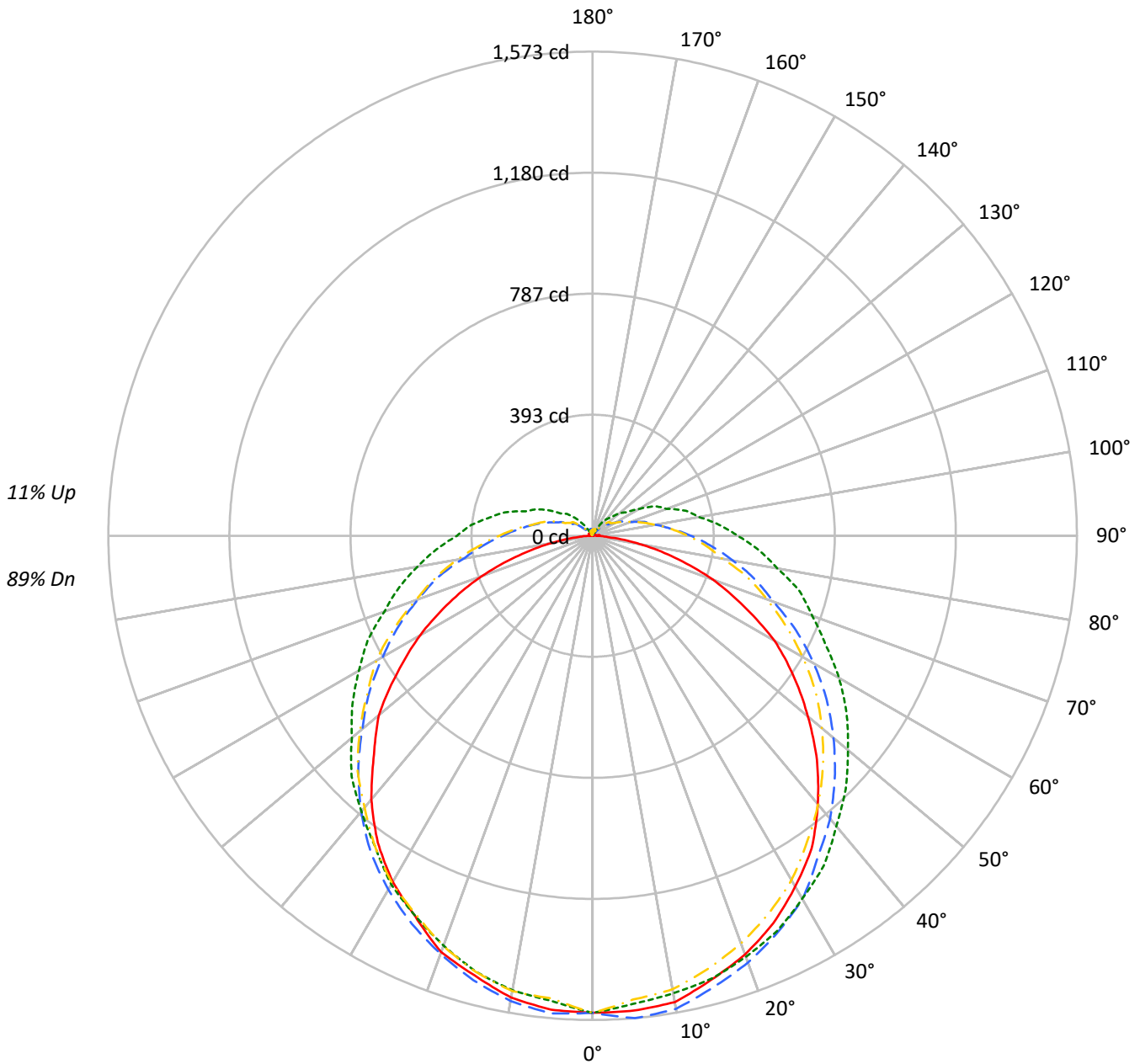
Lumens per Lamp: N/A
Luminaire Lumens: 5851.6 lumens
Efficiency: N/A
Efficacy: 124.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.28 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.22' x L: 4' x H: 0.22')
CIE Type: Semi-Direct

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				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	67	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°	19347	19347	19347	19347
5°	19312	17583	19274	17478
10°	19315	16259	19131	16150
15°	19020	15177	18845	14932
20°	18861	14167	18753	13785
25°	18661	13297	18328	12789
30°	18398	12431	18149	11944
35°	18218	11720	17868	11031
40°	17744	10898	17426	10339
45°	17261	10248	16812	9757
50°	16654	9577	16544	9033
55°	16116	9014	15621	8521
60°	15582	8430	14778	7992
65°	14319	7820	13564	7560
70°	13151	7371	12156	6992
75°	11086	7078	9926	6623
80°	8606	6540	7439	6207
85°	4515	6239	3949	5846



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.6	2.5
10°-20°	420.7	7.2
20°-30°	641.2	11.0
30°-40°	784.3	13.4
40°-50°	835.5	14.3
50°-60°	797.3	13.6
60°-70°	686.2	11.7
70°-80°	528.4	9.0
80°-90°	368.9	6.3
90°-100°	251.1	4.3
100°-110°	167.1	2.9
110°-120°	104.9	1.8
120°-130°	62.2	1.1
130°-140°	32.3	0.6
140°-150°	12.7	0.2
150°-160°	6.9	0.1
160°-170°	4.1	0.1
170°-180°	1.1	0.0
0°-30°	1208.6	20.7
0°-40°	1992.9	34.1
0°-60°	3625.7	62.0
0°-90°	5209.2	89.0
90°-120°	523.1	8.9
90°-150°	630.3	10.8
90°-180°	642.0	11.0
0°-180°	5851.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1550	1550	1550	1550	1550	
5°	1548	1526	1545	1517	1548	147
15°	1493	1490	1479	1466	1493	422
25°	1389	1417	1364	1363	1389	640
35°	1241	1309	1217	1232	1241	773
45°	1030	1163	1004	1107	1030	794
55°	798	1007	773	952	798	714
65°	541	834	512	806	541	539
75°	276	696	247	651	276	296
85°	51	543	45	509	51	68
90°	12	472	5	440	12	13
95°	22	412	0	396	22	8
105°	3	314	6	295	3	3
115°	6	226	11	203	6	7
125°	7	133	6	126	7	7
135°	10	85	6	84	10	7
145°	8	55	8	7	8	4
155°	6	4	3	11	6	2
165°	7	15	9	20	7	2
175°	9	5	5	13	9	1
180°	10	10	10	10	10	



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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	1549.7	1549.7	1549.7	1549.7	1549.7	1549.7	1549.7	1549.7	1549.7	1549.7	1549.7
5°	1548.3	1561.7	1522.8	1573.1	1568.1	1550.7	1526.2	1532.9	1537.2	1512.4	1543.9
10°	1538.2	1535.9	1503.3	1560.4	1548.0	1532.9	1509.4	1522.1	1516.1	1496.0	1529.5
15°	1492.9	1512.1	1485.2	1517.8	1519.1	1514.8	1489.9	1488.2	1482.9	1455.0	1495.0
20°	1447.6	1458.7	1440.6	1475.5	1484.2	1484.9	1455.7	1451.0	1439.9	1409.1	1433.5
25°	1388.9	1399.3	1383.9	1421.8	1424.2	1428.2	1416.8	1387.2	1387.6	1353.7	1369.5
30°	1316.1	1327.2	1313.1	1363.7	1368.8	1367.8	1361.7	1342.9	1332.9	1291.9	1308.7
35°	1240.6	1242.3	1252.7	1274.5	1297.0	1310.4	1309.1	1282.5	1266.4	1214.4	1210.7
40°	1138.2	1144.3	1164.4	1199.7	1215.8	1229.2	1231.5	1215.8	1185.6	1139.6	1125.2
45°	1030.5	1037.6	1077.5	1112.4	1138.9	1166.1	1162.7	1140.9	1114.1	1058.0	1029.9
50°	912.7	927.2	975.5	1021.1	1059.1	1075.2	1082.5	1064.4	1028.2	972.1	915.8
55°	797.6	810.7	877.5	927.8	966.8	1002.0	1007.4	980.5	938.9	883.9	809.1
60°	682.5	694.3	755.7	829.2	877.2	920.8	924.2	907.7	841.6	787.6	711.1
65°	540.9	587.2	651.0	729.5	784.9	848.7	834.2	819.8	767.1	691.9	599.3
70°	413.8	458.7	540.3	623.2	710.1	758.0	758.4	746.3	689.6	601.7	508.0
75°	276.2	348.7	445.6	545.3	628.5	678.5	696.0	668.5	596.6	520.5	405.7
80°	156.4	219.5	349.0	462.4	543.6	591.6	608.4	594.6	517.1	427.2	328.2
85°	51.0	151.3	269.1	387.2	474.8	533.6	542.9	511.1	459.4	369.1	243.0
90°	12.4	86.9	203.4	319.8	402.3	455.7	471.5	454.4	395.6	308.7	186.6
95°	22.5	61.7	160.1	255.4	347.0	390.3	411.7	401.0	338.9	255.0	153.7
100°	1.7	25.5	117.8	207.7	290.9	337.2	350.3	347.6	291.6	205.4	111.4
105°	2.7	36.2	81.9	174.5	238.6	297.6	314.1	290.9	238.3	165.4	73.5
110°	5.4	18.8	54.7	128.2	204.0	246.6	256.0	245.6	201.0	132.5	62.4
115°	5.7	15.4	55.0	110.7	156.7	201.3	226.5	190.6	151.0	107.4	56.7
120°	9.7	16.4	42.6	85.6	136.6	145.0	174.8	161.7	123.5	83.2	46.6
125°	7.4	14.1	40.3	66.8	96.3	127.2	132.9	128.5	105.7	70.8	33.9
130°	5.0	16.8	26.8	50.0	88.9	113.1	113.8	106.0	84.2	69.8	18.1
135°	9.7	14.8	20.5	39.9	73.5	84.2	84.9	85.9	70.5	51.3	14.4
140°	11.1	13.8	14.4	19.8	47.7	65.8	70.1	60.1	61.4	30.2	16.1
145°	8.4	16.1	23.8	13.1	24.8	51.3	55.0	57.7	38.3	10.1	21.5
150°	0.0	14.4	26.8	16.4	15.1	11.4	16.8	15.1	8.7	18.8	28.9
155°	5.7	5.0	22.8	16.4	18.1	8.1	4.0	13.4	12.4	19.8	22.5
160°	6.0	6.4	8.7	10.4	18.8	19.1	21.1	30.2	19.5	22.8	8.7
165°	6.7	11.7	7.4	9.7	20.8	11.1	15.4	24.2	15.8	8.7	16.1
170°	6.7	12.8	2.7	3.7	10.4	7.7	19.1	12.4	17.1	11.1	7.7
175°	9.4	13.1	9.4	8.4	17.4	14.1	4.7	1.0	10.1	21.8	0.0
180°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6



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CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	1549.7	1549.7	1549.7	1549.7	1549.7	1549.7	1549.7	1549.7	1549.7	1549.7	1549.7
5°	1529.2	1545.3	1558.7	1534.2	1557.4	1560.1	1558.0	1517.1	1536.2	1533.2	1509.1
10°	1521.1	1523.5	1530.9	1504.4	1534.6	1537.9	1542.3	1499.3	1514.8	1519.8	1502.0
15°	1473.5	1479.2	1501.0	1467.4	1495.0	1502.7	1502.7	1465.8	1485.2	1475.2	1466.8
20°	1442.6	1439.3	1448.6	1424.2	1445.0	1448.0	1466.1	1416.4	1448.6	1445.6	1418.4
25°	1372.8	1364.1	1372.8	1372.8	1390.3	1401.3	1415.4	1362.7	1399.0	1389.3	1357.4
30°	1309.1	1298.3	1301.3	1306.0	1327.5	1333.5	1360.7	1308.4	1340.3	1328.9	1302.7
35°	1223.8	1216.8	1214.4	1234.2	1256.4	1260.4	1288.9	1232.2	1272.5	1251.0	1232.2
40°	1117.8	1117.8	1122.5	1151.7	1169.1	1192.6	1223.1	1168.4	1203.0	1180.9	1152.3
45°	1024.2	1003.7	1001.3	1049.3	1076.5	1105.7	1136.2	1107.0	1128.5	1096.6	1079.2
50°	905.7	906.7	888.6	934.2	976.2	1019.5	1049.7	1021.1	1045.6	1023.5	986.6
55°	787.2	773.1	768.5	833.9	885.2	942.6	962.7	952.3	964.1	950.7	892.9
60°	663.1	647.3	659.4	730.2	786.9	855.4	884.2	876.2	865.8	846.6	811.1
65°	543.6	512.4	540.9	621.8	696.0	763.4	795.3	806.4	793.3	765.8	711.1
70°	410.1	382.5	421.5	507.7	601.7	670.8	708.4	719.5	711.7	675.2	610.1
75°	292.3	247.3	307.4	414.8	519.5	586.2	633.6	651.3	632.5	604.0	528.2
80°	199.3	135.2	205.7	323.5	424.5	513.1	556.7	577.5	560.7	512.7	445.3
85°	127.9	44.6	127.5	240.3	355.0	444.3	487.2	508.7	492.9	451.3	367.8
90°	69.1	5.0	81.9	187.6	291.9	370.8	430.9	440.3	427.5	375.8	303.4
95°	47.7	0.3	47.3	131.5	240.6	321.1	368.8	396.3	378.2	324.8	250.0
100°	29.5	12.1	29.5	104.4	199.0	271.8	314.4	339.6	319.5	269.8	201.3
105°	26.2	6.4	27.5	84.9	161.7	220.1	267.4	294.6	273.5	232.5	169.5
110°	19.5	3.0	14.1	63.1	126.5	195.3	221.1	231.2	229.5	189.6	136.2
115°	15.8	11.1	0.0	55.7	103.7	155.4	178.2	203.4	192.6	151.7	97.3
120°	12.1	14.1	13.1	31.2	75.8	126.5	146.0	165.8	146.0	129.9	83.2
125°	18.5	6.0	21.8	9.7	69.5	109.1	126.5	126.2	127.2	105.0	77.9
130°	11.1	1.7	23.2	5.4	30.9	79.5	100.3	111.4	104.7	85.2	46.0
135°	14.1	5.7	13.8	16.4	13.4	50.0	88.6	83.6	88.9	63.1	8.7
140°	5.7	4.7	15.1	13.8	10.1	7.7	24.5	53.7	32.5	1.0	6.4
145°	20.5	8.1	18.8	25.2	13.1	17.4	14.1	6.7	16.4	0.3	2.0
150°	15.8	0.0	12.8	26.5	15.1	7.4	3.0	2.7	0.0	6.0	12.8
155°	14.4	2.7	23.8	24.8	15.8	29.2	18.1	11.4	18.5	21.1	16.4
160°	15.8	7.7	12.4	21.8	23.2	20.5	25.2	22.1	17.4	20.5	16.8
165°	20.1	9.1	6.4	19.8	18.8	18.8	16.1	19.8	14.4	18.8	6.7
170°	11.1	11.1	19.1	11.1	22.1	17.4	21.8	12.4	12.1	10.4	12.4
175°	8.1	5.0	12.1	9.1	13.1	10.7	15.4	12.8	13.8	9.7	19.8
180°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6



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CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	1549.7	1549.7	1549.7
5°	1550.0	1535.9	1548.3
10°	1522.1	1522.1	1538.2
15°	1485.9	1498.6	1492.9
20°	1445.0	1449.3	1447.6
25°	1391.3	1391.3	1388.9
30°	1320.5	1323.8	1316.1
35°	1248.0	1244.6	1240.6
40°	1148.0	1150.3	1138.2
45°	1056.7	1058.4	1030.5
50°	953.3	944.3	912.7
55°	844.6	828.5	797.6
60°	740.9	696.3	682.5
65°	638.3	578.5	540.9
70°	528.9	464.8	413.8
75°	424.2	330.5	276.2
80°	335.6	231.9	156.4
85°	263.1	136.9	51.0
90°	203.0	87.9	12.4
95°	150.7	44.3	22.5
100°	111.7	28.5	1.7
105°	81.5	26.2	2.7
110°	60.1	16.1	5.4
115°	58.4	18.5	5.7
120°	37.2	15.4	9.7
125°	11.7	22.5	7.4
130°	3.4	5.7	5.0
135°	18.5	13.1	9.7
140°	18.8	12.1	11.1
145°	17.1	20.1	8.4
150°	11.7	17.4	0.0
155°	18.8	12.4	5.7
160°	9.7	8.7	6.0
165°	15.8	12.8	6.7
170°	16.1	7.4	6.7
175°	4.7	6.4	9.4
180°	9.6	9.6	9.6



Report Generated By 670246072 / DESKTOP-MV3F9LC





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











(END OF REPORT)