

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: P600851

Luminaire Tested: **4SLSTPSLC-347-HI-4000K**

Issue Date: 7/7/2022



Test Information

Test Method: LM-79-08
Report Number: P600851
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-4000K
Description: G3 4ft 4SLSTPSLC-347 45W at 4000K
Light Source: -
Ballast/Driver: -

Summary

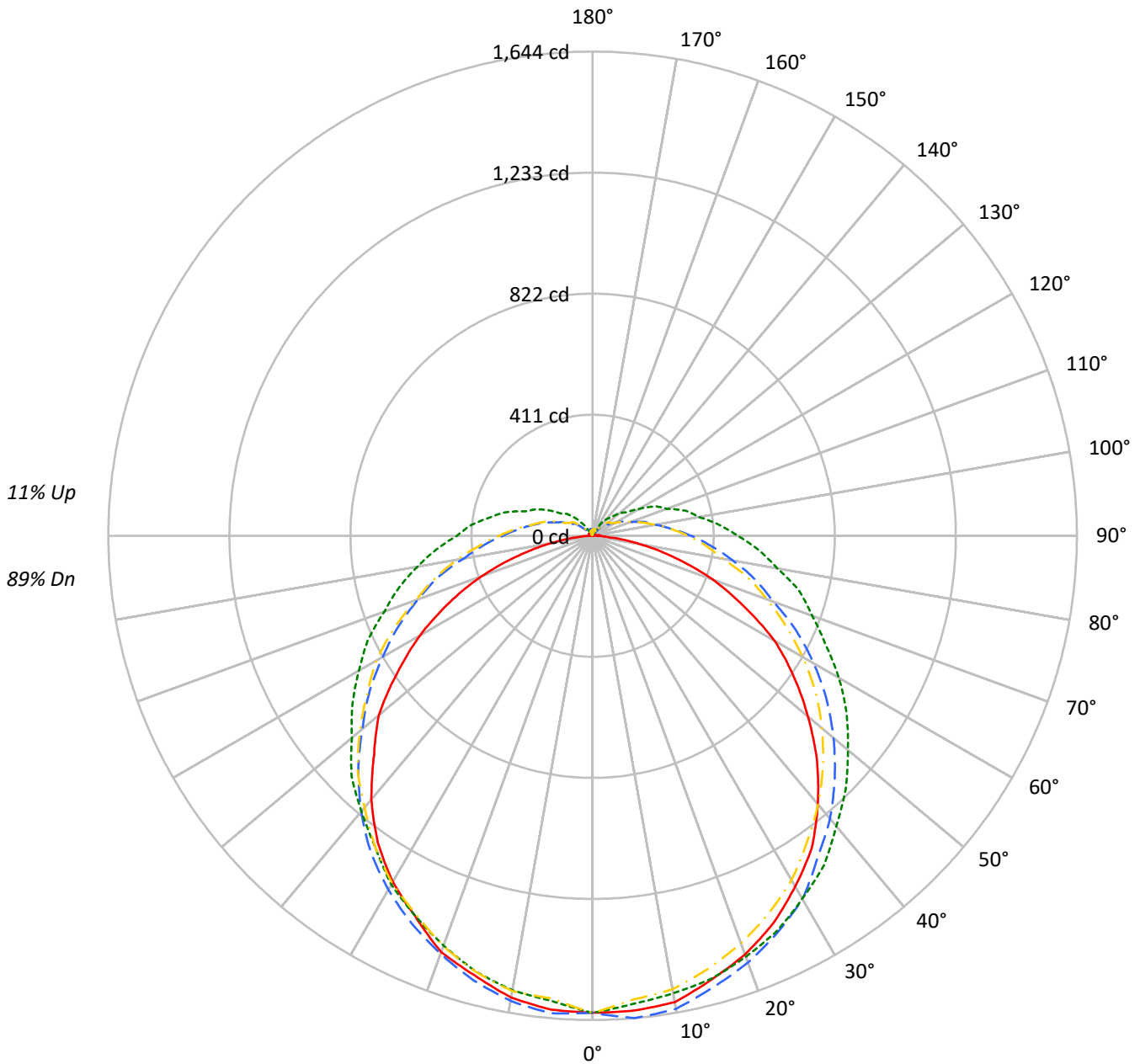
Lumens per Lamp: N/A
Luminaire Lumens: 6115.4 lumens
Efficiency: N/A
Efficacy: 132.7 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.28 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.22' x L: 4' x H: 0.22')
CIE Type: Semi-Direct

Input Watts (W): 46.1
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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CATALOG NUMBER: 4SLSTPSLC-347-HI-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°	20219	20219	20219	20219
5°	20182	18375	20142	18266
10°	20187	16991	19992	16878
15°	19877	15862	19694	15604
20°	19712	14806	19597	14407
25°	19503	13896	19155	13366
30°	19227	12991	18967	12482
35°	19039	12247	18673	11528
40°	18544	11389	18212	10806
45°	18040	10710	17569	10197
50°	17405	10008	17290	9441
55°	16843	9420	16326	8906
60°	16285	8809	15445	8353
65°	14964	8173	14176	7900
70°	13742	7703	12706	7307
75°	11584	7396	10376	6922
80°	8991	6834	7775	6487
85°	4719	6520	4126	6109



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.2	2.5
10°-20°	439.7	7.2
20°-30°	670.1	11.0
30°-40°	819.7	13.4
40°-50°	873.2	14.3
50°-60°	833.3	13.6
60°-70°	717.1	11.7
70°-80°	552.3	9.0
80°-90°	385.5	6.3
90°-100°	262.5	4.3
100°-110°	174.7	2.9
110°-120°	109.6	1.8
120°-130°	65.0	1.1
130°-140°	33.7	0.6
140°-150°	13.3	0.2
150°-160°	7.3	0.1
160°-170°	4.3	0.1
170°-180°	1.1	0.0
0°-30°	1263.0	20.7
0°-40°	2082.7	34.1
0°-60°	3789.1	62.0
0°-90°	5444.0	89.0
90°-120°	546.7	8.9
90°-150°	658.7	10.8
90°-180°	671.0	11.0
0°-180°	6115.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1620	1620	1620	1620	1620	
5°	1618	1595	1615	1586	1618	154
15°	1560	1557	1546	1532	1560	441
25°	1452	1481	1426	1424	1452	669
35°	1296	1368	1272	1288	1296	808
45°	1077	1215	1049	1157	1077	830
55°	834	1053	808	995	834	746
65°	565	872	536	843	565	563
75°	289	727	258	681	289	309
85°	53	567	47	532	53	71
90°	13	493	5	460	13	14
95°	24	430	0	414	24	8
105°	3	328	7	308	3	3
115°	6	237	12	212	6	7
125°	8	139	6	132	8	7
135°	10	89	6	87	10	7
145°	9	58	8	7	9	5
155°	6	4	3	12	6	2
165°	7	16	10	21	7	2
175°	10	5	5	13	10	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°	1619.6	1619.6	1619.6	1619.6	1619.6	1619.6	1619.6	1619.6	1619.6	1619.6	1619.6
5°	1618.1	1632.1	1591.4	1644.0	1638.8	1620.5	1594.9	1602.0	1606.5	1580.6	1613.5
10°	1607.6	1605.1	1571.1	1630.7	1617.7	1602.0	1577.4	1590.7	1584.4	1563.4	1598.5
15°	1560.2	1580.2	1552.2	1586.2	1587.6	1583.0	1557.1	1555.3	1549.7	1520.6	1562.3
20°	1512.9	1524.5	1505.5	1542.0	1551.1	1551.8	1521.3	1516.4	1504.8	1472.6	1498.2
25°	1451.5	1462.4	1446.3	1485.9	1488.3	1492.5	1480.6	1449.8	1450.1	1414.7	1431.2
30°	1375.4	1387.0	1372.3	1425.2	1430.5	1429.4	1423.1	1403.5	1392.9	1350.2	1367.7
35°	1296.5	1298.3	1309.1	1331.9	1355.4	1369.4	1368.0	1340.3	1323.5	1269.2	1265.3
40°	1189.5	1195.9	1216.9	1253.7	1270.6	1284.6	1287.0	1270.6	1239.0	1190.9	1175.9
45°	1077.0	1084.3	1126.1	1162.5	1190.2	1218.7	1215.1	1192.4	1164.3	1105.7	1076.3
50°	953.9	969.0	1019.5	1067.2	1106.8	1123.6	1131.3	1112.4	1074.5	1016.0	957.0
55°	833.6	847.3	917.1	969.7	1010.3	1047.2	1052.8	1024.7	981.2	923.7	845.5
60°	713.3	725.6	789.8	866.6	916.7	962.3	965.8	948.6	879.5	823.1	743.1
65°	565.3	613.7	680.3	762.4	820.3	886.9	871.8	856.7	801.7	723.1	626.3
70°	432.4	479.4	564.6	651.2	742.1	792.2	792.6	779.9	720.7	628.8	530.9
75°	288.6	364.4	465.7	569.9	656.8	709.1	727.3	698.6	623.5	543.9	424.0
80°	163.4	229.4	364.7	483.3	568.1	618.3	635.8	621.4	540.4	446.4	343.0
85°	53.3	158.2	281.3	404.7	496.2	557.6	567.4	534.1	480.1	385.8	253.9
90°	13.0	90.8	212.5	334.2	420.5	476.2	492.7	474.8	413.5	322.6	195.0
95°	23.5	64.5	167.3	266.9	362.6	407.9	430.3	419.1	354.2	266.5	160.6
100°	1.8	26.7	123.1	217.1	304.0	352.4	366.1	363.3	304.8	214.6	116.4
105°	2.8	37.9	85.6	182.4	249.3	311.1	328.2	304.0	249.0	172.9	76.8
110°	5.6	19.6	57.2	134.0	213.2	257.8	267.6	256.7	210.1	138.5	65.2
115°	6.0	16.1	57.5	115.7	163.8	210.4	236.7	199.2	157.8	112.2	59.3
120°	10.2	17.2	44.5	89.4	142.7	151.5	182.7	169.0	129.1	87.0	48.7
125°	7.7	14.7	42.1	69.8	100.6	132.9	138.9	134.3	110.5	74.0	35.4
130°	5.3	17.5	28.1	52.3	92.9	118.2	118.9	110.8	88.0	72.9	18.9
135°	10.2	15.4	21.4	41.7	76.8	88.0	88.7	89.8	73.6	53.7	15.1
140°	11.6	14.4	15.1	20.7	49.8	68.7	73.3	62.8	64.2	31.6	16.8
145°	8.8	16.8	24.9	13.7	26.0	53.7	57.5	60.3	40.0	10.5	22.4
150°	0.0	15.1	28.1	17.2	15.8	11.9	17.5	15.8	9.1	19.6	30.2
155°	6.0	5.3	23.8	17.2	18.9	8.4	4.2	14.0	13.0	20.7	23.5
160°	6.3	6.7	9.1	10.9	19.6	20.0	22.1	31.6	20.3	23.8	9.1
165°	7.0	12.3	7.7	10.2	21.7	11.6	16.1	25.3	16.5	9.1	16.8
170°	7.0	13.3	2.8	3.9	10.9	8.1	20.0	13.0	17.9	11.6	8.1
175°	9.8	13.7	9.8	8.8	18.2	14.7	4.9	1.1	10.5	22.8	0.0
180°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0



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CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	1619.6	1619.6	1619.6	1619.6	1619.6	1619.6	1619.6	1619.6	1619.6	1619.6	1619.6
5°	1598.1	1614.9	1629.0	1603.4	1627.6	1630.4	1628.3	1585.5	1605.5	1602.3	1577.1
10°	1589.7	1592.1	1599.9	1572.1	1603.7	1607.2	1611.8	1566.9	1583.0	1588.3	1569.7
15°	1539.9	1545.8	1568.6	1533.6	1562.3	1570.4	1570.4	1531.8	1552.2	1541.6	1532.9
20°	1507.6	1504.1	1513.9	1488.3	1510.1	1513.2	1532.2	1480.3	1513.9	1510.8	1482.4
25°	1434.7	1425.6	1434.7	1434.7	1452.9	1464.5	1479.2	1424.2	1462.0	1451.9	1418.5
30°	1368.0	1356.8	1360.0	1364.9	1387.3	1393.6	1422.1	1367.3	1400.7	1388.7	1361.4
35°	1279.0	1271.6	1269.2	1289.8	1313.0	1317.2	1347.0	1287.7	1329.8	1307.4	1287.7
40°	1168.2	1168.2	1173.1	1203.6	1221.8	1246.4	1278.3	1221.1	1257.2	1234.1	1204.3
45°	1070.3	1048.9	1046.5	1096.6	1125.0	1155.5	1187.4	1156.9	1179.4	1146.1	1127.8
50°	946.5	947.6	928.6	976.3	1020.2	1065.4	1097.0	1067.2	1092.8	1069.6	1031.0
55°	822.7	808.0	803.1	871.5	925.1	985.1	1006.1	995.3	1007.5	993.5	933.2
60°	693.0	676.5	689.1	763.1	822.4	893.9	924.1	915.7	904.8	884.8	847.6
65°	568.1	535.5	565.3	649.8	727.3	797.8	831.1	842.7	829.0	800.3	743.1
70°	428.5	399.8	440.5	530.6	628.8	701.0	740.3	751.9	743.8	705.6	637.6
75°	305.5	258.5	321.2	433.5	542.9	612.7	662.1	680.7	661.1	631.2	552.0
80°	208.3	141.3	215.0	338.1	443.6	536.2	581.8	603.5	586.0	535.9	465.4
85°	133.6	46.6	133.3	251.1	371.0	464.3	509.2	531.6	515.2	471.7	384.4
90°	72.2	5.3	85.6	196.0	305.1	387.5	450.3	460.1	446.8	392.8	317.0
95°	49.8	0.4	49.4	137.5	251.4	335.6	385.4	414.2	395.2	339.5	261.3
100°	30.9	12.6	30.9	109.1	208.0	284.1	328.6	354.9	333.9	282.0	210.4
105°	27.4	6.7	28.8	88.7	169.0	230.1	279.5	307.9	285.8	243.0	177.1
110°	20.3	3.2	14.7	65.9	132.2	204.1	231.1	241.6	239.9	198.1	142.4
115°	16.5	11.6	0.0	58.2	108.4	162.4	186.2	212.5	201.3	158.5	101.7
120°	12.6	14.7	13.7	32.6	79.3	132.2	152.6	173.2	152.6	135.7	87.0
125°	19.3	6.3	22.8	10.2	72.6	114.0	132.2	131.9	132.9	109.8	81.4
130°	11.6	1.8	24.2	5.6	32.3	83.1	104.9	116.4	109.4	89.1	48.0
135°	14.7	6.0	14.4	17.2	14.0	52.3	92.6	87.3	92.9	65.9	9.1
140°	6.0	4.9	15.8	14.4	10.5	8.1	25.6	56.1	34.0	1.1	6.7
145°	21.4	8.4	19.6	26.3	13.7	18.2	14.7	7.0	17.2	0.4	2.1
150°	16.5	0.0	13.3	27.7	15.8	7.7	3.2	2.8	0.0	6.3	13.3
155°	15.1	2.8	24.9	26.0	16.5	30.5	18.9	11.9	19.3	22.1	17.2
160°	16.5	8.1	13.0	22.8	24.2	21.4	26.3	23.1	18.2	21.4	17.5
165°	21.0	9.5	6.7	20.7	19.6	19.6	16.8	20.7	15.1	19.6	7.0
170°	11.6	11.6	20.0	11.6	23.1	18.2	22.8	13.0	12.6	10.9	13.0
175°	8.4	5.3	12.6	9.5	13.7	11.2	16.1	13.3	14.4	10.2	20.7
180°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0



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CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	1619.6	1619.6	1619.6
5°	1619.8	1605.1	1618.1
10°	1590.7	1590.7	1607.6
15°	1552.9	1566.2	1560.2
20°	1510.1	1514.6	1512.9
25°	1454.0	1454.0	1451.5
30°	1380.0	1383.5	1375.4
35°	1304.2	1300.7	1296.5
40°	1199.7	1202.2	1189.5
45°	1104.3	1106.1	1077.0
50°	996.3	986.8	953.9
55°	882.7	865.9	833.6
60°	774.3	727.7	713.3
65°	667.0	604.6	565.3
70°	552.7	485.7	432.4
75°	443.3	345.4	288.6
80°	350.7	242.3	163.4
85°	274.9	143.1	53.3
90°	212.2	91.9	13.0
95°	157.5	46.3	23.5
100°	116.8	29.8	1.8
105°	85.2	27.4	2.8
110°	62.8	16.8	5.6
115°	61.0	19.3	6.0
120°	38.9	16.1	10.2
125°	12.3	23.5	7.7
130°	3.5	6.0	5.3
135°	19.3	13.7	10.2
140°	19.6	12.6	11.6
145°	17.9	21.0	8.8
150°	12.3	18.2	0.0
155°	19.6	13.0	6.0
160°	10.2	9.1	6.3
165°	16.5	13.3	7.0
170°	16.8	7.7	7.0
175°	4.9	6.7	9.8
180°	10.0	10.0	10.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





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











(END OF REPORT)