

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: P600861

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

Issue Date: 7/7/2022



Test Information

Test Method: LM-79-08
Report Number: P600861
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-UNV-HI-5000K
Description: G3 4ft 4SLSTPSLC-UNV 45W at 5000K
Light Source: -
Ballast/Driver: -

Summary

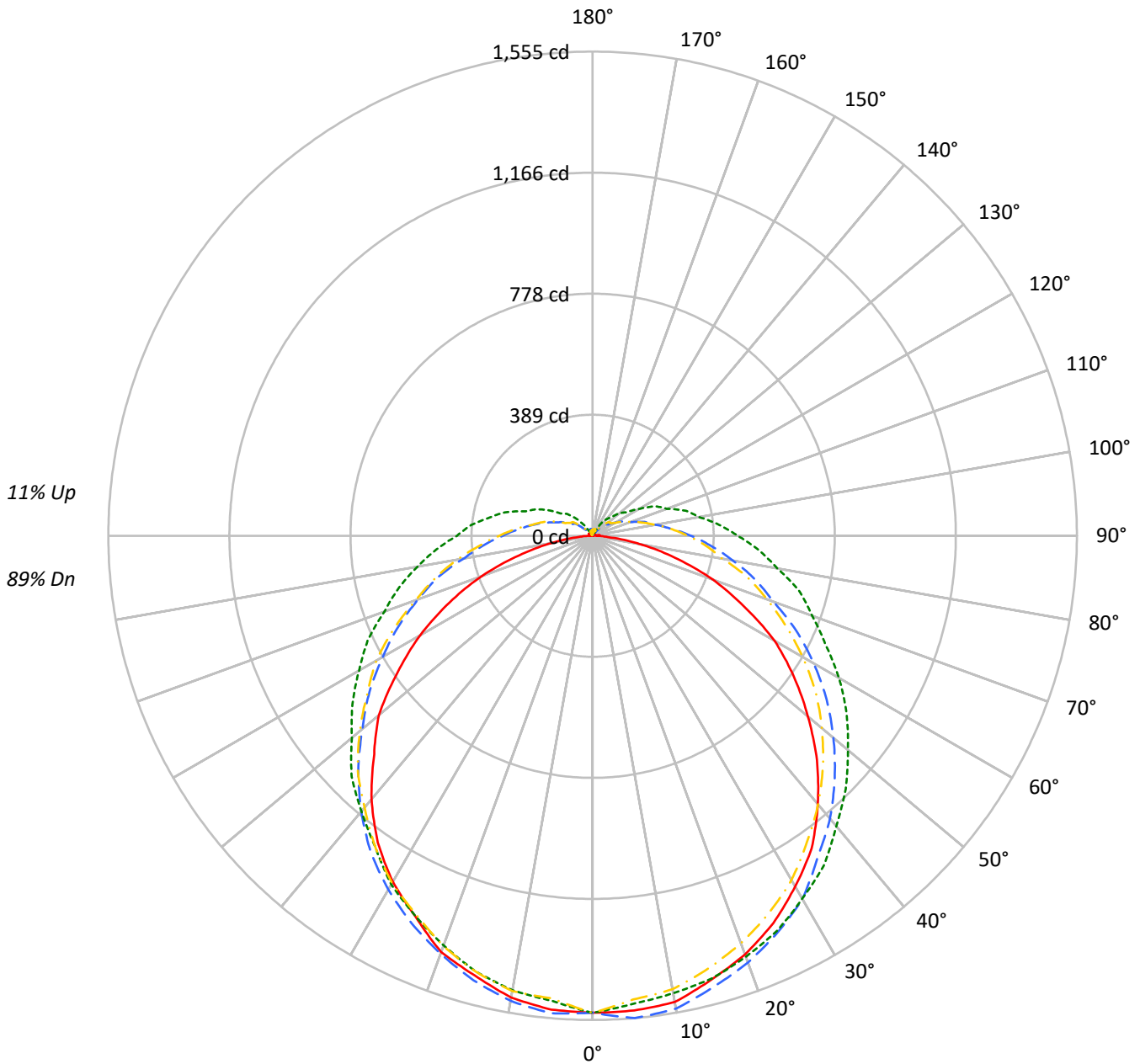
Lumens per Lamp: N/A
Luminaire Lumens: 5783.9 lumens
Efficiency: N/A
Efficacy: 121.3 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.28 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.22' x L: 4' x H: 0.22')
CIE Type: Semi-Direct

Input Watts (W): 47.7
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°	19123	19123	19123	19123
5°	19088	17379	19051	17276
10°	19092	16070	18910	15964
15°	18800	15002	18627	14759
20°	18643	14004	18535	13625
25°	18445	13143	18116	12642
30°	18186	12287	17940	11805
35°	18006	11584	17661	10903
40°	17540	10772	17224	10220
45°	17061	10130	16618	9645
50°	16462	9466	16353	8929
55°	15930	8909	15441	8423
60°	15402	8332	14607	7899
65°	14154	7730	13408	7472
70°	12999	7285	12017	6911
75°	10958	6995	9814	6547
80°	8507	6463	7357	6135
85°	4462	6167	3905	5778



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.9	2.5
10°-20°	415.9	7.2
20°-30°	633.8	11.0
30°-40°	775.3	13.4
40°-50°	825.8	14.3
50°-60°	788.1	13.6
60°-70°	678.2	11.7
70°-80°	522.3	9.0
80°-90°	364.6	6.3
90°-100°	248.2	4.3
100°-110°	165.2	2.9
110°-120°	103.7	1.8
120°-130°	61.5	1.1
130°-140°	31.9	0.6
140°-150°	12.5	0.2
150°-160°	6.9	0.1
160°-170°	4.1	0.1
170°-180°	1.0	0.0
0°-30°	1194.6	20.7
0°-40°	1969.8	34.1
0°-60°	3583.7	62.0
0°-90°	5148.9	89.0
90°-120°	517.1	8.9
90°-150°	623.0	10.8
90°-180°	635.0	11.0
0°-180°	5783.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1532	1532	1532	1532	1532	
5°	1530	1508	1527	1500	1530	146
15°	1476	1473	1462	1449	1476	417
25°	1373	1400	1348	1347	1373	632
35°	1226	1294	1203	1218	1226	764
45°	1019	1149	992	1094	1019	785
55°	788	996	764	941	788	706
65°	535	825	506	797	535	533
75°	273	688	244	644	273	293
85°	50	537	44	503	50	67
90°	12	466	5	435	12	13
95°	22	407	0	392	22	8
105°	3	310	6	291	3	3
115°	6	224	11	201	6	6
125°	7	131	6	125	7	7
135°	10	84	6	83	10	7
145°	8	54	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	



TEST NUMBER: P600861

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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	1531.8	1531.8	1531.8	1531.8	1531.8	1531.8	1531.8	1531.8	1531.8	1531.8	1531.8
5°	1530.4	1543.7	1505.2	1554.9	1550.0	1532.7	1508.5	1515.1	1519.5	1494.9	1526.1
10°	1520.4	1518.1	1486.0	1542.3	1530.1	1515.1	1491.9	1504.5	1498.6	1478.7	1511.8
15°	1475.7	1494.6	1468.0	1500.2	1501.5	1497.2	1472.7	1471.0	1465.7	1438.2	1477.7
20°	1430.9	1441.8	1423.9	1458.4	1467.0	1467.7	1438.9	1434.2	1423.3	1392.7	1417.0
25°	1372.8	1383.1	1367.9	1405.4	1407.7	1411.7	1400.4	1371.2	1371.5	1338.0	1353.6
30°	1300.9	1311.8	1297.9	1348.0	1352.9	1351.9	1346.0	1327.4	1317.5	1277.0	1293.6
35°	1226.2	1227.9	1238.2	1259.7	1282.0	1295.2	1293.9	1267.7	1251.8	1200.4	1196.7
40°	1125.1	1131.0	1150.9	1185.8	1201.7	1215.0	1217.3	1201.7	1171.8	1126.4	1112.1
45°	1018.6	1025.6	1065.0	1099.5	1125.7	1152.6	1149.3	1127.7	1101.2	1045.8	1017.9
50°	902.2	916.4	964.2	1009.3	1046.8	1062.7	1070.0	1052.1	1016.3	960.9	905.2
55°	788.4	801.4	867.4	917.1	955.6	990.4	995.7	969.2	928.1	873.7	799.7
60°	674.6	686.3	747.0	819.6	867.0	910.1	913.5	897.2	831.9	778.5	702.8
65°	534.7	580.4	643.5	721.1	775.8	838.8	824.6	810.3	758.2	683.9	592.4
70°	409.0	453.4	534.0	615.9	701.8	749.3	749.6	737.7	681.6	594.7	502.2
75°	273.0	344.6	440.5	539.0	621.2	670.7	687.9	660.7	589.7	514.4	401.0
80°	154.6	216.9	345.0	457.1	537.3	584.8	601.3	587.7	511.1	422.2	324.4
85°	50.4	149.6	266.0	382.8	469.3	527.4	536.7	505.2	454.1	364.9	240.1
90°	12.3	85.9	201.0	316.1	397.7	450.4	466.0	449.1	391.1	305.2	184.4
95°	22.2	61.0	158.2	252.4	343.0	385.7	407.0	396.4	335.0	252.1	151.9
100°	1.7	25.2	116.4	205.3	287.6	333.3	346.3	343.6	288.2	203.0	110.1
105°	2.7	35.8	80.9	172.5	235.8	294.2	310.5	287.6	235.5	163.5	72.6
110°	5.3	18.6	54.1	126.7	201.7	243.8	253.1	242.8	198.7	131.0	61.7
115°	5.6	15.3	54.4	109.5	154.9	199.0	223.9	188.4	149.3	106.1	56.1
120°	9.6	16.3	42.1	84.6	135.0	143.3	172.8	159.9	122.1	82.3	46.1
125°	7.3	13.9	39.8	66.0	95.2	125.7	131.3	127.0	104.5	70.0	33.5
130°	5.0	16.6	26.5	49.4	87.9	111.8	112.4	104.8	83.3	69.0	17.9
135°	9.6	14.6	20.2	39.5	72.6	83.3	83.9	84.9	69.7	50.7	14.3
140°	10.9	13.6	14.3	19.6	47.1	65.0	69.3	59.4	60.7	29.9	15.9
145°	8.3	15.9	23.5	12.9	24.5	50.7	54.4	57.0	37.8	10.0	21.2
150°	0.0	14.3	26.5	16.3	14.9	11.3	16.6	14.9	8.6	18.6	28.5
155°	5.6	5.0	22.6	16.3	17.9	8.0	4.0	13.3	12.3	19.6	22.2
160°	6.0	6.3	8.6	10.3	18.6	18.9	20.9	29.9	19.2	22.6	8.6
165°	6.6	11.6	7.3	9.6	20.6	10.9	15.3	23.9	15.6	8.6	15.9
170°	6.6	12.6	2.7	3.6	10.3	7.6	18.9	12.3	16.9	10.9	7.6
175°	9.3	12.9	9.3	8.3	17.2	13.9	4.6	1.0	10.0	21.6	0.0
180°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5



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CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	1531.8	1531.8	1531.8	1531.8	1531.8	1531.8	1531.8	1531.8	1531.8	1531.8	1531.8
5°	1511.5	1527.4	1540.7	1516.5	1539.4	1542.0	1540.0	1499.5	1518.5	1515.5	1491.6
10°	1503.5	1505.9	1513.1	1486.9	1516.8	1520.1	1524.4	1482.0	1497.2	1502.2	1484.6
15°	1456.4	1462.1	1483.6	1450.5	1477.7	1485.3	1485.3	1448.8	1468.0	1458.1	1449.8
20°	1425.9	1422.6	1431.9	1407.7	1428.2	1431.2	1449.1	1400.0	1431.9	1428.9	1402.0
25°	1356.9	1348.3	1356.9	1356.9	1374.2	1385.1	1399.0	1347.0	1382.8	1373.2	1341.7
30°	1293.9	1283.3	1286.3	1290.9	1312.1	1318.1	1345.0	1293.2	1324.8	1313.5	1287.6
35°	1209.7	1202.7	1200.4	1219.9	1241.8	1245.8	1274.0	1217.9	1257.8	1236.5	1217.9
40°	1104.8	1104.8	1109.5	1138.3	1155.6	1178.8	1209.0	1154.9	1189.1	1167.2	1139.0
45°	1012.3	992.1	989.7	1037.2	1064.0	1092.9	1123.1	1094.2	1115.5	1083.9	1066.7
50°	895.2	896.2	878.3	923.4	964.9	1007.7	1037.5	1009.3	1033.5	1011.6	975.2
55°	778.1	764.2	759.6	824.2	875.0	931.7	951.6	941.3	952.9	939.7	882.6
60°	655.4	639.8	651.8	721.7	777.8	845.5	874.0	866.0	855.7	836.8	801.7
65°	537.3	506.5	534.7	614.6	687.9	754.6	786.1	797.0	784.1	756.9	702.8
70°	405.3	378.1	416.6	501.8	594.7	663.0	700.2	711.1	703.5	667.4	603.0
75°	288.9	244.5	303.8	410.0	513.4	579.5	626.2	643.8	625.2	597.0	522.1
80°	197.0	133.7	203.3	319.7	419.6	507.1	550.3	570.8	554.2	506.8	440.1
85°	126.4	44.1	126.0	237.5	350.9	439.2	481.6	502.8	487.2	446.1	363.5
90°	68.3	5.0	80.9	185.4	288.6	366.5	425.9	435.2	422.6	371.5	299.8
95°	47.1	0.3	46.8	130.0	237.8	317.4	364.5	391.7	373.8	321.1	247.1
100°	29.2	11.9	29.2	103.2	196.7	268.7	310.8	335.7	315.8	266.7	199.0
105°	25.9	6.3	27.2	83.9	159.9	217.6	264.4	291.2	270.3	229.9	167.5
110°	19.2	3.0	13.9	62.4	125.0	193.0	218.6	228.5	226.9	187.4	134.7
115°	15.6	10.9	0.0	55.1	102.5	153.6	176.1	201.0	190.4	149.9	96.2
120°	11.9	13.9	12.9	30.8	75.0	125.0	144.3	163.9	144.3	128.4	82.3
125°	18.2	6.0	21.6	9.6	68.7	107.8	125.0	124.7	125.7	103.8	77.0
130°	10.9	1.7	22.9	5.3	30.5	78.6	99.2	110.1	103.5	84.2	45.4
135°	13.9	5.6	13.6	16.3	13.3	49.4	87.6	82.6	87.9	62.4	8.6
140°	5.6	4.6	14.9	13.6	10.0	7.6	24.2	53.1	32.2	1.0	6.3
145°	20.2	8.0	18.6	24.9	12.9	17.2	13.9	6.6	16.3	0.3	2.0
150°	15.6	0.0	12.6	26.2	14.9	7.3	3.0	2.7	0.0	6.0	12.6
155°	14.3	2.7	23.5	24.5	15.6	28.9	17.9	11.3	18.2	20.9	16.3
160°	15.6	7.6	12.3	21.6	22.9	20.2	24.9	21.9	17.2	20.2	16.6
165°	19.9	9.0	6.3	19.6	18.6	18.6	15.9	19.6	14.3	18.6	6.6
170°	10.9	10.9	18.9	10.9	21.9	17.2	21.6	12.3	11.9	10.3	12.3
175°	8.0	5.0	11.9	9.0	12.9	10.6	15.3	12.6	13.6	9.6	19.6
180°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5



TEST NUMBER: P600861

CATALOG NUMBER: 4SLSTPSLC-UNV-HI-5000K

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	1531.8	1531.8	1531.8
5°	1532.1	1518.1	1530.4
10°	1504.5	1504.5	1520.4
15°	1468.7	1481.3	1475.7
20°	1428.2	1432.5	1430.9
25°	1375.2	1375.2	1372.8
30°	1305.2	1308.5	1300.9
35°	1233.5	1230.2	1226.2
40°	1134.7	1137.0	1125.1
45°	1044.5	1046.1	1018.6
50°	942.3	933.4	902.2
55°	834.9	818.9	788.4
60°	732.4	688.2	674.6
65°	630.9	571.8	534.7
70°	522.7	459.4	409.0
75°	419.2	326.7	273.0
80°	331.7	229.2	154.6
85°	260.0	135.3	50.4
90°	200.7	86.9	12.3
95°	148.9	43.8	22.2
100°	110.5	28.2	1.7
105°	80.6	25.9	2.7
110°	59.4	15.9	5.3
115°	57.7	18.2	5.6
120°	36.8	15.3	9.6
125°	11.6	22.2	7.3
130°	3.3	5.6	5.0
135°	18.2	12.9	9.6
140°	18.6	11.9	10.9
145°	16.9	19.9	8.3
150°	11.6	17.2	0.0
155°	18.6	12.3	5.6
160°	9.6	8.6	6.0
165°	15.6	12.6	6.6
170°	15.9	7.3	6.6
175°	4.6	6.3	9.3
180°	9.5	9.5	9.5



Report Generated By 670246072 / DESKTOP-MV3F9LC





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











(END OF REPORT)