

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: P600860

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

Issue Date: 7/7/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P600860  
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-4000K  
Description: G3 4ft 4SLSTPSLC-UNV 45W at 4000K  
Light Source: -  
Ballast/Driver: -

**Summary**

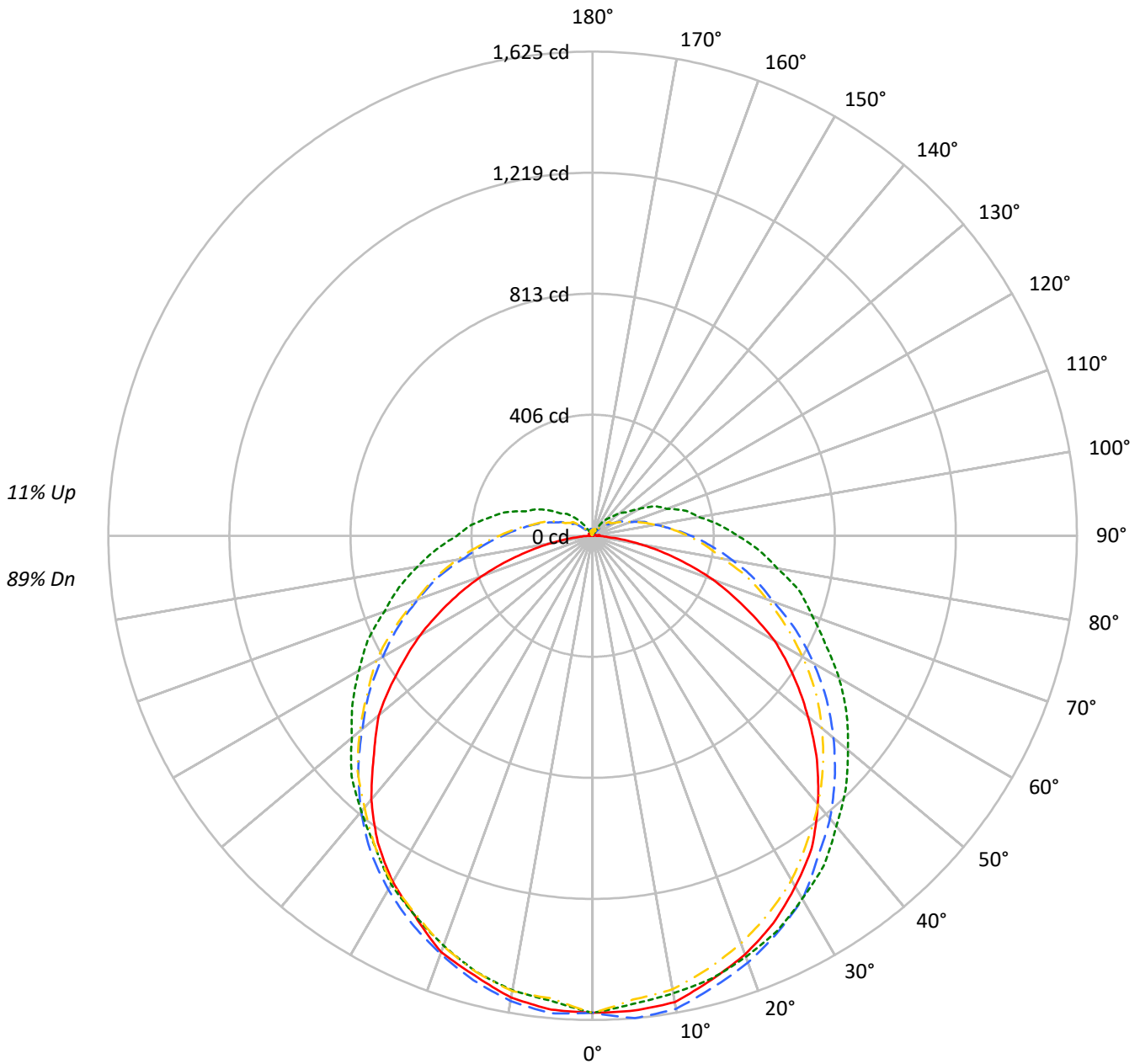
Lumens per Lamp: N/A  
Luminaire Lumens: 6045.0 lumens  
Efficiency: N/A  
Efficacy: 130.3 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.28 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.22' x L: 4' x H: 0.22')  
CIE Type: Semi-Direct

Input Watts (W): 46.4  
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°	19986	19986	19986	19986
5°	19950	18164	19910	18055
10°	19954	16796	19762	16684
15°	19649	15678	19468	15425
20°	19485	14635	19372	14240
25°	19278	13736	18934	13212
30°	19006	12842	18749	12339
35°	18820	12107	18459	11396
40°	18332	11258	18002	10682
45°	17832	10588	17366	10080
50°	17205	9893	17092	9332
55°	16650	9312	16138	8803
60°	16098	8708	15267	8256
65°	14792	8079	14011	7809
70°	13583	7614	12560	7223
75°	11451	7311	10255	6843
80°	8887	6756	7687	6413
85°	4666	6446	4082	6039



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	151.5	2.5
10°-20°	434.6	7.2
20°-30°	662.4	11.0
30°-40°	810.2	13.4
40°-50°	863.1	14.3
50°-60°	823.7	13.6
60°-70°	708.8	11.7
70°-80°	545.9	9.0
80°-90°	381.1	6.3
90°-100°	259.4	4.3
100°-110°	172.7	2.9
110°-120°	108.3	1.8
120°-130°	64.3	1.1
130°-140°	33.4	0.6
140°-150°	13.1	0.2
150°-160°	7.2	0.1
160°-170°	4.3	0.1
170°-180°	1.1	0.0
0°-30°	1248.5	20.7
0°-40°	2058.7	34.1
0°-60°	3745.5	62.0
0°-90°	5381.3	89.0
90°-120°	540.4	8.9
90°-150°	651.2	10.8
90°-180°	664.0	11.0
0°-180°	6045.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1601	1601	1601	1601	1601	
5°	1600	1577	1596	1567	1600	152
15°	1542	1539	1528	1514	1542	436
25°	1435	1464	1409	1408	1435	661
35°	1282	1352	1257	1273	1282	799
45°	1065	1201	1037	1144	1065	820
55°	824	1041	799	984	824	738
65°	559	862	529	833	559	557
75°	285	719	256	673	285	306
85°	53	561	46	526	53	70
90°	13	487	5	455	13	14
95°	23	425	0	409	23	8
105°	3	324	7	304	3	3
115°	6	234	11	210	6	7
125°	8	137	6	130	8	7
135°	10	88	6	86	10	7
145°	9	57	8	7	9	5
155°	6	4	3	12	6	2
165°	7	16	9	20	7	2
175°	10	5	5	13	10	1
180°	10	10	10	10	10	



TEST NUMBER: P600860

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**CANDELA DISTRIBUTION (FULL):**

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	1600.9	1600.9	1600.9	1600.9	1600.9	1600.9	1600.9	1600.9	1600.9	1600.9	1600.9
5°	1599.5	1613.3	1573.1	1625.1	1619.9	1601.9	1576.6	1583.5	1588.0	1562.4	1595.0
10°	1589.1	1586.6	1553.0	1611.9	1599.1	1583.5	1559.3	1572.4	1566.2	1545.4	1580.1
15°	1542.3	1562.0	1534.3	1567.9	1569.3	1564.8	1539.1	1537.4	1531.9	1503.1	1544.3
20°	1495.5	1506.9	1488.2	1524.2	1533.3	1533.9	1503.8	1498.9	1487.5	1455.6	1480.9
25°	1434.8	1445.6	1429.6	1468.8	1471.2	1475.4	1463.6	1433.1	1433.4	1398.4	1414.7
30°	1359.6	1371.0	1356.5	1408.8	1414.0	1413.0	1406.7	1387.3	1376.9	1334.6	1352.0
35°	1281.6	1283.3	1294.1	1316.6	1339.8	1353.7	1352.3	1324.9	1308.3	1254.5	1250.7
40°	1175.9	1182.1	1202.9	1239.3	1255.9	1269.8	1272.2	1255.9	1224.7	1177.2	1162.3
45°	1064.6	1071.9	1113.1	1149.2	1176.5	1204.6	1201.2	1178.6	1150.9	1093.0	1063.9
50°	942.9	957.8	1007.7	1054.9	1094.0	1110.7	1118.3	1099.6	1062.2	1004.3	946.0
55°	824.0	837.5	906.5	958.5	998.7	1035.1	1040.7	1012.9	969.9	913.1	835.8
60°	705.1	717.2	780.7	856.6	906.2	951.2	954.7	937.7	869.4	813.6	734.6
65°	558.8	606.6	672.5	753.6	810.8	876.7	861.8	846.9	792.5	714.8	619.1
70°	427.4	473.9	558.1	643.7	733.5	783.1	783.4	771.0	712.4	621.6	524.8
75°	285.3	360.2	460.4	563.3	649.3	700.9	719.0	690.5	616.4	537.7	419.1
80°	161.5	226.7	360.5	477.7	561.6	611.2	628.5	614.3	534.2	441.3	339.0
85°	52.7	156.3	278.0	400.0	490.5	551.2	560.9	528.0	474.6	381.3	251.0
90°	12.8	89.8	210.1	330.4	415.6	470.8	487.1	469.4	408.7	318.9	192.7
95°	23.2	63.8	165.4	263.8	358.4	403.2	425.3	414.3	350.1	263.5	158.8
100°	1.7	26.3	121.7	214.6	300.6	348.4	361.9	359.1	301.2	212.2	115.1
105°	2.8	37.4	84.6	180.3	246.5	307.5	324.5	300.6	246.1	170.9	75.9
110°	5.5	19.4	56.5	132.4	210.8	254.8	264.5	253.8	207.6	136.9	64.5
115°	5.9	15.9	56.9	114.4	161.9	208.0	234.0	196.9	156.0	110.9	58.6
120°	10.1	17.0	44.0	88.4	141.1	149.8	180.6	167.1	127.6	86.0	48.2
125°	7.6	14.6	41.6	69.0	99.5	131.4	137.3	132.8	109.2	73.1	35.0
130°	5.2	17.3	27.7	51.7	91.9	116.8	117.5	109.5	87.0	72.1	18.7
135°	10.1	15.3	21.1	41.3	75.9	87.0	87.7	88.7	72.8	53.0	14.9
140°	11.4	14.2	14.9	20.5	49.2	67.9	72.5	62.1	63.4	31.2	16.6
145°	8.7	16.6	24.6	13.5	25.7	53.0	56.9	59.6	39.5	10.4	22.2
150°	0.0	14.9	27.7	17.0	15.6	11.8	17.3	15.6	9.0	19.4	29.8
155°	5.9	5.2	23.6	17.0	18.7	8.3	4.2	13.9	12.8	20.5	23.2
160°	6.2	6.6	9.0	10.7	19.4	19.8	21.8	31.2	20.1	23.6	9.0
165°	6.9	12.1	7.6	10.1	21.5	11.4	15.9	25.0	16.3	9.0	16.6
170°	6.9	13.2	2.8	3.8	10.7	8.0	19.8	12.8	17.7	11.4	8.0
175°	9.7	13.5	9.7	8.7	18.0	14.6	4.9	1.0	10.4	22.5	0.0
180°	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9



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**CANDELA DISTRIBUTION (continued):**

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	1600.9	1600.9	1600.9	1600.9	1600.9	1600.9	1600.9	1600.9	1600.9	1600.9	1600.9
5°	1579.7	1596.3	1610.2	1584.9	1608.8	1611.6	1609.5	1567.2	1587.0	1583.9	1558.9
10°	1571.4	1573.8	1581.4	1554.1	1585.3	1588.7	1593.2	1548.9	1564.8	1570.0	1551.6
15°	1522.2	1528.1	1550.6	1515.9	1544.3	1552.3	1552.3	1514.2	1534.3	1523.9	1515.2
20°	1490.3	1486.8	1496.5	1471.2	1492.7	1495.8	1514.5	1463.2	1496.5	1493.4	1465.3
25°	1418.2	1409.2	1418.2	1418.2	1436.2	1447.6	1462.2	1407.8	1445.2	1435.2	1402.2
30°	1352.3	1341.2	1344.3	1349.2	1371.4	1377.6	1405.7	1351.6	1384.5	1372.8	1345.7
35°	1264.3	1257.0	1254.5	1275.0	1297.9	1302.0	1331.5	1272.9	1314.5	1292.3	1272.9
40°	1154.7	1154.7	1159.6	1189.7	1207.7	1232.0	1263.6	1207.1	1242.8	1219.9	1190.4
45°	1058.0	1036.8	1034.4	1084.0	1112.1	1142.2	1173.8	1143.6	1165.8	1132.9	1114.8
50°	935.6	936.7	917.9	965.1	1008.4	1053.1	1084.3	1054.9	1080.2	1057.3	1019.2
55°	813.3	798.7	793.8	861.4	914.5	973.8	994.6	983.8	995.9	982.1	922.4
60°	685.0	668.7	681.2	754.3	812.9	883.6	913.4	905.1	894.4	874.6	837.9
65°	561.6	529.3	558.8	642.4	719.0	788.6	821.6	833.0	819.5	791.1	734.6
70°	423.6	395.2	435.4	524.5	621.6	693.0	731.8	743.2	735.3	697.5	630.2
75°	301.9	255.5	317.5	428.5	536.6	605.6	654.5	672.9	653.4	624.0	545.6
80°	205.9	139.7	212.5	334.2	438.5	530.0	575.1	596.6	579.3	529.7	460.0
85°	132.1	46.1	131.7	248.2	366.8	459.0	503.3	525.5	509.2	466.3	379.9
90°	71.4	5.2	84.6	193.8	301.6	383.1	445.1	454.8	441.6	388.3	313.4
95°	49.2	0.3	48.9	135.9	248.6	331.7	381.0	409.4	390.7	335.6	258.3
100°	30.5	12.5	30.5	107.8	205.6	280.8	324.8	350.8	330.0	278.7	208.0
105°	27.0	6.6	28.4	87.7	167.1	227.4	276.3	304.4	282.5	240.2	175.1
110°	20.1	3.1	14.6	65.2	130.7	201.8	228.4	238.8	237.1	195.9	140.7
115°	16.3	11.4	0.0	57.5	107.1	160.5	184.1	210.1	199.0	156.7	100.5
120°	12.5	14.6	13.5	32.2	78.3	130.7	150.8	171.2	150.8	134.2	86.0
125°	19.1	6.2	22.5	10.1	71.8	112.7	130.7	130.3	131.4	108.5	80.4
130°	11.4	1.7	23.9	5.5	31.9	82.2	103.7	115.1	108.2	88.1	47.5
135°	14.6	5.9	14.2	17.0	13.9	51.7	91.5	86.3	91.9	65.2	9.0
140°	5.9	4.9	15.6	14.2	10.4	8.0	25.3	55.5	33.6	1.0	6.6
145°	21.1	8.3	19.4	26.0	13.5	18.0	14.6	6.9	17.0	0.3	2.1
150°	16.3	0.0	13.2	27.4	15.6	7.6	3.1	2.8	0.0	6.2	13.2
155°	14.9	2.8	24.6	25.7	16.3	30.2	18.7	11.8	19.1	21.8	17.0
160°	16.3	8.0	12.8	22.5	23.9	21.1	26.0	22.9	18.0	21.1	17.3
165°	20.8	9.4	6.6	20.5	19.4	19.4	16.6	20.5	14.9	19.4	6.9
170°	11.4	11.4	19.8	11.4	22.9	18.0	22.5	12.8	12.5	10.7	12.8
175°	8.3	5.2	12.5	9.4	13.5	11.1	15.9	13.2	14.2	10.1	20.5
180°	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9



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**CANDELA DISTRIBUTION (continued):**

	330°	345°	360°
0°	1600.9	1600.9	1600.9
5°	1601.2	1586.6	1599.5
10°	1572.4	1572.4	1589.1
15°	1535.0	1548.2	1542.3
20°	1492.7	1497.2	1495.5
25°	1437.2	1437.2	1434.8
30°	1364.1	1367.6	1359.6
35°	1289.2	1285.7	1281.6
40°	1185.9	1188.3	1175.9
45°	1091.6	1093.4	1064.6
50°	984.8	975.5	942.9
55°	872.5	855.9	824.0
60°	765.4	719.3	705.1
65°	659.3	597.6	558.8
70°	546.3	480.1	427.4
75°	438.2	341.5	285.3
80°	346.7	239.5	161.5
85°	271.8	141.4	52.7
90°	209.7	90.8	12.8
95°	155.6	45.8	23.2
100°	115.4	29.5	1.7
105°	84.2	27.0	2.8
110°	62.1	16.6	5.5
115°	60.3	19.1	5.9
120°	38.5	15.9	10.1
125°	12.1	23.2	7.6
130°	3.5	5.9	5.2
135°	19.1	13.5	10.1
140°	19.4	12.5	11.4
145°	17.7	20.8	8.7
150°	12.1	18.0	0.0
155°	19.4	12.8	5.9
160°	10.1	9.0	6.2
165°	16.3	13.2	6.9
170°	16.6	7.6	6.9
175°	4.9	6.6	9.7
180°	9.9	9.9	9.9





Report Generated By 670246072 / DESKTOP-MV3F9LC





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











(END OF REPORT)