

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: P600880

Luminaire Tested: **8SLSTPSLC-UNV-LO-3500K**

Issue Date: 7/7/2022



Test Information

Test Method: LM-79-08
Report Number: P600880
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: 8SLSTPSLC-UNV-LO-3500K
Description: G3 8ft 8SLSTPSLC-UNV 30W at 3500K
Light Source: -
Ballast/Driver: -

Summary

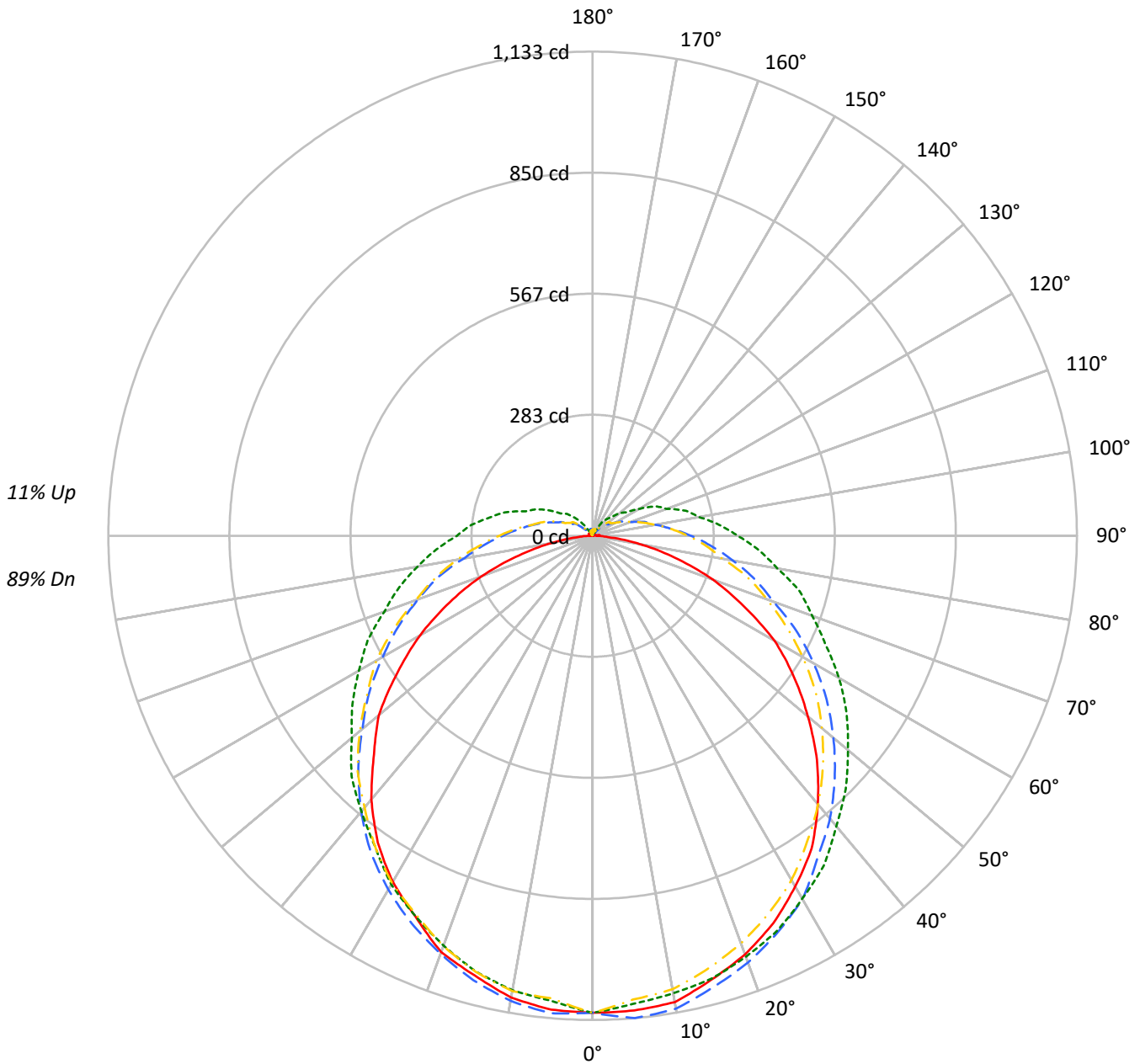
Lumens per Lamp: N/A
Luminaire Lumens: 4214.5 lumens
Efficiency: N/A
Efficacy: 124.7 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.28 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.22' x L: 8' x H: 0.22')
CIE Type: Semi-Direct

Input Watts (W): 33.8
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

TEST NUMBER: P600880

CATALOG NUMBER: 8SLSTPSLC-UNV-LO-3500K

Luminous Intensity Polar Plot





TEST NUMBER: P600880

CATALOG NUMBER: 8SLSTPSLC-UNV-LO-3500K

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	66	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°	6967	6967	6967	6967
5°	6971	6332	6958	6294
10°	6989	5855	6921	5816
15°	6899	5466	6835	5377
20°	6858	5102	6819	4964
25°	6804	4788	6682	4606
30°	6727	4477	6636	4301
35°	6682	4220	6554	3973
40°	6532	3925	6415	3723
45°	6379	3691	6214	3514
50°	6185	3449	6143	3253
55°	6020	3246	5834	3069
60°	5863	3036	5560	2878
65°	5439	2816	5153	2722
70°	5063	2654	4681	2518
75°	4357	2549	3902	2385
80°	3510	2355	3036	2235
85°	2008	2247	1756	2105



TEST NUMBER: P600880

CATALOG NUMBER: 8SLSTPSLC-UNV-LO-3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.6	2.5
10°-20°	303.0	7.2
20°-30°	461.8	11.0
30°-40°	564.9	13.4
40°-50°	601.7	14.3
50°-60°	574.3	13.6
60°-70°	494.2	11.7
70°-80°	380.6	9.0
80°-90°	265.7	6.3
90°-100°	180.9	4.3
100°-110°	120.4	2.9
110°-120°	75.5	1.8
120°-130°	44.8	1.1
130°-140°	23.3	0.6
140°-150°	9.1	0.2
150°-160°	5.0	0.1
160°-170°	3.0	0.1
170°-180°	0.8	0.0
0°-30°	870.4	20.7
0°-40°	1435.3	34.1
0°-60°	2611.3	62.0
0°-90°	3751.8	89.0
90°-120°	376.8	8.9
90°-150°	454.0	10.8
90°-180°	463.0	11.0
0°-180°	4214.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1116	1116	1116	1116	1116	
5°	1115	1099	1113	1093	1115	106
15°	1075	1073	1065	1056	1075	304
25°	1000	1020	982	982	1000	461
35°	894	943	876	888	894	557
45°	742	837	723	797	742	572
55°	574	726	557	686	574	514
65°	390	601	369	581	390	388
75°	199	501	178	469	199	213
85°	37	391	32	366	37	49
90°	9	340	4	317	9	10
95°	16	296	0	285	16	6
105°	2	226	5	212	2	2
115°	4	163	8	146	4	5
125°	5	96	4	91	5	5
135°	7	61	4	60	7	5
145°	6	40	6	5	6	3
155°	4	3	2	8	4	1
165°	5	11	6	14	5	1
175°	7	3	4	9	7	1
180°	7	7	7	7	7	



TEST NUMBER: P600880

CATALOG NUMBER: 8SLSTPSLC-UNV-LO-3500K

CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	1116.2	1116.2	1116.2	1116.2	1116.2	1116.2	1116.2	1116.2	1116.2	1116.2	1116.2
5°	1115.1	1124.8	1096.8	1133.0	1129.4	1116.8	1099.2	1104.0	1107.2	1089.3	1112.0
10°	1107.9	1106.2	1082.7	1123.8	1114.9	1104.0	1087.1	1096.3	1091.9	1077.4	1101.6
15°	1075.3	1089.0	1069.7	1093.1	1094.1	1091.0	1073.1	1071.9	1068.0	1047.9	1076.7
20°	1042.6	1050.6	1037.6	1062.7	1069.0	1069.5	1048.4	1045.0	1037.1	1014.8	1032.5
25°	1000.3	1007.8	996.7	1024.0	1025.7	1028.6	1020.4	999.1	999.4	975.0	986.3
30°	947.9	955.9	945.7	982.2	985.8	985.1	980.8	967.2	960.0	930.5	942.6
35°	893.5	894.7	902.2	917.9	934.1	943.8	942.8	923.7	912.1	874.7	872.0
40°	819.8	824.1	838.6	864.0	875.6	885.3	887.0	875.6	853.9	820.8	810.4
45°	742.2	747.3	776.1	801.2	820.3	839.9	837.4	821.7	802.4	762.0	741.7
50°	657.4	667.8	702.6	735.4	762.8	774.4	779.7	766.6	740.5	700.2	659.6
55°	574.5	583.9	632.0	668.3	696.3	721.7	725.5	706.2	676.2	636.6	582.7
60°	491.6	500.0	544.3	597.2	631.8	663.2	665.6	653.8	606.1	567.2	512.1
65°	389.6	422.9	468.9	525.4	565.3	611.2	600.8	590.4	552.5	498.4	431.6
70°	298.0	330.4	389.1	448.8	511.4	546.0	546.2	537.5	496.7	433.3	365.9
75°	198.9	251.1	321.0	392.7	452.7	488.7	501.3	481.4	429.7	374.9	292.2
80°	112.6	158.1	251.4	333.0	391.5	426.1	438.2	428.3	372.4	307.7	236.4
85°	36.7	109.0	193.8	278.9	342.0	384.3	391.0	368.1	330.9	265.9	175.0
90°	8.9	62.6	146.5	230.3	289.8	328.2	339.6	327.2	284.9	222.4	134.4
95°	16.2	44.5	115.3	183.9	249.9	281.1	296.5	288.8	244.1	183.7	110.7
100°	1.2	18.4	84.8	149.6	209.5	242.9	252.3	250.4	210.0	147.9	80.2
105°	1.9	26.1	59.0	125.7	171.8	214.4	226.2	209.5	171.6	119.2	52.9
110°	3.9	13.5	39.4	92.3	146.9	177.6	184.4	176.9	144.8	95.5	45.0
115°	4.1	11.1	39.6	79.8	112.9	145.0	163.1	137.3	108.8	77.3	40.8
120°	7.0	11.8	30.7	61.6	98.4	104.4	125.9	116.5	88.9	59.9	33.6
125°	5.3	10.2	29.0	48.1	69.4	91.6	95.7	92.6	76.1	51.0	24.4
130°	3.6	12.1	19.3	36.0	64.0	81.4	81.9	76.4	60.7	50.3	13.1
135°	7.0	10.6	14.7	28.8	52.9	60.7	61.1	61.9	50.8	37.0	10.4
140°	8.0	9.9	10.4	14.3	34.3	47.4	50.5	43.3	44.2	21.8	11.6
145°	6.0	11.6	17.2	9.4	17.9	37.0	39.6	41.6	27.6	7.3	15.5
150°	0.0	10.4	19.3	11.8	10.9	8.2	12.1	10.9	6.3	13.5	20.8
155°	4.1	3.6	16.4	11.8	13.1	5.8	2.9	9.7	8.9	14.3	16.2
160°	4.4	4.6	6.3	7.5	13.5	13.8	15.2	21.8	14.0	16.4	6.3
165°	4.8	8.5	5.3	7.0	15.0	8.0	11.1	17.4	11.4	6.3	11.6
170°	4.8	9.2	1.9	2.7	7.5	5.6	13.8	8.9	12.3	8.0	5.6
175°	6.8	9.4	6.8	6.0	12.6	10.2	3.4	0.7	7.3	15.7	0.0
180°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9



TEST NUMBER: P600880

CATALOG NUMBER: 8SLSTPSLC-UNV-LO-3500K

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	1116.2	1116.2	1116.2	1116.2	1116.2	1116.2	1116.2	1116.2	1116.2	1116.2	1116.2
5°	1101.4	1113.0	1122.6	1105.0	1121.7	1123.6	1122.1	1092.7	1106.4	1104.3	1086.9
10°	1095.6	1097.2	1102.6	1083.5	1105.2	1107.6	1110.8	1079.8	1091.0	1094.6	1081.8
15°	1061.2	1065.3	1081.1	1056.9	1076.7	1082.3	1082.3	1055.7	1069.7	1062.4	1056.4
20°	1039.0	1036.6	1043.4	1025.7	1040.7	1042.9	1055.9	1020.2	1043.4	1041.2	1021.6
25°	988.7	982.4	988.7	988.7	1001.3	1009.3	1019.4	981.5	1007.6	1000.6	977.6
30°	942.8	935.1	937.3	940.6	956.1	960.5	980.0	942.3	965.3	957.1	938.2
35°	881.4	876.3	874.7	888.9	904.9	907.8	928.3	887.5	916.5	901.0	887.5
40°	805.1	805.1	808.4	829.5	842.0	858.9	880.9	841.5	866.4	850.5	829.9
45°	737.6	722.9	721.2	755.7	775.3	796.4	818.3	797.3	812.8	789.8	777.3
50°	652.3	653.0	640.0	672.9	703.1	734.2	756.0	735.4	753.1	737.1	710.6
55°	567.0	556.8	553.5	600.6	637.6	678.9	693.4	685.9	694.4	684.7	643.1
60°	477.6	466.2	474.9	525.9	566.8	616.1	636.8	631.0	623.5	609.8	584.2
65°	391.5	369.1	389.6	447.8	501.3	549.8	572.8	580.8	571.3	551.5	512.1
70°	295.3	275.5	303.6	365.7	433.3	483.1	510.2	518.2	512.6	486.3	439.4
75°	210.5	178.1	221.4	298.7	374.1	422.2	456.3	469.1	455.6	435.0	380.4
80°	143.6	97.4	148.2	233.0	305.7	369.5	401.0	415.9	403.9	369.3	320.7
85°	92.1	32.1	91.8	173.0	255.7	320.0	350.9	366.4	355.0	325.1	264.9
90°	49.8	3.6	59.0	135.1	210.3	267.1	310.3	317.1	307.9	270.7	218.5
95°	34.3	0.2	34.1	94.7	173.3	231.3	265.6	285.4	272.4	234.0	180.1
100°	21.3	8.7	21.3	75.2	143.3	195.8	226.5	244.6	230.1	194.3	145.0
105°	18.9	4.6	19.8	61.1	116.5	158.5	192.6	212.2	197.0	167.5	122.1
110°	14.0	2.2	10.2	45.4	91.1	140.7	159.3	166.5	165.3	136.6	98.1
115°	11.4	8.0	0.0	40.1	74.7	111.9	128.3	146.5	138.7	109.2	70.1
120°	8.7	10.2	9.4	22.5	54.6	91.1	105.1	119.4	105.1	93.5	59.9
125°	13.3	4.4	15.7	7.0	50.0	78.5	91.1	90.9	91.6	75.6	56.1
130°	8.0	1.2	16.7	3.9	22.2	57.3	72.3	80.2	75.4	61.4	33.1
135°	10.2	4.1	9.9	11.8	9.7	36.0	63.8	60.2	64.0	45.4	6.3
140°	4.1	3.4	10.9	9.9	7.3	5.6	17.6	38.7	23.4	0.7	4.6
145°	14.7	5.8	13.5	18.1	9.4	12.6	10.2	4.8	11.8	0.2	1.4
150°	11.4	0.0	9.2	19.1	10.9	5.3	2.2	1.9	0.0	4.4	9.2
155°	10.4	1.9	17.2	17.9	11.4	21.0	13.1	8.2	13.3	15.2	11.8
160°	11.4	5.6	8.9	15.7	16.7	14.7	18.1	16.0	12.6	14.7	12.1
165°	14.5	6.5	4.6	14.3	13.5	13.5	11.6	14.3	10.4	13.5	4.8
170°	8.0	8.0	13.8	8.0	16.0	12.6	15.7	8.9	8.7	7.5	8.9
175°	5.8	3.6	8.7	6.5	9.4	7.7	11.1	9.2	9.9	7.0	14.3
180°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9



TEST NUMBER: P600880

CATALOG NUMBER: 8SLSTPSLC-UNV-LO-3500K

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	1116.2	1116.2	1116.2
5°	1116.3	1106.2	1115.1
10°	1096.3	1096.3	1107.9
15°	1070.2	1079.4	1075.3
20°	1040.7	1043.8	1042.6
25°	1002.0	1002.0	1000.3
30°	951.0	953.4	947.9
35°	898.8	896.4	893.5
40°	826.8	828.5	819.8
45°	761.1	762.3	742.2
50°	686.6	680.1	657.4
55°	608.3	596.7	574.5
60°	533.6	501.5	491.6
65°	459.7	416.7	389.6
70°	380.9	334.7	298.0
75°	305.5	238.1	198.9
80°	241.7	167.0	112.6
85°	189.5	98.6	36.7
90°	146.2	63.3	8.9
95°	108.5	31.9	16.2
100°	80.5	20.5	1.2
105°	58.7	18.9	1.9
110°	43.3	11.6	3.9
115°	42.1	13.3	4.1
120°	26.8	11.1	7.0
125°	8.5	16.2	5.3
130°	2.4	4.1	3.6
135°	13.3	9.4	7.0
140°	13.5	8.7	8.0
145°	12.3	14.5	6.0
150°	8.5	12.6	0.0
155°	13.5	8.9	4.1
160°	7.0	6.3	4.4
165°	11.4	9.2	4.8
170°	11.6	5.3	4.8
175°	3.4	4.6	6.8
180°	6.9	6.9	6.9



Report Generated By 670246072 / DESKTOP-MV3F9LC





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











(END OF REPORT)