

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: P600882

Luminaire Tested: **8SLSTPSLC-UNV-LO-5000K**

Issue Date: 7/7/2022



Test Information

Test Method: LM-79-08
Report Number: P600882
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-5000K
Description: G3 8ft 8SLSTPSLC-UNV 30W at 5000K
Light Source: -
Ballast/Driver: -

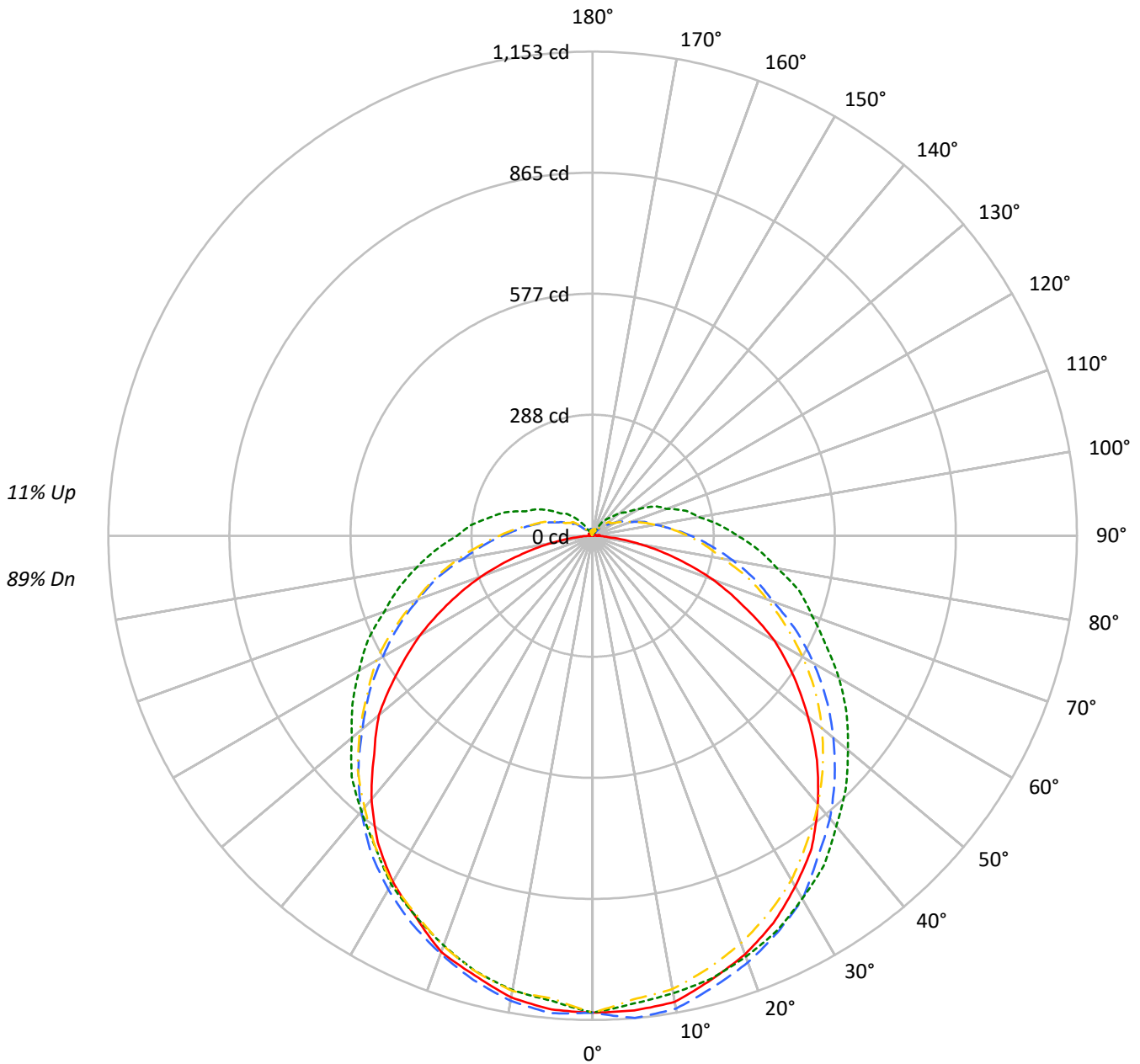
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4287.6 lumens
Efficiency: N/A
Efficacy: 127.2 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): 33.7
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

TEST NUMBER: P600882
CATALOG NUMBER: 8SLSTPSLC-UNV-LO-5000K

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°	7088	7088	7088	7088
5°	7092	6441	7078	6403
10°	7110	5956	7042	5917
15°	7018	5560	6953	5470
20°	6977	5190	6936	5050
25°	6922	4871	6798	4686
30°	6844	4554	6751	4376
35°	6798	4294	6667	4041
40°	6645	3993	6526	3788
45°	6490	3755	6321	3575
50°	6292	3509	6250	3310
55°	6124	3302	5936	3122
60°	5964	3088	5656	2928
65°	5533	2865	5241	2769
70°	5151	2700	4762	2562
75°	4434	2593	3970	2426
80°	3572	2396	3089	2274
85°	2046	2286	1789	2141



TEST NUMBER: P600882

CATALOG NUMBER: 8SLSTPSLC-UNV-LO-5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.4	2.5
10°-20°	308.3	7.2
20°-30°	469.8	11.0
30°-40°	574.7	13.4
40°-50°	612.2	14.3
50°-60°	584.2	13.6
60°-70°	502.8	11.7
70°-80°	387.2	9.0
80°-90°	270.3	6.3
90°-100°	184.0	4.3
100°-110°	122.5	2.9
110°-120°	76.8	1.8
120°-130°	45.6	1.1
130°-140°	23.7	0.6
140°-150°	9.3	0.2
150°-160°	5.1	0.1
160°-170°	3.0	0.1
170°-180°	0.8	0.0
0°-30°	885.5	20.7
0°-40°	1460.2	34.1
0°-60°	2656.6	62.0
0°-90°	3816.8	89.0
90°-120°	383.3	8.9
90°-150°	461.9	10.8
90°-180°	471.0	11.0
0°-180°	4287.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1136	1136	1136	1136	1136	
5°	1134	1118	1132	1112	1134	108
15°	1094	1092	1084	1074	1094	309
25°	1018	1038	1000	998	1018	469
35°	909	959	892	903	909	567
45°	755	852	735	811	755	582
55°	584	738	566	698	584	523
65°	396	611	375	591	396	395
75°	202	510	181	477	202	217
85°	37	398	33	373	37	50
90°	9	346	4	323	9	10
95°	16	302	0	290	16	6
105°	2	230	5	216	2	2
115°	4	166	8	149	4	5
125°	5	97	4	92	5	5
135°	7	62	4	61	7	5
145°	6	40	6	5	6	3
155°	4	3	2	8	4	1
165°	5	11	7	14	5	1
175°	7	3	4	9	7	1
180°	7	7	7	7	7	



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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	1135.5	1135.5	1135.5	1135.5	1135.5	1135.5	1135.5	1135.5	1135.5	1135.5	1135.5
5°	1134.5	1144.3	1115.8	1152.7	1149.0	1136.2	1118.2	1123.1	1126.3	1108.1	1131.3
10°	1127.1	1125.4	1101.5	1143.3	1134.2	1123.1	1105.9	1115.3	1110.9	1096.1	1120.7
15°	1093.9	1107.9	1088.2	1112.1	1113.1	1109.9	1091.7	1090.4	1086.5	1066.1	1095.4
20°	1060.7	1068.8	1055.5	1081.1	1087.5	1088.0	1066.6	1063.2	1055.0	1032.4	1050.4
25°	1017.7	1025.3	1014.0	1041.8	1043.5	1046.4	1038.1	1016.4	1016.7	991.9	1003.4
30°	964.3	972.4	962.1	999.2	1002.9	1002.2	997.8	984.0	976.6	946.6	958.9
35°	909.0	910.2	917.8	933.8	950.3	960.1	959.2	939.7	927.9	889.8	887.1
40°	834.0	838.4	853.2	879.0	890.8	900.6	902.4	890.8	868.7	835.0	824.4
45°	755.1	760.2	789.5	815.1	834.5	854.4	852.0	836.0	816.3	775.2	754.6
50°	668.8	679.3	714.8	748.2	776.0	787.8	793.2	779.9	753.4	712.3	671.0
55°	584.4	594.0	643.0	679.8	708.4	734.2	738.1	718.4	688.0	647.6	592.8
60°	500.1	508.7	553.7	607.6	642.7	674.7	677.1	665.1	616.6	577.1	521.0
65°	396.3	430.3	477.0	534.5	575.1	621.8	611.2	600.7	562.1	507.0	439.1
70°	303.2	336.1	395.9	456.6	520.3	555.4	555.7	546.8	505.3	440.9	372.3
75°	202.4	255.5	326.5	399.5	460.5	497.2	509.9	489.8	437.2	381.3	297.3
80°	114.6	160.8	255.7	338.8	398.3	433.5	445.8	435.7	378.9	313.0	240.5
85°	37.4	110.9	197.2	283.7	347.9	390.9	397.8	374.5	336.6	270.5	178.0
90°	9.1	63.7	149.0	234.3	294.8	333.9	345.5	332.9	289.9	226.2	136.7
95°	16.5	45.2	117.3	187.1	254.2	286.0	301.7	293.8	248.3	186.9	112.6
100°	1.2	18.7	86.3	152.2	213.2	247.1	256.7	254.7	213.7	150.5	81.6
105°	2.0	26.6	60.0	127.9	174.8	218.1	230.1	213.2	174.6	121.2	53.8
110°	3.9	13.8	40.1	93.9	149.5	180.7	187.6	180.0	147.3	97.1	45.7
115°	4.2	11.3	40.3	81.1	114.8	147.5	166.0	139.7	110.6	78.7	41.6
120°	7.1	12.0	31.2	62.7	100.1	106.2	128.1	118.5	90.5	61.0	34.2
125°	5.4	10.3	29.5	48.9	70.6	93.2	97.4	94.2	77.5	51.9	24.8
130°	3.7	12.3	19.7	36.6	65.2	82.9	83.4	77.7	61.7	51.1	13.3
135°	7.1	10.8	15.0	29.3	53.8	61.7	62.2	62.9	51.6	37.6	10.6
140°	8.1	10.1	10.6	14.5	34.9	48.2	51.4	44.0	45.0	22.1	11.8
145°	6.1	11.8	17.5	9.6	18.2	37.6	40.3	42.3	28.0	7.4	15.7
150°	0.0	10.6	19.7	12.0	11.1	8.4	12.3	11.1	6.4	13.8	21.1
155°	4.2	3.7	16.7	12.0	13.3	5.9	3.0	9.8	9.1	14.5	16.5
160°	4.4	4.7	6.4	7.6	13.8	14.0	15.5	22.1	14.3	16.7	6.4
165°	4.9	8.6	5.4	7.1	15.2	8.1	11.3	17.7	11.6	6.4	11.8
170°	4.9	9.3	2.0	2.7	7.6	5.7	14.0	9.1	12.5	8.1	5.7
175°	6.9	9.6	6.9	6.1	12.8	10.3	3.4	0.7	7.4	16.0	0.0
180°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0



TEST NUMBER: P600882

CATALOG NUMBER: 8SLSTPSLC-UNV-LO-5000K

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	1135.5	1135.5	1135.5	1135.5	1135.5	1135.5	1135.5	1135.5	1135.5	1135.5	1135.5
5°	1120.4	1132.2	1142.1	1124.1	1141.1	1143.1	1141.6	1111.6	1125.6	1123.4	1105.7
10°	1114.5	1116.3	1121.7	1102.2	1124.4	1126.8	1130.0	1098.6	1109.9	1113.6	1100.5
15°	1079.6	1083.8	1099.8	1075.2	1095.4	1101.0	1101.0	1074.0	1088.2	1080.9	1074.7
20°	1057.0	1054.5	1061.4	1043.5	1058.7	1060.9	1074.2	1037.8	1061.4	1059.2	1039.3
25°	1005.9	999.5	1005.9	1005.9	1018.7	1026.8	1037.1	998.5	1025.0	1017.9	994.6
30°	959.2	951.3	953.5	956.9	972.7	977.1	997.0	958.7	982.0	973.7	954.5
35°	896.7	891.5	889.8	904.3	920.5	923.5	944.4	902.8	932.4	916.6	902.8
40°	819.0	819.0	822.4	843.8	856.6	873.8	896.2	856.1	881.5	865.2	844.3
45°	750.4	735.4	733.7	768.8	788.8	810.2	832.5	811.1	826.9	803.5	790.7
50°	663.6	664.3	651.1	684.5	715.2	747.0	769.1	748.2	766.1	749.9	722.9
55°	576.8	566.5	563.0	611.0	648.6	690.7	705.4	697.8	706.4	696.6	654.3
60°	485.8	474.3	483.1	535.0	576.6	626.7	647.9	642.0	634.4	620.3	594.3
65°	398.3	375.4	396.3	455.6	509.9	559.4	582.7	590.8	581.2	561.1	521.0
70°	300.5	280.3	308.8	372.0	440.9	491.5	519.0	527.2	521.5	494.7	447.0
75°	214.2	181.2	225.2	303.9	380.6	429.5	464.2	477.2	463.5	442.6	387.0
80°	146.0	99.1	150.7	237.0	311.0	375.9	407.9	423.1	410.9	375.7	326.3
85°	93.7	32.7	93.4	176.0	260.1	325.5	357.0	372.7	361.2	330.7	269.5
90°	50.6	3.7	60.0	137.4	213.9	271.7	315.7	322.6	313.2	275.4	222.3
95°	34.9	0.2	34.7	96.4	176.3	235.3	270.2	290.4	277.1	238.0	183.2
100°	21.6	8.9	21.6	76.5	145.8	199.2	230.4	248.8	234.1	197.7	147.5
105°	19.2	4.7	20.2	62.2	118.5	161.3	196.0	215.9	200.4	170.4	124.2
110°	14.3	2.2	10.3	46.2	92.7	143.1	162.0	169.4	168.2	138.9	99.8
115°	11.6	8.1	0.0	40.8	76.0	113.8	130.6	149.0	141.1	111.1	71.3
120°	8.9	10.3	9.6	22.9	55.6	92.7	107.0	121.5	107.0	95.2	61.0
125°	13.5	4.4	16.0	7.1	50.9	79.9	92.7	92.4	93.2	77.0	57.0
130°	8.1	1.2	17.0	3.9	22.6	58.3	73.5	81.6	76.7	62.5	33.7
135°	10.3	4.2	10.1	12.0	9.8	36.6	64.9	61.2	65.2	46.2	6.4
140°	4.2	3.4	11.1	10.1	7.4	5.7	17.9	39.3	23.8	0.7	4.7
145°	15.0	5.9	13.8	18.4	9.6	12.8	10.3	4.9	12.0	0.2	1.5
150°	11.6	0.0	9.3	19.4	11.1	5.4	2.2	2.0	0.0	4.4	9.3
155°	10.6	2.0	17.5	18.2	11.6	21.4	13.3	8.4	13.5	15.5	12.0
160°	11.6	5.7	9.1	16.0	17.0	15.0	18.4	16.2	12.8	15.0	12.3
165°	14.8	6.6	4.7	14.5	13.8	13.8	11.8	14.5	10.6	13.8	4.9
170°	8.1	8.1	14.0	8.1	16.2	12.8	16.0	9.1	8.9	7.6	9.1
175°	5.9	3.7	8.9	6.6	9.6	7.9	11.3	9.3	10.1	7.1	14.5
180°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0



TEST NUMBER: P600882

CATALOG NUMBER: 8SLSTPSLC-UNV-LO-5000K

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	1135.5	1135.5	1135.5
5°	1135.7	1125.4	1134.5
10°	1115.3	1115.3	1127.1
15°	1088.7	1098.1	1093.9
20°	1058.7	1061.9	1060.7
25°	1019.4	1019.4	1017.7
30°	967.5	970.0	964.3
35°	914.4	911.9	909.0
40°	841.1	842.9	834.0
45°	774.3	775.5	755.1
50°	698.5	691.9	668.8
55°	618.9	607.1	584.4
60°	542.9	510.2	500.1
65°	467.7	423.9	396.3
70°	387.5	340.5	303.2
75°	310.8	242.2	202.4
80°	245.9	169.9	114.6
85°	192.8	100.3	37.4
90°	148.8	64.4	9.1
95°	110.4	32.5	16.5
100°	81.9	20.9	1.2
105°	59.7	19.2	2.0
110°	44.0	11.8	3.9
115°	42.8	13.5	4.2
120°	27.3	11.3	7.1
125°	8.6	16.5	5.4
130°	2.5	4.2	3.7
135°	13.5	9.6	7.1
140°	13.8	8.9	8.1
145°	12.5	14.8	6.1
150°	8.6	12.8	0.0
155°	13.8	9.1	4.2
160°	7.1	6.4	4.4
165°	11.6	9.3	4.9
170°	11.8	5.4	4.9
175°	3.4	4.7	6.9
180°	7.0	7.0	7.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





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











(END OF REPORT)