

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: P600881

Luminaire Tested: **8SLSTPSLC-UNV-LO-4000K**

Issue Date: 7/7/2022



Test Information

Test Method: LM-79-08
Report Number: P600881
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-4000K
Description: G3 8ft 8SLSTPSLC-UNV 30W at 4000K
Light Source: -
Ballast/Driver: -

Summary

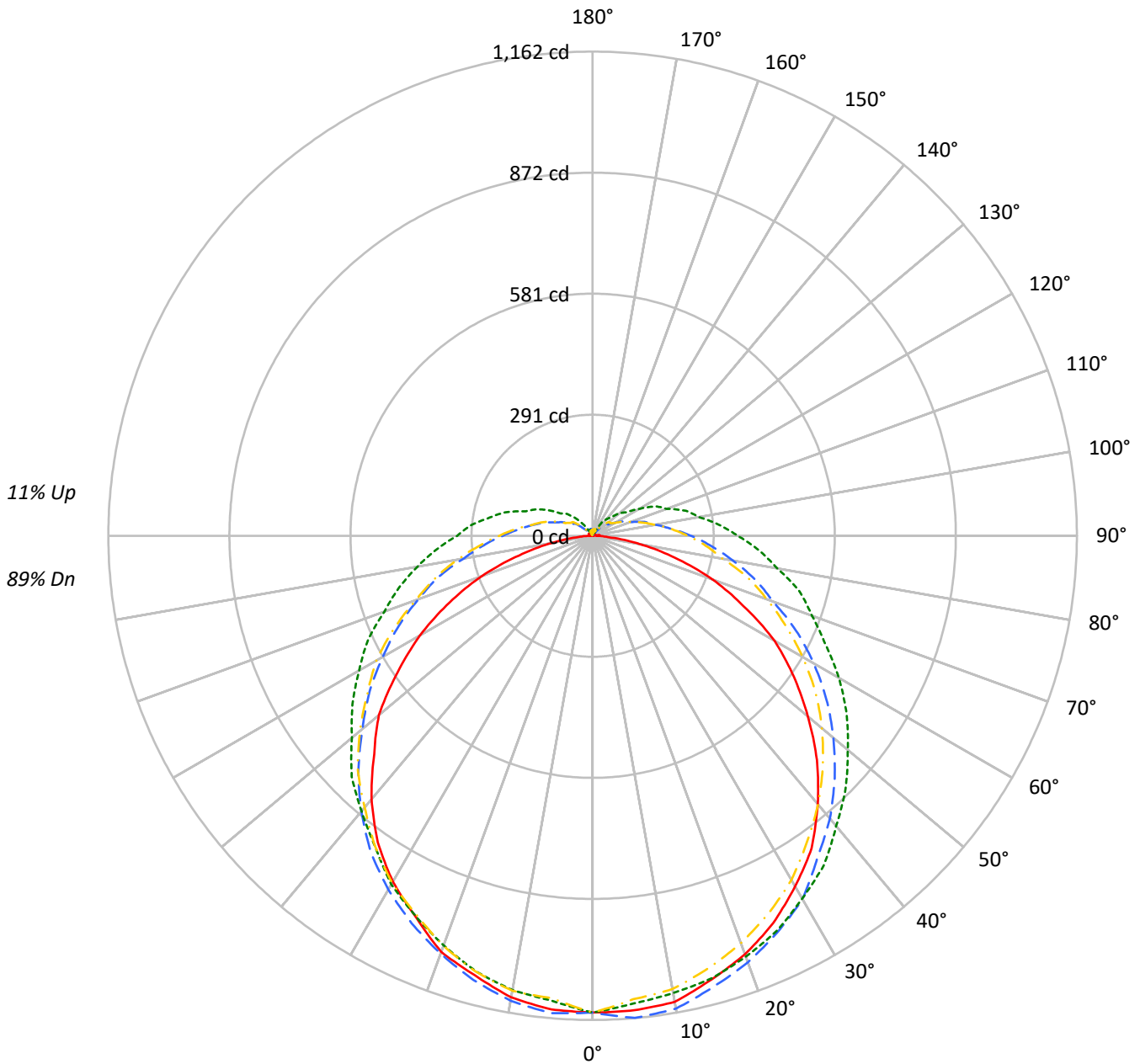
Lumens per Lamp: N/A
Luminaire Lumens: 4320.5 lumens
Efficiency: N/A
Efficacy: 130.1 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.28 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.22' x L: 8' x H: 0.22')
CIE Type: Semi-Direct

Input Watts (W): 33.2
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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CATALOG NUMBER: 8SLSTPSLC-UNV-LO-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	67	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°	7142	7142	7142	7142
5°	7146	6491	7133	6452
10°	7165	6002	7096	5962
15°	7072	5603	7007	5512
20°	7031	5230	6990	5089
25°	6975	4909	6851	4722
30°	6896	4589	6803	4409
35°	6850	4326	6719	4073
40°	6696	4023	6576	3817
45°	6540	3784	6370	3602
50°	6340	3536	6299	3335
55°	6171	3328	5982	3146
60°	6011	3112	5699	2950
65°	5576	2887	5281	2791
70°	5190	2721	4799	2581
75°	4467	2613	4000	2445
80°	3600	2414	3111	2292
85°	2063	2303	1806	2158



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.3	2.5
10°-20°	310.6	7.2
20°-30°	473.4	11.0
30°-40°	579.1	13.4
40°-50°	616.9	14.3
50°-60°	588.7	13.6
60°-70°	506.6	11.7
70°-80°	390.2	9.0
80°-90°	272.4	6.3
90°-100°	185.4	4.3
100°-110°	123.4	2.9
110°-120°	77.4	1.8
120°-130°	45.9	1.1
130°-140°	23.8	0.6
140°-150°	9.4	0.2
150°-160°	5.1	0.1
160°-170°	3.0	0.1
170°-180°	0.8	0.0
0°-30°	892.3	20.7
0°-40°	1471.4	34.1
0°-60°	2677.0	62.0
0°-90°	3846.2	89.0
90°-120°	386.3	8.9
90°-150°	465.4	10.8
90°-180°	474.0	11.0
0°-180°	4320.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1144	1144	1144	1144	1144	
5°	1143	1127	1141	1120	1143	109
15°	1102	1100	1092	1082	1102	312
25°	1026	1046	1007	1006	1026	472
35°	916	966	898	910	916	571
45°	761	858	741	817	761	586
55°	589	744	571	703	589	527
65°	399	616	378	595	399	398
75°	204	514	183	481	204	219
85°	38	401	33	376	38	50
90°	9	348	4	325	9	10
95°	17	304	0	293	17	6
105°	2	232	5	218	2	2
115°	4	167	8	150	4	5
125°	6	98	4	93	6	5
135°	7	63	4	62	7	5
145°	6	41	6	5	6	3
155°	4	3	2	8	4	1
165°	5	11	7	15	5	1
175°	7	4	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°	1144.2	1144.2	1144.2	1144.2	1144.2	1144.2	1144.2	1144.2	1144.2	1144.2	1144.2
5°	1143.2	1153.1	1124.4	1161.5	1157.8	1144.9	1126.8	1131.8	1135.0	1116.7	1140.0
10°	1135.8	1134.0	1110.0	1152.1	1142.9	1131.8	1114.4	1123.9	1119.4	1104.5	1129.3
15°	1102.3	1116.4	1096.6	1120.6	1121.6	1118.4	1100.1	1098.8	1094.9	1074.3	1103.8
20°	1068.9	1077.0	1063.7	1089.4	1095.9	1096.4	1074.8	1071.3	1063.2	1040.4	1058.5
25°	1025.5	1033.2	1021.8	1049.8	1051.5	1054.5	1046.1	1024.3	1024.5	999.5	1011.1
30°	971.7	979.9	969.5	1006.9	1010.6	1009.9	1005.4	991.6	984.1	953.9	966.3
35°	916.0	917.2	924.9	941.0	957.6	967.5	966.5	947.0	935.1	896.7	893.9
40°	840.4	844.9	859.7	885.8	897.7	907.6	909.3	897.7	875.4	841.4	830.8
45°	760.9	766.1	795.6	821.3	840.9	861.0	858.5	842.4	822.6	781.2	760.4
50°	673.9	684.6	720.3	754.0	781.9	793.8	799.3	785.9	759.2	717.8	676.2
55°	588.9	598.6	647.9	685.1	713.8	739.8	743.8	724.0	693.2	652.6	597.4
60°	504.0	512.6	558.0	612.2	647.7	679.9	682.3	670.2	621.4	581.5	525.0
65°	399.4	433.6	480.7	538.6	579.5	626.6	615.9	605.3	566.4	510.9	442.5
70°	305.5	338.7	398.9	460.1	524.3	559.7	559.9	551.0	509.2	444.2	375.1
75°	203.9	257.4	329.0	402.6	464.1	501.0	513.9	493.5	440.5	384.3	299.5
80°	115.5	162.0	257.7	341.4	401.4	436.8	449.2	439.0	381.8	315.4	242.3
85°	37.7	111.7	198.7	285.9	350.6	393.9	400.9	377.3	339.2	272.5	179.4
90°	9.2	64.2	150.1	236.1	297.1	336.5	348.1	335.5	292.1	227.9	137.8
95°	16.6	45.6	118.2	188.5	256.2	288.2	304.0	296.1	250.2	188.3	113.5
100°	1.2	18.8	87.0	153.4	214.8	249.0	258.7	256.7	215.3	151.6	82.3
105°	2.0	26.8	60.5	128.8	176.2	219.8	231.9	214.8	175.9	122.1	54.3
110°	4.0	13.9	40.4	94.6	150.6	182.1	189.0	181.4	148.4	97.9	46.1
115°	4.2	11.4	40.6	81.8	115.7	148.7	167.2	140.7	111.5	79.3	41.9
120°	7.2	12.1	31.5	63.2	100.8	107.0	129.1	119.4	91.2	61.4	34.4
125°	5.5	10.4	29.7	49.3	71.1	93.9	98.1	94.9	78.0	52.3	25.0
130°	3.7	12.4	19.8	36.9	65.7	83.5	84.0	78.3	62.2	51.5	13.4
135°	7.2	10.9	15.1	29.5	54.3	62.2	62.7	63.4	52.0	37.9	10.7
140°	8.2	10.2	10.7	14.6	35.2	48.6	51.8	44.3	45.3	22.3	11.9
145°	6.2	11.9	17.6	9.7	18.3	37.9	40.6	42.6	28.2	7.4	15.9
150°	0.0	10.7	19.8	12.1	11.1	8.4	12.4	11.1	6.4	13.9	21.3
155°	4.2	3.7	16.8	12.1	13.4	5.9	3.0	9.9	9.2	14.6	16.6
160°	4.5	4.7	6.4	7.7	13.9	14.1	15.6	22.3	14.4	16.8	6.4
165°	5.0	8.7	5.5	7.2	15.4	8.2	11.4	17.8	11.6	6.4	11.9
170°	5.0	9.4	2.0	2.7	7.7	5.7	14.1	9.2	12.6	8.2	5.7
175°	6.9	9.7	6.9	6.2	12.9	10.4	3.5	0.7	7.4	16.1	0.0
180°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1



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CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	1144.2	1144.2	1144.2	1144.2	1144.2	1144.2	1144.2	1144.2	1144.2	1144.2	1144.2
5°	1129.1	1141.0	1150.9	1132.8	1149.9	1151.9	1150.4	1120.1	1134.3	1132.0	1114.2
10°	1123.1	1124.9	1130.3	1110.7	1133.0	1135.5	1138.7	1107.0	1118.4	1122.1	1109.0
15°	1087.9	1092.1	1108.3	1083.5	1103.8	1109.5	1109.5	1082.2	1096.6	1089.2	1083.0
20°	1065.1	1062.7	1069.6	1051.5	1066.9	1069.1	1082.5	1045.8	1069.6	1067.4	1047.3
25°	1013.6	1007.2	1013.6	1013.6	1026.5	1034.7	1045.1	1006.2	1032.9	1025.7	1002.2
30°	966.5	958.6	960.8	964.3	980.2	984.6	1004.7	966.0	989.6	981.2	961.8
35°	903.6	898.4	896.7	911.3	927.6	930.6	951.7	909.8	939.5	923.7	909.8
40°	825.3	825.3	828.8	850.3	863.2	880.6	903.1	862.7	888.2	871.9	850.8
45°	756.2	741.1	739.3	774.8	794.8	816.4	838.9	817.4	833.2	809.7	796.8
50°	668.7	669.5	656.1	689.8	720.7	752.7	775.0	754.0	772.0	755.7	728.4
55°	581.3	570.9	567.4	615.7	653.6	696.0	710.8	703.2	711.8	701.9	659.3
60°	489.6	477.9	486.9	539.1	581.0	631.6	652.9	646.9	639.2	625.1	598.8
65°	401.4	378.3	399.4	459.1	513.9	563.7	587.2	595.4	585.7	565.4	525.0
70°	302.8	282.5	311.2	374.9	444.2	495.3	523.0	531.2	525.5	498.5	450.4
75°	215.8	182.6	227.0	306.2	383.5	432.8	467.8	480.9	467.0	446.0	390.0
80°	147.2	99.8	151.9	238.8	313.4	378.8	411.0	426.4	414.0	378.6	328.8
85°	94.4	33.0	94.2	177.4	262.1	328.0	359.8	375.6	364.0	333.2	271.6
90°	51.0	3.7	60.5	138.5	215.6	273.8	318.1	325.1	315.7	277.5	224.0
95°	35.2	0.2	34.9	97.1	177.6	237.1	272.3	292.6	279.2	239.8	184.6
100°	21.8	8.9	21.8	77.1	146.9	200.7	232.2	250.7	235.9	199.2	148.7
105°	19.3	4.7	20.3	62.7	119.4	162.5	197.5	217.5	201.9	171.7	125.1
110°	14.4	2.2	10.4	46.6	93.4	144.2	163.3	170.7	169.5	140.0	100.6
115°	11.6	8.2	0.0	41.1	76.6	114.7	131.6	150.1	142.2	112.0	71.9
120°	8.9	10.4	9.7	23.0	56.0	93.4	107.8	122.4	107.8	95.9	61.4
125°	13.6	4.5	16.1	7.2	51.3	80.5	93.4	93.2	93.9	77.6	57.5
130°	8.2	1.2	17.1	4.0	22.8	58.7	74.1	82.3	77.3	62.9	33.9
135°	10.4	4.2	10.2	12.1	9.9	36.9	65.4	61.7	65.7	46.6	6.4
140°	4.2	3.5	11.1	10.2	7.4	5.7	18.1	39.6	24.0	0.7	4.7
145°	15.1	5.9	13.9	18.6	9.7	12.9	10.4	5.0	12.1	0.2	1.5
150°	11.6	0.0	9.4	19.6	11.1	5.5	2.2	2.0	0.0	4.5	9.4
155°	10.7	2.0	17.6	18.3	11.6	21.6	13.4	8.4	13.6	15.6	12.1
160°	11.6	5.7	9.2	16.1	17.1	15.1	18.6	16.4	12.9	15.1	12.4
165°	14.9	6.7	4.7	14.6	13.9	13.9	11.9	14.6	10.7	13.9	5.0
170°	8.2	8.2	14.1	8.2	16.4	12.9	16.1	9.2	8.9	7.7	9.2
175°	5.9	3.7	8.9	6.7	9.7	7.9	11.4	9.4	10.2	7.2	14.6
180°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1



TEST NUMBER: P600881

CATALOG NUMBER: 8SLSTPSLC-UNV-LO-4000K

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	1144.2	1144.2	1144.2
5°	1144.4	1134.0	1143.2
10°	1123.9	1123.9	1135.8
15°	1097.1	1106.5	1102.3
20°	1066.9	1070.1	1068.9
25°	1027.2	1027.2	1025.5
30°	975.0	977.4	971.7
35°	921.4	919.0	916.0
40°	847.6	849.3	840.4
45°	780.2	781.5	760.9
50°	703.9	697.2	673.9
55°	623.6	611.7	588.9
60°	547.1	514.1	504.0
65°	471.2	427.1	399.4
70°	390.5	343.2	305.5
75°	313.2	244.0	203.9
80°	247.8	171.2	115.5
85°	194.2	101.1	37.7
90°	149.9	64.9	9.2
95°	111.2	32.7	16.6
100°	82.5	21.1	1.2
105°	60.2	19.3	2.0
110°	44.3	11.9	4.0
115°	43.1	13.6	4.2
120°	27.5	11.4	7.2
125°	8.7	16.6	5.5
130°	2.5	4.2	3.7
135°	13.6	9.7	7.2
140°	13.9	8.9	8.2
145°	12.6	14.9	6.2
150°	8.7	12.9	0.0
155°	13.9	9.2	4.2
160°	7.2	6.4	4.5
165°	11.6	9.4	5.0
170°	11.9	5.5	5.0
175°	3.5	4.7	6.9
180°	7.1	7.1	7.1



Report Generated By 670246072 / DESKTOP-MV3F9LC





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











(END OF REPORT)