

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: P600865

Luminaire Tested: **4SLSTPSLC-UNV-MID-3500K**

Issue Date: 7/7/2022



Test Information

Test Method: LM-79-08
Report Number: P600865
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-MID-3500K
Description: G3 4ft 4SLSTPSLC-UNV 30W at 3500K
Light Source: -
Ballast/Driver: -

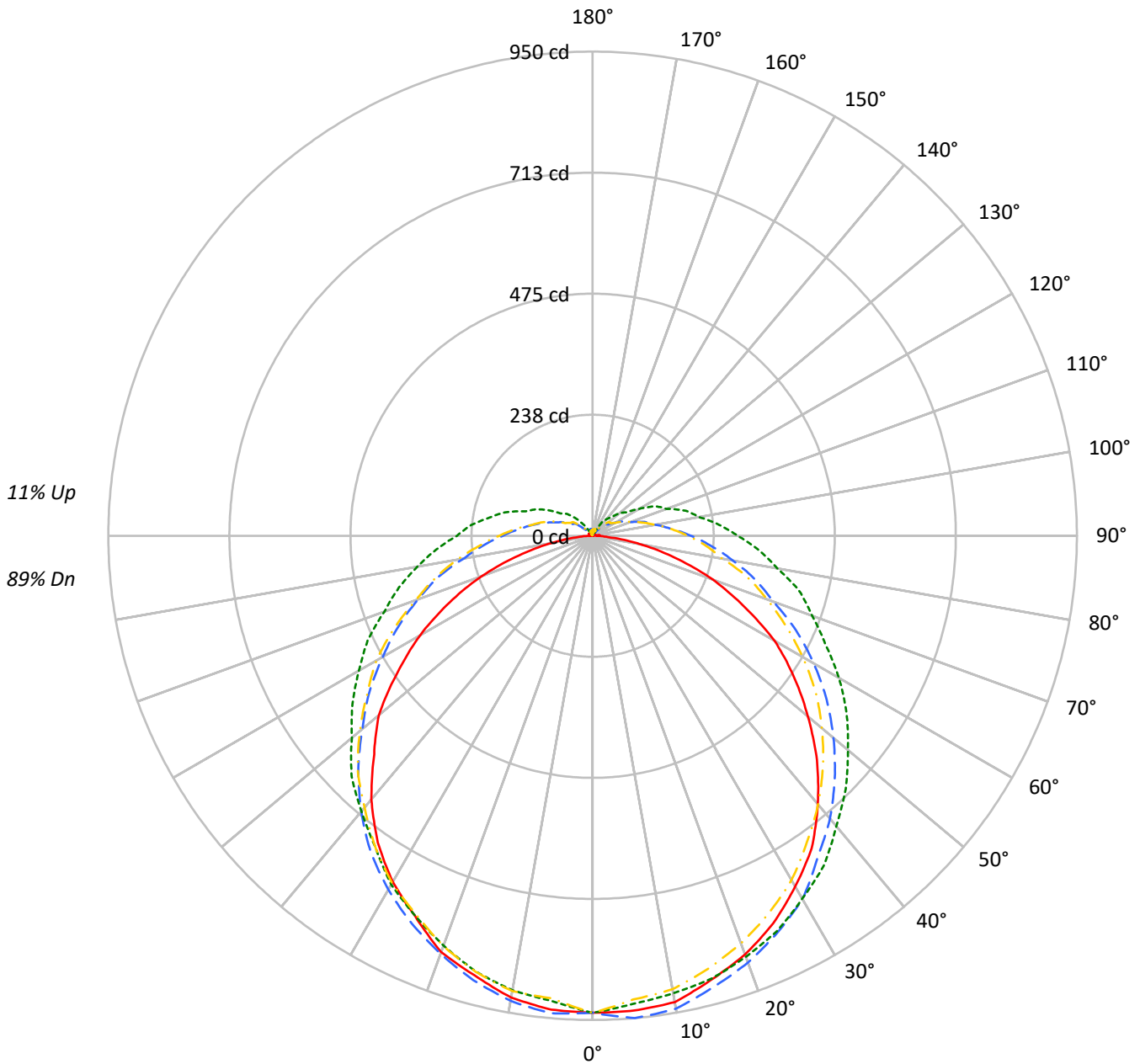
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3533.9 lumens
Efficiency: N/A
Efficacy: 115.5 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): 30.6
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	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°	11684	11684	11684	11684
5°	11663	10619	11640	10555
10°	11666	9818	11554	9754
15°	11486	9166	11381	9017
20°	11391	8556	11325	8325
25°	11270	8030	11069	7724
30°	11111	7508	10961	7214
35°	11002	7078	10790	6662
40°	10716	6581	10523	6244
45°	10425	6189	10152	5893
50°	10057	5784	9992	5456
55°	9733	5444	9434	5146
60°	9411	5091	8925	4826
65°	8648	4723	8193	4565
70°	7942	4451	7342	4223
75°	6695	4274	5997	4000
80°	5194	3949	4496	3749
85°	2727	3768	2391	3530



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.5	2.5
10°-20°	254.1	7.2
20°-30°	387.2	11.0
30°-40°	473.7	13.4
40°-50°	504.6	14.3
50°-60°	481.5	13.6
60°-70°	414.4	11.7
70°-80°	319.1	9.0
80°-90°	222.8	6.3
90°-100°	151.7	4.3
100°-110°	100.9	2.9
110°-120°	63.3	1.8
120°-130°	37.6	1.1
130°-140°	19.5	0.6
140°-150°	7.7	0.2
150°-160°	4.2	0.1
160°-170°	2.5	0.1
170°-180°	0.6	0.0
0°-30°	729.9	20.7
0°-40°	1203.5	34.1
0°-60°	2189.6	62.0
0°-90°	3145.9	89.0
90°-120°	315.9	8.9
90°-150°	380.6	10.8
90°-180°	388.0	11.0
0°-180°	3533.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	936	936	936	936	936	
5°	935	922	933	916	935	89
15°	902	900	893	885	902	255
25°	839	856	824	823	839	386
35°	749	791	735	744	749	467
45°	622	702	606	669	622	480
55°	482	608	467	575	482	431
65°	327	504	310	487	327	326
75°	167	420	149	393	167	179
85°	31	328	27	307	31	41
90°	8	285	3	266	8	8
95°	14	249	0	239	14	5
105°	2	190	4	178	2	2
115°	3	137	7	123	3	4
125°	4	80	4	76	4	4
135°	6	51	3	50	6	4
145°	5	33	5	4	5	3
155°	3	2	2	7	3	1
165°	4	9	6	12	4	1
175°	6	3	3	8	6	0
180°	6	6	6	6	6	



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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	935.9	935.9	935.9	935.9	935.9	935.9	935.9	935.9	935.9	935.9	935.9
5°	935.1	943.2	919.6	950.0	947.0	936.5	921.7	925.7	928.4	913.4	932.4
10°	929.0	927.6	907.9	942.3	934.8	925.7	911.5	919.2	915.6	903.4	923.7
15°	901.6	913.2	897.0	916.6	917.4	914.8	899.8	898.8	895.5	878.7	902.8
20°	874.3	880.9	870.0	891.1	896.3	896.7	879.1	876.3	869.6	850.9	865.7
25°	838.8	845.1	835.7	858.6	860.1	862.5	855.6	837.8	838.0	817.5	827.0
30°	794.8	801.5	793.0	823.6	826.6	826.0	822.4	811.0	804.9	780.2	790.4
35°	749.2	750.2	756.5	769.7	783.3	791.4	790.6	774.5	764.8	733.4	731.2
40°	687.4	691.1	703.2	724.5	734.2	742.3	743.7	734.2	716.0	688.2	679.5
45°	622.4	626.6	650.7	671.8	687.8	704.2	702.2	689.0	672.8	639.0	621.9
50°	551.2	559.9	589.1	616.7	639.6	649.3	653.8	642.8	620.9	587.1	553.0
55°	481.7	489.6	529.9	560.3	583.8	605.1	608.4	592.2	567.0	533.8	488.6
60°	412.2	419.3	456.4	500.8	529.7	556.1	558.1	548.2	508.3	475.6	429.4
65°	326.7	354.6	393.2	440.6	474.0	512.5	503.8	495.1	463.3	417.9	361.9
70°	249.9	277.0	326.3	376.3	428.8	457.8	458.0	450.7	416.5	363.4	306.8
75°	166.8	210.6	269.1	329.3	379.6	409.8	420.3	403.7	360.3	314.3	245.0
80°	94.4	132.5	210.8	279.3	328.3	357.3	367.4	359.1	312.3	258.0	198.2
85°	30.8	91.4	162.5	233.9	286.8	322.2	327.9	308.6	277.4	222.9	146.7
90°	7.5	52.5	122.8	193.1	243.0	275.2	284.7	274.4	238.9	186.4	112.7
95°	13.6	37.3	96.7	154.2	209.5	235.7	248.7	242.2	204.7	154.0	92.8
100°	1.0	15.4	71.1	125.4	175.7	203.7	211.6	210.0	176.1	124.0	67.3
105°	1.6	21.9	49.4	105.4	144.1	179.8	189.7	175.7	143.9	99.9	44.4
110°	3.2	11.3	33.0	77.4	123.2	149.0	154.6	148.3	121.4	80.0	37.7
115°	3.4	9.3	33.2	66.9	94.6	121.6	136.8	115.1	91.2	64.8	34.2
120°	5.9	9.9	25.7	51.7	82.5	87.5	105.6	97.7	74.6	50.3	28.2
125°	4.5	8.5	24.3	40.3	58.2	76.8	80.3	77.6	63.8	42.8	20.5
130°	3.0	10.1	16.2	30.2	53.7	68.3	68.7	64.0	50.9	42.2	10.9
135°	5.9	8.9	12.4	24.1	44.4	50.9	51.3	51.9	42.6	31.0	8.7
140°	6.7	8.3	8.7	12.0	28.8	39.7	42.4	36.3	37.1	18.2	9.7
145°	5.1	9.7	14.4	7.9	15.0	31.0	33.2	34.9	23.1	6.1	13.0
150°	0.0	8.7	16.2	9.9	9.1	6.9	10.1	9.1	5.3	11.3	17.4
155°	3.4	3.0	13.8	9.9	10.9	4.9	2.4	8.1	7.5	12.0	13.6
160°	3.6	3.9	5.3	6.3	11.3	11.6	12.8	18.2	11.8	13.8	5.3
165°	4.1	7.1	4.5	5.9	12.6	6.7	9.3	14.6	9.5	5.3	9.7
170°	4.1	7.7	1.6	2.2	6.3	4.7	11.6	7.5	10.3	6.7	4.7
175°	5.7	7.9	5.7	5.1	10.5	8.5	2.8	0.6	6.1	13.2	0.0
180°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8



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CATALOG NUMBER: 4SLSTPSLC-UNV-MID-3500K

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	935.9	935.9	935.9	935.9	935.9	935.9	935.9	935.9	935.9	935.9	935.9
5°	923.5	933.2	941.3	926.5	940.5	942.1	940.9	916.2	927.8	925.9	911.3
10°	918.6	920.1	924.5	908.5	926.7	928.8	931.4	905.5	914.8	917.8	907.1
15°	889.9	893.3	906.5	886.2	902.8	907.5	907.5	885.2	897.0	890.9	885.8
20°	871.2	869.2	874.9	860.1	872.6	874.5	885.4	855.4	874.9	873.0	856.6
25°	829.1	823.8	829.1	829.1	839.6	846.3	854.8	823.0	844.9	839.0	819.7
30°	790.6	784.1	785.9	788.7	801.7	805.4	821.8	790.2	809.4	802.5	786.7
35°	739.1	734.8	733.4	745.4	758.7	761.2	778.4	744.1	768.5	755.5	744.1
40°	675.0	675.0	677.9	695.5	706.1	720.2	738.7	705.6	726.5	713.1	695.9
45°	618.5	606.1	604.7	633.7	650.1	667.7	686.2	668.6	681.5	662.3	651.7
50°	547.0	547.6	536.6	564.2	589.5	615.7	633.9	616.7	631.5	618.1	595.8
55°	475.4	466.9	464.1	503.6	534.6	569.3	581.4	575.1	582.2	574.1	539.3
60°	400.4	390.9	398.2	441.0	475.2	516.6	534.0	529.1	522.8	511.3	489.8
65°	328.3	309.5	326.7	375.5	420.3	461.0	480.3	487.0	479.1	462.5	429.4
70°	247.6	231.0	254.5	306.6	363.4	405.1	427.8	434.5	429.8	407.7	368.4
75°	176.5	149.4	185.6	250.5	313.7	354.0	382.6	393.4	382.0	364.8	319.0
80°	120.4	81.7	124.2	195.4	256.4	309.9	336.2	348.8	338.6	309.7	268.9
85°	77.2	27.0	77.0	145.1	214.4	268.3	294.3	307.2	297.7	272.6	222.1
90°	41.7	3.0	49.4	113.3	176.3	223.9	260.2	265.9	258.2	227.0	183.2
95°	28.8	0.2	28.6	79.4	145.3	193.9	222.7	239.3	228.4	196.2	151.0
100°	17.8	7.3	17.8	63.0	120.2	164.2	189.9	205.1	192.9	162.9	121.6
105°	15.8	3.9	16.6	51.3	97.7	132.9	161.5	177.9	165.2	140.4	102.3
110°	11.8	1.8	8.5	38.1	76.4	117.9	133.5	139.6	138.6	114.5	82.3
115°	9.5	6.7	0.0	33.6	62.6	93.8	107.6	122.8	116.3	91.6	58.8
120°	7.3	8.5	7.9	18.8	45.8	76.4	88.2	100.1	88.2	78.4	50.3
125°	11.1	3.6	13.2	5.9	41.9	65.9	76.4	76.2	76.8	63.4	47.0
130°	6.7	1.0	14.0	3.2	18.6	48.0	60.6	67.3	63.2	51.5	27.8
135°	8.5	3.4	8.3	9.9	8.1	30.2	53.5	50.5	53.7	38.1	5.3
140°	3.4	2.8	9.1	8.3	6.1	4.7	14.8	32.4	19.7	0.6	3.9
145°	12.4	4.9	11.3	15.2	7.9	10.5	8.5	4.1	9.9	0.2	1.2
150°	9.5	0.0	7.7	16.0	9.1	4.5	1.8	1.6	0.0	3.6	7.7
155°	8.7	1.6	14.4	15.0	9.5	17.6	10.9	6.9	11.1	12.8	9.9
160°	9.5	4.7	7.5	13.2	14.0	12.4	15.2	13.4	10.5	12.4	10.1
165°	12.2	5.5	3.9	12.0	11.3	11.3	9.7	12.0	8.7	11.3	4.1
170°	6.7	6.7	11.6	6.7	13.4	10.5	13.2	7.5	7.3	6.3	7.5
175°	4.9	3.0	7.3	5.5	7.9	6.5	9.3	7.7	8.3	5.9	12.0
180°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8



TEST NUMBER: P600865

CATALOG NUMBER: 4SLSTPSLC-UNV-MID-3500K

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	935.9	935.9	935.9
5°	936.1	927.6	935.1
10°	919.2	919.2	929.0
15°	897.4	905.1	901.6
20°	872.6	875.3	874.3
25°	840.2	840.2	838.8
30°	797.4	799.5	794.8
35°	753.7	751.6	749.2
40°	693.3	694.7	687.4
45°	638.2	639.2	622.4
50°	575.7	570.3	551.2
55°	510.1	500.4	481.7
60°	447.5	420.5	412.2
65°	385.5	349.4	326.7
70°	319.4	280.7	249.9
75°	256.2	199.6	166.8
80°	202.7	140.0	94.4
85°	158.9	82.7	30.8
90°	122.6	53.1	7.5
95°	91.0	26.8	13.6
100°	67.5	17.2	1.0
105°	49.2	15.8	1.6
110°	36.3	9.7	3.2
115°	35.3	11.1	3.4
120°	22.5	9.3	5.9
125°	7.1	13.6	4.5
130°	2.0	3.4	3.0
135°	11.1	7.9	5.9
140°	11.3	7.3	6.7
145°	10.3	12.2	5.1
150°	7.1	10.5	0.0
155°	11.3	7.5	3.4
160°	5.9	5.3	3.6
165°	9.5	7.7	4.1
170°	9.7	4.5	4.1
175°	2.8	3.9	5.7
180°	5.8	5.8	5.8



Report Generated By 670246072 / DESKTOP-MV3F9LC





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











(END OF REPORT)