

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: P600864

Luminaire Tested: **4SLSTPSLC-UNV-LO-5000K**

Issue Date: 7/7/2022



Test Information

Test Method: LM-79-08
Report Number: P600864
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-LO-5000K
Description: G3 4ft 4SLSTPSLC-UNV 18W at 5000K
Light Source: -
Ballast/Driver: -

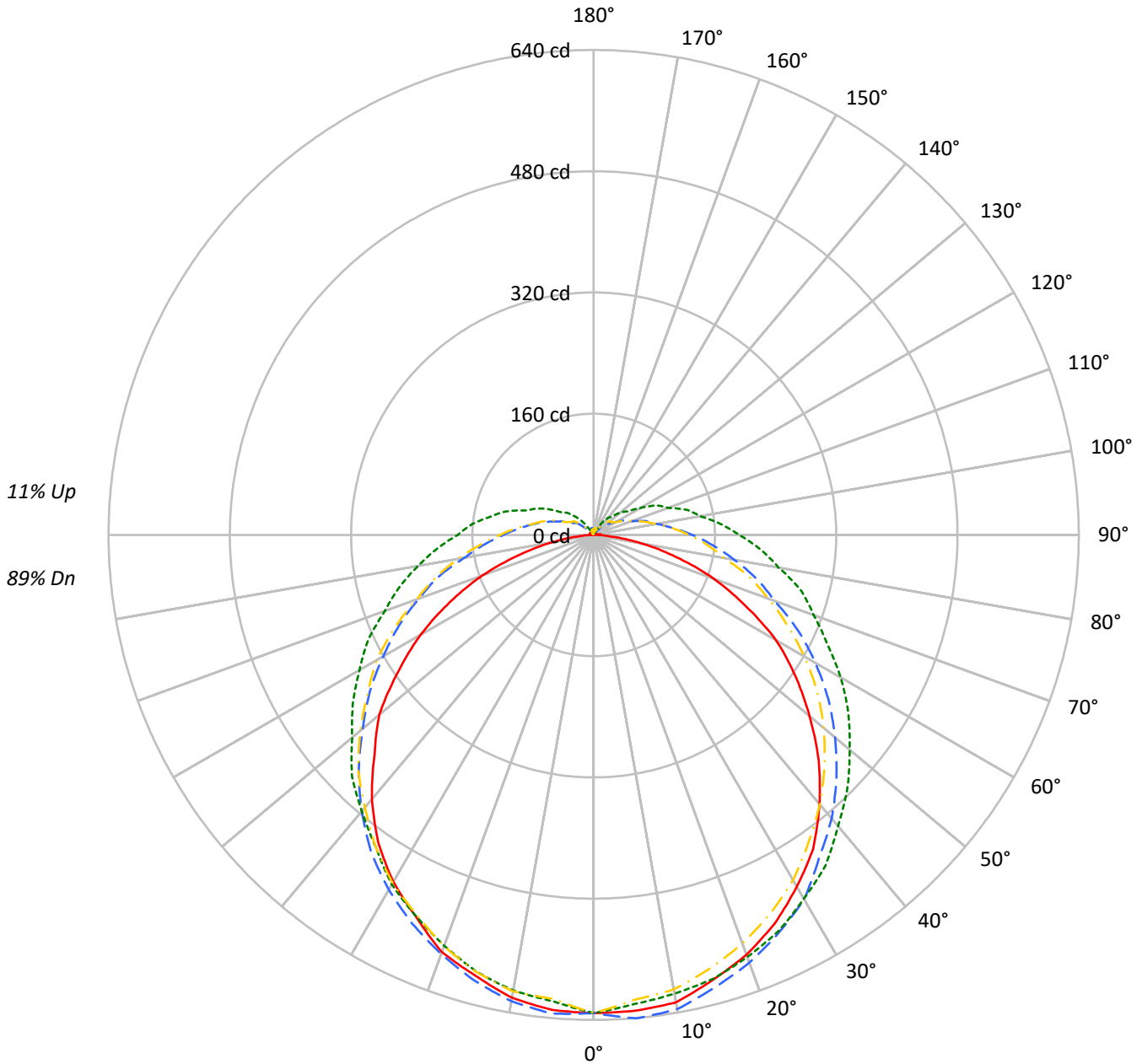
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2382.7 lumens
Efficiency: N/A
Efficacy: 133.9 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): 17.8
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°	7878	7878	7878	7878
5°	7863	7159	7848	7116
10°	7865	6620	7789	6576
15°	7745	6180	7673	6079
20°	7679	5768	7635	5613
25°	7598	5414	7462	5208
30°	7491	5062	7389	4863
35°	7417	4772	7275	4492
40°	7226	4438	7095	4210
45°	7028	4173	6846	3973
50°	6780	3900	6737	3678
55°	6563	3670	6361	3470
60°	6345	3432	6018	3255
65°	5832	3185	5522	3078
70°	5355	3001	4952	2847
75°	4516	2882	4042	2697
80°	3505	2662	3032	2527
85°	1842	2541	1611	2380



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.7	2.5
10°-20°	171.3	7.2
20°-30°	261.1	11.0
30°-40°	319.4	13.4
40°-50°	340.2	14.3
50°-60°	324.7	13.6
60°-70°	279.4	11.7
70°-80°	215.2	9.0
80°-90°	150.2	6.3
90°-100°	102.3	4.3
100°-110°	68.1	2.9
110°-120°	42.7	1.8
120°-130°	25.3	1.1
130°-140°	13.1	0.6
140°-150°	5.2	0.2
150°-160°	2.8	0.1
160°-170°	1.7	0.1
170°-180°	0.4	0.0
0°-30°	492.1	20.7
0°-40°	811.4	34.1
0°-60°	1476.3	62.0
0°-90°	2121.1	89.0
90°-120°	213.0	8.9
90°-150°	256.7	10.8
90°-180°	262.0	11.0
0°-180°	2382.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	631	631	631	631	631	
5°	630	621	629	618	630	60
15°	608	607	602	597	608	172
25°	566	577	555	555	566	261
35°	505	533	495	502	505	315
45°	420	473	409	451	420	323
55°	325	410	315	388	325	291
65°	220	340	209	328	220	220
75°	112	283	101	265	112	121
85°	21	221	18	207	21	28
90°	5	192	2	179	5	6
95°	9	168	0	161	9	3
105°	1	128	3	120	1	1
115°	2	92	4	83	2	3
125°	3	54	2	51	3	3
135°	4	35	2	34	4	3
145°	3	22	3	3	3	2
155°	2	2	1	5	2	1
165°	3	6	4	8	3	1
175°	4	2	2	5	4	0
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	631.0	631.0	631.0	631.0	631.0	631.0	631.0	631.0	631.0	631.0	631.0
5°	630.4	635.9	620.1	640.5	638.5	631.4	621.4	624.1	625.9	615.8	628.7
10°	626.3	625.4	612.1	635.4	630.3	624.1	614.6	619.8	617.3	609.1	622.8
15°	607.9	615.7	604.7	618.0	618.5	616.8	606.7	606.0	603.8	592.4	608.7
20°	589.4	594.0	586.6	600.8	604.3	604.6	592.7	590.8	586.3	573.7	583.7
25°	565.5	569.8	563.5	578.9	579.9	581.5	576.9	564.8	565.0	551.2	557.6
30°	535.9	540.4	534.7	555.3	557.3	556.9	554.5	546.8	542.7	526.0	532.9
35°	505.1	505.8	510.1	518.9	528.1	533.6	533.0	522.2	515.7	494.5	493.0
40°	463.5	465.9	474.1	488.5	495.0	500.5	501.5	495.0	482.7	464.0	458.1
45°	419.6	422.5	438.7	452.9	463.7	474.8	473.4	464.6	453.6	430.8	419.3
50°	371.6	377.5	397.2	415.8	431.2	437.8	440.8	433.4	418.6	395.8	372.9
55°	324.8	330.1	357.3	377.8	393.6	408.0	410.2	399.2	382.3	359.9	329.4
60°	277.9	282.7	307.7	337.6	357.2	374.9	376.3	369.6	342.7	320.7	289.5
65°	220.3	239.1	265.1	297.0	319.6	345.5	339.7	333.8	312.3	281.7	244.0
70°	168.5	186.8	220.0	253.7	289.1	308.7	308.8	303.9	280.8	245.0	206.9
75°	112.5	142.0	181.5	222.0	255.9	276.3	283.4	272.2	242.9	211.9	165.2
80°	63.7	89.4	142.1	188.3	221.3	240.9	247.7	242.1	210.6	173.9	133.6
85°	20.8	61.6	109.6	157.7	193.3	217.2	221.1	208.1	187.1	150.3	98.9
90°	5.1	35.4	82.8	130.2	163.8	185.6	192.0	185.0	161.1	125.7	76.0
95°	9.2	25.1	65.2	104.0	141.3	158.9	167.7	163.3	138.0	103.8	62.6
100°	0.7	10.4	48.0	84.6	118.5	137.3	142.6	141.6	118.7	83.6	45.4
105°	1.1	14.8	33.3	71.1	97.1	121.2	127.9	118.5	97.0	67.4	29.9
110°	2.2	7.7	22.3	52.2	83.1	100.4	104.3	100.0	81.8	54.0	25.4
115°	2.3	6.3	22.4	45.1	63.8	82.0	92.2	77.6	61.5	43.7	23.1
120°	4.0	6.7	17.4	34.8	55.6	59.0	71.2	65.9	50.3	33.9	19.0
125°	3.0	5.7	16.4	27.2	39.2	51.8	54.1	52.3	43.0	28.8	13.8
130°	2.0	6.8	10.9	20.4	36.2	46.0	46.3	43.2	34.3	28.4	7.4
135°	4.0	6.0	8.3	16.3	29.9	34.3	34.6	35.0	28.7	20.9	5.9
140°	4.5	5.6	5.9	8.1	19.4	26.8	28.6	24.5	25.0	12.3	6.6
145°	3.4	6.6	9.7	5.3	10.1	20.9	22.4	23.5	15.6	4.1	8.7
150°	0.0	5.9	10.9	6.7	6.1	4.6	6.8	6.1	3.6	7.7	11.8
155°	2.3	2.0	9.3	6.7	7.4	3.3	1.6	5.5	5.1	8.1	9.2
160°	2.5	2.6	3.6	4.2	7.7	7.8	8.6	12.3	7.9	9.3	3.6
165°	2.7	4.8	3.0	4.0	8.5	4.5	6.3	9.8	6.4	3.6	6.6
170°	2.7	5.2	1.1	1.5	4.2	3.1	7.8	5.1	7.0	4.5	3.1
175°	3.8	5.3	3.8	3.4	7.1	5.7	1.9	0.4	4.1	8.9	0.0
180°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9



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CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	631.0	631.0	631.0	631.0	631.0	631.0	631.0	631.0	631.0	631.0	631.0
5°	622.6	629.2	634.7	624.7	634.1	635.2	634.4	617.7	625.5	624.3	614.4
10°	619.4	620.3	623.3	612.5	624.8	626.2	628.0	610.5	616.8	618.8	611.6
15°	600.0	602.3	611.2	597.5	608.7	611.9	611.9	596.8	604.7	600.6	597.2
20°	587.4	586.0	589.9	579.9	588.4	589.6	597.0	576.7	589.9	588.6	577.6
25°	559.0	555.4	559.0	559.0	566.1	570.6	576.3	554.9	569.6	565.7	552.7
30°	533.0	528.6	529.9	531.8	540.5	543.0	554.1	532.7	545.7	541.1	530.4
35°	498.3	495.4	494.5	502.5	511.6	513.2	524.8	501.7	518.1	509.4	501.7
40°	455.1	455.1	457.0	468.9	476.0	485.6	498.0	475.8	489.8	480.8	469.2
45°	417.0	408.7	407.7	427.3	438.3	450.2	462.6	450.8	459.5	446.5	439.4
50°	368.8	369.2	361.8	380.4	397.5	415.1	427.4	415.8	425.8	416.7	401.7
55°	320.5	314.8	312.9	339.5	360.4	383.8	392.0	387.8	392.6	387.1	363.6
60°	270.0	263.6	268.5	297.3	320.4	348.3	360.0	356.8	352.5	344.7	330.2
65°	221.3	208.6	220.3	253.2	283.4	310.8	323.8	328.3	323.0	311.8	289.5
70°	167.0	155.8	171.6	206.7	245.0	273.1	288.4	292.9	289.8	274.9	248.4
75°	119.0	100.7	125.2	168.9	211.5	238.7	258.0	265.2	257.6	245.9	215.1
80°	81.2	55.1	83.8	131.7	172.8	208.9	226.7	235.1	228.3	208.8	181.3
85°	52.1	18.2	51.9	97.8	144.6	180.9	198.4	207.1	200.7	183.8	149.8
90°	28.1	2.0	33.3	76.4	118.9	151.0	175.4	179.3	174.1	153.0	123.5
95°	19.4	0.1	19.3	53.6	98.0	130.8	150.2	161.4	154.0	132.3	101.8
100°	12.0	4.9	12.0	42.5	81.0	110.7	128.0	138.3	130.1	109.9	82.0
105°	10.7	2.6	11.2	34.6	65.9	89.6	108.9	120.0	111.4	94.7	69.0
110°	7.9	1.2	5.7	25.7	51.5	79.5	90.0	94.1	93.5	77.2	55.5
115°	6.4	4.5	0.0	22.7	42.2	63.3	72.6	82.8	78.4	61.8	39.6
120°	4.9	5.7	5.3	12.7	30.9	51.5	59.4	67.5	59.4	52.9	33.9
125°	7.5	2.5	8.9	4.0	28.3	44.4	51.5	51.4	51.8	42.8	31.7
130°	4.5	0.7	9.4	2.2	12.6	32.4	40.9	45.4	42.6	34.7	18.7
135°	5.7	2.3	5.6	6.7	5.5	20.4	36.1	34.0	36.2	25.7	3.6
140°	2.3	1.9	6.1	5.6	4.1	3.1	10.0	21.9	13.3	0.4	2.6
145°	8.3	3.3	7.7	10.2	5.3	7.1	5.7	2.7	6.7	0.1	0.8
150°	6.4	0.0	5.2	10.8	6.1	3.0	1.2	1.1	0.0	2.5	5.2
155°	5.9	1.1	9.7	10.1	6.4	11.9	7.4	4.6	7.5	8.6	6.7
160°	6.4	3.1	5.1	8.9	9.4	8.3	10.2	9.0	7.1	8.3	6.8
165°	8.2	3.7	2.6	8.1	7.7	7.7	6.6	8.1	5.9	7.7	2.7
170°	4.5	4.5	7.8	4.5	9.0	7.1	8.9	5.1	4.9	4.2	5.1
175°	3.3	2.0	4.9	3.7	5.3	4.4	6.3	5.2	5.6	4.0	8.1
180°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9



TEST NUMBER: P600864

CATALOG NUMBER: 4SLSTPSLC-UNV-LO-5000K

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	631.0	631.0	631.0
5°	631.1	625.4	630.4
10°	619.8	619.8	626.3
15°	605.0	610.2	607.9
20°	588.4	590.1	589.4
25°	566.5	566.5	565.5
30°	537.7	539.0	535.9
35°	508.1	506.8	505.1
40°	467.4	468.4	463.5
45°	430.3	430.9	419.6
50°	388.2	384.5	371.6
55°	343.9	337.4	324.8
60°	301.7	283.5	277.9
65°	259.9	235.6	220.3
70°	215.3	189.2	168.5
75°	172.7	134.6	112.5
80°	136.6	94.4	63.7
85°	107.1	55.7	20.8
90°	82.7	35.8	5.1
95°	61.3	18.0	9.2
100°	45.5	11.6	0.7
105°	33.2	10.7	1.1
110°	24.5	6.6	2.2
115°	23.8	7.5	2.3
120°	15.2	6.3	4.0
125°	4.8	9.2	3.0
130°	1.4	2.3	2.0
135°	7.5	5.3	4.0
140°	7.7	4.9	4.5
145°	7.0	8.2	3.4
150°	4.8	7.1	0.0
155°	7.7	5.1	2.3
160°	4.0	3.6	2.5
165°	6.4	5.2	2.7
170°	6.6	3.0	2.7
175°	1.9	2.6	3.8
180°	3.9	3.9	3.9



Report Generated By 670246072 / DESKTOP-MV3F9LC





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











(END OF REPORT)