

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: P600867

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

Issue Date: 7/7/2022



Test Information

Test Method: LM-79-08
Report Number: P600867
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-5000K
Description: G3 4ft 4SLSTPSLC-UNV 30W at 5000K
Light Source: -
Ballast/Driver: -

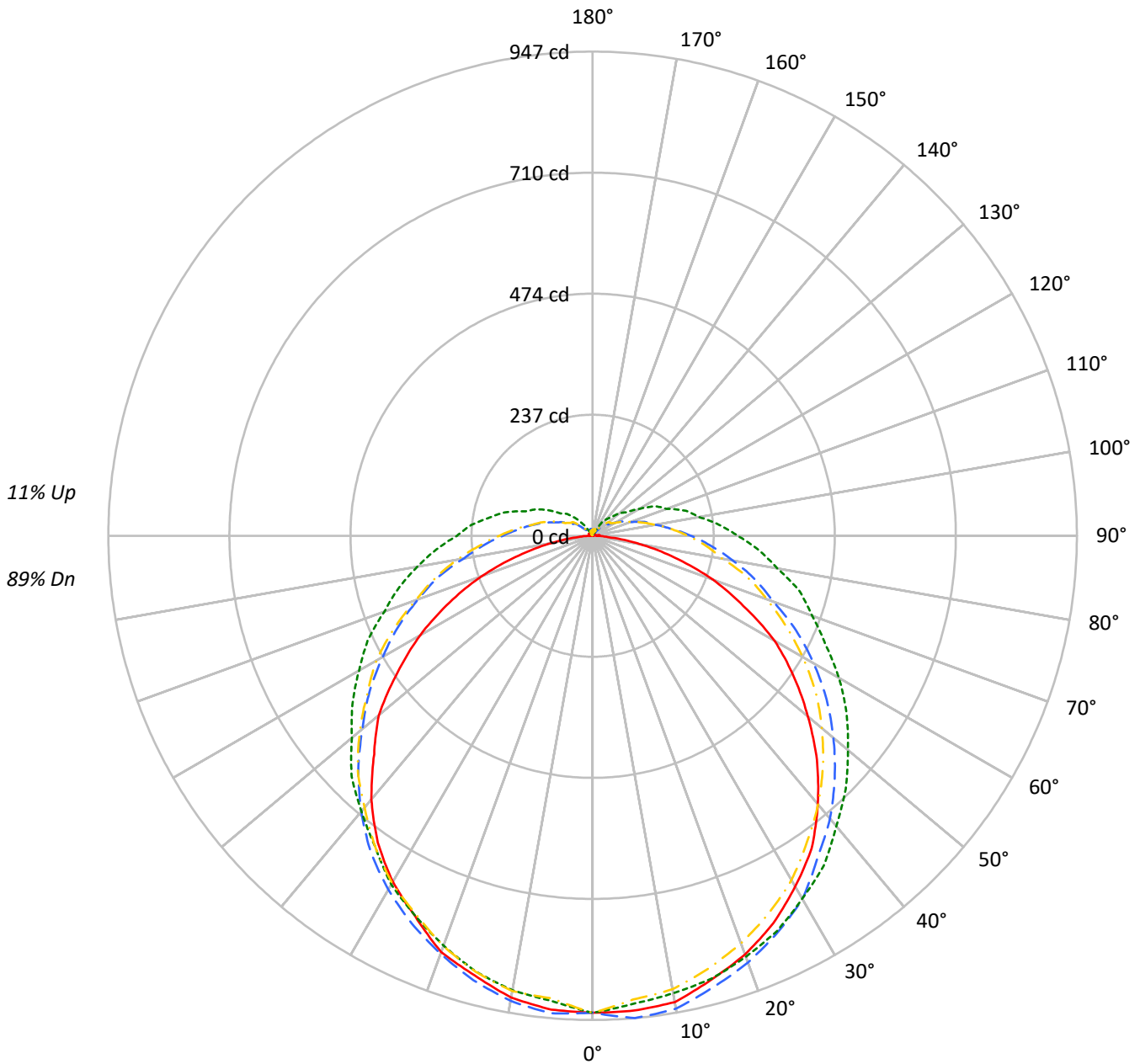
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3522.6 lumens
Efficiency: N/A
Efficacy: 116.3 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): 30.3
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

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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°	11646	11646	11646	11646
5°	11626	10584	11602	10522
10°	11628	9787	11516	9722
15°	11449	9136	11344	8989
20°	11355	8528	11288	8299
25°	11234	8005	11034	7699
30°	11076	7483	10926	7190
35°	10966	7055	10756	6641
40°	10682	6561	10490	6224
45°	10392	6169	10120	5874
50°	10026	5765	9959	5438
55°	9703	5426	9404	5130
60°	9381	5074	8897	4811
65°	8619	4708	8166	4550
70°	7917	4437	7319	4209
75°	6675	4261	5977	3987
80°	5178	3936	4479	3737
85°	2718	3755	2382	3519



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.3	2.5
10°-20°	253.3	7.2
20°-30°	386.0	11.0
30°-40°	472.2	13.4
40°-50°	502.9	14.3
50°-60°	480.0	13.6
60°-70°	413.1	11.7
70°-80°	318.1	9.0
80°-90°	222.1	6.3
90°-100°	151.2	4.3
100°-110°	100.6	2.9
110°-120°	63.1	1.8
120°-130°	37.4	1.1
130°-140°	19.4	0.6
140°-150°	7.6	0.2
150°-160°	4.2	0.1
160°-170°	2.5	0.1
170°-180°	0.6	0.0
0°-30°	727.5	20.7
0°-40°	1199.7	34.1
0°-60°	2182.6	62.0
0°-90°	3135.9	89.0
90°-120°	314.9	8.9
90°-150°	379.4	10.8
90°-180°	387.0	11.0
0°-180°	3522.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	933	933	933	933	933	
5°	932	919	930	913	932	89
15°	899	897	890	882	899	254
25°	836	853	821	820	836	385
35°	747	788	732	742	747	466
45°	620	700	604	666	620	478
55°	480	606	465	573	480	430
65°	326	502	308	485	326	325
75°	166	419	149	392	166	178
85°	31	327	27	306	31	41
90°	8	284	3	265	8	8
95°	14	248	0	239	14	5
105°	2	189	4	177	2	2
115°	3	136	7	122	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	



TEST NUMBER: P600867

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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	932.9	932.9	932.9	932.9	932.9	932.9	932.9	932.9	932.9	932.9	932.9
5°	932.1	940.1	916.7	947.0	944.0	933.5	918.7	922.8	925.4	910.4	929.4
10°	926.0	924.6	905.0	939.3	931.9	922.8	908.6	916.3	912.7	900.5	920.7
15°	898.7	910.2	894.1	913.7	914.5	911.9	896.9	895.9	892.7	875.9	899.9
20°	871.5	878.1	867.2	888.2	893.5	893.9	876.3	873.5	866.8	848.2	863.0
25°	836.1	842.4	833.1	855.9	857.3	859.7	852.9	835.1	835.3	814.9	824.4
30°	792.3	798.9	790.4	820.9	824.0	823.4	819.7	808.4	802.4	777.7	787.8
35°	746.8	747.8	754.1	767.2	780.8	788.8	788.0	772.1	762.4	731.1	728.8
40°	685.2	688.8	701.0	722.2	731.9	739.9	741.4	731.9	713.7	686.0	677.3
45°	620.4	624.6	648.6	669.6	685.6	702.0	699.9	686.8	670.7	636.9	620.0
50°	549.5	558.1	587.2	614.7	637.5	647.2	651.7	640.8	618.9	585.2	551.3
55°	480.2	488.0	528.2	558.5	582.0	603.2	606.4	590.3	565.2	532.1	487.0
60°	410.9	417.9	454.9	499.2	528.0	554.3	556.3	546.4	506.6	474.1	428.0
65°	325.6	353.5	391.9	439.2	472.5	510.9	502.2	493.5	461.8	416.5	360.8
70°	249.1	276.1	325.2	375.1	427.4	456.3	456.5	449.3	415.1	362.2	305.8
75°	166.3	209.9	268.3	328.3	378.4	408.5	419.0	402.4	359.2	313.3	244.2
80°	94.1	132.1	210.1	278.4	327.2	356.1	366.2	358.0	311.3	257.2	197.6
85°	30.7	91.1	162.0	233.1	285.8	321.2	326.8	307.7	276.5	222.2	146.3
90°	7.5	52.3	122.4	192.5	242.2	274.3	283.8	273.5	238.2	185.8	112.3
95°	13.5	37.2	96.4	153.7	208.9	234.9	247.9	241.4	204.0	153.5	92.5
100°	1.0	15.4	70.9	125.0	175.1	203.0	210.9	209.3	175.5	123.6	67.1
105°	1.6	21.8	49.3	105.0	143.6	179.2	189.1	175.1	143.4	99.6	44.2
110°	3.2	11.3	32.9	77.2	122.8	148.5	154.1	147.9	121.0	79.8	37.6
115°	3.4	9.3	33.1	66.7	94.3	121.2	136.4	114.7	90.9	64.6	34.1
120°	5.9	9.9	25.7	51.5	82.2	87.3	105.2	97.4	74.3	50.1	28.1
125°	4.4	8.5	24.2	40.2	58.0	76.6	80.0	77.4	63.6	42.6	20.4
130°	3.0	10.1	16.2	30.1	53.5	68.1	68.5	63.8	50.7	42.0	10.9
135°	5.9	8.9	12.3	24.0	44.2	50.7	51.1	51.7	42.4	30.9	8.7
140°	6.7	8.3	8.7	11.9	28.7	39.6	42.2	36.2	37.0	18.2	9.7
145°	5.1	9.7	14.3	7.9	14.9	30.9	33.1	34.7	23.0	6.1	12.9
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	13.7	9.9	10.9	4.8	2.4	8.1	7.5	11.9	13.5
160°	3.6	3.8	5.3	6.3	11.3	11.5	12.7	18.2	11.7	13.7	5.3
165°	4.0	7.1	4.4	5.9	12.5	6.7	9.3	14.5	9.5	5.3	9.7
170°	4.0	7.7	1.6	2.2	6.3	4.6	11.5	7.5	10.3	6.7	4.6
175°	5.7	7.9	5.7	5.1	10.5	8.5	2.8	0.6	6.1	13.1	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-5000K

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	932.9	932.9	932.9	932.9	932.9	932.9	932.9	932.9	932.9	932.9	932.9
5°	920.5	930.2	938.3	923.6	937.5	939.1	937.9	913.3	924.8	923.0	908.4
10°	915.7	917.1	921.5	905.6	923.8	925.8	928.4	902.6	911.9	914.9	904.2
15°	887.0	890.4	903.6	883.4	899.9	904.6	904.6	882.4	894.1	888.0	883.0
20°	868.4	866.4	872.1	857.3	869.8	871.7	882.6	852.7	872.1	870.2	853.9
25°	826.4	821.2	826.4	826.4	836.9	843.6	852.1	820.3	842.2	836.3	817.1
30°	788.0	781.6	783.4	786.2	799.1	802.8	819.1	787.6	806.8	799.9	784.2
35°	736.7	732.5	731.1	743.0	756.3	758.7	775.9	741.8	766.0	753.1	741.8
40°	672.9	672.9	675.7	693.3	703.8	717.9	736.3	703.4	724.2	710.9	693.7
45°	616.5	604.2	602.8	631.7	648.0	665.6	684.0	666.4	679.3	660.2	649.6
50°	545.2	545.8	534.9	562.4	587.6	613.7	631.9	614.7	629.4	616.1	593.9
55°	473.9	465.4	462.6	502.0	532.9	567.4	579.6	573.3	580.4	572.3	537.5
60°	399.2	389.7	396.9	439.6	473.7	514.9	532.3	527.4	521.2	509.7	488.2
65°	327.2	308.5	325.6	374.3	419.0	459.6	478.8	485.4	477.5	461.0	428.0
70°	246.9	230.3	253.7	305.6	362.2	403.8	426.4	433.1	428.5	406.4	367.2
75°	175.9	148.9	185.0	249.7	312.7	352.9	381.4	392.1	380.8	363.6	318.0
80°	120.0	81.4	123.8	194.7	255.5	308.9	335.1	347.7	337.6	308.7	268.1
85°	77.0	26.9	76.8	144.6	213.7	267.5	293.3	306.2	296.7	271.7	221.4
90°	41.6	3.0	49.3	112.9	175.7	223.2	259.4	265.0	257.4	226.2	182.6
95°	28.7	0.2	28.5	79.2	144.8	193.3	222.0	238.6	227.7	195.5	150.5
100°	17.8	7.3	17.8	62.8	119.8	163.6	189.3	204.4	192.3	162.4	121.2
105°	15.8	3.8	16.6	51.1	97.4	132.5	161.0	177.4	164.6	140.0	102.0
110°	11.7	1.8	8.5	38.0	76.2	117.6	133.1	139.2	138.2	114.1	82.0
115°	9.5	6.7	0.0	33.5	62.4	93.5	107.3	122.4	116.0	91.3	58.6
120°	7.3	8.5	7.9	18.8	45.7	76.2	87.9	99.8	87.9	78.2	50.1
125°	11.1	3.6	13.1	5.9	41.8	65.7	76.2	76.0	76.6	63.2	46.9
130°	6.7	1.0	13.9	3.2	18.6	47.9	60.4	67.1	63.0	51.3	27.7
135°	8.5	3.4	8.3	9.9	8.1	30.1	53.3	50.3	53.5	38.0	5.3
140°	3.4	2.8	9.1	8.3	6.1	4.6	14.7	32.3	19.6	0.6	3.8
145°	12.3	4.8	11.3	15.2	7.9	10.5	8.5	4.0	9.9	0.2	1.2
150°	9.5	0.0	7.7	16.0	9.1	4.4	1.8	1.6	0.0	3.6	7.7
155°	8.7	1.6	14.3	14.9	9.5	17.6	10.9	6.9	11.1	12.7	9.9
160°	9.5	4.6	7.5	13.1	13.9	12.3	15.2	13.3	10.5	12.3	10.1
165°	12.1	5.5	3.8	11.9	11.3	11.3	9.7	11.9	8.7	11.3	4.0
170°	6.7	6.7	11.5	6.7	13.3	10.5	13.1	7.5	7.3	6.3	7.5
175°	4.8	3.0	7.3	5.5	7.9	6.5	9.3	7.7	8.3	5.9	11.9
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: P600867

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	932.9	932.9	932.9
5°	933.1	924.6	932.1
10°	916.3	916.3	926.0
15°	894.5	902.2	898.7
20°	869.8	872.5	871.5
25°	837.5	837.5	836.1
30°	794.9	796.9	792.3
35°	751.3	749.2	746.8
40°	691.1	692.5	685.2
45°	636.1	637.1	620.4
50°	573.9	568.4	549.5
55°	508.4	498.8	480.2
60°	446.0	419.2	410.9
65°	384.2	348.3	325.6
70°	318.4	279.8	249.1
75°	255.3	199.0	166.3
80°	202.0	139.6	94.1
85°	158.4	82.4	30.7
90°	122.2	52.9	7.5
95°	90.7	26.7	13.5
100°	67.3	17.2	1.0
105°	49.1	15.8	1.6
110°	36.2	9.7	3.2
115°	35.1	11.1	3.4
120°	22.4	9.3	5.9
125°	7.1	13.5	4.4
130°	2.0	3.4	3.0
135°	11.1	7.9	5.9
140°	11.3	7.3	6.7
145°	10.3	12.1	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	4.0
170°	9.7	4.4	4.0
175°	2.8	3.8	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)