

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: P600847

Luminaire Tested: **2SLSTPSC-UNV-3500K**

Issue Date: 7/7/2022



Test Information

Test Method: LM-79-08
Report Number: P600847
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (220317012-01-001)
Test Lab: INNOVATION CENTER
Issue Date: 7/7/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SLSTPSC-UNV-3500K
Description: G3 2ft 2SLSTPSC-UNV at 3500K
Light Source: -
Ballast/Driver: -

Summary

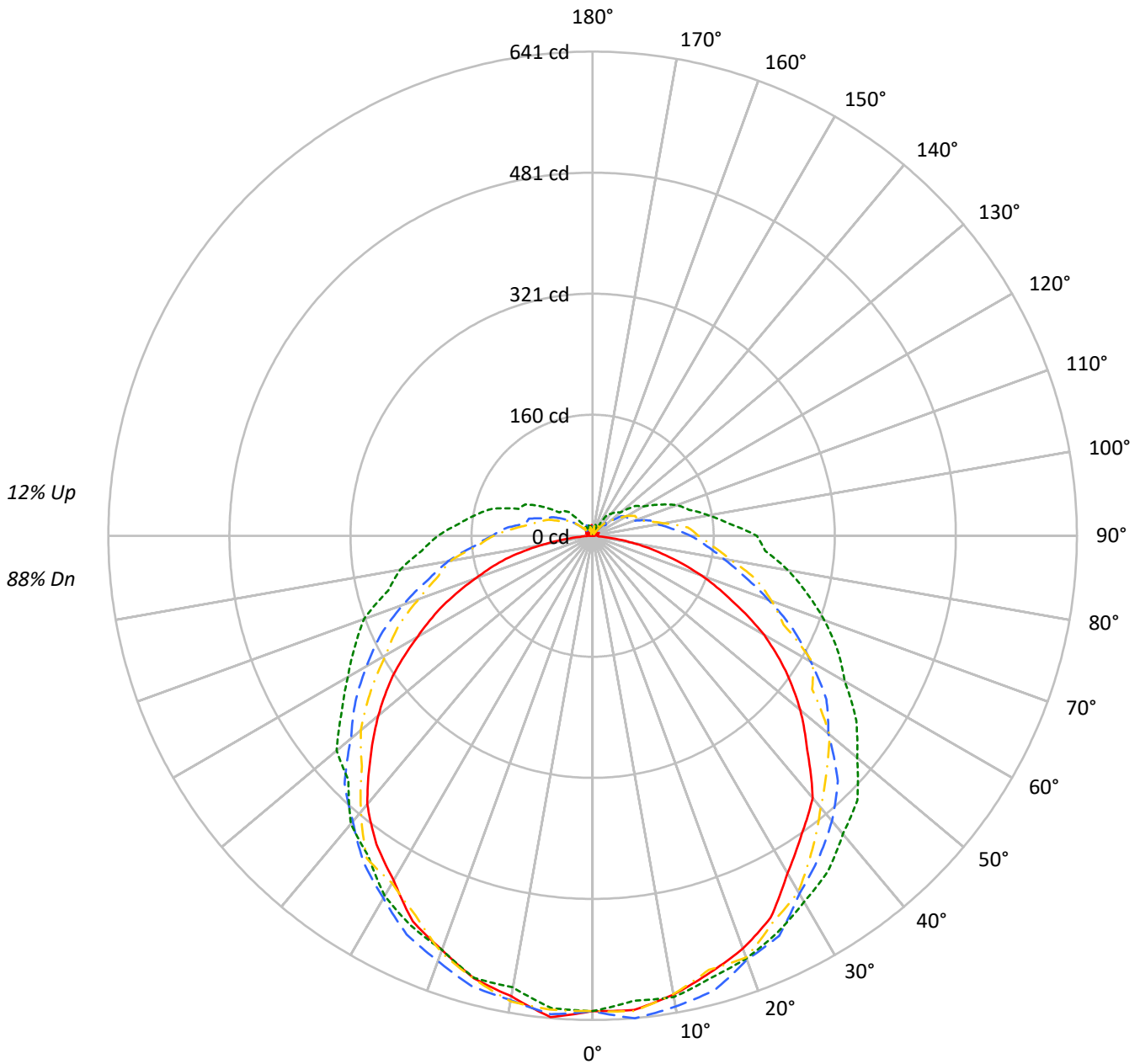
Lumens per Lamp: N/A
Luminaire Lumens: 2445.4 lumens
Efficiency: N/A
Efficacy: 113.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.42
Luminous Opening: Rectangular w/ Sides (W: 0.22' x L: 2' x H: 0.22')
CIE Type: Semi-Direct

Input Watts (W): 21.6
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				20				20	
RC	80				70				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	104	104	104	97	97	97	91	91	91	88				88
1	104	98	93	88	99	94	90	85	88	84	80	82	79	76	76	74	72	69				69
2	93	84	76	70	89	81	74	68	75	70	65	70	66	61	66	62	58	55				55
3	85	73	64	57	81	71	62	56	66	59	53	61	56	51	57	53	49	46				46
4	77	64	55	48	74	62	54	47	58	51	45	54	48	43	51	46	41	38				38
5	71	57	48	41	68	55	47	40	52	44	38	49	42	37	46	40	35	33				33
6	65	51	42	35	62	50	41	35	47	39	33	44	37	32	41	35	31	29				29
7	60	46	37	31	58	45	37	30	42	35	29	40	33	28	38	32	27	25				25
8	56	42	33	27	54	41	33	27	39	31	26	36	30	25	34	29	24	22				22
9	52	39	30	25	50	38	30	24	36	28	23	34	27	23	32	26	22	20				20
10	49	36	28	22	47	35	27	22	33	26	21	31	25	21	29	24	20	18				18

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15713	15713	15713	15713
5°	15647	14242	15883	14461
10°	15346	13357	15403	13081
15°	15050	12344	15239	12344
20°	14871	11589	14912	11354
25°	14627	10875	14774	10690
30°	13997	10219	14290	10051
35°	13666	9717	14131	9270
40°	13540	9122	13866	8808
45°	12800	8733	13250	8058
50°	12343	8088	12739	7826
55°	11758	7622	12165	7253
60°	11020	7029	11256	6825
65°	9736	6707	10475	6510
70°	8600	6340	9248	6259
75°	6874	5969	8207	5695
80°	4796	5645	5847	5561
85°	1012	5268	2102	5215



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.7	2.4
10°-20°	171.5	7.0
20°-30°	262.3	10.7
30°-40°	321.1	13.1
40°-50°	343.8	14.1
50°-60°	329.1	13.5
60°-70°	284.1	11.6
70°-80°	221.5	9.1
80°-90°	158.7	6.5
90°-100°	110.6	4.5
100°-110°	74.3	3.0
110°-120°	49.3	2.0
120°-130°	30.0	1.2
130°-140°	15.3	0.6
140°-150°	7.1	0.3
150°-160°	4.0	0.2
160°-170°	2.3	0.1
170°-180°	0.6	0.0
0°-30°	493.6	20.2
0°-40°	814.7	33.3
0°-60°	1487.6	60.8
0°-90°	2151.9	88.0
90°-120°	234.1	9.6
90°-150°	286.6	11.7
90°-180°	294.0	12.0
0°-180°	2445.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	629	629	629	629	629	
5°	630	618	640	628	630	60
15°	599	606	607	606	599	169
25°	558	579	563	570	558	255
35°	482	543	499	518	482	303
45°	402	495	416	457	402	312
55°	312	426	323	405	312	278
65°	203	358	218	347	203	203
75°	100	294	119	280	100	107
85°	8	229	16	227	8	19
90°	8	217	2	205	8	4
95°	2	182	2	178	2	2
105°	4	132	2	138	4	4
115°	9	98	0	98	9	6
125°	3	69	0	54	3	1
135°	2	45	6	44	2	2
145°	4	35	5	14	4	3
155°	12	9	0	4	12	4
165°	6	15	5	9	6	1
175°	3	5	14	4	3	1
180°	8	8	8	8	8	



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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	629.3	629.3	629.3	629.3	629.3	629.3	629.3	629.3	629.3	629.3	629.3
5°	630.2	625.3	618.4	641.3	647.9	631.2	618.1	624.6	621.7	631.5	630.2
10°	616.8	610.5	625.3	632.8	639.1	613.5	620.0	617.1	617.7	616.1	627.9
15°	599.1	593.5	601.7	623.0	626.6	613.8	605.9	605.3	605.0	594.8	607.6
20°	581.7	583.6	578.1	597.1	609.9	606.6	595.4	596.4	587.2	594.1	586.6
25°	557.7	549.2	565.3	584.3	597.7	588.2	579.4	569.9	573.8	564.6	556.8
30°	515.8	521.0	534.8	547.2	566.3	563.0	559.7	552.2	533.8	544.3	530.5
35°	482.3	491.8	499.0	521.3	530.9	536.1	542.7	527.6	522.7	506.9	501.0
40°	453.1	451.5	465.3	492.8	501.3	511.8	515.4	510.8	497.7	469.5	462.3
45°	401.7	400.0	440.4	459.0	469.2	476.4	495.4	474.5	464.6	438.1	428.2
50°	358.7	360.0	387.6	407.2	432.2	442.0	457.1	436.1	431.5	409.2	383.3
55°	311.8	308.5	348.9	377.7	403.3	418.1	425.9	410.8	388.5	354.8	339.0
60°	262.0	267.6	297.4	333.5	360.7	373.8	385.3	375.4	358.4	336.7	285.6
65°	203.0	220.7	253.5	292.5	322.6	347.2	357.7	340.7	322.6	279.0	252.8
70°	152.8	179.0	214.4	247.2	288.2	309.9	326.2	309.2	297.4	252.1	203.9
75°	100.0	123.0	172.1	207.6	247.9	283.3	293.5	281.7	258.0	223.9	168.2
80°	53.8	83.9	128.5	175.7	227.6	256.1	262.6	241.3	227.2	185.9	141.0
85°	7.9	51.2	102.3	150.8	205.3	226.9	229.2	234.1	197.7	159.4	102.6
90°	7.9	30.8	83.9	129.8	173.1	193.8	217.4	196.7	178.0	140.0	83.0
95°	2.0	25.9	70.5	105.6	138.7	170.5	181.6	175.1	147.5	126.6	68.5
100°	0.7	10.8	47.2	87.2	129.5	145.3	155.7	142.6	122.3	94.8	56.7
105°	3.6	9.5	26.2	78.4	102.0	126.6	132.5	125.3	111.8	73.8	38.7
110°	5.6	3.3	22.0	57.7	80.7	104.6	118.7	108.5	79.0	63.3	28.5
115°	9.2	12.1	23.0	52.1	69.5	97.1	97.7	84.9	72.8	62.0	24.6
120°	0.0	2.0	32.5	51.2	59.3	78.4	77.4	77.1	68.2	52.1	23.0
125°	2.6	4.6	19.0	44.9	57.7	58.7	68.9	68.9	49.8	39.7	22.0
130°	0.0	3.0	7.9	21.3	41.6	43.0	47.5	45.9	40.0	31.1	10.5
135°	2.0	10.5	0.7	24.3	34.4	34.8	44.6	42.6	31.1	25.9	4.6
140°	7.5	7.2	14.4	7.5	29.5	42.6	37.7	41.0	39.0	11.8	8.9
145°	3.6	1.6	19.0	7.2	1.6	30.2	35.1	26.2	11.8	2.6	14.1
150°	7.2	7.9	9.5	11.5	10.2	4.9	9.8	1.6	8.5	16.4	7.9
155°	11.5	11.8	12.5	10.5	6.9	4.3	9.2	7.9	8.2	10.8	8.9
160°	0.0	13.1	3.0	3.6	14.4	6.9	11.8	0.0	20.3	7.5	9.5
165°	5.9	6.9	11.8	8.9	11.1	9.8	15.1	4.6	9.2	3.6	6.6
170°	9.5	5.9	0.0	13.4	4.9	0.0	0.0	7.5	10.5	12.8	4.6
175°	3.3	0.0	4.9	9.2	16.4	4.6	5.2	11.1	4.6	7.2	4.3
180°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8



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CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	629.3	629.3	629.3	629.3	629.3	629.3	629.3	629.3	629.3	629.3	629.3
5°	633.8	639.7	627.3	617.4	635.8	649.9	625.0	627.6	620.0	623.6	629.9
10°	620.4	619.1	616.8	620.4	624.3	637.7	615.8	607.2	604.6	613.5	625.9
15°	613.8	606.6	603.3	599.7	617.4	630.2	612.2	605.9	593.5	604.3	607.2
20°	599.4	583.3	586.6	594.8	599.1	603.0	590.9	583.3	576.1	585.0	586.6
25°	570.2	563.3	560.7	564.6	582.3	589.2	575.4	569.5	566.3	561.0	554.5
30°	536.4	526.6	536.1	544.6	554.1	572.8	564.6	550.5	541.0	544.0	530.9
35°	491.5	498.7	496.4	511.5	528.2	541.3	524.6	517.7	512.8	507.2	521.3
40°	460.4	464.0	460.0	468.6	493.8	502.3	504.0	497.7	495.1	481.7	477.1
45°	411.5	415.8	419.7	437.7	464.3	484.9	467.6	457.1	462.7	448.6	431.8
50°	369.5	370.2	378.7	388.9	417.4	440.0	450.5	442.3	436.7	415.8	400.4
55°	323.0	322.6	323.6	358.4	383.3	399.7	411.8	405.3	400.4	379.4	358.4
60°	270.8	267.6	291.5	308.2	345.6	372.2	382.0	374.1	364.3	354.4	315.8
65°	213.5	218.4	235.8	267.6	309.2	324.0	337.4	347.2	330.5	312.2	284.0
70°	171.5	164.3	186.2	231.2	266.9	294.4	308.9	322.0	305.6	286.2	244.6
75°	117.4	119.4	139.4	183.6	225.3	262.0	281.7	280.0	278.7	239.7	212.8
80°	86.2	65.6	97.7	150.8	194.1	230.2	244.6	258.7	245.9	223.6	190.8
85°	62.6	16.4	68.5	103.0	157.1	195.1	216.1	226.9	218.0	190.8	152.5
90°	42.0	2.3	32.8	90.2	132.8	170.8	187.9	204.6	181.3	163.6	131.2
95°	18.0	1.6	21.0	64.3	115.4	140.0	159.4	178.0	165.3	142.6	105.3
100°	24.9	0.0	22.3	47.2	90.5	120.7	145.6	157.7	148.2	118.4	83.9
105°	18.0	1.6	11.5	35.7	87.2	102.6	119.0	138.0	122.6	93.4	72.5
110°	15.1	11.1	8.5	22.6	65.9	91.2	95.1	104.3	97.4	85.6	62.0
115°	13.8	0.0	11.1	25.9	58.4	66.6	86.2	98.4	78.7	66.6	43.0
120°	10.5	10.2	5.2	13.8	43.9	55.4	77.7	77.1	70.5	59.3	40.3
125°	7.5	0.0	0.0	9.5	29.5	53.1	60.3	53.8	51.5	44.9	32.1
130°	9.2	8.5	14.1	2.0	10.2	42.0	47.9	51.2	59.0	35.7	11.5
135°	16.7	6.2	8.9	0.7	5.6	16.1	41.3	44.3	37.1	22.3	15.1
140°	7.2	3.9	8.5	1.6	5.2	10.2	3.6	15.7	0.0	4.9	1.0
145°	7.5	5.2	5.6	16.1	3.6	4.9	13.1	13.8	10.5	7.9	6.6
150°	2.6	7.5	3.3	8.9	16.1	20.0	4.9	6.6	7.2	8.5	9.8
155°	7.5	0.0	11.1	4.9	13.8	16.4	6.9	3.6	2.0	12.8	8.2
160°	1.3	0.0	6.2	14.4	11.1	6.9	11.5	14.8	14.4	10.8	4.3
165°	10.2	5.2	7.2	1.6	7.2	12.1	10.2	8.9	20.0	11.1	11.8
170°	0.0	3.0	15.4	9.8	0.3	0.0	5.6	13.4	9.2	0.7	7.9
175°	3.3	14.1	0.0	6.2	12.5	5.9	3.6	4.3	4.6	4.9	0.0
180°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8



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CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	629.3	629.3	629.3
5°	638.1	620.7	630.2
10°	620.4	614.1	616.8
15°	602.3	606.3	599.1
20°	576.1	587.2	581.7
25°	560.7	557.4	557.7
30°	528.9	521.7	515.8
35°	486.6	490.8	482.3
40°	468.2	454.5	453.1
45°	424.3	405.9	401.7
50°	390.2	371.2	358.7
55°	344.3	318.1	311.8
60°	308.5	277.1	262.0
65°	259.0	226.9	203.0
70°	206.9	164.9	152.8
75°	171.8	121.6	100.0
80°	138.4	89.8	53.8
85°	106.6	61.0	7.9
90°	78.7	28.2	7.9
95°	64.9	22.6	2.0
100°	50.2	19.0	0.7
105°	26.6	17.1	3.6
110°	27.2	7.9	5.6
115°	25.6	16.4	9.2
120°	16.1	0.0	0.0
125°	14.1	3.9	2.6
130°	6.9	17.4	0.0
135°	4.9	3.0	2.0
140°	8.2	8.2	7.5
145°	6.6	13.8	3.6
150°	16.7	6.6	7.2
155°	3.9	7.5	11.5
160°	5.9	12.8	0.0
165°	2.6	11.1	5.9
170°	12.5	9.5	9.5
175°	8.2	8.9	3.3
180°	7.8	7.8	7.8



Report Generated By 670246072 / DESKTOP-MV3F9LC





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











(END OF REPORT)