

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: P600844

Luminaire Tested: **2SLSTPSC-347-3500K**

Issue Date: 7/7/2022

Test Information

Test Method: LM-79-08
Report Number: P600844
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-347-3500K
Description: G3 2ft 2SLSTPSC-347 at 3500K
Light Source: -
Ballast/Driver: -

Summary

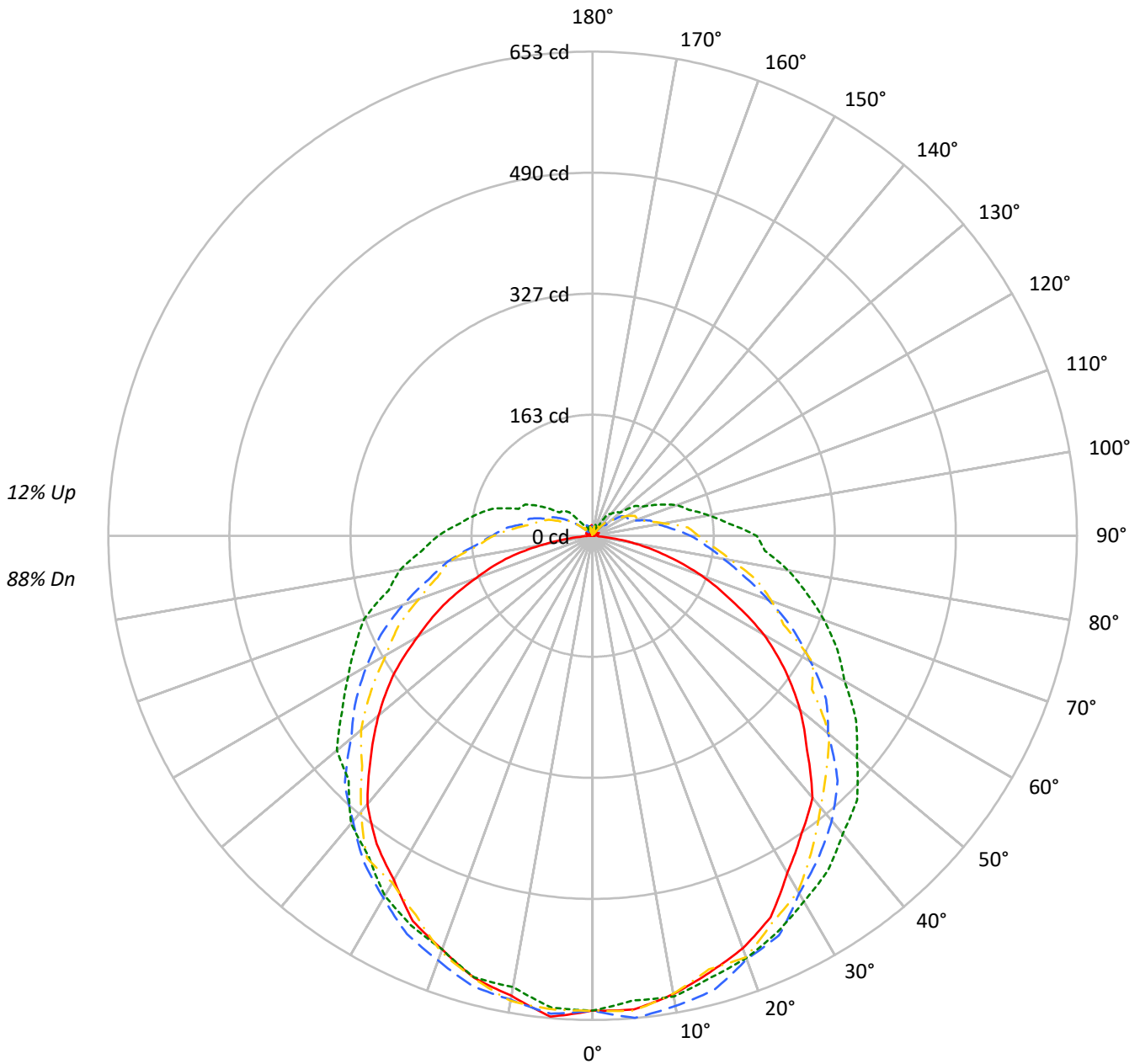
Lumens per Lamp: N/A
Luminaire Lumens: 2488.6 lumens
Efficiency: N/A
Efficacy: 114.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.42
Luminous Opening: Rectangular w/ Sides (W: 0.22' x L: 2' x H: 0.22')
CIE Type: Semi-Direct

Input Watts (W): 21.7
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	104	104	104	97	97	97	91	91	91	88																			
1	104	98	93	88	99	94	90	85	88	84	80	82	79	76	76	74	72	69																			
2	93	84	76	70	89	81	74	68	75	70	65	70	66	61	66	62	58	55																			
3	85	73	64	57	81	71	62	56	66	59	53	61	56	51	57	53	49	46																			
4	77	64	55	48	74	62	54	47	58	51	45	54	48	43	51	46	41	38																			
5	71	57	48	41	68	55	47	40	52	44	38	49	42	37	46	40	35	33																			
6	65	51	42	35	62	50	41	35	47	39	33	44	37	32	41	35	31	29																			
7	60	46	37	31	58	45	37	30	42	35	29	40	33	28	38	32	27	25																			
8	56	42	33	27	54	41	33	27	39	31	26	36	30	25	34	29	24	22																			
9	52	39	30	25	50	38	30	24	36	28	23	34	27	23	32	26	22	20																			
10	49	36	28	22	47	35	27	22	33	26	21	31	25	21	29	24	20	18																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15990	15990	15990	15990
5°	15923	14493	16164	14717
10°	15617	13594	15674	13314
15°	15314	12564	15507	12564
20°	15134	11796	15175	11554
25°	14887	11067	15036	10879
30°	14244	10400	14543	10230
35°	13910	9887	14380	9434
40°	13782	9284	14111	8964
45°	13027	8888	13482	8201
50°	12563	8231	12962	7964
55°	11965	7758	12380	7380
60°	11213	7153	11453	6945
65°	9909	6827	10657	6626
70°	8752	6453	9411	6370
75°	6998	6073	8352	5796
80°	4876	5746	5945	5660
85°	1025	5360	2140	5307



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.8	2.4
10°-20°	174.6	7.0
20°-30°	267.0	10.7
30°-40°	326.8	13.1
40°-50°	349.9	14.1
50°-60°	334.9	13.5
60°-70°	289.1	11.6
70°-80°	225.4	9.1
80°-90°	161.5	6.5
90°-100°	112.5	4.5
100°-110°	75.6	3.0
110°-120°	50.1	2.0
120°-130°	30.6	1.2
130°-140°	15.6	0.6
140°-150°	7.2	0.3
150°-160°	4.0	0.2
160°-170°	2.4	0.1
170°-180°	0.6	0.0
0°-30°	502.3	20.2
0°-40°	829.1	33.3
0°-60°	1513.9	60.8
0°-90°	2189.9	88.0
90°-120°	238.3	9.6
90°-150°	291.7	11.7
90°-180°	299.0	12.0
0°-180°	2488.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	640	640	640	640	640	
5°	641	629	651	639	641	61
15°	610	617	617	617	610	172
25°	568	590	573	580	568	260
35°	491	552	508	527	491	308
45°	409	504	423	465	409	317
55°	317	434	328	412	317	283
65°	207	364	222	353	207	207
75°	102	299	122	285	102	109
85°	8	233	17	231	8	19
90°	8	221	2	208	8	4
95°	2	185	2	181	2	2
105°	4	135	2	140	4	4
115°	9	99	0	100	9	6
125°	3	70	0	55	3	1
135°	2	45	6	45	2	2
145°	4	36	5	14	4	4
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°	640.4	640.4	640.4	640.4	640.4	640.4	640.4	640.4	640.4	640.4	640.4
5°	641.3	636.3	629.3	652.7	659.4	642.3	629.0	635.7	632.7	642.7	641.3
10°	627.7	621.3	636.3	644.0	650.4	624.3	631.0	628.0	628.7	627.0	639.0
15°	609.6	604.0	612.3	634.0	637.7	624.7	616.7	616.0	615.6	605.3	618.3
20°	592.0	594.0	588.3	607.6	620.7	617.3	606.0	607.0	597.6	604.6	597.0
25°	567.6	558.9	575.3	594.6	608.3	598.6	589.6	579.9	583.9	574.6	566.6
30°	524.9	530.2	544.2	556.9	576.3	572.9	569.6	561.9	543.2	553.9	539.9
35°	490.9	500.5	507.9	530.6	540.2	545.6	552.2	536.9	531.9	515.9	509.9
40°	461.2	459.5	473.5	501.5	510.2	520.9	524.6	519.9	506.5	477.8	470.5
45°	408.8	407.1	448.1	467.2	477.5	484.8	504.2	482.8	472.8	445.8	435.8
50°	365.1	366.4	394.4	414.4	439.8	449.8	465.2	443.8	439.1	416.4	390.1
55°	317.3	314.0	355.0	384.4	410.4	425.4	433.5	418.1	395.4	361.0	345.0
60°	266.6	272.3	302.7	339.4	367.1	380.4	392.1	382.1	364.7	342.7	290.6
65°	206.6	224.6	257.9	297.6	328.3	353.4	364.1	346.7	328.3	284.0	257.3
70°	155.5	182.2	218.2	251.6	293.3	315.3	332.0	314.7	302.7	256.6	207.6
75°	101.8	125.1	175.2	211.2	252.3	288.3	298.6	286.6	262.6	227.9	171.2
80°	54.7	85.4	130.8	178.9	231.6	260.6	267.3	245.6	231.2	189.2	143.5
85°	8.0	52.1	104.1	153.5	208.9	230.9	233.2	238.3	201.2	162.2	104.4
90°	8.0	31.4	85.4	132.1	176.2	197.2	221.2	200.2	181.2	142.5	84.4
95°	2.0	26.4	71.7	107.4	141.1	173.5	184.9	178.2	150.2	128.8	69.7
100°	0.7	11.0	48.1	88.8	131.8	147.8	158.5	145.2	124.5	96.4	57.7
105°	3.7	9.7	26.7	79.8	103.8	128.8	134.8	127.5	113.8	75.1	39.4
110°	5.7	3.3	22.4	58.7	82.1	106.4	120.8	110.4	80.4	64.4	29.0
115°	9.3	12.3	23.4	53.1	70.7	98.8	99.4	86.4	74.1	63.1	25.0
120°	0.0	2.0	33.0	52.1	60.4	79.8	78.7	78.4	69.4	53.1	23.4
125°	2.7	4.7	19.4	45.7	58.7	59.7	70.1	70.1	50.7	40.4	22.4
130°	0.0	3.0	8.0	21.7	42.4	43.7	48.4	46.7	40.7	31.7	10.7
135°	2.0	10.7	0.7	24.7	35.0	35.4	45.4	43.4	31.7	26.4	4.7
140°	7.7	7.3	14.7	7.7	30.0	43.4	38.4	41.7	39.7	12.0	9.0
145°	3.7	1.7	19.4	7.3	1.7	30.7	35.7	26.7	12.0	2.7	14.3
150°	7.3	8.0	9.7	11.7	10.3	5.0	10.0	1.7	8.7	16.7	8.0
155°	11.7	12.0	12.7	10.7	7.0	4.3	9.3	8.0	8.3	11.0	9.0
160°	0.0	13.3	3.0	3.7	14.7	7.0	12.0	0.0	20.7	7.7	9.7
165°	6.0	7.0	12.0	9.0	11.3	10.0	15.3	4.7	9.3	3.7	6.7
170°	9.7	6.0	0.0	13.7	5.0	0.0	0.0	7.7	10.7	13.0	4.7
175°	3.3	0.0	5.0	9.3	16.7	4.7	5.3	11.3	4.7	7.3	4.3
180°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9



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CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	640.4	640.4	640.4	640.4	640.4	640.4	640.4	640.4	640.4	640.4	640.4
5°	645.0	651.0	638.3	628.3	647.0	661.4	636.0	638.7	631.0	634.7	641.0
10°	631.3	630.0	627.7	631.3	635.3	649.0	626.7	618.0	615.3	624.3	637.0
15°	624.7	617.3	614.0	610.3	628.3	641.3	623.0	616.7	604.0	615.0	618.0
20°	610.0	593.6	597.0	605.3	609.6	613.6	601.3	593.6	586.3	595.3	597.0
25°	580.3	573.3	570.6	574.6	592.6	599.6	585.6	579.6	576.3	570.9	564.3
30°	545.9	535.9	545.6	554.3	563.9	582.9	574.6	560.3	550.6	553.6	540.2
35°	500.2	507.5	505.2	520.5	537.6	550.9	533.9	526.9	521.9	516.2	530.6
40°	468.5	472.2	468.2	476.8	502.5	511.2	512.9	506.5	503.9	490.2	485.5
45°	418.8	423.1	427.1	445.5	472.5	493.5	475.8	465.2	470.8	456.5	439.5
50°	376.1	376.7	385.4	395.8	424.8	447.8	458.5	450.1	444.5	423.1	407.4
55°	328.7	328.3	329.3	364.7	390.1	406.8	419.1	412.4	407.4	386.1	364.7
60°	275.6	272.3	296.6	313.7	351.7	378.7	388.7	380.7	370.7	360.7	321.3
65°	217.2	222.2	239.9	272.3	314.7	329.7	343.4	353.4	336.4	317.7	289.0
70°	174.5	167.2	189.5	235.2	271.6	299.6	314.3	327.7	311.0	291.3	248.9
75°	119.5	121.5	141.8	186.9	229.2	266.6	286.6	285.0	283.6	243.9	216.6
80°	87.8	66.7	99.4	153.5	197.5	234.2	248.9	263.3	250.3	227.6	194.2
85°	63.7	16.7	69.7	104.8	159.8	198.5	219.9	230.9	221.9	194.2	155.2
90°	42.7	2.3	33.4	91.8	135.1	173.9	191.2	208.2	184.5	166.5	133.5
95°	18.4	1.7	21.4	65.4	117.5	142.5	162.2	181.2	168.2	145.2	107.1
100°	25.4	0.0	22.7	48.1	92.1	122.8	148.2	160.5	150.8	120.5	85.4
105°	18.4	1.7	11.7	36.4	88.8	104.4	121.1	140.5	124.8	95.1	73.7
110°	15.3	11.3	8.7	23.0	67.1	92.8	96.8	106.1	99.1	87.1	63.1
115°	14.0	0.0	11.3	26.4	59.4	67.7	87.8	100.1	80.1	67.7	43.7
120°	10.7	10.3	5.3	14.0	44.7	56.4	79.1	78.4	71.7	60.4	41.0
125°	7.7	0.0	0.0	9.7	30.0	54.1	61.4	54.7	52.4	45.7	32.7
130°	9.3	8.7	14.3	2.0	10.3	42.7	48.7	52.1	60.1	36.4	11.7
135°	17.0	6.3	9.0	0.7	5.7	16.4	42.0	45.0	37.7	22.7	15.3
140°	7.3	4.0	8.7	1.7	5.3	10.3	3.7	16.0	0.0	5.0	1.0
145°	7.7	5.3	5.7	16.4	3.7	5.0	13.3	14.0	10.7	8.0	6.7
150°	2.7	7.7	3.3	9.0	16.4	20.4	5.0	6.7	7.3	8.7	10.0
155°	7.7	0.0	11.3	5.0	14.0	16.7	7.0	3.7	2.0	13.0	8.3
160°	1.3	0.0	6.3	14.7	11.3	7.0	11.7	15.0	14.7	11.0	4.3
165°	10.3	5.3	7.3	1.7	7.3	12.3	10.3	9.0	20.4	11.3	12.0
170°	0.0	3.0	15.7	10.0	0.3	0.0	5.7	13.7	9.3	0.7	8.0
175°	3.3	14.3	0.0	6.3	12.7	6.0	3.7	4.3	4.7	5.0	0.0
180°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9



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CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	640.4	640.4	640.4
5°	649.4	631.7	641.3
10°	631.3	625.0	627.7
15°	613.0	617.0	609.6
20°	586.3	597.6	592.0
25°	570.6	567.3	567.6
30°	538.2	530.9	524.9
35°	495.2	499.5	490.9
40°	476.5	462.5	461.2
45°	431.8	413.1	408.8
50°	397.1	377.7	365.1
55°	350.4	323.7	317.3
60°	314.0	282.0	266.6
65°	263.6	230.9	206.6
70°	210.6	167.8	155.5
75°	174.9	123.8	101.8
80°	140.8	91.4	54.7
85°	108.4	62.1	8.0
90°	80.1	28.7	8.0
95°	66.1	23.0	2.0
100°	51.1	19.4	0.7
105°	27.0	17.4	3.7
110°	27.7	8.0	5.7
115°	26.0	16.7	9.3
120°	16.4	0.0	0.0
125°	14.3	4.0	2.7
130°	7.0	17.7	0.0
135°	5.0	3.0	2.0
140°	8.3	8.3	7.7
145°	6.7	14.0	3.7
150°	17.0	6.7	7.3
155°	4.0	7.7	11.7
160°	6.0	13.0	0.0
165°	2.7	11.3	6.0
170°	12.7	9.7	9.7
175°	8.3	9.0	3.3
180°	7.9	7.9	7.9



Report Generated By 670246072 / DESKTOP-MV3F9LC





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











(END OF REPORT)