

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: P600846

Luminaire Tested: **2SLSTPSC-347-5000K**

Issue Date: 7/7/2022



Test Information

Test Method: LM-79-08
Report Number: P600846
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-347-5000K
Description: G3 2ft 2SLSTPSC-347 at 5000K
Light Source: -
Ballast/Driver: -

Summary

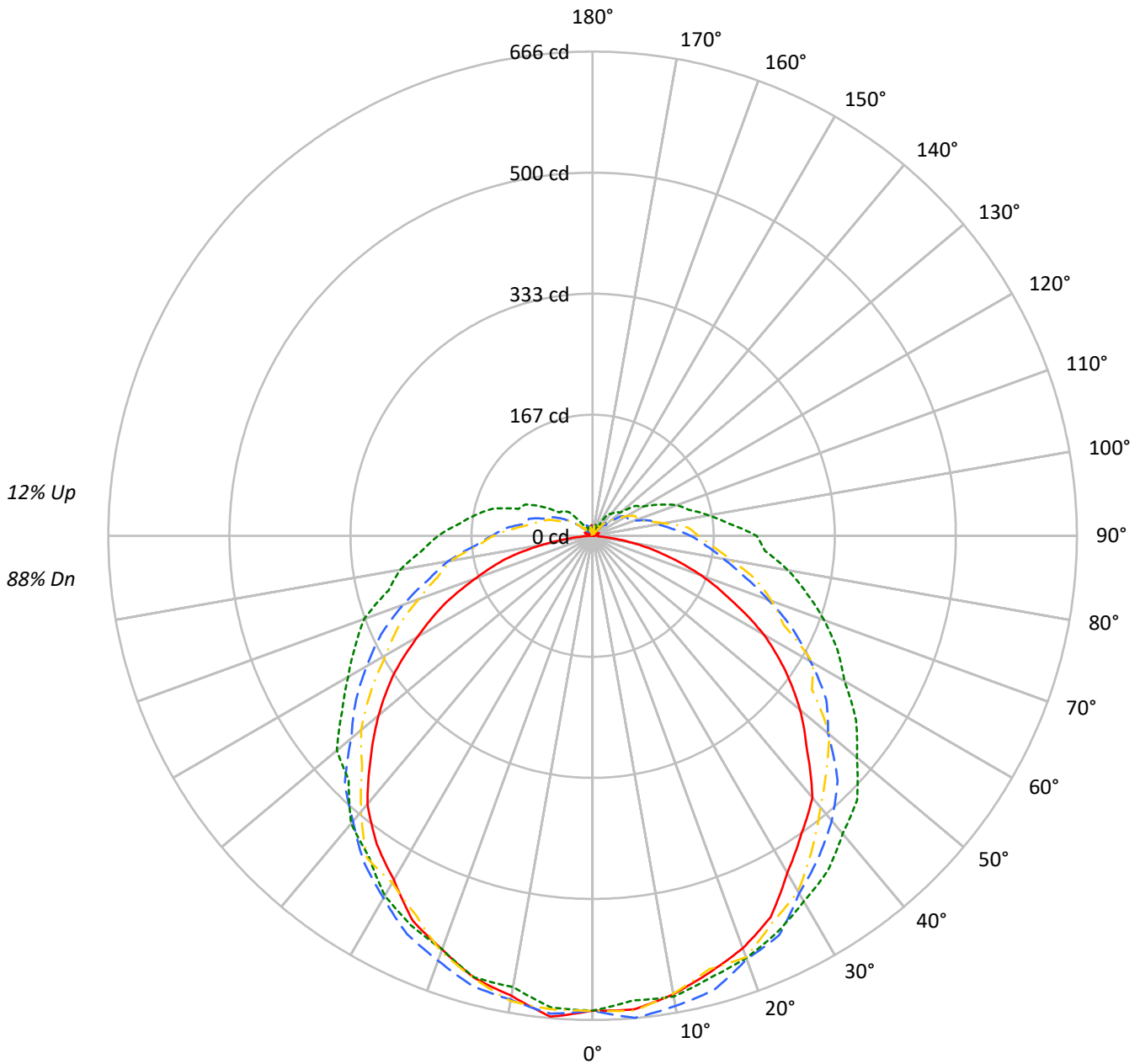
Lumens per Lamp: N/A
Luminaire Lumens: 2538.1 lumens
Efficiency: N/A
Efficacy: 117.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.42
Luminous Opening: Rectangular w/ Sides (W: 0.22' x L: 2' x H: 0.22')
CIE Type: Semi-Direct

Input Watts (W): 21.7
Input Voltage (V): NR
Input Current (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

TEST NUMBER: P600846

CATALOG NUMBER: 2SLSTPSC-347-5000K

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	81	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°	16309	16309	16309	16309
5°	16241	14781	16486	15009
10°	15928	13865	15985	13579
15°	15621	12813	15816	12813
20°	15434	12029	15477	11784
25°	15183	11288	15335	11095
30°	14527	10606	14833	10432
35°	14185	10084	14667	9622
40°	14054	9469	14392	9143
45°	13285	9065	13750	8363
50°	12811	8394	13221	8123
55°	12206	7912	12629	7527
60°	11436	7295	11680	7084
65°	10105	6962	10873	6757
70°	8927	6581	9597	6496
75°	7135	6195	8517	5910
80°	4974	5860	6070	5772
85°	1051	5468	2178	5412



TEST NUMBER: P600846

CATALOG NUMBER: 2SLSTPSC-347-5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.0	2.4
10°-20°	178.0	7.0
20°-30°	272.3	10.7
30°-40°	333.3	13.1
40°-50°	356.8	14.1
50°-60°	341.6	13.5
60°-70°	294.9	11.6
70°-80°	229.9	9.1
80°-90°	164.7	6.5
90°-100°	114.7	4.5
100°-110°	77.1	3.0
110°-120°	51.1	2.0
120°-130°	31.2	1.2
130°-140°	15.9	0.6
140°-150°	7.4	0.3
150°-160°	4.1	0.2
160°-170°	2.4	0.1
170°-180°	0.6	0.0
0°-30°	512.3	20.2
0°-40°	845.6	33.3
0°-60°	1544.0	60.8
0°-90°	2233.5	88.0
90°-120°	243.0	9.6
90°-150°	297.4	11.7
90°-180°	305.0	12.0
0°-180°	2538.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	653	653	653	653	653	
5°	654	642	664	651	654	62
15°	622	629	630	629	622	176
25°	579	601	585	591	579	265
35°	501	563	518	537	501	315
45°	417	514	432	474	417	324
55°	324	442	335	421	324	289
65°	211	371	227	360	211	211
75°	104	305	124	291	104	111
85°	8	238	17	236	8	20
90°	8	226	2	212	8	4
95°	2	188	2	185	2	2
105°	4	138	2	143	4	4
115°	10	101	0	102	10	6
125°	3	72	0	56	3	1
135°	2	46	6	46	2	2
145°	4	36	5	14	4	4
155°	12	10	0	4	12	4
165°	6	16	5	9	6	1
175°	3	5	15	4	3	1
180°	8	8	8	8	8	



TEST NUMBER: P600846

CATALOG NUMBER: 2SLSTPSC-347-5000K

CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	653.2	653.2	653.2	653.2	653.2	653.2	653.2	653.2	653.2	653.2	653.2
5°	654.1	649.0	641.9	665.7	672.5	655.1	641.5	648.3	645.3	655.5	654.1
10°	640.2	633.7	649.0	656.8	663.3	636.8	643.6	640.5	641.2	639.5	651.7
15°	621.8	616.0	624.5	646.6	650.4	637.1	628.9	628.2	627.9	617.4	630.6
20°	603.7	605.8	600.0	619.7	633.0	629.6	618.0	619.1	609.5	616.7	608.8
25°	578.9	570.0	586.7	606.5	620.4	610.5	601.4	591.5	595.6	586.0	577.9
30°	535.3	540.8	555.1	568.0	587.7	584.3	580.9	573.1	554.1	564.9	550.7
35°	500.6	510.5	518.0	541.1	551.0	556.4	563.2	547.6	542.5	526.1	520.0
40°	470.3	468.6	482.9	511.5	520.4	531.3	535.0	530.2	516.6	487.3	479.9
45°	416.9	415.2	457.1	476.5	487.0	494.5	514.2	492.5	482.2	454.7	444.5
50°	372.3	373.7	402.3	422.7	448.6	458.8	474.4	452.6	447.9	424.7	397.8
55°	323.7	320.2	362.1	392.1	418.6	433.9	442.1	426.4	403.3	368.2	351.9
60°	271.9	277.7	308.7	346.1	374.4	388.0	399.9	389.7	372.0	349.5	296.4
65°	210.7	229.0	263.1	303.6	334.9	360.4	371.3	353.6	334.9	289.6	262.4
70°	158.6	185.8	222.6	256.6	299.1	321.6	338.6	320.9	308.7	261.7	211.7
75°	103.8	127.6	178.7	215.4	257.3	294.0	304.6	292.3	267.8	232.4	174.6
80°	55.8	87.1	133.4	182.4	236.2	265.8	272.6	250.5	235.8	193.0	146.3
85°	8.2	53.1	106.2	156.6	213.0	235.5	237.9	243.0	205.2	165.4	106.5
90°	8.2	32.0	87.1	134.8	179.7	201.1	225.6	204.2	184.8	145.3	86.1
95°	2.0	26.9	73.2	109.6	144.0	177.0	188.5	181.7	153.1	131.4	71.1
100°	0.7	11.2	49.0	90.5	134.4	150.8	161.7	148.0	126.9	98.4	58.9
105°	3.7	9.9	27.2	81.3	105.8	131.4	137.5	130.0	116.1	76.6	40.2
110°	5.8	3.4	22.8	59.9	83.7	108.6	123.2	112.6	82.0	65.7	29.6
115°	9.5	12.6	23.8	54.1	72.1	100.7	101.4	88.1	75.6	64.3	25.5
120°	0.0	2.0	33.7	53.1	61.6	81.3	80.3	80.0	70.8	54.1	23.8
125°	2.7	4.8	19.7	46.6	59.9	60.9	71.5	71.5	51.7	41.2	22.8
130°	0.0	3.1	8.2	22.1	43.2	44.6	49.3	47.6	41.5	32.3	10.9
135°	2.0	10.9	0.7	25.2	35.7	36.1	46.3	44.2	32.3	26.9	4.8
140°	7.8	7.5	15.0	7.8	30.6	44.2	39.1	42.5	40.5	12.3	9.2
145°	3.7	1.7	19.7	7.5	1.7	31.3	36.4	27.2	12.3	2.7	14.6
150°	7.5	8.2	9.9	11.9	10.6	5.1	10.2	1.7	8.8	17.0	8.2
155°	11.9	12.3	12.9	10.9	7.1	4.4	9.5	8.2	8.5	11.2	9.2
160°	0.0	13.6	3.1	3.7	15.0	7.1	12.3	0.0	21.1	7.8	9.9
165°	6.1	7.1	12.3	9.2	11.6	10.2	15.7	4.8	9.5	3.7	6.8
170°	9.9	6.1	0.0	14.0	5.1	0.0	0.0	7.8	10.9	13.3	4.8
175°	3.4	0.0	5.1	9.5	17.0	4.8	5.4	11.6	4.8	7.5	4.4
180°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1



TEST NUMBER: P600846

CATALOG NUMBER: 2SLSTPSC-347-5000K

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	653.2	653.2	653.2	653.2	653.2	653.2	653.2	653.2	653.2	653.2	653.2
5°	657.9	664.0	651.0	640.8	659.9	674.5	648.7	651.4	643.6	647.3	653.8
10°	643.9	642.5	640.2	643.9	648.0	661.9	639.1	630.3	627.6	636.8	649.7
15°	637.1	629.6	626.2	622.5	640.8	654.1	635.4	628.9	616.0	627.2	630.3
20°	622.1	605.4	608.8	617.4	621.8	625.9	613.3	605.4	598.0	607.1	608.8
25°	591.8	584.7	582.0	586.0	604.4	611.6	597.3	591.1	587.7	582.3	575.5
30°	556.8	546.6	556.4	565.3	575.2	594.6	586.0	571.4	561.5	564.6	551.0
35°	510.2	517.6	515.3	530.9	548.3	561.9	544.5	537.4	532.3	526.5	541.1
40°	477.8	481.6	477.5	486.3	512.5	521.4	523.1	516.6	513.9	499.9	495.2
45°	427.1	431.5	435.6	454.3	481.9	503.3	485.3	474.4	480.2	465.6	448.2
50°	383.5	384.2	393.1	403.6	433.2	456.7	467.6	459.1	453.3	431.5	415.5
55°	335.2	334.9	335.9	372.0	397.8	414.9	427.5	420.6	415.5	393.8	372.0
60°	281.1	277.7	302.6	319.9	358.7	386.3	396.5	388.3	378.1	367.9	327.7
65°	221.6	226.7	244.7	277.7	320.9	336.2	350.2	360.4	343.1	324.0	294.7
70°	178.0	170.5	193.3	239.9	277.0	305.6	320.6	334.2	317.2	297.1	253.9
75°	121.8	123.9	144.6	190.6	233.8	271.9	292.3	290.6	289.3	248.8	220.9
80°	89.5	68.1	101.4	156.6	201.5	238.9	253.9	268.5	255.2	232.1	198.1
85°	65.0	17.0	71.1	106.9	163.0	202.5	224.3	235.5	226.3	198.1	158.3
90°	43.6	2.4	34.0	93.6	137.8	177.3	195.0	212.4	188.2	169.8	136.1
95°	18.7	1.7	21.8	66.7	119.8	145.3	165.4	184.8	171.5	148.0	109.2
100°	25.9	0.0	23.1	49.0	93.9	125.2	151.1	163.7	153.8	122.9	87.1
105°	18.7	1.7	11.9	37.1	90.5	106.5	123.5	143.3	127.3	97.0	75.2
110°	15.7	11.6	8.8	23.5	68.4	94.6	98.7	108.2	101.1	88.8	64.3
115°	14.3	0.0	11.6	26.9	60.6	69.1	89.5	102.1	81.7	69.1	44.6
120°	10.9	10.6	5.4	14.3	45.6	57.5	80.7	80.0	73.2	61.6	41.9
125°	7.8	0.0	0.0	9.9	30.6	55.1	62.6	55.8	53.4	46.6	33.4
130°	9.5	8.8	14.6	2.0	10.6	43.6	49.7	53.1	61.3	37.1	11.9
135°	17.4	6.5	9.2	0.7	5.8	16.7	42.9	45.9	38.5	23.1	15.7
140°	7.5	4.1	8.8	1.7	5.4	10.6	3.7	16.3	0.0	5.1	1.0
145°	7.8	5.4	5.8	16.7	3.7	5.1	13.6	14.3	10.9	8.2	6.8
150°	2.7	7.8	3.4	9.2	16.7	20.8	5.1	6.8	7.5	8.8	10.2
155°	7.8	0.0	11.6	5.1	14.3	17.0	7.1	3.7	2.0	13.3	8.5
160°	1.4	0.0	6.5	15.0	11.6	7.1	11.9	15.3	15.0	11.2	4.4
165°	10.6	5.4	7.5	1.7	7.5	12.6	10.6	9.2	20.8	11.6	12.3
170°	0.0	3.1	16.0	10.2	0.3	0.0	5.8	14.0	9.5	0.7	8.2
175°	3.4	14.6	0.0	6.5	12.9	6.1	3.7	4.4	4.8	5.1	0.0
180°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1



TEST NUMBER: P600846

CATALOG NUMBER: 2SLSTPSC-347-5000K

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	653.2	653.2	653.2
5°	662.3	644.2	654.1
10°	643.9	637.4	640.2
15°	625.2	629.3	621.8
20°	598.0	609.5	603.7
25°	582.0	578.6	578.9
30°	548.9	541.5	535.3
35°	505.0	509.5	500.6
40°	486.0	471.7	470.3
45°	440.4	421.3	416.9
50°	405.0	385.3	372.3
55°	357.3	330.1	323.7
60°	320.2	287.6	271.9
65°	268.9	235.5	210.7
70°	214.7	171.2	158.6
75°	178.3	126.3	103.8
80°	143.6	93.2	55.8
85°	110.6	63.3	8.2
90°	81.7	29.3	8.2
95°	67.4	23.5	2.0
100°	52.1	19.7	0.7
105°	27.6	17.7	3.7
110°	28.2	8.2	5.8
115°	26.5	17.0	9.5
120°	16.7	0.0	0.0
125°	14.6	4.1	2.7
130°	7.1	18.0	0.0
135°	5.1	3.1	2.0
140°	8.5	8.5	7.8
145°	6.8	14.3	3.7
150°	17.4	6.8	7.5
155°	4.1	7.8	11.9
160°	6.1	13.3	0.0
165°	2.7	11.6	6.1
170°	12.9	9.9	9.9
175°	8.5	9.2	3.4
180°	8.1	8.1	8.1



Report Generated By 670246072 / DESKTOP-MV3F9LC





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











(END OF REPORT)