

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: P600845

Luminaire Tested: **2SLSTPSC-347-4000K**

Issue Date: 7/7/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P600845  
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-347-4000K  
Description: G3 2ft 2SLSTPSC-347 at 4000K  
Light Source: -  
Ballast/Driver: -

**Summary**

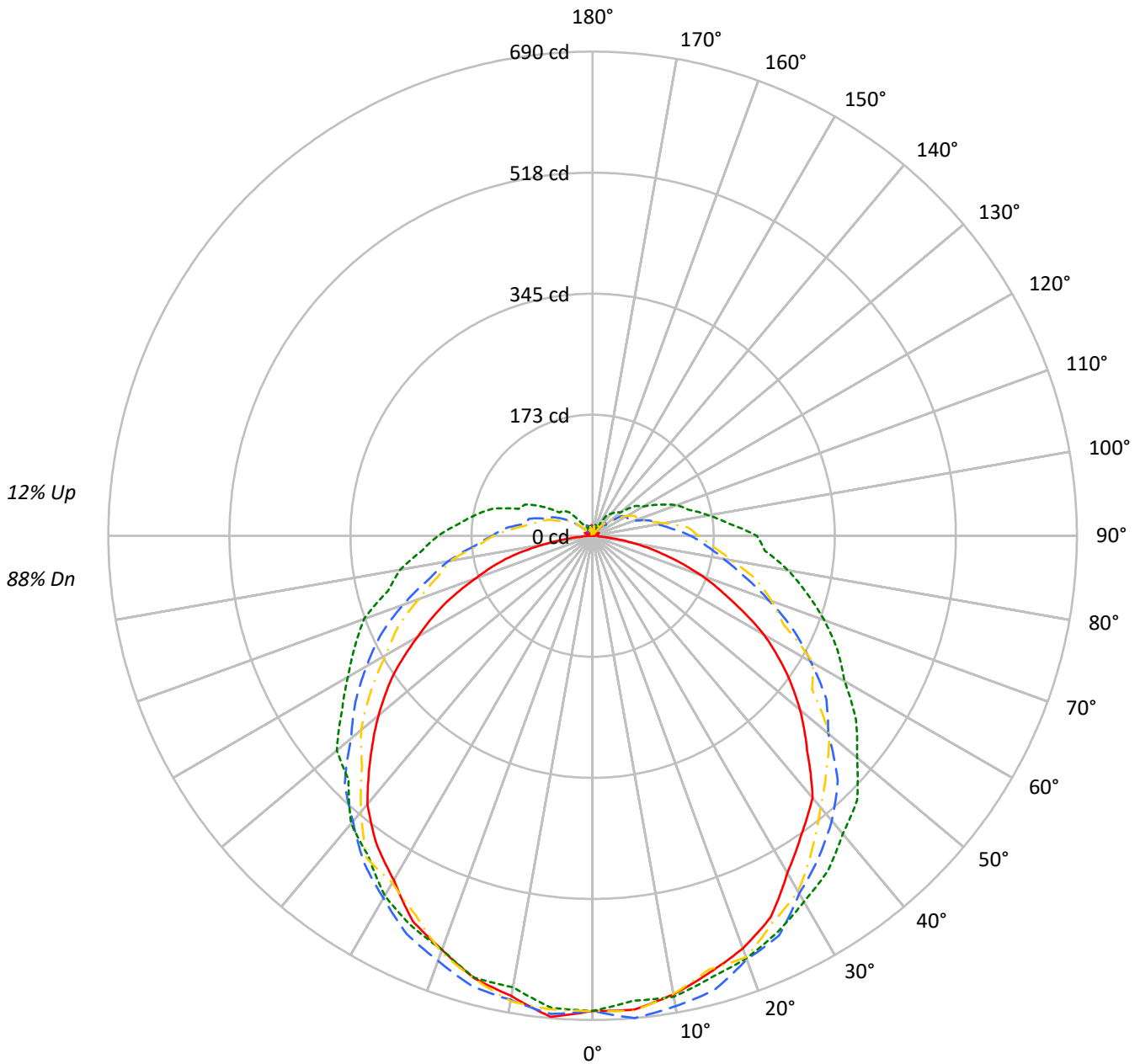
Lumens per Lamp: N/A  
Luminaire Lumens: 2631.0 lumens  
Efficiency: N/A  
Efficacy: 124.7 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.42  
Luminous Opening: Rectangular w/ Sides (W: 0.22' x L: 2' x H: 0.22')  
CIE Type: Semi-Direct

Input Watts (W): 21.1  
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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CATALOG NUMBER: 2SLSTPSC-347-4000K

### Luminous Intensity Polar Plot





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CATALOG NUMBER: 2SLSTPSC-347-4000K

**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°	16906	16906	16906	16906
5°	16834	15323	17087	15558
10°	16510	14372	16570	14074
15°	16191	13281	16394	13281
20°	15998	12469	16045	12216
25°	15739	11699	15896	11502
30°	15058	10995	15373	10814
35°	14703	10453	15205	9973
40°	14568	9814	14918	9477
45°	13769	9396	14254	8670
50°	13279	8702	13706	8420
55°	12651	8200	13089	7802
60°	11857	7562	12109	7343
65°	10475	7217	11266	7005
70°	9253	6822	9946	6733
75°	7396	6421	8826	6128
80°	5161	6075	6293	5983
85°	1089	5668	2255	5610



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	64.3	2.4
10°-20°	184.5	7.0
20°-30°	282.2	10.7
30°-40°	345.5	13.1
40°-50°	369.9	14.1
50°-60°	354.1	13.5
60°-70°	305.7	11.6
70°-80°	238.3	9.1
80°-90°	170.7	6.5
90°-100°	118.9	4.5
100°-110°	79.9	3.0
110°-120°	53.0	2.0
120°-130°	32.3	1.2
130°-140°	16.5	0.6
140°-150°	7.6	0.3
150°-160°	4.3	0.2
160°-170°	2.5	0.1
170°-180°	0.7	0.0
0°-30°	531.0	20.2
0°-40°	876.5	33.3
0°-60°	1600.5	60.8
0°-90°	2315.2	88.0
90°-120°	251.9	9.6
90°-150°	308.3	11.7
90°-180°	316.0	12.0
0°-180°	2631.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	677	677	677	677	677	
5°	678	665	688	675	678	64
15°	644	652	653	652	644	182
25°	600	623	606	613	600	275
35°	519	584	537	557	519	326
45°	432	533	447	492	432	336
55°	336	458	347	436	336	300
65°	218	385	235	374	218	219
75°	108	316	128	301	108	115
85°	8	247	18	244	8	20
90°	8	234	2	220	8	4
95°	2	195	2	192	2	2
105°	4	142	2	148	4	4
115°	10	105	0	106	10	6
125°	3	74	0	58	3	1
135°	2	48	7	48	2	2
145°	4	38	6	15	4	4
155°	12	10	0	4	12	4
165°	6	16	6	10	6	2
175°	4	6	15	5	4	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°	677.1	677.1	677.1	677.1	677.1	677.1	677.1	677.1	677.1	677.1	677.1
5°	678.0	672.7	665.3	690.0	697.1	679.1	665.0	672.0	668.8	679.4	678.0
10°	663.6	656.9	672.7	680.8	687.5	660.0	667.1	663.9	664.6	662.8	675.5
15°	644.5	638.5	647.3	670.3	674.1	660.4	651.9	651.2	650.9	639.9	653.7
20°	625.8	627.9	621.9	642.4	656.1	652.6	640.6	641.7	631.8	639.2	631.1
25°	600.1	590.9	608.2	628.6	643.1	632.9	623.3	613.1	617.3	607.5	599.0
30°	554.9	560.5	575.4	588.8	609.2	605.7	602.2	594.1	574.3	585.6	570.8
35°	518.9	529.2	536.9	560.9	571.1	576.8	583.8	567.6	562.3	545.4	539.0
40°	487.5	485.8	500.6	530.2	539.4	550.7	554.5	549.6	535.5	505.2	497.4
45°	432.1	430.4	473.8	493.9	504.8	512.6	533.0	510.5	499.9	471.3	460.7
50°	385.9	387.3	417.0	438.1	464.9	475.5	491.8	469.2	464.2	440.3	412.4
55°	335.5	332.0	375.3	406.4	433.9	449.8	458.2	442.0	418.0	381.7	364.8
60°	281.9	287.9	320.0	358.8	388.0	402.2	414.5	403.9	385.6	362.3	307.3
65°	218.4	237.4	272.7	314.7	347.1	373.6	384.9	366.5	347.1	300.2	272.0
70°	164.4	192.6	230.7	266.0	310.1	333.4	351.0	332.7	320.0	271.3	219.4
75°	107.6	132.3	185.2	223.3	266.7	304.8	315.7	303.0	277.6	240.9	181.0
80°	57.9	90.3	138.3	189.1	244.8	275.5	282.6	259.6	244.5	200.0	151.7
85°	8.5	55.0	110.1	162.3	220.8	244.1	246.6	251.9	212.7	171.4	110.4
90°	8.5	33.2	90.3	139.7	186.3	208.5	233.9	211.7	191.6	150.6	89.2
95°	2.1	27.9	75.8	113.6	149.2	183.4	195.4	188.4	158.7	136.2	73.7
100°	0.7	11.6	50.8	93.8	139.3	156.3	167.6	153.5	131.6	102.0	61.0
105°	3.9	10.2	28.2	84.3	109.7	136.2	142.5	134.8	120.3	79.4	41.6
110°	6.0	3.5	23.6	62.1	86.8	112.5	127.7	116.8	85.0	68.1	30.7
115°	9.9	13.1	24.7	56.1	74.8	104.4	105.1	91.4	78.3	66.7	26.5
120°	0.0	2.1	34.9	55.0	63.9	84.3	83.3	82.9	73.4	56.1	24.7
125°	2.8	4.9	20.5	48.3	62.1	63.1	74.1	74.1	53.6	42.7	23.6
130°	0.0	3.2	8.5	22.9	44.8	46.2	51.2	49.4	43.0	33.5	11.3
135°	2.1	11.3	0.7	26.1	37.0	37.4	48.0	45.9	33.5	27.9	4.9
140°	8.1	7.8	15.5	8.1	31.7	45.9	40.6	44.1	42.0	12.7	9.5
145°	3.9	1.8	20.5	7.8	1.8	32.5	37.7	28.2	12.7	2.8	15.2
150°	7.8	8.5	10.2	12.3	10.9	5.3	10.6	1.8	9.2	17.6	8.5
155°	12.3	12.7	13.4	11.3	7.4	4.6	9.9	8.5	8.8	11.6	9.5
160°	0.0	14.1	3.2	3.9	15.5	7.4	12.7	0.0	21.9	8.1	10.2
165°	6.4	7.4	12.7	9.5	12.0	10.6	16.2	4.9	9.9	3.9	7.1
170°	10.2	6.4	0.0	14.5	5.3	0.0	0.0	8.1	11.3	13.8	4.9
175°	3.5	0.0	5.3	9.9	17.6	4.9	5.6	12.0	4.9	7.8	4.6
180°	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4



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**CANDELA DISTRIBUTION (continued):**

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	677.1	677.1	677.1	677.1	677.1	677.1	677.1	677.1	677.1	677.1	677.1
5°	681.9	688.2	674.8	664.3	684.0	699.2	672.4	675.2	667.1	671.0	677.7
10°	667.4	666.0	663.6	667.4	671.7	686.1	662.5	653.3	650.5	660.0	673.4
15°	660.4	652.6	649.1	645.2	664.3	678.0	658.6	651.9	638.5	650.1	653.3
20°	644.9	627.6	631.1	639.9	644.5	648.7	635.7	627.6	619.8	629.3	631.1
25°	613.5	606.1	603.2	607.5	626.5	633.9	619.1	612.8	609.2	603.6	596.5
30°	577.1	566.5	576.8	585.9	596.2	616.3	607.5	592.3	582.1	585.2	571.1
35°	528.8	536.6	534.1	550.3	568.3	582.4	564.4	557.0	551.7	545.7	560.9
40°	495.3	499.2	494.9	504.1	531.3	540.4	542.2	535.5	532.7	518.2	513.3
45°	442.7	447.3	451.5	470.9	499.5	521.7	503.0	491.8	497.8	482.6	464.6
50°	397.6	398.3	407.4	418.4	449.1	473.4	484.7	475.9	469.9	447.3	430.7
55°	347.5	347.1	348.2	385.6	412.4	430.0	443.1	436.0	430.7	408.2	385.6
60°	291.4	287.9	313.6	331.6	371.8	400.4	411.0	402.5	391.9	381.3	339.7
65°	229.7	234.9	253.6	287.9	332.7	348.5	363.0	373.6	355.6	335.8	305.5
70°	184.5	176.7	200.4	248.7	287.2	316.8	332.3	346.4	328.8	308.0	263.2
75°	126.3	128.4	149.9	197.5	242.4	281.9	303.0	301.3	299.9	257.9	228.9
80°	92.8	70.6	105.1	162.3	208.8	247.6	263.2	278.3	264.6	240.6	205.3
85°	67.4	17.6	73.7	110.8	169.0	209.9	232.5	244.1	234.6	205.3	164.0
90°	45.2	2.5	35.3	97.0	142.9	183.8	202.1	220.1	195.1	176.0	141.1
95°	19.4	1.8	22.6	69.1	124.2	150.6	171.4	191.6	177.8	153.5	113.2
100°	26.8	0.0	24.0	50.8	97.4	129.8	156.6	169.7	159.5	127.3	90.3
105°	19.4	1.8	12.3	38.5	93.8	110.4	128.1	148.5	131.9	100.5	78.0
110°	16.2	12.0	9.2	24.3	70.9	98.1	102.3	112.2	104.8	92.1	66.7
115°	14.8	0.0	12.0	27.9	62.8	71.6	92.8	105.8	84.7	71.6	46.2
120°	11.3	10.9	5.6	14.8	47.3	59.6	83.6	82.9	75.8	63.9	43.4
125°	8.1	0.0	0.0	10.2	31.7	57.1	64.9	57.9	55.4	48.3	34.6
130°	9.9	9.2	15.2	2.1	10.9	45.2	51.5	55.0	63.5	38.5	12.3
135°	18.0	6.7	9.5	0.7	6.0	17.3	44.4	47.6	39.9	24.0	16.2
140°	7.8	4.2	9.2	1.8	5.6	10.9	3.9	16.9	0.0	5.3	1.1
145°	8.1	5.6	6.0	17.3	3.9	5.3	14.1	14.8	11.3	8.5	7.1
150°	2.8	8.1	3.5	9.5	17.3	21.5	5.3	7.1	7.8	9.2	10.6
155°	8.1	0.0	12.0	5.3	14.8	17.6	7.4	3.9	2.1	13.8	8.8
160°	1.4	0.0	6.7	15.5	12.0	7.4	12.3	15.9	15.5	11.6	4.6
165°	10.9	5.6	7.8	1.8	7.8	13.1	10.9	9.5	21.5	12.0	12.7
170°	0.0	3.2	16.6	10.6	0.4	0.0	6.0	14.5	9.9	0.7	8.5
175°	3.5	15.2	0.0	6.7	13.4	6.4	3.9	4.6	4.9	5.3	0.0
180°	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4



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**CANDELA DISTRIBUTION (continued):**

	330°	345°	360°
0°	677.1	677.1	677.1
5°	686.5	667.8	678.0
10°	667.4	660.7	663.6
15°	648.0	652.3	644.5
20°	619.8	631.8	625.8
25°	603.2	599.7	600.1
30°	569.0	561.3	554.9
35°	523.5	528.1	518.9
40°	503.8	488.9	487.5
45°	456.5	436.7	432.1
50°	419.8	399.3	385.9
55°	370.4	342.2	335.5
60°	332.0	298.1	281.9
65°	278.7	244.1	218.4
70°	222.6	177.4	164.4
75°	184.8	130.9	107.6
80°	148.9	96.7	57.9
85°	114.6	65.6	8.5
90°	84.7	30.3	8.5
95°	69.8	24.3	2.1
100°	54.0	20.5	0.7
105°	28.6	18.3	3.9
110°	29.3	8.5	6.0
115°	27.5	17.6	9.9
120°	17.3	0.0	0.0
125°	15.2	4.2	2.8
130°	7.4	18.7	0.0
135°	5.3	3.2	2.1
140°	8.8	8.8	8.1
145°	7.1	14.8	3.9
150°	18.0	7.1	7.8
155°	4.2	8.1	12.3
160°	6.4	13.8	0.0
165°	2.8	12.0	6.4
170°	13.4	10.2	10.2
175°	8.8	9.5	3.5
180°	8.4	8.4	8.4





Report Generated By 670246072 / DESKTOP-MV3F9LC





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











(END OF REPORT)