

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: P600854

Luminaire Tested: **4SLSTPSLC-347-LO-4000K**

Issue Date: 7/7/2022



Test Information

Test Method: LM-79-08
Report Number: P600854
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-347-LO-4000K
Description: G3 4ft 4SLSTPSLC-347 18W at 4000K
Light Source: -
Ballast/Driver: -

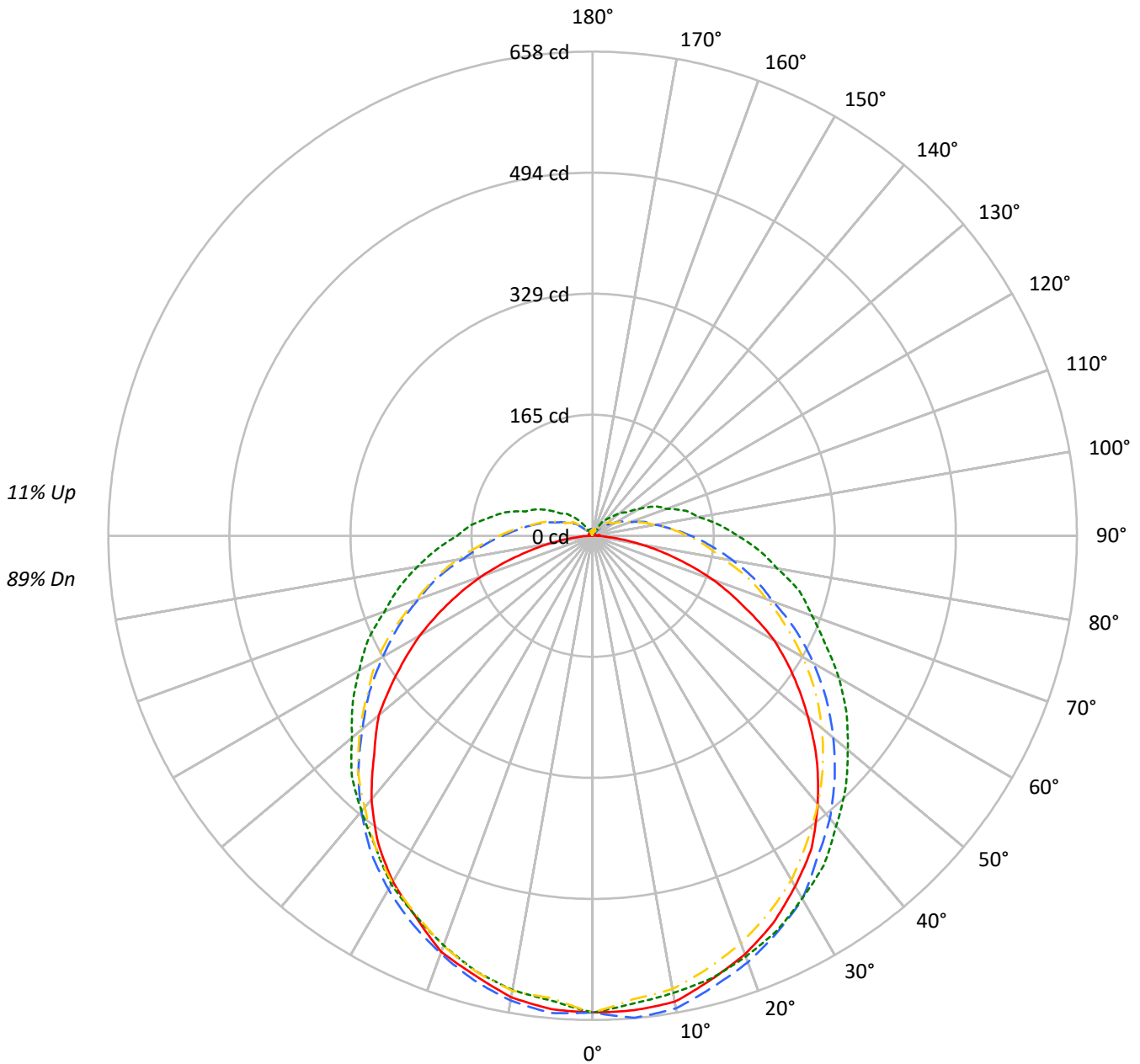
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2446.0 lumens
Efficiency: N/A
Efficacy: 133.7 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): 18.3
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									
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°	8087	8087	8087	8087
5°	8072	7349	8056	7307
10°	8074	6796	7996	6751
15°	7951	6344	7877	6241
20°	7884	5922	7838	5763
25°	7801	5558	7661	5346
30°	7690	5196	7587	4993
35°	7615	4899	7469	4611
40°	7418	4556	7284	4322
45°	7216	4284	7027	4078
50°	6961	4003	6915	3776
55°	6737	3768	6530	3562
60°	6514	3524	6178	3340
65°	5985	3269	5670	3160
70°	5498	3081	5082	2922
75°	4632	2958	4150	2769
80°	3599	2733	3109	2595
85°	1886	2609	1656	2443



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.3	2.5
10°-20°	175.9	7.2
20°-30°	268.0	11.0
30°-40°	327.9	13.4
40°-50°	349.2	14.3
50°-60°	333.3	13.6
60°-70°	286.8	11.7
70°-80°	220.9	9.0
80°-90°	154.2	6.3
90°-100°	105.0	4.3
100°-110°	69.9	2.9
110°-120°	43.8	1.8
120°-130°	26.0	1.1
130°-140°	13.5	0.6
140°-150°	5.3	0.2
150°-160°	2.9	0.1
160°-170°	1.7	0.1
170°-180°	0.4	0.0
0°-30°	505.2	20.7
0°-40°	833.0	34.1
0°-60°	1515.5	62.0
0°-90°	2177.5	89.0
90°-120°	218.7	8.9
90°-150°	263.5	10.8
90°-180°	269.0	11.0
0°-180°	2446.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	648	648	648	648	648	
5°	647	638	646	634	647	62
15°	624	623	618	613	624	176
25°	581	592	570	570	581	267
35°	519	547	509	515	519	323
45°	431	486	420	463	431	332
55°	333	421	323	398	333	298
65°	226	349	214	337	226	225
75°	115	291	103	272	115	124
85°	21	227	19	213	21	28
90°	5	197	2	184	5	6
95°	9	172	0	166	9	3
105°	1	131	3	123	1	1
115°	2	95	5	85	2	3
125°	3	56	2	53	3	3
135°	4	36	2	35	4	3
145°	4	23	3	3	4	2
155°	2	2	1	5	2	1
165°	3	6	4	8	3	1
175°	4	2	2	5	4	0
180°	4	4	4	4	4	



TEST NUMBER: P600854

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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	647.8	647.8	647.8	647.8	647.8	647.8	647.8	647.8	647.8	647.8	647.8
5°	647.2	652.8	636.5	657.6	655.5	648.2	637.9	640.7	642.6	632.2	645.4
10°	643.0	642.0	628.4	652.2	647.1	640.7	630.9	636.3	633.7	625.3	639.3
15°	624.1	632.0	620.8	634.4	635.0	633.2	622.8	622.1	619.8	608.2	624.9
20°	605.1	609.7	602.2	616.8	620.4	620.7	608.5	606.5	601.9	589.0	599.2
25°	580.6	584.9	578.5	594.3	595.3	597.0	592.2	579.9	580.0	565.8	572.4
30°	550.1	554.8	548.9	570.0	572.2	571.7	569.2	561.4	557.1	540.0	547.0
35°	518.6	519.3	523.6	532.7	542.1	547.7	547.2	536.1	529.4	507.6	506.1
40°	475.8	478.3	486.7	501.5	508.2	513.8	514.8	508.2	495.6	476.3	470.3
45°	430.8	433.7	450.4	465.0	476.1	487.4	486.0	476.9	465.7	442.3	430.5
50°	381.5	387.6	407.8	426.8	442.7	449.4	452.5	444.9	429.8	406.4	382.8
55°	333.4	338.9	366.8	387.8	404.1	418.8	421.1	409.9	392.5	369.5	338.2
60°	285.3	290.2	315.9	346.6	366.7	384.9	386.3	379.4	351.8	329.2	297.2
65°	226.1	245.5	272.1	304.9	328.1	354.7	348.7	342.7	320.7	289.2	250.5
70°	173.0	191.7	225.8	260.5	296.8	316.9	317.0	312.0	288.3	251.5	212.4
75°	115.4	145.7	186.3	227.9	262.7	283.6	290.9	279.4	249.4	217.6	169.6
80°	65.4	91.7	145.9	193.3	227.2	247.3	254.3	248.6	216.2	178.6	137.2
85°	21.3	63.3	112.5	161.9	198.5	223.0	227.0	213.6	192.0	154.3	101.6
90°	5.2	36.3	85.0	133.7	168.2	190.5	197.1	189.9	165.4	129.0	78.0
95°	9.4	25.8	66.9	106.7	145.0	163.1	172.1	167.6	141.7	106.6	64.2
100°	0.7	10.7	49.2	86.8	121.6	141.0	146.4	145.3	121.9	85.8	46.6
105°	1.1	15.1	34.2	72.9	99.7	124.4	131.3	121.6	99.6	69.2	30.7
110°	2.2	7.9	22.9	53.6	85.3	103.1	107.0	102.7	84.0	55.4	26.1
115°	2.4	6.5	23.0	46.3	65.5	84.2	94.7	79.7	63.1	44.9	23.7
120°	4.1	6.9	17.8	35.8	57.1	60.6	73.1	67.6	51.6	34.8	19.5
125°	3.1	5.9	16.8	27.9	40.3	53.2	55.5	53.7	44.2	29.6	14.2
130°	2.1	7.0	11.2	20.9	37.2	47.3	47.6	44.3	35.2	29.2	7.6
135°	4.1	6.2	8.6	16.7	30.7	35.2	35.5	35.9	29.5	21.5	6.0
140°	4.6	5.8	6.0	8.3	19.9	27.5	29.3	25.1	25.7	12.6	6.7
145°	3.5	6.7	10.0	5.5	10.4	21.5	23.0	24.1	16.0	4.2	9.0
150°	0.0	6.0	11.2	6.9	6.3	4.8	7.0	6.3	3.6	7.9	12.1
155°	2.4	2.1	9.5	6.9	7.6	3.4	1.7	5.6	5.2	8.3	9.4
160°	2.5	2.7	3.6	4.3	7.9	8.0	8.8	12.6	8.1	9.5	3.6
165°	2.8	4.9	3.1	4.1	8.7	4.6	6.5	10.1	6.6	3.6	6.7
170°	2.8	5.3	1.1	1.5	4.3	3.2	8.0	5.2	7.2	4.6	3.2
175°	3.9	5.5	3.9	3.5	7.3	5.9	2.0	0.4	4.2	9.1	0.0
180°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0



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CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	647.8	647.8	647.8	647.8	647.8	647.8	647.8	647.8	647.8	647.8	647.8
5°	639.2	645.9	651.5	641.3	651.0	652.1	651.3	634.2	642.1	640.9	630.8
10°	635.8	636.8	639.9	628.8	641.4	642.8	644.7	626.7	633.2	635.3	627.8
15°	615.9	618.3	627.4	613.4	624.9	628.1	628.1	612.7	620.8	616.6	613.1
20°	603.0	601.6	605.5	595.3	604.0	605.3	612.8	592.1	605.5	604.3	592.9
25°	573.8	570.2	573.8	573.8	581.1	585.8	591.6	569.6	584.8	580.7	567.4
30°	547.2	542.7	544.0	545.9	554.9	557.4	568.8	546.9	560.2	555.5	544.5
35°	511.6	508.6	507.6	515.9	525.2	526.8	538.8	515.1	531.9	522.9	515.1
40°	467.2	467.2	469.2	481.4	488.7	498.5	511.3	488.4	502.9	493.6	481.7
45°	428.1	419.5	418.6	438.6	450.0	462.2	474.9	462.7	471.7	458.4	451.1
50°	378.6	379.0	371.4	390.5	408.0	426.1	438.8	426.8	437.1	427.8	412.4
55°	329.1	323.2	321.2	348.6	370.0	394.0	402.4	398.1	403.0	397.4	373.3
60°	277.2	270.6	275.6	305.2	328.9	357.5	369.6	366.2	361.9	353.9	339.0
65°	227.2	214.2	226.1	259.9	290.9	319.1	332.4	337.1	331.6	320.1	297.2
70°	171.4	159.9	176.2	212.2	251.5	280.4	296.1	300.7	297.5	282.2	255.0
75°	122.2	103.4	128.5	173.4	217.1	245.0	264.8	272.3	264.4	252.5	220.8
80°	83.3	56.5	86.0	135.2	177.4	214.5	232.7	241.4	234.4	214.3	186.1
85°	53.4	18.7	53.3	100.4	148.4	185.7	203.7	212.6	206.1	188.7	153.7
90°	28.9	2.1	34.2	78.4	122.0	155.0	180.1	184.0	178.7	157.1	126.8
95°	19.9	0.1	19.8	55.0	100.6	134.2	154.2	165.7	158.1	135.8	104.5
100°	12.3	5.0	12.3	43.6	83.2	113.6	131.4	142.0	133.5	112.8	84.2
105°	10.9	2.7	11.5	35.5	67.6	92.0	111.8	123.2	114.3	97.2	70.8
110°	8.1	1.3	5.9	26.4	52.9	81.6	92.4	96.6	95.9	79.3	56.9
115°	6.6	4.6	0.0	23.3	43.3	64.9	74.5	85.0	80.5	63.4	40.7
120°	5.0	5.9	5.5	13.0	31.7	52.9	61.0	69.3	61.0	54.3	34.8
125°	7.7	2.5	9.1	4.1	29.0	45.6	52.9	52.7	53.2	43.9	32.5
130°	4.6	0.7	9.7	2.2	12.9	33.2	41.9	46.6	43.8	35.6	19.2
135°	5.9	2.4	5.8	6.9	5.6	20.9	37.0	34.9	37.2	26.4	3.6
140°	2.4	2.0	6.3	5.8	4.2	3.2	10.2	22.4	13.6	0.4	2.7
145°	8.6	3.4	7.9	10.5	5.5	7.3	5.9	2.8	6.9	0.1	0.8
150°	6.6	0.0	5.3	11.1	6.3	3.1	1.3	1.1	0.0	2.5	5.3
155°	6.0	1.1	10.0	10.4	6.6	12.2	7.6	4.8	7.7	8.8	6.9
160°	6.6	3.2	5.2	9.1	9.7	8.6	10.5	9.3	7.3	8.6	7.0
165°	8.4	3.8	2.7	8.3	7.9	7.9	6.7	8.3	6.0	7.9	2.8
170°	4.6	4.6	8.0	4.6	9.3	7.3	9.1	5.2	5.0	4.3	5.2
175°	3.4	2.1	5.0	3.8	5.5	4.5	6.5	5.3	5.8	4.1	8.3
180°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0



TEST NUMBER: P600854

CATALOG NUMBER: 4SLSTPSLC-347-LO-4000K

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	647.8	647.8	647.8
5°	647.9	642.0	647.2
10°	636.3	636.3	643.0
15°	621.1	626.4	624.1
20°	604.0	605.8	605.1
25°	581.5	581.5	580.6
30°	552.0	553.4	550.1
35°	521.7	520.3	518.6
40°	479.9	480.8	475.8
45°	441.7	442.4	430.8
50°	398.5	394.7	381.5
55°	353.1	346.3	333.4
60°	309.7	291.1	285.3
65°	266.8	241.8	226.1
70°	221.1	194.3	173.0
75°	177.3	138.2	115.4
80°	140.3	96.9	65.4
85°	110.0	57.2	21.3
90°	84.9	36.8	5.2
95°	63.0	18.5	9.4
100°	46.7	11.9	0.7
105°	34.1	10.9	1.1
110°	25.1	6.7	2.2
115°	24.4	7.7	2.4
120°	15.6	6.5	4.1
125°	4.9	9.4	3.1
130°	1.4	2.4	2.1
135°	7.7	5.5	4.1
140°	7.9	5.0	4.6
145°	7.2	8.4	3.5
150°	4.9	7.3	0.0
155°	7.9	5.2	2.4
160°	4.1	3.6	2.5
165°	6.6	5.3	2.8
170°	6.7	3.1	2.8
175°	2.0	2.7	3.9
180°	4.0	4.0	4.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





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











(END OF REPORT)