

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: P600855

Luminaire Tested: **4SLSTPSLC-347-LO-5000K**

Issue Date: 7/7/2022



Test Information

Test Method: LM-79-08
Report Number: P600855
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-5000K
Description: G3 4ft 4SLSTPSLC-347 18W at 5000K
Light Source: -
Ballast/Driver: -

Summary

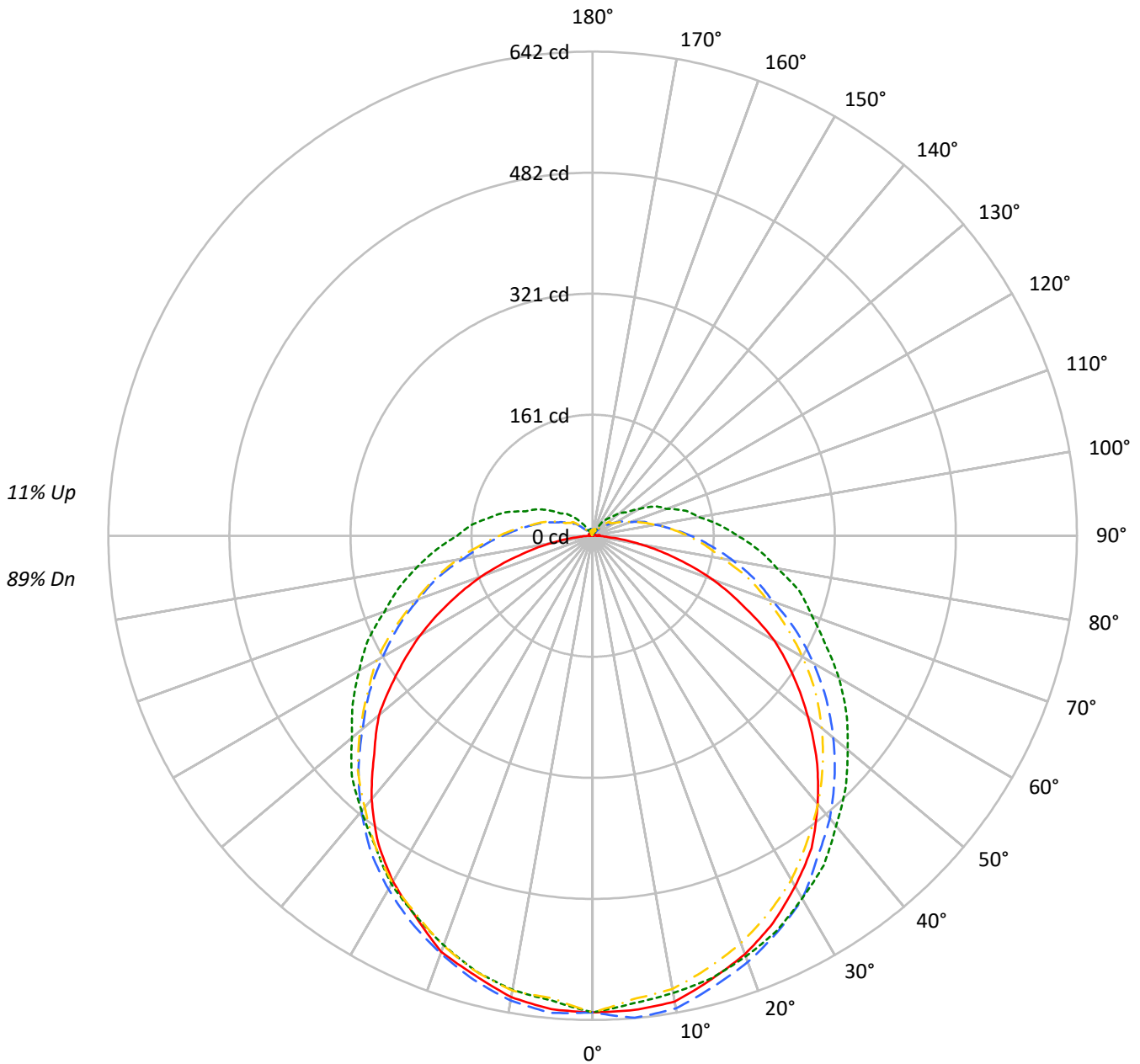
Lumens per Lamp: N/A
Luminaire Lumens: 2386.1 lumens
Efficiency: N/A
Efficacy: 129.7 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.28 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.22' x L: 4' x H: 0.22')
CIE Type: Semi-Direct

Input Watts (W): 18.4
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: 4SLSTPSLC-347-LO-5000K

Luminous Intensity Polar Plot





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CATALOG NUMBER: 4SLSTPSLC-347-LO-5000K

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°	7889	7889	7889	7889
5°	7874	7169	7859	7127
10°	7876	6630	7800	6586
15°	7756	6188	7685	6089
20°	7691	5777	7647	5621
25°	7609	5422	7473	5215
30°	7503	5069	7401	4870
35°	7429	4779	7286	4498
40°	7235	4444	7106	4216
45°	7038	4179	6856	3979
50°	6791	3905	6746	3684
55°	6571	3676	6371	3474
60°	6354	3437	6025	3259
65°	5840	3189	5530	3082
70°	5362	3005	4958	2851
75°	4520	2886	4046	2701
80°	3511	2667	3032	2531
85°	1842	2544	1611	2383



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.8	2.5
10°-20°	171.6	7.2
20°-30°	261.5	11.0
30°-40°	319.8	13.4
40°-50°	340.7	14.3
50°-60°	325.1	13.6
60°-70°	279.8	11.7
70°-80°	215.5	9.0
80°-90°	150.4	6.3
90°-100°	102.4	4.3
100°-110°	68.2	2.9
110°-120°	42.8	1.8
120°-130°	25.4	1.1
130°-140°	13.2	0.6
140°-150°	5.2	0.2
150°-160°	2.8	0.1
160°-170°	1.7	0.1
170°-180°	0.4	0.0
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0°-30°	492.8	20.7
0°-40°	812.6	34.1
0°-60°	1478.4	62.0
0°-90°	2124.1	89.0
90°-120°	213.3	8.9
90°-150°	257.0	10.8
90°-180°	262.0	11.0
0°-180°	2386.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	632	632	632	632	632	
5°	631	622	630	619	631	60
15°	609	608	603	598	609	172
25°	566	578	556	556	566	261
35°	506	534	496	502	506	315
45°	420	474	409	451	420	324
55°	325	411	315	388	325	291
65°	221	340	209	329	221	220
75°	113	284	101	266	113	121
85°	21	221	18	207	21	28
90°	5	192	2	180	5	6
95°	9	168	0	162	9	3
105°	1	128	3	120	1	1
115°	2	92	4	83	2	3
125°	3	54	2	51	3	3
135°	4	35	2	34	4	3
145°	3	22	3	3	3	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: P600855

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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	631.9	631.9	631.9	631.9	631.9	631.9	631.9	631.9	631.9	631.9	631.9
5°	631.3	636.8	620.9	641.5	639.4	632.3	622.3	625.0	626.8	616.7	629.6
10°	627.2	626.3	613.0	636.3	631.2	625.0	615.5	620.7	618.2	610.0	623.7
15°	608.8	616.6	605.6	618.9	619.4	617.7	607.5	606.8	604.7	593.3	609.6
20°	590.3	594.8	587.4	601.6	605.2	605.5	593.6	591.7	587.1	574.6	584.5
25°	566.3	570.6	564.3	579.8	580.7	582.4	577.7	565.7	565.8	552.0	558.4
30°	536.7	541.2	535.4	556.1	558.1	557.7	555.3	547.6	543.5	526.8	533.6
35°	505.9	506.5	510.8	519.7	528.9	534.3	533.8	523.0	516.4	495.2	493.7
40°	464.1	466.6	474.8	489.2	495.7	501.2	502.2	495.7	483.4	464.7	458.8
45°	420.2	423.1	439.4	453.6	464.4	475.5	474.1	465.2	454.3	431.4	419.9
50°	372.2	378.1	397.8	416.4	431.8	438.4	441.4	434.0	419.3	396.4	373.4
55°	325.2	330.6	357.8	378.3	394.2	408.6	410.8	399.8	382.9	360.4	329.9
60°	278.3	283.1	308.1	338.1	357.7	375.5	376.8	370.1	343.2	321.1	289.9
65°	220.6	239.5	265.5	297.5	320.0	346.0	340.2	334.3	312.8	282.1	244.4
70°	168.7	187.0	220.3	254.1	289.5	309.1	309.2	304.3	281.2	245.3	207.2
75°	112.6	142.2	181.7	222.4	256.3	276.7	283.8	272.6	243.3	212.2	165.4
80°	63.8	89.5	142.3	188.6	221.7	241.2	248.1	242.5	210.9	174.2	133.8
85°	20.8	61.7	109.7	157.9	193.6	217.6	221.4	208.4	187.3	150.5	99.1
90°	5.1	35.4	82.9	130.4	164.1	185.8	192.2	185.3	161.3	125.9	76.1
95°	9.2	25.2	65.3	104.1	141.5	159.1	167.9	163.5	138.2	104.0	62.7
100°	0.7	10.4	48.0	84.7	118.6	137.5	142.9	141.8	118.9	83.7	45.4
105°	1.1	14.8	33.4	71.2	97.3	121.4	128.1	118.6	97.2	67.5	30.0
110°	2.2	7.7	22.3	52.3	83.2	100.6	104.4	100.2	82.0	54.0	25.5
115°	2.3	6.3	22.4	45.2	63.9	82.1	92.4	77.7	61.6	43.8	23.1
120°	4.0	6.7	17.4	34.9	55.7	59.1	71.3	66.0	50.4	33.9	19.0
125°	3.0	5.7	16.4	27.2	39.3	51.9	54.2	52.4	43.1	28.9	13.8
130°	2.1	6.8	10.9	20.4	36.3	46.1	46.4	43.2	34.3	28.5	7.4
135°	4.0	6.0	8.3	16.3	30.0	34.3	34.6	35.0	28.7	20.9	5.9
140°	4.5	5.6	5.9	8.1	19.4	26.8	28.6	24.5	25.0	12.3	6.6
145°	3.4	6.6	9.7	5.3	10.1	20.9	22.4	23.5	15.6	4.1	8.8
150°	0.0	5.9	10.9	6.7	6.2	4.7	6.8	6.2	3.6	7.7	11.8
155°	2.3	2.1	9.3	6.7	7.4	3.3	1.6	5.5	5.1	8.1	9.2
160°	2.5	2.6	3.6	4.2	7.7	7.8	8.6	12.3	7.9	9.3	3.6
165°	2.7	4.8	3.0	4.0	8.5	4.5	6.3	9.9	6.4	3.6	6.6
170°	2.7	5.2	1.1	1.5	4.2	3.1	7.8	5.1	7.0	4.5	3.1
175°	3.8	5.3	3.8	3.4	7.1	5.7	1.9	0.4	4.1	8.9	0.0
180°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9



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CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	631.9	631.9	631.9	631.9	631.9	631.9	631.9	631.9	631.9	631.9	631.9
5°	623.5	630.1	635.6	625.6	635.0	636.1	635.3	618.6	626.4	625.2	615.3
10°	620.3	621.2	624.2	613.4	625.7	627.1	628.9	611.4	617.7	619.7	612.5
15°	600.8	603.2	612.0	598.4	609.6	612.7	612.7	597.7	605.6	601.5	598.1
20°	588.2	586.9	590.7	580.7	589.2	590.4	597.8	577.6	590.7	589.5	578.4
25°	559.8	556.2	559.8	559.8	566.9	571.4	577.2	555.7	570.4	566.5	553.5
30°	533.8	529.4	530.6	532.5	541.3	543.8	554.9	533.5	546.5	541.9	531.2
35°	499.0	496.2	495.2	503.3	512.3	513.9	525.6	502.4	518.9	510.1	502.4
40°	455.8	455.8	457.7	469.6	476.7	486.3	498.8	476.4	490.5	481.5	469.9
45°	417.6	409.3	408.3	427.9	439.0	450.9	463.3	451.4	460.2	447.2	440.0
50°	369.3	369.7	362.3	380.9	398.0	415.7	428.0	416.4	426.4	417.3	402.3
55°	321.0	315.3	313.3	340.0	361.0	384.4	392.6	388.3	393.1	387.6	364.1
60°	270.4	263.9	268.9	297.7	320.9	348.8	360.6	357.3	353.0	345.2	330.7
65°	221.7	208.9	220.6	253.5	283.8	311.3	324.3	328.8	323.5	312.2	289.9
70°	167.2	156.0	171.9	207.0	245.3	273.5	288.9	293.4	290.2	275.3	248.8
75°	119.2	100.8	125.3	169.1	211.8	239.0	258.3	265.6	257.9	246.3	215.4
80°	81.3	55.1	83.9	131.9	173.1	209.2	227.0	235.5	228.6	209.1	181.6
85°	52.1	18.2	52.0	98.0	144.8	181.2	198.7	207.4	201.0	184.0	150.0
90°	28.2	2.1	33.4	76.5	119.0	151.2	175.7	179.5	174.3	153.3	123.7
95°	19.4	0.1	19.3	53.6	98.1	130.9	150.4	161.6	154.2	132.5	101.9
100°	12.0	4.9	12.0	42.6	81.1	110.8	128.2	138.5	130.3	110.0	82.1
105°	10.7	2.6	11.2	34.6	66.0	89.8	109.1	120.1	111.5	94.8	69.1
110°	7.9	1.2	5.7	25.7	51.6	79.6	90.2	94.3	93.6	77.3	55.6
115°	6.4	4.5	0.0	22.7	42.3	63.4	72.7	82.9	78.5	61.8	39.7
120°	4.9	5.7	5.3	12.7	30.9	51.6	59.5	67.6	59.5	53.0	33.9
125°	7.5	2.5	8.9	4.0	28.3	44.5	51.6	51.4	51.9	42.8	31.7
130°	4.5	0.7	9.4	2.2	12.6	32.4	40.9	45.4	42.7	34.8	18.7
135°	5.7	2.3	5.6	6.7	5.5	20.4	36.1	34.1	36.3	25.7	3.6
140°	2.3	1.9	6.2	5.6	4.1	3.1	10.0	21.9	13.3	0.4	2.6
145°	8.3	3.3	7.7	10.3	5.3	7.1	5.7	2.7	6.7	0.1	0.8
150°	6.4	0.0	5.2	10.8	6.2	3.0	1.2	1.1	0.0	2.5	5.2
155°	5.9	1.1	9.7	10.1	6.4	11.9	7.4	4.7	7.5	8.6	6.7
160°	6.4	3.1	5.1	8.9	9.4	8.3	10.3	9.0	7.1	8.3	6.8
165°	8.2	3.7	2.6	8.1	7.7	7.7	6.6	8.1	5.9	7.7	2.7
170°	4.5	4.5	7.8	4.5	9.0	7.1	8.9	5.1	4.9	4.2	5.1
175°	3.3	2.1	4.9	3.7	5.3	4.4	6.3	5.2	5.6	4.0	8.1
180°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9



TEST NUMBER: P600855

CATALOG NUMBER: 4SLSTPSLC-347-LO-5000K

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	631.9	631.9	631.9
5°	632.0	626.3	631.3
10°	620.7	620.7	627.2
15°	605.9	611.1	608.8
20°	589.2	591.0	590.3
25°	567.3	567.3	566.3
30°	538.4	539.8	536.7
35°	508.9	507.5	505.9
40°	468.1	469.1	464.1
45°	430.9	431.6	420.2
50°	388.7	385.0	372.2
55°	344.4	337.8	325.2
60°	302.1	283.9	278.3
65°	260.3	235.9	220.6
70°	215.6	189.5	168.7
75°	173.0	134.8	112.6
80°	136.8	94.6	63.8
85°	107.3	55.8	20.8
90°	82.8	35.8	5.1
95°	61.4	18.1	9.2
100°	45.6	11.6	0.7
105°	33.2	10.7	1.1
110°	24.5	6.6	2.2
115°	23.8	7.5	2.3
120°	15.2	6.3	4.0
125°	4.8	9.2	3.0
130°	1.4	2.3	2.1
135°	7.5	5.3	4.0
140°	7.7	4.9	4.5
145°	7.0	8.2	3.4
150°	4.8	7.1	0.0
155°	7.7	5.1	2.3
160°	4.0	3.6	2.5
165°	6.4	5.2	2.7
170°	6.6	3.0	2.7
175°	1.9	2.6	3.8
180°	3.9	3.9	3.9



Report Generated By 670246072 / DESKTOP-MV3F9LC





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











(END OF REPORT)