

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: P600856

Luminaire Tested: **4SLSTPSLC-347-MID-3500K**

Issue Date: 7/7/2022



Test Information

Test Method: LM-79-08
Report Number: P600856
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-MID-3500K
Description: G3 4ft 4SLSTPSLC-347 30W at 3500K
Light Source: -
Ballast/Driver: -

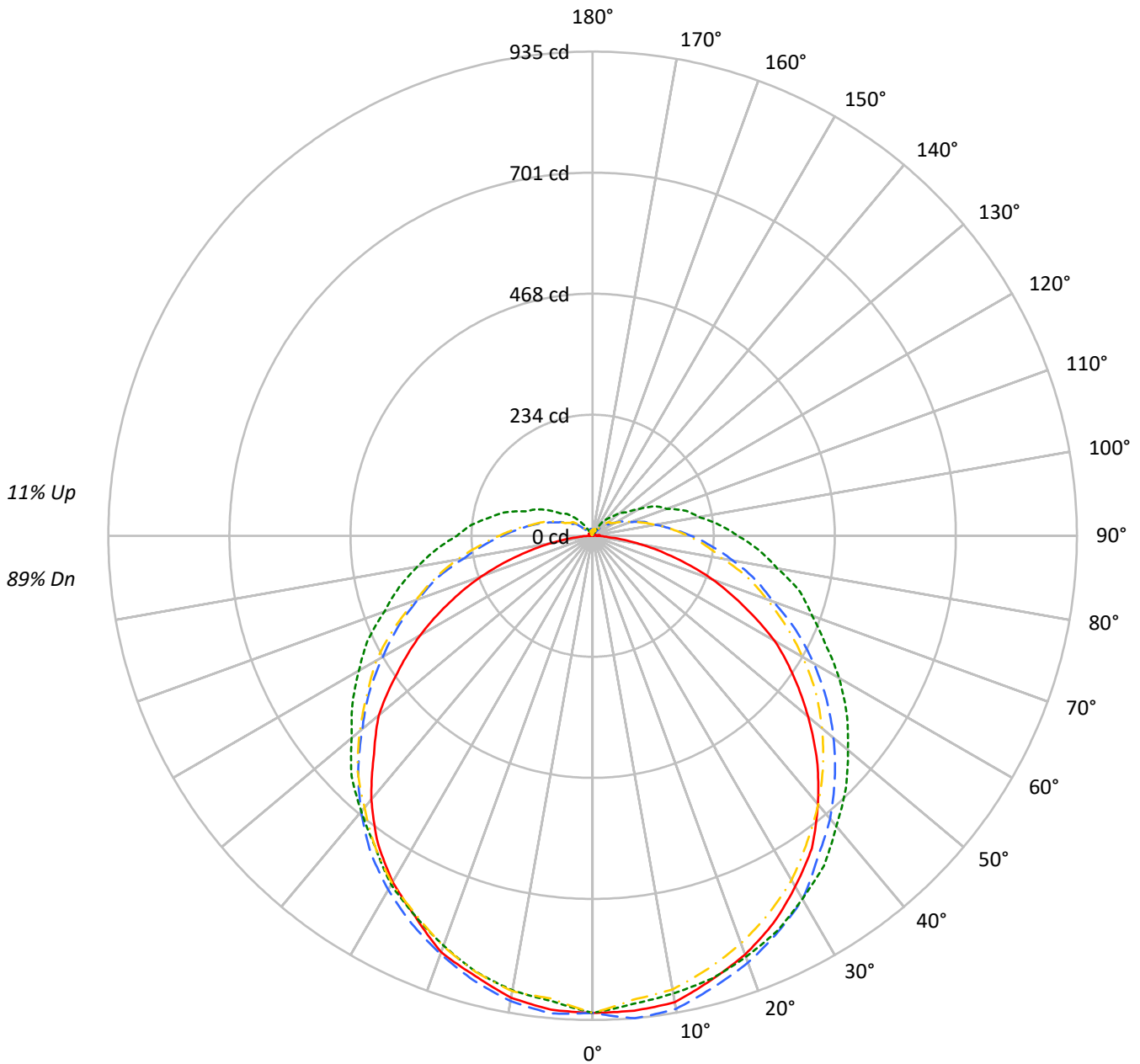
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3479.1 lumens
Efficiency: N/A
Efficacy: 113.0 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): 30.8
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

TEST NUMBER: P600856
CATALOG NUMBER: 4SLSTPSLC-347-MID-3500K

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°	11503	11503	11503	11503
5°	11481	10454	11459	10392
10°	11485	9666	11374	9602
15°	11308	9023	11204	8878
20°	11214	8423	11149	8196
25°	11096	7905	10897	7604
30°	10939	7391	10791	7101
35°	10831	6968	10623	6559
40°	10550	6479	10361	6147
45°	10263	6093	9995	5802
50°	9902	5694	9837	5371
55°	9582	5359	9289	5066
60°	9265	5011	8788	4751
65°	8513	4650	8066	4494
70°	7818	4382	7227	4157
75°	6591	4208	5900	3937
80°	5117	3888	4424	3691
85°	2683	3709	2346	3476



TEST NUMBER: P600856

CATALOG NUMBER: 4SLSTPSLC-347-MID-3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.2	2.5
10°-20°	250.1	7.2
20°-30°	381.2	11.0
30°-40°	466.3	13.4
40°-50°	496.7	14.3
50°-60°	474.0	13.6
60°-70°	408.0	11.7
70°-80°	314.2	9.0
80°-90°	219.3	6.3
90°-100°	149.3	4.3
100°-110°	99.4	2.9
110°-120°	62.3	1.8
120°-130°	37.0	1.1
130°-140°	19.2	0.6
140°-150°	7.6	0.2
150°-160°	4.1	0.1
160°-170°	2.5	0.1
170°-180°	0.6	0.0
0°-30°	718.5	20.7
0°-40°	1184.9	34.1
0°-60°	2155.6	62.0
0°-90°	3097.1	89.0
90°-120°	311.0	8.9
90°-150°	374.8	10.8
90°-180°	382.0	11.0
0°-180°	3479.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	921	921	921	921	921	
5°	920	907	919	902	920	88
15°	888	886	879	872	888	251
25°	826	842	811	810	826	380
35°	738	778	723	733	738	460
45°	613	691	597	658	613	472
55°	474	599	460	566	474	425
65°	322	496	305	479	322	321
75°	164	414	147	387	164	176
85°	30	323	26	302	30	40
90°	7	280	3	262	7	8
95°	13	245	0	236	13	5
105°	2	187	4	175	2	2
115°	3	135	7	121	3	4
125°	4	79	4	75	4	4
135°	6	50	3	50	6	4
145°	5	33	5	4	5	3
155°	3	2	2	7	3	1
165°	4	9	5	12	4	1
175°	6	3	3	8	6	0
180°	6	6	6	6	6	



TEST NUMBER: P600856

CATALOG NUMBER: 4SLSTPSLC-347-MID-3500K

CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	921.4	921.4	921.4	921.4	921.4	921.4	921.4	921.4	921.4	921.4	921.4
5°	920.5	928.5	905.4	935.3	932.3	921.9	907.4	911.4	914.0	899.2	917.9
10°	914.6	913.2	893.8	927.7	920.3	911.4	897.4	905.0	901.4	889.4	909.4
15°	887.6	899.0	883.0	902.4	903.2	900.6	885.8	884.8	881.6	865.1	888.8
20°	860.7	867.3	856.5	877.2	882.4	882.8	865.5	862.7	856.1	837.7	852.3
25°	825.8	832.0	822.8	845.3	846.7	849.1	842.3	824.8	825.0	804.8	814.2
30°	782.5	789.1	780.7	810.8	813.8	813.2	809.6	798.4	792.5	768.1	778.1
35°	737.6	738.6	744.8	757.7	771.1	779.1	778.3	762.5	752.9	722.0	719.8
40°	676.7	680.3	692.3	713.2	722.8	730.8	732.2	722.8	704.9	677.5	669.0
45°	612.7	616.9	640.6	661.4	677.1	693.3	691.3	678.3	662.4	629.1	612.3
50°	542.7	551.2	580.0	607.1	629.7	639.2	643.6	632.8	611.3	578.0	544.5
55°	474.2	482.0	521.7	551.6	574.8	595.7	598.9	583.0	558.2	525.5	481.0
60°	405.8	412.8	449.3	493.0	521.5	547.5	549.4	539.7	500.4	468.2	422.8
65°	321.6	349.1	387.0	433.7	466.7	504.6	496.0	487.4	456.1	411.4	356.3
70°	246.0	272.7	321.2	370.5	422.2	450.7	450.9	443.7	410.0	357.7	302.1
75°	164.2	207.3	264.9	324.2	373.7	403.4	413.8	397.4	354.7	309.4	241.2
80°	93.0	130.5	207.5	274.9	323.2	351.7	361.7	353.5	307.4	254.0	195.1
85°	30.3	90.0	160.0	230.2	282.3	317.2	322.8	303.9	273.1	219.5	144.4
90°	7.4	51.7	120.9	190.1	239.2	270.9	280.3	270.1	235.2	183.5	110.9
95°	13.4	36.7	95.2	151.8	206.3	232.0	244.8	238.4	201.5	151.6	91.4
100°	1.0	15.2	70.0	123.5	173.0	200.5	208.3	206.7	173.4	122.1	66.2
105°	1.6	21.5	48.7	103.7	141.9	177.0	186.7	173.0	141.7	98.4	43.7
110°	3.2	11.2	32.5	76.2	121.3	146.6	152.2	146.0	119.5	78.8	37.1
115°	3.4	9.2	32.7	65.8	93.2	119.7	134.7	113.3	89.8	63.8	33.7
120°	5.8	9.8	25.3	50.9	81.2	86.2	103.9	96.2	73.4	49.5	27.7
125°	4.4	8.4	23.9	39.7	57.3	75.6	79.0	76.4	62.8	42.1	20.2
130°	3.0	10.0	16.0	29.7	52.9	67.2	67.6	63.0	50.1	41.5	10.8
135°	5.8	8.8	12.2	23.7	43.7	50.1	50.5	51.1	41.9	30.5	8.6
140°	6.6	8.2	8.6	11.8	28.3	39.1	41.7	35.7	36.5	18.0	9.6
145°	5.0	9.6	14.2	7.8	14.8	30.5	32.7	34.3	22.7	6.0	12.8
150°	0.0	8.6	16.0	9.8	9.0	6.8	10.0	9.0	5.2	11.2	17.2
155°	3.4	3.0	13.6	9.8	10.8	4.8	2.4	8.0	7.4	11.8	13.4
160°	3.6	3.8	5.2	6.2	11.2	11.4	12.6	18.0	11.6	13.6	5.2
165°	4.0	7.0	4.4	5.8	12.4	6.6	9.2	14.4	9.4	5.2	9.6
170°	4.0	7.6	1.6	2.2	6.2	4.6	11.4	7.4	10.2	6.6	4.6
175°	5.6	7.8	5.6	5.0	10.4	8.4	2.8	0.6	6.0	13.0	0.0
180°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7



TEST NUMBER: P600856

CATALOG NUMBER: 4SLSTPSLC-347-MID-3500K

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	921.4	921.4	921.4	921.4	921.4	921.4	921.4	921.4	921.4	921.4	921.4
5°	909.2	918.7	926.7	912.2	925.9	927.5	926.3	902.0	913.4	911.6	897.2
10°	904.4	905.8	910.2	894.4	912.4	914.4	916.9	891.4	900.6	903.6	893.0
15°	876.0	879.4	892.4	872.5	888.8	893.4	893.4	871.5	883.0	877.0	872.1
20°	857.7	855.7	861.3	846.7	859.1	860.9	871.7	842.1	861.3	859.5	843.3
25°	816.2	811.0	816.2	816.2	826.6	833.2	841.5	810.2	831.8	826.0	807.0
30°	778.3	771.9	773.7	776.5	789.3	792.8	809.0	777.9	796.8	790.1	774.5
35°	727.6	723.4	722.0	733.8	747.0	749.4	766.3	732.6	756.5	743.8	732.6
40°	664.6	664.6	667.4	684.7	695.1	709.1	727.2	694.7	715.2	702.1	685.1
45°	608.9	596.7	595.3	623.9	640.0	657.4	675.5	658.2	670.9	652.0	641.6
50°	538.5	539.1	528.3	555.4	580.4	606.1	624.1	607.1	621.7	608.5	586.6
55°	468.0	459.7	456.9	495.8	526.3	560.4	572.4	566.2	573.2	565.2	530.9
60°	394.2	384.9	392.0	434.1	467.8	508.5	525.7	520.9	514.7	503.4	482.2
65°	323.2	304.7	321.6	369.7	413.8	453.9	472.8	479.4	471.6	455.3	422.8
70°	243.8	227.4	250.6	301.9	357.7	398.8	421.2	427.7	423.2	401.4	362.7
75°	173.8	147.0	182.8	246.6	308.8	348.5	376.7	387.2	376.1	359.1	314.0
80°	118.5	80.4	122.3	192.3	252.4	305.0	331.0	343.4	333.4	304.8	264.7
85°	76.0	26.5	75.8	142.8	211.1	264.2	289.7	302.5	293.1	268.3	218.7
90°	41.1	3.0	48.7	111.5	173.6	220.5	256.2	261.8	254.2	223.5	180.4
95°	28.3	0.2	28.1	78.2	143.0	190.9	219.3	235.6	224.8	193.1	148.6
100°	17.6	7.2	17.6	62.0	118.3	161.6	186.9	201.9	189.9	160.4	119.7
105°	15.6	3.8	16.4	50.5	96.2	130.9	159.0	175.2	162.6	138.3	100.8
110°	11.6	1.8	8.4	37.5	75.2	116.1	131.5	137.5	136.5	112.7	81.0
115°	9.4	6.6	0.0	33.1	61.6	92.4	105.9	120.9	114.5	90.2	57.9
120°	7.2	8.4	7.8	18.6	45.1	75.2	86.8	98.6	86.8	77.2	49.5
125°	11.0	3.6	13.0	5.8	41.3	64.8	75.2	75.0	75.6	62.4	46.3
130°	6.6	1.0	13.8	3.2	18.4	47.3	59.7	66.2	62.2	50.7	27.3
135°	8.4	3.4	8.2	9.8	8.0	29.7	52.7	49.7	52.9	37.5	5.2
140°	3.4	2.8	9.0	8.2	6.0	4.6	14.6	31.9	19.4	0.6	3.8
145°	12.2	4.8	11.2	15.0	7.8	10.4	8.4	4.0	9.8	0.2	1.2
150°	9.4	0.0	7.6	15.8	9.0	4.4	1.8	1.6	0.0	3.6	7.6
155°	8.6	1.6	14.2	14.8	9.4	17.4	10.8	6.8	11.0	12.6	9.8
160°	9.4	4.6	7.4	13.0	13.8	12.2	15.0	13.2	10.4	12.2	10.0
165°	12.0	5.4	3.8	11.8	11.2	11.2	9.6	11.8	8.6	11.2	4.0
170°	6.6	6.6	11.4	6.6	13.2	10.4	13.0	7.4	7.2	6.2	7.4
175°	4.8	3.0	7.2	5.4	7.8	6.4	9.2	7.6	8.2	5.8	11.8
180°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7



TEST NUMBER: P600856

CATALOG NUMBER: 4SLSTPSLC-347-MID-3500K

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	921.4	921.4	921.4
5°	921.5	913.2	920.5
10°	905.0	905.0	914.6
15°	883.4	891.0	887.6
20°	859.1	861.7	860.7
25°	827.2	827.2	825.8
30°	785.1	787.1	782.5
35°	742.0	740.0	737.6
40°	682.5	683.9	676.7
45°	628.3	629.3	612.7
50°	566.8	561.4	542.7
55°	502.2	492.6	474.2
60°	440.5	414.0	405.8
65°	379.5	344.0	321.6
70°	314.4	276.3	246.0
75°	252.2	196.5	164.2
80°	199.5	137.9	93.0
85°	156.4	81.4	30.3
90°	120.7	52.3	7.4
95°	89.6	26.3	13.4
100°	66.4	17.0	1.0
105°	48.5	15.6	1.6
110°	35.7	9.6	3.2
115°	34.7	11.0	3.4
120°	22.1	9.2	5.8
125°	7.0	13.4	4.4
130°	2.0	3.4	3.0
135°	11.0	7.8	5.8
140°	11.2	7.2	6.6
145°	10.2	12.0	5.0
150°	7.0	10.4	0.0
155°	11.2	7.4	3.4
160°	5.8	5.2	3.6
165°	9.4	7.6	4.0
170°	9.6	4.4	4.0
175°	2.8	3.8	5.6
180°	5.7	5.7	5.7



Report Generated By 670246072 / DESKTOP-MV3F9LC





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











(END OF REPORT)