

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: P600858

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

Issue Date: 7/7/2022



Test Information

Test Method: LM-79-08
Report Number: P600858
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-5000K
Description: G3 4ft 4SLSTPSLC-347 30W at 5000K
Light Source: -
Ballast/Driver: -

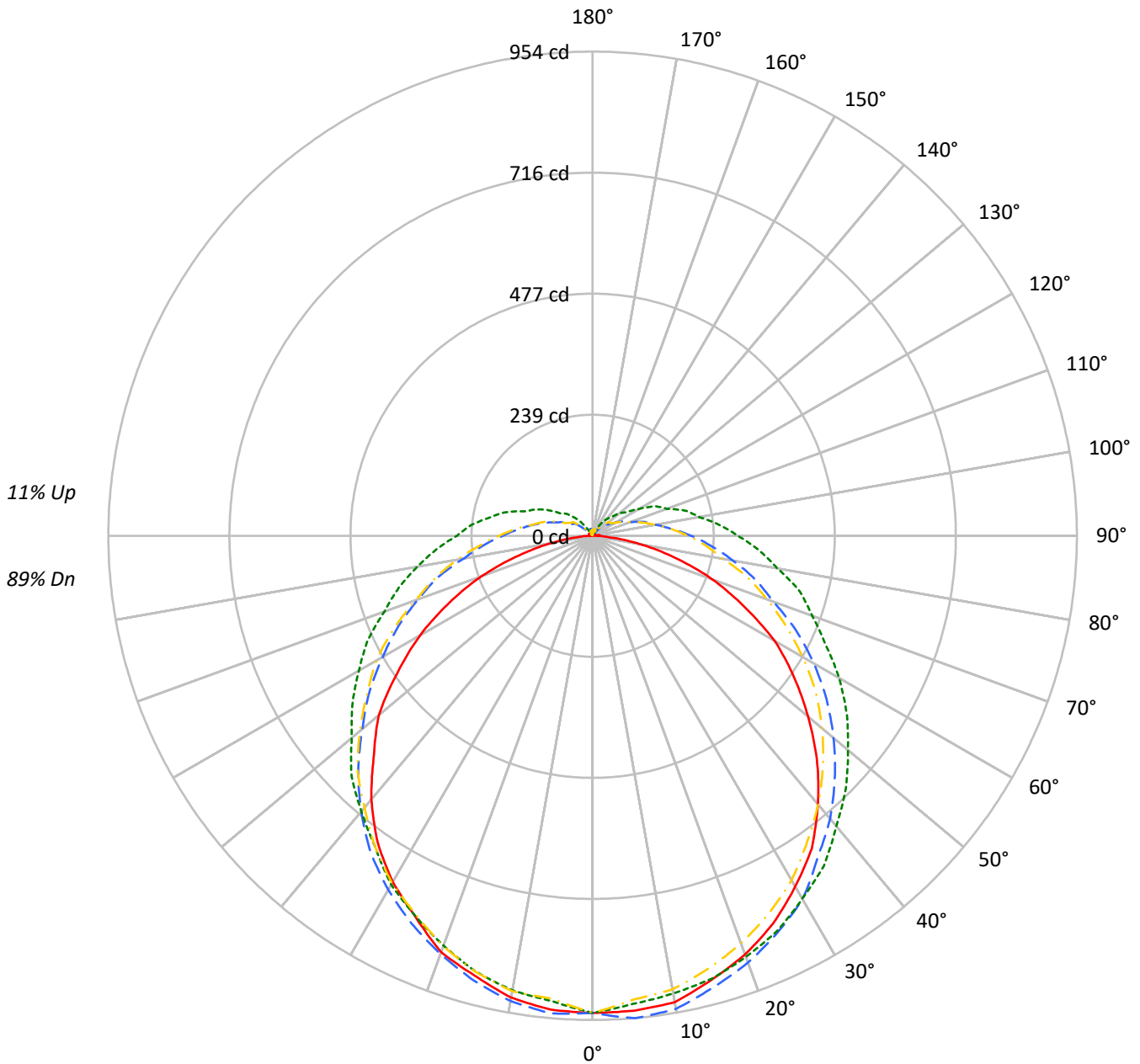
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3549.6 lumens
Efficiency: N/A
Efficacy: 115.2 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

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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°	11736	11736	11736	11736
5°	11715	10666	11692	10603
10°	11717	9863	11604	9797
15°	11537	9207	11432	9057
20°	11441	8594	11374	8362
25°	11320	8066	11117	7758
30°	11160	7540	11009	7246
35°	11050	7109	10839	6691
40°	10765	6610	10570	6272
45°	10470	6217	10197	5919
50°	10103	5810	10036	5480
55°	9776	5468	9476	5169
60°	9452	5113	8966	4848
65°	8685	4744	8227	4585
70°	7977	4471	7376	4241
75°	6723	4293	6021	4018
80°	5222	3966	4512	3765
85°	2736	3784	2399	3546



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.9	2.5
10°-20°	255.2	7.2
20°-30°	388.9	11.0
30°-40°	475.8	13.4
40°-50°	506.8	14.3
50°-60°	483.7	13.6
60°-70°	416.2	11.7
70°-80°	320.5	9.0
80°-90°	223.8	6.3
90°-100°	152.3	4.3
100°-110°	101.4	2.9
110°-120°	63.6	1.8
120°-130°	37.7	1.1
130°-140°	19.6	0.6
140°-150°	7.7	0.2
150°-160°	4.2	0.1
160°-170°	2.5	0.1
170°-180°	0.6	0.0
0°-30°	733.1	20.7
0°-40°	1208.9	34.1
0°-60°	2199.3	62.0
0°-90°	3159.9	89.0
90°-120°	317.3	8.9
90°-150°	382.3	10.8
90°-180°	390.0	11.0
0°-180°	3549.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	940	940	940	940	940	
5°	939	926	937	920	939	89
15°	906	904	897	889	906	256
25°	842	859	827	827	842	388
35°	752	794	738	747	752	469
45°	625	705	609	672	625	482
55°	484	611	469	578	484	433
65°	328	506	311	489	328	327
75°	168	422	150	395	168	180
85°	31	329	27	309	31	41
90°	8	286	3	267	8	8
95°	14	250	0	240	14	5
105°	2	190	4	179	2	2
115°	4	137	7	123	4	4
125°	4	81	4	76	4	4
135°	6	52	4	51	6	4
145°	5	33	5	4	5	3
155°	4	2	2	7	4	1
165°	4	9	6	12	4	1
175°	6	3	3	8	6	0
180°	6	6	6	6	6	



TEST NUMBER: P600858

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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	940.1	940.1	940.1	940.1	940.1	940.1	940.1	940.1	940.1	940.1	940.1
5°	939.2	947.3	923.7	954.3	951.2	940.6	925.8	929.8	932.5	917.4	936.6
10°	933.1	931.7	911.9	946.5	939.0	929.8	915.6	923.3	919.7	907.4	927.8
15°	905.6	917.2	900.9	920.7	921.5	918.8	903.8	902.8	899.5	882.6	906.8
20°	878.1	884.8	873.9	895.0	900.3	900.7	883.0	880.2	873.4	854.7	869.6
25°	842.5	848.8	839.5	862.5	863.9	866.3	859.4	841.5	841.7	821.1	830.7
30°	798.3	805.1	796.5	827.2	830.3	829.7	826.0	814.6	808.5	783.7	793.9
35°	752.5	753.6	759.9	773.1	786.7	794.9	794.1	778.0	768.2	736.7	734.4
40°	690.5	694.1	706.3	727.7	737.5	745.6	747.0	737.5	719.2	691.3	682.5
45°	625.1	629.4	653.6	674.8	690.9	707.3	705.3	692.1	675.8	641.8	624.7
50°	553.7	562.4	591.7	619.4	642.4	652.2	656.7	645.7	623.7	589.7	555.5
55°	483.8	491.8	532.3	562.8	586.4	607.8	611.1	594.8	569.5	536.2	490.8
60°	414.0	421.2	458.4	503.0	532.1	558.6	560.6	550.6	510.5	477.7	431.3
65°	328.1	356.2	394.9	442.5	476.1	514.8	506.0	497.3	465.3	419.7	363.5
70°	251.0	278.3	327.7	378.0	430.7	459.8	460.0	452.7	418.3	365.0	308.2
75°	167.5	211.5	270.3	330.8	381.3	411.6	422.2	405.5	361.9	315.7	246.1
80°	94.9	133.1	211.7	280.5	329.8	358.9	369.0	360.7	313.7	259.1	199.1
85°	30.9	91.8	163.3	234.9	288.0	323.7	329.3	310.0	278.7	223.9	147.4
90°	7.5	52.7	123.4	194.0	244.1	276.4	286.0	275.6	240.0	187.3	113.2
95°	13.6	37.5	97.1	154.9	210.5	236.7	249.8	243.2	205.6	154.7	93.2
100°	1.0	15.5	71.4	126.0	176.5	204.6	212.5	210.9	176.9	124.6	67.6
105°	1.6	22.0	49.7	105.8	144.7	180.6	190.5	176.5	144.5	100.4	44.6
110°	3.3	11.4	33.2	77.8	123.8	149.6	155.3	149.0	121.9	80.4	37.9
115°	3.5	9.4	33.4	67.2	95.1	122.1	137.4	115.6	91.6	65.1	34.4
120°	5.9	10.0	25.9	51.9	82.8	87.9	106.1	98.1	74.9	50.5	28.3
125°	4.5	8.5	24.4	40.5	58.4	77.1	80.6	78.0	64.1	43.0	20.6
130°	3.1	10.2	16.3	30.3	53.9	68.6	69.0	64.3	51.1	42.3	11.0
135°	5.9	9.0	12.4	24.2	44.6	51.1	51.5	52.1	42.7	31.1	8.8
140°	6.7	8.3	8.8	12.0	28.9	39.9	42.5	36.4	37.3	18.3	9.8
145°	5.1	9.8	14.5	7.9	15.1	31.1	33.4	35.0	23.2	6.1	13.0
150°	0.0	8.8	16.3	10.0	9.2	6.9	10.2	9.2	5.3	11.4	17.5
155°	3.5	3.1	13.8	10.0	11.0	4.9	2.4	8.1	7.5	12.0	13.6
160°	3.7	3.9	5.3	6.3	11.4	11.6	12.8	18.3	11.8	13.8	5.3
165°	4.1	7.1	4.5	5.9	12.6	6.7	9.4	14.7	9.6	5.3	9.8
170°	4.1	7.7	1.6	2.2	6.3	4.7	11.6	7.5	10.4	6.7	4.7
175°	5.7	7.9	5.7	5.1	10.6	8.5	2.8	0.6	6.1	13.2	0.0
180°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8



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CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	940.1	940.1	940.1	940.1	940.1	940.1	940.1	940.1	940.1	940.1	940.1
5°	927.6	937.4	945.5	930.6	944.7	946.3	945.1	920.3	931.9	930.0	915.4
10°	922.7	924.1	928.6	912.5	930.9	932.9	935.5	909.5	918.8	921.9	911.1
15°	893.8	897.3	910.5	890.1	906.8	911.5	911.5	889.1	900.9	894.8	889.7
20°	875.1	873.0	878.7	863.9	876.5	878.3	889.3	859.2	878.7	876.9	860.4
25°	832.7	827.4	832.7	832.7	843.3	850.0	858.6	826.6	848.6	842.7	823.4
30°	794.1	787.5	789.4	792.2	805.3	808.9	825.4	793.7	813.0	806.1	790.2
35°	742.4	738.1	736.7	748.7	762.1	764.5	781.8	747.4	771.9	758.8	747.4
40°	678.0	678.0	680.9	698.6	709.2	723.4	742.0	708.8	729.7	716.3	699.0
45°	621.2	608.8	607.4	636.5	653.0	670.7	689.2	671.5	684.6	665.2	654.6
50°	549.4	550.0	539.0	566.7	592.1	618.4	636.7	619.4	634.3	620.8	598.4
55°	477.5	469.0	466.1	505.8	537.0	571.8	584.0	577.7	584.8	576.7	541.7
60°	402.2	392.7	400.0	442.9	477.3	518.9	536.4	531.5	525.2	513.6	492.0
65°	329.8	310.8	328.1	377.2	422.2	463.1	482.4	489.1	481.2	464.5	431.3
70°	248.7	232.1	255.7	308.0	365.0	406.9	429.7	436.4	431.7	409.5	370.1
75°	177.3	150.0	186.5	251.6	315.1	355.6	384.3	395.1	383.7	366.4	320.4
80°	120.9	82.0	124.8	196.2	257.5	311.2	337.7	350.3	340.1	311.0	270.1
85°	77.6	27.1	77.4	145.7	215.4	269.5	295.6	308.6	299.0	273.8	223.1
90°	41.9	3.1	49.7	113.8	177.1	224.9	261.4	267.1	259.3	228.0	184.0
95°	28.9	0.2	28.7	79.8	145.9	194.8	223.7	240.4	229.4	197.0	151.6
100°	17.9	7.3	17.9	63.3	120.7	164.9	190.7	206.0	193.8	163.7	122.1
105°	15.9	3.9	16.7	51.5	98.1	133.5	162.2	178.7	165.9	141.1	102.8
110°	11.8	1.8	8.5	38.3	76.7	118.5	134.1	140.2	139.2	115.0	82.6
115°	9.6	6.7	0.0	33.8	62.9	94.2	108.1	123.4	116.8	92.0	59.0
120°	7.3	8.5	7.9	18.9	46.0	76.7	88.5	100.6	88.5	78.8	50.5
125°	11.2	3.7	13.2	5.9	42.1	66.2	76.7	76.5	77.1	63.7	47.2
130°	6.7	1.0	14.0	3.3	18.7	48.2	60.9	67.6	63.5	51.7	27.9
135°	8.5	3.5	8.3	10.0	8.1	30.3	53.7	50.7	53.9	38.3	5.3
140°	3.5	2.8	9.2	8.3	6.1	4.7	14.9	32.6	19.7	0.6	3.9
145°	12.4	4.9	11.4	15.3	7.9	10.6	8.5	4.1	10.0	0.2	1.2
150°	9.6	0.0	7.7	16.1	9.2	4.5	1.8	1.6	0.0	3.7	7.7
155°	8.8	1.6	14.5	15.1	9.6	17.7	11.0	6.9	11.2	12.8	10.0
160°	9.6	4.7	7.5	13.2	14.0	12.4	15.3	13.4	10.6	12.4	10.2
165°	12.2	5.5	3.9	12.0	11.4	11.4	9.8	12.0	8.8	11.4	4.1
170°	6.7	6.7	11.6	6.7	13.4	10.6	13.2	7.5	7.3	6.3	7.5
175°	4.9	3.1	7.3	5.5	7.9	6.5	9.4	7.7	8.3	5.9	12.0
180°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8



TEST NUMBER: P600858

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	940.1	940.1	940.1
5°	940.2	931.7	939.2
10°	923.3	923.3	933.1
15°	901.3	909.1	905.6
20°	876.5	879.1	878.1
25°	843.9	843.9	842.5
30°	801.0	803.0	798.3
35°	757.0	755.0	752.5
40°	696.4	697.8	690.5
45°	641.0	642.0	625.1
50°	578.3	572.8	553.7
55°	512.3	502.6	483.8
60°	449.4	422.4	414.0
65°	387.2	350.9	328.1
70°	320.8	281.9	251.0
75°	257.3	200.5	167.5
80°	203.6	140.7	94.9
85°	159.6	83.0	30.9
90°	123.1	53.3	7.5
95°	91.4	26.9	13.6
100°	67.8	17.3	1.0
105°	49.5	15.9	1.6
110°	36.4	9.8	3.3
115°	35.4	11.2	3.5
120°	22.6	9.4	5.9
125°	7.1	13.6	4.5
130°	2.0	3.5	3.1
135°	11.2	7.9	5.9
140°	11.4	7.3	6.7
145°	10.4	12.2	5.1
150°	7.1	10.6	0.0
155°	11.4	7.5	3.5
160°	5.9	5.3	3.7
165°	9.6	7.7	4.1
170°	9.8	4.5	4.1
175°	2.8	3.9	5.7
180°	5.8	5.8	5.8



Report Generated By 670246072 / DESKTOP-MV3F9LC





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











(END OF REPORT)