

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: P600857

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

Issue Date: 7/7/2022



Test Information

Test Method: LM-79-08
Report Number: P600857
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-4000K
Description: G3 4ft 4SLSTPSLC-347 30W at 4000K
Light Source: -
Ballast/Driver: -

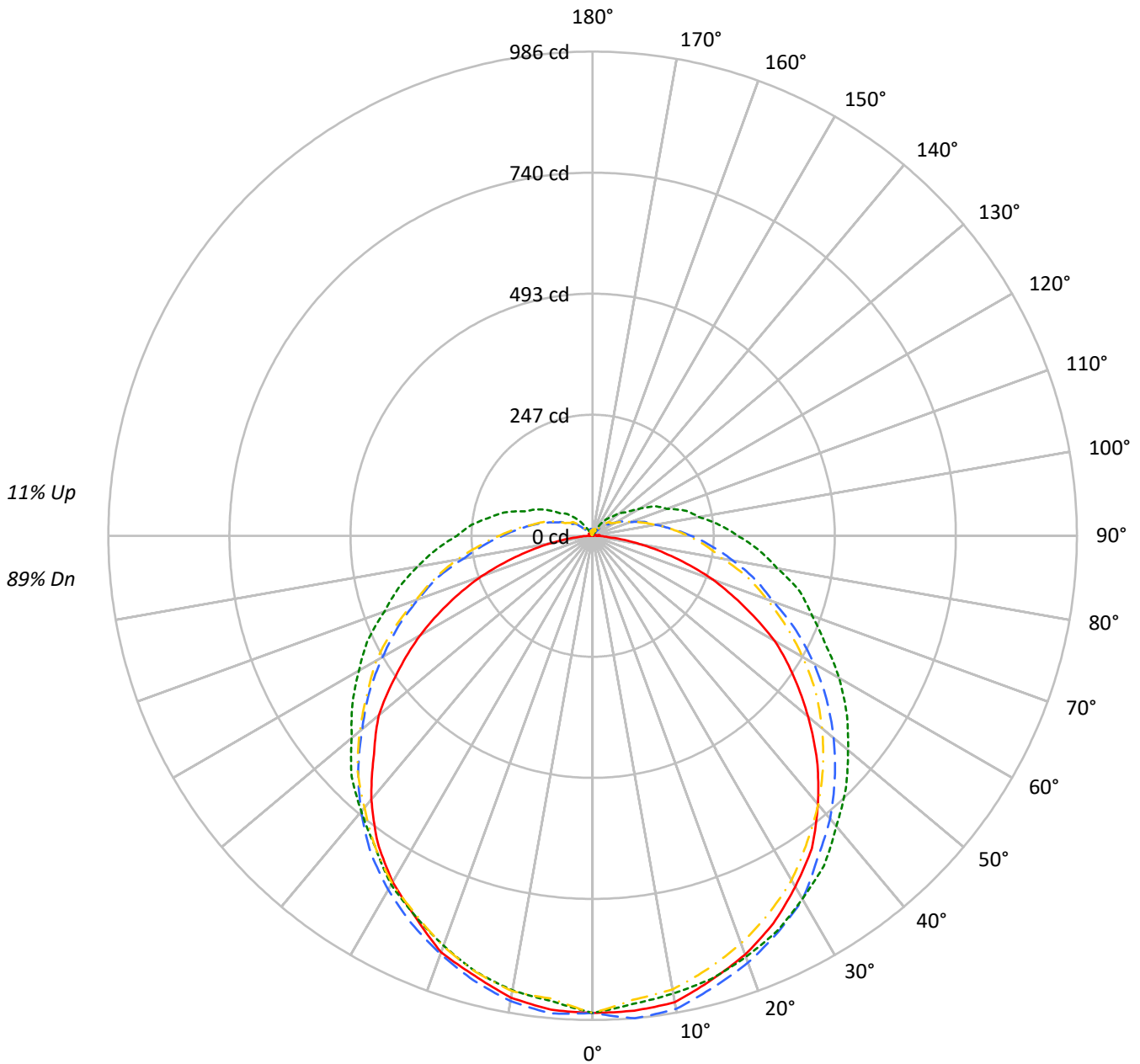
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3669.0 lumens
Efficiency: N/A
Efficacy: 120.7 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): 30.4
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°	12131	12131	12131	12131
5°	12109	11024	12085	10959
10°	12111	10194	11995	10126
15°	11926	9516	11816	9362
20°	11826	8883	11757	8643
25°	11702	8337	11492	8019
30°	11536	7794	11379	7489
35°	11423	7348	11203	6917
40°	11126	6833	10925	6483
45°	10822	6426	10541	6118
50°	10443	6005	10373	5665
55°	10105	5651	9796	5343
60°	9772	5285	9267	5011
65°	8979	4904	8505	4740
70°	8244	4621	7624	4384
75°	6952	4438	6225	4153
80°	5393	4101	4666	3892
85°	2833	3912	2479	3666



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.9	2.5
10°-20°	263.8	7.2
20°-30°	402.0	11.0
30°-40°	491.8	13.4
40°-50°	523.9	14.3
50°-60°	499.9	13.6
60°-70°	430.2	11.7
70°-80°	331.3	9.0
80°-90°	231.3	6.3
90°-100°	157.5	4.3
100°-110°	104.8	2.9
110°-120°	65.7	1.8
120°-130°	39.0	1.1
130°-140°	20.2	0.6
140°-150°	8.0	0.2
150°-160°	4.4	0.1
160°-170°	2.6	0.1
170°-180°	0.7	0.0
0°-30°	757.8	20.7
0°-40°	1249.5	34.1
0°-60°	2273.3	62.0
0°-90°	3266.2	89.0
90°-120°	328.0	8.9
90°-150°	395.2	10.8
90°-180°	403.0	11.0
0°-180°	3669.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	972	972	972	972	972	
5°	971	957	969	951	971	92
15°	936	934	928	919	936	265
25°	871	888	855	854	871	401
35°	778	821	763	773	778	485
45°	646	729	629	694	646	498
55°	500	632	485	597	500	448
65°	339	523	321	506	339	338
75°	173	436	155	408	173	186
85°	32	340	28	319	32	42
90°	8	296	3	276	8	8
95°	14	258	0	248	14	5
105°	2	197	4	185	2	2
115°	4	142	7	128	4	4
125°	5	83	4	79	5	4
135°	6	53	4	52	6	4
145°	5	34	5	4	5	3
155°	4	2	2	7	4	1
165°	4	10	6	12	4	1
175°	6	3	3	8	6	1
180°	6	6	6	6	6	



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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	971.7	971.7	971.7	971.7	971.7	971.7	971.7	971.7	971.7	971.7	971.7
5°	970.8	979.2	954.8	986.4	983.2	972.3	956.9	961.1	963.8	948.3	968.1
10°	964.5	963.0	942.6	978.4	970.6	961.1	946.4	954.4	950.6	938.0	959.0
15°	936.1	948.1	931.2	951.6	952.5	949.8	934.2	933.1	929.8	912.3	937.3
20°	907.7	914.6	903.3	925.1	930.6	931.0	912.7	909.8	902.8	883.5	898.8
25°	870.9	877.4	867.7	891.5	892.9	895.5	888.3	869.8	870.0	848.8	858.6
30°	825.2	832.1	823.3	855.1	858.2	857.6	853.8	842.0	835.7	810.0	820.6
35°	777.9	778.9	785.4	799.1	813.2	821.6	820.8	804.2	794.1	761.4	759.1
40°	713.7	717.5	730.1	752.2	762.3	770.7	772.2	762.3	743.3	714.5	705.5
45°	646.1	650.6	675.6	697.5	714.1	731.1	729.0	715.4	698.5	663.4	645.7
50°	572.3	581.3	611.6	640.3	664.0	674.1	678.8	667.4	644.7	609.5	574.2
55°	500.1	508.3	550.2	581.8	606.2	628.3	631.6	614.8	588.7	554.2	507.3
60°	428.0	435.3	473.8	519.9	550.0	577.3	579.4	569.1	527.7	493.8	445.8
65°	339.2	368.2	408.2	457.4	492.1	532.1	523.1	514.0	481.0	433.8	375.8
70°	259.4	287.6	338.7	390.7	445.2	475.3	475.5	467.9	432.4	377.2	318.5
75°	173.2	218.6	279.4	341.9	394.1	425.4	436.4	419.1	374.1	326.3	254.4
80°	98.0	137.6	218.8	289.9	340.9	370.9	381.5	372.8	324.2	267.8	205.8
85°	32.0	94.9	168.7	242.8	297.7	334.5	340.4	320.4	288.0	231.4	152.3
90°	7.8	54.5	127.5	200.5	252.3	285.7	295.6	284.9	248.1	193.6	117.0
95°	14.1	38.7	100.4	160.1	217.6	244.7	258.2	251.4	212.5	159.9	96.4
100°	1.1	16.0	73.9	130.2	182.4	211.5	219.7	218.0	182.8	128.8	69.9
105°	1.7	22.7	51.3	109.4	149.6	186.6	196.9	182.4	149.4	103.7	46.1
110°	3.4	11.8	34.3	80.4	127.9	154.6	160.5	154.0	126.0	83.1	39.1
115°	3.6	9.7	34.5	69.4	98.3	126.2	142.0	119.5	94.7	67.3	35.6
120°	6.1	10.3	26.7	53.7	85.6	90.9	109.6	101.4	77.4	52.2	29.2
125°	4.6	8.8	25.2	41.9	60.4	79.7	83.3	80.6	66.3	44.4	21.3
130°	3.2	10.5	16.8	31.3	55.8	70.9	71.3	66.5	52.8	43.8	11.4
135°	6.1	9.3	12.8	25.0	46.1	52.8	53.2	53.9	44.2	32.2	9.0
140°	6.9	8.6	9.0	12.4	29.9	41.2	44.0	37.7	38.5	18.9	10.1
145°	5.3	10.1	14.9	8.2	15.6	32.2	34.5	36.2	24.0	6.3	13.5
150°	0.0	9.0	16.8	10.3	9.5	7.2	10.5	9.5	5.5	11.8	18.1
155°	3.6	3.2	14.3	10.3	11.4	5.0	2.5	8.4	7.8	12.4	14.1
160°	3.8	4.0	5.5	6.5	11.8	12.0	13.3	18.9	12.2	14.3	5.5
165°	4.2	7.4	4.6	6.1	13.0	6.9	9.7	15.1	9.9	5.5	10.1
170°	4.2	8.0	1.7	2.3	6.5	4.8	12.0	7.8	10.7	6.9	4.8
175°	5.9	8.2	5.9	5.3	10.9	8.8	2.9	0.6	6.3	13.7	0.0
180°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0



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CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	971.7	971.7	971.7	971.7	971.7	971.7	971.7	971.7	971.7	971.7	971.7
5°	958.8	968.9	977.3	962.0	976.5	978.2	976.9	951.2	963.2	961.3	946.2
10°	953.8	955.2	959.9	943.2	962.2	964.3	967.0	940.1	949.8	952.9	941.8
15°	923.9	927.5	941.1	920.1	937.3	942.2	942.2	919.0	931.2	924.9	919.7
20°	904.5	902.4	908.3	892.9	906.0	907.9	919.2	888.1	908.3	906.4	889.4
25°	860.8	855.3	860.8	860.8	871.7	878.6	887.5	854.4	877.2	871.1	851.1
30°	820.8	814.0	815.9	818.9	832.3	836.1	853.2	820.4	840.3	833.2	816.8
35°	767.3	762.9	761.4	773.9	787.7	790.3	808.2	772.6	797.8	784.4	772.6
40°	700.8	700.8	703.8	722.1	733.0	747.8	766.9	732.6	754.3	740.4	722.5
45°	642.1	629.3	627.8	657.9	675.0	693.3	712.4	694.1	707.6	687.6	676.7
50°	567.9	568.5	557.1	585.8	612.1	639.2	658.1	640.3	655.6	641.7	618.6
55°	493.6	484.8	481.8	522.8	555.0	591.0	603.6	597.1	604.5	596.1	559.9
60°	415.8	405.9	413.4	457.8	493.4	536.3	554.4	549.4	542.8	530.8	508.5
65°	340.9	321.3	339.2	389.9	436.4	478.7	498.7	505.6	497.4	480.1	445.8
70°	257.1	239.9	264.3	318.3	377.2	420.6	444.2	451.1	446.3	423.3	382.5
75°	183.3	155.1	192.7	260.1	325.7	367.6	397.2	408.4	396.6	378.7	331.2
80°	125.0	84.8	129.0	202.8	266.2	321.7	349.1	362.1	351.6	321.5	279.2
85°	80.2	28.0	80.0	150.6	222.6	278.6	305.5	319.0	309.1	283.0	230.6
90°	43.3	3.2	51.3	117.6	183.0	232.5	270.2	276.0	268.1	235.6	190.2
95°	29.9	0.2	29.7	82.5	150.9	201.4	231.2	248.5	237.1	203.7	156.7
100°	18.5	7.6	18.5	65.4	124.8	170.4	197.1	212.9	200.3	169.2	126.2
105°	16.4	4.0	17.3	53.2	101.4	138.0	167.7	184.7	171.5	145.8	106.3
110°	12.2	1.9	8.8	39.6	79.3	122.5	138.7	145.0	143.9	118.9	85.4
115°	9.9	6.9	0.0	34.9	65.0	97.4	111.7	127.5	120.8	95.1	61.0
120°	7.6	8.8	8.2	19.6	47.6	79.3	91.5	103.9	91.5	81.4	52.2
125°	11.6	3.8	13.7	6.1	43.6	68.4	79.3	79.1	79.7	65.9	48.8
130°	6.9	1.1	14.5	3.4	19.4	49.9	62.9	69.9	65.6	53.4	28.8
135°	8.8	3.6	8.6	10.3	8.4	31.3	55.5	52.4	55.8	39.6	5.5
140°	3.6	2.9	9.5	8.6	6.3	4.8	15.4	33.7	20.4	0.6	4.0
145°	12.8	5.0	11.8	15.8	8.2	10.9	8.8	4.2	10.3	0.2	1.3
150°	9.9	0.0	8.0	16.6	9.5	4.6	1.9	1.7	0.0	3.8	8.0
155°	9.0	1.7	14.9	15.6	9.9	18.3	11.4	7.2	11.6	13.3	10.3
160°	9.9	4.8	7.8	13.7	14.5	12.8	15.8	13.9	10.9	12.8	10.5
165°	12.6	5.7	4.0	12.4	11.8	11.8	10.1	12.4	9.0	11.8	4.2
170°	6.9	6.9	12.0	6.9	13.9	10.9	13.7	7.8	7.6	6.5	7.8
175°	5.0	3.2	7.6	5.7	8.2	6.7	9.7	8.0	8.6	6.1	12.4
180°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0



TEST NUMBER: P600857

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	971.7	971.7	971.7
5°	971.8	963.0	970.8
10°	954.4	954.4	964.5
15°	931.7	939.7	936.1
20°	906.0	908.7	907.7
25°	872.3	872.3	870.9
30°	827.9	830.0	825.2
35°	782.5	780.4	777.9
40°	719.8	721.3	713.7
45°	662.6	663.6	646.1
50°	597.8	592.1	572.3
55°	529.6	519.5	500.1
60°	464.6	436.6	428.0
65°	400.2	362.7	339.2
70°	331.6	291.4	259.4
75°	265.9	207.2	173.2
80°	210.4	145.4	98.0
85°	165.0	85.8	32.0
90°	127.3	55.1	7.8
95°	94.5	27.8	14.1
100°	70.1	17.9	1.1
105°	51.1	16.4	1.7
110°	37.7	10.1	3.4
115°	36.6	11.6	3.6
120°	23.4	9.7	6.1
125°	7.4	14.1	4.6
130°	2.1	3.6	3.2
135°	11.6	8.2	6.1
140°	11.8	7.6	6.9
145°	10.7	12.6	5.3
150°	7.4	10.9	0.0
155°	11.8	7.8	3.6
160°	6.1	5.5	3.8
165°	9.9	8.0	4.2
170°	10.1	4.6	4.2
175°	2.9	4.0	5.9
180°	6.0	6.0	6.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





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











(END OF REPORT)