

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: P709700

Luminaire Tested: **2AWS-L3C39-SQR-UNV-4000K-LOW**

Issue Date: 9/26/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P709700  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2307-090-1)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/26/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 2AWS-L3C39-SQR-UNV-4000K-LOW  
Description: 2foot, Adapt Surface Wrap with, SQR lens and LOW lumen setting, 4000K, 90CRI  
  
Light Source: -  
Ballast/Driver: -

**Summary**

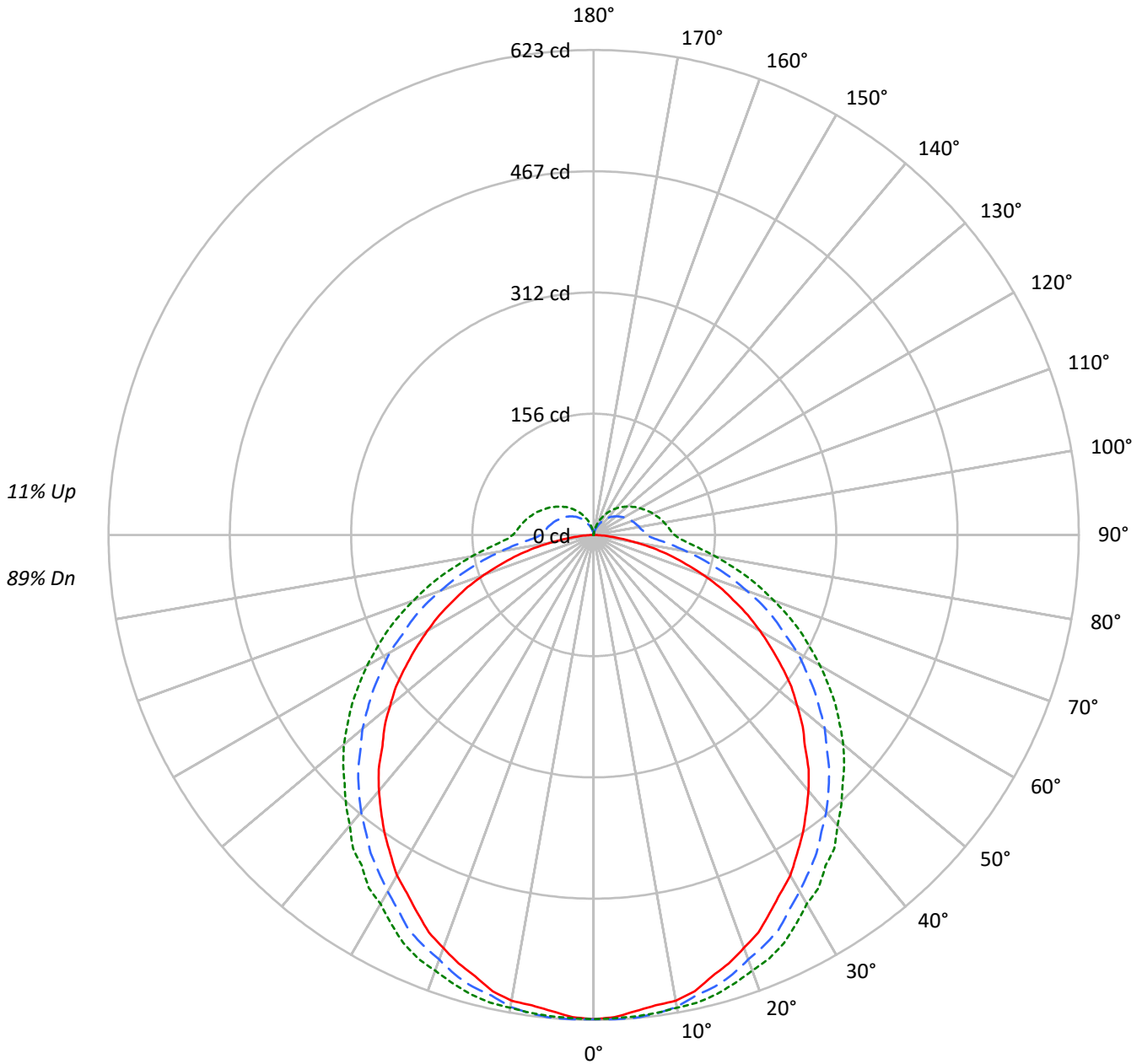
Lumens per Lamp: N/A  
Luminaire Lumens: 2171.0 lumens  
Efficiency: N/A  
Efficacy: 127.7 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.31 / 1.4  
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 1.71' x H: 0.12')  
CIE Type: Semi-Direct

Input Watts (W): 17  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	105	100	95	91	101	96	92	88	90	87	83	84	82	79	79	77	75	72																			
2	95	86	79	73	91	83	77	71	78	73	68	73	69	65	69	65	62	59																			
3	86	75	67	60	83	73	65	59	68	62	56	64	59	54	60	56	52	49																			
4	79	67	57	51	76	64	56	50	61	53	48	57	51	46	54	48	44	42																			
5	72	59	50	43	69	57	49	43	54	47	41	51	45	40	48	43	38	36																			
6	67	53	44	38	64	52	43	37	49	41	36	46	40	35	43	38	34	31																			
7	62	48	39	33	59	47	38	33	44	37	32	42	35	31	40	34	30	27																			
8	57	44	35	29	55	43	35	29	40	33	28	38	32	27	36	31	27	24																			
9	54	40	32	26	52	39	31	26	37	30	25	35	29	25	34	28	24	22																			
10	50	37	29	24	48	36	29	23	34	28	23	33	27	22	31	26	22	20																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	8513	8513	8513
5°	8384	8382	8337
10°	8338	8213	8194
15°	8162	8010	8088
20°	8017	7788	7921
25°	7829	7631	7787
30°	7670	7362	7517
35°	7452	7163	7331
40°	7237	6938	7140
45°	6933	6707	6941
50°	6701	6448	6796
55°	6393	6170	6584
60°	6018	5883	6330
65°	5564	5530	6082
70°	5011	5087	5731
75°	4236	4608	5420
80°	3055	4073	5044
85°	1551	3669	4850



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	59.0	2.7
10°-20°	169.2	7.8
20°-30°	256.7	11.8
30°-40°	310.7	14.3
40°-50°	327.1	15.1
50°-60°	304.7	14.0
60°-70°	248.5	11.4
70°-80°	167.5	7.7
80°-90°	90.0	4.1
90°-100°	62.4	2.9
100°-110°	53.4	2.5
110°-120°	43.6	2.0
120°-130°	33.1	1.5
130°-140°	22.9	1.1
140°-150°	13.7	0.6
150°-160°	6.4	0.3
160°-170°	1.9	0.1
170°-180°	0.2	0.0
0°-30°	484.9	22.3
0°-40°	795.6	36.6
0°-60°	1427.3	65.7
0°-90°	1933.4	89.1
90°-120°	159.4	7.3
90°-150°	229.2	10.6
90°-180°	238.0	11.0
0°-180°	2171.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	622	622	622	622	622	
5°	614	621	623	623	621	58
15°	587	594	601	606	611	166
25°	536	546	561	566	578	247
35°	468	479	499	514	519	293
45°	383	402	428	446	452	297
55°	295	316	345	367	379	264
65°	198	222	256	282	293	196
75°	101	128	163	190	202	107
85°	18	49	86	113	123	22
90°	1	31	67	94	104	1
95°	0	28	64	88	97	0
105°	0	25	56	78	87	0
115°	1	22	48	67	75	1
125°	1	18	41	57	63	1
135°	1	14	33	46	51	1
145°	1	9	24	34	38	1
155°	1	5	14	22	24	1
165°	1	3	6	9	11	0
175°	1	1	1	1	1	0
180°	1	1	1	1	1	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	622.1	622.1	622.1	622.1	622.1
2.5°	620.1	620.8	622.7	624.7	621.4
5°	614.1	620.8	622.7	622.7	620.8
7.5°	609.5	615.5	620.1	618.8	619.4
10°	607.5	610.8	615.5	618.8	616.8
12.5°	600.3	602.2	606.2	611.5	615.5
15°	587.0	593.7	600.9	606.2	610.8
17.5°	577.1	583.1	592.3	597.0	603.6
20°	564.6	571.2	580.4	590.4	595.6
22.5°	552.7	558.6	571.2	577.8	589.0
25°	535.5	546.1	560.6	565.9	578.5
27.5°	519.0	530.9	543.4	558.0	563.2
30°	505.1	513.7	528.9	541.4	547.4
32.5°	485.9	497.8	513.7	528.9	537.5
35°	468.0	479.3	499.1	513.7	519.0
37.5°	448.2	460.8	480.6	497.8	507.7
40°	429.0	442.9	464.7	481.3	487.2
42.5°	408.6	423.1	446.2	465.4	470.7
45°	383.4	401.9	427.7	446.2	452.2
47.5°	364.3	381.4	405.9	427.7	436.3
50°	341.1	360.3	387.4	407.2	418.5
52.5°	320.0	337.8	365.6	384.8	398.0
55°	294.8	316.0	345.1	366.9	378.8
57.5°	270.4	292.2	322.6	345.1	357.0
60°	246.6	269.1	302.1	324.6	335.8
62.5°	223.4	247.2	277.0	304.1	313.4
65°	197.7	222.1	256.5	281.6	292.9
67.5°	175.2	197.0	234.0	257.2	269.7
70°	149.4	175.2	208.9	235.3	245.9
72.5°	124.3	151.4	186.4	213.5	224.1
75°	101.1	127.6	163.3	189.7	202.3
77.5°	78.0	105.1	141.5	168.6	179.2
80°	54.2	84.0	120.3	147.4	158.7
82.5°	34.4	64.8	102.5	128.3	138.8
85°	17.8	48.9	85.9	113.0	123.0
87.5°	5.9	37.0	74.0	100.5	110.4
90°	0.7	31.1	67.4	93.9	103.8
92.5°	0.0	29.7	65.4	90.6	99.8
95°	0.0	28.4	63.5	87.9	97.2
97.5°	0.0	27.8	60.8	85.3	94.5
100°	0.0	26.4	59.5	83.3	91.9
102.5°	0.0	25.8	57.5	80.7	89.2
105°	0.0	25.1	55.5	78.0	86.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.7	22.5	50.2	70.7	78.0
115°	0.7	21.8	48.3	67.4	74.7
117.5°	0.7	20.5	46.9	64.8	71.4
120°	0.7	19.8	45.0	62.8	68.8
122.5°	0.7	19.2	43.0	59.5	66.1
125°	0.7	17.8	41.0	56.9	62.8
127.5°	0.7	16.5	39.0	54.2	59.5
130°	0.7	15.9	37.0	50.9	56.9
132.5°	0.7	14.5	35.0	48.9	53.5
135°	0.7	13.9	33.1	45.6	50.9
137.5°	0.7	12.6	31.1	43.0	47.6
140°	0.7	11.2	28.4	40.3	44.3
142.5°	0.7	10.6	26.4	37.0	41.0
145°	1.3	9.3	23.8	33.7	37.7
147.5°	1.3	8.6	21.2	31.1	34.4
150°	1.3	7.3	18.5	27.8	31.1
152.5°	1.3	6.6	16.5	24.5	27.8
155°	1.3	5.3	13.9	21.8	23.8
157.5°	1.3	4.6	11.9	18.5	21.2
160°	1.3	4.0	9.9	15.9	17.8
162.5°	1.3	3.3	7.9	12.6	14.5
165°	1.3	2.6	5.9	9.3	11.2
167.5°	1.3	2.0	4.6	6.6	8.6
170°	1.3	2.0	3.3	4.6	6.6
172.5°	1.3	1.3	2.0	2.6	4.0
175°	1.3	1.3	1.3	1.3	1.3
177.5°	1.3	1.3	0.7	0.7	0.0
180°	0.7	0.7	0.7	0.7	0.7



Report Generated By 670246072 / DESKTOP-MV3F9LC







— 0°-180°    - - 45°-225°    - - - - 90°-270°







107.5°	0.0	23.8	54.2	75.4	83.3
110°	0.7	23.1	52.2	72.7	80.7



(END OF REPORT)