

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: P709703

Luminaire Tested: **2AWS-L3C39-SQR-UNV-5000K-LOW**

Issue Date: 9/26/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P709703  
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-5000K-LOW  
Description: 2foot, Adapt Surface Wrap with, SQR lens and LOW lumen setting, 5000K, 90CRI  
  
Light Source: -  
Ballast/Driver: -

**Summary**

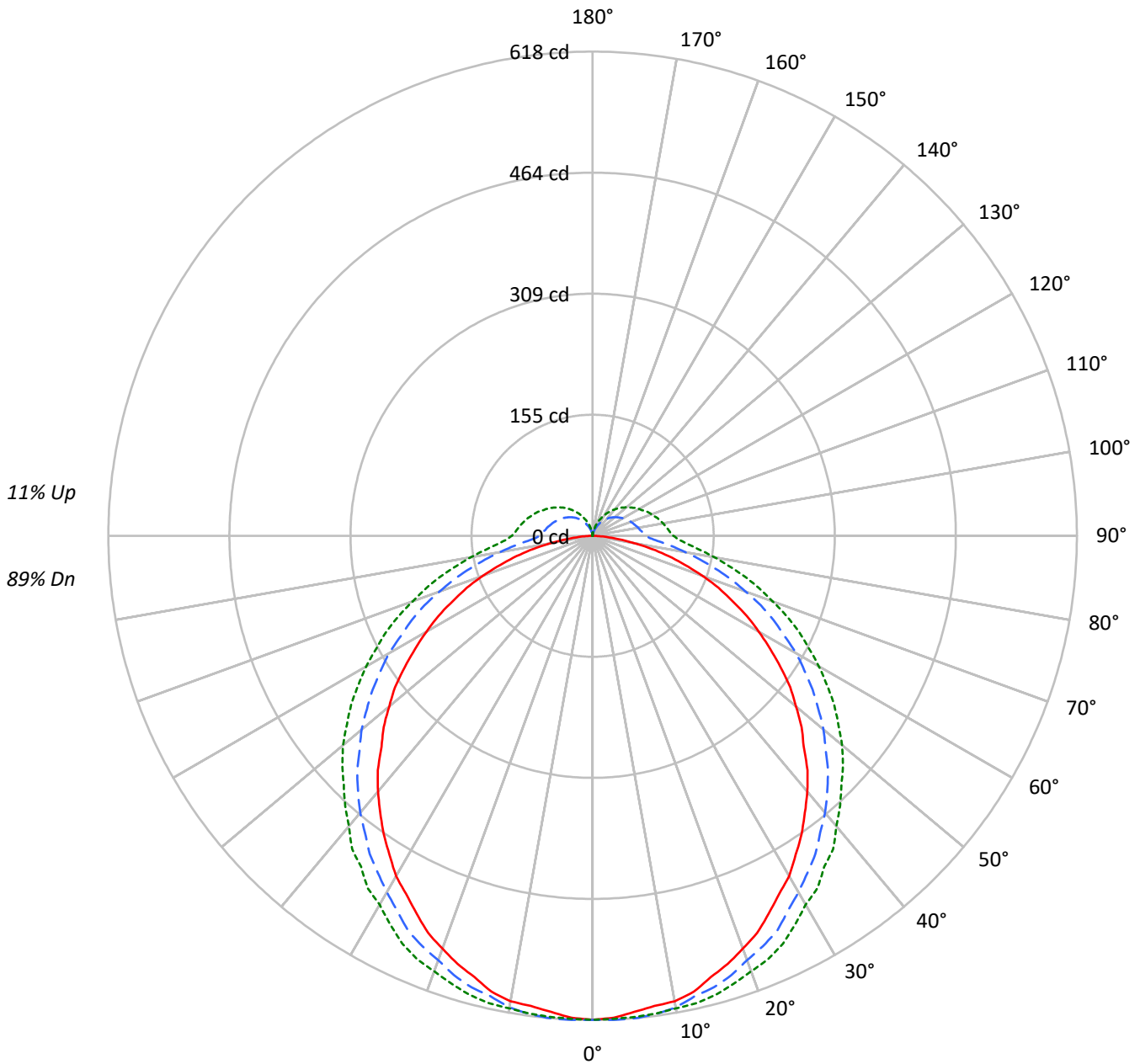
Lumens per Lamp: N/A  
Luminaire Lumens: 2156.0 lumens  
Efficiency: N/A  
Efficacy: 126.8 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.31 / 1.4  
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 1.71' x H: 0.12')  
CIE Type: Semi-Direct

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°	8454	8454	8454
5°	8327	8324	8280
10°	8281	8156	8137
15°	8107	7956	8032
20°	7962	7735	7867
25°	7775	7578	7733
30°	7617	7311	7465
35°	7401	7115	7280
40°	7188	6890	7092
45°	6886	6661	6893
50°	6656	6403	6749
55°	6349	6128	6539
60°	5976	5842	6287
65°	5525	5491	6038
70°	4978	5053	5691
75°	4207	4577	5382
80°	3033	4046	5009
85°	1542	3644	4815



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	58.6	2.7
10°-20°	168.1	7.8
20°-30°	254.9	11.8
30°-40°	308.5	14.3
40°-50°	324.8	15.1
50°-60°	302.5	14.0
60°-70°	246.8	11.4
70°-80°	166.4	7.7
80°-90°	89.4	4.1
90°-100°	62.0	2.9
100°-110°	53.0	2.5
110°-120°	43.3	2.0
120°-130°	32.9	1.5
130°-140°	22.8	1.1
140°-150°	13.6	0.6
150°-160°	6.3	0.3
160°-170°	1.9	0.1
170°-180°	0.2	0.0
0°-30°	481.6	22.3
0°-40°	790.1	36.6
0°-60°	1417.5	65.7
0°-90°	1920.1	89.1
90°-120°	158.3	7.3
90°-150°	227.6	10.6
90°-180°	236.0	10.9
0°-180°	2156.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	618	618	618	618	618	
5°	610	616	618	618	616	58
15°	583	590	597	602	607	165
25°	532	542	557	562	574	245
35°	465	476	496	510	515	291
45°	381	399	425	443	449	295
55°	293	314	343	364	376	262
65°	196	221	255	280	291	195
75°	100	127	162	188	201	106
85°	18	49	85	112	122	22
90°	1	31	67	93	103	1
95°	0	28	63	87	96	0
105°	0	25	55	78	86	0
115°	1	22	48	67	74	1
125°	1	18	41	56	62	1
135°	1	14	33	45	51	1
145°	1	9	24	34	37	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°	617.8	617.8	617.8	617.8	617.8
2.5°	615.8	616.5	618.4	620.4	617.1
5°	609.9	616.5	618.4	618.4	616.5
7.5°	605.3	611.2	615.8	614.5	615.2
10°	603.3	606.6	611.2	614.5	612.5
12.5°	596.1	598.1	602.0	607.3	611.2
15°	583.0	589.6	596.8	602.0	606.6
17.5°	573.1	579.0	588.2	592.8	599.4
20°	560.7	567.2	576.4	586.3	591.5
22.5°	548.8	554.8	567.2	573.8	585.0
25°	531.8	542.3	556.7	562.0	574.5
27.5°	515.4	527.2	539.7	554.1	559.4
30°	501.6	510.1	525.2	537.7	543.6
32.5°	482.5	494.4	510.1	525.2	533.7
35°	464.8	476.0	495.7	510.1	515.4
37.5°	445.1	457.6	477.3	494.4	504.2
40°	426.1	439.9	461.5	477.9	483.9
42.5°	405.7	420.2	443.2	462.2	467.4
45°	380.8	399.2	424.8	443.2	449.1
47.5°	361.7	378.8	403.1	424.8	433.3
50°	338.8	357.8	384.7	404.4	415.6
52.5°	317.8	335.5	363.1	382.1	395.2
55°	292.8	313.8	342.7	364.4	376.2
57.5°	268.5	290.2	320.4	342.7	354.5
60°	244.9	267.2	300.0	322.4	333.5
62.5°	221.9	245.5	275.1	302.0	311.2
65°	196.3	220.6	254.7	279.7	290.8
67.5°	174.0	195.6	232.4	255.4	267.9
70°	148.4	174.0	207.5	233.7	244.2
72.5°	123.4	150.3	185.1	212.1	222.6
75°	100.4	126.7	162.2	188.4	200.9
77.5°	77.5	104.4	140.5	167.4	177.9
80°	53.8	83.4	119.5	146.4	157.6
82.5°	34.1	64.3	101.8	127.4	137.9
85°	17.7	48.6	85.3	112.3	122.1
87.5°	5.9	36.8	73.5	99.8	109.6
90°	0.7	30.9	67.0	93.2	103.1
92.5°	0.0	29.5	65.0	89.9	99.1
95°	0.0	28.2	63.0	87.3	96.5
97.5°	0.0	27.6	60.4	84.7	93.9
100°	0.0	26.3	59.1	82.7	91.3
102.5°	0.0	25.6	57.1	80.1	88.6
105°	0.0	24.9	55.1	77.5	86.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.7	22.3	49.9	70.2	77.5
115°	0.7	21.7	47.9	67.0	74.2
117.5°	0.7	20.4	46.6	64.3	70.9
120°	0.7	19.7	44.6	62.4	68.3
122.5°	0.7	19.0	42.7	59.1	65.7
125°	0.7	17.7	40.7	56.5	62.4
127.5°	0.7	16.4	38.7	53.8	59.1
130°	0.7	15.8	36.8	50.6	56.5
132.5°	0.7	14.4	34.8	48.6	53.2
135°	0.7	13.8	32.8	45.3	50.6
137.5°	0.7	12.5	30.9	42.7	47.3
140°	0.7	11.2	28.2	40.0	44.0
142.5°	0.7	10.5	26.3	36.8	40.7
145°	1.3	9.2	23.6	33.5	37.4
147.5°	1.3	8.5	21.0	30.9	34.1
150°	1.3	7.2	18.4	27.6	30.9
152.5°	1.3	6.6	16.4	24.3	27.6
155°	1.3	5.3	13.8	21.7	23.6
157.5°	1.3	4.6	11.8	18.4	21.0
160°	1.3	3.9	9.8	15.8	17.7
162.5°	1.3	3.3	7.9	12.5	14.4
165°	1.3	2.6	5.9	9.2	11.2
167.5°	1.3	2.0	4.6	6.6	8.5
170°	1.3	2.0	3.3	4.6	6.6
172.5°	1.3	1.3	2.0	2.6	3.9
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	23.6	53.8	74.8	82.7
110°	0.7	23.0	51.9	72.2	80.1



(END OF REPORT)