

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: P709697

Luminaire Tested: **2AWS-L3C39-SQR-UNV-3500K-LOW**

Issue Date: 9/26/2023



Test Information

Test Method: LM-79-08
Report Number: P709697
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-3500K-LOW
Description: 2foot, Adapt Surface Wrap with, SQR lens and LOW lumen setting, 3500K, 90CRI

Light Source: -
Ballast/Driver: -

Summary

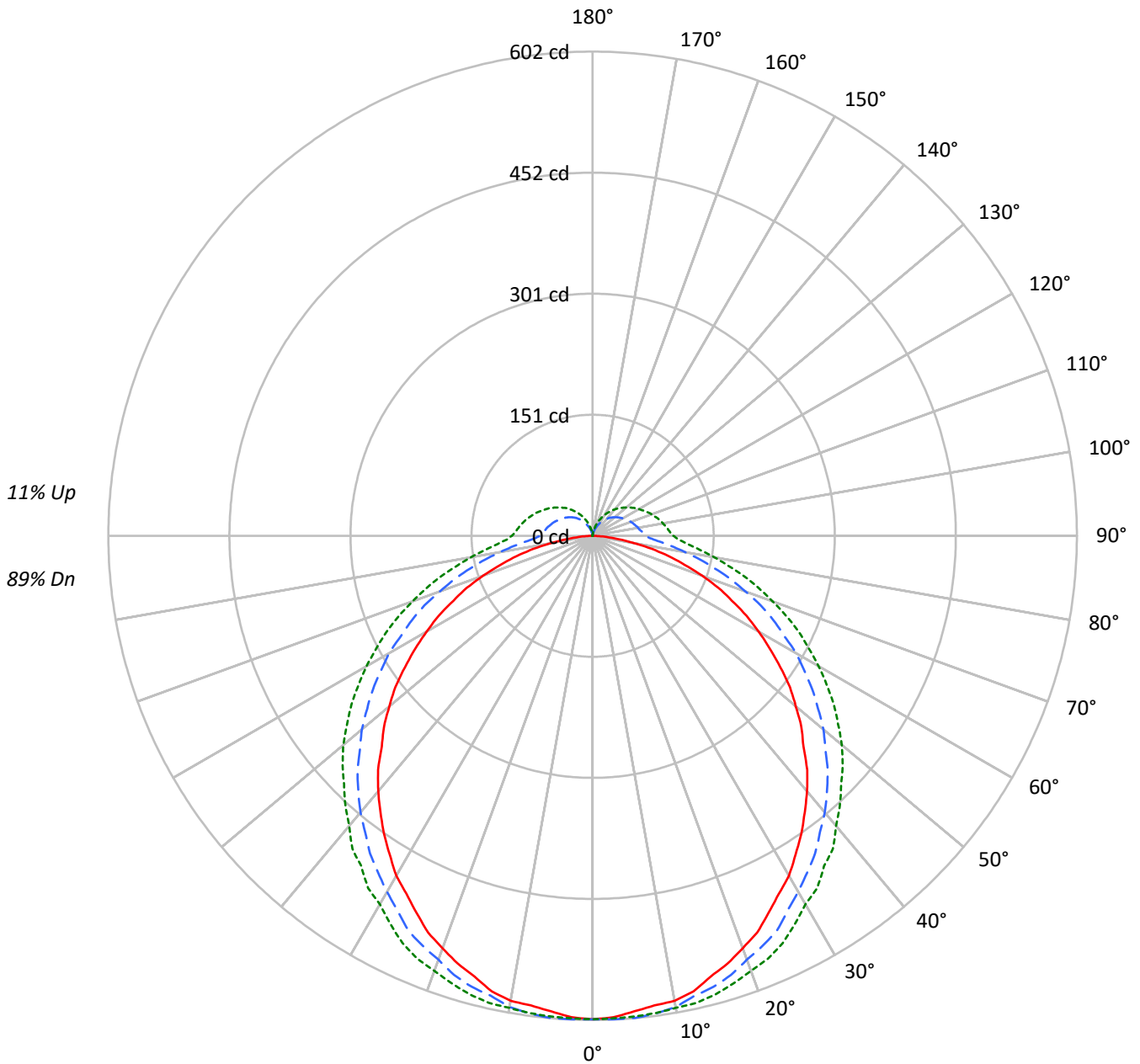
Lumens per Lamp: N/A
Luminaire Lumens: 2098.0 lumens
Efficiency: N/A
Efficacy: 123.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.31 / 1.4
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 1.71' x H: 0.12')
CIE Type: Semi-Direct

Input Watts (W): 17
Input Voltage (V): NR
Input Current (A_{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: P709697

CATALOG NUMBER: 2AWS-L3C39-SQR-UNV-3500K-LOW

Luminous Intensity Polar Plot





TEST NUMBER: P709697

CATALOG NUMBER: 2AWS-L3C39-SQR-UNV-3500K-LOW

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°	8227	8227	8227
5°	8103	8101	8057
10°	8058	7937	7919
15°	7889	7741	7816
20°	7747	7527	7655
25°	7566	7375	7525
30°	7412	7114	7265
35°	7202	6922	7084
40°	6994	6705	6900
45°	6700	6481	6707
50°	6477	6232	6567
55°	6178	5963	6363
60°	5815	5686	6117
65°	5375	5344	5876
70°	4844	4916	5540
75°	4093	4453	5237
80°	2954	3938	4872
85°	1499	3550	4684



TEST NUMBER: P709697

CATALOG NUMBER: 2AWS-L3C39-SQR-UNV-3500K-LOW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.0	2.7
10°-20°	163.6	7.8
20°-30°	248.1	11.8
30°-40°	300.2	14.3
40°-50°	316.1	15.1
50°-60°	294.4	14.0
60°-70°	240.2	11.4
70°-80°	161.9	7.7
80°-90°	87.0	4.1
90°-100°	60.3	2.9
100°-110°	51.6	2.5
110°-120°	42.1	2.0
120°-130°	32.0	1.5
130°-140°	22.2	1.1
140°-150°	13.2	0.6
150°-160°	6.2	0.3
160°-170°	1.8	0.1
170°-180°	0.2	0.0
0°-30°	468.6	22.3
0°-40°	768.9	36.6
0°-60°	1379.3	65.7
0°-90°	1868.4	89.1
90°-120°	154.1	7.3
90°-150°	221.4	10.6
90°-180°	230.0	11.0
0°-180°	2098.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	601	601	601	601	601	
5°	594	600	602	602	600	56
15°	567	574	581	586	590	160
25°	518	528	542	547	559	239
35°	452	463	482	496	502	283
45°	370	388	413	431	437	287
55°	285	305	334	355	366	255
65°	191	215	248	272	283	190
75°	98	123	158	183	196	103
85°	17	47	83	109	119	22
90°	1	30	65	91	100	1
95°	0	28	61	85	94	0
105°	0	24	54	75	84	0
115°	1	21	47	65	72	1
125°	1	17	40	55	61	1
135°	1	13	32	44	49	0
145°	1	9	23	33	36	1
155°	1	5	13	21	23	1
165°	1	3	6	9	11	0
175°	1	1	1	1	1	0
180°	1	1	1	1	1	



TEST NUMBER: P709697

CATALOG NUMBER: 2AWS-L3C39-SQR-UNV-3500K-LOW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	601.2	601.2	601.2	601.2	601.2
2.5°	599.2	599.9	601.8	603.7	600.5
5°	593.5	599.9	601.8	601.8	599.9
7.5°	589.0	594.8	599.2	598.0	598.6
10°	587.1	590.3	594.8	598.0	596.1
12.5°	580.1	582.0	585.8	590.9	594.8
15°	567.3	573.7	580.7	585.8	590.3
17.5°	557.7	563.5	572.4	576.9	583.3
20°	545.6	552.0	560.9	570.5	575.6
22.5°	534.1	539.8	552.0	558.4	569.2
25°	517.5	527.7	541.8	546.9	559.0
27.5°	501.5	513.0	525.1	539.2	544.3
30°	488.1	496.4	511.1	523.2	529.0
32.5°	469.6	481.1	496.4	511.1	519.4
35°	452.3	463.2	482.3	496.4	501.5
37.5°	433.1	445.3	464.4	481.1	490.6
40°	414.6	428.0	449.1	465.1	470.8
42.5°	394.8	408.9	431.2	449.8	454.9
45°	370.5	388.4	413.3	431.2	437.0
47.5°	352.0	368.6	392.3	413.3	421.6
50°	329.7	348.2	374.4	393.5	404.4
52.5°	309.2	326.5	353.3	371.8	384.6
55°	284.9	305.4	333.5	354.6	366.1
57.5°	261.3	282.4	311.8	333.5	345.0
60°	238.3	260.0	292.0	313.7	324.5
62.5°	215.9	238.9	267.7	293.9	302.8
65°	191.0	214.7	247.9	272.2	283.0
67.5°	169.3	190.4	226.2	248.5	260.7
70°	144.4	169.3	201.9	227.4	237.7
72.5°	120.1	146.3	180.2	206.4	216.6
75°	97.7	123.3	157.8	183.4	195.5
77.5°	75.4	101.6	136.7	162.9	173.1
80°	52.4	81.1	116.3	142.5	153.3
82.5°	33.2	62.6	99.0	123.9	134.2
85°	17.2	47.3	83.1	109.2	118.8
87.5°	5.7	35.8	71.6	97.1	106.7
90°	0.6	30.0	65.2	90.7	100.3
92.5°	0.0	28.7	63.2	87.5	96.5
95°	0.0	27.5	61.3	85.0	93.9
97.5°	0.0	26.8	58.8	82.4	91.4
100°	0.0	25.6	57.5	80.5	88.8
102.5°	0.0	24.9	55.6	77.9	86.2
105°	0.0	24.3	53.7	75.4	83.7



TEST NUMBER: P709697

CATALOG NUMBER: 2AWS-L3C39-SQR-UNV-3500K-LOW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	21.7	48.6	68.4	75.4
115°	0.6	21.1	46.6	65.2	72.2
117.5°	0.6	19.8	45.4	62.6	69.0
120°	0.6	19.2	43.4	60.7	66.4
122.5°	0.6	18.5	41.5	57.5	63.9
125°	0.6	17.2	39.6	54.9	60.7
127.5°	0.6	16.0	37.7	52.4	57.5
130°	0.6	15.3	35.8	49.2	54.9
132.5°	0.6	14.1	33.9	47.3	51.7
135°	0.6	13.4	31.9	44.1	49.2
137.5°	0.6	12.1	30.0	41.5	46.0
140°	0.6	10.9	27.5	39.0	42.8
142.5°	0.6	10.2	25.6	35.8	39.6
145°	1.3	8.9	23.0	32.6	36.4
147.5°	1.3	8.3	20.4	30.0	33.2
150°	1.3	7.0	17.9	26.8	30.0
152.5°	1.3	6.4	16.0	23.6	26.8
155°	1.3	5.1	13.4	21.1	23.0
157.5°	1.3	4.5	11.5	17.9	20.4
160°	1.3	3.8	9.6	15.3	17.2
162.5°	1.3	3.2	7.7	12.1	14.1
165°	1.3	2.6	5.7	8.9	10.9
167.5°	1.3	1.9	4.5	6.4	8.3
170°	1.3	1.9	3.2	4.5	6.4
172.5°	1.3	1.3	1.9	2.6	3.8
175°	1.3	1.3	1.3	1.3	1.3
177.5°	1.3	1.3	0.6	0.6	0.0
180°	0.6	0.6	0.6	0.6	0.6



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	23.0	52.4	72.8	80.5
110°	0.6	22.4	50.5	70.3	77.9



(END OF REPORT)