

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: P709670

Luminaire Tested: **2AWS-L3C3-SQR-UNV-3500K-LOW**

Issue Date: 9/26/2023



Test Information

Test Method: LM-79-08
Report Number: P709670
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-L3C3-SQR-UNV-3500K-LOW
Description: 2foot, Adapt Surface Wrap with, SQR lens and LOW lumen setting, 3500K, 80CRI

Light Source: -
Ballast/Driver: -

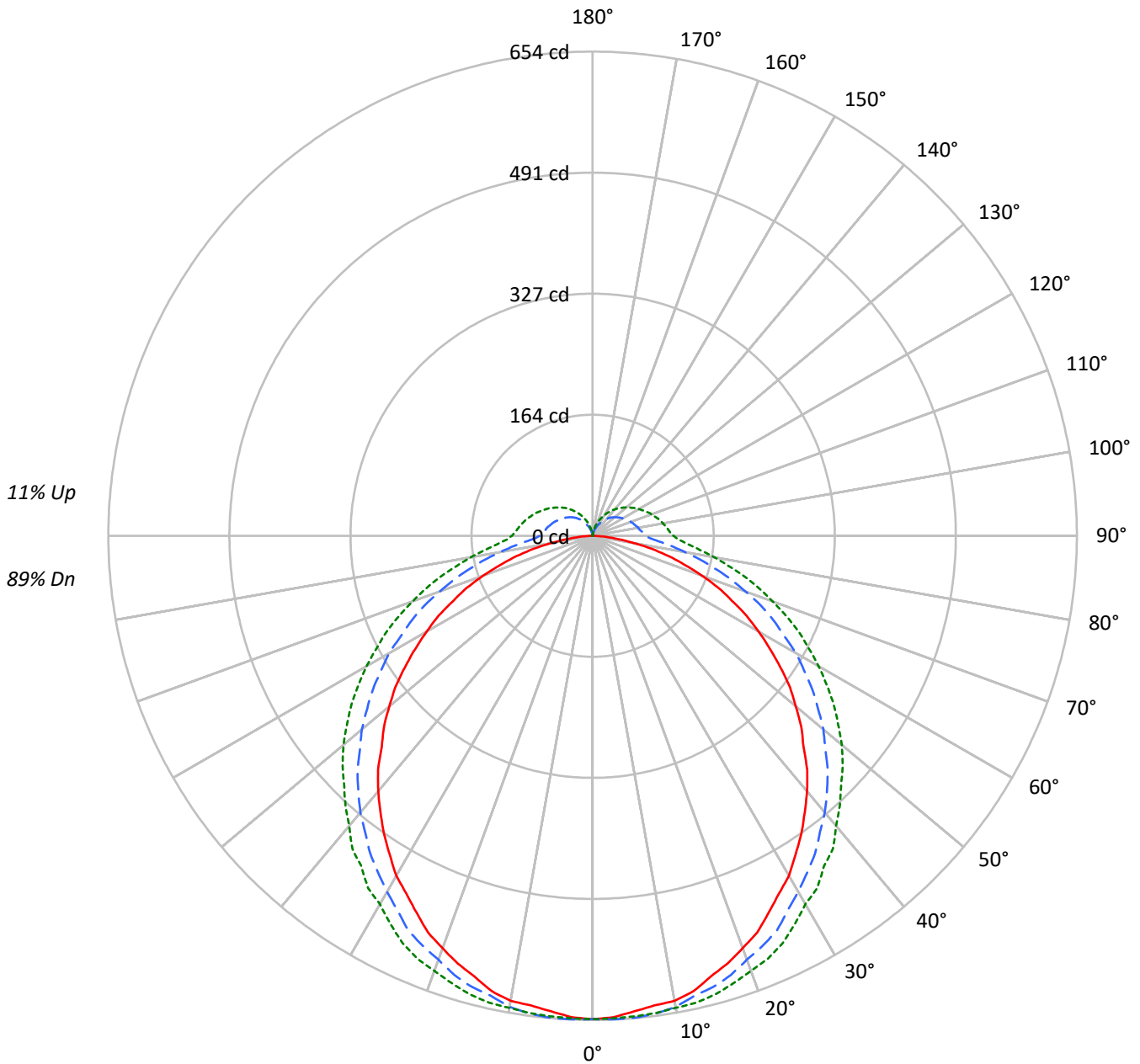
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2279.0 lumens
Efficiency: N/A
Efficacy: 126.6 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): 18
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: P709670
CATALOG NUMBER: 2AWS-L3C3-SQR-UNV-3500K-LOW

Luminous Intensity Polar Plot





TEST NUMBER: P709670

CATALOG NUMBER: 2AWS-L3C3-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°	8936	8936	8936
5°	8802	8799	8751
10°	8754	8622	8601
15°	8568	8409	8490
20°	8416	8176	8316
25°	8218	8011	8174
30°	8051	7728	7891
35°	7823	7519	7695
40°	7598	7285	7496
45°	7279	7041	7286
50°	7035	6770	7134
55°	6711	6478	6911
60°	6318	6175	6645
65°	5840	5805	6383
70°	5259	5340	6018
75°	4450	4837	5690
80°	3207	4276	5295
85°	1629	3853	5091



TEST NUMBER: P709670

CATALOG NUMBER: 2AWS-L3C3-SQR-UNV-3500K-LOW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.0	2.7
10°-20°	177.7	7.8
20°-30°	269.4	11.8
30°-40°	326.1	14.3
40°-50°	343.3	15.1
50°-60°	319.8	14.0
60°-70°	260.9	11.4
70°-80°	175.9	7.7
80°-90°	94.5	4.1
90°-100°	65.5	2.9
100°-110°	56.1	2.5
110°-120°	45.7	2.0
120°-130°	34.8	1.5
130°-140°	24.1	1.1
140°-150°	14.4	0.6
150°-160°	6.7	0.3
160°-170°	2.0	0.1
170°-180°	0.2	0.0
0°-30°	509.1	22.3
0°-40°	835.2	36.6
0°-60°	1498.3	65.7
0°-90°	2029.6	89.1
90°-120°	167.3	7.3
90°-150°	240.6	10.6
90°-180°	249.0	10.9
0°-180°	2279.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	653	653	653	653	653	
5°	645	652	654	654	652	61
15°	616	623	631	636	641	174
25°	562	573	588	594	607	259
35°	491	503	524	539	545	307
45°	402	422	449	468	475	312
55°	310	332	362	385	398	277
65°	208	233	269	296	307	206
75°	106	134	171	199	212	112
85°	19	51	90	119	129	23
90°	1	33	71	98	109	1
95°	0	30	67	92	102	0
105°	0	26	58	82	91	0
115°	1	23	51	71	78	1
125°	1	19	43	60	66	1
135°	1	15	35	48	53	1
145°	1	10	25	35	40	1
155°	1	6	15	23	25	1
165°	1	3	6	10	12	0
175°	1	1	1	1	1	0
180°	1	1	1	1	1	



TEST NUMBER: P709670

CATALOG NUMBER: 2AWS-L3C3-SQR-UNV-3500K-LOW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	653.0	653.0	653.0	653.0	653.0
2.5°	650.9	651.6	653.7	655.8	652.3
5°	644.7	651.6	653.7	653.7	651.6
7.5°	639.8	646.1	650.9	649.6	650.3
10°	637.8	641.2	646.1	649.6	647.5
12.5°	630.1	632.2	636.4	641.9	646.1
15°	616.2	623.2	630.8	636.4	641.2
17.5°	605.8	612.1	621.8	626.7	633.6
20°	592.7	599.6	609.3	619.7	625.3
22.5°	580.2	586.4	599.6	606.5	618.3
25°	562.1	573.2	588.5	594.0	607.2
27.5°	544.8	557.3	570.4	585.7	591.3
30°	530.2	539.2	555.2	568.4	574.6
32.5°	510.1	522.6	539.2	555.2	564.2
35°	491.3	503.1	523.9	539.2	544.8
37.5°	470.5	483.7	504.5	522.6	533.0
40°	450.4	465.0	487.9	505.2	511.5
42.5°	428.9	444.1	468.4	488.6	494.1
45°	402.5	421.9	449.0	468.4	474.7
47.5°	382.4	400.4	426.1	449.0	458.0
50°	358.1	378.2	406.7	427.5	439.3
52.5°	335.9	354.6	383.8	403.9	417.8
55°	309.5	331.7	362.3	385.2	397.6
57.5°	283.8	306.7	338.7	362.3	374.7
60°	258.9	282.4	317.1	340.7	352.5
62.5°	234.6	259.5	290.8	319.2	328.9
65°	207.5	233.2	269.3	295.6	307.4
67.5°	183.9	206.8	245.7	270.0	283.1
70°	156.8	183.9	219.3	247.1	258.2
72.5°	130.5	158.9	195.7	224.2	235.3
75°	106.2	133.9	171.4	199.2	212.4
77.5°	81.9	110.3	148.5	177.0	188.1
80°	56.9	88.1	126.3	154.8	166.6
82.5°	36.1	68.0	107.6	134.6	145.7
85°	18.7	51.4	90.2	118.7	129.1
87.5°	6.2	38.9	77.7	105.5	115.9
90°	0.7	32.6	70.8	98.5	109.0
92.5°	0.0	31.2	68.7	95.1	104.8
95°	0.0	29.8	66.6	92.3	102.0
97.5°	0.0	29.1	63.8	89.5	99.2
100°	0.0	27.8	62.5	87.4	96.5
102.5°	0.0	27.1	60.4	84.7	93.7
105°	0.0	26.4	58.3	81.9	90.9



TEST NUMBER: P709670

CATALOG NUMBER: 2AWS-L3C3-SQR-UNV-3500K-LOW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.7	23.6	52.7	74.3	81.9
115°	0.7	22.9	50.7	70.8	78.4
117.5°	0.7	21.5	49.3	68.0	74.9
120°	0.7	20.8	47.2	65.9	72.2
122.5°	0.7	20.1	45.1	62.5	69.4
125°	0.7	18.7	43.0	59.7	65.9
127.5°	0.7	17.3	40.9	56.9	62.5
130°	0.7	16.7	38.9	53.4	59.7
132.5°	0.7	15.3	36.8	51.4	56.2
135°	0.7	14.6	34.7	47.9	53.4
137.5°	0.7	13.2	32.6	45.1	50.0
140°	0.7	11.8	29.8	42.3	46.5
142.5°	0.7	11.1	27.8	38.9	43.0
145°	1.4	9.7	25.0	35.4	39.6
147.5°	1.4	9.0	22.2	32.6	36.1
150°	1.4	7.6	19.4	29.1	32.6
152.5°	1.4	6.9	17.3	25.7	29.1
155°	1.4	5.6	14.6	22.9	25.0
157.5°	1.4	4.9	12.5	19.4	22.2
160°	1.4	4.2	10.4	16.7	18.7
162.5°	1.4	3.5	8.3	13.2	15.3
165°	1.4	2.8	6.2	9.7	11.8
167.5°	1.4	2.1	4.9	6.9	9.0
170°	1.4	2.1	3.5	4.9	6.9
172.5°	1.4	1.4	2.1	2.8	4.2
175°	1.4	1.4	1.4	1.4	1.4
177.5°	1.4	1.4	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	25.0	56.9	79.1	87.4
110°	0.7	24.3	54.8	76.3	84.7



(END OF REPORT)