

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: P709671

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

Issue Date: 9/26/2023



Test Information

Test Method: LM-79-08
Report Number: P709671
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-MID
Description: 2foot, Adapt Surface Wrap with, SQR lens and MID lumen setting,
3500K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

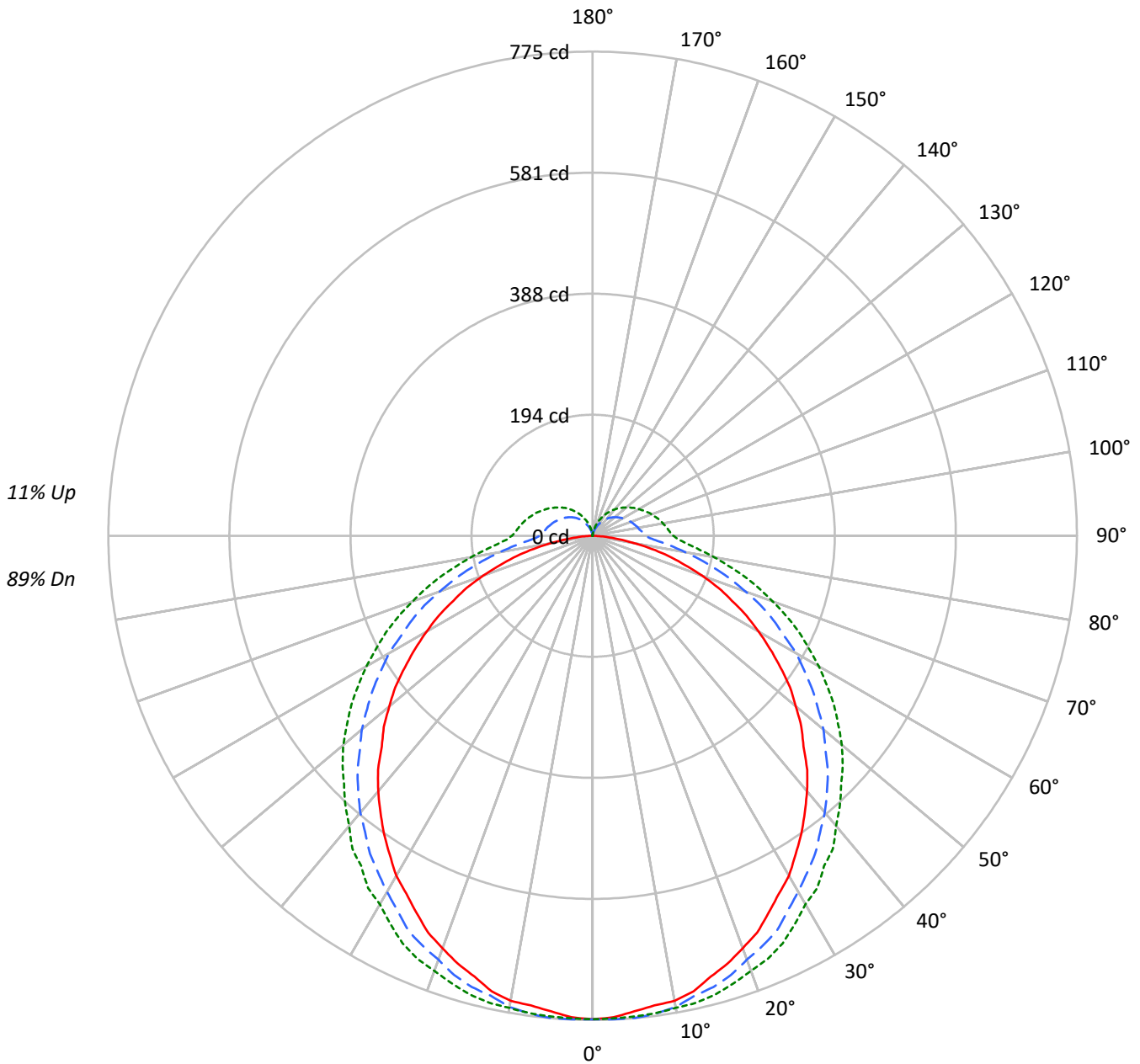
Lumens per Lamp: N/A
Luminaire Lumens: 2701.0 lumens
Efficiency: N/A
Efficacy: 122.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.31 / 1.4
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 1.71' x H: 0.12')
CIE Type: Semi-Direct

Input Watts (W): 22
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				20				20	
RC	80				70				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				89
1	105	100	95	91	101	96	92	88	90	87	83	84	82	79	79	77	75	72				72
2	95	86	79	73	91	83	77	71	78	73	68	73	69	65	69	65	62	59				59
3	86	75	67	60	83	73	65	59	68	62	56	64	59	54	60	56	52	49				49
4	79	67	57	51	76	64	56	50	61	53	48	57	51	46	54	48	44	42				42
5	72	59	50	43	69	57	49	43	54	47	41	51	45	40	48	43	38	36				36
6	67	53	44	38	64	52	43	37	49	41	36	46	40	35	43	38	34	31				31
7	62	48	39	33	59	47	38	33	44	37	32	42	35	31	40	34	30	27				27
8	57	44	35	29	55	43	35	29	40	33	28	38	32	27	36	31	27	24				24
9	54	40	32	26	52	39	31	26	37	30	25	35	29	25	34	28	24	22				22
10	50	37	29	24	48	36	29	23	34	28	23	33	27	22	31	26	22	20				20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10590	10590	10590
5°	10432	10429	10372
10°	10375	10218	10194
15°	10156	9966	10063
20°	9974	9690	9856
25°	9740	9495	9688
30°	9543	9159	9352
35°	9272	8913	9119
40°	9005	8633	8884
45°	8626	8344	8635
50°	8338	8023	8454
55°	7954	7676	8192
60°	7487	7320	7876
65°	6921	6879	7566
70°	6236	6328	7132
75°	5271	5734	6743
80°	3799	5068	6274
85°	1934	4566	6033



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.4	2.7
10°-20°	210.6	7.8
20°-30°	319.3	11.8
30°-40°	386.5	14.3
40°-50°	406.9	15.1
50°-60°	379.0	14.0
60°-70°	309.2	11.4
70°-80°	208.4	7.7
80°-90°	112.0	4.1
90°-100°	77.7	2.9
100°-110°	66.5	2.5
110°-120°	54.2	2.0
120°-130°	41.2	1.5
130°-140°	28.5	1.1
140°-150°	17.0	0.6
150°-160°	7.9	0.3
160°-170°	2.3	0.1
170°-180°	0.2	0.0
0°-30°	603.3	22.3
0°-40°	989.8	36.6
0°-60°	1775.8	65.7
0°-90°	2405.4	89.1
90°-120°	198.3	7.3
90°-150°	285.1	10.6
90°-180°	296.0	11.0
0°-180°	2701.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	774	774	774	774	774	
5°	764	772	775	775	772	73
15°	730	739	748	754	760	206
25°	666	679	698	704	720	307
35°	582	596	621	639	646	364
45°	477	500	532	555	563	370
55°	367	393	429	456	471	328
65°	246	276	319	350	364	244
75°	126	159	203	236	252	133
85°	22	61	107	141	153	28
90°	1	39	84	117	129	1
95°	0	35	79	109	121	0
105°	0	31	69	97	108	0
115°	1	27	60	84	93	1
125°	1	22	51	71	78	1
135°	1	17	41	57	63	1
145°	2	12	30	42	47	1
155°	2	7	17	27	30	1
165°	2	3	7	12	14	0
175°	2	2	2	2	2	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	773.9	773.9	773.9	773.9	773.9
2.5°	771.5	772.3	774.8	777.2	773.1
5°	764.1	772.3	774.8	774.8	772.3
7.5°	758.3	765.7	771.5	769.8	770.7
10°	755.9	760.0	765.7	769.8	767.4
12.5°	746.8	749.3	754.2	760.8	765.7
15°	730.4	738.6	747.6	754.2	760.0
17.5°	718.0	725.4	736.9	742.7	750.9
20°	702.4	710.6	722.1	734.5	741.1
22.5°	687.6	695.0	710.6	718.8	732.8
25°	666.2	679.4	697.5	704.0	719.7
27.5°	645.6	660.4	676.1	694.2	700.7
30°	628.4	639.1	658.0	673.6	681.0
32.5°	604.5	619.3	639.1	658.0	668.7
35°	582.3	596.3	621.0	639.1	645.6
37.5°	557.6	573.3	597.9	619.3	631.7
40°	533.8	551.1	578.2	598.8	606.2
42.5°	508.3	526.4	555.2	579.0	585.6
45°	477.0	500.1	532.1	555.2	562.6
47.5°	453.2	474.6	505.0	532.1	542.8
50°	424.4	448.2	482.0	506.6	520.6
52.5°	398.1	420.3	454.8	478.7	495.1
55°	366.8	393.1	429.3	456.5	471.3
57.5°	336.4	363.5	401.4	429.3	444.1
60°	306.8	334.7	375.9	403.8	417.8
62.5°	278.0	307.6	344.6	378.3	389.9
65°	245.9	276.4	319.1	350.4	364.4
67.5°	218.0	245.1	291.2	319.9	335.6
70°	185.9	218.0	259.9	292.8	306.0
72.5°	154.6	188.3	231.9	265.7	278.8
75°	125.8	158.7	203.2	236.1	251.7
77.5°	97.1	130.8	176.0	209.7	222.9
80°	67.4	104.5	149.7	183.4	197.4
82.5°	42.8	80.6	127.5	159.6	172.7
85°	22.2	60.9	106.9	140.6	153.0
87.5°	7.4	46.1	92.1	125.0	137.4
90°	0.8	38.7	83.9	116.8	129.1
92.5°	0.0	37.0	81.4	112.7	124.2
95°	0.0	35.4	79.0	109.4	120.9
97.5°	0.0	34.5	75.7	106.1	117.6
100°	0.0	32.9	74.0	103.6	114.3
102.5°	0.0	32.1	71.6	100.3	111.0
105°	0.0	31.3	69.1	97.1	107.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.8	28.0	62.5	88.0	97.1
115°	0.8	27.1	60.0	83.9	92.9
117.5°	0.8	25.5	58.4	80.6	88.8
120°	0.8	24.7	55.9	78.1	85.5
122.5°	0.8	23.9	53.5	74.0	82.2
125°	0.8	22.2	51.0	70.7	78.1
127.5°	0.8	20.6	48.5	67.4	74.0
130°	0.8	19.7	46.1	63.3	70.7
132.5°	0.8	18.1	43.6	60.9	66.6
135°	0.8	17.3	41.1	56.8	63.3
137.5°	0.8	15.6	38.7	53.5	59.2
140°	0.8	14.0	35.4	50.2	55.1
142.5°	0.8	13.2	32.9	46.1	51.0
145°	1.6	11.5	29.6	41.9	46.9
147.5°	1.6	10.7	26.3	38.7	42.8
150°	1.6	9.0	23.0	34.5	38.7
152.5°	1.6	8.2	20.6	30.4	34.5
155°	1.6	6.6	17.3	27.1	29.6
157.5°	1.6	5.8	14.8	23.0	26.3
160°	1.6	4.9	12.3	19.7	22.2
162.5°	1.6	4.1	9.9	15.6	18.1
165°	1.6	3.3	7.4	11.5	14.0
167.5°	1.6	2.5	5.8	8.2	10.7
170°	1.6	2.5	4.1	5.8	8.2
172.5°	1.6	1.6	2.5	3.3	4.9
175°	1.6	1.6	1.6	1.6	1.6
177.5°	1.6	1.6	0.8	0.8	0.0
180°	0.8	0.8	0.8	0.8	0.8



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	29.6	67.4	93.8	103.6
110°	0.8	28.8	65.0	90.5	100.3



(END OF REPORT)