

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: P709704

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

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709704
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-MID
Description: 2foot, Adapt Surface Wrap with, SQR lens and MID lumen setting,
5000K, 90CRI

Light Source: -
Ballast/Driver: -

Summary

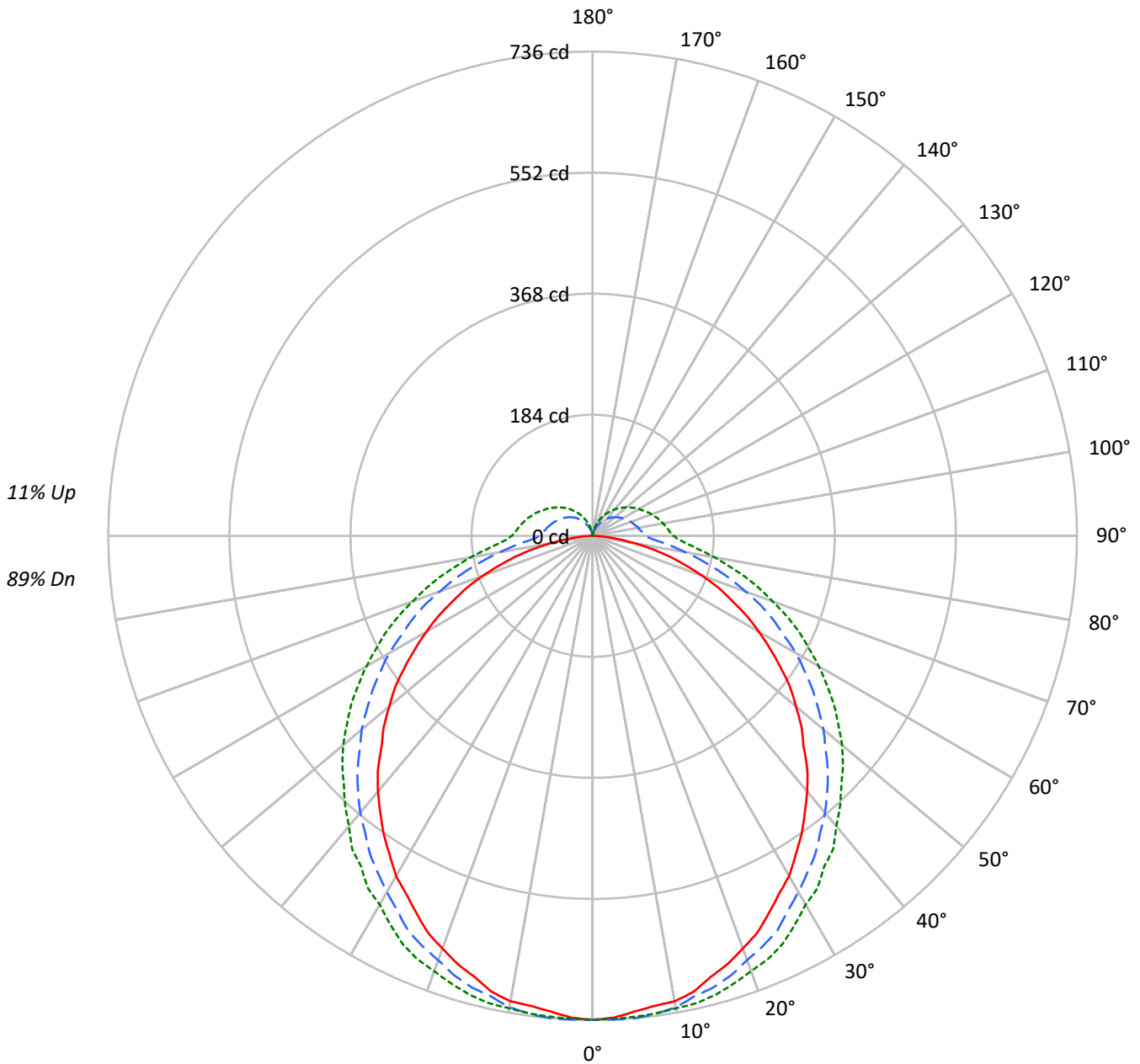
Lumens per Lamp: N/A
Luminaire Lumens: 2567.0 lumens
Efficiency: N/A
Efficacy: 122.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.31 / 1.4
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 1.71' x H: 0.12')
CIE Type: Semi-Direct

Input Watts (W): 21
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									
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°	10066	10066	10066
5°	9914	9911	9858
10°	9860	9711	9688
15°	9652	9471	9564
20°	9478	9209	9367
25°	9258	9024	9207
30°	9069	8704	8888
35°	8812	8471	8667
40°	8558	8204	8443
45°	8199	7930	8207
50°	7923	7625	8035
55°	7559	7295	7785
60°	7116	6956	7486
65°	6577	6538	7190
70°	5927	6014	6777
75°	5011	5449	6408
80°	3613	4818	5962
85°	1838	4340	5733



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.8	2.7
10°-20°	200.1	7.8
20°-30°	303.5	11.8
30°-40°	367.3	14.3
40°-50°	386.7	15.1
50°-60°	360.2	14.0
60°-70°	293.8	11.4
70°-80°	198.1	7.7
80°-90°	106.5	4.1
90°-100°	73.8	2.9
100°-110°	63.2	2.5
110°-120°	51.5	2.0
120°-130°	39.2	1.5
130°-140°	27.1	1.1
140°-150°	16.2	0.6
150°-160°	7.5	0.3
160°-170°	2.2	0.1
170°-180°	0.2	0.0
0°-30°	573.4	22.3
0°-40°	940.7	36.6
0°-60°	1687.7	65.7
0°-90°	2286.0	89.1
90°-120°	188.5	7.3
90°-150°	271.0	10.6
90°-180°	281.0	10.9
0°-180°	2567.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	736	736	736	736	736	
5°	726	734	736	736	734	69
15°	694	702	710	717	722	196
25°	633	646	663	669	684	292
35°	553	567	590	607	614	346
45°	453	475	506	528	535	352
55°	349	374	408	434	448	312
65°	234	263	303	333	346	232
75°	120	151	193	224	239	126
85°	21	58	102	134	145	26
90°	1	37	80	111	123	1
95°	0	34	75	104	115	0
105°	0	30	66	92	102	0
115°	1	26	57	80	88	1
125°	1	21	48	67	74	1
135°	1	16	39	54	60	1
145°	2	11	28	40	45	1
155°	2	6	16	26	28	1
165°	2	3	7	11	13	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°	735.6	735.6	735.6	735.6	735.6
2.5°	733.2	734.0	736.3	738.7	734.8
5°	726.2	734.0	736.3	736.3	734.0
7.5°	720.7	727.7	733.2	731.6	732.4
10°	718.4	722.3	727.7	731.6	729.3
12.5°	709.8	712.1	716.8	723.0	727.7
15°	694.1	701.9	710.5	716.8	722.3
17.5°	682.4	689.4	700.4	705.8	713.7
20°	667.5	675.4	686.3	698.0	704.3
22.5°	653.5	660.5	675.4	683.2	696.5
25°	633.2	645.7	662.9	669.1	684.0
27.5°	613.6	627.7	642.5	659.7	666.0
30°	597.2	607.4	625.3	640.2	647.2
32.5°	574.5	588.6	607.4	625.3	635.5
35°	553.4	566.7	590.2	607.4	613.6
37.5°	530.0	544.8	568.3	588.6	600.3
40°	507.3	523.7	549.5	569.1	576.1
42.5°	483.1	500.3	527.6	550.3	556.6
45°	453.4	475.3	505.7	527.6	534.7
47.5°	430.7	451.0	479.9	505.7	515.9
50°	403.3	426.0	458.1	481.5	494.8
52.5°	378.3	399.4	432.3	454.9	470.6
55°	348.6	373.6	408.0	433.8	447.9
57.5°	319.7	345.5	381.5	408.0	422.1
60°	291.6	318.1	357.2	383.8	397.1
62.5°	264.2	292.3	327.5	359.6	370.5
65°	233.7	262.6	303.3	333.0	346.3
67.5°	207.1	232.9	276.7	304.1	318.9
70°	176.7	207.1	247.0	278.3	290.8
72.5°	147.0	179.0	220.4	252.5	265.0
75°	119.6	150.9	193.1	224.3	239.2
77.5°	92.2	124.3	167.3	199.3	211.8
80°	64.1	99.3	142.3	174.3	187.6
82.5°	40.6	76.6	121.2	151.6	164.2
85°	21.1	57.8	101.6	133.7	145.4
87.5°	7.0	43.8	87.5	118.8	130.5
90°	0.8	36.7	79.7	111.0	122.7
92.5°	0.0	35.2	77.4	107.1	118.0
95°	0.0	33.6	75.0	104.0	114.9
97.5°	0.0	32.8	71.9	100.8	111.8
100°	0.0	31.3	70.4	98.5	108.7
102.5°	0.0	30.5	68.0	95.4	105.5
105°	0.0	29.7	65.7	92.2	102.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.8	26.6	59.4	83.6	92.2
115°	0.8	25.8	57.1	79.7	88.3
117.5°	0.8	24.2	55.5	76.6	84.4
120°	0.8	23.5	53.2	74.3	81.3
122.5°	0.8	22.7	50.8	70.4	78.2
125°	0.8	21.1	48.5	67.2	74.3
127.5°	0.8	19.5	46.1	64.1	70.4
130°	0.8	18.8	43.8	60.2	67.2
132.5°	0.8	17.2	41.4	57.8	63.3
135°	0.8	16.4	39.1	53.9	60.2
137.5°	0.8	14.9	36.7	50.8	56.3
140°	0.8	13.3	33.6	47.7	52.4
142.5°	0.8	12.5	31.3	43.8	48.5
145°	1.6	10.9	28.1	39.9	44.6
147.5°	1.6	10.2	25.0	36.7	40.6
150°	1.6	8.6	21.9	32.8	36.7
152.5°	1.6	7.8	19.5	28.9	32.8
155°	1.6	6.3	16.4	25.8	28.1
157.5°	1.6	5.5	14.1	21.9	25.0
160°	1.6	4.7	11.7	18.8	21.1
162.5°	1.6	3.9	9.4	14.9	17.2
165°	1.6	3.1	7.0	10.9	13.3
167.5°	1.6	2.3	5.5	7.8	10.2
170°	1.6	2.3	3.9	5.5	7.8
172.5°	1.6	1.6	2.3	3.1	4.7
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	28.1	64.1	89.1	98.5
110°	0.8	27.4	61.8	86.0	95.4



(END OF REPORT)