

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: P709701

Luminaire Tested: **2AWS-L3C39-SQR-UNV-4000K-MID**

Issue Date: 9/26/2023



Test Information

Test Method: LM-79-08
Report Number: P709701
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-4000K-MID
Description: 2foot, Adapt Surface Wrap with, SQR lens and MID lumen setting,
4000K, 90CRI

Light Source: -
Ballast/Driver: -

Summary

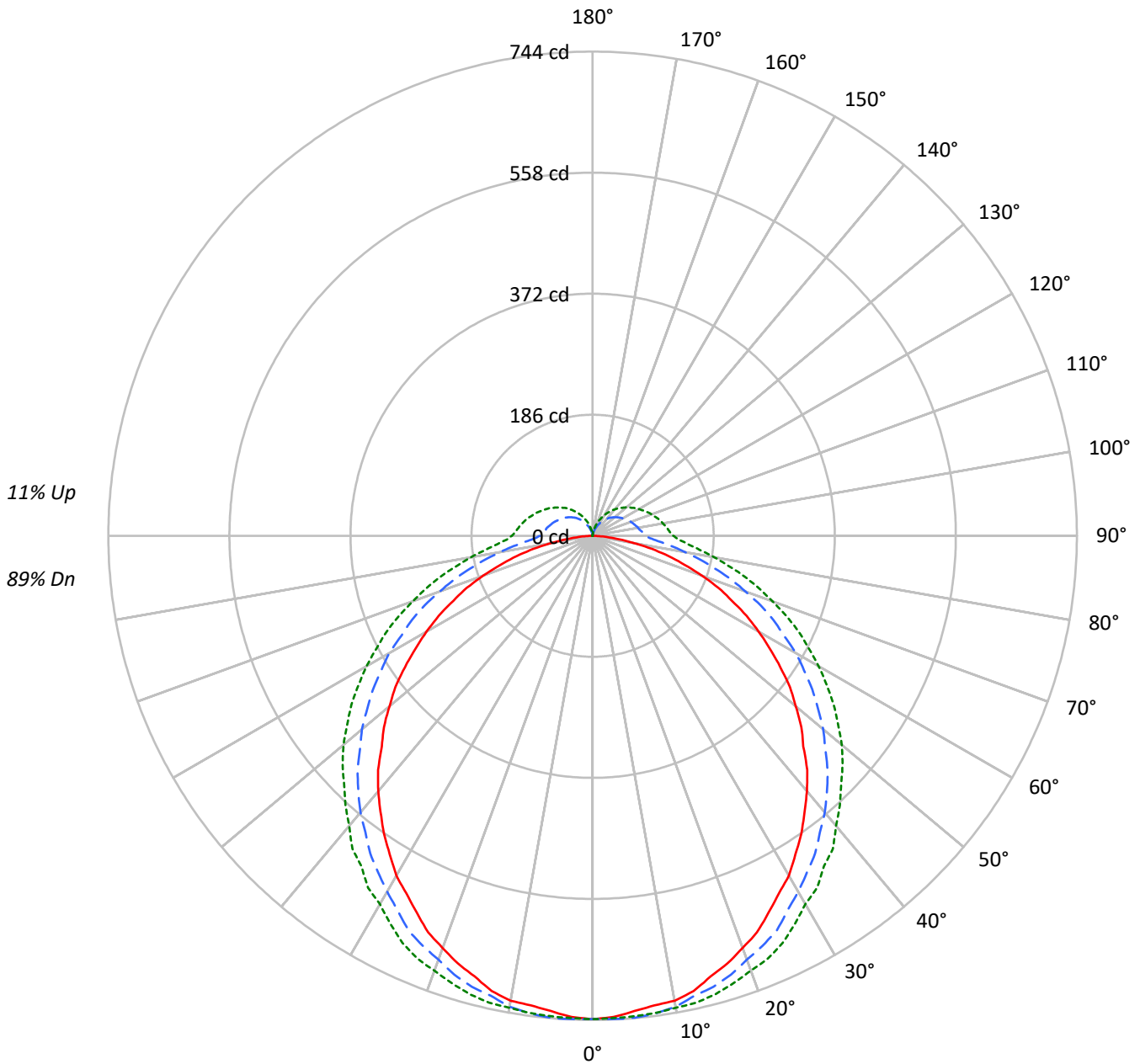
Lumens per Lamp: N/A
Luminaire Lumens: 2592.0 lumens
Efficiency: N/A
Efficacy: 123.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.31 / 1.4
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 1.71' x H: 0.12')
CIE Type: Semi-Direct

Input Watts (W): 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°	10163	10163	10163
5°	10010	10008	9953
10°	9956	9805	9782
15°	9746	9565	9657
20°	9571	9299	9457
25°	9347	9111	9296
30°	9157	8789	8974
35°	8898	8553	8752
40°	8641	8285	8525
45°	8279	8009	8287
50°	8002	7698	8113
55°	7633	7367	7862
60°	7184	7024	7559
65°	6642	6601	7261
70°	5984	6073	6843
75°	5061	5503	6470
80°	3647	4862	6020
85°	1856	4383	5789



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.5	2.7
10°-20°	202.1	7.8
20°-30°	306.4	11.8
30°-40°	370.9	14.3
40°-50°	390.5	15.1
50°-60°	363.7	14.0
60°-70°	296.7	11.4
70°-80°	200.0	7.7
80°-90°	107.5	4.1
90°-100°	74.5	2.9
100°-110°	63.8	2.5
110°-120°	52.0	2.0
120°-130°	39.6	1.5
130°-140°	27.4	1.1
140°-150°	16.3	0.6
150°-160°	7.6	0.3
160°-170°	2.2	0.1
170°-180°	0.2	0.0
0°-30°	579.0	22.3
0°-40°	949.9	36.6
0°-60°	1704.1	65.7
0°-90°	2308.3	89.1
90°-120°	190.3	7.3
90°-150°	273.6	10.6
90°-180°	284.0	11.0
0°-180°	2592.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	743	743	743	743	743	
5°	733	741	744	744	741	70
15°	701	709	718	724	729	198
25°	639	652	669	676	691	295
35°	559	572	596	613	620	349
45°	458	480	511	533	540	355
55°	352	377	412	438	452	315
65°	236	265	306	336	350	235
75°	121	152	195	226	242	128
85°	21	58	103	135	147	27
90°	1	37	80	112	124	1
95°	0	34	76	105	116	0
105°	0	30	66	93	103	0
115°	1	26	58	80	89	1
125°	1	21	49	68	75	1
135°	1	17	40	54	61	1
145°	2	11	28	40	45	1
155°	2	6	17	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°	742.7	742.7	742.7	742.7	742.7
2.5°	740.3	741.1	743.5	745.9	741.9
5°	733.2	741.1	743.5	743.5	741.1
7.5°	727.7	734.8	740.3	738.8	739.6
10°	725.4	729.3	734.8	738.8	736.4
12.5°	716.7	719.0	723.8	730.1	734.8
15°	700.9	708.8	717.5	723.8	729.3
17.5°	689.0	696.1	707.2	712.7	720.6
20°	674.0	681.9	693.0	704.8	711.1
22.5°	659.8	666.9	681.9	689.8	703.3
25°	639.3	651.9	669.3	675.6	690.6
27.5°	619.6	633.8	648.8	666.2	672.5
30°	603.0	613.3	631.4	646.4	653.5
32.5°	580.1	594.3	613.3	631.4	641.7
35°	558.8	572.2	595.9	613.3	619.6
37.5°	535.1	550.1	573.8	594.3	606.2
40°	512.2	528.8	554.9	574.6	581.7
42.5°	487.8	505.1	532.8	555.7	562.0
45°	457.8	479.9	510.7	532.8	539.9
47.5°	434.9	455.4	484.6	510.7	520.9
50°	407.3	430.2	462.5	486.2	499.6
52.5°	382.0	403.3	436.5	459.4	475.1
55°	352.0	377.3	412.0	438.1	452.3
57.5°	322.8	348.9	385.2	412.0	426.2
60°	294.4	321.2	360.7	387.5	401.0
62.5°	266.8	295.2	330.7	363.1	374.1
65°	236.0	265.2	306.2	336.2	349.7
67.5°	209.2	235.2	279.4	307.0	322.0
70°	178.4	209.2	249.4	281.0	293.6
72.5°	148.4	180.7	222.6	254.9	267.6
75°	120.8	152.3	195.0	226.5	241.5
77.5°	93.1	125.5	168.9	201.3	213.9
80°	64.7	100.2	143.6	176.0	189.4
82.5°	41.0	77.3	122.3	153.1	165.7
85°	21.3	58.4	102.6	135.0	146.8
87.5°	7.1	44.2	88.4	120.0	131.8
90°	0.8	37.1	80.5	112.1	123.9
92.5°	0.0	35.5	78.1	108.1	119.2
95°	0.0	33.9	75.8	105.0	116.0
97.5°	0.0	33.1	72.6	101.8	112.9
100°	0.0	31.6	71.0	99.4	109.7
102.5°	0.0	30.8	68.7	96.3	106.6
105°	0.0	30.0	66.3	93.1	103.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.8	26.8	60.0	84.5	93.1
115°	0.8	26.0	57.6	80.5	89.2
117.5°	0.8	24.5	56.0	77.3	85.2
120°	0.8	23.7	53.7	75.0	82.1
122.5°	0.8	22.9	51.3	71.0	78.9
125°	0.8	21.3	48.9	67.9	75.0
127.5°	0.8	19.7	46.6	64.7	71.0
130°	0.8	18.9	44.2	60.8	67.9
132.5°	0.8	17.4	41.8	58.4	63.9
135°	0.8	16.6	39.5	54.5	60.8
137.5°	0.8	15.0	37.1	51.3	56.8
140°	0.8	13.4	33.9	48.1	52.9
142.5°	0.8	12.6	31.6	44.2	48.9
145°	1.6	11.0	28.4	40.3	45.0
147.5°	1.6	10.3	25.3	37.1	41.0
150°	1.6	8.7	22.1	33.1	37.1
152.5°	1.6	7.9	19.7	29.2	33.1
155°	1.6	6.3	16.6	26.0	28.4
157.5°	1.6	5.5	14.2	22.1	25.3
160°	1.6	4.7	11.8	18.9	21.3
162.5°	1.6	3.9	9.5	15.0	17.4
165°	1.6	3.2	7.1	11.0	13.4
167.5°	1.6	2.4	5.5	7.9	10.3
170°	1.6	2.4	3.9	5.5	7.9
172.5°	1.6	1.6	2.4	3.2	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	28.4	64.7	90.0	99.4
110°	0.8	27.6	62.4	86.8	96.3



(END OF REPORT)