

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: P709692

Luminaire Tested: **2AWS-L3C39-CA-UNV-3500K-MID**

Issue Date: 9/26/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P709692  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2307-090-6)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/26/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 2AWS-L3C39-CA-UNV-3500K-MID  
Description: 2foot, Adapt Surface Wrap with, RD lens and MID lumen setting,  
3500K, 90CRI  
  
Light Source: -  
Ballast/Driver: -

**Summary**

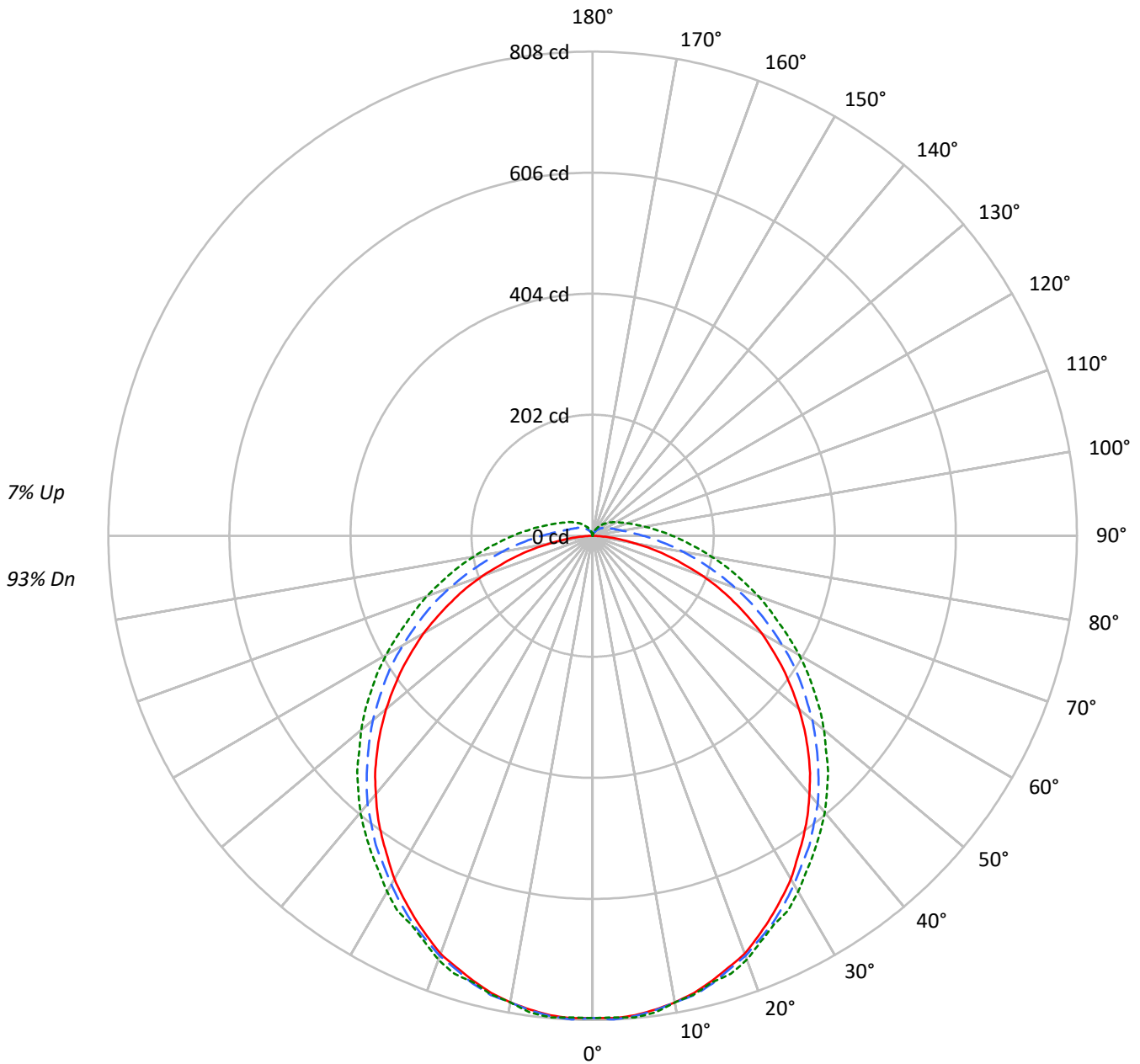
Lumens per Lamp: N/A  
Luminaire Lumens: 2606.0 lumens  
Efficiency: N/A  
Efficacy: 124.1 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 1.71' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 21  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93																			
1	106	101	96	92	102	98	93	89	92	89	85	87	84	81	82	80	78	75																			
2	96	87	80	74	93	85	78	72	80	74	70	76	71	67	71	68	64	62																			
3	87	76	68	61	84	74	66	60	70	63	58	66	61	56	63	58	54	52																			
4	80	67	58	51	77	65	57	51	62	55	49	59	53	48	56	51	46	44																			
5	73	60	51	44	71	58	50	43	56	48	42	53	46	41	50	45	40	38																			
6	68	54	45	38	65	53	44	38	50	43	37	48	41	36	46	40	35	33																			
7	63	49	40	34	60	48	39	33	46	38	33	43	37	32	42	36	31	29																			
8	58	45	36	30	56	44	35	30	42	34	29	40	33	29	38	32	28	26																			
9	54	41	33	27	53	40	32	27	38	31	26	37	30	26	35	29	25	23																			
10	51	38	30	24	49	37	29	24	35	29	24	34	28	23	33	27	23	21																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	11010	11010	11010
5°	10968	10830	10837
10°	10853	10551	10504
15°	10690	10310	10210
20°	10540	10008	10011
25°	10280	9696	9636
30°	10047	9354	9418
35°	9764	9049	9101
40°	9489	8725	8834
45°	9192	8333	8528
50°	8831	7963	8180
55°	8422	7563	7834
60°	7960	7115	7497
65°	7298	6659	7107
70°	6534	6146	6850
75°	5459	5627	6577
80°	3963	5190	6411
85°	2108	4874	6455



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	76.3	2.9
10°-20°	217.8	8.4
20°-30°	327.7	12.6
30°-40°	393.5	15.1
40°-50°	409.8	15.7
50°-60°	376.5	14.4
60°-70°	302.4	11.6
70°-80°	206.2	7.9
80°-90°	117.2	4.5
90°-100°	65.6	2.5
100°-110°	41.5	1.6
110°-120°	28.3	1.1
120°-130°	19.5	0.7
130°-140°	12.4	0.5
140°-150°	6.9	0.3
150°-160°	3.1	0.1
160°-170°	1.0	0.0
170°-180°	0.1	0.0
0°-30°	621.8	23.9
0°-40°	1015.4	39.0
0°-60°	1801.7	69.1
0°-90°	2427.5	93.1
90°-120°	135.5	5.2
90°-150°	174.3	6.7
90°-180°	179.0	6.9
0°-180°	2606.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	805	805	805	805	805	
5°	803	805	805	806	807	76
15°	769	768	773	776	771	217
25°	703	703	712	719	716	324
35°	613	617	630	640	644	384
45°	508	514	531	548	556	392
55°	388	400	423	443	451	347
65°	259	279	309	332	342	257
75°	130	158	199	233	246	138
85°	24	62	114	151	164	30
90°	1	37	84	119	133	1
95°	0	23	63	96	107	0
105°	0	15	40	63	73	0
115°	0	12	30	46	52	0
125°	1	8	23	35	39	1
135°	1	7	17	25	29	1
145°	1	5	12	17	18	1
155°	1	4	7	10	12	1
165°	1	2	4	5	6	0
175°	1	1	1	1	1	0
180°	1	1	1	1	1	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	804.6	804.6	804.6	804.6	804.6
2.5°	805.7	804.6	808.0	806.9	804.6
5°	803.4	804.6	804.6	805.7	806.9
7.5°	797.6	795.3	798.8	802.2	802.2
10°	790.7	788.4	790.7	793.0	790.7
12.5°	781.5	776.9	785.0	785.0	783.8
15°	768.8	767.7	773.4	775.7	771.1
17.5°	755.0	758.4	758.4	763.1	766.5
20°	742.3	740.0	745.8	749.2	752.7
22.5°	722.7	721.6	728.5	734.2	733.1
25°	703.1	703.1	712.3	719.3	715.8
27.5°	682.4	682.4	692.7	699.7	705.4
30°	661.6	663.9	672.0	681.2	685.8
32.5°	636.3	642.0	650.1	662.8	663.9
35°	613.2	616.7	630.5	639.7	644.3
37.5°	589.0	590.2	606.3	619.0	623.6
40°	562.5	564.8	584.4	595.9	602.8
42.5°	537.1	539.4	557.9	572.9	578.6
45°	508.3	514.1	531.4	547.5	555.6
47.5°	479.5	487.6	504.9	523.3	527.9
50°	449.5	457.6	478.4	493.3	503.7
52.5°	418.4	428.8	449.5	469.1	478.4
55°	388.4	400.0	423.0	442.6	450.7
57.5°	356.2	370.0	395.4	416.1	425.3
60°	326.2	337.7	365.4	387.3	397.7
62.5°	291.6	306.6	336.6	360.8	370.0
65°	259.3	278.9	308.9	332.0	342.3
67.5°	228.2	247.8	281.2	305.5	318.1
70°	194.8	216.7	252.4	280.1	293.9
72.5°	160.2	185.6	225.9	257.0	268.6
75°	130.3	157.9	199.4	232.8	245.5
77.5°	100.3	129.1	175.2	209.8	223.6
80°	70.3	102.6	153.3	189.0	201.7
82.5°	46.1	81.8	132.6	168.3	182.1
85°	24.2	62.2	114.1	151.0	163.7
87.5°	8.1	47.3	98.0	134.9	147.5
90°	1.2	36.9	84.1	118.7	132.6
92.5°	0.0	28.8	72.6	107.2	119.9
95°	0.0	23.1	63.4	95.7	107.2
97.5°	0.0	19.6	56.5	85.3	98.0
100°	0.0	17.3	49.6	77.2	87.6
102.5°	0.0	16.1	45.0	69.2	79.5
105°	0.0	15.0	40.3	63.4	72.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	11.5	32.3	49.6	56.5
115°	0.0	11.5	30.0	46.1	51.9
117.5°	0.0	10.4	28.8	42.6	48.4
120°	0.0	9.2	26.5	40.3	46.1
122.5°	0.0	9.2	24.2	38.0	42.6
125°	1.2	8.1	23.1	34.6	39.2
127.5°	1.2	8.1	21.9	32.3	36.9
130°	1.2	6.9	19.6	30.0	33.4
132.5°	1.2	6.9	18.4	27.7	31.1
135°	1.2	6.9	17.3	25.4	28.8
137.5°	1.2	5.8	15.0	23.1	26.5
140°	1.2	5.8	13.8	20.7	24.2
142.5°	1.2	5.8	12.7	18.4	21.9
145°	1.2	4.6	11.5	17.3	18.4
147.5°	1.2	4.6	10.4	15.0	17.3
150°	1.2	3.5	9.2	12.7	15.0
152.5°	1.2	3.5	8.1	11.5	12.7
155°	1.2	3.5	6.9	10.4	11.5
157.5°	1.2	3.5	5.8	9.2	9.2
160°	1.2	2.3	4.6	6.9	8.1
162.5°	1.2	2.3	4.6	5.8	6.9
165°	1.2	2.3	3.5	4.6	5.8
167.5°	1.2	1.2	2.3	3.5	4.6
170°	1.2	1.2	2.3	2.3	3.5
172.5°	1.2	1.2	1.2	1.2	2.3
175°	1.2	1.2	1.2	1.2	1.2
177.5°	1.2	1.2	1.2	0.0	0.0
180°	1.2	1.2	1.2	1.2	1.2



Report Generated By 670246072 / DESKTOP-MV3F9LC







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







107.5°	0.0	13.8	38.0	57.6	66.9
110°	0.0	12.7	34.6	53.0	61.1



(END OF REPORT)