

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: P709694

Luminaire Tested: **2AWS-L3C39-CA-UNV-4000K-LOW**

Issue Date: 9/26/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P709694  
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-4000K-LOW  
Description: 2foot, Adapt Surface Wrap with, RD lens and LOW lumen setting,  
4000K, 90CRI  
  
Light Source: -  
Ballast/Driver: -

**Summary**

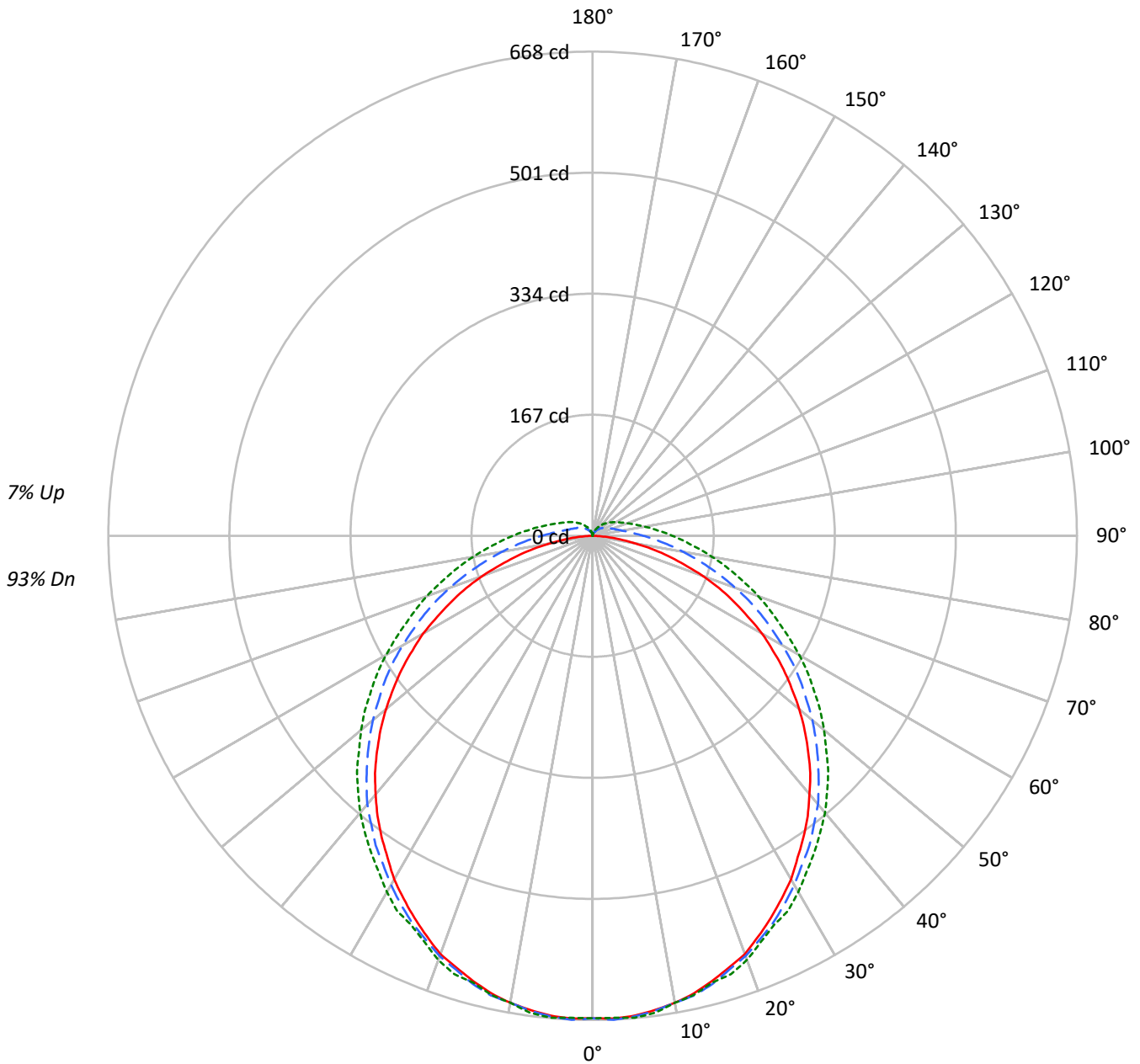
Lumens per Lamp: N/A  
Luminaire Lumens: 2156.0 lumens  
Efficiency: N/A  
Efficacy: 126.8 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 1.71' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 17  
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°	9108	9108	9108
5°	9075	8959	8964
10°	8979	8730	8690
15°	8845	8530	8448
20°	8720	8280	8282
25°	8505	8022	7972
30°	8313	7739	7792
35°	8078	7486	7530
40°	7851	7219	7309
45°	7604	6894	7054
50°	7306	6588	6767
55°	6969	6258	6482
60°	6586	5887	6202
65°	6040	5510	5880
70°	5407	5084	5668
75°	4517	4656	5441
80°	3281	4293	5305
85°	1742	4032	5339



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	63.2	2.9
10°-20°	180.2	8.4
20°-30°	271.1	12.6
30°-40°	325.6	15.1
40°-50°	339.0	15.7
50°-60°	311.5	14.4
60°-70°	250.2	11.6
70°-80°	170.6	7.9
80°-90°	97.0	4.5
90°-100°	54.3	2.5
100°-110°	34.4	1.6
110°-120°	23.4	1.1
120°-130°	16.1	0.7
130°-140°	10.3	0.5
140°-150°	5.7	0.3
150°-160°	2.6	0.1
160°-170°	0.8	0.0
170°-180°	0.1	0.0
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0°-30°	514.5	23.9
0°-40°	840.1	39.0
0°-60°	1490.6	69.1
0°-90°	2008.3	93.1
90°-120°	112.1	5.2
90°-150°	144.2	6.7
90°-180°	148.0	6.9
0°-180°	2156.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	666	666	666	666	666	
5°	665	666	666	667	668	63
15°	636	635	640	642	638	180
25°	582	582	589	595	592	268
35°	507	510	522	529	533	317
45°	420	425	440	453	460	324
55°	321	331	350	366	373	287
65°	215	231	256	275	283	213
75°	108	131	165	193	203	114
85°	20	52	94	125	135	25
90°	1	30	70	98	110	1
95°	0	19	52	79	89	0
105°	0	12	33	52	60	0
115°	0	10	25	38	43	0
125°	1	7	19	29	32	1
135°	1	6	14	21	24	1
145°	1	4	10	14	15	1
155°	1	3	6	9	10	0
165°	1	2	3	4	5	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°	665.6	665.6	665.6	665.6	665.6
2.5°	666.6	665.6	668.5	667.5	665.6
5°	664.7	665.6	665.6	666.6	667.5
7.5°	659.9	658.0	660.9	663.7	663.7
10°	654.2	652.3	654.2	656.1	654.2
12.5°	646.6	642.7	649.4	649.4	648.5
15°	636.1	635.1	639.9	641.8	638.0
17.5°	624.6	627.5	627.5	631.3	634.2
20°	614.1	612.2	617.0	619.9	622.7
22.5°	597.9	597.0	602.7	607.5	606.5
25°	581.7	581.7	589.3	595.1	592.2
27.5°	564.5	564.5	573.1	578.8	583.6
30°	547.4	549.3	556.0	563.6	567.4
32.5°	526.4	531.2	537.8	548.3	549.3
35°	507.3	510.2	521.6	529.3	533.1
37.5°	487.3	488.3	501.6	512.1	515.9
40°	465.4	467.3	483.5	493.0	498.7
42.5°	444.4	446.3	461.6	473.9	478.7
45°	420.5	425.3	439.6	453.0	459.6
47.5°	396.7	403.4	417.7	432.9	436.8
50°	371.9	378.6	395.8	408.1	416.7
52.5°	346.2	354.7	371.9	388.1	395.8
55°	321.4	330.9	350.0	366.2	372.9
57.5°	294.7	306.1	327.1	344.3	351.9
60°	269.9	279.4	302.3	320.4	329.0
62.5°	241.3	253.7	278.5	298.5	306.1
65°	214.6	230.8	255.6	274.6	283.2
67.5°	188.8	205.0	232.7	252.7	263.2
70°	161.2	179.3	208.8	231.7	243.2
72.5°	132.6	153.5	186.9	212.7	222.2
75°	107.8	130.6	165.0	192.6	203.1
77.5°	83.0	106.8	144.9	173.6	185.0
80°	58.2	84.9	126.8	156.4	166.9
82.5°	38.1	67.7	109.7	139.2	150.7
85°	20.0	51.5	94.4	124.9	135.4
87.5°	6.7	39.1	81.1	111.6	122.1
90°	1.0	30.5	69.6	98.2	109.7
92.5°	0.0	23.8	60.1	88.7	99.2
95°	0.0	19.1	52.4	79.2	88.7
97.5°	0.0	16.2	46.7	70.6	81.1
100°	0.0	14.3	41.0	63.9	72.5
102.5°	0.0	13.4	37.2	57.2	65.8
105°	0.0	12.4	33.4	52.4	60.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	9.5	26.7	41.0	46.7
115°	0.0	9.5	24.8	38.1	42.9
117.5°	0.0	8.6	23.8	35.3	40.1
120°	0.0	7.6	21.9	33.4	38.1
122.5°	0.0	7.6	20.0	31.5	35.3
125°	1.0	6.7	19.1	28.6	32.4
127.5°	1.0	6.7	18.1	26.7	30.5
130°	1.0	5.7	16.2	24.8	27.7
132.5°	1.0	5.7	15.3	22.9	25.7
135°	1.0	5.7	14.3	21.0	23.8
137.5°	1.0	4.8	12.4	19.1	21.9
140°	1.0	4.8	11.4	17.2	20.0
142.5°	1.0	4.8	10.5	15.3	18.1
145°	1.0	3.8	9.5	14.3	15.3
147.5°	1.0	3.8	8.6	12.4	14.3
150°	1.0	2.9	7.6	10.5	12.4
152.5°	1.0	2.9	6.7	9.5	10.5
155°	1.0	2.9	5.7	8.6	9.5
157.5°	1.0	2.9	4.8	7.6	7.6
160°	1.0	1.9	3.8	5.7	6.7
162.5°	1.0	1.9	3.8	4.8	5.7
165°	1.0	1.9	2.9	3.8	4.8
167.5°	1.0	1.0	1.9	2.9	3.8
170°	1.0	1.0	1.9	1.9	2.9
172.5°	1.0	1.0	1.0	1.0	1.9
175°	1.0	1.0	1.0	1.0	1.0
177.5°	1.0	1.0	1.0	0.0	0.0
180°	1.0	1.0	1.0	1.0	1.0



Report Generated By 670246072 / DESKTOP-MV3F9LC







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







107.5°	0.0	11.4	31.5	47.7	55.3
110°	0.0	10.5	28.6	43.9	50.5



(END OF REPORT)