

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: P709712

Luminaire Tested: **2AWS-L3C39-UNV-5000K-LOW**

Issue Date: 9/26/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P709712  
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-UNV-5000K-LOW  
Description: 2foot, Adapt Surface Wrap with, RD lens and LOW lumen setting,  
5000K, 90CRI  
  
Light Source: -  
Ballast/Driver: -

**Summary**

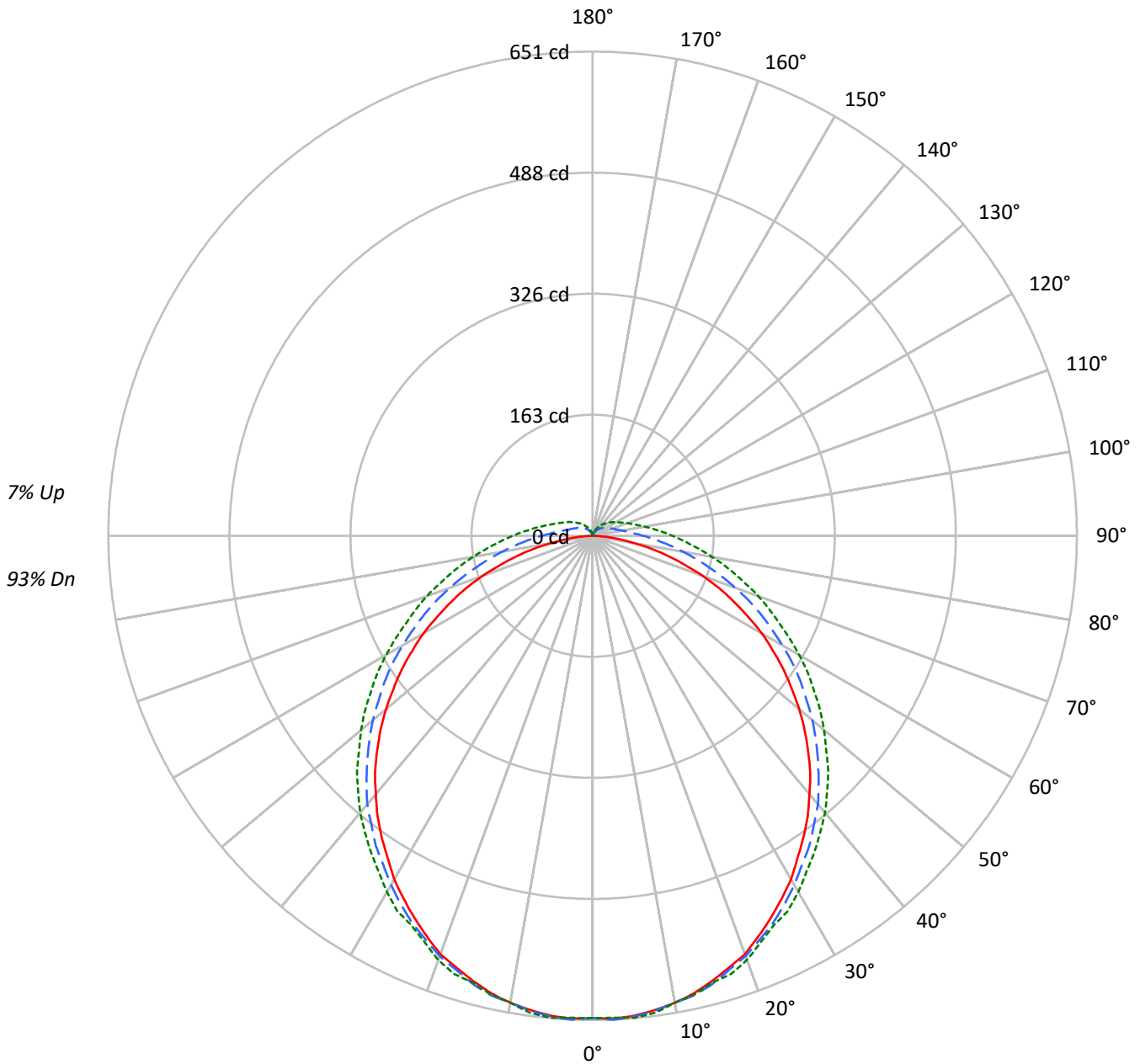
Lumens per Lamp: N/A  
Luminaire Lumens: 2101.0 lumens  
Efficiency: N/A  
Efficacy: 123.6 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 1.71' x H: 0.12')  
CIE Type: Direct

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

TEST NUMBER: P709712

CATALOG NUMBER: 2AWS-L3C39-UNV-5000K-LOW

### Luminous Intensity Polar Plot





TEST NUMBER: P709712

CATALOG NUMBER: 2AWS-L3C39-UNV-5000K-LOW

**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°	8876	8876	8876
5°	8843	8731	8736
10°	8750	8507	8469
15°	8619	8313	8232
20°	8498	8069	8070
25°	8288	7818	7768
30°	8100	7542	7593
35°	7872	7295	7338
40°	7651	7035	7122
45°	7411	6718	6875
50°	7120	6420	6595
55°	6792	6097	6317
60°	6418	5737	6044
65°	5885	5370	5731
70°	5270	4955	5523
75°	4399	4538	5302
80°	3196	4185	5168
85°	1699	3930	5205



TEST NUMBER: P709712

CATALOG NUMBER: 2AWS-L3C39-UNV-5000K-LOW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	61.5	2.9
10°-20°	175.6	8.4
20°-30°	264.2	12.6
30°-40°	317.3	15.1
40°-50°	330.4	15.7
50°-60°	303.6	14.4
60°-70°	243.8	11.6
70°-80°	166.2	7.9
80°-90°	94.5	4.5
90°-100°	52.9	2.5
100°-110°	33.5	1.6
110°-120°	22.9	1.1
120°-130°	15.7	0.7
130°-140°	10.0	0.5
140°-150°	5.6	0.3
150°-160°	2.5	0.1
160°-170°	0.8	0.0
170°-180°	0.1	0.0
0°-30°	501.3	23.9
0°-40°	818.6	39.0
0°-60°	1452.6	69.1
0°-90°	1957.1	93.2
90°-120°	109.2	5.2
90°-150°	140.5	6.7
90°-180°	144.0	6.9
0°-180°	2101.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	649	649	649	649	649	
5°	648	649	649	650	650	61
15°	620	619	624	625	622	175
25°	567	567	574	580	577	261
35°	494	497	508	516	520	309
45°	410	414	428	441	448	316
55°	313	322	341	357	363	280
65°	209	225	249	268	276	207
75°	105	127	161	188	198	111
85°	20	50	92	122	132	24
90°	1	30	68	96	107	1
95°	0	19	51	77	86	0
105°	0	12	32	51	58	0
115°	0	9	24	37	42	0
125°	1	6	19	28	32	0
135°	1	6	14	20	23	1
145°	1	4	9	14	15	1
155°	1	3	6	8	9	0
165°	1	2	3	4	5	0
175°	1	1	1	1	1	0
180°	1	1	1	1	1	



TEST NUMBER: P709712

CATALOG NUMBER: 2AWS-L3C39-UNV-5000K-LOW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	648.6	648.6	648.6	648.6	648.6
2.5°	649.6	648.6	651.4	650.5	648.6
5°	647.7	648.6	648.6	649.6	650.5
7.5°	643.1	641.2	644.0	646.8	646.8
10°	637.5	635.6	637.5	639.4	637.5
12.5°	630.1	626.3	632.8	632.8	631.9
15°	619.8	618.9	623.6	625.4	621.7
17.5°	608.7	611.5	611.5	615.2	618.0
20°	598.5	596.6	601.3	604.0	606.8
22.5°	582.7	581.7	587.3	592.0	591.0
25°	566.9	566.9	574.3	579.9	577.1
27.5°	550.1	550.1	558.5	564.1	568.7
30°	533.4	535.3	541.8	549.2	552.9
32.5°	513.0	517.6	524.1	534.3	535.3
35°	494.4	497.2	508.3	515.8	519.5
37.5°	474.9	475.8	488.8	499.0	502.7
40°	453.5	455.4	471.2	480.4	486.0
42.5°	433.0	434.9	449.8	461.9	466.5
45°	409.8	414.5	428.4	441.4	447.9
47.5°	386.6	393.1	407.0	421.9	425.6
50°	362.4	368.9	385.7	397.7	406.1
52.5°	337.3	345.7	362.4	378.2	385.7
55°	313.2	322.5	341.0	356.8	363.4
57.5°	287.2	298.3	318.7	335.5	342.9
60°	263.0	272.3	294.6	312.2	320.6
62.5°	235.1	247.2	271.4	290.9	298.3
65°	209.1	224.9	249.1	267.6	276.0
67.5°	184.0	199.8	226.7	246.3	256.5
70°	157.1	174.7	203.5	225.8	237.0
72.5°	129.2	149.6	182.1	207.2	216.5
75°	105.0	127.3	160.8	187.7	197.9
77.5°	80.8	104.1	141.3	169.1	180.3
80°	56.7	82.7	123.6	152.4	162.6
82.5°	37.2	66.0	106.9	135.7	146.8
85°	19.5	50.2	92.0	121.7	132.0
87.5°	6.5	38.1	79.0	108.7	118.9
90°	0.9	29.7	67.8	95.7	106.9
92.5°	0.0	23.2	58.5	86.4	96.6
95°	0.0	18.6	51.1	77.1	86.4
97.5°	0.0	15.8	45.5	68.8	79.0
100°	0.0	13.9	40.0	62.3	70.6
102.5°	0.0	13.0	36.2	55.8	64.1
105°	0.0	12.1	32.5	51.1	58.5



TEST NUMBER: P709712

CATALOG NUMBER: 2AWS-L3C39-UNV-5000K-LOW

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	9.3	26.0	40.0	45.5
115°	0.0	9.3	24.2	37.2	41.8
117.5°	0.0	8.4	23.2	34.4	39.0
120°	0.0	7.4	21.4	32.5	37.2
122.5°	0.0	7.4	19.5	30.7	34.4
125°	0.9	6.5	18.6	27.9	31.6
127.5°	0.9	6.5	17.7	26.0	29.7
130°	0.9	5.6	15.8	24.2	26.9
132.5°	0.9	5.6	14.9	22.3	25.1
135°	0.9	5.6	13.9	20.4	23.2
137.5°	0.9	4.6	12.1	18.6	21.4
140°	0.9	4.6	11.2	16.7	19.5
142.5°	0.9	4.6	10.2	14.9	17.7
145°	0.9	3.7	9.3	13.9	14.9
147.5°	0.9	3.7	8.4	12.1	13.9
150°	0.9	2.8	7.4	10.2	12.1
152.5°	0.9	2.8	6.5	9.3	10.2
155°	0.9	2.8	5.6	8.4	9.3
157.5°	0.9	2.8	4.6	7.4	7.4
160°	0.9	1.9	3.7	5.6	6.5
162.5°	0.9	1.9	3.7	4.6	5.6
165°	0.9	1.9	2.8	3.7	4.6
167.5°	0.9	0.9	1.9	2.8	3.7
170°	0.9	0.9	1.9	1.9	2.8
172.5°	0.9	0.9	0.9	0.9	1.9
175°	0.9	0.9	0.9	0.9	0.9
177.5°	0.9	0.9	0.9	0.0	0.0
180°	0.9	0.9	0.9	0.9	0.9



Report Generated By 670246072 / DESKTOP-MV3F9LC







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







107.5°	0.0	11.2	30.7	46.5	53.9
110°	0.0	10.2	27.9	42.7	49.3



(END OF REPORT)