

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: P709690

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

Issue Date: 9/26/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P709690  
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-HI  
Description: 2foot, Adapt Surface Wrap with, RD lens and HI lumen setting,  
3500K, 90CRI  
  
Light Source: -  
Ballast/Driver: -

**Summary**

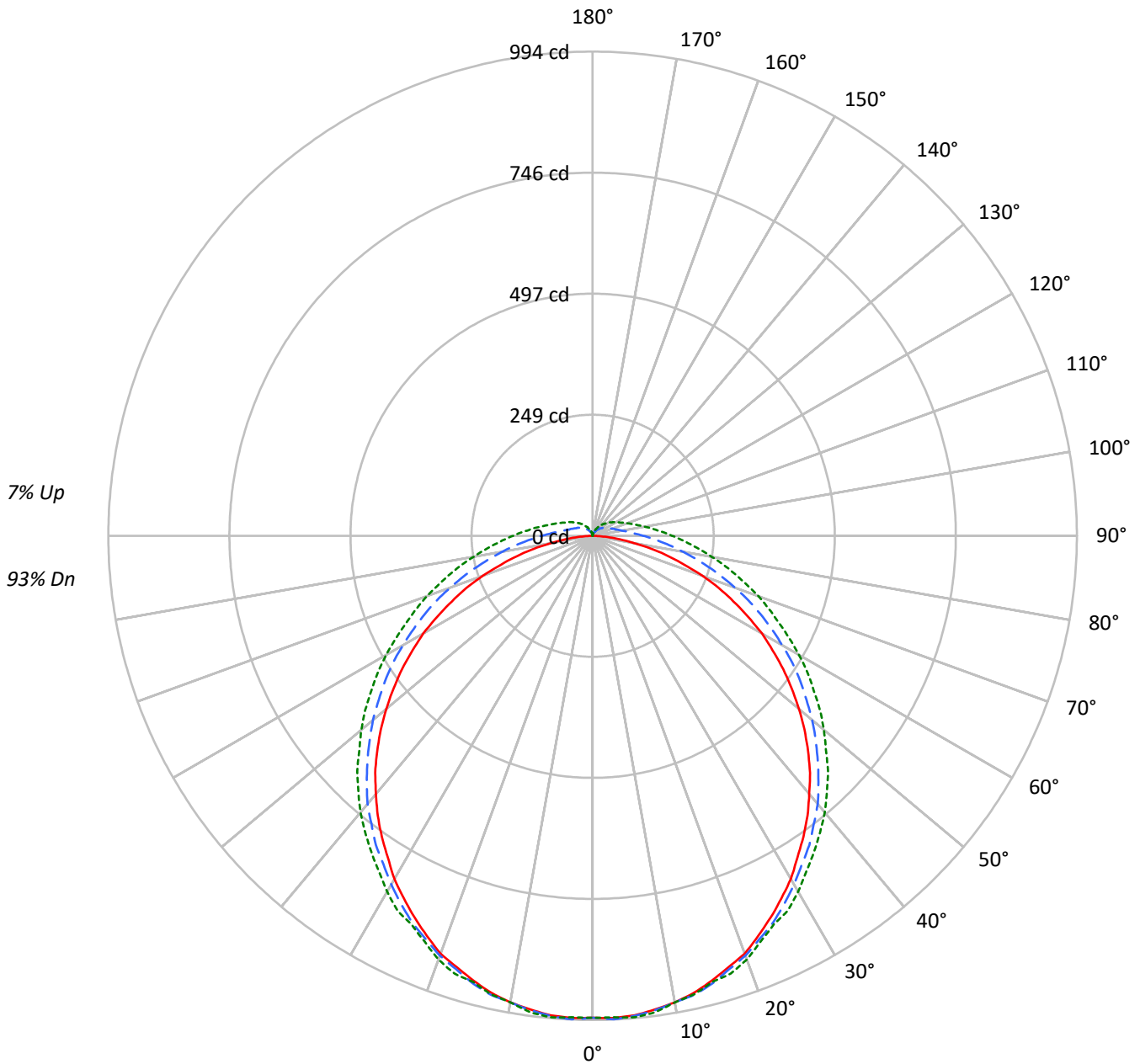
Lumens per Lamp: N/A  
Luminaire Lumens: 3205.0 lumens  
Efficiency: N/A  
Efficacy: 128.2 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 1.71' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 25  
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: P709690

CATALOG NUMBER: 2AWS-L3C39-CA-UNV-3500K-HI

### 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°	13540	13540	13540
5°	13490	13319	13326
10°	13348	12977	12919
15°	13148	12680	12558
20°	12963	12308	12311
25°	12642	11926	11850
30°	12357	11505	11584
35°	12009	11129	11193
40°	11671	10731	10865
45°	11306	10248	10488
50°	10862	9792	10061
55°	10359	9303	9635
60°	9790	8751	9220
65°	8978	8190	8741
70°	8037	7561	8425
75°	6712	6919	8088
80°	4876	6382	7885
85°	2596	5993	7938



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	93.9	2.9
10°-20°	267.9	8.4
20°-30°	403.0	12.6
30°-40°	484.0	15.1
40°-50°	504.0	15.7
50°-60°	463.1	14.4
60°-70°	371.9	11.6
70°-80°	253.6	7.9
80°-90°	144.1	4.5
90°-100°	80.7	2.5
100°-110°	51.1	1.6
110°-120°	34.9	1.1
120°-130°	23.9	0.7
130°-140°	15.2	0.5
140°-150°	8.5	0.3
150°-160°	3.9	0.1
160°-170°	1.2	0.0
170°-180°	0.2	0.0
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0°-30°	764.8	23.9
0°-40°	1248.8	39.0
0°-60°	2215.8	69.1
0°-90°	2985.5	93.1
90°-120°	166.7	5.2
90°-150°	214.3	6.7
90°-180°	220.0	6.9
0°-180°	3205.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	990	990	990	990	990	
5°	988	990	990	991	992	94
15°	946	944	951	954	948	267
25°	865	865	876	885	880	399
35°	754	758	775	787	792	472
45°	625	632	654	673	683	482
55°	478	492	520	544	554	426
65°	319	343	380	408	421	316
75°	160	194	245	286	302	170
85°	30	77	140	186	201	37
90°	1	45	104	146	163	2
95°	0	28	78	118	132	0
105°	0	18	50	78	89	0
115°	0	14	37	57	64	0
125°	1	10	28	42	48	1
135°	1	8	21	31	35	1
145°	1	6	14	21	23	1
155°	1	4	8	13	14	1
165°	1	3	4	6	7	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°	989.5	989.5	989.5	989.5	989.5
2.5°	990.9	989.5	993.7	992.3	989.5
5°	988.1	989.5	989.5	990.9	992.3
7.5°	981.0	978.1	982.4	986.6	986.6
10°	972.5	969.6	972.5	975.3	972.5
12.5°	961.1	955.5	965.4	965.4	964.0
15°	945.5	944.1	951.2	954.0	948.4
17.5°	928.5	932.8	932.8	938.5	942.7
20°	912.9	910.1	917.2	921.4	925.7
22.5°	888.8	887.4	895.9	903.0	901.6
25°	864.7	864.7	876.1	884.6	880.3
27.5°	839.2	839.2	852.0	860.5	867.6
30°	813.7	816.5	826.5	837.8	843.5
32.5°	782.5	789.6	799.5	815.1	816.5
35°	754.2	758.4	775.4	786.8	792.4
37.5°	724.4	725.8	745.7	761.3	766.9
40°	691.8	694.6	718.7	732.9	741.4
42.5°	660.6	663.4	686.1	704.5	711.6
45°	625.2	632.2	653.5	673.4	683.3
47.5°	589.7	599.6	620.9	643.6	649.3
50°	552.9	562.8	588.3	606.7	619.5
52.5°	514.6	527.3	552.9	577.0	588.3
55°	477.7	491.9	520.3	544.4	554.3
57.5°	438.0	455.0	486.2	511.8	523.1
60°	401.2	415.4	449.4	476.3	489.1
62.5°	358.7	377.1	413.9	443.7	455.0
65°	319.0	343.1	379.9	408.3	421.0
67.5°	280.7	304.8	345.9	375.7	391.3
70°	239.6	266.5	310.5	344.5	361.5
72.5°	197.0	228.2	277.8	316.1	330.3
75°	160.2	194.2	245.2	286.4	301.9
77.5°	123.3	158.8	215.5	258.0	275.0
80°	86.5	126.2	188.5	232.5	248.1
82.5°	56.7	100.6	163.0	207.0	224.0
85°	29.8	76.6	140.3	185.7	201.3
87.5°	9.9	58.1	120.5	165.9	181.5
90°	1.4	45.4	103.5	146.0	163.0
92.5°	0.0	35.4	89.3	131.8	147.4
95°	0.0	28.4	78.0	117.7	131.8
97.5°	0.0	24.1	69.5	104.9	120.5
100°	0.0	21.3	61.0	95.0	107.7
102.5°	0.0	19.8	55.3	85.1	97.8
105°	0.0	18.4	49.6	78.0	89.3



TEST NUMBER: P709690

CATALOG NUMBER: 2AWS-L3C39-CA-UNV-3500K-HI

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	14.2	39.7	61.0	69.5
115°	0.0	14.2	36.9	56.7	63.8
117.5°	0.0	12.8	35.4	52.5	59.5
120°	0.0	11.3	32.6	49.6	56.7
122.5°	0.0	11.3	29.8	46.8	52.5
125°	1.4	9.9	28.4	42.5	48.2
127.5°	1.4	9.9	26.9	39.7	45.4
130°	1.4	8.5	24.1	36.9	41.1
132.5°	1.4	8.5	22.7	34.0	38.3
135°	1.4	8.5	21.3	31.2	35.4
137.5°	1.4	7.1	18.4	28.4	32.6
140°	1.4	7.1	17.0	25.5	29.8
142.5°	1.4	7.1	15.6	22.7	26.9
145°	1.4	5.7	14.2	21.3	22.7
147.5°	1.4	5.7	12.8	18.4	21.3
150°	1.4	4.3	11.3	15.6	18.4
152.5°	1.4	4.3	9.9	14.2	15.6
155°	1.4	4.3	8.5	12.8	14.2
157.5°	1.4	4.3	7.1	11.3	11.3
160°	1.4	2.8	5.7	8.5	9.9
162.5°	1.4	2.8	5.7	7.1	8.5
165°	1.4	2.8	4.3	5.7	7.1
167.5°	1.4	1.4	2.8	4.3	5.7
170°	1.4	1.4	2.8	2.8	4.3
172.5°	1.4	1.4	1.4	1.4	2.8
175°	1.4	1.4	1.4	1.4	1.4
177.5°	1.4	1.4	1.4	0.0	0.0
180°	1.4	1.4	1.4	1.4	1.4



Report Generated By 670246072 / DESKTOP-MV3F9LC







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







107.5°	0.0	17.0	46.8	70.9	82.2
110°	0.0	15.6	42.5	65.2	75.1



(END OF REPORT)