

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: P709803

Luminaire Tested: **8AWS-L3C39-CA-UNV-4000K-MID**

Issue Date: 9/26/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P709803  
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: 8AWS-L3C39-CA-UNV-4000K-MID  
Description: 8foot, Adapt Surface Wrap with, RD lens and MID lumen setting,  
4000K, 90CRI  
  
Light Source: -  
Ballast/Driver: -

**Summary**

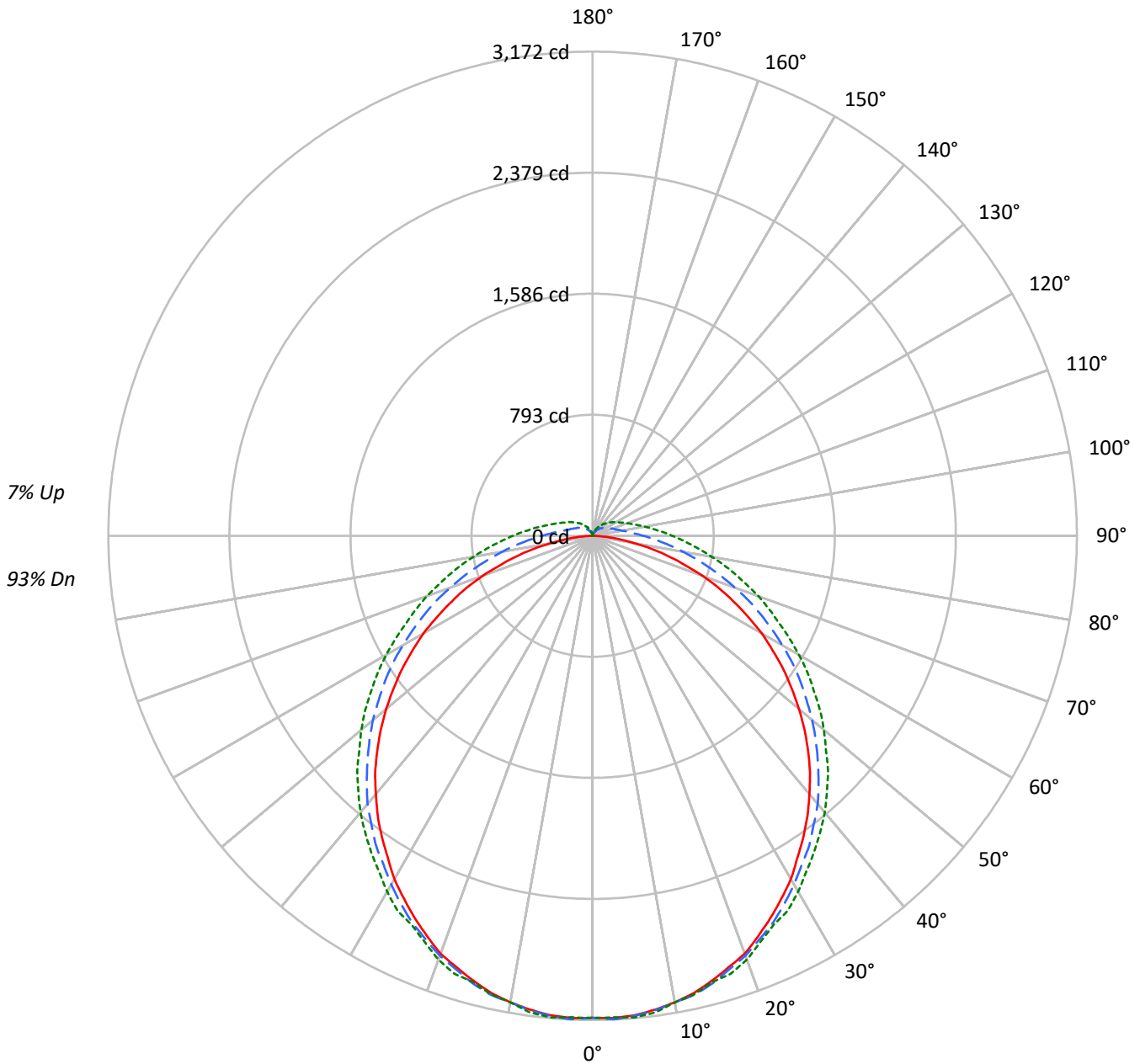
Lumens per Lamp: N/A  
Luminaire Lumens: 10228.9 lumens  
Efficiency: N/A  
Efficacy: 140.1 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 7.42' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 73  
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°	9959	9959	9959
5°	9969	9829	9802
10°	9911	9607	9502
15°	9810	9417	9236
20°	9721	9170	9055
25°	9532	8915	8716
30°	9369	8629	8520
35°	9163	8378	8233
40°	8968	8110	7992
45°	8757	7778	7714
50°	8493	7468	7400
55°	8194	7133	7086
60°	7856	6754	6781
65°	7342	6371	6430
70°	6750	5939	6197
75°	5875	5509	5950
80°	4591	5176	5800
85°	2901	5003	5839



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	299.7	2.9
10°-20°	854.9	8.4
20°-30°	1286.3	12.6
30°-40°	1544.7	15.1
40°-50°	1608.5	15.7
50°-60°	1478.0	14.4
60°-70°	1187.0	11.6
70°-80°	809.3	7.9
80°-90°	460.0	4.5
90°-100°	257.6	2.5
100°-110°	163.0	1.6
110°-120°	111.3	1.1
120°-130°	76.4	0.7
130°-140°	48.6	0.5
140°-150°	27.1	0.3
150°-160°	12.3	0.1
160°-170°	3.9	0.0
170°-180°	0.5	0.0
0°-30°	2440.8	23.9
0°-40°	3985.5	39.0
0°-60°	7072.0	69.1
0°-90°	9528.3	93.1
90°-120°	531.9	5.2
90°-150°	684.0	6.7
90°-180°	701.0	6.9
0°-180°	10228.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3158	3158	3158	3158	3158	
5°	3154	3158	3158	3162	3167	299
15°	3018	3013	3036	3045	3027	852
25°	2760	2760	2796	2823	2810	1272
35°	2407	2420	2475	2511	2529	1506
45°	1995	2018	2086	2149	2181	1539
55°	1525	1570	1660	1737	1769	1361
65°	1018	1095	1212	1303	1344	1010
75°	511	620	783	914	964	541
85°	95	244	448	593	642	117
90°	4	145	330	466	520	6
95°	0	90	249	376	421	0
105°	0	59	158	249	285	0
115°	0	45	118	181	204	0
125°	4	32	90	136	154	2
135°	4	27	68	100	113	3
145°	4	18	45	68	72	3
155°	4	14	27	41	45	2
165°	4	9	14	18	23	1
175°	4	4	4	4	4	0
180°	4	4	4	4	4	



TEST NUMBER: P709803

CATALOG NUMBER: 8AWS-L3C39-CA-UNV-4000K-MID

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3158.0	3158.0	3158.0	3158.0	3158.0
2.5°	3162.5	3158.0	3171.6	3167.1	3158.0
5°	3153.5	3158.0	3158.0	3162.5	3167.1
7.5°	3130.9	3121.8	3135.4	3149.0	3149.0
10°	3103.7	3094.7	3103.7	3112.8	3103.7
12.5°	3067.5	3049.4	3081.1	3081.1	3076.6
15°	3017.8	3013.2	3035.9	3044.9	3026.8
17.5°	2963.5	2977.0	2977.0	2995.1	3008.7
20°	2913.7	2904.7	2927.3	2940.8	2954.4
22.5°	2836.8	2832.3	2859.4	2882.0	2877.5
25°	2759.9	2759.9	2796.1	2823.2	2809.6
27.5°	2678.4	2678.4	2719.2	2746.3	2768.9
30°	2597.0	2606.0	2637.7	2673.9	2692.0
32.5°	2497.5	2520.1	2551.7	2601.5	2606.0
35°	2407.0	2420.5	2474.8	2511.0	2529.1
37.5°	2312.0	2316.5	2379.8	2429.6	2447.7
40°	2207.9	2216.9	2293.9	2339.1	2366.3
42.5°	2108.4	2117.4	2189.8	2248.6	2271.2
45°	1995.3	2017.9	2085.7	2149.1	2180.8
47.5°	1882.1	1913.8	1981.7	2054.1	2072.2
50°	1764.5	1796.2	1877.6	1936.4	1977.2
52.5°	1642.3	1683.1	1764.5	1841.4	1877.6
55°	1524.7	1570.0	1660.4	1737.4	1769.0
57.5°	1398.0	1452.3	1551.9	1633.3	1669.5
60°	1280.4	1325.6	1434.2	1520.2	1560.9
62.5°	1144.7	1203.5	1321.1	1416.1	1452.3
65°	1018.0	1094.9	1212.5	1303.0	1343.7
67.5°	895.8	972.7	1103.9	1199.0	1248.7
70°	764.6	850.6	990.8	1099.4	1153.7
72.5°	628.9	728.4	886.8	1008.9	1054.2
75°	511.3	619.8	782.7	913.9	963.7
77.5°	393.6	506.7	687.7	823.4	877.7
80°	276.0	402.7	601.7	742.0	791.8
82.5°	181.0	321.2	520.3	660.6	714.9
85°	95.0	244.3	447.9	592.7	642.5
87.5°	31.7	185.5	384.6	529.4	579.1
90°	4.5	144.8	330.3	466.0	520.3
92.5°	0.0	113.1	285.0	420.8	470.5
95°	0.0	90.5	248.8	375.5	420.8
97.5°	0.0	76.9	221.7	334.8	384.6
100°	0.0	67.9	194.5	303.1	343.9
102.5°	0.0	63.3	176.5	271.5	312.2
105°	0.0	58.8	158.4	248.8	285.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	45.2	126.7	194.5	221.7
115°	0.0	45.2	117.6	181.0	203.6
117.5°	0.0	40.7	113.1	167.4	190.0
120°	0.0	36.2	104.1	158.4	181.0
122.5°	0.0	36.2	95.0	149.3	167.4
125°	4.5	31.7	90.5	135.7	153.8
127.5°	4.5	31.7	86.0	126.7	144.8
130°	4.5	27.1	76.9	117.6	131.2
132.5°	4.5	27.1	72.4	108.6	122.2
135°	4.5	27.1	67.9	99.5	113.1
137.5°	4.5	22.6	58.8	90.5	104.1
140°	4.5	22.6	54.3	81.4	95.0
142.5°	4.5	22.6	49.8	72.4	86.0
145°	4.5	18.1	45.2	67.9	72.4
147.5°	4.5	18.1	40.7	58.8	67.9
150°	4.5	13.6	36.2	49.8	58.8
152.5°	4.5	13.6	31.7	45.2	49.8
155°	4.5	13.6	27.1	40.7	45.2
157.5°	4.5	13.6	22.6	36.2	36.2
160°	4.5	9.0	18.1	27.1	31.7
162.5°	4.5	9.0	13.6	22.6	27.1
165°	4.5	9.0	9.0	18.1	22.6
167.5°	4.5	4.5	9.0	13.6	18.1
170°	4.5	4.5	9.0	9.0	13.6
172.5°	4.5	4.5	4.5	4.5	9.0
175°	4.5	4.5	4.5	4.5	4.5
177.5°	4.5	4.5	4.5	0.0	0.0
180°	4.5	4.5	4.5	4.5	4.5



Report Generated By 670246072 / DESKTOP-MV3F9LC







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







107.5°	0.0	54.3	149.3	226.2	262.4
110°	0.0	49.8	135.7	208.1	239.8



(END OF REPORT)