

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: P709743

Luminaire Tested: **4AWS-L3C39-CA-UNV-3000K-MID**

Issue Date: 9/26/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P709743  
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: 4AWS-L3C39-CA-UNV-3000K-MID  
Description: 4foot, Adapt Surface Wrap with, RD lens and MID lumen setting,  
3000K, 90CRI  
  
Light Source: -  
Ballast/Driver: -

**Summary**

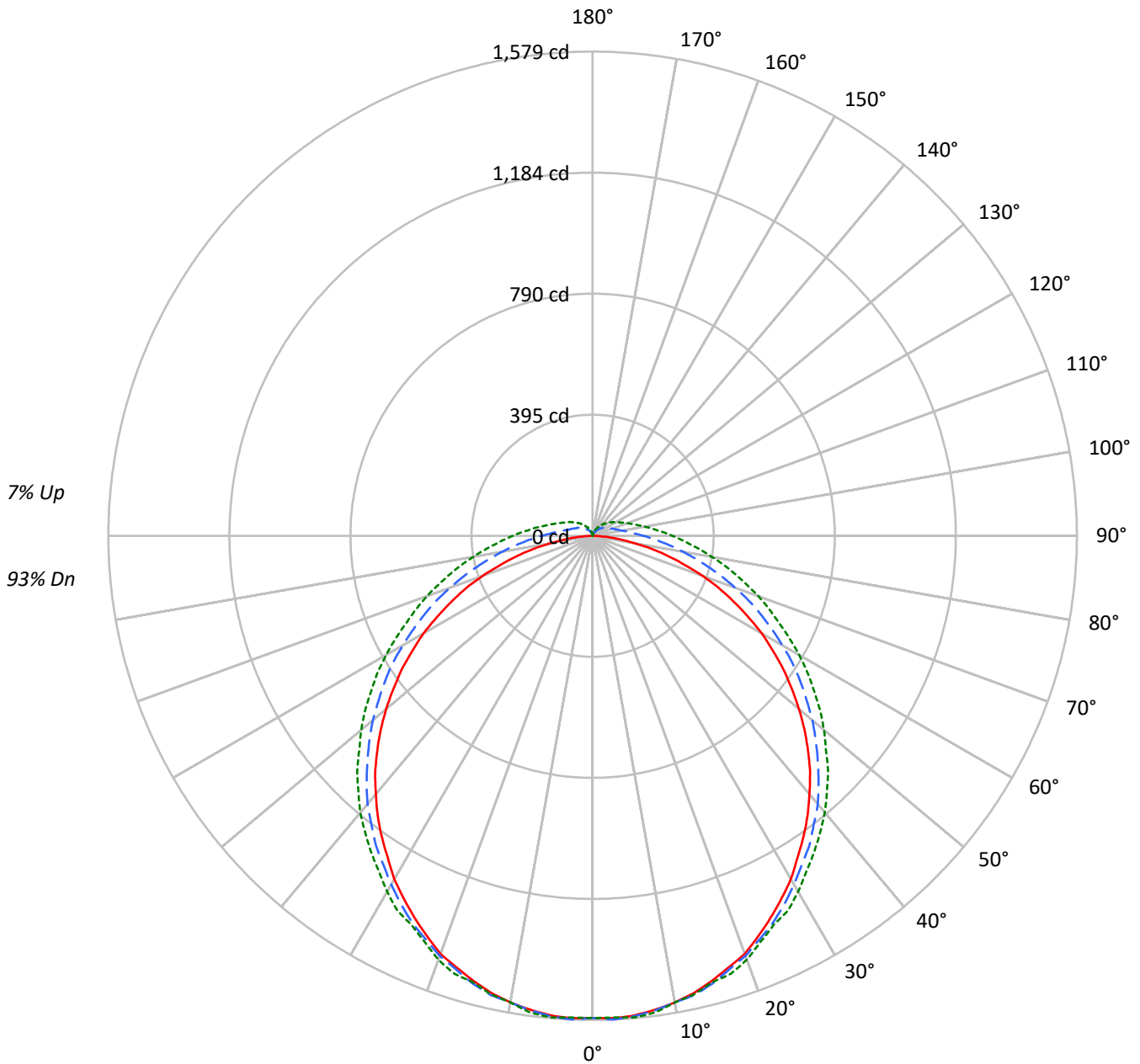
Lumens per Lamp: N/A  
Luminaire Lumens: 5093.0 lumens  
Efficiency: N/A  
Efficacy: 124.2 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 3.71' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 41  
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°	9917	9917	9917
5°	9913	9778	9761
10°	9841	9548	9462
15°	9727	9350	9197
20°	9624	9096	9017
25°	9421	8835	8679
30°	9244	8542	8484
35°	9023	8285	8198
40°	8812	8010	7959
45°	8583	7672	7681
50°	8300	7356	7368
55°	7980	7014	7057
60°	7615	6628	6753
65°	7074	6237	6402
70°	6448	5796	6170
75°	5536	5354	5924
80°	4217	5001	5775
85°	2499	4789	5814



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	149.2	2.9
10°-20°	425.6	8.4
20°-30°	640.4	12.6
30°-40°	769.1	15.1
40°-50°	800.9	15.7
50°-60°	735.9	14.4
60°-70°	591.0	11.6
70°-80°	402.9	7.9
80°-90°	229.0	4.5
90°-100°	128.3	2.5
100°-110°	81.2	1.6
110°-120°	55.4	1.1
120°-130°	38.1	0.7
130°-140°	24.2	0.5
140°-150°	13.5	0.3
150°-160°	6.1	0.1
160°-170°	1.9	0.0
170°-180°	0.3	0.0
0°-30°	1215.3	23.9
0°-40°	1984.4	39.0
0°-60°	3521.1	69.1
0°-90°	4744.1	93.1
90°-120°	264.8	5.2
90°-150°	340.6	6.7
90°-180°	349.0	6.9
0°-180°	5093.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1572	1572	1572	1572	1572	
5°	1570	1572	1572	1575	1577	149
15°	1502	1500	1512	1516	1507	424
25°	1374	1374	1392	1406	1399	633
35°	1198	1205	1232	1250	1259	750
45°	993	1005	1038	1070	1086	766
55°	759	782	827	865	881	678
65°	507	545	604	649	669	503
75°	255	309	390	455	480	270
85°	47	122	223	295	320	58
90°	2	72	164	232	259	3
95°	0	45	124	187	210	0
105°	0	29	79	124	142	0
115°	0	22	59	90	101	0
125°	2	16	45	68	77	1
135°	2	14	34	50	56	2
145°	2	9	22	34	36	1
155°	2	7	14	20	22	1
165°	2	4	7	9	11	1
175°	2	2	2	2	2	0
180°	2	2	2	2	2	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1572.4	1572.4	1572.4	1572.4	1572.4
2.5°	1574.6	1572.4	1579.1	1576.9	1572.4
5°	1570.1	1572.4	1572.4	1574.6	1576.9
7.5°	1558.9	1554.3	1561.1	1567.9	1567.9
10°	1545.3	1540.8	1545.3	1549.8	1545.3
12.5°	1527.3	1518.3	1534.1	1534.1	1531.8
15°	1502.5	1500.3	1511.5	1516.1	1507.0
17.5°	1475.5	1482.3	1482.3	1491.3	1498.0
20°	1450.7	1446.2	1457.5	1464.2	1471.0
22.5°	1412.4	1410.2	1423.7	1435.0	1432.7
25°	1374.1	1374.1	1392.2	1405.7	1398.9
27.5°	1333.6	1333.6	1353.9	1367.4	1378.6
30°	1293.0	1297.5	1313.3	1331.3	1340.3
32.5°	1243.5	1254.7	1270.5	1295.3	1297.5
35°	1198.4	1205.2	1232.2	1250.2	1259.2
37.5°	1151.1	1153.4	1184.9	1209.7	1218.7
40°	1099.3	1103.8	1142.1	1164.6	1178.2
42.5°	1049.7	1054.3	1090.3	1119.6	1130.8
45°	993.4	1004.7	1038.5	1070.0	1085.8
47.5°	937.1	952.9	986.7	1022.7	1031.7
50°	878.5	894.3	934.9	964.1	984.4
52.5°	817.7	838.0	878.5	916.8	934.9
55°	759.2	781.7	826.7	865.0	880.8
57.5°	696.1	723.1	772.7	813.2	831.2
60°	637.5	660.0	714.1	756.9	777.2
62.5°	569.9	599.2	657.8	705.1	723.1
65°	506.9	545.1	603.7	648.8	669.0
67.5°	446.0	484.3	549.7	597.0	621.7
70°	380.7	423.5	493.3	547.4	574.4
72.5°	313.1	362.7	441.5	502.3	524.9
75°	254.6	308.6	389.7	455.0	479.8
77.5°	196.0	252.3	342.4	410.0	437.0
80°	137.4	200.5	299.6	369.4	394.2
82.5°	90.1	159.9	259.1	328.9	355.9
85°	47.3	121.6	223.0	295.1	319.9
87.5°	15.8	92.4	191.5	263.6	288.3
90°	2.3	72.1	164.4	232.0	259.1
92.5°	0.0	56.3	141.9	209.5	234.3
95°	0.0	45.1	123.9	187.0	209.5
97.5°	0.0	38.3	110.4	166.7	191.5
100°	0.0	33.8	96.9	150.9	171.2
102.5°	0.0	31.5	87.9	135.2	155.4
105°	0.0	29.3	78.8	123.9	141.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	22.5	63.1	96.9	110.4
115°	0.0	22.5	58.6	90.1	101.4
117.5°	0.0	20.3	56.3	83.3	94.6
120°	0.0	18.0	51.8	78.8	90.1
122.5°	0.0	18.0	47.3	74.3	83.3
125°	2.3	15.8	45.1	67.6	76.6
127.5°	2.3	15.8	42.8	63.1	72.1
130°	2.3	13.5	38.3	58.6	65.3
132.5°	2.3	13.5	36.0	54.1	60.8
135°	2.3	13.5	33.8	49.6	56.3
137.5°	2.3	11.3	29.3	45.1	51.8
140°	2.3	11.3	27.0	40.5	47.3
142.5°	2.3	11.3	24.8	36.0	42.8
145°	2.3	9.0	22.5	33.8	36.0
147.5°	2.3	9.0	20.3	29.3	33.8
150°	2.3	6.8	18.0	24.8	29.3
152.5°	2.3	6.8	15.8	22.5	24.8
155°	2.3	6.8	13.5	20.3	22.5
157.5°	2.3	6.8	11.3	18.0	18.0
160°	2.3	4.5	9.0	13.5	15.8
162.5°	2.3	4.5	9.0	11.3	13.5
165°	2.3	4.5	6.8	9.0	11.3
167.5°	2.3	2.3	4.5	6.8	9.0
170°	2.3	2.3	4.5	4.5	6.8
172.5°	2.3	2.3	2.3	2.3	4.5
175°	2.3	2.3	2.3	2.3	2.3
177.5°	2.3	2.3	2.3	0.0	0.0
180°	2.3	2.3	2.3	2.3	2.3



Report Generated By 670246072 / DESKTOP-MV3F9LC







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







107.5°	0.0	27.0	74.3	112.6	130.7
110°	0.0	24.8	67.6	103.6	119.4



(END OF REPORT)