

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: P709761

Luminaire Tested: **4AWS-L3C39-UNV-3500K-MID**

Issue Date: 9/26/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P709761  
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-UNV-3500K-MID  
Description: 4foot, Adapt Surface Wrap with, RD lens and MID lumen setting,  
3500K, 90CRI  
  
Light Source: -  
Ballast/Driver: -

**Summary**

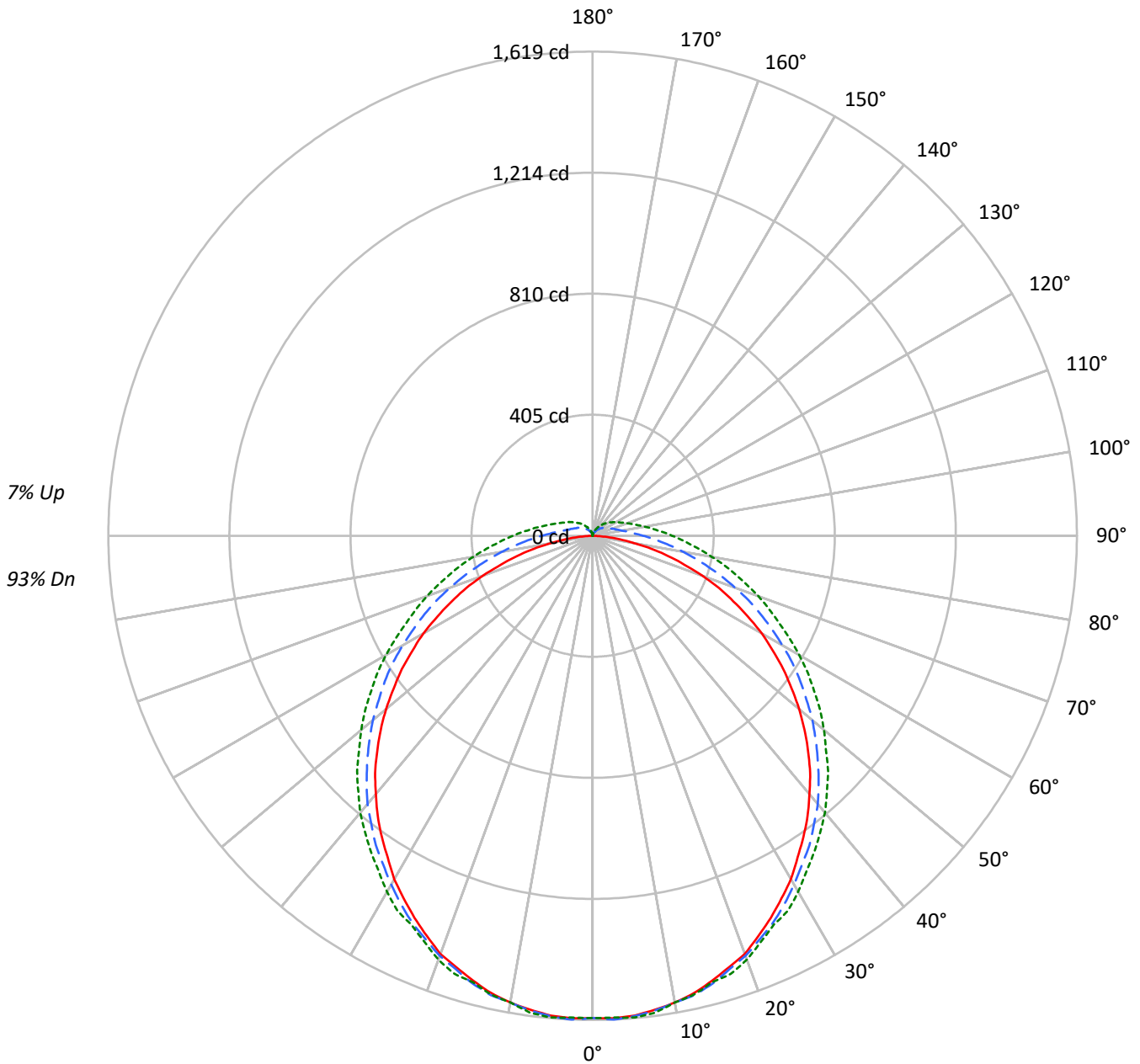
Lumens per Lamp: N/A  
Luminaire Lumens: 5223.0 lumens  
Efficiency: N/A  
Efficacy: 127.4 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 3.71' x H: 0.12')  
CIE Type: Direct

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°	10170	10170	10170
5°	10166	10027	10010
10°	10092	9792	9704
15°	9975	9589	9432
20°	9870	9328	9247
25°	9661	9060	8901
30°	9480	8760	8701
35°	9253	8497	8408
40°	9037	8215	8161
45°	8803	7868	7877
50°	8513	7543	7556
55°	8183	7193	7237
60°	7810	6797	6925
65°	7254	6396	6566
70°	6612	5944	6328
75°	5677	5491	6076
80°	4324	5130	5923
85°	2562	4911	5961



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	153.0	2.9
10°-20°	436.5	8.4
20°-30°	656.8	12.6
30°-40°	788.7	15.1
40°-50°	821.3	15.7
50°-60°	754.7	14.4
60°-70°	606.1	11.6
70°-80°	413.2	7.9
80°-90°	234.9	4.5
90°-100°	131.5	2.5
100°-110°	83.2	1.6
110°-120°	56.8	1.1
120°-130°	39.0	0.7
130°-140°	24.8	0.5
140°-150°	13.8	0.3
150°-160°	6.3	0.1
160°-170°	2.0	0.0
170°-180°	0.3	0.0
0°-30°	1246.3	23.9
0°-40°	2035.1	39.0
0°-60°	3611.0	69.1
0°-90°	4865.2	93.1
90°-120°	271.6	5.2
90°-150°	349.3	6.7
90°-180°	358.0	6.9
0°-180°	5223.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1612	1612	1612	1612	1612	
5°	1610	1612	1612	1615	1617	153
15°	1541	1539	1550	1555	1546	435
25°	1409	1409	1428	1442	1435	650
35°	1229	1236	1264	1282	1291	769
45°	1019	1030	1065	1097	1114	786
55°	778	802	848	887	903	695
65°	520	559	619	665	686	515
75°	261	316	400	467	492	276
85°	48	125	229	303	328	60
90°	2	74	169	238	266	3
95°	0	46	127	192	215	0
105°	0	30	81	127	146	0
115°	0	23	60	92	104	0
125°	2	16	46	69	78	1
135°	2	14	35	51	58	2
145°	2	9	23	35	37	1
155°	2	7	14	21	23	1
165°	2	5	7	9	12	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°	1612.5	1612.5	1612.5	1612.5	1612.5
2.5°	1614.8	1612.5	1619.4	1617.1	1612.5
5°	1610.2	1612.5	1612.5	1614.8	1617.1
7.5°	1598.6	1594.0	1601.0	1607.9	1607.9
10°	1584.8	1580.2	1584.8	1589.4	1584.8
12.5°	1566.3	1557.1	1573.2	1573.2	1570.9
15°	1540.9	1538.6	1550.1	1554.8	1545.5
17.5°	1513.2	1520.1	1520.1	1529.3	1536.3
20°	1487.8	1483.1	1494.7	1501.6	1508.5
22.5°	1448.5	1446.2	1460.0	1471.6	1469.3
25°	1409.2	1409.2	1427.7	1441.6	1434.6
27.5°	1367.6	1367.6	1388.4	1402.3	1413.8
30°	1326.0	1330.7	1346.8	1365.3	1374.6
32.5°	1275.2	1286.8	1302.9	1328.4	1330.7
35°	1229.0	1235.9	1263.7	1282.1	1291.4
37.5°	1180.5	1182.8	1215.2	1240.6	1249.8
40°	1127.4	1132.0	1171.3	1194.4	1208.2
42.5°	1076.5	1081.2	1118.1	1148.2	1159.7
45°	1018.8	1030.3	1065.0	1097.3	1113.5
47.5°	961.0	977.2	1011.9	1048.8	1058.1
50°	901.0	917.1	958.7	988.8	1009.5
52.5°	838.6	859.4	901.0	940.2	958.7
55°	778.5	801.6	847.8	887.1	903.3
57.5°	713.8	741.6	792.4	834.0	852.5
60°	653.8	676.9	732.3	776.2	797.0
62.5°	584.5	614.5	674.6	723.1	741.6
65°	519.8	559.1	619.1	665.3	686.1
67.5°	457.4	496.7	563.7	612.2	637.6
70°	390.4	434.3	505.9	561.4	589.1
72.5°	321.1	371.9	452.8	515.2	538.3
75°	261.1	316.5	399.7	466.7	492.1
77.5°	201.0	258.7	351.1	420.5	448.2
80°	140.9	205.6	307.3	378.9	404.3
82.5°	92.4	164.0	265.7	337.3	365.0
85°	48.5	124.7	228.7	302.6	328.0
87.5°	16.2	94.7	196.4	270.3	295.7
90°	2.3	73.9	168.6	237.9	265.7
92.5°	0.0	57.8	145.5	214.8	240.3
95°	0.0	46.2	127.1	191.7	214.8
97.5°	0.0	39.3	113.2	171.0	196.4
100°	0.0	34.7	99.3	154.8	175.6
102.5°	0.0	32.3	90.1	138.6	159.4
105°	0.0	30.0	80.9	127.1	145.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	23.1	64.7	99.3	113.2
115°	0.0	23.1	60.1	92.4	104.0
117.5°	0.0	20.8	57.8	85.5	97.0
120°	0.0	18.5	53.1	80.9	92.4
122.5°	0.0	18.5	48.5	76.2	85.5
125°	2.3	16.2	46.2	69.3	78.5
127.5°	2.3	16.2	43.9	64.7	73.9
130°	2.3	13.9	39.3	60.1	67.0
132.5°	2.3	13.9	37.0	55.4	62.4
135°	2.3	13.9	34.7	50.8	57.8
137.5°	2.3	11.6	30.0	46.2	53.1
140°	2.3	11.6	27.7	41.6	48.5
142.5°	2.3	11.6	25.4	37.0	43.9
145°	2.3	9.2	23.1	34.7	37.0
147.5°	2.3	9.2	20.8	30.0	34.7
150°	2.3	6.9	18.5	25.4	30.0
152.5°	2.3	6.9	16.2	23.1	25.4
155°	2.3	6.9	13.9	20.8	23.1
157.5°	2.3	6.9	11.6	18.5	18.5
160°	2.3	4.6	9.2	13.9	16.2
162.5°	2.3	4.6	9.2	11.6	13.9
165°	2.3	4.6	6.9	9.2	11.6
167.5°	2.3	2.3	4.6	6.9	9.2
170°	2.3	2.3	4.6	4.6	6.9
172.5°	2.3	2.3	2.3	2.3	4.6
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	27.7	76.2	115.5	134.0
110°	0.0	25.4	69.3	106.3	122.4



(END OF REPORT)