

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: P709746

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

Issue Date: 9/26/2023



Test Information

Test Method: LM-79-08
Report Number: P709746
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-3500K-MID
Description: 4foot, Adapt Surface Wrap with, RD lens and MID lumen setting,
3500K, 90CRI

Light Source: -
Ballast/Driver: -

Summary

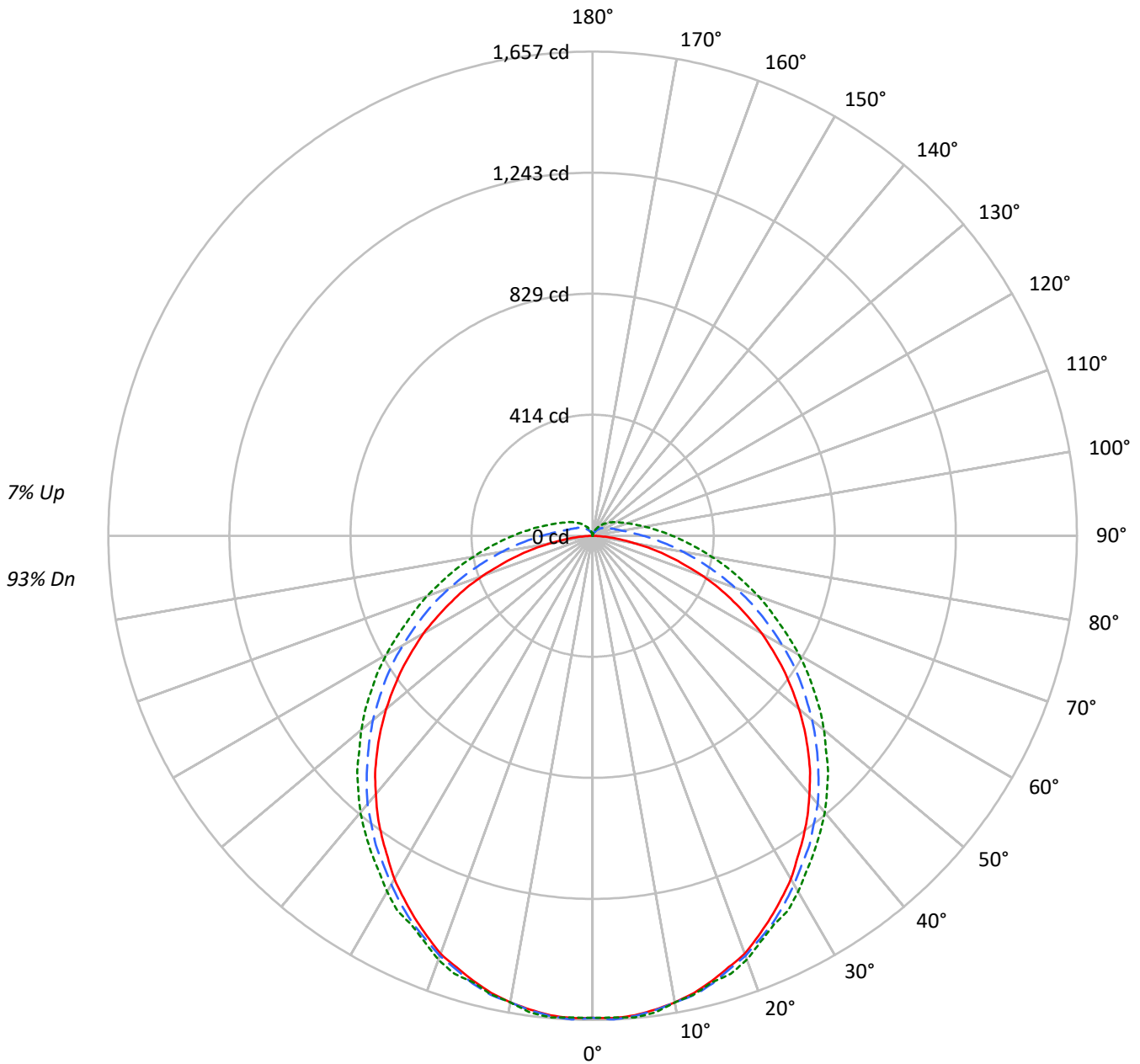
Lumens per Lamp: N/A
Luminaire Lumens: 5344.0 lumens
Efficiency: N/A
Efficacy: 137.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 3.71' x H: 0.12')
CIE Type: Direct

Input Watts (W): 39
Input Voltage (V): NR
Input Current (A_{in}): 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: P709746

CATALOG NUMBER: 4AWS-L3C39-CA-UNV-3500K-MID

Luminous Intensity Polar Plot





TEST NUMBER: P709746

CATALOG NUMBER: 4AWS-L3C39-CA-UNV-3500K-MID

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°	10406	10406	10406
5°	10401	10260	10242
10°	10326	10019	9928
15°	10206	9811	9651
20°	10098	9544	9462
25°	9885	9270	9108
30°	9700	8963	8902
35°	9468	8693	8602
40°	9246	8405	8350
45°	9007	8051	8060
50°	8709	7718	7731
55°	8373	7360	7404
60°	7990	6955	7086
65°	7422	6545	6718
70°	6766	6082	6474
75°	5808	5618	6217
80°	4426	5248	6059
85°	2621	5025	6099



TEST NUMBER: P709746

CATALOG NUMBER: 4AWS-L3C39-CA-UNV-3500K-MID

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.6	2.9
10°-20°	446.6	8.4
20°-30°	672.0	12.6
30°-40°	807.0	15.1
40°-50°	840.4	15.7
50°-60°	772.1	14.4
60°-70°	620.1	11.6
70°-80°	422.8	7.9
80°-90°	240.3	4.5
90°-100°	134.6	2.5
100°-110°	85.2	1.6
110°-120°	58.1	1.1
120°-130°	39.9	0.7
130°-140°	25.4	0.5
140°-150°	14.1	0.3
150°-160°	6.4	0.1
160°-170°	2.0	0.0
170°-180°	0.3	0.0
0°-30°	1275.2	23.9
0°-40°	2082.2	39.0
0°-60°	3694.7	69.1
0°-90°	4977.9	93.1
90°-120°	277.9	5.2
90°-150°	357.4	6.7
90°-180°	366.0	6.8
0°-180°	5344.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1650	1650	1650	1650	1650	
5°	1648	1650	1650	1652	1655	156
15°	1577	1574	1586	1591	1581	445
25°	1442	1442	1461	1475	1468	665
35°	1258	1265	1293	1312	1321	787
45°	1042	1054	1090	1123	1139	804
55°	797	820	868	908	924	711
65°	532	572	634	681	702	527
75°	267	324	409	478	504	283
85°	50	128	234	310	336	61
90°	2	76	173	244	272	3
95°	0	47	130	196	220	0
105°	0	31	83	130	149	0
115°	0	24	62	94	106	0
125°	2	16	47	71	80	1
135°	2	14	36	52	59	2
145°	2	10	24	36	38	2
155°	2	7	14	21	24	1
165°	2	5	7	10	12	1
175°	2	2	2	2	2	0
180°	2	2	2	2	2	



TEST NUMBER: P709746

CATALOG NUMBER: 4AWS-L3C39-CA-UNV-3500K-MID

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1649.9	1649.9	1649.9	1649.9	1649.9
2.5°	1652.2	1649.9	1657.0	1654.6	1649.9
5°	1647.5	1649.9	1649.9	1652.2	1654.6
7.5°	1635.7	1631.0	1638.0	1645.1	1645.1
10°	1621.5	1616.8	1621.5	1626.2	1621.5
12.5°	1602.6	1593.1	1609.7	1609.7	1607.3
15°	1576.6	1574.2	1586.0	1590.8	1581.3
17.5°	1548.2	1555.3	1555.3	1564.8	1571.9
20°	1522.2	1517.5	1529.3	1536.4	1543.5
22.5°	1482.0	1479.7	1493.9	1505.7	1503.3
25°	1441.9	1441.9	1460.8	1474.9	1467.9
27.5°	1399.3	1399.3	1420.6	1434.8	1446.6
30°	1356.8	1361.5	1378.0	1396.9	1406.4
32.5°	1304.8	1316.6	1333.1	1359.1	1361.5
35°	1257.5	1264.6	1292.9	1311.9	1321.3
37.5°	1207.9	1210.2	1243.3	1269.3	1278.8
40°	1153.5	1158.2	1198.4	1222.0	1236.2
42.5°	1101.5	1106.2	1144.0	1174.8	1186.6
45°	1042.4	1054.2	1089.7	1122.8	1139.3
47.5°	983.3	999.8	1035.3	1073.1	1082.6
50°	921.8	938.4	980.9	1011.7	1032.9
52.5°	858.0	879.3	921.8	962.0	980.9
55°	796.6	820.2	867.5	907.7	924.2
57.5°	730.4	758.7	810.7	853.3	872.2
60°	668.9	692.6	749.3	794.2	815.5
62.5°	598.0	628.7	690.2	739.8	758.7
65°	531.8	572.0	633.5	680.7	702.0
67.5°	468.0	508.2	576.7	626.4	652.4
70°	399.5	444.4	517.7	574.4	602.7
72.5°	328.6	380.6	463.3	527.1	550.7
75°	267.1	323.8	408.9	477.5	503.5
77.5°	205.6	264.7	359.3	430.2	458.6
80°	144.2	210.4	314.4	387.6	413.6
82.5°	94.5	167.8	271.8	345.1	373.5
85°	49.6	127.6	234.0	309.6	335.6
87.5°	16.5	96.9	200.9	276.6	302.6
90°	2.4	75.6	172.6	243.5	271.8
92.5°	0.0	59.1	148.9	219.8	245.8
95°	0.0	47.3	130.0	196.2	219.8
97.5°	0.0	40.2	115.8	174.9	200.9
100°	0.0	35.5	101.6	158.4	179.6
102.5°	0.0	33.1	92.2	141.8	163.1
105°	0.0	30.7	82.7	130.0	148.9



TEST NUMBER: P709746

CATALOG NUMBER: 4AWS-L3C39-CA-UNV-3500K-MID

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	23.6	66.2	101.6	115.8
115°	0.0	23.6	61.5	94.5	106.4
117.5°	0.0	21.3	59.1	87.5	99.3
120°	0.0	18.9	54.4	82.7	94.5
122.5°	0.0	18.9	49.6	78.0	87.5
125°	2.4	16.5	47.3	70.9	80.4
127.5°	2.4	16.5	44.9	66.2	75.6
130°	2.4	14.2	40.2	61.5	68.5
132.5°	2.4	14.2	37.8	56.7	63.8
135°	2.4	14.2	35.5	52.0	59.1
137.5°	2.4	11.8	30.7	47.3	54.4
140°	2.4	11.8	28.4	42.5	49.6
142.5°	2.4	11.8	26.0	37.8	44.9
145°	2.4	9.5	23.6	35.5	37.8
147.5°	2.4	9.5	21.3	30.7	35.5
150°	2.4	7.1	18.9	26.0	30.7
152.5°	2.4	7.1	16.5	23.6	26.0
155°	2.4	7.1	14.2	21.3	23.6
157.5°	2.4	7.1	11.8	18.9	18.9
160°	2.4	4.7	9.5	14.2	16.5
162.5°	2.4	4.7	9.5	11.8	14.2
165°	2.4	4.7	7.1	9.5	11.8
167.5°	2.4	2.4	4.7	7.1	9.5
170°	2.4	2.4	4.7	4.7	7.1
172.5°	2.4	2.4	2.4	2.4	4.7
175°	2.4	2.4	2.4	2.4	2.4
177.5°	2.4	2.4	2.4	0.0	0.0
180°	2.4	2.4	2.4	2.4	2.4



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	28.4	78.0	118.2	137.1
110°	0.0	26.0	70.9	108.7	125.3



(END OF REPORT)