

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: P709875

Luminaire Tested: **4AWWS-L3C39-UNV-5000K-MID**

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709875
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2307-090-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4AWS-L3C39-UNV-5000K-MID
Description: 4foot, Wide Adapt Surface Wrap with, RD lens and MID lumen setting, 5000K, 90CRI

Light Source: -
Ballast/Driver: -

Summary

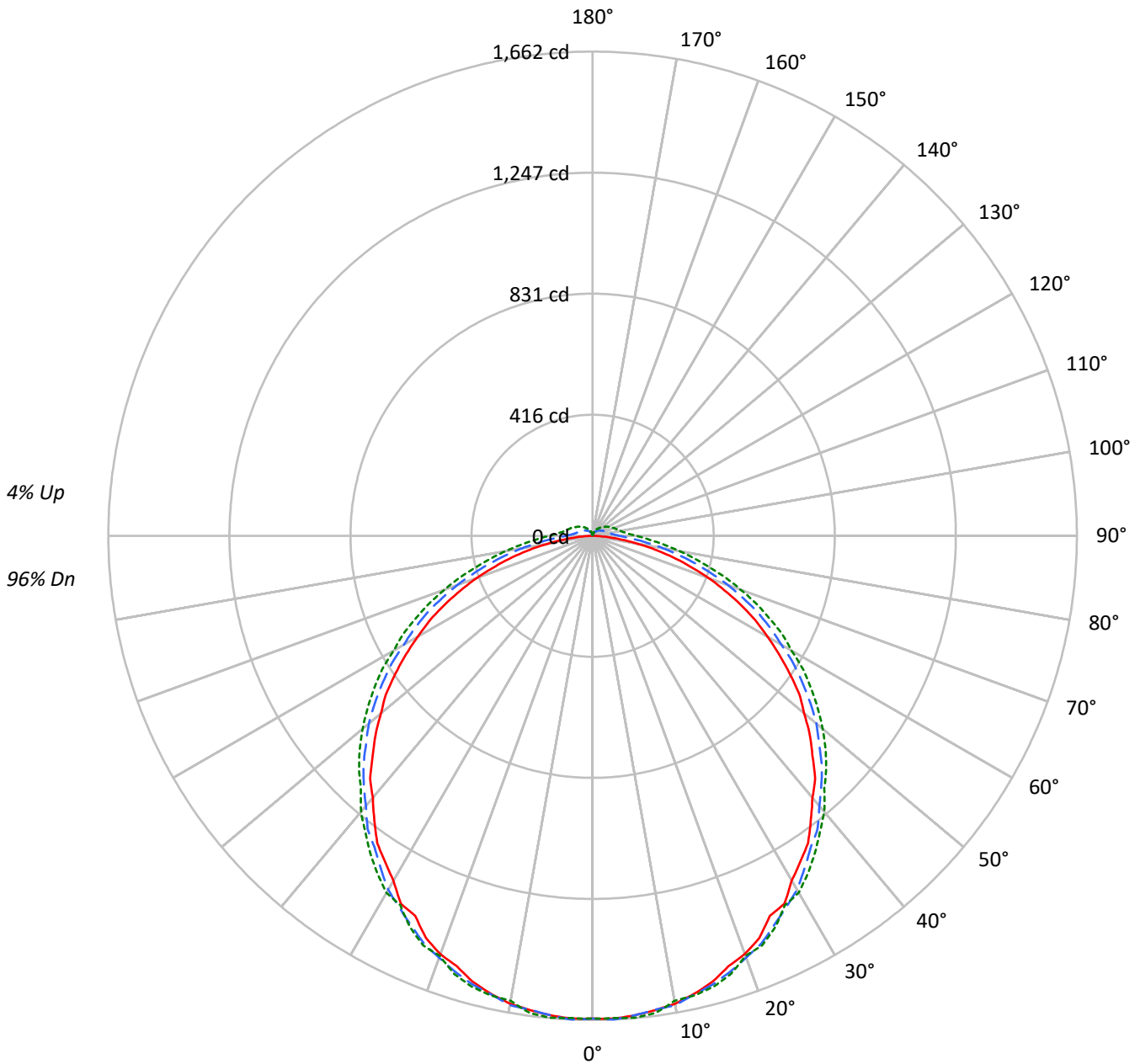
Lumens per Lamp: N/A
Luminaire Lumens: 5112.0 lumens
Efficiency: N/A
Efficacy: 127.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.27 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 3.71' x H: 0.17')
CIE Type: Direct

Input Watts (W): 40
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

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				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	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	98	98	98	96
1	107	102	97	93	104	99	95	91	94	91	88	90	87	84	85	83	81	81	81	81	79
2	97	89	81	76	94	86	80	74	82	77	72	78	74	70	74	71	67	67	67	67	65
3	88	78	69	62	85	76	68	62	72	65	60	69	63	58	66	61	57	57	57	57	54
4	81	69	60	53	78	67	59	52	64	57	51	61	55	50	58	53	49	49	49	49	46
5	74	61	52	45	72	60	51	45	57	50	44	55	48	43	52	47	42	42	42	42	40
6	68	55	46	39	66	54	45	39	52	44	38	49	43	38	47	42	37	37	37	37	35
7	63	50	41	35	61	49	40	34	47	39	34	45	38	33	43	37	33	33	33	33	31
8	59	45	37	31	57	45	36	31	43	35	30	41	35	30	40	34	29	29	29	29	27
9	55	42	33	28	53	41	33	28	39	32	27	38	32	27	37	31	26	26	26	26	25
10	52	38	30	25	50	38	30	25	36	29	25	35	29	24	34	28	24	24	24	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5794	5794	5794
5°	5775	5710	5725
10°	5742	5630	5552
15°	5670	5508	5498
20°	5590	5385	5312
25°	5436	5253	5220
30°	5373	5137	5106
35°	5327	4954	4963
40°	5157	4807	4816
45°	5045	4670	4652
50°	4886	4501	4505
55°	4726	4277	4319
60°	4490	4002	4066
65°	4232	3756	3841
70°	3848	3393	3534
75°	3279	2946	3156
80°	2470	2454	2818
85°	1313	1962	2515



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.3	3.1
10°-20°	449.6	8.8
20°-30°	678.4	13.3
30°-40°	818.7	16.0
40°-50°	853.2	16.7
50°-60°	782.0	15.3
60°-70°	613.3	12.0
70°-80°	379.1	7.4
80°-90°	160.8	3.1
90°-100°	70.4	1.4
100°-110°	50.0	1.0
110°-120°	37.5	0.7
120°-130°	26.7	0.5
130°-140°	17.6	0.3
140°-150°	10.4	0.2
150°-160°	5.0	0.1
160°-170°	1.6	0.0
170°-180°	0.2	0.0
0°-30°	1285.3	25.1
0°-40°	2104.0	41.2
0°-60°	3739.3	73.1
0°-90°	4892.5	95.7
90°-120°	157.9	3.1
90°-150°	212.7	4.2
90°-180°	220.0	4.3
0°-180°	5112.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1657	1657	1657	1657	1657	
5°	1652	1656	1652	1652	1661	157
15°	1586	1589	1594	1599	1602	447
25°	1440	1464	1474	1476	1483	670
35°	1288	1293	1305	1327	1330	801
45°	1067	1080	1112	1129	1134	824
55°	826	848	879	898	916	738
65°	562	584	627	652	668	554
75°	284	314	362	402	412	302
85°	50	90	148	191	210	63
90°	3	38	91	131	148	3
95°	0	25	66	100	115	0
105°	0	18	50	76	86	0
115°	0	15	40	62	70	0
125°	0	13	32	46	55	0
135°	0	10	25	35	42	0
145°	2	8	18	25	28	1
155°	2	5	12	17	18	1
165°	2	3	5	8	8	0
175°	2	2	2	2	3	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1657.4	1657.4	1657.4	1657.4	1657.4
2.5°	1659.0	1665.7	1662.4	1659.0	1657.4
5°	1652.4	1655.7	1652.4	1652.4	1660.7
7.5°	1642.4	1647.4	1640.8	1650.7	1652.4
10°	1630.8	1637.4	1635.8	1639.1	1620.8
12.5°	1610.8	1619.1	1612.5	1620.8	1615.8
15°	1585.9	1589.2	1594.2	1599.2	1602.5
17.5°	1549.3	1564.3	1569.3	1574.3	1577.6
20°	1527.7	1536.0	1541.0	1539.4	1534.4
22.5°	1494.5	1499.5	1514.4	1511.1	1521.1
25°	1439.6	1464.5	1474.5	1476.2	1482.8
27.5°	1424.7	1426.3	1438.0	1447.9	1429.6
30°	1366.5	1386.4	1403.0	1408.0	1414.7
32.5°	1326.6	1343.2	1353.2	1371.5	1374.8
35°	1288.3	1293.3	1305.0	1326.6	1329.9
37.5°	1230.2	1245.1	1268.4	1280.0	1281.7
40°	1173.6	1191.9	1210.2	1223.5	1236.8
42.5°	1130.4	1140.4	1162.0	1178.6	1177.0
45°	1067.2	1080.5	1112.1	1128.7	1133.7
47.5°	1010.7	1030.7	1053.9	1078.9	1083.9
50°	947.6	969.2	1002.4	1020.7	1030.7
52.5°	894.4	907.7	940.9	959.2	974.1
55°	826.2	847.8	879.4	897.7	916.0
57.5°	759.7	786.3	817.9	847.8	857.8
60°	693.2	719.8	748.1	781.3	788.0
62.5°	630.0	658.3	688.2	721.5	734.8
65°	561.9	583.5	626.7	651.6	668.3
67.5°	490.4	517.0	558.6	586.8	606.8
70°	423.9	453.8	493.7	528.6	540.3
72.5°	350.8	387.3	425.6	462.1	478.8
75°	284.3	314.2	362.4	402.3	412.3
77.5°	221.1	249.4	300.9	340.8	355.7
80°	154.6	189.5	244.4	284.3	302.6
82.5°	98.1	134.7	191.2	234.4	254.3
85°	49.9	89.8	148.0	191.2	209.5
87.5°	16.6	56.5	113.0	157.9	176.2
90°	3.3	38.2	91.4	131.3	148.0
92.5°	0.0	28.3	76.5	113.0	128.0
95°	0.0	24.9	66.5	99.7	114.7
97.5°	0.0	23.3	61.5	91.4	103.1
100°	0.0	21.6	56.5	84.8	96.4
102.5°	0.0	19.9	53.2	79.8	91.4
105°	0.0	18.3	49.9	76.5	86.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	16.6	43.2	63.2	73.1
115°	0.0	15.0	39.9	61.5	69.8
117.5°	0.0	15.0	38.2	56.5	64.8
120°	0.0	13.3	34.9	53.2	61.5
122.5°	0.0	13.3	33.2	51.5	58.2
125°	0.0	13.3	31.6	46.5	54.9
127.5°	0.0	11.6	29.9	44.9	49.9
130°	0.0	11.6	28.3	41.6	46.5
132.5°	0.0	10.0	26.6	38.2	43.2
135°	0.0	10.0	24.9	34.9	41.6
137.5°	0.0	10.0	23.3	33.2	36.6
140°	0.0	8.3	21.6	29.9	34.9
142.5°	1.7	8.3	18.3	28.3	31.6
145°	1.7	8.3	18.3	24.9	28.3
147.5°	1.7	6.6	16.6	23.3	26.6
150°	1.7	6.6	15.0	19.9	23.3
152.5°	1.7	5.0	13.3	18.3	19.9
155°	1.7	5.0	11.6	16.6	18.3
157.5°	1.7	5.0	10.0	13.3	15.0
160°	1.7	3.3	8.3	11.6	13.3
162.5°	1.7	3.3	6.6	10.0	11.6
165°	1.7	3.3	5.0	8.3	8.3
167.5°	1.7	3.3	5.0	6.6	6.6
170°	1.7	1.7	3.3	5.0	5.0
172.5°	1.7	1.7	3.3	3.3	3.3
175°	1.7	1.7	1.7	1.7	3.3
177.5°	1.7	1.7	1.7	1.7	1.7
180°	1.7	1.7	1.7	1.7	1.7



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	18.3	48.2	71.5	81.5
110°	0.0	16.6	44.9	68.2	78.1



(END OF REPORT)