

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: P709764

Luminaire Tested: **4AWS-L3C39-UNV-4000K-MID**

Issue Date: 9/26/2023



Test Information

Test Method: LM-79-08
Report Number: P709764
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-4000K-MID
Description: 4foot, Adapt Surface Wrap with, RD lens and MID lumen setting,
4000K, 90CRI

Light Source: -
Ballast/Driver: -

Summary

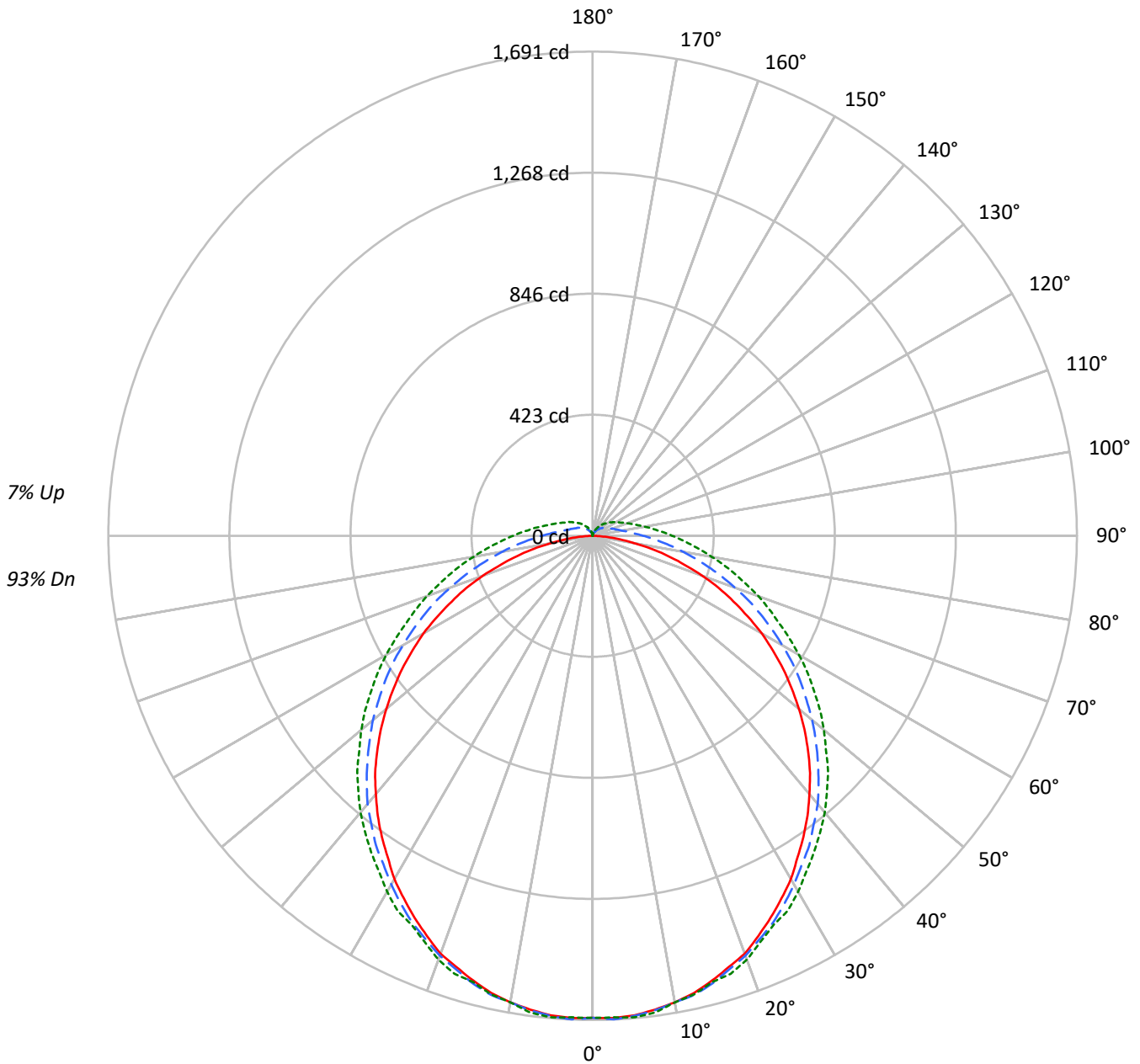
Lumens per Lamp: N/A
Luminaire Lumens: 5453.0 lumens
Efficiency: N/A
Efficacy: 136.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 3.71' x H: 0.12')
CIE Type: Direct

Input Watts (W): 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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	96	96	96	93	
1	106	101	96	92	102	98	93	89	92	89	85	87	84	81	82	80	78	78	78	78	75	
2	96	87	80	74	93	85	78	72	80	74	70	76	71	67	71	68	64	64	64	64	62	
3	87	76	68	61	84	74	66	60	70	63	58	66	61	56	63	58	54	54	54	54	52	
4	80	67	58	51	77	65	57	51	62	55	49	59	53	48	56	51	46	46	46	46	44	
5	73	60	51	44	71	58	50	43	56	48	42	53	46	41	50	45	40	40	40	40	38	
6	68	54	45	38	65	53	44	38	50	43	37	48	41	36	46	40	35	35	35	35	33	
7	63	49	40	34	60	48	39	33	46	38	33	43	37	32	42	36	31	31	31	31	29	
8	58	45	36	30	56	44	35	30	42	34	29	40	33	29	38	32	28	28	28	28	26	
9	54	41	33	27	53	40	32	27	38	31	26	37	30	26	35	29	25	25	25	25	23	
10	51	38	30	24	49	37	29	24	35	29	24	34	28	23	33	27	23	23	23	23	21	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10618	10618	10618
5°	10614	10469	10451
10°	10537	10223	10131
15°	10414	10012	9848
20°	10304	9739	9655
25°	10087	9459	9293
30°	9898	9146	9084
35°	9661	8870	8778
40°	9435	8576	8521
45°	9191	8215	8224
50°	8887	7875	7889
55°	8543	7510	7556
60°	8154	7097	7230
65°	7574	6678	6855
70°	6903	6206	6606
75°	5925	5733	6343
80°	4515	5355	6183
85°	2679	5128	6225



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.7	2.9
10°-20°	455.7	8.4
20°-30°	685.7	12.6
30°-40°	823.5	15.1
40°-50°	857.5	15.7
50°-60°	787.9	14.4
60°-70°	632.8	11.6
70°-80°	431.4	7.9
80°-90°	245.2	4.5
90°-100°	137.3	2.5
100°-110°	86.9	1.6
110°-120°	59.3	1.1
120°-130°	40.8	0.7
130°-140°	25.9	0.5
140°-150°	14.4	0.3
150°-160°	6.5	0.1
160°-170°	2.1	0.0
170°-180°	0.3	0.0
0°-30°	1301.2	23.9
0°-40°	2124.7	39.0
0°-60°	3770.0	69.1
0°-90°	5079.5	93.1
90°-120°	283.6	5.2
90°-150°	364.7	6.7
90°-180°	374.0	6.9
0°-180°	5453.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1684	1684	1684	1684	1684	
5°	1681	1684	1684	1686	1688	160
15°	1609	1606	1618	1623	1614	454
25°	1471	1471	1491	1505	1498	678
35°	1283	1290	1319	1339	1348	803
45°	1064	1076	1112	1146	1162	820
55°	813	837	885	926	943	726
65°	543	584	646	695	716	538
75°	272	330	417	487	514	289
85°	51	130	239	316	342	62
90°	2	77	176	248	277	3
95°	0	48	133	200	224	0
105°	0	31	84	133	152	0
115°	0	24	63	96	108	0
125°	2	17	48	72	82	1
135°	2	14	36	53	60	2
145°	2	10	24	36	39	2
155°	2	7	14	22	24	1
165°	2	5	7	10	12	1
175°	2	2	2	2	2	0
180°	2	2	2	2	2	



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CATALOG NUMBER: 4AWS-L3C39-UNV-4000K-MID

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1683.5	1683.5	1683.5	1683.5	1683.5
2.5°	1685.9	1683.5	1690.7	1688.3	1683.5
5°	1681.1	1683.5	1683.5	1685.9	1688.3
7.5°	1669.0	1664.2	1671.5	1678.7	1678.7
10°	1654.6	1649.7	1654.6	1659.4	1654.6
12.5°	1635.3	1625.6	1642.5	1642.5	1640.1
15°	1608.7	1606.3	1618.4	1623.2	1613.6
17.5°	1579.8	1587.0	1587.0	1596.7	1603.9
20°	1553.3	1548.4	1560.5	1567.7	1575.0
22.5°	1512.3	1509.9	1524.3	1536.4	1534.0
25°	1471.3	1471.3	1490.6	1505.0	1497.8
27.5°	1427.9	1427.9	1449.6	1464.0	1476.1
30°	1384.4	1389.3	1406.1	1425.4	1435.1
32.5°	1331.4	1343.4	1360.3	1386.8	1389.3
35°	1283.1	1290.4	1319.3	1338.6	1348.3
37.5°	1232.5	1234.9	1268.7	1295.2	1304.8
40°	1177.0	1181.8	1222.8	1247.0	1261.4
42.5°	1124.0	1128.8	1167.4	1198.7	1210.8
45°	1063.7	1075.7	1111.9	1145.7	1162.5
47.5°	1003.4	1020.2	1056.4	1095.0	1104.7
50°	940.6	957.5	1000.9	1032.3	1054.0
52.5°	875.5	897.2	940.6	981.6	1000.9
55°	812.8	836.9	885.2	926.2	943.1
57.5°	745.3	774.2	827.3	870.7	890.0
60°	682.6	706.7	764.6	810.4	832.1
62.5°	610.2	641.6	704.3	754.9	774.2
65°	542.7	583.7	646.4	694.6	716.3
67.5°	477.6	518.6	588.5	639.2	665.7
70°	407.6	453.4	528.2	586.1	615.0
72.5°	335.3	388.3	472.7	537.9	562.0
75°	272.5	330.4	417.3	487.2	513.7
77.5°	209.8	270.1	366.6	439.0	467.9
80°	147.1	214.7	320.8	395.6	422.1
82.5°	96.5	171.2	277.4	352.1	381.1
85°	50.7	130.2	238.8	316.0	342.5
87.5°	16.9	98.9	205.0	282.2	308.7
90°	2.4	77.2	176.1	248.4	277.4
92.5°	0.0	60.3	152.0	224.3	250.8
95°	0.0	48.2	132.7	200.2	224.3
97.5°	0.0	41.0	118.2	178.5	205.0
100°	0.0	36.2	103.7	161.6	183.3
102.5°	0.0	33.8	94.1	144.7	166.4
105°	0.0	31.4	84.4	132.7	152.0



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CATALOG NUMBER: 4AWS-L3C39-UNV-4000K-MID

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	24.1	67.5	103.7	118.2
115°	0.0	24.1	62.7	96.5	108.5
117.5°	0.0	21.7	60.3	89.2	101.3
120°	0.0	19.3	55.5	84.4	96.5
122.5°	0.0	19.3	50.7	79.6	89.2
125°	2.4	16.9	48.2	72.4	82.0
127.5°	2.4	16.9	45.8	67.5	77.2
130°	2.4	14.5	41.0	62.7	69.9
132.5°	2.4	14.5	38.6	57.9	65.1
135°	2.4	14.5	36.2	53.1	60.3
137.5°	2.4	12.1	31.4	48.2	55.5
140°	2.4	12.1	28.9	43.4	50.7
142.5°	2.4	12.1	26.5	38.6	45.8
145°	2.4	9.6	24.1	36.2	38.6
147.5°	2.4	9.6	21.7	31.4	36.2
150°	2.4	7.2	19.3	26.5	31.4
152.5°	2.4	7.2	16.9	24.1	26.5
155°	2.4	7.2	14.5	21.7	24.1
157.5°	2.4	7.2	12.1	19.3	19.3
160°	2.4	4.8	9.6	14.5	16.9
162.5°	2.4	4.8	9.6	12.1	14.5
165°	2.4	4.8	7.2	9.6	12.1
167.5°	2.4	2.4	4.8	7.2	9.6
170°	2.4	2.4	4.8	4.8	7.2
172.5°	2.4	2.4	2.4	2.4	4.8
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	28.9	79.6	120.6	139.9
110°	0.0	26.5	72.4	110.9	127.8



(END OF REPORT)