

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: P709734

Luminaire Tested: **4AWS-L3C3-UNV-3500K-MID**

Issue Date: 9/26/2023



Test Information

Test Method: LM-79-08
Report Number: P709734
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-L3C3-UNV-3500K-MID
Description: 4foot, Adapt Surface Wrap with, RD lens and MID lumen setting,
3500K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

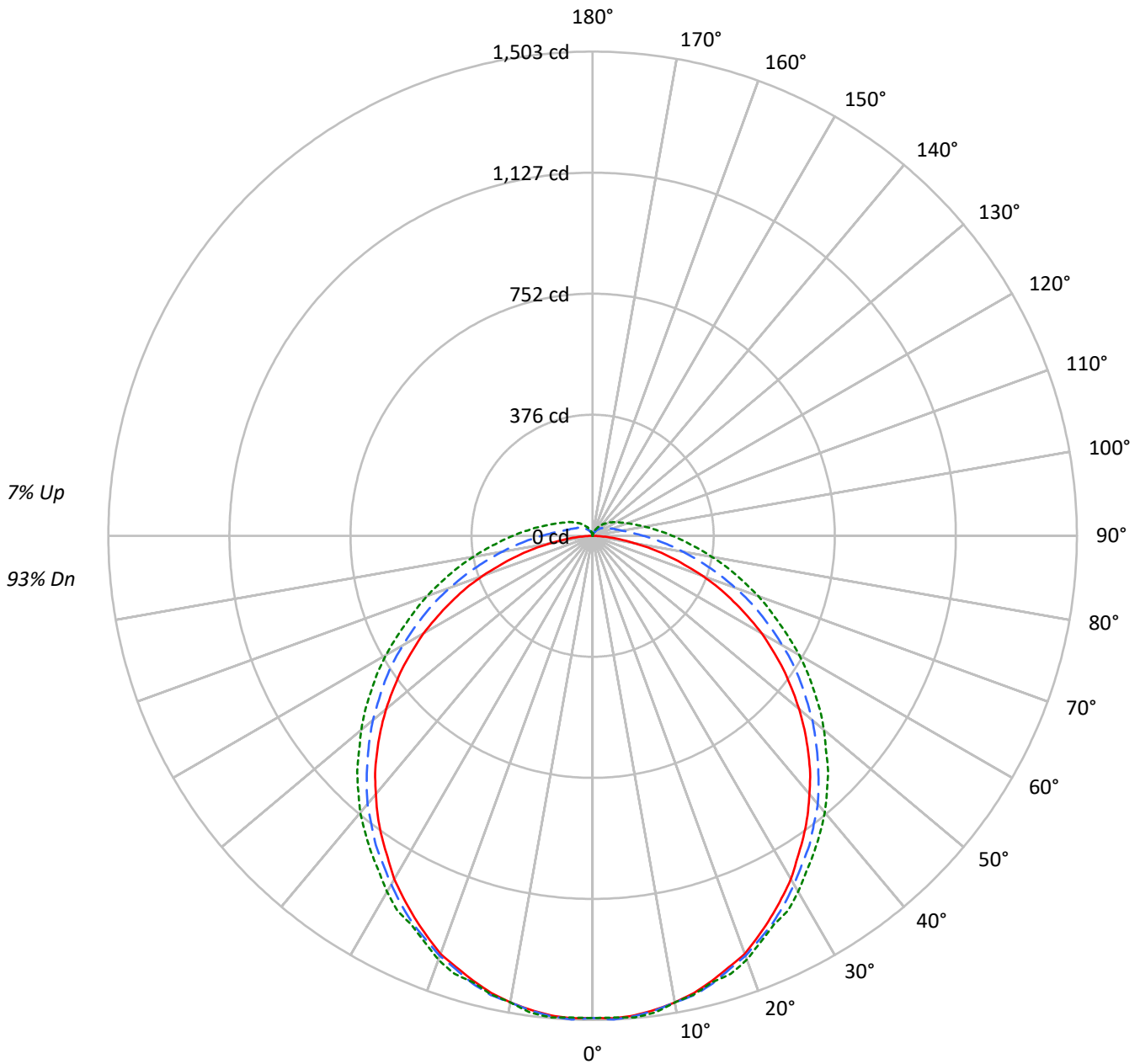
Lumens per Lamp: N/A
Luminaire Lumens: 4848.0 lumens
Efficiency: N/A
Efficacy: 124.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 3.71' x H: 0.12')
CIE Type: Direct

Input Watts (W): 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

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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°	9440	9440	9440
5°	9436	9307	9291
10°	9368	9089	9007
15°	9259	8900	8755
20°	9161	8659	8583
25°	8967	8409	8262
30°	8800	8131	8076
35°	8589	7886	7804
40°	8388	7625	7576
45°	8170	7303	7312
50°	7901	7002	7014
55°	7595	6677	6717
60°	7248	6309	6428
65°	6734	5937	6095
70°	6138	5517	5874
75°	5269	5097	5639
80°	4014	4761	5498
85°	2378	4559	5534



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.0	2.9
10°-20°	405.2	8.4
20°-30°	609.6	12.6
30°-40°	732.1	15.1
40°-50°	762.3	15.7
50°-60°	700.5	14.4
60°-70°	562.6	11.6
70°-80°	383.6	7.9
80°-90°	218.0	4.5
90°-100°	122.1	2.5
100°-110°	77.3	1.6
110°-120°	52.7	1.1
120°-130°	36.2	0.7
130°-140°	23.0	0.5
140°-150°	12.8	0.3
150°-160°	5.8	0.1
160°-170°	1.8	0.0
170°-180°	0.2	0.0
0°-30°	1156.8	23.9
0°-40°	1888.9	39.0
0°-60°	3351.8	69.1
0°-90°	4515.9	93.1
90°-120°	252.1	5.2
90°-150°	324.2	6.7
90°-180°	332.0	6.8
0°-180°	4848.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1497	1497	1497	1497	1497	
5°	1495	1497	1497	1499	1501	142
15°	1430	1428	1439	1443	1434	404
25°	1308	1308	1325	1338	1332	603
35°	1141	1147	1173	1190	1199	714
45°	946	956	988	1018	1034	729
55°	723	744	787	823	838	645
65°	482	519	575	618	637	478
75°	242	294	371	433	457	257
85°	45	116	212	281	304	55
90°	2	69	156	221	247	3
95°	0	43	118	178	199	0
105°	0	28	75	118	135	0
115°	0	21	56	86	96	0
125°	2	15	43	64	73	1
135°	2	13	32	47	54	2
145°	2	9	21	32	34	1
155°	2	6	13	19	21	1
165°	2	4	6	9	11	1
175°	2	2	2	2	2	0
180°	2	2	2	2	2	



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CATALOG NUMBER: 4AWS-L3C3-UNV-3500K-MID

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1496.7	1496.7	1496.7	1496.7	1496.7
2.5°	1498.9	1496.7	1503.2	1501.0	1496.7
5°	1494.6	1496.7	1496.7	1498.9	1501.0
7.5°	1483.9	1479.6	1486.0	1492.4	1492.4
10°	1471.0	1466.7	1471.0	1475.3	1471.0
12.5°	1453.8	1445.3	1460.3	1460.3	1458.1
15°	1430.3	1428.1	1438.8	1443.1	1434.5
17.5°	1404.5	1411.0	1411.0	1419.5	1426.0
20°	1380.9	1376.6	1387.4	1393.8	1400.2
22.5°	1344.5	1342.3	1355.2	1365.9	1363.8
25°	1308.0	1308.0	1325.2	1338.1	1331.6
27.5°	1269.4	1269.4	1288.7	1301.6	1312.3
30°	1230.8	1235.1	1250.1	1267.3	1275.9
32.5°	1183.7	1194.4	1209.4	1233.0	1235.1
35°	1140.8	1147.2	1172.9	1190.1	1198.7
37.5°	1095.7	1097.9	1127.9	1151.5	1160.1
40°	1046.4	1050.7	1087.2	1108.6	1121.5
42.5°	999.3	1003.5	1037.8	1065.7	1076.4
45°	945.6	956.4	988.5	1018.5	1033.6
47.5°	892.0	907.0	939.2	973.5	982.1
50°	836.3	851.3	889.9	917.8	937.1
52.5°	778.4	797.7	836.3	872.7	889.9
55°	722.6	744.1	787.0	823.4	838.4
57.5°	662.6	688.3	735.5	774.1	791.3
60°	606.8	628.3	679.7	720.5	739.8
62.5°	542.5	570.4	626.1	671.2	688.3
65°	482.5	518.9	574.7	617.6	636.9
67.5°	424.6	461.0	523.2	568.2	591.8
70°	362.4	403.1	469.6	521.1	546.8
72.5°	298.1	345.2	420.3	478.2	499.6
75°	242.3	293.8	371.0	433.2	456.7
77.5°	186.6	240.2	325.9	390.3	416.0
80°	130.8	190.8	285.2	351.7	375.3
82.5°	85.8	152.2	246.6	313.1	338.8
85°	45.0	115.8	212.3	280.9	304.5
87.5°	15.0	87.9	182.3	250.9	274.5
90°	2.1	68.6	156.5	220.9	246.6
92.5°	0.0	53.6	135.1	199.4	223.0
95°	0.0	42.9	117.9	178.0	199.4
97.5°	0.0	36.5	105.1	158.7	182.3
100°	0.0	32.2	92.2	143.7	163.0
102.5°	0.0	30.0	83.6	128.7	148.0
105°	0.0	27.9	75.1	117.9	135.1



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CATALOG NUMBER: 4AWS-L3C3-UNV-3500K-MID

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	21.4	60.0	92.2	105.1
115°	0.0	21.4	55.8	85.8	96.5
117.5°	0.0	19.3	53.6	79.3	90.1
120°	0.0	17.2	49.3	75.1	85.8
122.5°	0.0	17.2	45.0	70.8	79.3
125°	2.1	15.0	42.9	64.3	72.9
127.5°	2.1	15.0	40.7	60.0	68.6
130°	2.1	12.9	36.5	55.8	62.2
132.5°	2.1	12.9	34.3	51.5	57.9
135°	2.1	12.9	32.2	47.2	53.6
137.5°	2.1	10.7	27.9	42.9	49.3
140°	2.1	10.7	25.7	38.6	45.0
142.5°	2.1	10.7	23.6	34.3	40.7
145°	2.1	8.6	21.4	32.2	34.3
147.5°	2.1	8.6	19.3	27.9	32.2
150°	2.1	6.4	17.2	23.6	27.9
152.5°	2.1	6.4	15.0	21.4	23.6
155°	2.1	6.4	12.9	19.3	21.4
157.5°	2.1	6.4	10.7	17.2	17.2
160°	2.1	4.3	8.6	12.9	15.0
162.5°	2.1	4.3	8.6	10.7	12.9
165°	2.1	4.3	6.4	8.6	10.7
167.5°	2.1	2.1	4.3	6.4	8.6
170°	2.1	2.1	4.3	4.3	6.4
172.5°	2.1	2.1	2.1	2.1	4.3
175°	2.1	2.1	2.1	2.1	2.1
177.5°	2.1	2.1	2.1	0.0	0.0
180°	2.1	2.1	2.1	2.1	2.1



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	25.7	70.8	107.2	124.4
110°	0.0	23.6	64.3	98.6	113.6



(END OF REPORT)