

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: P709866

Luminaire Tested: **4AWWS-L3C3-UNV-5000K-MID**

Issue Date: 9/26/2023



Test Information

Test Method: LM-79-08
Report Number: P709866
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-L3C3-UNV-5000K-MID
Description: 4foot, Wide Adapt Surface Wrap with, RD lens and MID lumen setting, 5000K, 80CRI

Light Source: -
Ballast/Driver: -

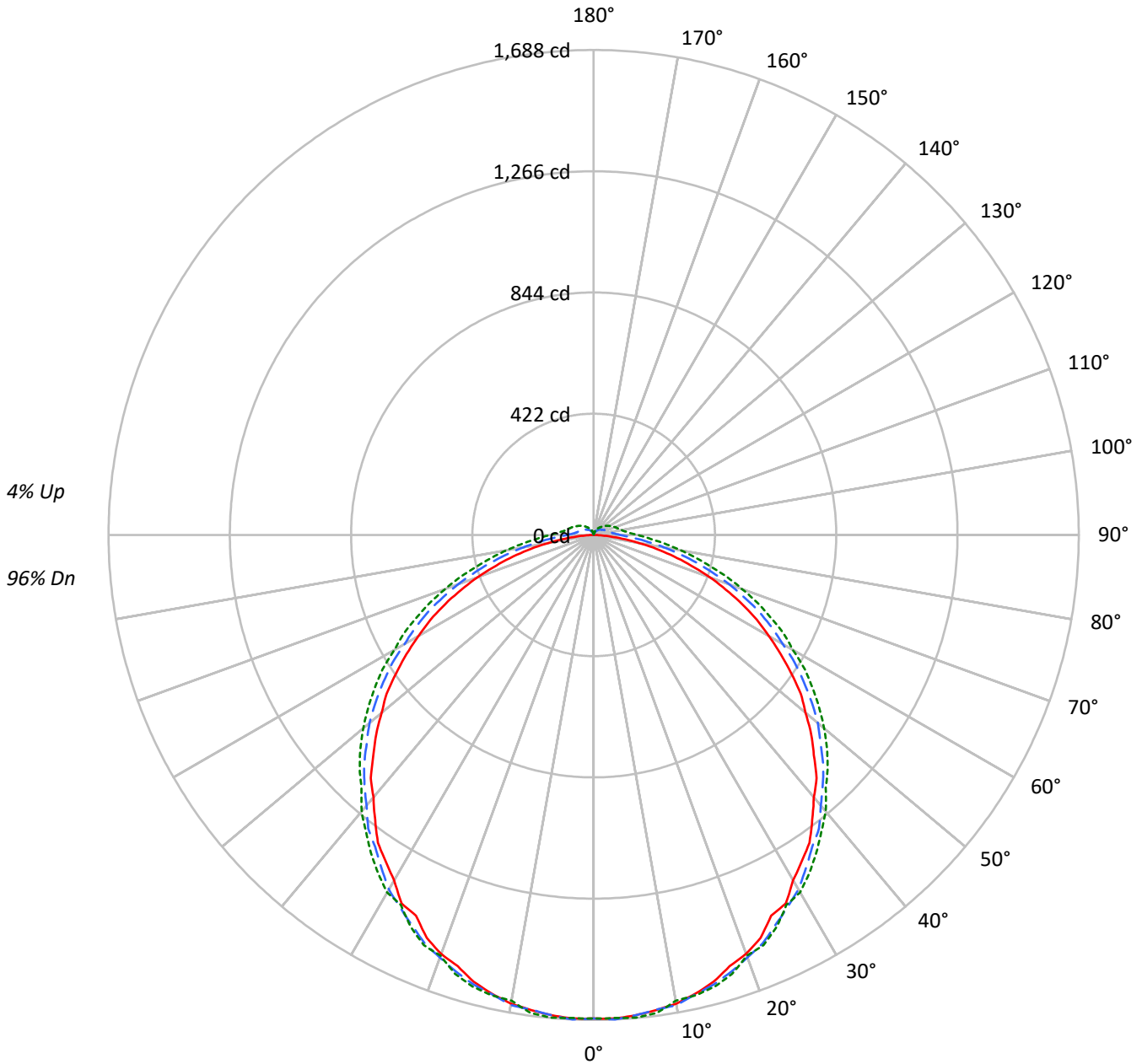
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5192.0 lumens
Efficiency: N/A
Efficacy: 129.8 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									
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	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96																			
1	107	102	97	93	104	99	95	91	94	91	88	90	87	84	85	83	81	79																			
2	97	89	81	76	94	86	80	74	82	77	72	78	74	70	74	71	67	65																			
3	88	78	69	62	85	76	68	62	72	65	60	69	63	58	66	61	57	54																			
4	81	69	60	53	78	67	59	52	64	57	51	61	55	50	58	53	49	46																			
5	74	61	52	45	72	60	51	45	57	50	44	55	48	43	52	47	42	40																			
6	68	55	46	39	66	54	45	39	52	44	38	49	43	38	47	42	37	35																			
7	63	50	41	35	61	49	40	34	47	39	34	45	38	33	43	37	33	31																			
8	59	45	37	31	57	45	36	31	43	35	30	41	35	30	40	34	29	27																			
9	55	42	33	28	53	41	33	28	39	32	27	38	32	27	37	31	26	25																			
10	52	38	30	25	50	38	30	25	36	29	25	35	29	24	34	28	24	22																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5884	5884	5884
5°	5866	5799	5814
10°	5832	5718	5640
15°	5758	5594	5584
20°	5677	5469	5395
25°	5521	5335	5302
30°	5458	5218	5186
35°	5410	5031	5041
40°	5238	4882	4892
45°	5123	4743	4725
50°	4963	4571	4576
55°	4800	4344	4386
60°	4561	4064	4130
65°	4298	3815	3900
70°	3908	3447	3589
75°	3330	2992	3205
80°	2509	2492	2862
85°	1334	1992	2553



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.8	3.1
10°-20°	456.6	8.8
20°-30°	689.0	13.3
30°-40°	831.5	16.0
40°-50°	866.6	16.7
50°-60°	794.3	15.3
60°-70°	622.9	12.0
70°-80°	385.1	7.4
80°-90°	163.3	3.1
90°-100°	71.5	1.4
100°-110°	50.8	1.0
110°-120°	38.1	0.7
120°-130°	27.2	0.5
130°-140°	17.9	0.3
140°-150°	10.6	0.2
150°-160°	5.1	0.1
160°-170°	1.7	0.0
170°-180°	0.2	0.0
0°-30°	1305.4	25.1
0°-40°	2137.0	41.2
0°-60°	3797.8	73.1
0°-90°	4969.0	95.7
90°-120°	160.3	3.1
90°-150°	216.0	4.2
90°-180°	223.0	4.3
0°-180°	5192.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1683	1683	1683	1683	1683	
5°	1678	1682	1678	1678	1687	159
15°	1611	1614	1619	1624	1628	454
25°	1462	1488	1498	1499	1506	680
35°	1308	1314	1325	1347	1351	814
45°	1084	1098	1130	1146	1152	837
55°	839	861	893	912	930	750
65°	571	593	636	662	679	563
75°	289	319	368	409	419	307
85°	51	91	150	194	213	64
90°	3	39	93	133	150	3
95°	0	25	68	101	116	0
105°	0	19	51	78	88	0
115°	0	15	40	62	71	0
125°	0	14	32	47	56	0
135°	0	10	25	36	42	0
145°	2	8	19	25	29	1
155°	2	5	12	17	19	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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CATALOG NUMBER: 4AWWS-L3C3-UNV-5000K-MID

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1683.3	1683.3	1683.3	1683.3	1683.3
2.5°	1685.0	1691.8	1688.4	1685.0	1683.3
5°	1678.3	1681.6	1678.3	1678.3	1686.7
7.5°	1668.1	1673.2	1666.4	1676.6	1678.3
10°	1656.3	1663.1	1661.4	1664.7	1646.2
12.5°	1636.0	1644.5	1637.7	1646.2	1641.1
15°	1610.7	1614.1	1619.2	1624.2	1627.6
17.5°	1573.6	1588.8	1593.8	1598.9	1602.3
20°	1551.6	1560.1	1565.1	1563.4	1558.4
22.5°	1517.9	1522.9	1538.1	1534.7	1544.9
25°	1462.1	1487.5	1497.6	1499.3	1506.0
27.5°	1446.9	1448.6	1460.5	1470.6	1452.0
30°	1387.9	1408.1	1425.0	1430.1	1436.8
32.5°	1347.3	1364.2	1374.3	1392.9	1396.3
35°	1308.5	1313.6	1325.4	1347.3	1350.7
37.5°	1249.4	1264.6	1288.2	1300.1	1301.7
40°	1192.0	1210.6	1229.1	1242.7	1256.2
42.5°	1148.1	1158.2	1180.2	1197.1	1195.4
45°	1083.9	1097.5	1129.5	1146.4	1151.5
47.5°	1026.5	1046.8	1070.4	1095.8	1100.8
50°	962.4	984.3	1018.1	1036.7	1046.8
52.5°	908.4	921.9	955.6	974.2	989.4
55°	839.1	861.1	893.2	911.7	930.3
57.5°	771.6	798.6	830.7	861.1	871.2
60°	704.1	731.1	759.8	793.5	800.3
62.5°	639.9	668.6	699.0	732.8	746.3
65°	570.7	592.6	636.5	661.8	678.7
67.5°	498.1	525.1	567.3	596.0	616.3
70°	430.5	460.9	501.5	536.9	548.7
72.5°	356.2	393.4	432.2	469.4	486.3
75°	288.7	319.1	368.1	408.6	418.7
77.5°	224.6	253.3	305.6	346.1	361.3
80°	157.0	192.5	248.2	288.7	307.3
82.5°	99.6	136.8	194.2	238.1	258.3
85°	50.7	91.2	150.3	194.2	212.7
87.5°	16.9	57.4	114.8	160.4	179.0
90°	3.4	38.8	92.9	133.4	150.3
92.5°	0.0	28.7	77.7	114.8	130.0
95°	0.0	25.3	67.5	101.3	116.5
97.5°	0.0	23.6	62.5	92.9	104.7
100°	0.0	21.9	57.4	86.1	97.9
102.5°	0.0	20.3	54.0	81.0	92.9
105°	0.0	18.6	50.7	77.7	87.8



TEST NUMBER: P709866

CATALOG NUMBER: 4AWWS-L3C3-UNV-5000K-MID

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	16.9	43.9	64.2	74.3
115°	0.0	15.2	40.5	62.5	70.9
117.5°	0.0	15.2	38.8	57.4	65.8
120°	0.0	13.5	35.5	54.0	62.5
122.5°	0.0	13.5	33.8	52.3	59.1
125°	0.0	13.5	32.1	47.3	55.7
127.5°	0.0	11.8	30.4	45.6	50.7
130°	0.0	11.8	28.7	42.2	47.3
132.5°	0.0	10.1	27.0	38.8	43.9
135°	0.0	10.1	25.3	35.5	42.2
137.5°	0.0	10.1	23.6	33.8	37.1
140°	0.0	8.4	21.9	30.4	35.5
142.5°	1.7	8.4	18.6	28.7	32.1
145°	1.7	8.4	18.6	25.3	28.7
147.5°	1.7	6.8	16.9	23.6	27.0
150°	1.7	6.8	15.2	20.3	23.6
152.5°	1.7	5.1	13.5	18.6	20.3
155°	1.7	5.1	11.8	16.9	18.6
157.5°	1.7	5.1	10.1	13.5	15.2
160°	1.7	3.4	8.4	11.8	13.5
162.5°	1.7	3.4	6.8	10.1	11.8
165°	1.7	3.4	5.1	8.4	8.4
167.5°	1.7	3.4	5.1	6.8	6.8
170°	1.7	1.7	3.4	5.1	5.1
172.5°	1.7	1.7	3.4	3.4	3.4
175°	1.7	1.7	1.7	1.7	3.4
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	18.6	49.0	72.6	82.7
110°	0.0	16.9	45.6	69.2	79.4



(END OF REPORT)