

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: P738730

Luminaire Tested: **4AWWS-L3C3-NUV-3500K-MID**

Issue Date: 2/13/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P738730  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2307-090-30)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/13/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4AWWS-L3C3-NUV-3500K-MID  
Description: 4foot, Wide Adapt Surface Wrap with, RD lens and MID lumen setting, 3500K, 80CRI  
  
Light Source: -  
Ballast/Driver: -

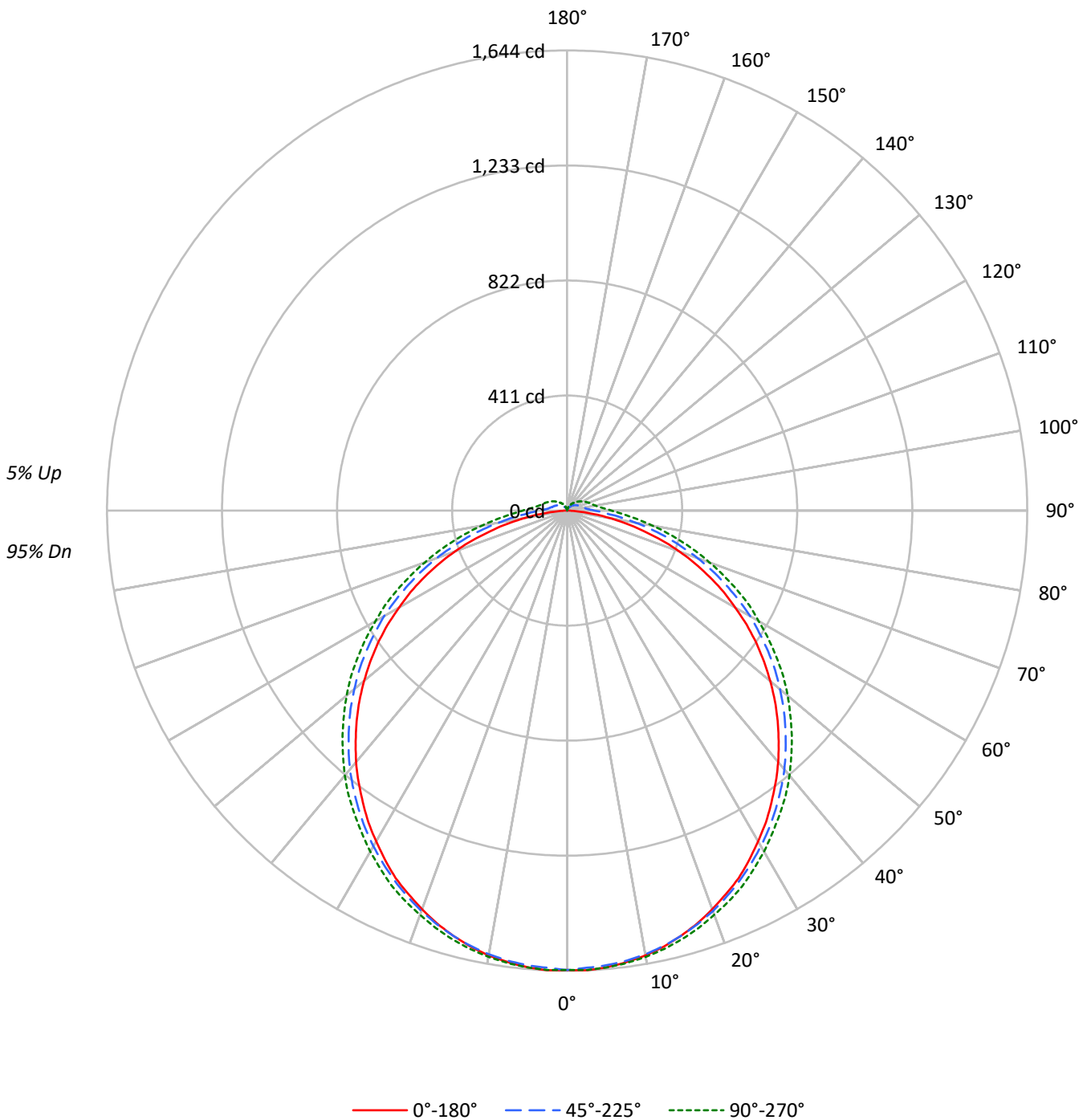
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5116.0 lumens  
Efficiency: N/A  
Efficacy: 124.8 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 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): 41  
Input Voltage (V): NR  
Input Current (Ain): 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: P738730

CATALOG NUMBER: 4AWWS-L3C3-NUV-3500K-MID

### 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	0
RCR																		
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	95
1	107	102	97	93	104	99	95	91	94	91	88	89	87	84	85	83	81	78
2	97	88	81	75	94	86	80	74	82	76	72	78	73	69	74	70	67	65
3	88	77	69	62	85	75	68	61	72	65	60	68	63	58	65	61	57	54
4	81	68	59	53	78	67	58	52	64	56	51	61	55	50	58	53	48	46
5	74	61	52	45	72	60	51	45	57	49	44	54	48	43	52	46	42	40
6	68	55	46	39	66	54	45	39	51	44	38	49	43	37	47	41	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	44	36	31	43	35	30	41	34	30	40	34	29	27
9	55	41	33	28	53	41	33	27	39	32	27	38	31	27	36	31	26	24
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°	5737	5737	5737
5°	5723	5633	5647
10°	5682	5540	5548
15°	5621	5434	5438
20°	5548	5321	5320
25°	5472	5197	5213
30°	5366	5070	5077
35°	5261	4935	4941
40°	5155	4796	4812
45°	5027	4631	4657
50°	4882	4456	4496
55°	4718	4262	4303
60°	4491	4043	4080
65°	4236	3745	3844
70°	3870	3409	3539
75°	3273	2999	3213
80°	2473	2486	2883
85°	1308	2035	2633



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	155.5	3.0
10°-20°	445.1	8.7
20°-30°	673.9	13.2
30°-40°	813.7	15.9
40°-50°	850.1	16.6
50°-60°	780.8	15.3
60°-70°	614.3	12.0
70°-80°	382.5	7.5
80°-90°	167.2	3.3
90°-100°	75.3	1.5
100°-110°	53.4	1.0
110°-120°	40.1	0.8
120°-130°	28.5	0.6
130°-140°	18.6	0.4
140°-150°	10.5	0.2
150°-160°	4.8	0.1
160°-170°	1.5	0.0
170°-180°	0.2	0.0
0°-30°	1274.5	24.9
0°-40°	2088.2	40.8
0°-60°	3719.0	72.7
0°-90°	4883.1	95.4
90°-120°	168.8	3.3
90°-150°	226.4	4.4
90°-180°	233.0	4.6
0°-180°	5116.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1641	1641	1641	1641	1641	
5°	1637	1637	1630	1637	1638	156
15°	1572	1574	1573	1583	1585	444
25°	1449	1452	1459	1474	1481	667
35°	1272	1283	1300	1318	1324	796
45°	1064	1080	1103	1124	1135	820
55°	825	847	876	904	913	736
65°	562	587	625	656	669	556
75°	284	319	369	405	420	303
85°	50	93	154	203	219	63
90°	1	41	97	142	159	2
95°	0	27	71	107	122	0
105°	1	21	54	81	91	1
115°	1	17	43	64	73	1
125°	1	14	34	50	57	1
135°	1	10	25	38	43	0
145°	1	7	17	27	30	0
155°	1	5	10	16	19	0
165°	1	3	5	7	9	0
175°	1	1	1	1	1	0
180°	1	1	1	1	1	



TEST NUMBER: P738730

CATALOG NUMBER: 4AWWS-L3C3-NUV-3500K-MID

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1641.3	1641.3	1641.3	1641.3	1641.3
2.5°	1643.9	1642.6	1634.9	1642.0	1642.6
5°	1637.4	1637.4	1630.3	1636.8	1638.1
7.5°	1627.1	1627.8	1622.0	1629.7	1630.3
10°	1613.6	1613.6	1609.7	1617.4	1619.4
12.5°	1595.5	1596.2	1592.9	1602.0	1603.9
15°	1572.3	1574.2	1572.9	1583.3	1585.2
17.5°	1546.5	1549.1	1549.1	1560.7	1563.3
20°	1516.2	1520.1	1522.6	1535.5	1536.8
22.5°	1482.7	1487.8	1491.7	1506.5	1510.4
25°	1449.1	1452.3	1458.8	1474.3	1480.7
27.5°	1407.8	1414.3	1422.7	1439.5	1444.0
30°	1364.6	1373.7	1384.6	1402.7	1406.6
32.5°	1321.4	1329.8	1344.0	1361.4	1365.3
35°	1272.4	1283.4	1300.1	1318.2	1324.0
37.5°	1224.0	1236.9	1254.4	1273.1	1282.7
40°	1173.1	1186.0	1207.3	1225.3	1235.7
42.5°	1118.3	1133.8	1155.7	1177.6	1185.4
45°	1063.5	1079.6	1102.8	1124.1	1135.1
47.5°	1006.7	1024.8	1049.9	1071.2	1081.5
50°	946.7	968.0	992.5	1017.7	1028.6
52.5°	886.8	907.4	936.4	963.5	973.2
55°	824.8	847.4	876.4	903.5	912.6
57.5°	761.0	782.3	813.9	842.3	852.6
60°	693.3	720.4	755.8	782.3	790.7
62.5°	630.7	653.9	688.8	719.1	733.9
65°	562.4	586.9	624.9	656.5	668.8
67.5°	494.0	518.5	561.1	592.7	604.3
70°	426.3	450.2	495.9	528.2	541.1
72.5°	354.7	383.7	427.6	466.9	480.5
75°	283.8	318.6	368.9	405.0	419.8
77.5°	219.9	254.1	305.7	348.3	363.7
80°	154.8	191.5	247.6	290.9	309.6
82.5°	97.4	138.0	198.0	244.4	260.5
85°	49.7	92.9	153.5	203.1	219.3
87.5°	14.8	60.0	122.5	168.3	185.1
90°	0.6	40.6	97.4	141.9	158.6
92.5°	0.6	31.0	81.3	121.2	136.7
95°	0.0	27.1	70.9	107.1	121.9
97.5°	0.0	25.2	65.1	97.4	110.3
100°	0.0	23.2	60.6	90.9	102.5
102.5°	0.6	21.9	56.8	85.8	96.1
105°	0.6	20.6	53.5	80.6	90.9
107.5°	0.6	19.3	50.9	76.7	86.4
110°	0.6	18.7	48.4	72.2	81.9



TEST NUMBER: P738730

CATALOG NUMBER: 4AWWS-L3C3-NUV-3500K-MID

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	17.4	45.1	68.4	77.4
115°	0.6	16.8	42.6	64.5	72.9
117.5°	0.6	16.1	40.6	60.6	69.0
120°	0.6	15.5	38.0	57.4	65.1
122.5°	0.6	14.2	36.1	53.5	60.6
125°	0.6	13.5	34.2	50.3	57.4
127.5°	0.6	12.9	31.6	47.1	53.5
130°	0.6	11.6	29.7	44.5	49.7
132.5°	0.6	11.0	27.7	41.3	46.4
135°	0.6	10.3	25.2	38.0	42.6
137.5°	0.6	9.0	23.2	35.5	39.3
140°	0.6	8.4	21.3	32.2	36.1
142.5°	0.6	7.7	18.7	29.7	32.9
145°	0.6	7.1	16.8	27.1	29.7
147.5°	0.6	6.4	14.8	24.5	27.1
150°	0.6	5.8	13.5	21.9	23.9
152.5°	0.6	5.2	11.6	18.7	21.3
155°	0.6	5.2	10.3	16.1	18.7
157.5°	1.3	4.5	9.0	13.5	16.1
160°	0.6	3.9	7.1	11.0	13.5
162.5°	1.3	3.2	6.4	9.0	11.6
165°	1.3	2.6	5.2	7.1	9.0
167.5°	1.3	1.9	3.9	5.2	7.1
170°	1.3	1.9	3.2	3.9	5.2
172.5°	1.3	1.3	1.9	2.6	3.2
175°	1.3	1.3	1.3	1.3	1.3
177.5°	1.3	1.3	0.6	0.6	0.6
180°	0.6	0.6	0.6	0.6	0.6

(END OF REPORT)