

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: P709863

Luminaire Tested: **4AWWS-L3C3-UNV-4000K-MID**

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709863
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-4000K-MID
Description: 4foot, Wide Adapt Surface Wrap with, RD lens and MID lumen setting, 4000K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

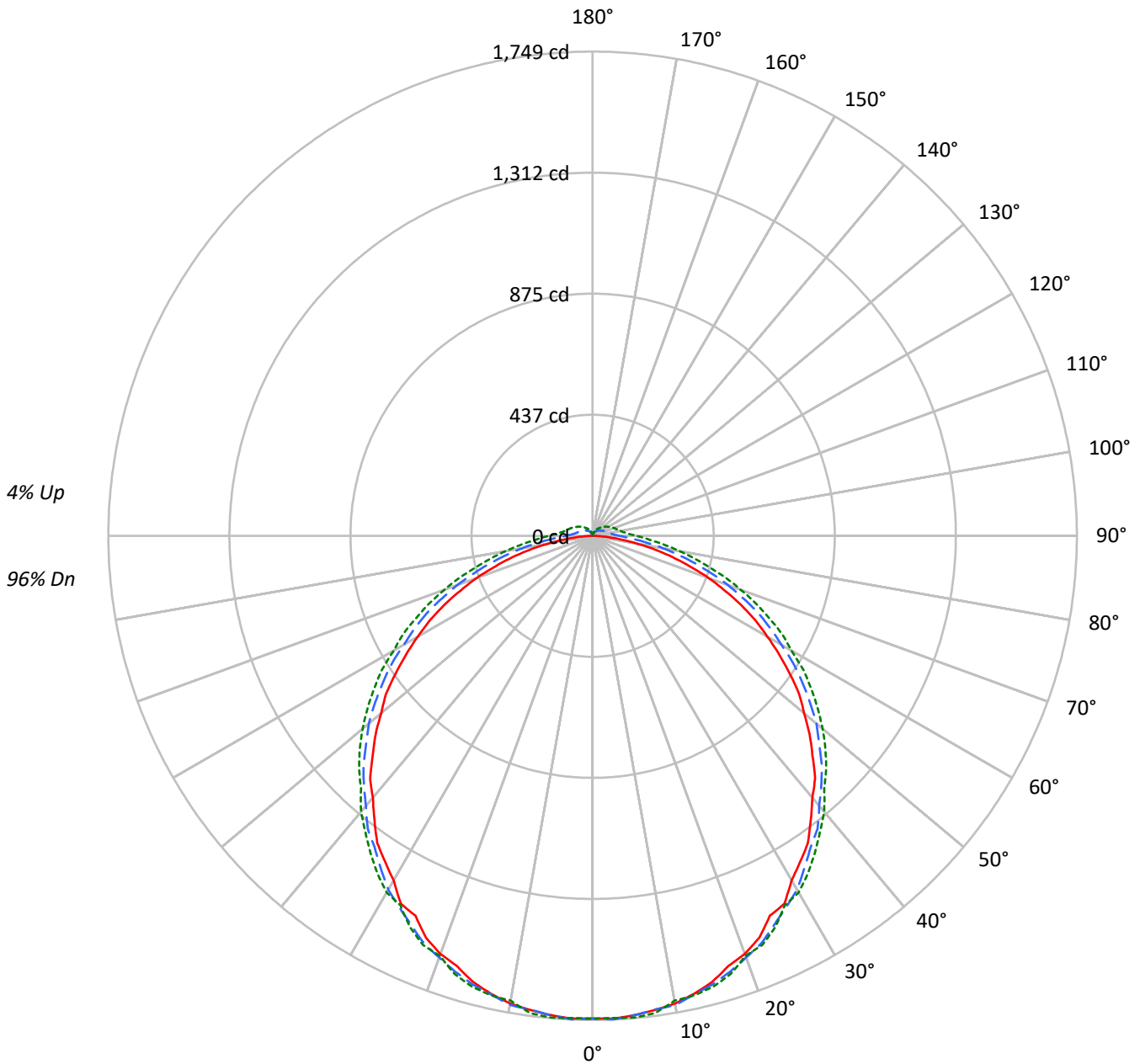
Lumens per Lamp: N/A
Luminaire Lumens: 5378.0 lumens
Efficiency: N/A
Efficacy: 141.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.27 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 3.71' x H: 0.17')
CIE Type: Direct

Input Watts (W): 38
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°	6095	6095	6095
5°	6076	6007	6023
10°	6041	5923	5841
15°	5965	5794	5784
20°	5881	5665	5588
25°	5719	5526	5492
30°	5653	5405	5372
35°	5604	5212	5222
40°	5426	5058	5067
45°	5307	4913	4894
50°	5141	4735	4740
55°	4972	4500	4543
60°	4724	4210	4278
65°	4452	3951	4040
70°	4049	3570	3717
75°	3450	3100	3320
80°	2598	2581	2964
85°	1382	2063	2646



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.5	3.1
10°-20°	473.0	8.8
20°-30°	713.7	13.3
30°-40°	861.3	16.0
40°-50°	897.6	16.7
50°-60°	822.7	15.3
60°-70°	645.2	12.0
70°-80°	398.9	7.4
80°-90°	169.1	3.1
90°-100°	74.1	1.4
100°-110°	52.6	1.0
110°-120°	39.4	0.7
120°-130°	28.1	0.5
130°-140°	18.5	0.3
140°-150°	11.0	0.2
150°-160°	5.2	0.1
160°-170°	1.7	0.0
170°-180°	0.2	0.0
0°-30°	1352.2	25.1
0°-40°	2213.5	41.2
0°-60°	3933.8	73.1
0°-90°	5147.0	95.7
90°-120°	166.1	3.1
90°-150°	223.7	4.2
90°-180°	231.0	4.3
0°-180°	5378.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1744	1744	1744	1744	1744	
5°	1738	1742	1738	1738	1747	165
15°	1668	1672	1677	1682	1686	470
25°	1514	1541	1551	1553	1560	705
35°	1355	1361	1373	1396	1399	843
45°	1123	1137	1170	1188	1193	867
55°	869	892	925	944	964	776
65°	591	614	659	686	703	583
75°	299	330	381	423	434	318
85°	52	94	156	201	220	67
90°	4	40	96	138	156	3
95°	0	26	70	105	121	0
105°	0	19	52	80	91	0
115°	0	16	42	65	74	0
125°	0	14	33	49	58	0
135°	0	10	26	37	44	0
145°	2	9	19	26	30	1
155°	2	5	12	18	19	1
165°	2	4	5	9	9	0
175°	2	2	2	2	4	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1743.6	1743.6	1743.6	1743.6	1743.6
2.5°	1745.4	1752.4	1748.9	1745.4	1743.6
5°	1738.4	1741.9	1738.4	1738.4	1747.1
7.5°	1727.9	1733.1	1726.1	1736.6	1738.4
10°	1715.6	1722.6	1720.9	1724.4	1705.1
12.5°	1694.7	1703.4	1696.4	1705.1	1699.9
15°	1668.4	1671.9	1677.2	1682.4	1685.9
17.5°	1629.9	1645.7	1650.9	1656.2	1659.7
20°	1607.2	1616.0	1621.2	1619.5	1614.2
22.5°	1572.2	1577.5	1593.2	1589.7	1600.2
25°	1514.5	1540.8	1551.2	1553.0	1560.0
27.5°	1498.8	1500.5	1512.8	1523.3	1504.0
30°	1437.6	1458.6	1476.0	1481.3	1488.3
32.5°	1395.6	1413.1	1423.6	1442.8	1446.3
35°	1355.4	1360.6	1372.9	1395.6	1399.1
37.5°	1294.2	1309.9	1334.4	1346.6	1348.4
40°	1234.7	1253.9	1273.2	1287.2	1301.2
42.5°	1189.2	1199.7	1222.5	1239.9	1238.2
45°	1122.8	1136.8	1170.0	1187.5	1192.7
47.5°	1063.3	1084.3	1108.8	1135.0	1140.3
50°	996.9	1019.6	1054.6	1073.8	1084.3
52.5°	940.9	954.9	989.9	1009.1	1024.8
55°	869.2	891.9	925.2	944.4	963.6
57.5°	799.2	827.2	860.4	891.9	902.4
60°	729.3	757.3	787.0	822.0	829.0
62.5°	662.8	692.6	724.0	759.0	773.0
65°	591.1	613.9	659.3	685.6	703.0
67.5°	515.9	543.9	587.6	617.4	638.3
70°	446.0	477.4	519.4	556.1	568.4
72.5°	369.0	407.5	447.7	486.2	503.7
75°	299.1	330.5	381.3	423.2	433.7
77.5°	232.6	262.3	316.5	358.5	374.3
80°	162.6	199.4	257.1	299.1	318.3
82.5°	103.2	141.7	201.1	246.6	267.6
85°	52.5	94.4	155.6	201.1	220.4
87.5°	17.5	59.5	118.9	166.1	185.4
90°	3.5	40.2	96.2	138.2	155.6
92.5°	0.0	29.7	80.4	118.9	134.7
95°	0.0	26.2	70.0	104.9	120.7
97.5°	0.0	24.5	64.7	96.2	108.4
100°	0.0	22.7	59.5	89.2	101.4
102.5°	0.0	21.0	56.0	83.9	96.2
105°	0.0	19.2	52.5	80.4	90.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	17.5	45.5	66.5	77.0
115°	0.0	15.7	42.0	64.7	73.5
117.5°	0.0	15.7	40.2	59.5	68.2
120°	0.0	14.0	36.7	56.0	64.7
122.5°	0.0	14.0	35.0	54.2	61.2
125°	0.0	14.0	33.2	49.0	57.7
127.5°	0.0	12.2	31.5	47.2	52.5
130°	0.0	12.2	29.7	43.7	49.0
132.5°	0.0	10.5	28.0	40.2	45.5
135°	0.0	10.5	26.2	36.7	43.7
137.5°	0.0	10.5	24.5	35.0	38.5
140°	0.0	8.7	22.7	31.5	36.7
142.5°	1.7	8.7	19.2	29.7	33.2
145°	1.7	8.7	19.2	26.2	29.7
147.5°	1.7	7.0	17.5	24.5	28.0
150°	1.7	7.0	15.7	21.0	24.5
152.5°	1.7	5.2	14.0	19.2	21.0
155°	1.7	5.2	12.2	17.5	19.2
157.5°	1.7	5.2	10.5	14.0	15.7
160°	1.7	3.5	8.7	12.2	14.0
162.5°	1.7	3.5	7.0	10.5	12.2
165°	1.7	3.5	5.2	8.7	8.7
167.5°	1.7	3.5	5.2	7.0	7.0
170°	1.7	1.7	3.5	5.2	5.2
172.5°	1.7	1.7	3.5	3.5	3.5
175°	1.7	1.7	1.7	1.7	3.5
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	19.2	50.7	75.2	85.7
110°	0.0	17.5	47.2	71.7	82.2



(END OF REPORT)