

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: P738733

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

Issue Date: 2/13/2024



Test Information

Test Method: LM-79-08
Report Number: P738733
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-4000K-MID
Description: 4foot, Wide Adapt Surface Wrap with, RD lens and MID lumen setting, 4000K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

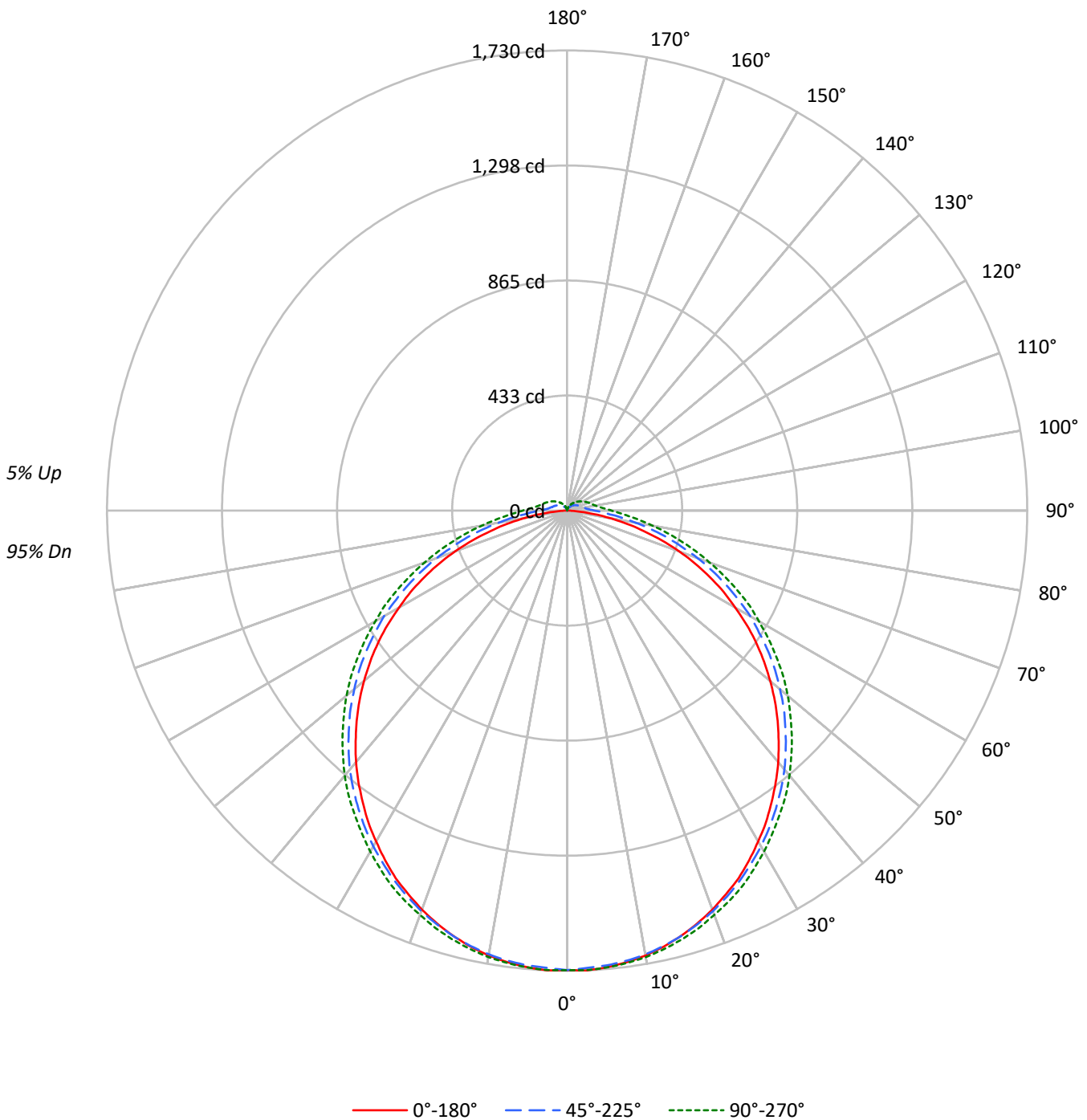
Lumens per Lamp: N/A
Luminaire Lumens: 5385.0 lumens
Efficiency: N/A
Efficacy: 138.1 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.27 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 3.71' x H: 0.17')
CIE Type: Direct

Input Watts (W): 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	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°	6039	6039	6039
5°	6023	5930	5944
10°	5980	5832	5839
15°	5917	5720	5724
20°	5839	5601	5600
25°	5760	5470	5487
30°	5648	5337	5344
35°	5538	5195	5201
40°	5426	5048	5064
45°	5291	4874	4902
50°	5139	4691	4733
55°	4966	4486	4529
60°	4726	4256	4295
65°	4458	3942	4045
70°	4073	3588	3725
75°	3445	3157	3383
80°	2603	2617	3034
85°	1377	2142	2771



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.6	3.0
10°-20°	468.5	8.7
20°-30°	709.3	13.2
30°-40°	856.5	15.9
40°-50°	894.8	16.6
50°-60°	821.8	15.3
60°-70°	646.6	12.0
70°-80°	402.7	7.5
80°-90°	176.0	3.3
90°-100°	79.3	1.5
100°-110°	56.2	1.0
110°-120°	42.2	0.8
120°-130°	30.0	0.6
130°-140°	19.5	0.4
140°-150°	11.1	0.2
150°-160°	5.1	0.1
160°-170°	1.6	0.0
170°-180°	0.2	0.0
0°-30°	1341.5	24.9
0°-40°	2198.0	40.8
0°-60°	3914.6	72.7
0°-90°	5139.8	95.4
90°-120°	177.7	3.3
90°-150°	238.3	4.4
90°-180°	245.0	4.5
0°-180°	5385.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1728	1728	1728	1728	1728	
5°	1724	1724	1716	1723	1724	164
15°	1655	1657	1656	1666	1669	467
25°	1525	1529	1536	1552	1559	702
35°	1339	1351	1368	1388	1394	838
45°	1119	1136	1161	1183	1195	863
55°	868	892	922	951	960	775
65°	592	618	658	691	704	585
75°	299	335	388	426	442	319
85°	52	98	162	214	231	66
90°	1	43	102	149	167	2
95°	0	28	75	113	128	0
105°	1	22	56	85	96	1
115°	1	18	45	68	77	1
125°	1	14	36	53	60	1
135°	1	11	26	40	45	1
145°	1	8	18	28	31	0
155°	1	5	11	17	20	0
165°	1	3	5	8	10	0
175°	1	1	1	1	1	0
180°	1	1	1	1	1	



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CATALOG NUMBER: 4AWWS-L3C3-NUV-4000K-MID

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1727.6	1727.6	1727.6	1727.6	1727.6
2.5°	1730.3	1729.0	1720.8	1728.3	1729.0
5°	1723.5	1723.5	1716.1	1722.9	1724.2
7.5°	1712.7	1713.4	1707.2	1715.4	1716.1
10°	1698.4	1698.4	1694.3	1702.5	1704.5
12.5°	1679.4	1680.1	1676.7	1686.2	1688.2
15°	1655.0	1657.0	1655.7	1666.5	1668.6
17.5°	1627.8	1630.5	1630.5	1642.8	1645.5
20°	1595.9	1600.0	1602.7	1616.3	1617.6
22.5°	1560.6	1566.0	1570.1	1585.7	1589.8
25°	1525.3	1528.7	1535.5	1551.8	1558.6
27.5°	1481.9	1488.7	1497.5	1515.1	1519.9
30°	1436.4	1445.9	1457.4	1476.4	1480.5
32.5°	1390.9	1399.7	1414.7	1433.0	1437.1
35°	1339.3	1350.9	1368.5	1387.5	1393.6
37.5°	1288.4	1302.0	1320.3	1340.0	1350.2
40°	1234.8	1248.4	1270.8	1289.8	1300.6
42.5°	1177.1	1193.4	1216.5	1239.5	1247.7
45°	1119.4	1136.4	1160.8	1183.2	1194.7
47.5°	1059.6	1078.7	1105.1	1127.5	1138.4
50°	996.5	1018.9	1044.7	1071.2	1082.7
52.5°	933.4	955.1	985.7	1014.2	1024.3
55°	868.2	892.0	922.5	951.0	960.5
57.5°	801.0	823.4	856.7	886.5	897.4
60°	729.7	758.2	795.6	823.4	832.2
62.5°	663.9	688.3	725.0	756.9	772.5
65°	591.9	617.7	657.8	691.0	703.9
67.5°	520.0	545.8	590.6	623.8	636.1
70°	448.7	473.8	522.0	556.0	569.5
72.5°	373.4	403.9	450.1	491.5	505.7
75°	298.7	335.3	388.3	426.3	441.9
77.5°	231.5	267.5	321.8	366.6	382.9
80°	162.9	201.6	260.7	306.1	325.8
82.5°	102.5	145.3	208.4	257.3	274.2
85°	52.3	97.8	161.6	213.8	230.8
87.5°	15.6	63.1	129.0	177.2	194.8
90°	0.7	42.8	102.5	149.3	167.0
92.5°	0.7	32.6	85.5	127.6	143.9
95°	0.0	28.5	74.7	112.7	128.3
97.5°	0.0	26.5	68.6	102.5	116.1
100°	0.0	24.4	63.8	95.7	107.9
102.5°	0.7	23.1	59.7	90.3	101.1
105°	0.7	21.7	56.3	84.9	95.7
107.5°	0.7	20.4	53.6	80.8	91.0
110°	0.7	19.7	50.9	76.0	86.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.7	18.3	47.5	72.0	81.5
115°	0.7	17.6	44.8	67.9	76.7
117.5°	0.7	17.0	42.8	63.8	72.6
120°	0.7	16.3	40.1	60.4	68.6
122.5°	0.7	14.9	38.0	56.3	63.8
125°	0.7	14.3	36.0	52.9	60.4
127.5°	0.7	13.6	33.3	49.6	56.3
130°	0.7	12.2	31.2	46.8	52.3
132.5°	0.7	11.5	29.2	43.4	48.9
135°	0.7	10.9	26.5	40.1	44.8
137.5°	0.7	9.5	24.4	37.3	41.4
140°	0.7	8.8	22.4	33.9	38.0
142.5°	0.7	8.1	19.7	31.2	34.6
145°	0.7	7.5	17.6	28.5	31.2
147.5°	0.7	6.8	15.6	25.8	28.5
150°	0.7	6.1	14.3	23.1	25.1
152.5°	0.7	5.4	12.2	19.7	22.4
155°	0.7	5.4	10.9	17.0	19.7
157.5°	1.4	4.8	9.5	14.3	17.0
160°	0.7	4.1	7.5	11.5	14.3
162.5°	1.4	3.4	6.8	9.5	12.2
165°	1.4	2.7	5.4	7.5	9.5
167.5°	1.4	2.0	4.1	5.4	7.5
170°	1.4	2.0	3.4	4.1	5.4
172.5°	1.4	1.4	2.0	2.7	3.4
175°	1.4	1.4	1.4	1.4	1.4
177.5°	1.4	1.4	0.7	0.7	0.7
180°	0.7	0.7	0.7	0.7	0.7

(END OF REPORT)