

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: P738736

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

Issue Date: 2/13/2024



Test Information

Test Method: LM-79-08
Report Number: P738736
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-5000K-MID
Description: 4foot, Wide Adapt Surface Wrap with, RD lens and MID lumen setting, 5000K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

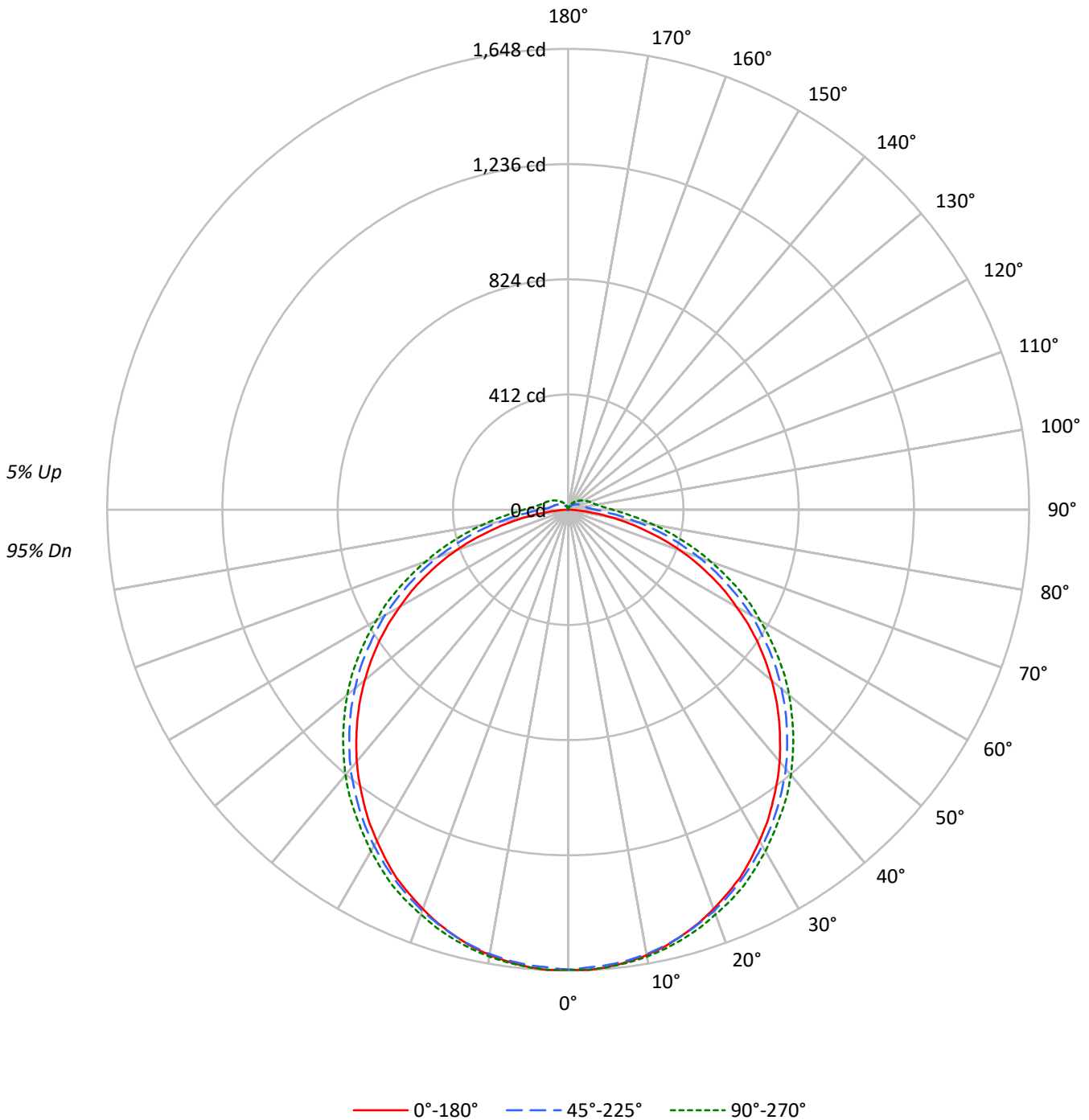
Lumens per Lamp: N/A
Luminaire Lumens: 5127.9 lumens
Efficiency: N/A
Efficacy: 125.1 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.27 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 3.71' x H: 0.17')
CIE Type: Direct

Input Watts (W): 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

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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°	5751	5751	5751
5°	5736	5647	5660
10°	5695	5554	5561
15°	5634	5447	5451
20°	5561	5333	5333
25°	5485	5209	5225
30°	5379	5082	5089
35°	5273	4947	4953
40°	5167	4807	4823
45°	5039	4642	4668
50°	4894	4467	4507
55°	4729	4272	4313
60°	4501	4052	4090
65°	4245	3754	3852
70°	3879	3417	3547
75°	3280	3006	3221
80°	2478	2492	2890
85°	1311	2039	2639



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.8	3.0
10°-20°	446.1	8.7
20°-30°	675.5	13.2
30°-40°	815.6	15.9
40°-50°	852.1	16.6
50°-60°	782.6	15.3
60°-70°	615.8	12.0
70°-80°	383.4	7.5
80°-90°	167.6	3.3
90°-100°	75.5	1.5
100°-110°	53.5	1.0
110°-120°	40.2	0.8
120°-130°	28.6	0.6
130°-140°	18.6	0.4
140°-150°	10.5	0.2
150°-160°	4.9	0.1
160°-170°	1.5	0.0
170°-180°	0.2	0.0
0°-30°	1277.5	24.9
0°-40°	2093.1	40.8
0°-60°	3727.7	72.7
0°-90°	4894.5	95.4
90°-120°	169.2	3.3
90°-150°	226.9	4.4
90°-180°	233.0	4.5
0°-180°	5127.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1645	1645	1645	1645	1645	
5°	1641	1641	1634	1641	1642	156
15°	1576	1578	1577	1587	1589	445
25°	1452	1456	1462	1478	1484	668
35°	1275	1286	1303	1321	1327	798
45°	1066	1082	1105	1127	1138	822
55°	827	849	878	906	915	738
65°	564	588	626	658	670	557
75°	284	319	370	406	421	303
85°	50	93	154	204	220	63
90°	1	41	98	142	159	2
95°	0	27	71	107	122	0
105°	1	21	54	81	91	1
115°	1	17	43	65	73	1
125°	1	14	34	50	58	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	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1645.2	1645.2	1645.2	1645.2	1645.2
2.5°	1647.7	1646.5	1638.7	1645.8	1646.5
5°	1641.3	1641.3	1634.2	1640.6	1641.9
7.5°	1630.9	1631.6	1625.8	1633.5	1634.2
10°	1617.4	1617.4	1613.5	1621.2	1623.2
12.5°	1599.3	1599.9	1596.7	1605.7	1607.7
15°	1576.0	1577.9	1576.6	1587.0	1588.9
17.5°	1550.1	1552.7	1552.7	1564.4	1566.9
20°	1519.8	1523.6	1526.2	1539.1	1540.4
22.5°	1486.1	1491.3	1495.2	1510.1	1513.9
25°	1452.5	1455.8	1462.2	1477.7	1484.2
27.5°	1411.2	1417.6	1426.0	1442.8	1447.4
30°	1367.8	1376.9	1387.9	1406.0	1409.9
32.5°	1324.5	1332.9	1347.2	1364.6	1368.5
35°	1275.4	1286.4	1303.2	1321.3	1327.1
37.5°	1226.9	1239.8	1257.3	1276.0	1285.7
40°	1175.9	1188.8	1210.1	1228.2	1238.6
42.5°	1120.9	1136.4	1158.4	1180.4	1188.1
45°	1066.0	1082.1	1105.4	1126.7	1137.7
47.5°	1009.1	1027.2	1052.4	1073.7	1084.1
50°	949.0	970.3	994.9	1020.1	1031.1
52.5°	888.8	909.5	938.6	965.8	975.5
55°	826.8	849.4	878.5	905.6	914.7
57.5°	762.8	784.1	815.8	844.2	854.6
60°	694.9	722.1	757.6	784.1	792.5
62.5°	632.2	655.5	690.4	720.8	735.6
65°	563.7	588.2	626.4	658.1	670.3
67.5°	495.2	519.7	562.4	594.1	605.7
70°	427.3	451.2	497.1	529.4	542.4
72.5°	355.5	384.6	428.6	468.0	481.6
75°	284.4	319.3	369.8	406.0	420.8
77.5°	220.4	254.7	306.4	349.1	364.6
80°	155.1	192.0	248.2	291.5	310.3
82.5°	97.6	138.3	198.5	245.0	261.2
85°	49.8	93.1	153.8	203.6	219.8
87.5°	14.9	60.1	122.8	168.7	185.5
90°	0.6	40.7	97.6	142.2	159.0
92.5°	0.6	31.0	81.4	121.5	137.0
95°	0.0	27.1	71.1	107.3	122.2
97.5°	0.0	25.2	65.3	97.6	110.5
100°	0.0	23.3	60.8	91.1	102.8
102.5°	0.6	22.0	56.9	86.0	96.3
105°	0.6	20.7	53.7	80.8	91.1
107.5°	0.6	19.4	51.1	76.9	86.6
110°	0.6	18.7	48.5	72.4	82.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	17.5	45.2	68.5	77.6
115°	0.6	16.8	42.7	64.6	73.0
117.5°	0.6	16.2	40.7	60.8	69.2
120°	0.6	15.5	38.1	57.5	65.3
122.5°	0.6	14.2	36.2	53.7	60.8
125°	0.6	13.6	34.3	50.4	57.5
127.5°	0.6	12.9	31.7	47.2	53.7
130°	0.6	11.6	29.7	44.6	49.8
132.5°	0.6	11.0	27.8	41.4	46.5
135°	0.6	10.3	25.2	38.1	42.7
137.5°	0.6	9.0	23.3	35.6	39.4
140°	0.6	8.4	21.3	32.3	36.2
142.5°	0.6	7.8	18.7	29.7	33.0
145°	0.6	7.1	16.8	27.1	29.7
147.5°	0.6	6.5	14.9	24.6	27.1
150°	0.6	5.8	13.6	22.0	23.9
152.5°	0.6	5.2	11.6	18.7	21.3
155°	0.6	5.2	10.3	16.2	18.7
157.5°	1.3	4.5	9.0	13.6	16.2
160°	0.6	3.9	7.1	11.0	13.6
162.5°	1.3	3.2	6.5	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)