

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: P738721

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

Issue Date: 2/13/2024



Test Information

Test Method: LM-79-08
Report Number: P738721
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2307-090-19)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/13/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4AWS-L3C3-NUV-3500K-MID
Description: 4foot, Adapt Surface Wrap with, RD lens and MID lumen setting,
3500K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

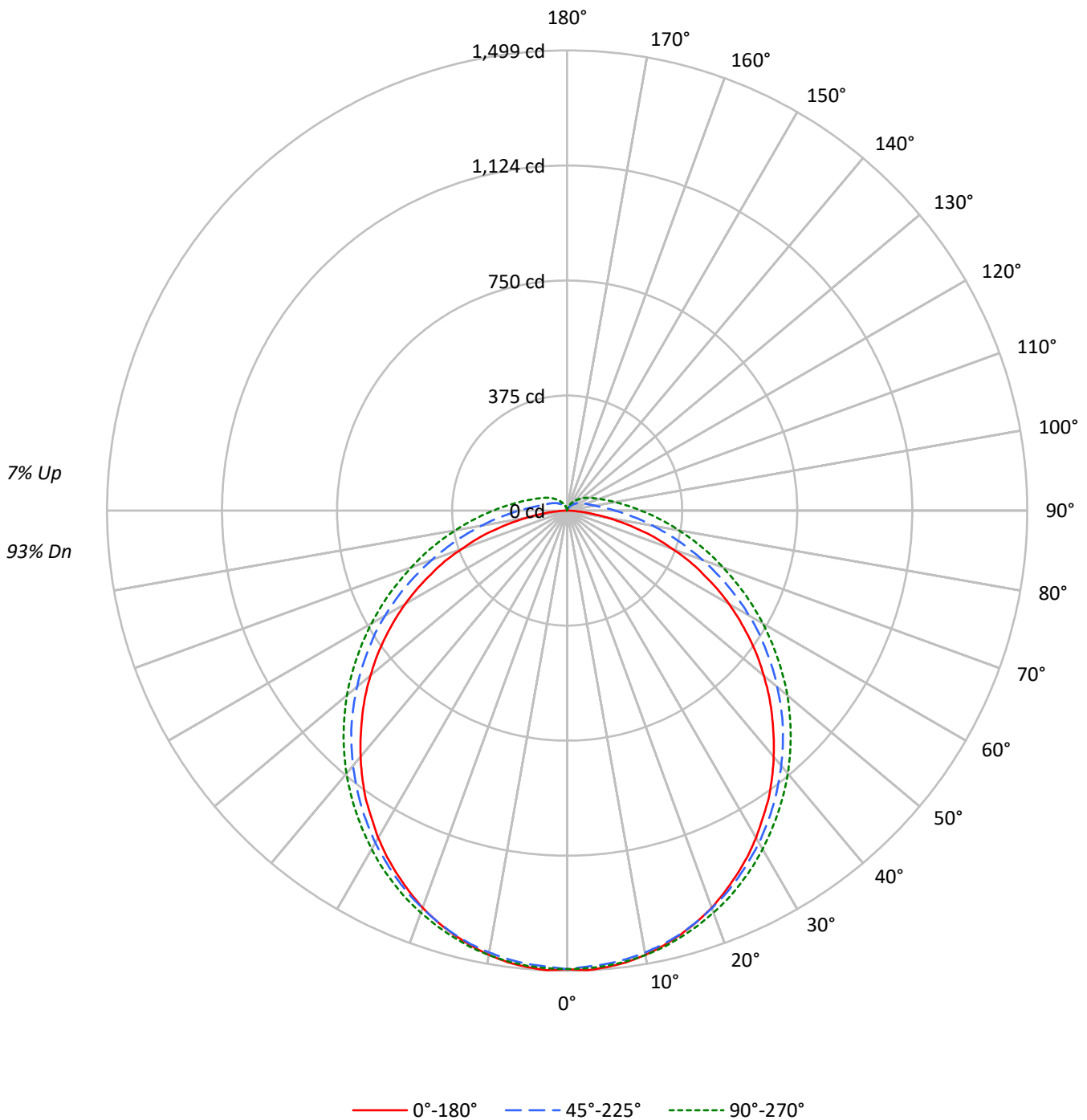
Lumens per Lamp: N/A
Luminaire Lumens: 4847.0 lumens
Efficiency: N/A
Efficacy: 118.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.27 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 3.71' x H: 0.12')
CIE Type: Direct

Input Watts (W): 41
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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93
1	106	101	96	92	102	98	93	89	92	89	85	87	84	82	82	80	78	75
2	96	87	80	74	93	85	78	72	80	74	70	76	71	67	72	68	65	62
3	87	76	68	61	84	74	66	60	70	63	58	66	61	56	63	58	54	52
4	80	67	58	51	77	65	57	51	62	55	49	59	53	48	56	51	46	44
5	73	60	51	44	71	58	50	43	56	48	42	53	46	41	50	45	40	38
6	68	54	45	38	65	53	44	38	50	43	37	48	41	36	46	40	35	33
7	63	49	40	34	60	48	39	33	46	38	33	44	37	32	42	36	31	29
8	58	45	36	30	56	44	35	30	42	34	29	40	33	29	38	32	28	26
9	54	41	33	27	53	40	32	27	38	31	26	37	30	26	35	29	25	23
10	51	38	30	24	49	37	29	24	35	28	24	34	28	23	33	27	23	21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9420	9420	9420
5°	9424	9218	9213
10°	9357	9031	9002
15°	9254	8830	8775
20°	9136	8603	8545
25°	8970	8371	8308
30°	8800	8130	8062
35°	8615	7874	7807
40°	8391	7609	7554
45°	8151	7344	7286
50°	7899	7031	7013
55°	7617	6703	6701
60°	7276	6357	6395
65°	6815	5948	6090
70°	6173	5514	5800
75°	5384	5092	5575
80°	4051	4704	5397
85°	2288	4518	5429



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.4	2.9
10°-20°	404.1	8.3
20°-30°	609.8	12.6
30°-40°	733.6	15.1
40°-50°	764.6	15.8
50°-60°	703.9	14.5
60°-70°	564.6	11.6
70°-80°	383.1	7.9
80°-90°	215.5	4.4
90°-100°	120.0	2.5
100°-110°	76.3	1.6
110°-120°	52.5	1.1
120°-130°	35.7	0.7
130°-140°	22.2	0.5
140°-150°	12.1	0.3
150°-160°	5.4	0.1
160°-170°	1.9	0.0
170°-180°	0.3	0.0
0°-30°	1155.3	23.8
0°-40°	1888.9	39.0
0°-60°	3357.3	69.3
0°-90°	4520.5	93.3
90°-120°	248.7	5.1
90°-150°	318.8	6.6
90°-180°	326.0	6.7
0°-180°	4847.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1494	1494	1494	1494	1494	
5°	1493	1491	1482	1490	1488	142
15°	1430	1430	1427	1438	1438	403
25°	1308	1314	1319	1336	1339	603
35°	1144	1154	1171	1194	1199	715
45°	943	965	994	1020	1030	728
55°	725	751	790	826	836	648
65°	488	522	576	618	636	484
75°	248	296	371	430	452	262
85°	43	116	210	275	299	55
90°	2	67	155	217	240	3
95°	0	43	117	174	194	0
105°	0	28	75	116	132	0
115°	1	21	56	85	96	1
125°	1	16	42	64	72	1
135°	2	11	29	46	52	1
145°	2	8	19	31	35	1
155°	3	6	11	17	21	1
165°	4	4	6	8	10	1
175°	4	3	3	2	3	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1493.6	1493.6	1493.6	1493.6	1493.6
2.5°	1498.8	1495.3	1487.1	1494.0	1492.3
5°	1492.7	1490.6	1482.4	1490.2	1488.4
7.5°	1484.1	1481.1	1474.1	1482.8	1481.1
10°	1469.4	1467.6	1461.6	1471.1	1470.2
12.5°	1451.2	1450.8	1446.9	1455.9	1456.4
15°	1429.5	1430.4	1427.4	1438.2	1437.8
17.5°	1404.9	1404.4	1404.4	1417.0	1417.4
20°	1377.2	1378.5	1378.5	1392.3	1394.0
22.5°	1343.4	1347.3	1350.7	1365.5	1368.9
25°	1308.3	1313.5	1319.1	1335.6	1339.1
27.5°	1271.5	1278.0	1284.9	1303.1	1308.3
30°	1230.8	1238.2	1249.9	1269.8	1273.7
32.5°	1186.7	1197.5	1210.9	1232.6	1236.9
35°	1144.2	1154.2	1171.1	1194.0	1199.2
37.5°	1096.6	1108.7	1128.7	1153.8	1159.4
40°	1046.8	1061.5	1084.9	1110.5	1118.3
42.5°	995.7	1014.4	1039.5	1065.9	1075.0
45°	943.4	965.0	994.0	1020.4	1029.9
47.5°	891.8	911.3	943.8	972.4	983.2
50°	836.0	860.7	893.6	924.3	936.9
52.5°	782.3	807.0	843.8	873.7	887.1
55°	724.7	750.7	790.1	825.6	836.4
57.5°	667.1	696.6	740.3	774.5	786.6
60°	609.1	637.7	684.9	720.8	736.0
62.5°	550.3	579.7	630.8	669.7	686.6
65°	488.3	522.5	575.8	618.2	636.4
67.5°	431.2	465.8	521.7	567.6	586.2
70°	364.5	405.7	469.3	520.0	539.9
72.5°	308.2	350.7	417.3	474.9	495.7
75°	247.6	295.7	370.6	429.9	451.5
77.5°	188.8	242.9	325.1	387.0	409.6
80°	132.0	195.7	281.8	346.3	368.4
82.5°	84.4	152.0	245.9	309.5	334.2
85°	43.3	116.0	210.4	275.3	298.7
87.5°	16.0	88.3	180.5	245.0	268.4
90°	1.7	67.1	155.4	217.3	239.8
92.5°	0.4	52.8	134.6	194.4	216.9
95°	0.4	43.3	117.3	174.0	193.5
97.5°	0.4	36.8	103.0	156.3	174.9
100°	0.4	32.9	91.8	140.3	158.5
102.5°	0.4	29.9	82.7	127.3	144.2
105°	0.4	27.7	75.3	115.6	132.0
107.5°	0.4	25.5	69.7	106.5	120.4
110°	0.4	23.8	64.9	97.8	110.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.4	22.1	60.6	90.9	103.0
115°	0.9	20.8	56.3	84.9	95.7
117.5°	0.9	19.5	52.4	79.2	89.2
120°	0.9	18.2	48.9	73.6	83.6
122.5°	1.3	16.9	45.5	68.4	77.9
125°	1.3	15.6	42.0	63.6	72.3
127.5°	1.3	14.3	39.0	59.3	67.1
130°	1.7	13.4	35.9	54.5	61.9
132.5°	1.7	12.1	32.9	50.2	57.1
135°	1.7	11.3	29.4	46.3	52.4
137.5°	1.7	10.4	26.4	42.0	47.6
140°	2.2	9.5	23.4	38.1	43.3
142.5°	2.2	8.7	20.8	34.6	39.0
145°	2.2	8.2	18.6	31.2	35.1
147.5°	2.6	7.8	16.5	27.3	31.2
150°	2.6	6.9	14.3	23.8	27.3
152.5°	2.6	6.5	12.6	19.9	23.8
155°	3.0	6.1	10.8	16.9	20.8
157.5°	3.0	5.6	9.5	14.3	17.8
160°	3.0	5.2	8.7	11.7	15.2
162.5°	3.0	4.8	7.4	9.5	12.6
165°	3.5	4.3	6.5	7.8	10.4
167.5°	3.5	3.9	5.6	6.1	8.2
170°	3.5	3.9	4.3	4.8	6.5
172.5°	3.5	3.5	3.9	3.0	4.8
175°	3.5	3.0	3.0	2.2	3.0
177.5°	3.9	3.5	2.6	1.7	0.4
180°	2.6	2.6	2.6	2.6	2.6

(END OF REPORT)