

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: P738727

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

Issue Date: 2/13/2024



Test Information

Test Method: LM-79-08
Report Number: P738727
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-5000K-MID
Description: 4foot, Adapt Surface Wrap with, RD lens and MID lumen setting, 5000K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

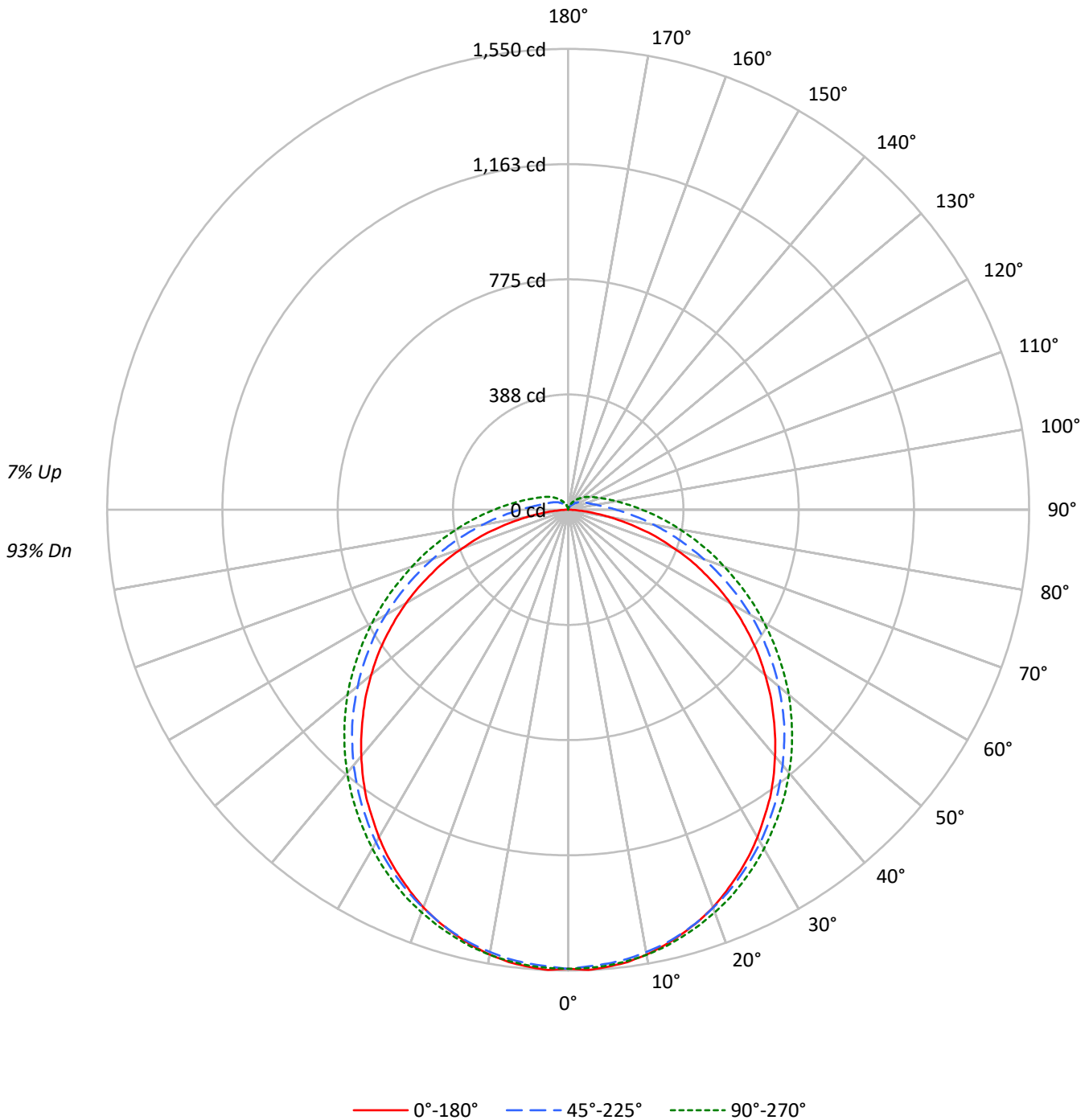
Lumens per Lamp: N/A
Luminaire Lumens: 5011.0 lumens
Efficiency: N/A
Efficacy: 125.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.27 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 3.71' x H: 0.12')
CIE Type: Direct

Input Watts (W): 40
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°	9740	9740	9740
5°	9744	9530	9525
10°	9674	9336	9307
15°	9567	9129	9072
20°	9445	8894	8835
25°	9273	8654	8590
30°	9098	8405	8335
35°	8907	8140	8072
40°	8675	7866	7809
45°	8427	7592	7533
50°	8166	7269	7250
55°	7875	6930	6928
60°	7522	6572	6611
65°	7046	6150	6296
70°	6383	5700	5995
75°	5567	5263	5764
80°	4189	4864	5580
85°	2367	4671	5612



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.2	2.9
10°-20°	417.7	8.3
20°-30°	630.4	12.6
30°-40°	758.5	15.1
40°-50°	790.4	15.8
50°-60°	727.7	14.5
60°-70°	583.7	11.6
70°-80°	396.1	7.9
80°-90°	222.8	4.4
90°-100°	124.0	2.5
100°-110°	78.9	1.6
110°-120°	54.2	1.1
120°-130°	36.9	0.7
130°-140°	23.0	0.5
140°-150°	12.5	0.3
150°-160°	5.6	0.1
160°-170°	1.9	0.0
170°-180°	0.3	0.0
0°-30°	1194.4	23.8
0°-40°	1952.8	39.0
0°-60°	3470.9	69.3
0°-90°	4673.5	93.3
90°-120°	257.2	5.1
90°-150°	329.6	6.6
90°-180°	337.0	6.7
0°-180°	5011.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1544	1544	1544	1544	1544	
5°	1543	1541	1532	1541	1539	147
15°	1478	1479	1476	1487	1486	417
25°	1353	1358	1364	1381	1384	623
35°	1183	1193	1211	1234	1240	739
45°	975	998	1028	1055	1065	753
55°	749	776	817	854	865	670
65°	505	540	595	639	658	500
75°	256	306	383	444	467	271
85°	45	120	218	285	309	57
90°	2	69	161	225	248	3
95°	0	45	121	180	200	0
105°	0	29	78	120	136	0
115°	1	22	58	88	99	1
125°	1	16	43	66	75	1
135°	2	12	30	48	54	1
145°	2	8	19	32	36	1
155°	3	6	11	18	22	1
165°	4	4	7	8	11	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°	1544.2	1544.2	1544.2	1544.2	1544.2
2.5°	1549.5	1545.9	1537.4	1544.6	1542.8
5°	1543.3	1541.0	1532.5	1540.6	1538.8
7.5°	1534.3	1531.2	1524.0	1533.0	1531.2
10°	1519.1	1517.3	1511.0	1520.9	1520.0
12.5°	1500.3	1499.8	1495.8	1505.2	1505.7
15°	1477.9	1478.8	1475.7	1486.9	1486.4
17.5°	1452.4	1451.9	1451.9	1464.9	1465.4
20°	1423.8	1425.1	1425.1	1439.4	1441.2
22.5°	1388.8	1392.9	1396.4	1411.7	1415.2
25°	1352.6	1358.0	1363.8	1380.8	1384.4
27.5°	1314.5	1321.3	1328.4	1347.2	1352.6
30°	1272.5	1280.1	1292.2	1312.8	1316.8
32.5°	1226.8	1238.0	1251.9	1274.3	1278.7
35°	1183.0	1193.2	1210.7	1234.4	1239.8
37.5°	1133.7	1146.3	1166.8	1192.8	1198.6
40°	1082.2	1097.5	1121.6	1148.0	1156.1
42.5°	1029.4	1048.7	1074.6	1101.9	1111.3
45°	975.3	997.7	1027.6	1054.9	1064.8
47.5°	922.0	942.2	975.7	1005.3	1016.5
50°	864.3	889.8	923.8	955.6	968.6
52.5°	808.8	834.3	872.3	903.2	917.1
55°	749.2	776.1	816.8	853.5	864.7
57.5°	689.7	720.2	765.4	800.7	813.3
60°	629.7	659.3	708.1	745.2	760.9
62.5°	568.9	599.3	652.1	692.4	709.9
65°	504.9	540.2	595.3	639.1	657.9
67.5°	445.8	481.6	539.3	586.8	606.0
70°	376.9	419.4	485.2	537.5	558.1
72.5°	318.7	362.5	431.5	491.0	512.5
75°	256.0	305.7	383.1	444.4	466.8
77.5°	195.1	251.1	336.1	400.1	423.4
80°	136.5	202.3	291.4	358.1	380.9
82.5°	87.3	157.1	254.2	320.0	345.5
85°	44.8	120.0	217.5	284.7	308.8
87.5°	16.6	91.3	186.6	253.3	277.5
90°	1.8	69.4	160.7	224.7	248.0
92.5°	0.4	54.6	139.2	201.0	224.2
95°	0.4	44.8	121.3	179.9	200.1
97.5°	0.4	38.0	106.5	161.6	180.8
100°	0.4	34.0	94.9	145.0	163.8
102.5°	0.4	30.9	85.5	131.6	149.0
105°	0.4	28.6	77.9	119.5	136.5
107.5°	0.4	26.4	72.1	110.1	124.4
110°	0.4	24.6	67.1	101.2	114.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.4	22.8	62.7	94.0	106.5
115°	0.9	21.5	58.2	87.7	98.9
117.5°	0.9	20.1	54.2	81.9	92.2
120°	0.9	18.8	50.6	76.1	86.4
122.5°	1.3	17.5	47.0	70.7	80.6
125°	1.3	16.1	43.4	65.8	74.7
127.5°	1.3	14.8	40.3	61.3	69.4
130°	1.8	13.9	37.1	56.4	64.0
132.5°	1.8	12.5	34.0	51.9	59.1
135°	1.8	11.6	30.4	47.9	54.2
137.5°	1.8	10.7	27.3	43.4	49.2
140°	2.2	9.8	24.2	39.4	44.8
142.5°	2.2	9.0	21.5	35.8	40.3
145°	2.2	8.5	19.2	32.2	36.3
147.5°	2.7	8.1	17.0	28.2	32.2
150°	2.7	7.2	14.8	24.6	28.2
152.5°	2.7	6.7	13.0	20.6	24.6
155°	3.1	6.3	11.2	17.5	21.5
157.5°	3.1	5.8	9.8	14.8	18.4
160°	3.1	5.4	9.0	12.1	15.7
162.5°	3.1	4.9	7.6	9.8	13.0
165°	3.6	4.5	6.7	8.1	10.7
167.5°	3.6	4.0	5.8	6.3	8.5
170°	3.6	4.0	4.5	4.9	6.7
172.5°	3.6	3.6	4.0	3.1	4.9
175°	3.6	3.1	3.1	2.2	3.1
177.5°	4.0	3.6	2.7	1.8	0.4
180°	2.7	2.7	2.7	2.7	2.7

(END OF REPORT)