

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: P709794

Luminaire Tested: **8AWS-L3C3-UNV-5000K-MID**

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709794
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2307-090-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8AWS-L3C3-UNV-5000K-MID
Description: 8foot, Adapt Surface Wrap with, RD lens and MID lumen setting,
5000K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

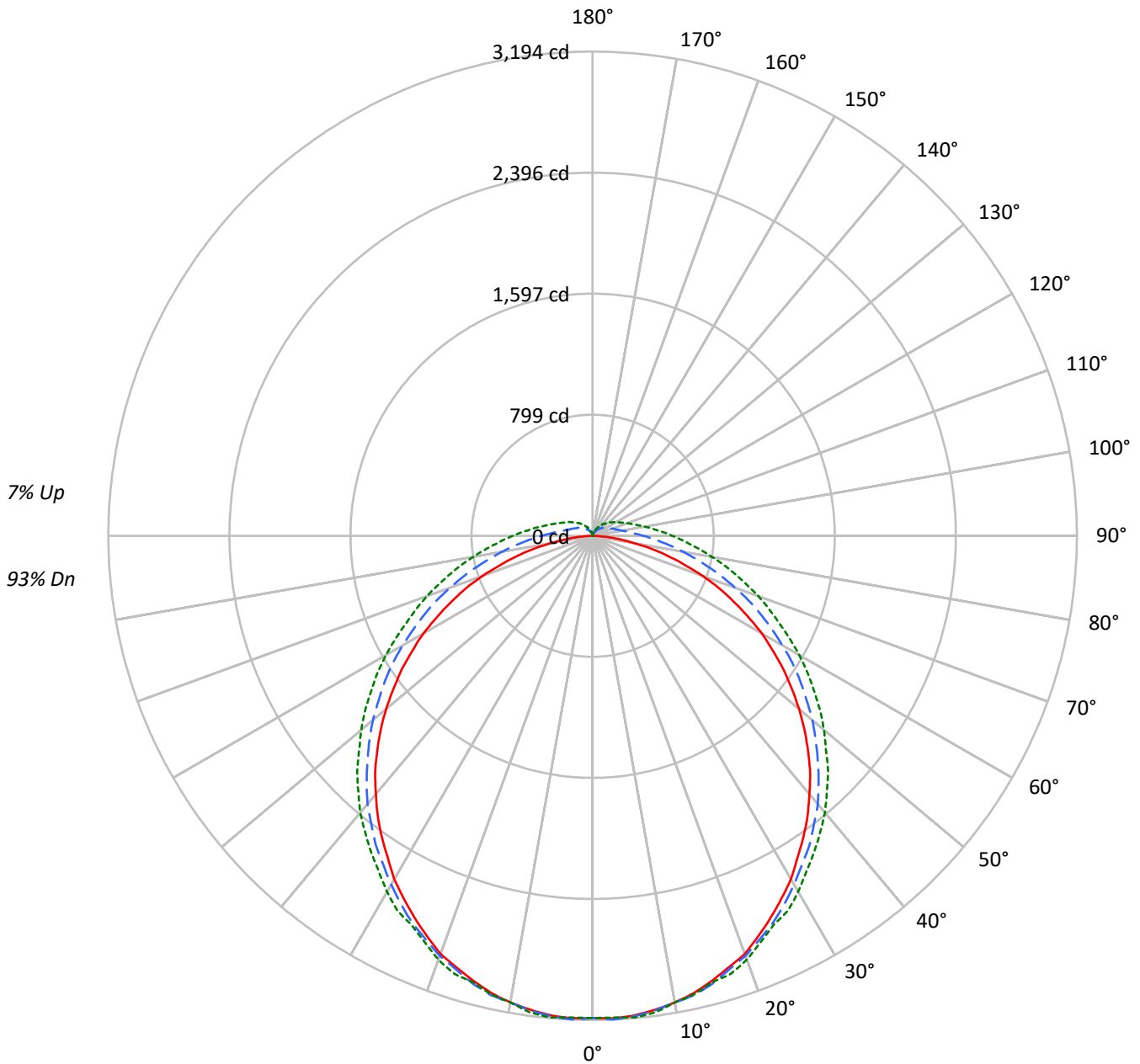
Lumens per Lamp: N/A
Luminaire Lumens: 10303.0 lumens
Efficiency: N/A
Efficacy: 139.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 7.42' x H: 0.12')
CIE Type: Direct

Input Watts (W): 74
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	50	30	10	0
RCR																					
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	96	96	96	93
1	106	101	96	92	102	98	93	89	92	89	85	87	84	81	82	80	78	82	80	78	75
2	96	87	80	74	93	85	78	72	80	74	70	76	71	67	71	68	64	71	68	64	62
3	87	76	68	61	84	74	66	60	70	63	58	66	61	56	63	58	54	63	58	54	52
4	80	67	58	51	77	65	57	51	62	55	49	59	53	48	56	51	46	56	51	46	44
5	73	60	51	44	71	58	50	43	56	48	42	53	46	41	50	45	40	50	45	40	38
6	68	54	45	38	65	53	44	38	50	43	37	48	41	36	46	40	35	46	40	35	33
7	63	49	40	34	60	48	39	33	46	38	33	43	37	32	42	36	31	42	36	31	29
8	58	45	36	30	56	44	35	30	42	34	29	40	33	29	38	32	28	38	32	28	26
9	54	41	33	27	53	40	32	27	38	31	26	37	30	26	35	29	25	35	29	25	23
10	51	38	30	24	49	37	29	24	35	29	24	34	28	23	33	27	23	33	27	23	21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10031	10031	10031
5°	10041	9900	9873
10°	9982	9677	9571
15°	9881	9485	9303
20°	9792	9237	9121
25°	9600	8979	8779
30°	9437	8692	8581
35°	9229	8439	8292
40°	9033	8169	8050
45°	8820	7835	7769
50°	8555	7522	7453
55°	8253	7185	7137
60°	7913	6803	6830
65°	7394	6417	6477
70°	6800	5982	6242
75°	5918	5549	5993
80°	4625	5214	5841
85°	2923	5040	5880



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	301.8	2.9
10°-20°	861.1	8.4
20°-30°	1295.6	12.6
30°-40°	1555.9	15.1
40°-50°	1620.2	15.7
50°-60°	1488.7	14.4
60°-70°	1195.6	11.6
70°-80°	815.1	7.9
80°-90°	463.3	4.5
90°-100°	259.5	2.5
100°-110°	164.2	1.6
110°-120°	112.1	1.1
120°-130°	77.0	0.7
130°-140°	49.0	0.5
140°-150°	27.3	0.3
150°-160°	12.4	0.1
160°-170°	3.9	0.0
170°-180°	0.5	0.0
0°-30°	2458.5	23.9
0°-40°	4014.4	39.0
0°-60°	7123.2	69.1
0°-90°	9597.2	93.1
90°-120°	535.7	5.2
90°-150°	689.0	6.7
90°-180°	706.0	6.9
0°-180°	10303.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3181	3181	3181	3181	3181	
5°	3176	3181	3181	3185	3190	301
15°	3040	3035	3058	3067	3049	858
25°	2780	2780	2816	2844	2830	1281
35°	2424	2438	2493	2529	2547	1517
45°	2010	2032	2101	2165	2196	1550
55°	1536	1581	1672	1750	1782	1371
65°	1025	1103	1221	1312	1354	1017
75°	515	624	788	920	971	545
85°	96	246	451	597	647	118
90°	5	146	333	469	524	6
95°	0	91	251	378	424	0
105°	0	59	160	251	287	0
115°	0	46	118	182	205	0
125°	5	32	91	137	155	3
135°	5	27	68	100	114	4
145°	5	18	46	68	73	3
155°	5	14	27	41	46	2
165°	5	9	14	18	23	1
175°	5	5	5	5	5	0
180°	5	5	5	5	5	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3180.9	3180.9	3180.9	3180.9	3180.9
2.5°	3185.4	3180.9	3194.5	3190.0	3180.9
5°	3176.3	3180.9	3180.9	3185.4	3190.0
7.5°	3153.5	3144.4	3158.1	3171.7	3171.7
10°	3126.2	3117.1	3126.2	3135.3	3126.2
12.5°	3089.7	3071.5	3103.4	3103.4	3098.8
15°	3039.6	3035.0	3057.8	3066.9	3048.7
17.5°	2984.9	2998.6	2998.6	3016.8	3030.5
20°	2934.8	2925.7	2948.5	2962.1	2975.8
22.5°	2857.3	2852.8	2880.1	2902.9	2898.3
25°	2779.8	2779.8	2816.3	2843.6	2830.0
27.5°	2697.8	2697.8	2738.8	2766.2	2789.0
30°	2615.8	2624.9	2656.8	2693.3	2711.5
32.5°	2515.5	2538.3	2570.2	2620.3	2624.9
35°	2424.4	2438.1	2492.7	2529.2	2547.4
37.5°	2328.7	2333.2	2397.0	2447.2	2465.4
40°	2223.9	2233.0	2310.5	2356.0	2383.4
42.5°	2123.6	2132.7	2205.6	2264.9	2287.7
45°	2009.7	2032.5	2100.8	2164.6	2196.5
47.5°	1895.8	1927.7	1996.0	2068.9	2087.2
50°	1777.3	1809.2	1891.2	1950.4	1991.5
52.5°	1654.2	1695.2	1777.3	1854.7	1891.2
55°	1535.7	1581.3	1672.5	1749.9	1781.8
57.5°	1408.1	1462.8	1563.1	1645.1	1681.6
60°	1289.7	1335.2	1444.6	1531.2	1572.2
62.5°	1152.9	1212.2	1330.7	1426.4	1462.8
65°	1025.3	1102.8	1221.3	1312.4	1353.5
67.5°	902.3	979.8	1111.9	1207.6	1257.8
70°	770.2	856.7	998.0	1107.4	1162.1
72.5°	633.4	733.7	893.2	1016.2	1061.8
75°	515.0	624.3	788.4	920.5	970.7
77.5°	396.5	510.4	692.7	829.4	884.1
80°	278.0	405.6	606.1	747.4	797.5
82.5°	182.3	323.6	524.1	665.3	720.0
85°	95.7	246.1	451.2	597.0	647.1
87.5°	31.9	186.8	387.4	533.2	583.3
90°	4.6	145.8	332.7	469.4	524.1
92.5°	0.0	113.9	287.1	423.8	473.9
95°	0.0	91.1	250.6	378.2	423.8
97.5°	0.0	77.5	223.3	337.2	387.4
100°	0.0	68.4	196.0	305.3	346.3
102.5°	0.0	63.8	177.7	273.4	314.4
105°	0.0	59.2	159.5	250.6	287.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	45.6	127.6	196.0	223.3
115°	0.0	45.6	118.5	182.3	205.1
117.5°	0.0	41.0	113.9	168.6	191.4
120°	0.0	36.5	104.8	159.5	182.3
122.5°	0.0	36.5	95.7	150.4	168.6
125°	4.6	31.9	91.1	136.7	154.9
127.5°	4.6	31.9	86.6	127.6	145.8
130°	4.6	27.3	77.5	118.5	132.2
132.5°	4.6	27.3	72.9	109.4	123.0
135°	4.6	27.3	68.4	100.3	113.9
137.5°	4.6	22.8	59.2	91.1	104.8
140°	4.6	22.8	54.7	82.0	95.7
142.5°	4.6	22.8	50.1	72.9	86.6
145°	4.6	18.2	45.6	68.4	72.9
147.5°	4.6	18.2	41.0	59.2	68.4
150°	4.6	13.7	36.5	50.1	59.2
152.5°	4.6	13.7	31.9	45.6	50.1
155°	4.6	13.7	27.3	41.0	45.6
157.5°	4.6	13.7	22.8	36.5	36.5
160°	4.6	9.1	18.2	27.3	31.9
162.5°	4.6	9.1	18.2	22.8	27.3
165°	4.6	9.1	13.7	18.2	22.8
167.5°	4.6	4.6	9.1	13.7	18.2
170°	4.6	4.6	9.1	9.1	13.7
172.5°	4.6	4.6	4.6	4.6	9.1
175°	4.6	4.6	4.6	4.6	4.6
177.5°	4.6	4.6	4.6	0.0	0.0
180°	4.6	4.6	4.6	4.6	4.6



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - - 90°-270°







107.5°	0.0	54.7	150.4	227.9	264.3
110°	0.0	50.1	136.7	209.6	241.5



(END OF REPORT)