

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: P709788

Luminaire Tested: **8AWS-L3C3-UNV-3500K-MID**

Issue Date: 9/26/2023



Test Information

Test Method: LM-79-08
Report Number: P709788
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-3500K-MID
Description: 8foot, Adapt Surface Wrap with, RD lens and MID lumen setting,
3500K, 80CRI

Light Source: -
Ballast/Driver: -

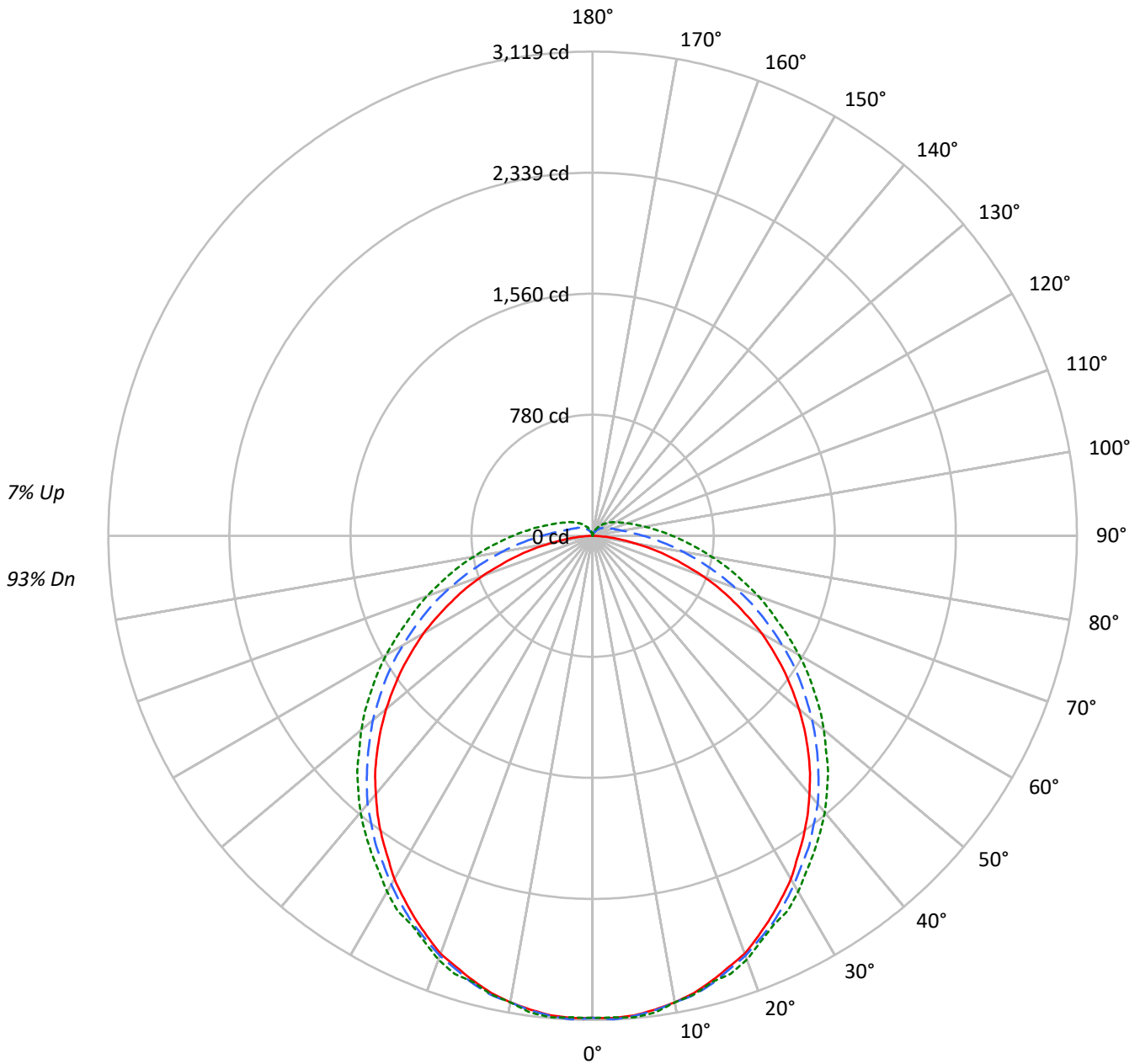
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10057.9 lumens
Efficiency: N/A
Efficacy: 135.9 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									
RC	80									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	93																			
1	106	101	96	92	102	98	93	89	92	89	85	87	84	81	82	80	78	75																			
2	96	87	80	74	93	85	78	72	80	74	70	76	71	67	71	68	64	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	43	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	29	24	34	28	23	33	27	23	21																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9793	9793	9793
5°	9802	9664	9638
10°	9745	9446	9343
15°	9646	9260	9082
20°	9559	9017	8904
25°	9372	8766	8571
30°	9213	8485	8377
35°	9009	8239	8095
40°	8818	7974	7858
45°	8611	7648	7585
50°	8351	7343	7276
55°	8057	7014	6968
60°	7724	6642	6668
65°	7219	6265	6323
70°	6637	5840	6093
75°	5777	5417	5850
80°	4515	5090	5702
85°	2852	4920	5740



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	294.7	2.9
10°-20°	840.6	8.4
20°-30°	1264.8	12.6
30°-40°	1518.9	15.1
40°-50°	1581.6	15.7
50°-60°	1453.3	14.4
60°-70°	1167.2	11.6
70°-80°	795.8	7.9
80°-90°	452.3	4.5
90°-100°	253.3	2.5
100°-110°	160.3	1.6
110°-120°	109.4	1.1
120°-130°	75.2	0.7
130°-140°	47.8	0.5
140°-150°	26.6	0.3
150°-160°	12.1	0.1
160°-170°	3.8	0.0
170°-180°	0.5	0.0
0°-30°	2400.0	23.9
0°-40°	3918.9	39.0
0°-60°	6953.8	69.1
0°-90°	9369.0	93.2
90°-120°	523.0	5.2
90°-150°	672.6	6.7
90°-180°	689.0	6.9
0°-180°	10057.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3105	3105	3105	3105	3105	
5°	3101	3105	3105	3110	3114	294
15°	2967	2963	2985	2994	2976	837
25°	2714	2714	2749	2776	2763	1251
35°	2367	2380	2434	2469	2487	1481
45°	1962	1984	2051	2113	2144	1513
55°	1499	1544	1633	1708	1740	1338
65°	1001	1077	1192	1281	1321	993
75°	503	610	770	899	948	532
85°	93	240	440	583	632	115
90°	4	142	325	458	512	5
95°	0	89	245	369	414	0
105°	0	58	156	245	280	0
115°	0	44	116	178	200	0
125°	4	31	89	134	151	2
135°	4	27	67	98	111	3
145°	4	18	44	67	71	3
155°	4	13	27	40	44	2
165°	4	9	13	18	22	1
175°	4	4	4	4	4	0
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3105.2	3105.2	3105.2	3105.2	3105.2
2.5°	3109.7	3105.2	3118.6	3114.1	3105.2
5°	3100.8	3105.2	3105.2	3109.7	3114.1
7.5°	3078.5	3069.6	3083.0	3096.3	3096.3
10°	3051.8	3042.9	3051.8	3060.7	3051.8
12.5°	3016.2	2998.5	3029.6	3029.6	3025.1
15°	2967.3	2962.9	2985.1	2994.0	2976.2
17.5°	2913.9	2927.3	2927.3	2945.1	2958.4
20°	2865.0	2856.1	2878.3	2891.7	2905.0
22.5°	2789.4	2784.9	2811.6	2833.8	2829.4
25°	2713.7	2713.7	2749.3	2776.0	2762.7
27.5°	2633.7	2633.7	2673.7	2700.4	2722.6
30°	2553.6	2562.5	2593.6	2629.2	2647.0
32.5°	2455.7	2478.0	2509.1	2558.0	2562.5
35°	2366.7	2380.1	2433.5	2469.1	2486.8
37.5°	2273.3	2277.8	2340.0	2389.0	2406.8
40°	2171.0	2179.9	2255.5	2300.0	2326.7
42.5°	2073.1	2082.0	2153.2	2211.0	2233.3
45°	1961.9	1984.1	2050.9	2113.2	2144.3
47.5°	1850.7	1881.8	1948.5	2019.7	2037.5
50°	1735.0	1766.2	1846.2	1904.1	1944.1
52.5°	1614.9	1654.9	1735.0	1810.6	1846.2
55°	1499.2	1543.7	1632.7	1708.3	1739.5
57.5°	1374.7	1428.0	1525.9	1606.0	1641.6
60°	1259.0	1303.5	1410.3	1494.8	1534.8
62.5°	1125.5	1183.4	1299.0	1392.5	1428.0
65°	1001.0	1076.6	1192.3	1281.2	1321.3
67.5°	880.9	956.5	1085.5	1178.9	1227.9
70°	751.8	836.4	974.3	1081.0	1134.4
72.5°	618.4	716.2	872.0	992.1	1036.6
75°	502.7	609.5	769.6	898.6	947.6
77.5°	387.0	498.3	676.2	809.7	863.1
80°	271.4	395.9	591.7	729.6	778.5
82.5°	177.9	315.9	511.6	649.5	702.9
85°	93.4	240.2	440.4	582.8	631.7
87.5°	31.1	182.4	378.1	520.5	569.4
90°	4.4	142.4	324.8	458.2	511.6
92.5°	0.0	111.2	280.3	413.7	462.7
95°	0.0	89.0	244.7	369.2	413.7
97.5°	0.0	75.6	218.0	329.2	378.1
100°	0.0	66.7	191.3	298.1	338.1
102.5°	0.0	62.3	173.5	266.9	307.0
105°	0.0	57.8	155.7	244.7	280.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	44.5	124.6	191.3	218.0
115°	0.0	44.5	115.7	177.9	200.2
117.5°	0.0	40.0	111.2	164.6	186.8
120°	0.0	35.6	102.3	155.7	177.9
122.5°	0.0	35.6	93.4	146.8	164.6
125°	4.4	31.1	89.0	133.5	151.3
127.5°	4.4	31.1	84.5	124.6	142.4
130°	4.4	26.7	75.6	115.7	129.0
132.5°	4.4	26.7	71.2	106.8	120.1
135°	4.4	26.7	66.7	97.9	111.2
137.5°	4.4	22.2	57.8	89.0	102.3
140°	4.4	22.2	53.4	80.1	93.4
142.5°	4.4	22.2	48.9	71.2	84.5
145°	4.4	17.8	44.5	66.7	71.2
147.5°	4.4	17.8	40.0	57.8	66.7
150°	4.4	13.3	35.6	48.9	57.8
152.5°	4.4	13.3	31.1	44.5	48.9
155°	4.4	13.3	26.7	40.0	44.5
157.5°	4.4	13.3	22.2	35.6	35.6
160°	4.4	8.9	17.8	26.7	31.1
162.5°	4.4	8.9	17.8	22.2	26.7
165°	4.4	8.9	13.3	17.8	22.2
167.5°	4.4	4.4	8.9	13.3	17.8
170°	4.4	4.4	8.9	8.9	13.3
172.5°	4.4	4.4	4.4	4.4	8.9
175°	4.4	4.4	4.4	4.4	4.4
177.5°	4.4	4.4	4.4	0.0	0.0
180°	4.4	4.4	4.4	4.4	4.4



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	53.4	146.8	222.4	258.0
110°	0.0	48.9	133.5	204.6	235.8



(END OF REPORT)