

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: P709821

Luminaire Tested: **8AWS-L3C39-UNV-5000K-MID**

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709821
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-L3C39-UNV-5000K-MID
Description: 8foot, Adapt Surface Wrap with, RD lens and MID lumen setting,
5000K, 90CRI

Light Source: -
Ballast/Driver: -

Summary

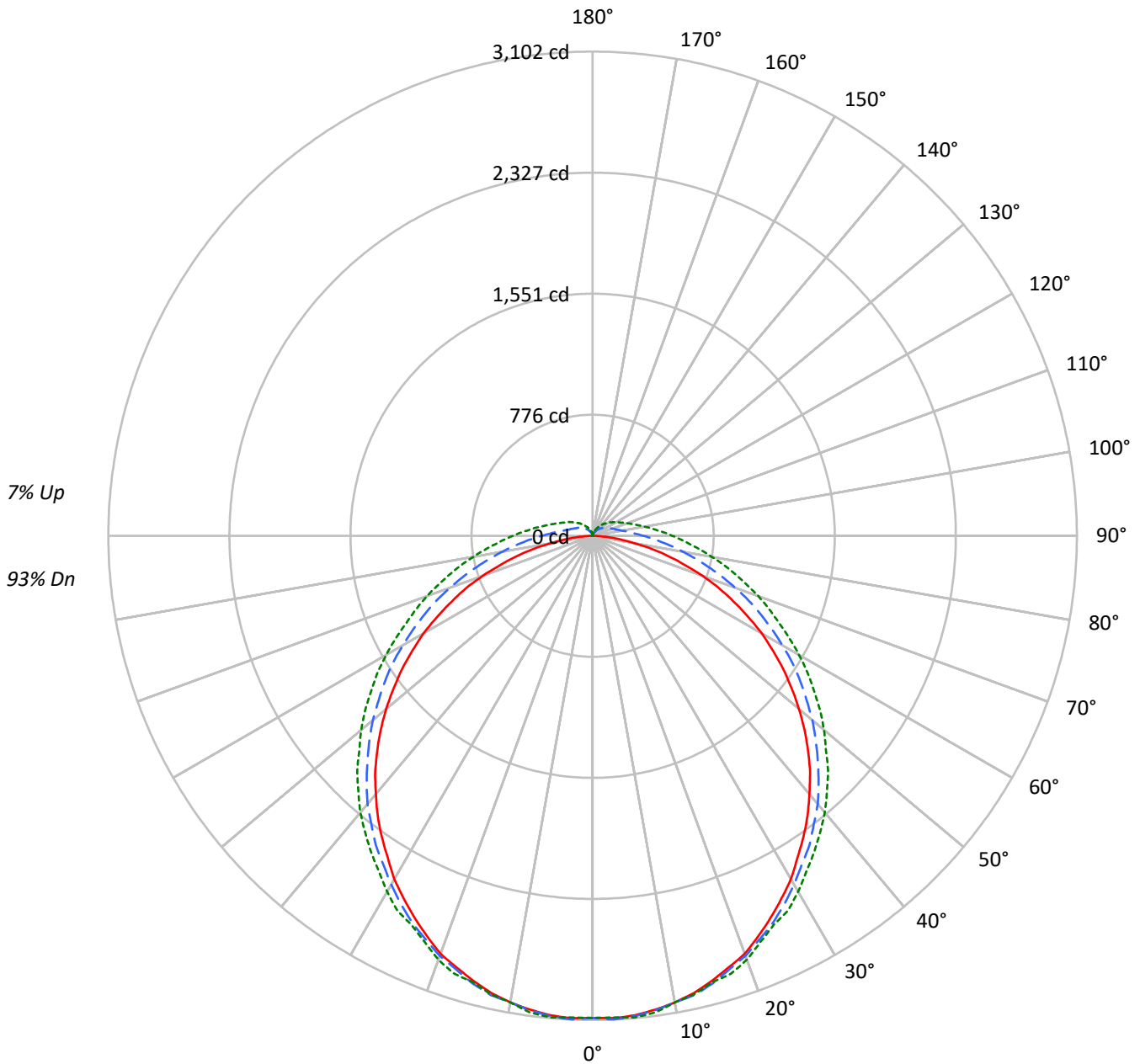
Lumens per Lamp: N/A
Luminaire Lumens: 10005.0 lumens
Efficiency: N/A
Efficacy: 137.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 7.42' x H: 0.12')
CIE Type: Direct

Input Watts (W): 73
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°	9741	9741	9741
5°	9750	9614	9587
10°	9694	9397	9294
15°	9595	9211	9034
20°	9508	8969	8857
25°	9323	8720	8525
30°	9164	8440	8333
35°	8962	8195	8052
40°	8771	7932	7817
45°	8565	7608	7545
50°	8307	7305	7238
55°	8014	6977	6931
60°	7684	6606	6632
65°	7181	6232	6289
70°	6603	5809	6061
75°	5747	5389	5819
80°	4490	5064	5672
85°	2837	4894	5711



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	293.1	2.9
10°-20°	836.2	8.4
20°-30°	1258.1	12.6
30°-40°	1510.9	15.1
40°-50°	1573.3	15.7
50°-60°	1445.6	14.4
60°-70°	1161.0	11.6
70°-80°	791.6	7.9
80°-90°	449.9	4.5
90°-100°	252.0	2.5
100°-110°	159.5	1.6
110°-120°	108.8	1.1
120°-130°	74.8	0.7
130°-140°	47.6	0.5
140°-150°	26.5	0.3
150°-160°	12.0	0.1
160°-170°	3.8	0.0
170°-180°	0.5	0.0
0°-30°	2387.4	23.9
0°-40°	3898.3	39.0
0°-60°	6917.2	69.1
0°-90°	9319.6	93.1
90°-120°	520.3	5.2
90°-150°	669.1	6.7
90°-180°	685.0	6.8
0°-180°	10005.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3089	3089	3089	3089	3089	
5°	3084	3089	3089	3093	3098	293
15°	2952	2947	2969	2978	2960	833
25°	2699	2699	2735	2761	2748	1244
35°	2354	2368	2421	2456	2474	1473
45°	1952	1974	2040	2102	2133	1505
55°	1491	1536	1624	1699	1730	1331
65°	996	1071	1186	1274	1314	987
75°	500	606	766	894	943	530
85°	93	239	438	580	628	114
90°	4	142	323	456	509	5
95°	0	88	243	367	412	0
105°	0	58	155	243	279	0
115°	0	44	115	177	199	0
125°	4	31	88	133	150	2
135°	4	27	66	97	111	3
145°	4	18	44	66	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°	3088.9	3088.9	3088.9	3088.9	3088.9
2.5°	3093.3	3088.9	3102.1	3097.7	3088.9
5°	3084.4	3088.9	3088.9	3093.3	3097.7
7.5°	3062.3	3053.5	3066.7	3080.0	3080.0
10°	3035.8	3026.9	3035.8	3044.6	3035.8
12.5°	3000.4	2982.7	3013.6	3013.6	3009.2
15°	2951.7	2947.3	2969.4	2978.2	2960.5
17.5°	2898.6	2911.8	2911.8	2929.5	2942.8
20°	2849.9	2841.0	2863.2	2876.4	2889.7
22.5°	2774.7	2770.2	2796.8	2818.9	2814.5
25°	2699.4	2699.4	2734.8	2761.4	2748.1
27.5°	2619.8	2619.8	2659.6	2686.2	2708.3
30°	2540.1	2549.0	2580.0	2615.4	2633.1
32.5°	2442.8	2464.9	2495.9	2544.5	2549.0
35°	2354.3	2367.5	2420.6	2456.0	2473.7
37.5°	2261.3	2265.8	2327.7	2376.4	2394.1
40°	2159.5	2168.4	2243.6	2287.9	2314.4
42.5°	2062.2	2071.0	2141.8	2199.4	2221.5
45°	1951.6	1973.7	2040.1	2102.0	2133.0
47.5°	1840.9	1871.9	1938.3	2009.1	2026.8
50°	1725.9	1756.8	1836.5	1894.0	1933.9
52.5°	1606.4	1646.2	1725.9	1801.1	1836.5
55°	1491.3	1535.6	1624.1	1699.3	1730.3
57.5°	1367.4	1420.5	1517.9	1597.5	1632.9
60°	1252.4	1296.6	1402.8	1486.9	1526.7
62.5°	1119.6	1177.1	1292.2	1385.1	1420.5
65°	995.7	1070.9	1186.0	1274.5	1314.3
67.5°	876.2	951.4	1079.8	1172.7	1221.4
70°	747.9	832.0	969.1	1075.3	1128.5
72.5°	615.1	712.5	867.4	986.8	1031.1
75°	500.1	606.3	765.6	893.9	942.6
77.5°	385.0	495.6	672.6	805.4	858.5
80°	269.9	393.9	588.6	725.7	774.4
82.5°	177.0	314.2	508.9	646.1	699.2
85°	92.9	239.0	438.1	579.7	628.4
87.5°	31.0	181.4	376.2	517.8	566.4
90°	4.4	141.6	323.0	455.8	508.9
92.5°	0.0	110.6	278.8	411.6	460.2
95°	0.0	88.5	243.4	367.3	411.6
97.5°	0.0	75.2	216.8	327.5	376.2
100°	0.0	66.4	190.3	296.5	336.3
102.5°	0.0	62.0	172.6	265.5	305.3
105°	0.0	57.5	154.9	243.4	278.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	44.3	123.9	190.3	216.8
115°	0.0	44.3	115.1	177.0	199.1
117.5°	0.0	39.8	110.6	163.7	185.9
120°	0.0	35.4	101.8	154.9	177.0
122.5°	0.0	35.4	92.9	146.0	163.7
125°	4.4	31.0	88.5	132.8	150.5
127.5°	4.4	31.0	84.1	123.9	141.6
130°	4.4	26.6	75.2	115.1	128.3
132.5°	4.4	26.6	70.8	106.2	119.5
135°	4.4	26.6	66.4	97.4	110.6
137.5°	4.4	22.1	57.5	88.5	101.8
140°	4.4	22.1	53.1	79.7	92.9
142.5°	4.4	22.1	48.7	70.8	84.1
145°	4.4	17.7	44.3	66.4	70.8
147.5°	4.4	17.7	39.8	57.5	66.4
150°	4.4	13.3	35.4	48.7	57.5
152.5°	4.4	13.3	31.0	44.3	48.7
155°	4.4	13.3	26.6	39.8	44.3
157.5°	4.4	13.3	22.1	35.4	35.4
160°	4.4	8.9	17.7	26.6	31.0
162.5°	4.4	8.9	17.7	22.1	26.6
165°	4.4	8.9	13.3	17.7	22.1
167.5°	4.4	4.4	8.9	13.3	17.7
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	53.1	146.0	221.3	256.7
110°	0.0	48.7	132.8	203.6	234.5



(END OF REPORT)