

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: P709905

Luminaire Tested: **8AWWS-L3C39-UNV-3500K-MID**

Issue Date: 9/26/2023



Test Information

Test Method: LM-79-08
Report Number: P709905
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2307-090-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8AWWS-L3C39-UNV-3500K-MID
Description: 8foot, Wide Adapt Surface Wrap with, RD lens and MID lumen setting, 3500K, 90CRI

Light Source: -
Ballast/Driver: -

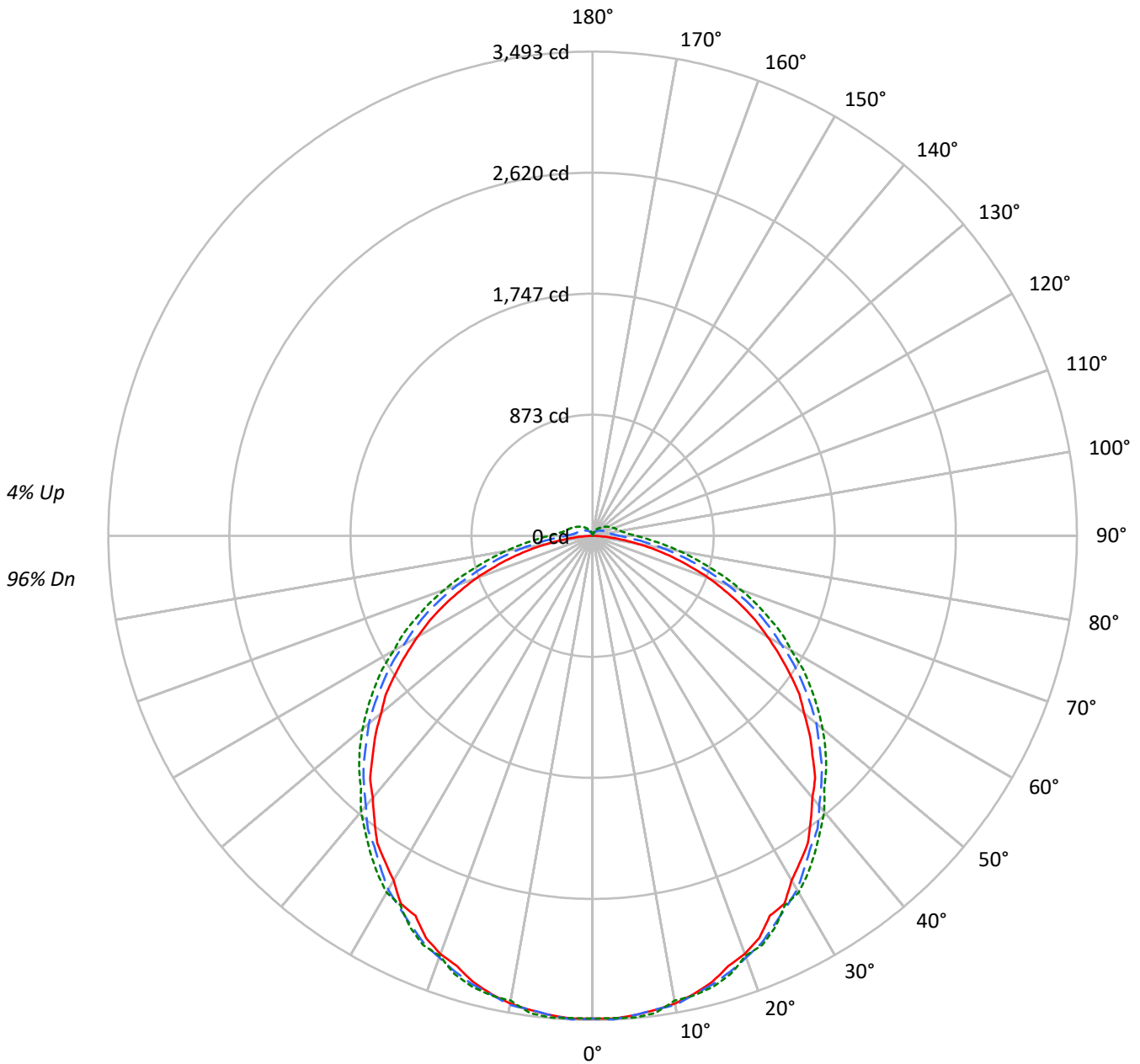
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10741.0 lumens
Efficiency: N/A
Efficacy: 147.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.27 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 7.42' x H: 0.17')
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	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96																			
1	107	102	97	93	104	99	95	91	94	91	88	90	87	84	85	83	81	79																			
2	97	89	81	76	94	86	80	74	82	77	72	78	74	70	74	71	67	65																			
3	88	78	69	62	85	76	68	62	72	65	60	69	63	58	66	61	57	54																			
4	81	69	60	53	78	67	59	52	64	57	51	61	55	50	58	53	49	46																			
5	74	61	52	45	72	60	51	45	57	50	44	55	48	43	52	47	42	40																			
6	68	55	46	39	66	54	45	39	52	44	38	49	43	38	47	42	37	35																			
7	63	50	41	35	61	49	40	34	47	39	34	45	38	33	43	37	33	31																			
8	59	45	37	31	57	45	36	31	43	35	30	41	35	30	40	34	29	27																			
9	55	42	33	28	53	41	33	28	39	32	27	38	32	27	37	31	26	25																			
10	52	38	30	25	50	38	30	25	36	29	25	35	29	24	34	28	24	22																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6086	6086	6086
5°	6079	6007	6014
10°	6057	5931	5833
15°	5993	5810	5776
20°	5921	5689	5580
25°	5772	5557	5485
30°	5719	5443	5364
35°	5685	5257	5214
40°	5520	5111	5060
45°	5418	4975	4887
50°	5270	4805	4733
55°	5122	4578	4537
60°	4897	4296	4272
65°	4654	4048	4035
70°	4282	3675	3712
75°	3716	3212	3315
80°	2893	2701	2960
85°	1665	2195	2642



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	330.5	3.1
10°-20°	944.7	8.8
20°-30°	1425.4	13.3
30°-40°	1720.3	16.0
40°-50°	1792.7	16.7
50°-60°	1643.2	15.3
60°-70°	1288.6	12.0
70°-80°	796.6	7.4
80°-90°	337.8	3.1
90°-100°	147.9	1.4
100°-110°	105.0	1.0
110°-120°	78.8	0.7
120°-130°	56.2	0.5
130°-140°	37.1	0.3
140°-150°	22.0	0.2
150°-160°	10.5	0.1
160°-170°	3.5	0.0
170°-180°	0.5	0.0
0°-30°	2700.6	25.1
0°-40°	4420.9	41.2
0°-60°	7856.7	73.1
0°-90°	10279.7	95.7
90°-120°	331.7	3.1
90°-150°	446.9	4.2
90°-180°	461.0	4.3
0°-180°	10741.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3482	3482	3482	3482	3482	
5°	3472	3479	3472	3472	3489	330
15°	3332	3339	3350	3360	3367	938
25°	3025	3077	3098	3102	3116	1407
35°	2707	2717	2742	2787	2794	1683
45°	2242	2270	2337	2372	2382	1731
55°	1736	1781	1848	1886	1925	1551
65°	1181	1226	1317	1369	1404	1165
75°	597	660	761	845	866	634
85°	105	189	311	402	440	133
90°	7	80	192	276	311	7
95°	0	52	140	210	241	0
105°	0	38	105	161	182	0
115°	0	31	84	129	147	0
125°	0	28	66	98	115	0
135°	0	21	52	73	87	0
145°	4	18	38	52	59	2
155°	4	10	24	35	38	2
165°	4	7	10	18	18	1
175°	4	4	4	4	7	0
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3482.4	3482.4	3482.4	3482.4	3482.4
2.5°	3485.9	3499.8	3492.9	3485.9	3482.4
5°	3471.9	3478.9	3471.9	3471.9	3489.4
7.5°	3450.9	3461.4	3447.5	3468.4	3471.9
10°	3426.5	3440.5	3437.0	3444.0	3405.5
12.5°	3384.6	3402.0	3388.1	3405.5	3395.1
15°	3332.2	3339.2	3349.7	3360.1	3367.1
17.5°	3255.3	3286.8	3297.3	3307.7	3314.7
20°	3209.9	3227.4	3237.9	3234.4	3223.9
22.5°	3140.1	3150.6	3182.0	3175.0	3196.0
25°	3024.8	3077.2	3098.2	3101.7	3115.6
27.5°	2993.4	2996.9	3021.3	3042.3	3003.9
30°	2871.1	2913.0	2948.0	2958.5	2972.4
32.5°	2787.3	2822.2	2843.2	2881.6	2888.6
35°	2707.0	2717.4	2741.9	2787.3	2794.3
37.5°	2584.7	2616.2	2665.1	2689.5	2693.0
40°	2466.0	2504.4	2542.8	2570.7	2598.7
42.5°	2375.1	2396.1	2441.5	2476.4	2472.9
45°	2242.4	2270.4	2336.7	2371.7	2382.1
47.5°	2123.7	2165.6	2214.5	2266.9	2277.3
50°	1990.9	2036.3	2106.2	2144.6	2165.6
52.5°	1879.2	1907.1	1977.0	2015.4	2046.8
55°	1736.0	1781.4	1847.7	1886.1	1924.6
57.5°	1596.2	1652.1	1718.5	1781.4	1802.3
60°	1456.5	1512.4	1571.8	1641.6	1655.6
62.5°	1323.8	1383.2	1446.0	1515.9	1543.8
65°	1180.6	1226.0	1316.8	1369.2	1404.1
67.5°	1030.4	1086.3	1173.6	1233.0	1274.9
70°	890.7	953.6	1037.4	1110.7	1135.2
72.5°	737.0	813.8	894.2	971.0	1005.9
75°	597.3	660.2	761.4	845.3	866.2
77.5°	464.6	523.9	632.2	716.0	747.5
80°	324.8	398.2	513.5	597.3	635.7
82.5°	206.1	282.9	401.7	492.5	534.4
85°	104.8	188.6	310.9	401.7	440.1
87.5°	34.9	118.8	237.5	331.8	370.2
90°	7.0	80.3	192.1	275.9	310.9
92.5°	0.0	59.4	160.7	237.5	269.0
95°	0.0	52.4	139.7	209.6	241.0
97.5°	0.0	48.9	129.2	192.1	216.6
100°	0.0	45.4	118.8	178.1	202.6
102.5°	0.0	41.9	111.8	167.7	192.1
105°	0.0	38.4	104.8	160.7	181.6



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CATALOG NUMBER: 8AWWS-L3C39-UNV-3500K-MID

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	34.9	90.8	132.7	153.7
115°	0.0	31.4	83.8	129.2	146.7
117.5°	0.0	31.4	80.3	118.8	136.2
120°	0.0	27.9	73.4	111.8	129.2
122.5°	0.0	27.9	69.9	108.3	122.3
125°	0.0	27.9	66.4	97.8	115.3
127.5°	0.0	24.5	62.9	94.3	104.8
130°	0.0	24.5	59.4	87.3	97.8
132.5°	0.0	21.0	55.9	80.3	90.8
135°	0.0	21.0	52.4	73.4	87.3
137.5°	0.0	21.0	48.9	69.9	76.8
140°	0.0	17.5	45.4	62.9	73.4
142.5°	3.5	17.5	38.4	59.4	66.4
145°	3.5	17.5	38.4	52.4	59.4
147.5°	3.5	14.0	34.9	48.9	55.9
150°	3.5	14.0	31.4	41.9	48.9
152.5°	3.5	10.5	27.9	38.4	41.9
155°	3.5	10.5	24.5	34.9	38.4
157.5°	3.5	10.5	21.0	27.9	31.4
160°	3.5	7.0	17.5	24.5	27.9
162.5°	3.5	7.0	14.0	21.0	24.5
165°	3.5	7.0	10.5	17.5	17.5
167.5°	3.5	7.0	10.5	14.0	14.0
170°	3.5	3.5	7.0	10.5	10.5
172.5°	3.5	3.5	7.0	7.0	7.0
175°	3.5	3.5	3.5	3.5	7.0
177.5°	3.5	3.5	3.5	3.5	3.5
180°	3.5	3.5	3.5	3.5	3.5



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	38.4	101.3	150.2	171.2
110°	0.0	34.9	94.3	143.2	164.2



(END OF REPORT)