

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: P709903

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

Issue Date: 9/26/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P709903  
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-HI  
Description: 8foot, Wide Adapt Surface Wrap with, RD lens and HI lumen setting,  
3500K, 90CRI  
  
Light Source: -  
Ballast/Driver: -

**Summary**

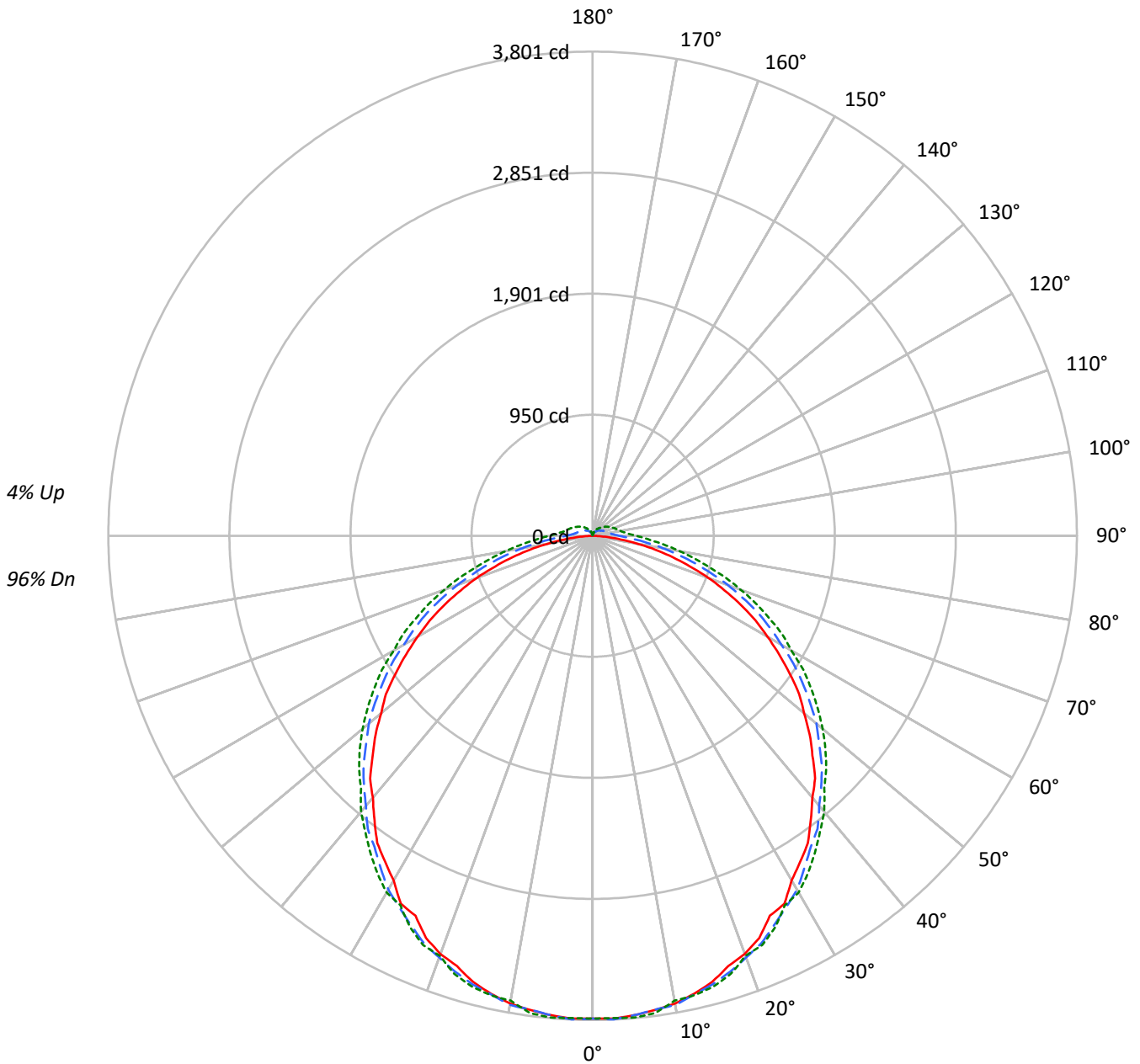
Lumens per Lamp: N/A  
Luminaire Lumens: 11687.9 lumens  
Efficiency: N/A  
Efficacy: 139.1 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.27 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 7.42' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 84  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	6623	6623	6623
5°	6615	6536	6544
10°	6591	6454	6348
15°	6521	6323	6285
20°	6443	6191	6072
25°	6280	6047	5968
30°	6223	5923	5837
35°	6186	5721	5674
40°	6007	5562	5506
45°	5896	5413	5318
50°	5734	5228	5150
55°	5574	4981	4937
60°	5329	4675	4649
65°	5064	4405	4390
70°	4659	3999	4039
75°	4043	3495	3608
80°	3149	2939	3221
85°	1812	2388	2874



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	359.7	3.1
10°-20°	1028.0	8.8
20°-30°	1551.0	13.3
30°-40°	1872.0	16.0
40°-50°	1950.8	16.7
50°-60°	1788.0	15.3
60°-70°	1402.2	12.0
70°-80°	866.8	7.4
80°-90°	367.6	3.1
90°-100°	161.0	1.4
100°-110°	114.2	1.0
110°-120°	85.7	0.7
120°-130°	61.1	0.5
130°-140°	40.3	0.3
140°-150°	23.9	0.2
150°-160°	11.4	0.1
160°-170°	3.8	0.0
170°-180°	0.5	0.0
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0°-30°	2938.7	25.1
0°-40°	4810.6	41.2
0°-60°	8549.4	73.1
0°-90°	11186.0	95.7
90°-120°	360.9	3.1
90°-150°	486.2	4.2
90°-180°	502.0	4.3
0°-180°	11687.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3789	3789	3789	3789	3789	
5°	3778	3786	3778	3778	3797	359
15°	3626	3634	3645	3656	3664	1021
25°	3292	3348	3371	3375	3390	1531
35°	2946	2957	2984	3033	3041	1831
45°	2440	2470	2543	2581	2592	1884
55°	1889	1938	2011	2052	2094	1688
65°	1285	1334	1433	1490	1528	1267
75°	650	718	829	920	943	690
85°	114	205	338	437	479	145
90°	8	87	209	300	338	7
95°	0	57	152	228	262	0
105°	0	42	114	175	198	0
115°	0	34	91	141	160	0
125°	0	30	72	106	125	0
135°	0	23	57	80	95	0
145°	4	19	42	57	65	2
155°	4	11	27	38	42	2
165°	4	8	11	19	19	1
175°	4	4	4	4	8	0
180°	4	4	4	4	4	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3789.4	3789.4	3789.4	3789.4	3789.4
2.5°	3793.2	3808.4	3800.8	3793.2	3789.4
5°	3778.0	3785.6	3778.0	3778.0	3797.0
7.5°	3755.2	3766.6	3751.4	3774.2	3778.0
10°	3728.6	3743.8	3740.0	3747.6	3705.8
12.5°	3683.0	3702.0	3686.8	3705.8	3694.4
15°	3626.0	3633.6	3645.0	3656.4	3664.0
17.5°	3542.4	3576.6	3588.0	3599.4	3607.0
20°	3493.0	3512.0	3523.4	3519.6	3508.2
22.5°	3416.9	3428.3	3462.5	3454.9	3477.7
25°	3291.5	3348.5	3371.3	3375.1	3390.3
27.5°	3257.3	3261.1	3287.7	3310.5	3268.7
30°	3124.3	3169.9	3207.9	3219.3	3234.5
32.5°	3033.1	3071.1	3093.9	3135.7	3143.3
35°	2945.6	2957.0	2983.6	3033.1	3040.7
37.5°	2812.6	2846.8	2900.0	2926.6	2930.4
40°	2683.4	2725.2	2767.0	2797.4	2827.8
42.5°	2584.6	2607.4	2656.8	2694.8	2691.0
45°	2440.1	2470.5	2542.7	2580.8	2592.2
47.5°	2310.9	2356.5	2409.7	2466.7	2478.1
50°	2166.5	2215.9	2291.9	2333.7	2356.5
52.5°	2044.8	2075.2	2151.3	2193.1	2227.3
55°	1889.0	1938.4	2010.6	2052.4	2094.3
57.5°	1737.0	1797.8	1870.0	1938.4	1961.2
60°	1584.9	1645.8	1710.4	1786.4	1801.6
62.5°	1440.5	1505.1	1573.5	1649.6	1680.0
65°	1284.7	1334.1	1432.9	1489.9	1527.9
67.5°	1121.2	1182.1	1277.1	1341.7	1387.3
70°	969.2	1037.6	1128.8	1208.7	1235.3
72.5°	802.0	885.6	973.0	1056.6	1094.6
75°	649.9	718.4	828.6	919.8	942.6
77.5°	505.5	570.1	687.9	779.2	813.4
80°	353.5	433.3	558.7	649.9	691.7
82.5°	224.2	307.9	437.1	535.9	581.5
85°	114.0	205.2	338.3	437.1	478.9
87.5°	38.0	129.2	258.5	361.1	402.9
90°	7.6	87.4	209.0	300.3	338.3
92.5°	0.0	64.6	174.8	258.5	292.7
95°	0.0	57.0	152.0	228.0	262.3
97.5°	0.0	53.2	140.6	209.0	235.7
100°	0.0	49.4	129.2	193.8	220.4
102.5°	0.0	45.6	121.6	182.4	209.0
105°	0.0	41.8	114.0	174.8	197.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	38.0	98.8	144.4	167.2
115°	0.0	34.2	91.2	140.6	159.6
117.5°	0.0	34.2	87.4	129.2	148.2
120°	0.0	30.4	79.8	121.6	140.6
122.5°	0.0	30.4	76.0	117.8	133.0
125°	0.0	30.4	72.2	106.4	125.4
127.5°	0.0	26.6	68.4	102.6	114.0
130°	0.0	26.6	64.6	95.0	106.4
132.5°	0.0	22.8	60.8	87.4	98.8
135°	0.0	22.8	57.0	79.8	95.0
137.5°	0.0	22.8	53.2	76.0	83.6
140°	0.0	19.0	49.4	68.4	79.8
142.5°	3.8	19.0	41.8	64.6	72.2
145°	3.8	19.0	41.8	57.0	64.6
147.5°	3.8	15.2	38.0	53.2	60.8
150°	3.8	15.2	34.2	45.6	53.2
152.5°	3.8	11.4	30.4	41.8	45.6
155°	3.8	11.4	26.6	38.0	41.8
157.5°	3.8	11.4	22.8	30.4	34.2
160°	3.8	7.6	19.0	26.6	30.4
162.5°	3.8	7.6	15.2	22.8	26.6
165°	3.8	7.6	11.4	19.0	19.0
167.5°	3.8	7.6	11.4	15.2	15.2
170°	3.8	3.8	7.6	11.4	11.4
172.5°	3.8	3.8	7.6	7.6	7.6
175°	3.8	3.8	3.8	3.8	7.6
177.5°	3.8	3.8	3.8	3.8	3.8
180°	3.8	3.8	3.8	3.8	3.8



Report Generated By 670246072 / DESKTOP-MV3F9LC







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







107.5°	0.0	41.8	110.2	163.4	186.2
110°	0.0	38.0	102.6	155.8	178.6



(END OF REPORT)