

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: P709904

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

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709904
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-LOW
Description: 8foot, Wide Adapt Surface Wrap with, RD lens and LOW lumen setting,
3500K, 90CRI

Light Source: -
Ballast/Driver: -

Summary

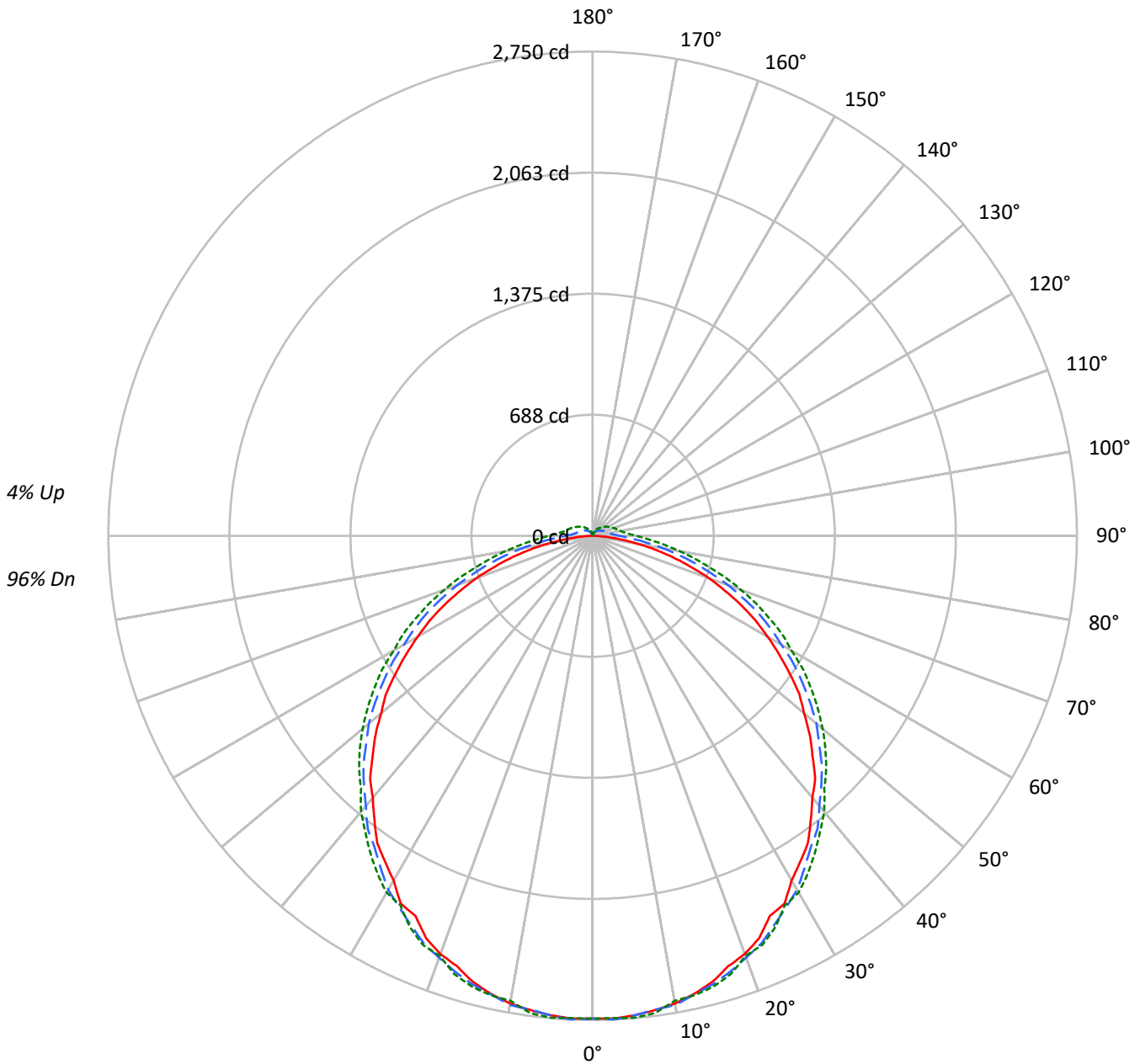
Lumens per Lamp: N/A
Luminaire Lumens: 8457.2 lumens
Efficiency: N/A
Efficacy: 151.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.27 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 7.42' x H: 0.17')
CIE Type: Direct

Input Watts (W): 56
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°	4792	4792	4792
5°	4786	4729	4735
10°	4769	4670	4593
15°	4718	4575	4547
20°	4662	4479	4394
25°	4544	4376	4318
30°	4503	4286	4224
35°	4476	4140	4105
40°	4346	4024	3984
45°	4266	3917	3848
50°	4149	3783	3727
55°	4033	3604	3572
60°	3856	3383	3364
65°	3664	3187	3177
70°	3372	2894	2923
75°	2926	2529	2610
80°	2279	2127	2331
85°	1311	1728	2080



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	260.3	3.1
10°-20°	743.8	8.8
20°-30°	1122.3	13.3
30°-40°	1354.5	16.0
40°-50°	1411.5	16.7
50°-60°	1293.8	15.3
60°-70°	1014.6	12.0
70°-80°	627.2	7.4
80°-90°	266.0	3.1
90°-100°	116.5	1.4
100°-110°	82.7	1.0
110°-120°	62.0	0.7
120°-130°	44.3	0.5
130°-140°	29.2	0.3
140°-150°	17.3	0.2
150°-160°	8.3	0.1
160°-170°	2.7	0.0
170°-180°	0.4	0.0
0°-30°	2126.3	25.1
0°-40°	3480.8	41.2
0°-60°	6186.0	73.1
0°-90°	8093.8	95.7
90°-120°	261.2	3.1
90°-150°	352.0	4.2
90°-180°	363.0	4.3
0°-180°	8457.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2742	2742	2742	2742	2742	
5°	2734	2739	2734	2734	2747	260
15°	2624	2629	2637	2646	2651	739
25°	2382	2423	2439	2442	2453	1108
35°	2131	2140	2159	2195	2200	1325
45°	1766	1788	1840	1867	1876	1363
55°	1367	1403	1455	1485	1515	1221
65°	930	965	1037	1078	1106	917
75°	470	520	600	666	682	499
85°	82	148	245	316	346	105
90°	6	63	151	217	245	5
95°	0	41	110	165	190	0
105°	0	30	82	126	143	0
115°	0	25	66	102	116	0
125°	0	22	52	77	91	0
135°	0	16	41	58	69	0
145°	3	14	30	41	47	2
155°	3	8	19	28	30	1
165°	3	6	8	14	14	1
175°	3	3	3	3	6	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2741.9	2741.9	2741.9	2741.9	2741.9
2.5°	2744.6	2755.6	2750.1	2744.6	2741.9
5°	2733.6	2739.1	2733.6	2733.6	2747.4
7.5°	2717.1	2725.4	2714.4	2730.9	2733.6
10°	2697.9	2708.9	2706.1	2711.6	2681.4
12.5°	2664.9	2678.6	2667.6	2681.4	2673.1
15°	2623.6	2629.1	2637.4	2645.6	2651.1
17.5°	2563.1	2587.9	2596.1	2604.4	2609.9
20°	2527.4	2541.1	2549.4	2546.6	2538.4
22.5°	2472.4	2480.6	2505.4	2499.9	2516.4
25°	2381.6	2422.9	2439.4	2442.1	2453.1
27.5°	2356.9	2359.6	2378.9	2395.4	2365.1
30°	2260.6	2293.6	2321.1	2329.4	2340.4
32.5°	2194.6	2222.1	2238.6	2268.9	2274.4
35°	2131.4	2139.6	2158.9	2194.6	2200.1
37.5°	2035.1	2059.8	2098.3	2117.6	2120.4
40°	1941.6	1971.8	2002.1	2024.1	2046.1
42.5°	1870.1	1886.6	1922.3	1949.8	1947.1
45°	1765.6	1787.6	1839.8	1867.3	1875.6
47.5°	1672.1	1705.1	1743.6	1784.8	1793.1
50°	1567.6	1603.3	1658.3	1688.6	1705.1
52.5°	1479.6	1501.6	1556.6	1586.8	1611.6
55°	1366.8	1402.6	1454.8	1485.1	1515.3
57.5°	1256.8	1300.8	1353.1	1402.6	1419.1
60°	1146.8	1190.8	1237.6	1292.6	1303.6
62.5°	1042.3	1089.1	1138.6	1193.6	1215.6
65°	929.5	965.3	1036.8	1078.1	1105.6
67.5°	811.3	855.3	924.0	970.8	1003.8
70°	701.3	750.8	816.8	874.5	893.8
72.5°	580.3	640.8	704.0	764.5	792.0
75°	470.3	519.8	599.5	665.5	682.0
77.5°	365.8	412.5	497.8	563.8	588.5
80°	255.8	313.5	404.3	470.3	500.5
82.5°	162.3	222.8	316.3	387.8	420.8
85°	82.5	148.5	244.8	316.3	346.5
87.5°	27.5	93.5	187.0	261.3	291.5
90°	5.5	63.3	151.3	217.3	244.8
92.5°	0.0	46.8	126.5	187.0	211.8
95°	0.0	41.3	110.0	165.0	189.8
97.5°	0.0	38.5	101.8	151.3	170.5
100°	0.0	35.8	93.5	140.3	159.5
102.5°	0.0	33.0	88.0	132.0	151.3
105°	0.0	30.3	82.5	126.5	143.0



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

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	27.5	71.5	104.5	121.0
115°	0.0	24.8	66.0	101.8	115.5
117.5°	0.0	24.8	63.3	93.5	107.3
120°	0.0	22.0	57.8	88.0	101.8
122.5°	0.0	22.0	55.0	85.3	96.3
125°	0.0	22.0	52.3	77.0	90.8
127.5°	0.0	19.3	49.5	74.3	82.5
130°	0.0	19.3	46.8	68.8	77.0
132.5°	0.0	16.5	44.0	63.3	71.5
135°	0.0	16.5	41.3	57.8	68.8
137.5°	0.0	16.5	38.5	55.0	60.5
140°	0.0	13.8	35.8	49.5	57.8
142.5°	2.8	13.8	30.3	46.8	52.3
145°	2.8	13.8	30.3	41.3	46.8
147.5°	2.8	11.0	27.5	38.5	44.0
150°	2.8	11.0	24.8	33.0	38.5
152.5°	2.8	8.3	22.0	30.3	33.0
155°	2.8	8.3	19.3	27.5	30.3
157.5°	2.8	8.3	16.5	22.0	24.8
160°	2.8	5.5	13.8	19.3	22.0
162.5°	2.8	5.5	11.0	16.5	19.3
165°	2.8	5.5	8.3	13.8	13.8
167.5°	2.8	5.5	8.3	11.0	11.0
170°	2.8	2.8	5.5	8.3	8.3
172.5°	2.8	2.8	5.5	5.5	5.5
175°	2.8	2.8	2.8	2.8	5.5
177.5°	2.8	2.8	2.8	2.8	2.8
180°	2.8	2.8	2.8	2.8	2.8



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	30.3	79.8	118.3	134.8
110°	0.0	27.5	74.3	112.8	129.3



(END OF REPORT)