

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: P709910

Luminaire Tested: **8AWWS-L3C39-UNV-5000K-LOW**

Issue Date: 9/26/2023



Test Information

Test Method: LM-79-08
Report Number: P709910
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-5000K-LOW
Description: 8foot, Wide Adapt Surface Wrap with, RD lens and LOW lumen setting,
5000K, 90CRI

Light Source: -
Ballast/Driver: -

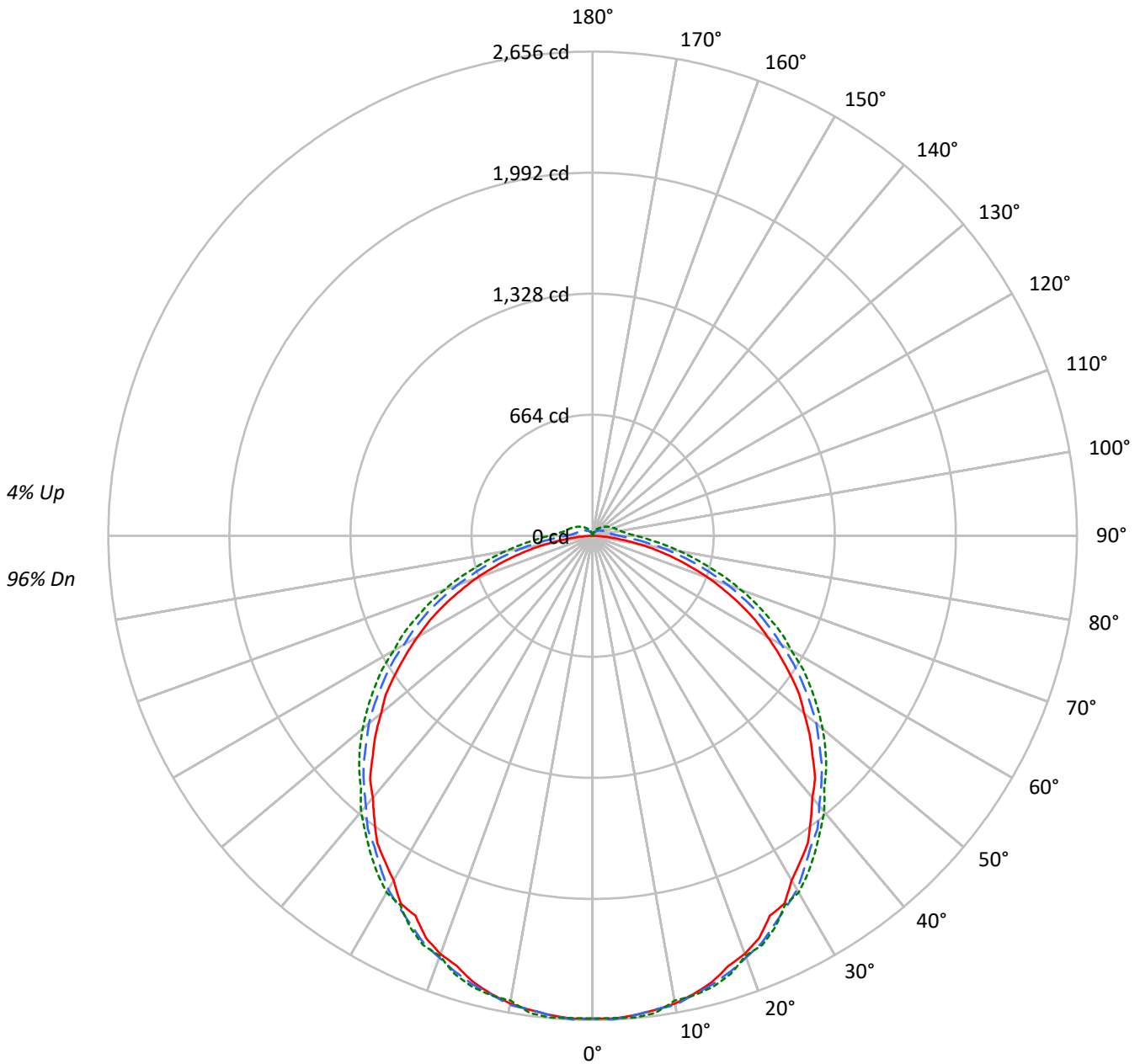
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8167.0 lumens
Efficiency: N/A
Efficacy: 148.5 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): 55
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°	4628	4628	4628
5°	4622	4567	4573
10°	4605	4510	4435
15°	4557	4418	4392
20°	4502	4326	4243
25°	4388	4226	4170
30°	4348	4139	4079
35°	4322	3998	3965
40°	4197	3886	3847
45°	4120	3782	3716
50°	4007	3653	3599
55°	3895	3481	3450
60°	3724	3266	3248
65°	3539	3078	3068
70°	3256	2795	2822
75°	2825	2442	2521
80°	2200	2054	2251
85°	1267	1669	2008



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.3	3.1
10°-20°	718.3	8.8
20°-30°	1083.8	13.3
30°-40°	1308.0	16.0
40°-50°	1363.1	16.7
50°-60°	1249.4	15.3
60°-70°	979.8	12.0
70°-80°	605.7	7.4
80°-90°	256.8	3.1
90°-100°	112.5	1.4
100°-110°	79.8	1.0
110°-120°	59.9	0.7
120°-130°	42.7	0.5
130°-140°	28.2	0.3
140°-150°	16.7	0.2
150°-160°	8.0	0.1
160°-170°	2.6	0.0
170°-180°	0.4	0.0
0°-30°	2053.4	25.1
0°-40°	3361.4	41.2
0°-60°	5973.9	73.1
0°-90°	7816.2	95.7
90°-120°	252.2	3.1
90°-150°	339.8	4.2
90°-180°	351.0	4.3
0°-180°	8167.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2648	2648	2648	2648	2648	
5°	2640	2645	2640	2640	2653	251
15°	2534	2539	2547	2555	2560	714
25°	2300	2340	2356	2358	2369	1070
35°	2058	2066	2085	2119	2125	1280
45°	1705	1726	1777	1803	1811	1317
55°	1320	1354	1405	1434	1463	1179
65°	898	932	1001	1041	1068	886
75°	454	502	579	643	659	482
85°	80	143	236	305	335	101
90°	5	61	146	210	236	5
95°	0	40	106	159	183	0
105°	0	29	80	122	138	0
115°	0	24	64	98	112	0
125°	0	21	50	74	88	0
135°	0	16	40	56	66	0
145°	3	13	29	40	45	1
155°	3	8	19	27	29	1
165°	3	5	8	13	13	1
175°	3	3	3	3	5	0
180°	3	3	3	3	3	



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CATALOG NUMBER: 8AWWS-L3C39-UNV-5000K-LOW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2647.9	2647.9	2647.9	2647.9	2647.9
2.5°	2650.5	2661.1	2655.8	2650.5	2647.9
5°	2639.9	2645.2	2639.9	2639.9	2653.2
7.5°	2624.0	2631.9	2621.3	2637.2	2639.9
10°	2605.4	2616.0	2613.3	2618.6	2589.4
12.5°	2573.5	2586.8	2576.2	2589.4	2581.5
15°	2533.7	2539.0	2546.9	2554.9	2560.2
17.5°	2475.2	2499.1	2507.1	2515.1	2520.4
20°	2440.7	2454.0	2461.9	2459.3	2451.3
22.5°	2387.6	2395.6	2419.5	2414.1	2430.1
25°	2299.9	2339.8	2355.7	2358.4	2369.0
27.5°	2276.0	2278.7	2297.3	2313.2	2284.0
30°	2183.1	2215.0	2241.5	2249.5	2260.1
32.5°	2119.3	2145.9	2161.8	2191.1	2196.4
35°	2058.3	2066.2	2084.8	2119.3	2124.7
37.5°	1965.3	1989.2	2026.4	2045.0	2047.6
40°	1875.0	1904.2	1933.4	1954.7	1975.9
42.5°	1806.0	1821.9	1856.4	1883.0	1880.3
45°	1705.0	1726.3	1776.7	1803.3	1811.3
47.5°	1614.7	1646.6	1683.8	1723.6	1731.6
50°	1513.8	1548.3	1601.5	1630.7	1646.6
52.5°	1428.8	1450.1	1503.2	1532.4	1556.3
55°	1319.9	1354.5	1404.9	1434.1	1463.4
57.5°	1213.7	1256.2	1306.7	1354.5	1370.4
60°	1107.5	1150.0	1195.1	1248.2	1258.9
62.5°	1006.6	1051.7	1099.5	1152.6	1173.9
65°	897.7	932.2	1001.2	1041.1	1067.6
67.5°	783.5	826.0	892.4	937.5	969.4
70°	677.2	725.0	788.8	844.6	863.1
72.5°	560.4	618.8	679.9	738.3	764.9
75°	454.1	502.0	579.0	642.7	658.6
77.5°	353.2	398.4	480.7	544.4	568.3
80°	247.0	302.8	390.4	454.1	483.4
82.5°	156.7	215.1	305.4	374.5	406.3
85°	79.7	143.4	236.4	305.4	334.6
87.5°	26.6	90.3	180.6	252.3	281.5
90°	5.3	61.1	146.1	209.8	236.4
92.5°	0.0	45.1	122.2	180.6	204.5
95°	0.0	39.8	106.2	159.3	183.3
97.5°	0.0	37.2	98.3	146.1	164.7
100°	0.0	34.5	90.3	135.4	154.0
102.5°	0.0	31.9	85.0	127.5	146.1
105°	0.0	29.2	79.7	122.2	138.1



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CATALOG NUMBER: 8AWWS-L3C39-UNV-5000K-LOW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	26.6	69.1	100.9	116.9
115°	0.0	23.9	63.7	98.3	111.5
117.5°	0.0	23.9	61.1	90.3	103.6
120°	0.0	21.2	55.8	85.0	98.3
122.5°	0.0	21.2	53.1	82.3	93.0
125°	0.0	21.2	50.5	74.4	87.6
127.5°	0.0	18.6	47.8	71.7	79.7
130°	0.0	18.6	45.1	66.4	74.4
132.5°	0.0	15.9	42.5	61.1	69.1
135°	0.0	15.9	39.8	55.8	66.4
137.5°	0.0	15.9	37.2	53.1	58.4
140°	0.0	13.3	34.5	47.8	55.8
142.5°	2.7	13.3	29.2	45.1	50.5
145°	2.7	13.3	29.2	39.8	45.1
147.5°	2.7	10.6	26.6	37.2	42.5
150°	2.7	10.6	23.9	31.9	37.2
152.5°	2.7	8.0	21.2	29.2	31.9
155°	2.7	8.0	18.6	26.6	29.2
157.5°	2.7	8.0	15.9	21.2	23.9
160°	2.7	5.3	13.3	18.6	21.2
162.5°	2.7	5.3	10.6	15.9	18.6
165°	2.7	5.3	8.0	13.3	13.3
167.5°	2.7	5.3	8.0	10.6	10.6
170°	2.7	2.7	5.3	8.0	8.0
172.5°	2.7	2.7	5.3	5.3	5.3
175°	2.7	2.7	2.7	2.7	5.3
177.5°	2.7	2.7	2.7	2.7	2.7
180°	2.7	2.7	2.7	2.7	2.7



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	29.2	77.0	114.2	130.1
110°	0.0	26.6	71.7	108.9	124.8



(END OF REPORT)