

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: P709898

Luminaire Tested: **8AWWS-L3C3-UNV-4000K-LOW**

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709898
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-L3C3-UNV-4000K-LOW
Description: 8foot, Wide Adapt Surface Wrap with, RD lens and LOW lumen setting,
4000K, 80CRI

Light Source: -
Ballast/Driver: -

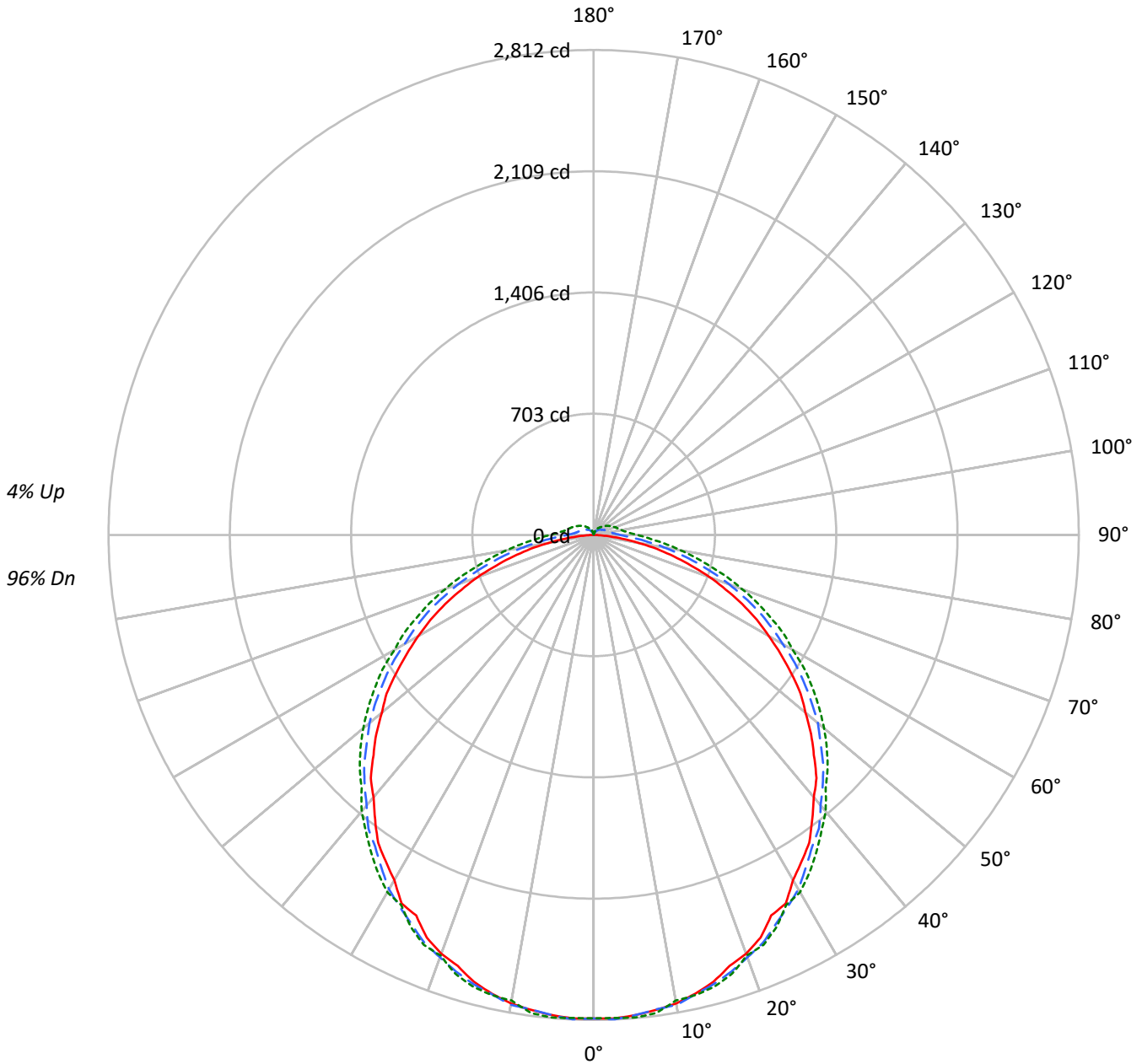
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8646.0 lumens
Efficiency: N/A
Efficacy: 151.7 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): 57
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°	4899	4899	4899
5°	4893	4835	4841
10°	4875	4774	4696
15°	4824	4677	4649
20°	4766	4579	4492
25°	4646	4473	4415
30°	4603	4382	4318
35°	4576	4232	4197
40°	4443	4114	4073
45°	4362	4005	3934
50°	4242	3868	3810
55°	4123	3685	3652
60°	3942	3458	3439
65°	3746	3258	3248
70°	3447	2958	2988
75°	2991	2585	2669
80°	2329	2174	2383
85°	1340	1766	2127



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	266.1	3.1
10°-20°	760.4	8.8
20°-30°	1147.3	13.3
30°-40°	1384.7	16.0
40°-50°	1443.0	16.7
50°-60°	1322.7	15.3
60°-70°	1037.3	12.0
70°-80°	641.2	7.4
80°-90°	271.9	3.1
90°-100°	119.1	1.4
100°-110°	84.5	1.0
110°-120°	63.4	0.7
120°-130°	45.2	0.5
130°-140°	29.8	0.3
140°-150°	17.7	0.2
150°-160°	8.4	0.1
160°-170°	2.8	0.0
170°-180°	0.4	0.0
0°-30°	2173.8	25.1
0°-40°	3558.6	41.2
0°-60°	6324.3	73.1
0°-90°	8274.6	95.7
90°-120°	267.0	3.1
90°-150°	359.7	4.2
90°-180°	371.0	4.3
0°-180°	8646.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2803	2803	2803	2803	2803	
5°	2795	2800	2795	2795	2809	266
15°	2682	2688	2696	2705	2710	755
25°	2435	2477	2494	2497	2508	1133
35°	2179	2187	2207	2244	2249	1355
45°	1805	1828	1881	1909	1918	1394
55°	1397	1434	1487	1518	1549	1248
65°	950	987	1060	1102	1130	938
75°	481	531	613	680	697	511
85°	84	152	250	323	354	107
90°	6	65	155	222	250	5
95°	0	42	112	169	194	0
105°	0	31	84	129	146	0
115°	0	25	68	104	118	0
125°	0	22	53	79	93	0
135°	0	17	42	59	70	0
145°	3	14	31	42	48	2
155°	3	8	20	28	31	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°	2803.2	2803.2	2803.2	2803.2	2803.2
2.5°	2806.0	2817.2	2811.6	2806.0	2803.2
5°	2794.7	2800.3	2794.7	2794.7	2808.8
7.5°	2777.9	2786.3	2775.0	2791.9	2794.7
10°	2758.2	2769.4	2766.6	2772.2	2741.3
12.5°	2724.4	2738.5	2727.2	2741.3	2732.9
15°	2682.3	2687.9	2696.3	2704.8	2710.4
17.5°	2620.4	2645.7	2654.1	2662.6	2668.2
20°	2583.9	2597.9	2606.3	2603.5	2595.1
22.5°	2527.6	2536.1	2561.4	2555.7	2572.6
25°	2434.8	2477.0	2493.9	2496.7	2507.9
27.5°	2409.5	2412.3	2432.0	2448.9	2418.0
30°	2311.1	2344.9	2373.0	2381.4	2392.7
32.5°	2243.6	2271.8	2288.6	2319.6	2325.2
35°	2179.0	2187.4	2207.1	2243.6	2249.3
37.5°	2080.6	2105.9	2145.2	2164.9	2167.7
40°	1985.0	2015.9	2046.8	2069.3	2091.8
42.5°	1911.9	1928.8	1965.3	1993.4	1990.6
45°	1805.0	1827.5	1881.0	1909.1	1917.5
47.5°	1709.4	1743.2	1782.5	1824.7	1833.2
50°	1602.6	1639.2	1695.4	1726.3	1743.2
52.5°	1512.6	1535.1	1591.4	1622.3	1647.6
55°	1397.4	1433.9	1487.3	1518.3	1549.2
57.5°	1284.9	1329.9	1383.3	1433.9	1450.8
60°	1172.4	1217.4	1265.2	1321.4	1332.7
62.5°	1065.6	1113.4	1164.0	1220.2	1242.7
65°	950.3	986.9	1060.0	1102.1	1130.3
67.5°	829.4	874.4	944.7	992.5	1026.2
70°	717.0	767.6	835.0	894.1	913.8
72.5°	593.2	655.1	719.8	781.6	809.7
75°	480.8	531.4	612.9	680.4	697.3
77.5°	373.9	421.7	508.9	576.4	601.7
80°	261.5	320.5	413.3	480.8	511.7
82.5°	165.9	227.7	323.3	396.4	430.2
85°	84.3	151.8	250.2	323.3	354.3
87.5°	28.1	95.6	191.2	267.1	298.0
90°	5.6	64.7	154.6	222.1	250.2
92.5°	0.0	47.8	129.3	191.2	216.5
95°	0.0	42.2	112.5	168.7	194.0
97.5°	0.0	39.4	104.0	154.6	174.3
100°	0.0	36.6	95.6	143.4	163.1
102.5°	0.0	33.7	90.0	135.0	154.6
105°	0.0	30.9	84.3	129.3	146.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	28.1	73.1	106.8	123.7
115°	0.0	25.3	67.5	104.0	118.1
117.5°	0.0	25.3	64.7	95.6	109.7
120°	0.0	22.5	59.0	90.0	104.0
122.5°	0.0	22.5	56.2	87.2	98.4
125°	0.0	22.5	53.4	78.7	92.8
127.5°	0.0	19.7	50.6	75.9	84.3
130°	0.0	19.7	47.8	70.3	78.7
132.5°	0.0	16.9	45.0	64.7	73.1
135°	0.0	16.9	42.2	59.0	70.3
137.5°	0.0	16.9	39.4	56.2	61.9
140°	0.0	14.1	36.6	50.6	59.0
142.5°	2.8	14.1	30.9	47.8	53.4
145°	2.8	14.1	30.9	42.2	47.8
147.5°	2.8	11.2	28.1	39.4	45.0
150°	2.8	11.2	25.3	33.7	39.4
152.5°	2.8	8.4	22.5	30.9	33.7
155°	2.8	8.4	19.7	28.1	30.9
157.5°	2.8	8.4	16.9	22.5	25.3
160°	2.8	5.6	14.1	19.7	22.5
162.5°	2.8	5.6	11.2	16.9	19.7
165°	2.8	5.6	8.4	14.1	14.1
167.5°	2.8	5.6	8.4	11.2	11.2
170°	2.8	2.8	5.6	8.4	8.4
172.5°	2.8	2.8	5.6	5.6	5.6
175°	2.8	2.8	2.8	2.8	5.6
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	30.9	81.5	120.9	137.8
110°	0.0	28.1	75.9	115.3	132.1



(END OF REPORT)