

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: P709901

Luminaire Tested: **8AWWS-L3C3-UNV-5000K-LOW**

Issue Date: 9/26/2023



Test Information

Test Method: LM-79-08
Report Number: P709901
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-5000K-LOW
Description: 8foot, Wide Adapt Surface Wrap with, RD lens and LOW lumen setting,
5000K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

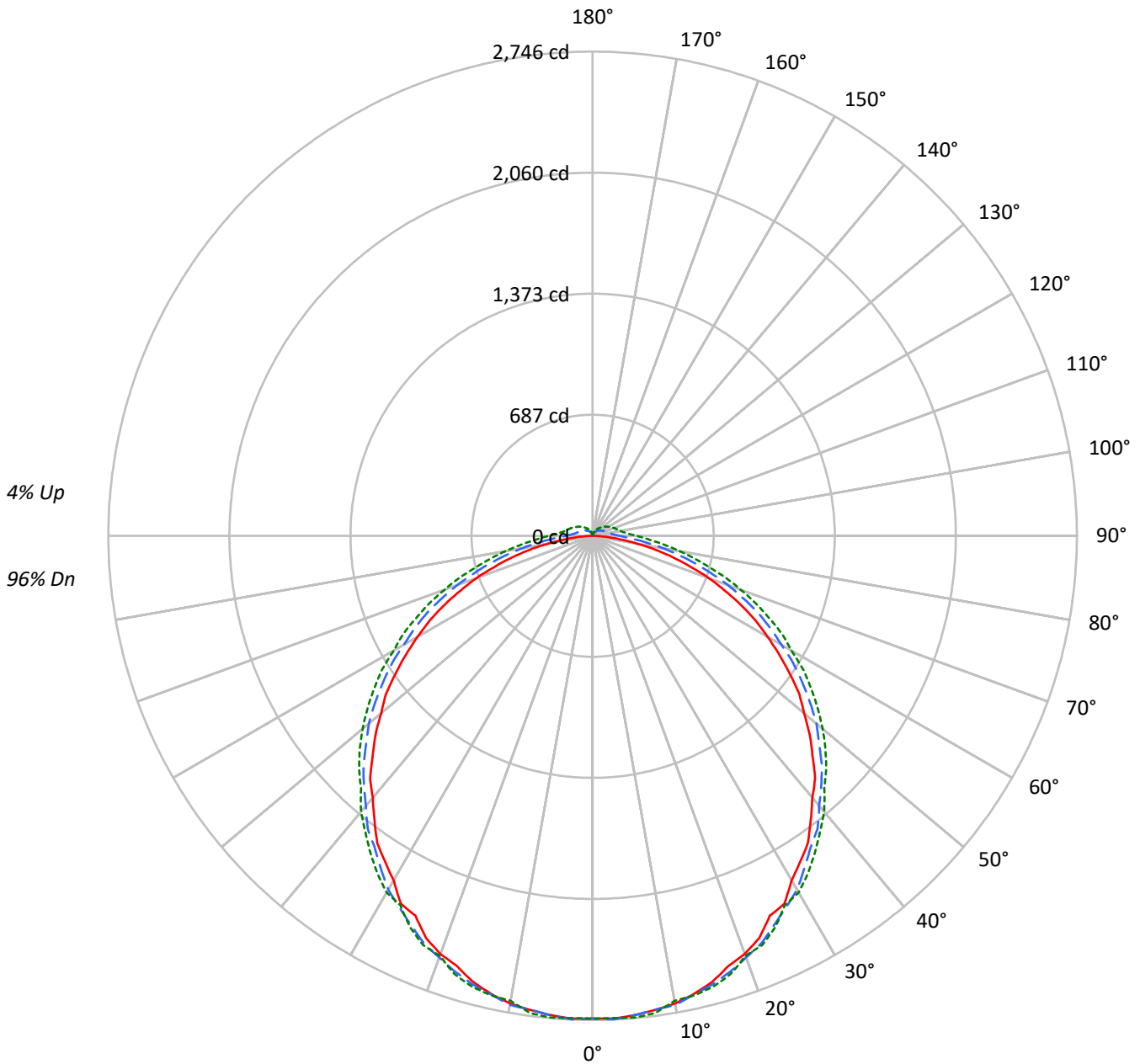
Lumens per Lamp: N/A
Luminaire Lumens: 8444.0 lumens
Efficiency: N/A
Efficacy: 143.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.27 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 7.42' x H: 0.17')
CIE Type: Direct

Input Watts (W): 59
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					20									
RC	80					70					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	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°	4785	4785	4785
5°	4779	4722	4728
10°	4761	4663	4586
15°	4711	4568	4541
20°	4655	4472	4387
25°	4537	4369	4312
30°	4496	4279	4217
35°	4469	4133	4099
40°	4340	4018	3978
45°	4260	3911	3842
50°	4143	3777	3721
55°	4027	3599	3567
60°	3850	3377	3358
65°	3659	3182	3172
70°	3366	2889	2918
75°	2921	2525	2606
80°	2275	2123	2327
85°	1309	1725	2077



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	259.9	3.1
10°-20°	742.7	8.8
20°-30°	1120.5	13.3
30°-40°	1352.4	16.0
40°-50°	1409.3	16.7
50°-60°	1291.8	15.3
60°-70°	1013.0	12.0
70°-80°	626.2	7.4
80°-90°	265.6	3.1
90°-100°	116.3	1.4
100°-110°	82.5	1.0
110°-120°	61.9	0.7
120°-130°	44.2	0.5
130°-140°	29.1	0.3
140°-150°	17.3	0.2
150°-160°	8.2	0.1
160°-170°	2.7	0.0
170°-180°	0.4	0.0
0°-30°	2123.0	25.1
0°-40°	3475.4	41.2
0°-60°	6176.5	73.1
0°-90°	8081.4	95.7
90°-120°	260.8	3.1
90°-150°	351.3	4.2
90°-180°	363.0	4.3
0°-180°	8444.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2738	2738	2738	2738	2738	
5°	2729	2735	2729	2729	2743	259
15°	2620	2625	2633	2642	2647	738
25°	2378	2419	2436	2438	2449	1106
35°	2128	2136	2156	2191	2197	1323
45°	1763	1785	1837	1864	1873	1361
55°	1365	1400	1453	1483	1513	1219
65°	928	964	1035	1076	1104	916
75°	470	519	599	664	681	499
85°	82	148	244	316	346	105
90°	6	63	151	217	244	5
95°	0	41	110	165	190	0
105°	0	30	82	126	143	0
115°	0	25	66	102	115	0
125°	0	22	52	77	91	0
135°	0	16	41	58	69	0
145°	3	14	30	41	47	1
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°	2737.7	2737.7	2737.7	2737.7	2737.7
2.5°	2740.4	2751.4	2745.9	2740.4	2737.7
5°	2729.4	2734.9	2729.4	2729.4	2743.2
7.5°	2713.0	2721.2	2710.2	2726.7	2729.4
10°	2693.7	2704.7	2702.0	2707.5	2677.3
12.5°	2660.8	2674.5	2663.5	2677.3	2669.0
15°	2619.6	2625.1	2633.3	2641.6	2647.1
17.5°	2559.2	2583.9	2592.1	2600.4	2605.9
20°	2523.5	2537.2	2545.5	2542.7	2534.5
22.5°	2468.6	2476.8	2501.5	2496.0	2512.5
25°	2378.0	2419.1	2435.6	2438.4	2449.3
27.5°	2353.2	2356.0	2375.2	2391.7	2361.5
30°	2257.1	2290.1	2317.5	2325.8	2336.8
32.5°	2191.2	2218.7	2235.2	2265.4	2270.9
35°	2128.1	2136.3	2155.5	2191.2	2196.7
37.5°	2032.0	2056.7	2095.1	2114.3	2117.1
40°	1938.6	1968.8	1999.0	2021.0	2043.0
42.5°	1867.2	1883.7	1919.4	1946.8	1944.1
45°	1762.9	1784.8	1837.0	1864.5	1872.7
47.5°	1669.5	1702.5	1740.9	1782.1	1790.3
50°	1565.2	1600.9	1655.8	1686.0	1702.5
52.5°	1477.3	1499.3	1554.2	1584.4	1609.1
55°	1364.7	1400.4	1452.6	1482.8	1513.0
57.5°	1254.9	1298.8	1351.0	1400.4	1416.9
60°	1145.0	1189.0	1235.7	1290.6	1301.6
62.5°	1040.7	1087.4	1136.8	1191.7	1213.7
65°	928.1	963.8	1035.2	1076.4	1103.9
67.5°	810.0	854.0	922.6	969.3	1002.3
70°	700.2	749.6	815.5	873.2	892.4
72.5°	579.4	639.8	703.0	763.4	790.8
75°	469.5	519.0	598.6	664.5	681.0
77.5°	365.2	411.9	497.0	562.9	587.6
80°	255.4	313.0	403.6	469.5	499.8
82.5°	162.0	222.4	315.8	387.2	420.1
85°	82.4	148.3	244.4	315.8	346.0
87.5°	27.5	93.4	186.7	260.9	291.1
90°	5.5	63.2	151.0	216.9	244.4
92.5°	0.0	46.7	126.3	186.7	211.4
95°	0.0	41.2	109.8	164.8	189.5
97.5°	0.0	38.4	101.6	151.0	170.2
100°	0.0	35.7	93.4	140.0	159.3
102.5°	0.0	33.0	87.9	131.8	151.0
105°	0.0	30.2	82.4	126.3	142.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	27.5	71.4	104.3	120.8
115°	0.0	24.7	65.9	101.6	115.3
117.5°	0.0	24.7	63.2	93.4	107.1
120°	0.0	22.0	57.7	87.9	101.6
122.5°	0.0	22.0	54.9	85.1	96.1
125°	0.0	22.0	52.2	76.9	90.6
127.5°	0.0	19.2	49.4	74.1	82.4
130°	0.0	19.2	46.7	68.6	76.9
132.5°	0.0	16.5	43.9	63.2	71.4
135°	0.0	16.5	41.2	57.7	68.6
137.5°	0.0	16.5	38.4	54.9	60.4
140°	0.0	13.7	35.7	49.4	57.7
142.5°	2.7	13.7	30.2	46.7	52.2
145°	2.7	13.7	30.2	41.2	46.7
147.5°	2.7	11.0	27.5	38.4	43.9
150°	2.7	11.0	24.7	33.0	38.4
152.5°	2.7	8.2	22.0	30.2	33.0
155°	2.7	8.2	19.2	27.5	30.2
157.5°	2.7	8.2	16.5	22.0	24.7
160°	2.7	5.5	13.7	19.2	22.0
162.5°	2.7	5.5	11.0	16.5	19.2
165°	2.7	5.5	8.2	13.7	13.7
167.5°	2.7	5.5	8.2	11.0	11.0
170°	2.7	2.7	5.5	8.2	8.2
172.5°	2.7	2.7	5.5	5.5	5.5
175°	2.7	2.7	2.7	2.7	5.5
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	30.2	79.6	118.1	134.5
110°	0.0	27.5	74.1	112.6	129.1



(END OF REPORT)