

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: P709847

Luminaire Tested: **4AWWS-L3C3-HO-UNV-5000K-LOW**

Issue Date: 9/26/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P709847  
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: 4AWS-L3C3-HO-UNV-5000K-LOW  
Description: 4foot, Wide Adapt Surface Wrap with, RD lens and LOW lumen setting,  
5000K, 80CRI  
  
Light Source: -  
Ballast/Driver: -

**Summary**

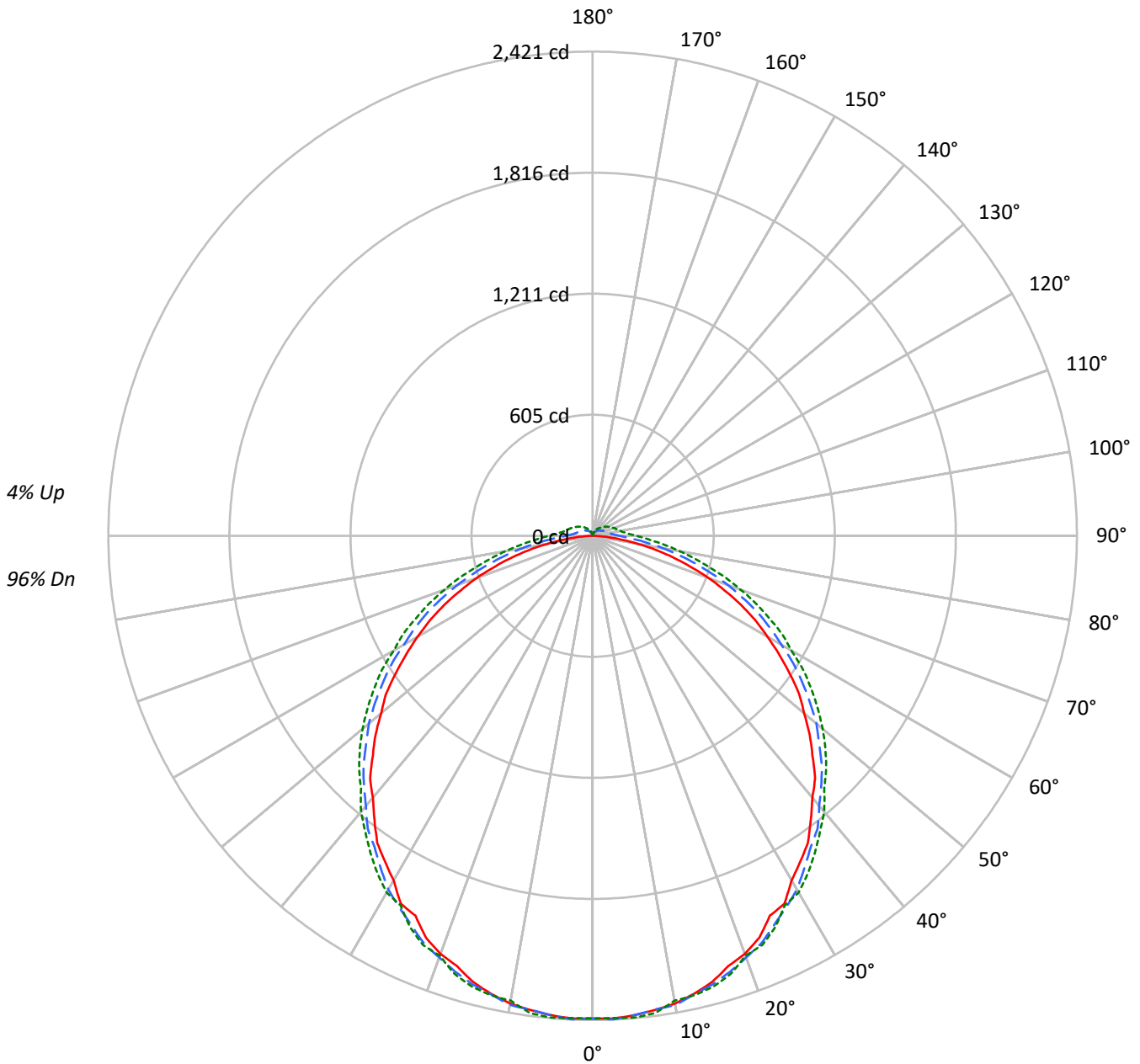
Lumens per Lamp: N/A  
Luminaire Lumens: 7444.0 lumens  
Efficiency: N/A  
Efficacy: 143.2 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.27 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 3.71' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 52  
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

TEST NUMBER: P709847

CATALOG NUMBER: 4AWWS-L3C3-HO-UNV-5000K-LOW

### 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	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°	8437	8437	8437
5°	8409	8314	8336
10°	8361	8199	8086
15°	8256	8020	8006
20°	8140	7842	7735
25°	7916	7649	7602
30°	7825	7481	7436
35°	7757	7214	7228
40°	7510	7001	7013
45°	7346	6801	6774
50°	7115	6554	6560
55°	6882	6228	6289
60°	6538	5827	5921
65°	6162	5470	5592
70°	5604	4942	5145
75°	4774	4290	4595
80°	3597	3572	4103
85°	1911	2855	3661



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	229.1	3.1
10°-20°	654.7	8.8
20°-30°	987.8	13.3
30°-40°	1192.2	16.0
40°-50°	1242.4	16.7
50°-60°	1138.8	15.3
60°-70°	893.1	12.0
70°-80°	552.1	7.4
80°-90°	234.1	3.1
90°-100°	102.5	1.4
100°-110°	72.8	1.0
110°-120°	54.6	0.7
120°-130°	38.9	0.5
130°-140°	25.7	0.3
140°-150°	15.2	0.2
150°-160°	7.3	0.1
160°-170°	2.4	0.0
170°-180°	0.3	0.0
0°-30°	1871.6	25.1
0°-40°	3063.8	41.2
0°-60°	5445.1	73.1
0°-90°	7124.3	95.7
90°-120°	229.9	3.1
90°-150°	309.7	4.2
90°-180°	320.0	4.3
0°-180°	7444.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2414	2414	2414	2414	2414	
5°	2406	2411	2406	2406	2418	229
15°	2309	2314	2322	2329	2334	650
25°	2096	2133	2147	2150	2159	975
35°	1876	1883	1900	1932	1937	1166
45°	1554	1574	1620	1644	1651	1200
55°	1203	1235	1281	1307	1334	1075
65°	818	850	913	949	973	807
75°	414	458	528	586	600	440
85°	73	131	215	278	305	92
90°	5	56	133	191	215	5
95°	0	36	97	145	167	0
105°	0	27	73	111	126	0
115°	0	22	58	90	102	0
125°	0	19	46	68	80	0
135°	0	14	36	51	60	0
145°	2	12	27	36	41	1
155°	2	7	17	24	27	1
165°	2	5	7	12	12	1
175°	2	2	2	2	5	0
180°	2	2	2	2	2	



TEST NUMBER: P709847

CATALOG NUMBER: 4AWWS-L3C3-HO-UNV-5000K-LOW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2413.5	2413.5	2413.5	2413.5	2413.5
2.5°	2415.9	2425.6	2420.7	2415.9	2413.5
5°	2406.2	2411.0	2406.2	2406.2	2418.3
7.5°	2391.7	2398.9	2389.2	2403.8	2406.2
10°	2374.7	2384.4	2382.0	2386.8	2360.2
12.5°	2345.7	2357.8	2348.1	2360.2	2352.9
15°	2309.4	2314.2	2321.5	2328.7	2333.6
17.5°	2256.1	2277.9	2285.2	2292.4	2297.3
20°	2224.6	2236.7	2244.0	2241.6	2234.3
22.5°	2176.2	2183.5	2205.3	2200.4	2215.0
25°	2096.3	2132.6	2147.2	2149.6	2159.3
27.5°	2074.6	2077.0	2093.9	2108.4	2081.8
30°	1989.8	2018.9	2043.1	2050.3	2060.0
32.5°	1931.7	1955.9	1970.5	1997.1	2001.9
35°	1876.1	1883.3	1900.3	1931.7	1936.6
37.5°	1791.3	1813.1	1847.0	1863.9	1866.4
40°	1709.0	1735.7	1762.3	1781.6	1801.0
42.5°	1646.1	1660.6	1692.1	1716.3	1713.9
45°	1554.1	1573.5	1619.5	1643.7	1650.9
47.5°	1471.8	1500.8	1534.7	1571.0	1578.3
50°	1379.8	1411.3	1459.7	1486.3	1500.8
52.5°	1302.3	1321.7	1370.1	1396.8	1418.5
55°	1203.1	1234.6	1280.6	1307.2	1333.8
57.5°	1106.3	1145.0	1191.0	1234.6	1249.1
60°	1009.4	1048.2	1089.3	1137.7	1147.4
62.5°	917.5	958.6	1002.2	1050.6	1070.0
65°	818.2	849.7	912.6	948.9	973.1
67.5°	714.1	752.8	813.4	854.5	883.6
70°	617.3	660.9	719.0	769.8	786.7
72.5°	510.8	564.0	619.7	673.0	697.2
75°	413.9	457.5	527.7	585.8	600.3
77.5°	322.0	363.1	438.1	496.2	518.0
80°	225.1	276.0	355.8	413.9	440.6
82.5°	142.8	196.1	278.4	341.3	370.4
85°	72.6	130.7	215.4	278.4	305.0
87.5°	24.2	82.3	164.6	230.0	256.6
90°	4.8	55.7	133.1	191.2	215.4
92.5°	0.0	41.2	111.4	164.6	186.4
95°	0.0	36.3	96.8	145.2	167.0
97.5°	0.0	33.9	89.6	133.1	150.1
100°	0.0	31.5	82.3	123.5	140.4
102.5°	0.0	29.0	77.5	116.2	133.1
105°	0.0	26.6	72.6	111.4	125.9



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CATALOG NUMBER: 4AWWS-L3C3-HO-UNV-5000K-LOW

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	24.2	62.9	92.0	106.5
115°	0.0	21.8	58.1	89.6	101.7
117.5°	0.0	21.8	55.7	82.3	94.4
120°	0.0	19.4	50.8	77.5	89.6
122.5°	0.0	19.4	48.4	75.0	84.7
125°	0.0	19.4	46.0	67.8	79.9
127.5°	0.0	16.9	43.6	65.4	72.6
130°	0.0	16.9	41.2	60.5	67.8
132.5°	0.0	14.5	38.7	55.7	62.9
135°	0.0	14.5	36.3	50.8	60.5
137.5°	0.0	14.5	33.9	48.4	53.3
140°	0.0	12.1	31.5	43.6	50.8
142.5°	2.4	12.1	26.6	41.2	46.0
145°	2.4	12.1	26.6	36.3	41.2
147.5°	2.4	9.7	24.2	33.9	38.7
150°	2.4	9.7	21.8	29.0	33.9
152.5°	2.4	7.3	19.4	26.6	29.0
155°	2.4	7.3	16.9	24.2	26.6
157.5°	2.4	7.3	14.5	19.4	21.8
160°	2.4	4.8	12.1	16.9	19.4
162.5°	2.4	4.8	9.7	14.5	16.9
165°	2.4	4.8	7.3	12.1	12.1
167.5°	2.4	4.8	7.3	9.7	9.7
170°	2.4	2.4	4.8	7.3	7.3
172.5°	2.4	2.4	4.8	4.8	4.8
175°	2.4	2.4	2.4	2.4	4.8
177.5°	2.4	2.4	2.4	2.4	2.4
180°	2.4	2.4	2.4	2.4	2.4



Report Generated By 670246072 / DESKTOP-MV3F9LC







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







107.5°	0.0	26.6	70.2	104.1	118.6
110°	0.0	24.2	65.4	99.2	113.8



(END OF REPORT)