

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: P709722

Luminaire Tested: **4AWS-L3C3-HO-UNV-5000K-MID**

Issue Date: 9/26/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P709722  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2307-090-6)  
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-MID  
Description: 4foot, Adapt Surface Wrap with, RD lens and MID lumen setting,  
5000K, 80CRI  
  
Light Source: -  
Ballast/Driver: -

**Summary**

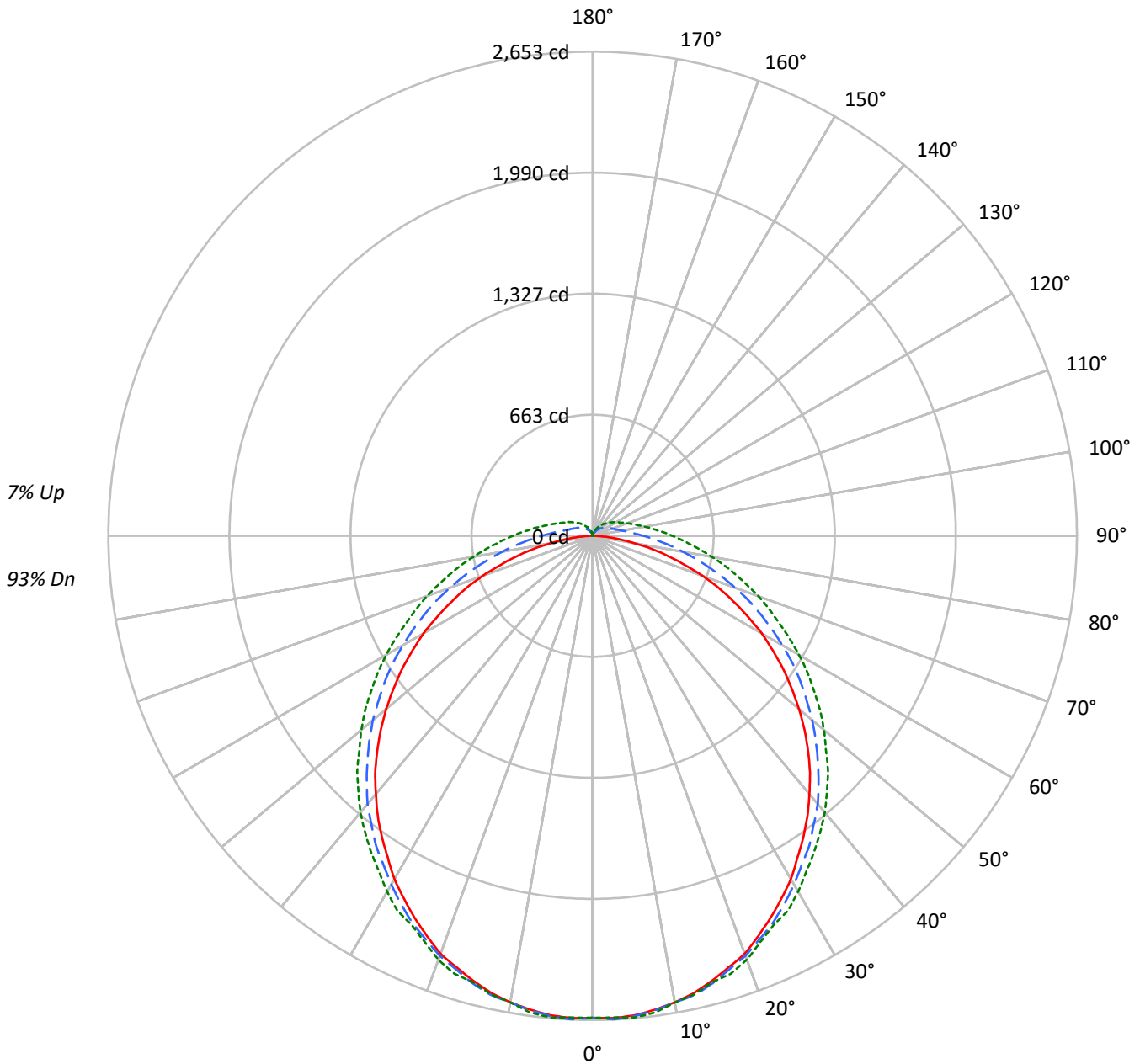
Lumens per Lamp: N/A  
Luminaire Lumens: 8556.0 lumens  
Efficiency: N/A  
Efficacy: 133.7 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 3.71' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 64  
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

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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	0
RCR																					
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	96	96	96	93
1	106	101	96	92	102	98	93	89	92	89	85	87	84	81	82	80	78	78	78	78	75
2	96	87	80	74	93	85	78	72	80	74	70	76	71	67	71	68	64	64	64	64	62
3	87	76	68	61	84	74	66	60	70	63	58	66	61	56	63	58	54	54	54	54	52
4	80	67	58	51	77	65	57	51	62	55	49	59	53	48	56	51	46	46	46	46	44
5	73	60	51	44	71	58	50	43	56	48	42	53	46	41	50	45	40	40	40	40	38
6	68	54	45	38	65	53	44	38	50	43	37	48	41	36	46	40	35	35	35	35	33
7	63	49	40	34	60	48	39	33	46	38	33	43	37	32	42	36	31	31	31	31	29
8	58	45	36	30	56	44	35	30	42	34	29	40	33	29	38	32	28	28	28	28	26
9	54	41	33	27	53	40	32	27	38	31	26	37	30	26	35	29	25	25	25	25	23
10	51	38	30	24	49	37	29	24	35	29	24	34	28	23	33	27	23	23	23	23	21

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	16661	16661	16661
5°	16653	16426	16398
10°	16533	16040	15896
15°	16341	15708	15452
20°	16168	15281	15148
25°	15827	14841	14581
30°	15530	14351	14252
35°	15158	13919	13773
40°	14804	13457	13369
45°	14420	12889	12904
50°	13944	12357	12379
55°	13404	11784	11855
60°	12793	11135	11344
65°	11884	10477	10757
70°	10832	9737	10366
75°	9298	8995	9954
80°	7084	8402	9702
85°	4200	8047	9767



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	250.7	2.9
10°-20°	715.1	8.4
20°-30°	1075.9	12.6
30°-40°	1292.1	15.1
40°-50°	1345.4	15.7
50°-60°	1236.2	14.4
60°-70°	992.9	11.6
70°-80°	676.9	7.9
80°-90°	384.7	4.5
90°-100°	215.5	2.5
100°-110°	136.4	1.6
110°-120°	93.1	1.1
120°-130°	63.9	0.7
130°-140°	40.7	0.5
140°-150°	22.6	0.3
150°-160°	10.3	0.1
160°-170°	3.3	0.0
170°-180°	0.4	0.0
0°-30°	2041.6	23.9
0°-40°	3333.7	39.0
0°-60°	5915.4	69.1
0°-90°	7969.9	93.1
90°-120°	444.9	5.2
90°-150°	572.1	6.7
90°-180°	586.0	6.8
0°-180°	8556.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2642	2642	2642	2642	2642	
5°	2638	2642	2642	2645	2649	250
15°	2524	2520	2539	2547	2532	712
25°	2308	2308	2339	2362	2350	1064
35°	2013	2025	2070	2100	2116	1260
45°	1669	1688	1745	1798	1824	1287
55°	1275	1313	1389	1453	1480	1139
65°	852	916	1014	1090	1124	844
75°	428	518	655	764	806	453
85°	80	204	375	496	537	98
90°	4	121	276	390	435	5
95°	0	76	208	314	352	0
105°	0	49	132	208	238	0
115°	0	38	98	151	170	0
125°	4	26	76	114	129	2
135°	4	23	57	83	95	3
145°	4	15	38	57	61	2
155°	4	11	23	34	38	2
165°	4	8	11	15	19	1
175°	4	4	4	4	4	0
180°	4	4	4	4	4	



TEST NUMBER: P709722

CATALOG NUMBER: 4AWS-L3C3-HO-UNV-5000K-MID

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2641.5	2641.5	2641.5	2641.5	2641.5
2.5°	2645.3	2641.5	2652.9	2649.1	2641.5
5°	2637.7	2641.5	2641.5	2645.3	2649.1
7.5°	2618.8	2611.2	2622.6	2633.9	2633.9
10°	2596.1	2588.5	2596.1	2603.7	2596.1
12.5°	2565.8	2550.7	2577.2	2577.2	2573.4
15°	2524.2	2520.4	2539.3	2546.9	2531.8
17.5°	2478.8	2490.1	2490.1	2505.3	2516.6
20°	2437.2	2429.6	2448.5	2459.9	2471.2
22.5°	2372.8	2369.0	2391.7	2410.7	2406.9
25°	2308.5	2308.5	2338.8	2361.5	2350.1
27.5°	2240.4	2240.4	2274.4	2297.1	2316.1
30°	2172.2	2179.8	2206.3	2236.6	2251.7
32.5°	2089.0	2107.9	2134.4	2176.0	2179.8
35°	2013.3	2024.7	2070.1	2100.3	2115.5
37.5°	1933.8	1937.6	1990.6	2032.2	2047.4
40°	1846.8	1854.4	1918.7	1956.5	1979.2
42.5°	1763.5	1771.1	1831.6	1880.8	1899.8
45°	1668.9	1687.8	1744.6	1797.6	1824.1
47.5°	1574.3	1600.8	1657.6	1718.1	1733.3
50°	1475.9	1502.4	1570.5	1619.7	1653.8
52.5°	1373.7	1407.8	1475.9	1540.2	1570.5
55°	1275.3	1313.2	1388.9	1453.2	1479.7
57.5°	1169.4	1214.8	1298.0	1366.2	1396.4
60°	1071.0	1108.8	1199.7	1271.6	1305.6
62.5°	957.5	1006.6	1105.0	1184.5	1214.8
65°	851.5	915.8	1014.2	1089.9	1124.0
67.5°	749.3	813.6	923.4	1002.9	1044.5
70°	639.6	711.5	828.8	919.6	965.0
72.5°	526.0	609.3	741.7	843.9	881.8
75°	427.6	518.5	654.7	764.4	806.1
77.5°	329.2	423.9	575.2	688.8	734.2
80°	230.8	336.8	503.3	620.6	662.3
82.5°	151.4	268.7	435.2	552.5	597.9
85°	79.5	204.4	374.7	495.8	537.4
87.5°	26.5	155.2	321.7	442.8	484.4
90°	3.8	121.1	276.3	389.8	435.2
92.5°	0.0	94.6	238.4	351.9	393.6
95°	0.0	75.7	208.1	314.1	351.9
97.5°	0.0	64.3	185.4	280.0	321.7
100°	0.0	56.8	162.7	253.6	287.6
102.5°	0.0	53.0	147.6	227.1	261.1
105°	0.0	49.2	132.5	208.1	238.4



TEST NUMBER: P709722

CATALOG NUMBER: 4AWS-L3C3-HO-UNV-5000K-MID

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	37.8	106.0	162.7	185.4
115°	0.0	37.8	98.4	151.4	170.3
117.5°	0.0	34.1	94.6	140.0	158.9
120°	0.0	30.3	87.0	132.5	151.4
122.5°	0.0	30.3	79.5	124.9	140.0
125°	3.8	26.5	75.7	113.5	128.7
127.5°	3.8	26.5	71.9	106.0	121.1
130°	3.8	22.7	64.3	98.4	109.7
132.5°	3.8	22.7	60.6	90.8	102.2
135°	3.8	22.7	56.8	83.3	94.6
137.5°	3.8	18.9	49.2	75.7	87.0
140°	3.8	18.9	45.4	68.1	79.5
142.5°	3.8	18.9	41.6	60.6	71.9
145°	3.8	15.1	37.8	56.8	60.6
147.5°	3.8	15.1	34.1	49.2	56.8
150°	3.8	11.4	30.3	41.6	49.2
152.5°	3.8	11.4	26.5	37.8	41.6
155°	3.8	11.4	22.7	34.1	37.8
157.5°	3.8	11.4	18.9	30.3	30.3
160°	3.8	7.6	15.1	22.7	26.5
162.5°	3.8	7.6	15.1	18.9	22.7
165°	3.8	7.6	11.4	15.1	18.9
167.5°	3.8	3.8	7.6	11.4	15.1
170°	3.8	3.8	7.6	7.6	11.4
172.5°	3.8	3.8	3.8	3.8	7.6
175°	3.8	3.8	3.8	3.8	3.8
177.5°	3.8	3.8	3.8	0.0	0.0
180°	3.8	3.8	3.8	3.8	3.8



Report Generated By 670246072 / DESKTOP-MV3F9LC







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







107.5°	0.0	45.4	124.9	189.2	219.5
110°	0.0	41.6	113.5	174.1	200.6



(END OF REPORT)