

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: P709719

Luminaire Tested: **4AWS-L3C3-HO-UNV-4000K-MID**

Issue Date: 9/26/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P709719  
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-4000K-MID  
Description: 4foot, Adapt Surface Wrap with, RD lens and MID lumen setting,  
4000K, 80CRI  
  
Light Source: -  
Ballast/Driver: -

**Summary**

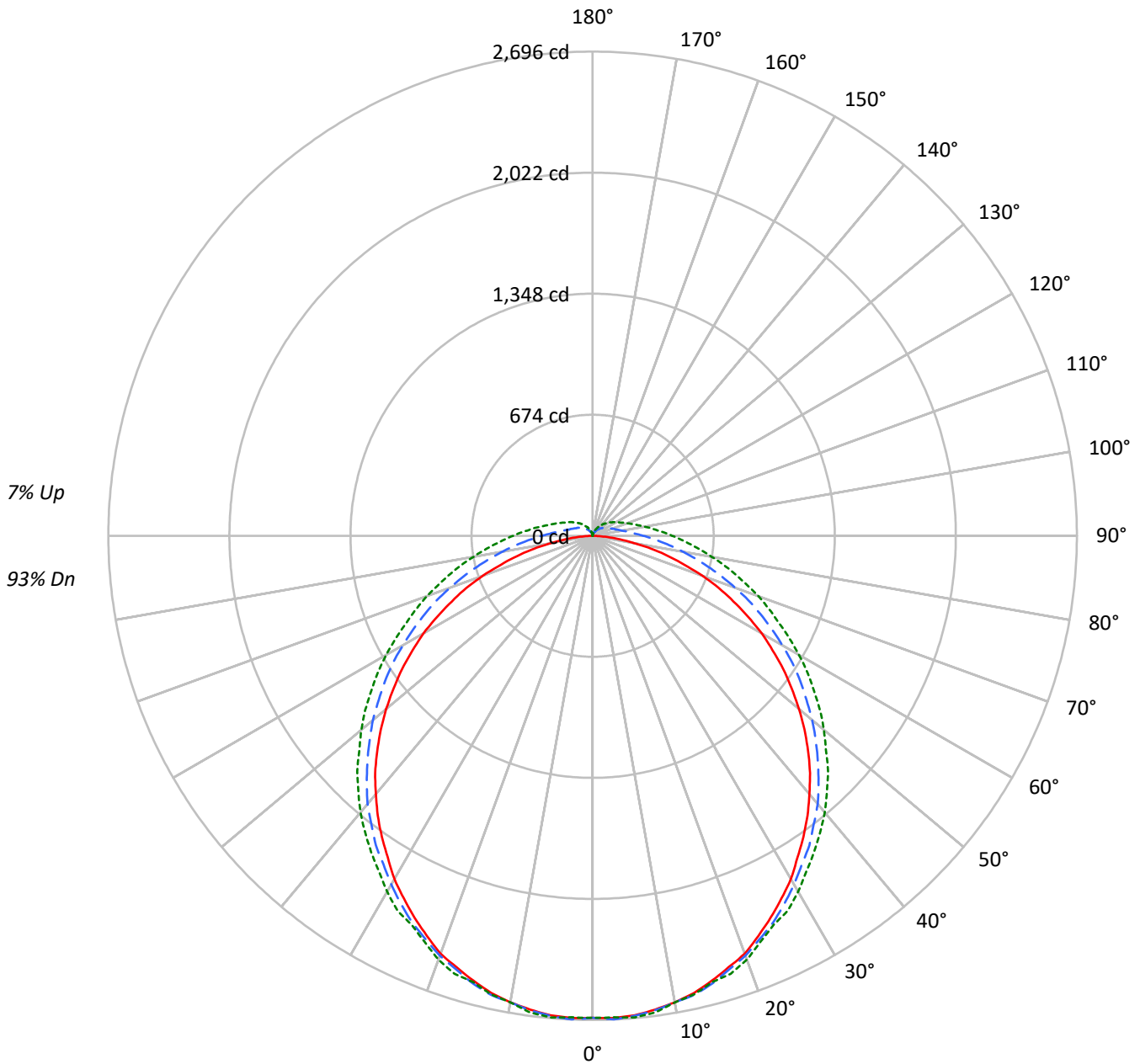
Lumens per Lamp: N/A  
Luminaire Lumens: 8694.0 lumens  
Efficiency: N/A  
Efficacy: 140.2 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 3.71' x H: 0.12')  
CIE Type: Direct

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

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

	0°	45°	90°
0°	16929	16929	16929
5°	16922	16691	16662
10°	16799	16299	16152
15°	16604	15962	15701
20°	16429	15528	15393
25°	16082	15081	14816
30°	15781	14582	14482
35°	15403	14143	13995
40°	15043	13673	13585
45°	14652	13097	13112
50°	14169	12557	12579
55°	13621	11974	12046
60°	13000	11314	11527
65°	12075	10647	10930
70°	11007	9895	10534
75°	9448	9140	10114
80°	7200	8537	9859
85°	4269	8176	9925



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	254.7	2.9
10°-20°	726.6	8.4
20°-30°	1093.3	12.6
30°-40°	1312.9	15.1
40°-50°	1367.1	15.7
50°-60°	1256.2	14.4
60°-70°	1008.9	11.6
70°-80°	687.8	7.9
80°-90°	390.9	4.5
90°-100°	219.0	2.5
100°-110°	138.6	1.6
110°-120°	94.6	1.1
120°-130°	65.0	0.7
130°-140°	41.3	0.5
140°-150°	23.0	0.3
150°-160°	10.4	0.1
160°-170°	3.3	0.0
170°-180°	0.4	0.0
0°-30°	2074.6	23.9
0°-40°	3387.5	39.0
0°-60°	6010.8	69.1
0°-90°	8098.5	93.1
90°-120°	452.1	5.2
90°-150°	581.4	6.7
90°-180°	596.0	6.9
0°-180°	8694.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2684	2684	2684	2684	2684	
5°	2680	2684	2684	2688	2692	254
15°	2565	2561	2580	2588	2573	724
25°	2346	2346	2376	2400	2388	1081
35°	2046	2057	2104	2134	2150	1280
45°	1696	1715	1773	1827	1854	1308
55°	1296	1334	1411	1477	1504	1157
65°	865	931	1031	1108	1142	858
75°	434	527	665	777	819	460
85°	81	208	381	504	546	99
90°	4	123	281	396	442	5
95°	0	77	212	319	358	0
105°	0	50	135	212	242	0
115°	0	38	100	154	173	0
125°	4	27	77	115	131	2
135°	4	23	58	85	96	3
145°	4	15	38	58	62	2
155°	4	12	23	35	38	2
165°	4	8	12	15	19	1
175°	4	4	4	4	4	0
180°	4	4	4	4	4	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2684.1	2684.1	2684.1	2684.1	2684.1
2.5°	2688.0	2684.1	2695.6	2691.8	2684.1
5°	2680.3	2684.1	2684.1	2688.0	2691.8
7.5°	2661.0	2653.3	2664.9	2676.4	2676.4
10°	2638.0	2630.3	2638.0	2645.7	2638.0
12.5°	2607.2	2591.8	2618.7	2618.7	2614.9
15°	2564.9	2561.1	2580.3	2588.0	2572.6
17.5°	2518.8	2530.3	2530.3	2545.7	2557.2
20°	2476.5	2468.8	2488.0	2499.5	2511.1
22.5°	2411.1	2407.2	2430.3	2449.5	2445.7
25°	2345.7	2345.7	2376.5	2399.6	2388.0
27.5°	2276.5	2276.5	2311.1	2334.2	2353.4
30°	2207.3	2215.0	2241.9	2272.7	2288.0
32.5°	2122.7	2141.9	2168.8	2211.1	2215.0
35°	2045.8	2057.3	2103.5	2134.2	2149.6
37.5°	1965.0	1968.9	2022.7	2065.0	2080.4
40°	1876.6	1884.3	1949.6	1988.1	2011.2
42.5°	1792.0	1799.7	1861.2	1911.2	1930.4
45°	1695.8	1715.1	1772.7	1826.6	1853.5
47.5°	1599.7	1626.6	1684.3	1745.8	1761.2
50°	1499.7	1526.6	1595.9	1645.8	1680.5
52.5°	1395.9	1430.5	1499.7	1565.1	1595.9
55°	1295.9	1334.4	1411.3	1476.6	1503.6
57.5°	1188.2	1234.4	1319.0	1388.2	1419.0
60°	1088.3	1126.7	1219.0	1292.1	1326.7
62.5°	972.9	1022.9	1122.9	1203.6	1234.4
65°	865.2	930.6	1030.6	1107.5	1142.1
67.5°	761.4	826.8	938.3	1019.0	1061.3
70°	649.9	722.9	842.2	934.4	980.6
72.5°	534.5	619.1	753.7	857.5	896.0
75°	434.5	526.8	665.3	776.8	819.1
77.5°	334.6	430.7	584.5	699.9	746.0
80°	234.6	342.2	511.4	630.7	673.0
82.5°	153.8	273.0	442.2	561.4	607.6
85°	80.8	207.7	380.7	503.8	546.1
87.5°	26.9	157.7	326.9	449.9	492.2
90°	3.8	123.1	280.7	396.1	442.2
92.5°	0.0	96.1	242.3	357.6	399.9
95°	0.0	76.9	211.5	319.2	357.6
97.5°	0.0	65.4	188.4	284.6	326.9
100°	0.0	57.7	165.4	257.6	292.3
102.5°	0.0	53.8	150.0	230.7	265.3
105°	0.0	50.0	134.6	211.5	242.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	38.5	107.7	165.4	188.4
115°	0.0	38.5	100.0	153.8	173.0
117.5°	0.0	34.6	96.1	142.3	161.5
120°	0.0	30.8	88.4	134.6	153.8
122.5°	0.0	30.8	80.8	126.9	142.3
125°	3.8	26.9	76.9	115.4	130.7
127.5°	3.8	26.9	73.1	107.7	123.1
130°	3.8	23.1	65.4	100.0	111.5
132.5°	3.8	23.1	61.5	92.3	103.8
135°	3.8	23.1	57.7	84.6	96.1
137.5°	3.8	19.2	50.0	76.9	88.4
140°	3.8	19.2	46.1	69.2	80.8
142.5°	3.8	19.2	42.3	61.5	73.1
145°	3.8	15.4	38.5	57.7	61.5
147.5°	3.8	15.4	34.6	50.0	57.7
150°	3.8	11.5	30.8	42.3	50.0
152.5°	3.8	11.5	26.9	38.5	42.3
155°	3.8	11.5	23.1	34.6	38.5
157.5°	3.8	11.5	19.2	30.8	30.8
160°	3.8	7.7	15.4	23.1	26.9
162.5°	3.8	7.7	15.4	19.2	23.1
165°	3.8	7.7	11.5	15.4	19.2
167.5°	3.8	3.8	7.7	11.5	15.4
170°	3.8	3.8	7.7	7.7	11.5
172.5°	3.8	3.8	3.8	3.8	7.7
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	46.1	126.9	192.3	223.0
110°	0.0	42.3	115.4	176.9	203.8



(END OF REPORT)