

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: P709747

Luminaire Tested: **4AWS-L3C39-CA-UNV-4000K-HI**

Issue Date: 9/26/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P709747  
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-L3C39-CA-UNV-4000K-HI  
Description: 4foot, Adapt Surface Wrap with, RD lens and HI lumen setting,  
4000K, 90CRI  
  
Light Source: -  
Ballast/Driver: -

**Summary**

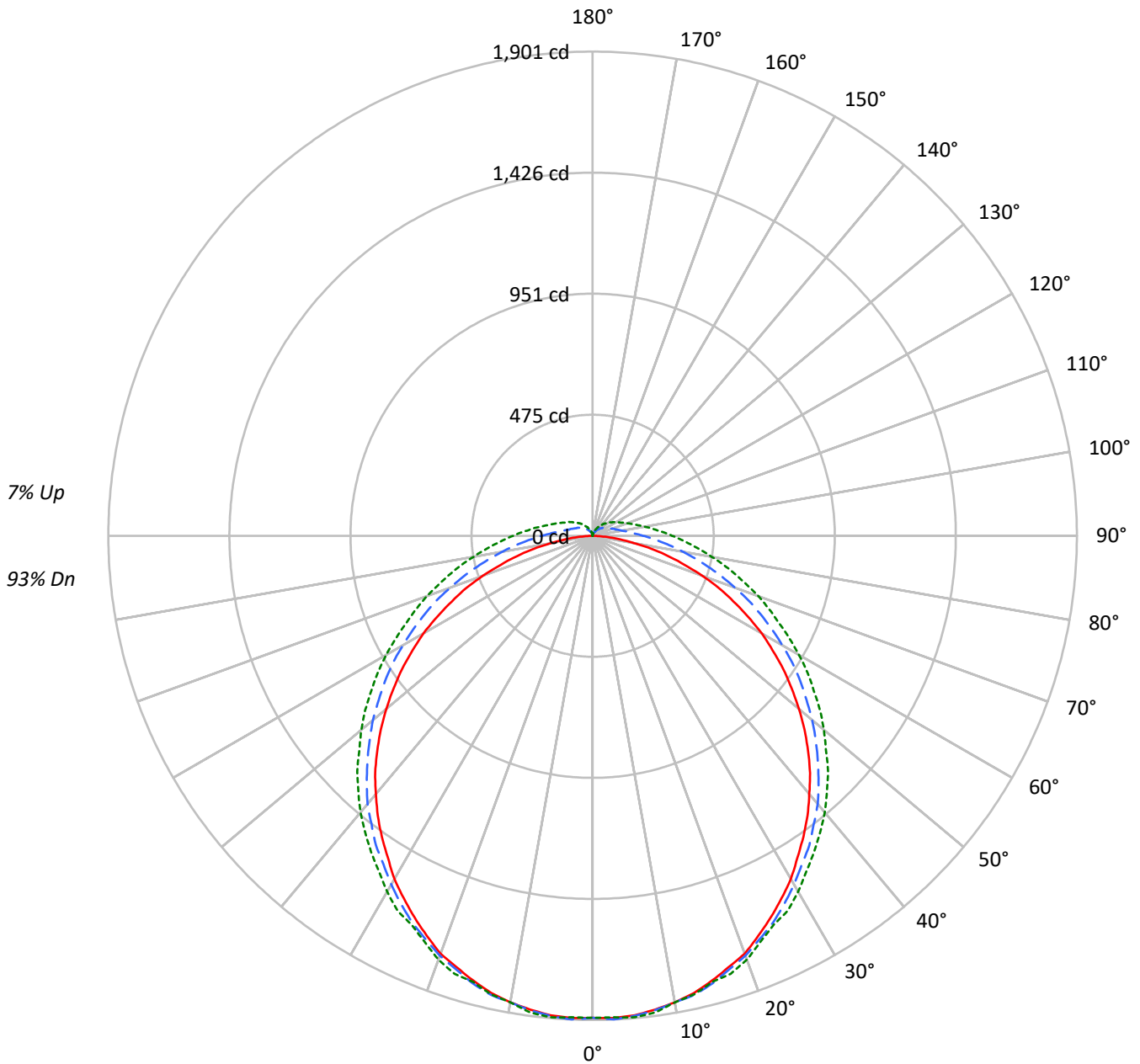
Lumens per Lamp: N/A  
Luminaire Lumens: 6130.0 lumens  
Efficiency: N/A  
Efficacy: 122.6 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 3.71' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 50  
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°	11936	11936	11936
5°	11931	11769	11748
10°	11845	11492	11389
15°	11708	11254	11070
20°	11583	10948	10853
25°	11339	10633	10447
30°	11127	10281	10212
35°	10860	9972	9867
40°	10606	9641	9578
45°	10331	9234	9245
50°	9990	8853	8869
55°	9604	8443	8493
60°	9166	7977	8127
65°	8515	7506	7707
70°	7760	6976	7427
75°	6662	6445	7131
80°	5076	6020	6951
85°	3006	5764	6997



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	179.6	2.9
10°-20°	512.3	8.4
20°-30°	770.8	12.6
30°-40°	925.7	15.1
40°-50°	964.0	15.7
50°-60°	885.7	14.4
60°-70°	711.3	11.6
70°-80°	485.0	7.9
80°-90°	275.7	4.5
90°-100°	154.4	2.5
100°-110°	97.7	1.6
110°-120°	66.7	1.1
120°-130°	45.8	0.7
130°-140°	29.1	0.5
140°-150°	16.2	0.3
150°-160°	7.4	0.1
160°-170°	2.3	0.0
170°-180°	0.3	0.0
0°-30°	1462.7	23.9
0°-40°	2388.4	39.0
0°-60°	4238.1	69.1
0°-90°	5710.1	93.1
90°-120°	318.8	5.2
90°-150°	409.9	6.7
90°-180°	420.0	6.9
0°-180°	6130.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1892	1892	1892	1892	1892	
5°	1890	1892	1892	1895	1898	179
15°	1808	1806	1819	1825	1814	510
25°	1654	1654	1676	1692	1684	762
35°	1442	1451	1483	1505	1516	902
45°	1196	1209	1250	1288	1307	922
55°	914	941	995	1041	1060	816
65°	610	656	727	781	805	605
75°	306	372	469	548	578	324
85°	57	146	268	355	385	70
90°	3	87	198	279	312	3
95°	0	54	149	225	252	0
105°	0	35	95	149	171	0
115°	0	27	70	108	122	0
125°	3	19	54	81	92	1
135°	3	16	41	60	68	2
145°	3	11	27	41	43	2
155°	3	8	16	24	27	1
165°	3	5	8	11	14	1
175°	3	3	3	3	3	0
180°	3	3	3	3	3	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1892.5	1892.5	1892.5	1892.5	1892.5
2.5°	1895.2	1892.5	1900.7	1897.9	1892.5
5°	1889.8	1892.5	1892.5	1895.2	1897.9
7.5°	1876.3	1870.8	1879.0	1887.1	1887.1
10°	1860.0	1854.6	1860.0	1865.4	1860.0
12.5°	1838.3	1827.5	1846.4	1846.4	1843.7
15°	1808.5	1805.8	1819.3	1824.7	1813.9
17.5°	1775.9	1784.1	1784.1	1794.9	1803.1
20°	1746.1	1740.7	1754.2	1762.4	1770.5
22.5°	1700.0	1697.3	1713.6	1727.1	1724.4
25°	1653.9	1653.9	1675.6	1691.9	1683.8
27.5°	1605.1	1605.1	1629.5	1645.8	1659.3
30°	1556.3	1561.7	1580.7	1602.4	1613.3
32.5°	1496.7	1510.2	1529.2	1559.0	1561.7
35°	1442.4	1450.6	1483.1	1504.8	1515.6
37.5°	1385.5	1388.2	1426.2	1456.0	1466.8
40°	1323.1	1328.6	1374.7	1401.8	1418.0
42.5°	1263.5	1268.9	1312.3	1347.5	1361.1
45°	1195.7	1209.3	1249.9	1287.9	1306.9
47.5°	1127.9	1146.9	1187.6	1231.0	1241.8
50°	1057.4	1076.4	1125.2	1160.5	1184.9
52.5°	984.2	1008.6	1057.4	1103.5	1125.2
55°	913.7	940.8	995.1	1041.2	1060.1
57.5°	837.8	870.3	930.0	978.8	1000.5
60°	767.3	794.4	859.5	911.0	935.4
62.5°	686.0	721.2	791.7	848.7	870.3
65°	610.1	656.1	726.6	780.9	805.3
67.5°	536.8	582.9	661.6	718.5	748.3
70°	458.2	509.7	593.8	658.9	691.4
72.5°	376.9	436.5	531.4	604.6	631.7
75°	306.4	371.5	469.1	547.7	577.5
77.5°	235.9	303.7	412.1	493.5	526.0
80°	165.4	241.3	360.6	444.7	474.5
82.5°	108.5	192.5	311.8	395.9	428.4
85°	56.9	146.4	268.4	355.2	385.0
87.5°	19.0	111.2	230.5	317.2	347.1
90°	2.7	86.8	197.9	279.3	311.8
92.5°	0.0	67.8	170.8	252.2	282.0
95°	0.0	54.2	149.1	225.0	252.2
97.5°	0.0	46.1	132.9	200.6	230.5
100°	0.0	40.7	116.6	181.7	206.1
102.5°	0.0	38.0	105.7	162.7	187.1
105°	0.0	35.2	94.9	149.1	170.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	27.1	75.9	116.6	132.9
115°	0.0	27.1	70.5	108.5	122.0
117.5°	0.0	24.4	67.8	100.3	113.9
120°	0.0	21.7	62.4	94.9	108.5
122.5°	0.0	21.7	56.9	89.5	100.3
125°	2.7	19.0	54.2	81.3	92.2
127.5°	2.7	19.0	51.5	75.9	86.8
130°	2.7	16.3	46.1	70.5	78.6
132.5°	2.7	16.3	43.4	65.1	73.2
135°	2.7	16.3	40.7	59.6	67.8
137.5°	2.7	13.6	35.2	54.2	62.4
140°	2.7	13.6	32.5	48.8	56.9
142.5°	2.7	13.6	29.8	43.4	51.5
145°	2.7	10.8	27.1	40.7	43.4
147.5°	2.7	10.8	24.4	35.2	40.7
150°	2.7	8.1	21.7	29.8	35.2
152.5°	2.7	8.1	19.0	27.1	29.8
155°	2.7	8.1	16.3	24.4	27.1
157.5°	2.7	8.1	13.6	21.7	21.7
160°	2.7	5.4	10.8	16.3	19.0
162.5°	2.7	5.4	10.8	13.6	16.3
165°	2.7	5.4	8.1	10.8	13.6
167.5°	2.7	2.7	5.4	8.1	10.8
170°	2.7	2.7	5.4	5.4	8.1
172.5°	2.7	2.7	2.7	2.7	5.4
175°	2.7	2.7	2.7	2.7	2.7
177.5°	2.7	2.7	2.7	0.0	0.0
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	32.5	89.5	135.6	157.3
110°	0.0	29.8	81.3	124.7	143.7



(END OF REPORT)