

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: P709864

Luminaire Tested: **4AWWS-L3C3-UNV-5000K-HI**

Issue Date: 9/26/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P709864  
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-UNV-5000K-HI  
Description: 4foot, Wide Adapt Surface Wrap with, RD lens and HI lumen setting,  
5000K, 80CRI  
  
Light Source: -  
Ballast/Driver: -

**Summary**

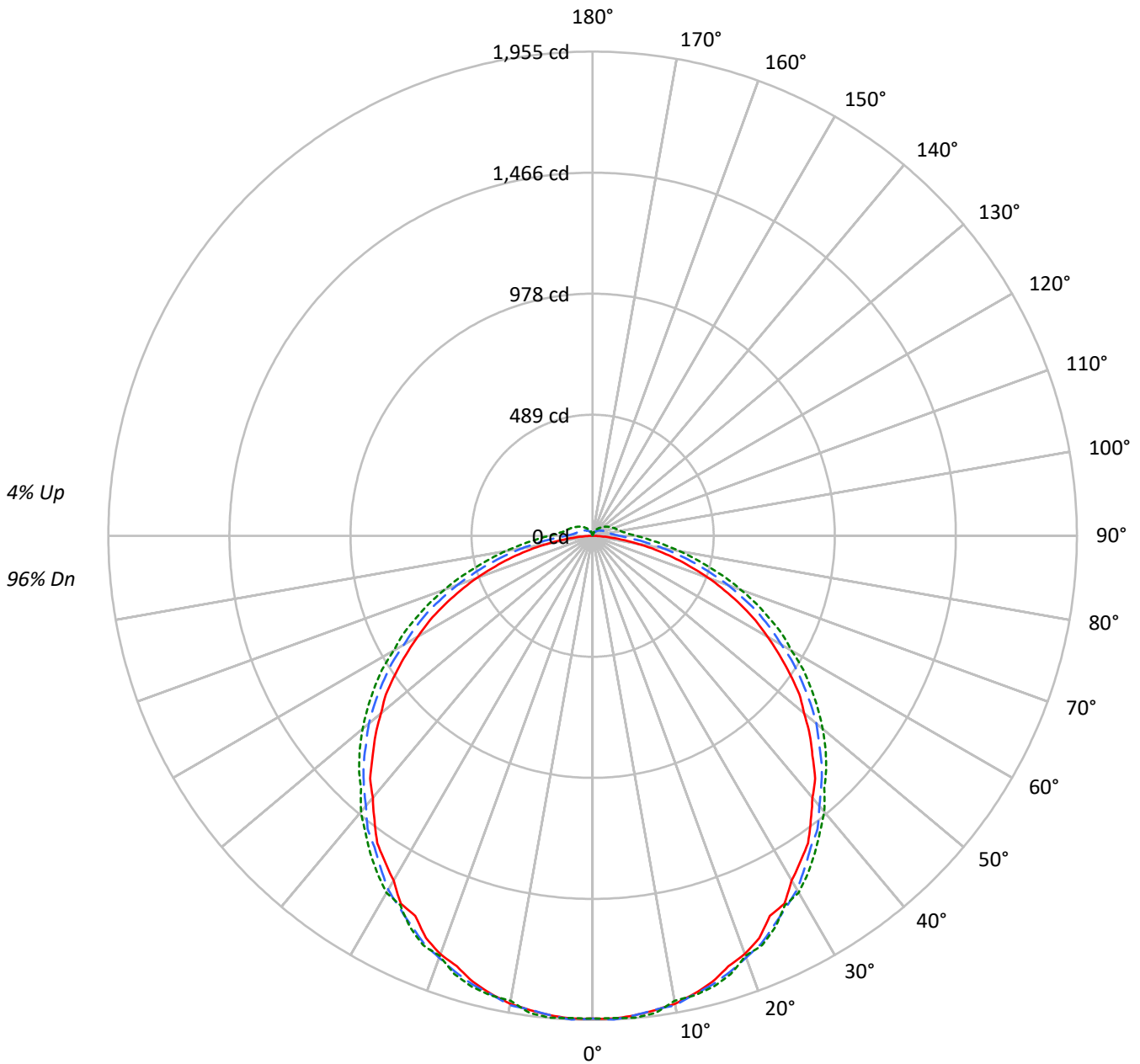
Lumens per Lamp: N/A  
Luminaire Lumens: 6013.0 lumens  
Efficiency: N/A  
Efficacy: 120.3 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.27 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 3.71' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 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	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°	6815	6815	6815
5°	6793	6716	6734
10°	6754	6623	6531
15°	6669	6478	6467
20°	6575	6334	6248
25°	6394	6179	6141
30°	6320	6043	6006
35°	6266	5827	5838
40°	6066	5655	5665
45°	5934	5493	5472
50°	5747	5294	5299
55°	5559	5031	5080
60°	5281	4707	4783
65°	4977	4418	4518
70°	4526	3991	4156
75°	3857	3465	3712
80°	2905	2885	3314
85°	1545	2306	2958



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	185.0	3.1
10°-20°	528.8	8.8
20°-30°	797.9	13.3
30°-40°	963.0	16.0
40°-50°	1003.6	16.7
50°-60°	919.9	15.3
60°-70°	721.4	12.0
70°-80°	446.0	7.4
80°-90°	189.1	3.1
90°-100°	82.8	1.4
100°-110°	58.8	1.0
110°-120°	44.1	0.7
120°-130°	31.5	0.5
130°-140°	20.7	0.3
140°-150°	12.3	0.2
150°-160°	5.9	0.1
160°-170°	1.9	0.0
170°-180°	0.3	0.0
0°-30°	1511.8	25.1
0°-40°	2474.9	41.2
0°-60°	4398.3	73.1
0°-90°	5754.8	95.7
90°-120°	185.7	3.1
90°-150°	250.2	4.2
90°-180°	258.0	4.3
0°-180°	6013.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1950	1950	1950	1950	1950	
5°	1944	1948	1944	1944	1953	185
15°	1865	1869	1875	1881	1885	525
25°	1693	1723	1734	1736	1744	788
35°	1515	1521	1535	1560	1564	942
45°	1255	1271	1308	1328	1334	969
55°	972	997	1034	1056	1077	868
65°	661	686	737	766	786	652
75°	334	370	426	473	485	355
85°	59	106	174	225	246	75
90°	4	45	108	154	174	4
95°	0	29	78	117	135	0
105°	0	22	59	90	102	0
115°	0	18	47	72	82	0
125°	0	16	37	55	64	0
135°	0	12	29	41	49	0
145°	2	10	22	29	33	1
155°	2	6	14	20	22	1
165°	2	4	6	10	10	1
175°	2	2	2	2	4	0
180°	2	2	2	2	2	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1949.5	1949.5	1949.5	1949.5	1949.5
2.5°	1951.5	1959.3	1955.4	1951.5	1949.5
5°	1943.6	1947.5	1943.6	1943.6	1953.4
7.5°	1931.9	1937.8	1929.9	1941.7	1943.6
10°	1918.2	1926.0	1924.1	1928.0	1906.5
12.5°	1894.7	1904.5	1896.7	1906.5	1900.6
15°	1865.4	1869.3	1875.2	1881.1	1885.0
17.5°	1822.4	1840.0	1845.9	1851.7	1855.6
20°	1797.0	1806.8	1812.6	1810.7	1804.8
22.5°	1757.9	1763.7	1781.3	1777.4	1789.2
25°	1693.3	1722.7	1734.4	1736.4	1744.2
27.5°	1675.7	1677.7	1691.4	1703.1	1681.6
30°	1607.3	1630.8	1650.3	1656.2	1664.0
32.5°	1560.4	1579.9	1591.7	1613.2	1617.1
35°	1515.4	1521.3	1535.0	1560.4	1564.3
37.5°	1447.0	1464.6	1491.9	1505.6	1507.6
40°	1380.5	1402.0	1423.5	1439.1	1454.8
42.5°	1329.6	1341.4	1366.8	1386.4	1384.4
45°	1255.3	1271.0	1308.1	1327.7	1333.6
47.5°	1188.9	1212.3	1239.7	1269.0	1274.9
50°	1114.6	1140.0	1179.1	1200.6	1212.3
52.5°	1052.0	1067.6	1106.7	1128.2	1145.8
55°	971.8	997.2	1034.4	1055.9	1077.4
57.5°	893.6	924.9	962.0	997.2	1009.0
60°	815.4	846.7	879.9	919.0	926.8
62.5°	741.1	774.3	809.5	848.6	864.3
65°	660.9	686.3	737.2	766.5	786.1
67.5°	576.8	608.1	657.0	690.2	713.7
70°	498.6	533.8	580.7	621.8	635.5
72.5°	412.6	455.6	500.6	543.6	563.1
75°	334.4	369.6	426.3	473.2	484.9
77.5°	260.1	293.3	353.9	400.9	418.4
80°	181.8	222.9	287.4	334.4	355.9
82.5°	115.4	158.4	224.9	275.7	299.2
85°	58.7	105.6	174.0	224.9	246.4
87.5°	19.6	66.5	133.0	185.8	207.3
90°	3.9	45.0	107.5	154.5	174.0
92.5°	0.0	33.2	89.9	133.0	150.6
95°	0.0	29.3	78.2	117.3	134.9
97.5°	0.0	27.4	72.3	107.5	121.2
100°	0.0	25.4	66.5	99.7	113.4
102.5°	0.0	23.5	62.6	93.9	107.5
105°	0.0	21.5	58.7	89.9	101.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	19.6	50.8	74.3	86.0
115°	0.0	17.6	46.9	72.3	82.1
117.5°	0.0	17.6	45.0	66.5	76.3
120°	0.0	15.6	41.1	62.6	72.3
122.5°	0.0	15.6	39.1	60.6	68.4
125°	0.0	15.6	37.2	54.8	64.5
127.5°	0.0	13.7	35.2	52.8	58.7
130°	0.0	13.7	33.2	48.9	54.8
132.5°	0.0	11.7	31.3	45.0	50.8
135°	0.0	11.7	29.3	41.1	48.9
137.5°	0.0	11.7	27.4	39.1	43.0
140°	0.0	9.8	25.4	35.2	41.1
142.5°	2.0	9.8	21.5	33.2	37.2
145°	2.0	9.8	21.5	29.3	33.2
147.5°	2.0	7.8	19.6	27.4	31.3
150°	2.0	7.8	17.6	23.5	27.4
152.5°	2.0	5.9	15.6	21.5	23.5
155°	2.0	5.9	13.7	19.6	21.5
157.5°	2.0	5.9	11.7	15.6	17.6
160°	2.0	3.9	9.8	13.7	15.6
162.5°	2.0	3.9	7.8	11.7	13.7
165°	2.0	3.9	5.9	9.8	9.8
167.5°	2.0	3.9	5.9	7.8	7.8
170°	2.0	2.0	3.9	5.9	5.9
172.5°	2.0	2.0	3.9	3.9	3.9
175°	2.0	2.0	2.0	2.0	3.9
177.5°	2.0	2.0	2.0	2.0	2.0
180°	2.0	2.0	2.0	2.0	2.0



Report Generated By 670246072 / DESKTOP-MV3F9LC







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







107.5°	0.0	21.5	56.7	84.1	95.8
110°	0.0	19.6	52.8	80.2	91.9



(END OF REPORT)