

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: P709762

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

Issue Date: 9/26/2023



Test Information

Test Method: LM-79-08
Report Number: P709762
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-UNV-4000K-HI
Description: 4foot, Adapt Surface Wrap with, RD lens and HI lumen setting,
4000K, 90CRI

Light Source: -
Ballast/Driver: -

Summary

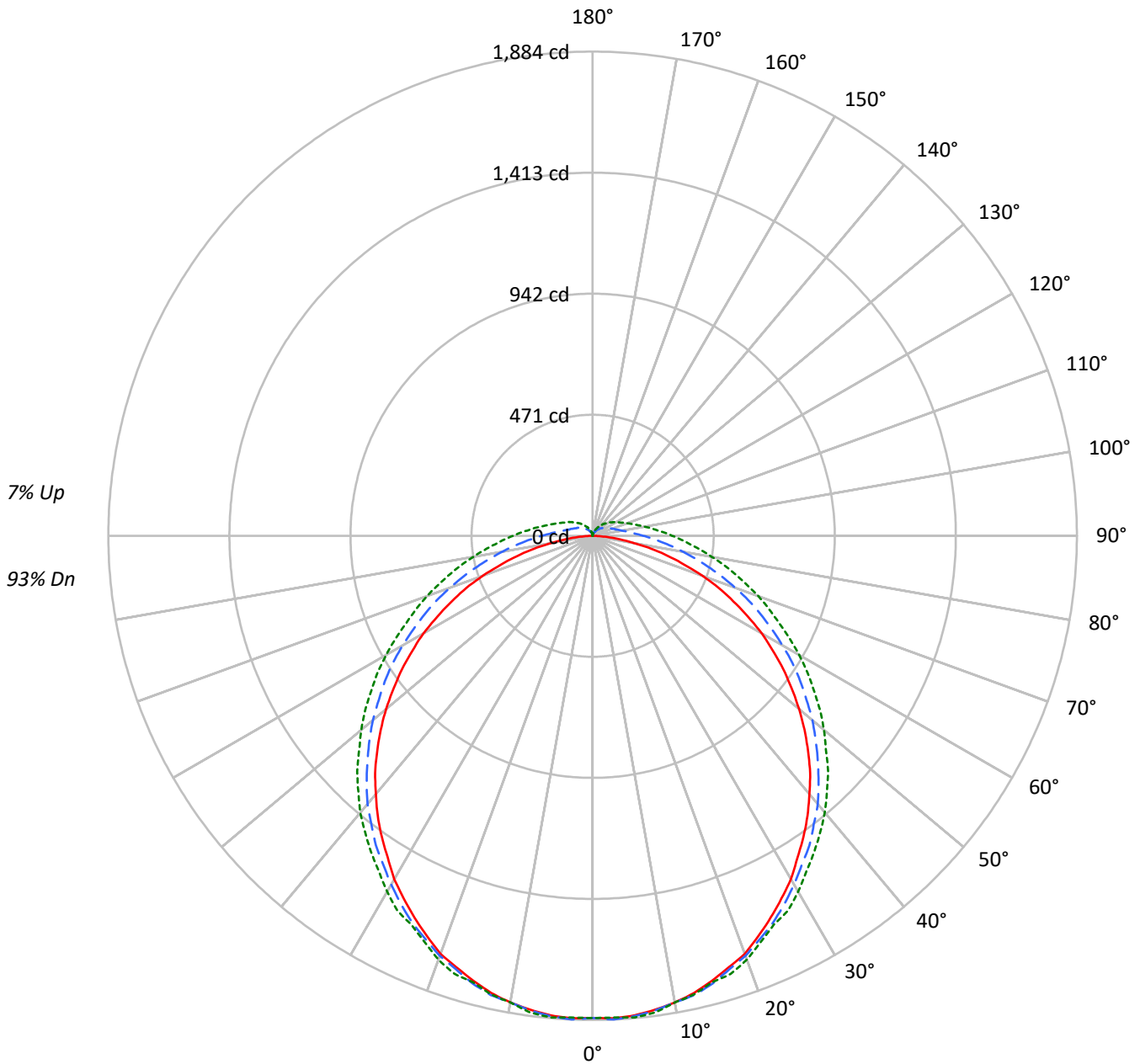
Lumens per Lamp: N/A
Luminaire Lumens: 6077.0 lumens
Efficiency: N/A
Efficacy: 126.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 3.71' x H: 0.12')
CIE Type: Direct

Input Watts (W): 48
Input Voltage (V): NR
Input Current (A_{in}): 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°	11834	11834	11834
5°	11828	11667	11647
10°	11742	11393	11290
15°	11606	11157	10975
20°	11483	10854	10759
25°	11241	10541	10357
30°	11031	10193	10123
35°	10767	9886	9782
40°	10515	9558	9496
45°	10242	9154	9165
50°	9904	8777	8792
55°	9521	8370	8420
60°	9087	7909	8057
65°	8441	7442	7640
70°	7694	6916	7363
75°	6604	6388	7069
80°	5033	5968	6891
85°	2980	5715	6937



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.0	2.9
10°-20°	507.9	8.4
20°-30°	764.2	12.6
30°-40°	917.7	15.1
40°-50°	955.6	15.7
50°-60°	878.1	14.4
60°-70°	705.2	11.6
70°-80°	480.8	7.9
80°-90°	273.3	4.5
90°-100°	153.0	2.5
100°-110°	96.8	1.6
110°-120°	66.1	1.1
120°-130°	45.4	0.7
130°-140°	28.9	0.5
140°-150°	16.1	0.3
150°-160°	7.3	0.1
160°-170°	2.3	0.0
170°-180°	0.3	0.0
0°-30°	1450.1	23.9
0°-40°	2367.8	39.0
0°-60°	4201.5	69.1
0°-90°	5660.7	93.1
90°-120°	316.0	5.2
90°-150°	406.4	6.7
90°-180°	416.0	6.8
0°-180°	6077.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1876	1876	1876	1876	1876	
5°	1874	1876	1876	1879	1882	178
15°	1793	1790	1804	1809	1798	506
25°	1640	1640	1661	1677	1669	756
35°	1430	1438	1470	1492	1502	895
45°	1185	1199	1239	1277	1296	914
55°	906	933	986	1032	1051	809
65°	605	650	720	774	798	600
75°	304	368	465	543	572	322
85°	56	145	266	352	382	69
90°	3	86	196	277	309	3
95°	0	54	148	223	250	0
105°	0	35	94	148	169	0
115°	0	27	70	108	121	0
125°	3	19	54	81	91	1
135°	3	16	40	59	67	2
145°	3	11	27	40	43	2
155°	3	8	16	24	27	1
165°	3	5	8	11	13	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°	1876.2	1876.2	1876.2	1876.2	1876.2
2.5°	1878.9	1876.2	1884.2	1881.5	1876.2
5°	1873.5	1876.2	1876.2	1878.9	1881.5
7.5°	1860.0	1854.7	1862.7	1870.8	1870.8
10°	1843.9	1838.5	1843.9	1849.3	1843.9
12.5°	1822.4	1811.7	1830.5	1830.5	1827.8
15°	1792.8	1790.1	1803.6	1809.0	1798.2
17.5°	1760.6	1768.6	1768.6	1779.4	1787.5
20°	1731.0	1725.6	1739.1	1747.1	1755.2
22.5°	1685.3	1682.6	1698.8	1712.2	1709.5
25°	1639.6	1639.6	1661.1	1677.3	1669.2
27.5°	1591.2	1591.2	1615.4	1631.6	1645.0
30°	1542.9	1548.2	1567.1	1588.6	1599.3
32.5°	1483.7	1497.2	1516.0	1545.5	1548.2
35°	1430.0	1438.0	1470.3	1491.8	1502.5
37.5°	1373.5	1376.2	1413.8	1443.4	1454.2
40°	1311.7	1317.1	1362.8	1389.7	1405.8
42.5°	1252.6	1257.9	1300.9	1335.9	1349.3
45°	1185.4	1198.8	1239.1	1276.8	1295.6
47.5°	1118.2	1137.0	1177.3	1220.3	1231.1
50°	1048.3	1067.1	1115.5	1150.4	1174.6
52.5°	975.7	999.9	1048.3	1094.0	1115.5
55°	905.8	932.7	986.5	1032.2	1051.0
57.5°	830.6	862.8	922.0	970.3	991.8
60°	760.7	787.6	852.1	903.1	927.3
62.5°	680.0	715.0	784.9	841.3	862.8
65°	604.8	650.5	720.4	774.1	798.3
67.5°	532.2	577.9	655.9	712.3	741.9
70°	454.3	505.3	588.7	653.2	685.4
72.5°	373.6	432.8	526.8	599.4	626.3
75°	303.7	368.2	465.0	543.0	572.5
77.5°	233.8	301.0	408.6	489.2	521.5
80°	164.0	239.2	357.5	440.8	470.4
82.5°	107.5	190.8	309.1	392.4	424.7
85°	56.4	145.1	266.1	352.1	381.7
87.5°	18.8	110.2	228.5	314.5	344.1
90°	2.7	86.0	196.2	276.9	309.1
92.5°	0.0	67.2	169.3	250.0	279.5
95°	0.0	53.8	147.8	223.1	250.0
97.5°	0.0	45.7	131.7	198.9	228.5
100°	0.0	40.3	115.6	180.1	204.3
102.5°	0.0	37.6	104.8	161.3	185.5
105°	0.0	34.9	94.1	147.8	169.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	26.9	75.3	115.6	131.7
115°	0.0	26.9	69.9	107.5	121.0
117.5°	0.0	24.2	67.2	99.5	112.9
120°	0.0	21.5	61.8	94.1	107.5
122.5°	0.0	21.5	56.4	88.7	99.5
125°	2.7	18.8	53.8	80.6	91.4
127.5°	2.7	18.8	51.1	75.3	86.0
130°	2.7	16.1	45.7	69.9	77.9
132.5°	2.7	16.1	43.0	64.5	72.6
135°	2.7	16.1	40.3	59.1	67.2
137.5°	2.7	13.4	34.9	53.8	61.8
140°	2.7	13.4	32.3	48.4	56.4
142.5°	2.7	13.4	29.6	43.0	51.1
145°	2.7	10.8	26.9	40.3	43.0
147.5°	2.7	10.8	24.2	34.9	40.3
150°	2.7	8.1	21.5	29.6	34.9
152.5°	2.7	8.1	18.8	26.9	29.6
155°	2.7	8.1	16.1	24.2	26.9
157.5°	2.7	8.1	13.4	21.5	21.5
160°	2.7	5.4	10.8	16.1	18.8
162.5°	2.7	5.4	10.8	13.4	16.1
165°	2.7	5.4	8.1	10.8	13.4
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	32.3	88.7	134.4	155.9
110°	0.0	29.6	80.6	123.6	142.5



(END OF REPORT)