

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: P709867

Luminaire Tested: **4AWWS-L3C39-UNV-3500K-HI**

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709867
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-L3C39-UNV-3500K-HI
Description: 4foot, Wide Adapt Surface Wrap with, RD lens and HI lumen setting,
3500K, 90CRI

Light Source: -
Ballast/Driver: -

Summary

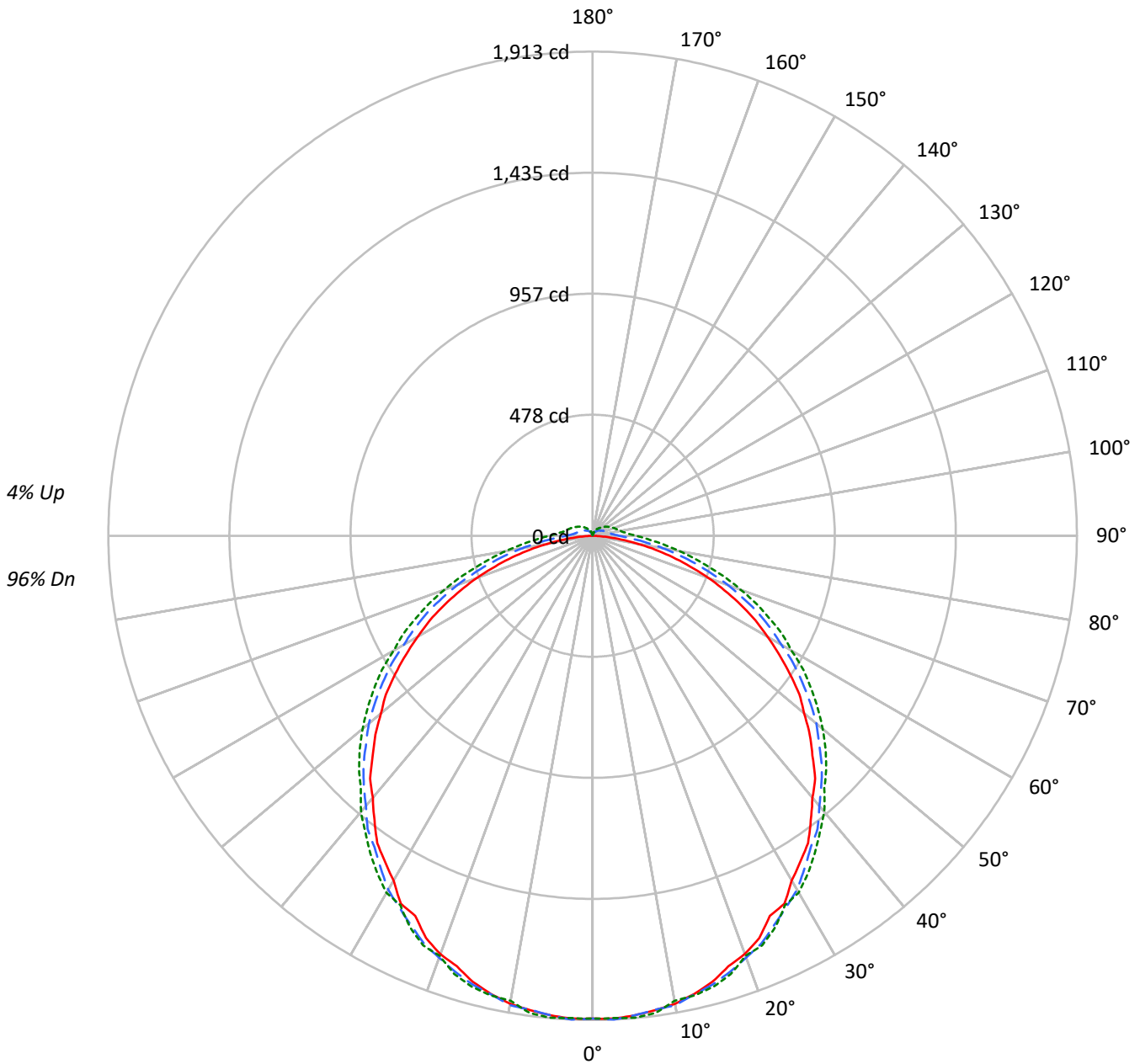
Lumens per Lamp: N/A
Luminaire Lumens: 5883.9 lumens
Efficiency: N/A
Efficacy: 120.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.27 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 3.71' x H: 0.17')
CIE Type: Direct

Input Watts (W): 49
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				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	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	98	98	98	96
1	107	102	97	93	104	99	95	91	94	91	88	90	87	84	85	83	81	81	81	81	79
2	97	89	81	76	94	86	80	74	82	77	72	78	74	70	74	71	67	67	67	67	65
3	88	78	69	62	85	76	68	62	72	65	60	69	63	58	66	61	57	57	57	57	54
4	81	69	60	53	78	67	59	52	64	57	51	61	55	50	58	53	49	49	49	49	46
5	74	61	52	45	72	60	51	45	57	50	44	55	48	43	52	47	42	42	42	42	40
6	68	55	46	39	66	54	45	39	52	44	38	49	43	38	47	42	37	37	37	37	35
7	63	50	41	35	61	49	40	34	47	39	34	45	38	33	43	37	33	33	33	33	31
8	59	45	37	31	57	45	36	31	43	35	30	41	35	30	40	34	29	29	29	29	27
9	55	42	33	28	53	41	33	28	39	32	27	38	32	27	37	31	26	26	26	26	25
10	52	38	30	25	50	38	30	25	36	29	25	35	29	24	34	28	24	24	24	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6669	6669	6669
5°	6647	6572	6589
10°	6609	6480	6391
15°	6526	6340	6328
20°	6434	6198	6114
25°	6257	6046	6009
30°	6185	5913	5877
35°	6131	5702	5713
40°	5936	5534	5543
45°	5807	5375	5355
50°	5624	5180	5186
55°	5440	4923	4971
60°	5168	4606	4681
65°	4870	4324	4421
70°	4429	3906	4067
75°	3774	3391	3632
80°	2842	2824	3243
85°	1511	2257	2894



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.1	3.1
10°-20°	517.5	8.8
20°-30°	780.8	13.3
30°-40°	942.4	16.0
40°-50°	982.1	16.7
50°-60°	900.1	15.3
60°-70°	705.9	12.0
70°-80°	436.4	7.4
80°-90°	185.0	3.1
90°-100°	81.0	1.4
100°-110°	57.5	1.0
110°-120°	43.1	0.7
120°-130°	30.8	0.5
130°-140°	20.3	0.3
140°-150°	12.0	0.2
150°-160°	5.7	0.1
160°-170°	1.9	0.0
170°-180°	0.3	0.0
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0°-30°	1479.4	25.1
0°-40°	2421.8	41.2
0°-60°	4303.9	73.1
0°-90°	5631.3	95.7
90°-120°	181.7	3.1
90°-150°	244.8	4.2
90°-180°	253.0	4.3
0°-180°	5883.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1908	1908	1908	1908	1908	
5°	1902	1906	1902	1902	1912	181
15°	1825	1829	1835	1841	1844	514
25°	1657	1686	1697	1699	1707	771
35°	1483	1489	1502	1527	1531	922
45°	1228	1244	1280	1299	1305	949
55°	951	976	1012	1033	1054	850
65°	647	672	721	750	769	638
75°	327	362	417	463	474	347
85°	57	103	170	220	241	73
90°	4	44	105	151	170	4
95°	0	29	76	115	132	0
105°	0	21	57	88	100	0
115°	0	17	46	71	80	0
125°	0	15	36	54	63	0
135°	0	12	29	40	48	0
145°	2	10	21	29	32	1
155°	2	6	13	19	21	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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CATALOG NUMBER: 4AWWS-L3C39-UNV-3500K-HI

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1907.7	1907.7	1907.7	1907.7	1907.7
2.5°	1909.6	1917.2	1913.4	1909.6	1907.7
5°	1901.9	1905.8	1901.9	1901.9	1911.5
7.5°	1890.5	1896.2	1888.5	1900.0	1901.9
10°	1877.1	1884.7	1882.8	1886.6	1865.6
12.5°	1854.1	1863.7	1856.0	1865.6	1859.8
15°	1825.4	1829.2	1835.0	1840.7	1844.5
17.5°	1783.3	1800.5	1806.3	1812.0	1815.8
20°	1758.4	1768.0	1773.7	1771.8	1766.1
22.5°	1720.2	1725.9	1743.1	1739.3	1750.8
25°	1657.0	1685.7	1697.2	1699.1	1706.8
27.5°	1639.8	1641.7	1655.1	1666.6	1645.5
30°	1572.8	1595.8	1614.9	1620.7	1628.3
32.5°	1526.9	1546.0	1557.5	1578.6	1582.4
35°	1482.9	1488.6	1502.0	1526.9	1530.7
37.5°	1415.9	1433.1	1459.9	1473.3	1475.2
40°	1350.9	1371.9	1393.0	1408.3	1423.6
42.5°	1301.1	1312.6	1337.5	1356.6	1354.7
45°	1228.4	1243.7	1280.1	1299.2	1305.0
47.5°	1163.4	1186.3	1213.1	1241.8	1247.5
50°	1090.6	1115.5	1153.8	1174.8	1186.3
52.5°	1029.4	1044.7	1083.0	1104.0	1121.3
55°	951.0	975.8	1012.2	1033.2	1054.3
57.5°	874.4	905.0	941.4	975.8	987.3
60°	797.9	828.5	861.0	899.3	907.0
62.5°	725.2	757.7	792.2	830.4	845.7
65°	646.7	671.6	721.4	750.1	769.2
67.5°	564.5	595.1	642.9	675.4	698.4
70°	487.9	522.4	568.3	608.5	621.9
72.5°	403.7	445.8	489.8	531.9	551.1
75°	327.2	361.6	417.1	463.0	474.5
77.5°	254.5	287.0	346.3	392.3	409.5
80°	177.9	218.1	281.3	327.2	348.2
82.5°	112.9	155.0	220.0	269.8	292.8
85°	57.4	103.3	170.3	220.0	241.1
87.5°	19.1	65.1	130.1	181.8	202.8
90°	3.8	44.0	105.2	151.2	170.3
92.5°	0.0	32.5	88.0	130.1	147.3
95°	0.0	28.7	76.5	114.8	132.0
97.5°	0.0	26.8	70.8	105.2	118.6
100°	0.0	24.9	65.1	97.6	111.0
102.5°	0.0	23.0	61.2	91.8	105.2
105°	0.0	21.0	57.4	88.0	99.5



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CATALOG NUMBER: 4AWWS-L3C39-UNV-3500K-HI

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	19.1	49.7	72.7	84.2
115°	0.0	17.2	45.9	70.8	80.4
117.5°	0.0	17.2	44.0	65.1	74.6
120°	0.0	15.3	40.2	61.2	70.8
122.5°	0.0	15.3	38.3	59.3	67.0
125°	0.0	15.3	36.4	53.6	63.1
127.5°	0.0	13.4	34.4	51.7	57.4
130°	0.0	13.4	32.5	47.8	53.6
132.5°	0.0	11.5	30.6	44.0	49.7
135°	0.0	11.5	28.7	40.2	47.8
137.5°	0.0	11.5	26.8	38.3	42.1
140°	0.0	9.6	24.9	34.4	40.2
142.5°	1.9	9.6	21.0	32.5	36.4
145°	1.9	9.6	21.0	28.7	32.5
147.5°	1.9	7.7	19.1	26.8	30.6
150°	1.9	7.7	17.2	23.0	26.8
152.5°	1.9	5.7	15.3	21.0	23.0
155°	1.9	5.7	13.4	19.1	21.0
157.5°	1.9	5.7	11.5	15.3	17.2
160°	1.9	3.8	9.6	13.4	15.3
162.5°	1.9	3.8	7.7	11.5	13.4
165°	1.9	3.8	5.7	9.6	9.6
167.5°	1.9	3.8	5.7	7.7	7.7
170°	1.9	1.9	3.8	5.7	5.7
172.5°	1.9	1.9	3.8	3.8	3.8
175°	1.9	1.9	1.9	1.9	3.8
177.5°	1.9	1.9	1.9	1.9	1.9
180°	1.9	1.9	1.9	1.9	1.9



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	21.0	55.5	82.3	93.8
110°	0.0	19.1	51.7	78.5	89.9



(END OF REPORT)