

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: P709858

Luminaire Tested: **4AWWS-L3C3-UNV-3500K-HI**

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709858
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-3500K-HI
Description: 4foot, Wide Adapt Surface Wrap with, RD lens and HI lumen setting,
3500K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

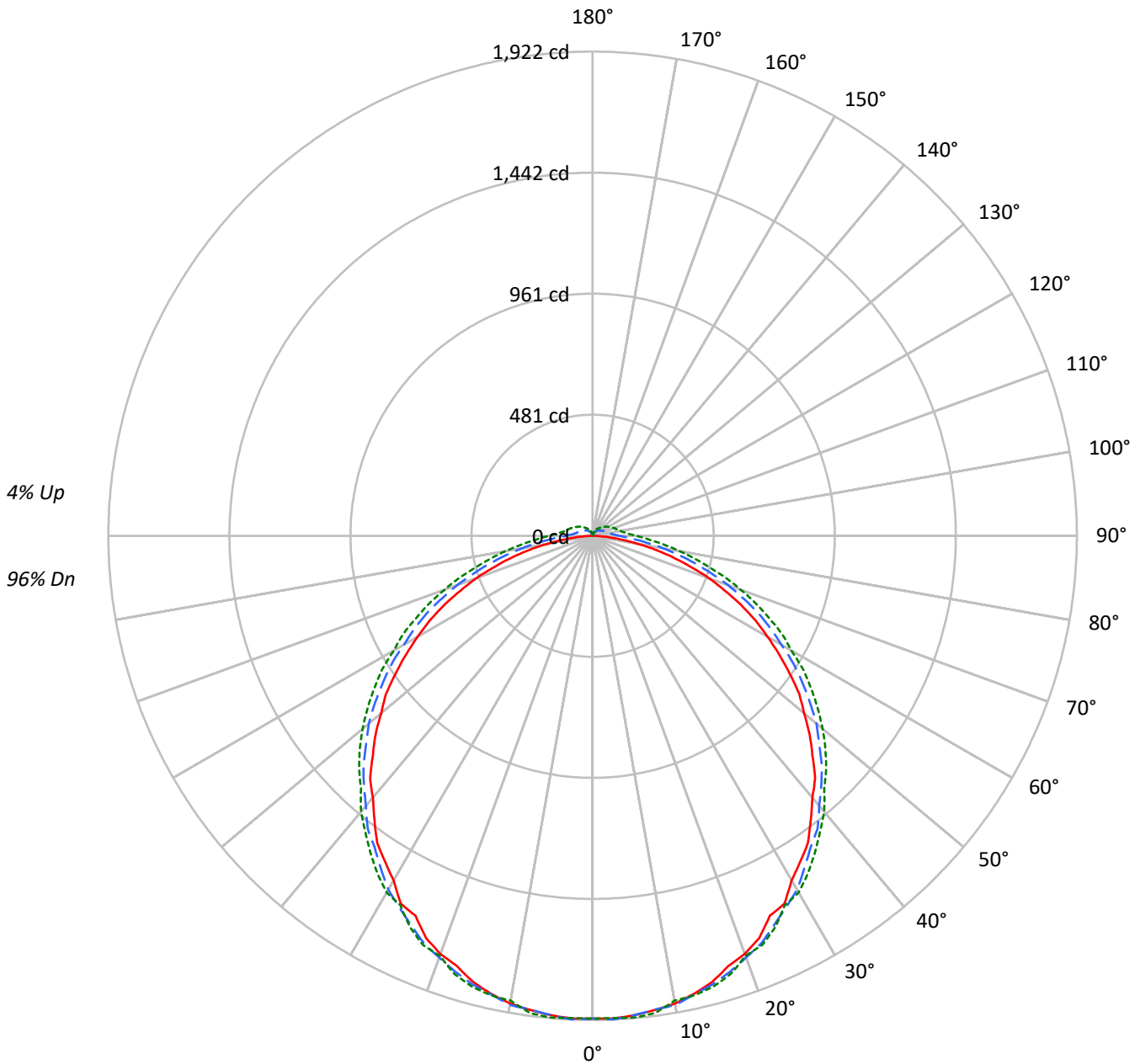
Lumens per Lamp: N/A
Luminaire Lumens: 5910.0 lumens
Efficiency: N/A
Efficacy: 120.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.27 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 3.71' x H: 0.17')
CIE Type: Direct

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

TEST NUMBER: P709858

CATALOG NUMBER: 4AWWS-L3C3-UNV-3500K-HI

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	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°	6698	6698	6698
5°	6676	6601	6618
10°	6639	6509	6419
15°	6555	6368	6356
20°	6462	6226	6141
25°	6285	6073	6036
30°	6212	5940	5903
35°	6159	5727	5738
40°	5962	5558	5568
45°	5832	5399	5378
50°	5649	5203	5209
55°	5464	4945	4993
60°	5191	4626	4701
65°	4892	4342	4440
70°	4449	3923	4085
75°	3790	3406	3648
80°	2855	2836	3258
85°	1519	2267	2907



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.9	3.1
10°-20°	519.8	8.8
20°-30°	784.3	13.3
30°-40°	946.6	16.0
40°-50°	986.4	16.7
50°-60°	904.1	15.3
60°-70°	709.0	12.0
70°-80°	438.3	7.4
80°-90°	185.9	3.1
90°-100°	81.4	1.4
100°-110°	57.8	1.0
110°-120°	43.3	0.7
120°-130°	30.9	0.5
130°-140°	20.4	0.3
140°-150°	12.1	0.2
150°-160°	5.8	0.1
160°-170°	1.9	0.0
170°-180°	0.3	0.0
0°-30°	1485.9	25.1
0°-40°	2432.5	41.2
0°-60°	4323.0	73.1
0°-90°	5656.2	95.7
90°-120°	182.5	3.1
90°-150°	245.9	4.2
90°-180°	254.0	4.3
0°-180°	5910.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1916	1916	1916	1916	1916	
5°	1910	1914	1910	1910	1920	182
15°	1834	1837	1843	1849	1853	516
25°	1664	1693	1705	1707	1714	774
35°	1490	1495	1509	1534	1538	926
45°	1234	1249	1286	1305	1311	953
55°	955	980	1017	1038	1059	853
65°	650	675	724	753	773	641
75°	329	363	419	465	477	349
85°	58	104	171	221	242	73
90°	4	44	106	152	171	4
95°	0	29	77	115	133	0
105°	0	21	58	88	100	0
115°	0	17	46	71	81	0
125°	0	15	36	54	63	0
135°	0	12	29	40	48	0
145°	2	10	21	29	33	1
155°	2	6	14	19	21	1
165°	2	4	6	10	10	1
175°	2	2	2	2	4	0
180°	2	2	2	2	2	



TEST NUMBER: P709858

CATALOG NUMBER: 4AWWS-L3C3-UNV-3500K-HI

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1916.1	1916.1	1916.1	1916.1	1916.1
2.5°	1918.0	1925.7	1921.9	1918.0	1916.1
5°	1910.3	1914.2	1910.3	1910.3	1919.9
7.5°	1898.8	1904.6	1896.9	1908.4	1910.3
10°	1885.4	1893.0	1891.1	1895.0	1873.8
12.5°	1862.3	1871.9	1864.2	1873.8	1868.1
15°	1833.5	1837.3	1843.1	1848.8	1852.7
17.5°	1791.2	1808.5	1814.2	1820.0	1823.9
20°	1766.2	1775.8	1781.6	1779.7	1773.9
22.5°	1727.8	1733.5	1750.8	1747.0	1758.5
25°	1664.3	1693.2	1704.7	1706.6	1714.3
27.5°	1647.0	1649.0	1662.4	1674.0	1652.8
30°	1579.8	1602.8	1622.1	1627.8	1635.5
32.5°	1533.7	1552.9	1564.4	1585.5	1589.4
35°	1489.5	1495.2	1508.7	1533.7	1537.5
37.5°	1422.2	1439.5	1466.4	1479.8	1481.8
40°	1356.8	1378.0	1399.1	1414.5	1429.9
42.5°	1306.9	1318.4	1343.4	1362.6	1360.7
45°	1233.8	1249.2	1285.7	1305.0	1310.7
47.5°	1168.5	1191.6	1218.5	1247.3	1253.1
50°	1095.5	1120.5	1158.9	1180.0	1191.6
52.5°	1034.0	1049.3	1087.8	1108.9	1126.2
55°	955.2	980.2	1016.7	1037.8	1059.0
57.5°	878.3	909.0	945.6	980.2	991.7
60°	801.4	832.2	864.8	903.3	911.0
62.5°	728.4	761.1	795.7	834.1	849.5
65°	649.6	674.6	724.5	753.4	772.6
67.5°	567.0	597.7	645.7	678.4	701.5
70°	490.1	524.7	570.8	611.2	624.6
72.5°	405.5	447.8	492.0	534.3	553.5
75°	328.6	363.2	419.0	465.1	476.6
77.5°	255.6	288.3	347.9	394.0	411.3
80°	178.7	219.1	282.5	328.6	349.8
82.5°	113.4	155.7	221.0	271.0	294.0
85°	57.7	103.8	171.0	221.0	242.2
87.5°	19.2	65.3	130.7	182.6	203.7
90°	3.8	44.2	105.7	151.8	171.0
92.5°	0.0	32.7	88.4	130.7	148.0
95°	0.0	28.8	76.9	115.3	132.6
97.5°	0.0	26.9	71.1	105.7	119.2
100°	0.0	25.0	65.3	98.0	111.5
102.5°	0.0	23.1	61.5	92.2	105.7
105°	0.0	21.1	57.7	88.4	99.9



TEST NUMBER: P709858

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	19.2	50.0	73.0	84.6
115°	0.0	17.3	46.1	71.1	80.7
117.5°	0.0	17.3	44.2	65.3	75.0
120°	0.0	15.4	40.4	61.5	71.1
122.5°	0.0	15.4	38.4	59.6	67.3
125°	0.0	15.4	36.5	53.8	63.4
127.5°	0.0	13.5	34.6	51.9	57.7
130°	0.0	13.5	32.7	48.0	53.8
132.5°	0.0	11.5	30.7	44.2	50.0
135°	0.0	11.5	28.8	40.4	48.0
137.5°	0.0	11.5	26.9	38.4	42.3
140°	0.0	9.6	25.0	34.6	40.4
142.5°	1.9	9.6	21.1	32.7	36.5
145°	1.9	9.6	21.1	28.8	32.7
147.5°	1.9	7.7	19.2	26.9	30.7
150°	1.9	7.7	17.3	23.1	26.9
152.5°	1.9	5.8	15.4	21.1	23.1
155°	1.9	5.8	13.5	19.2	21.1
157.5°	1.9	5.8	11.5	15.4	17.3
160°	1.9	3.8	9.6	13.5	15.4
162.5°	1.9	3.8	7.7	11.5	13.5
165°	1.9	3.8	5.8	9.6	9.6
167.5°	1.9	3.8	5.8	7.7	7.7
170°	1.9	1.9	3.8	5.8	5.8
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	21.1	55.7	82.6	94.2
110°	0.0	19.2	51.9	78.8	90.3



(END OF REPORT)