

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: P709848

Luminaire Tested: **4AWWS-L3C3-HO-UNV-5000K-MID**

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709848
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-HO-UNV-5000K-MID
Description: 4foot, Wide Adapt Surface Wrap with, RD lens and MID lumen setting,
5000K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

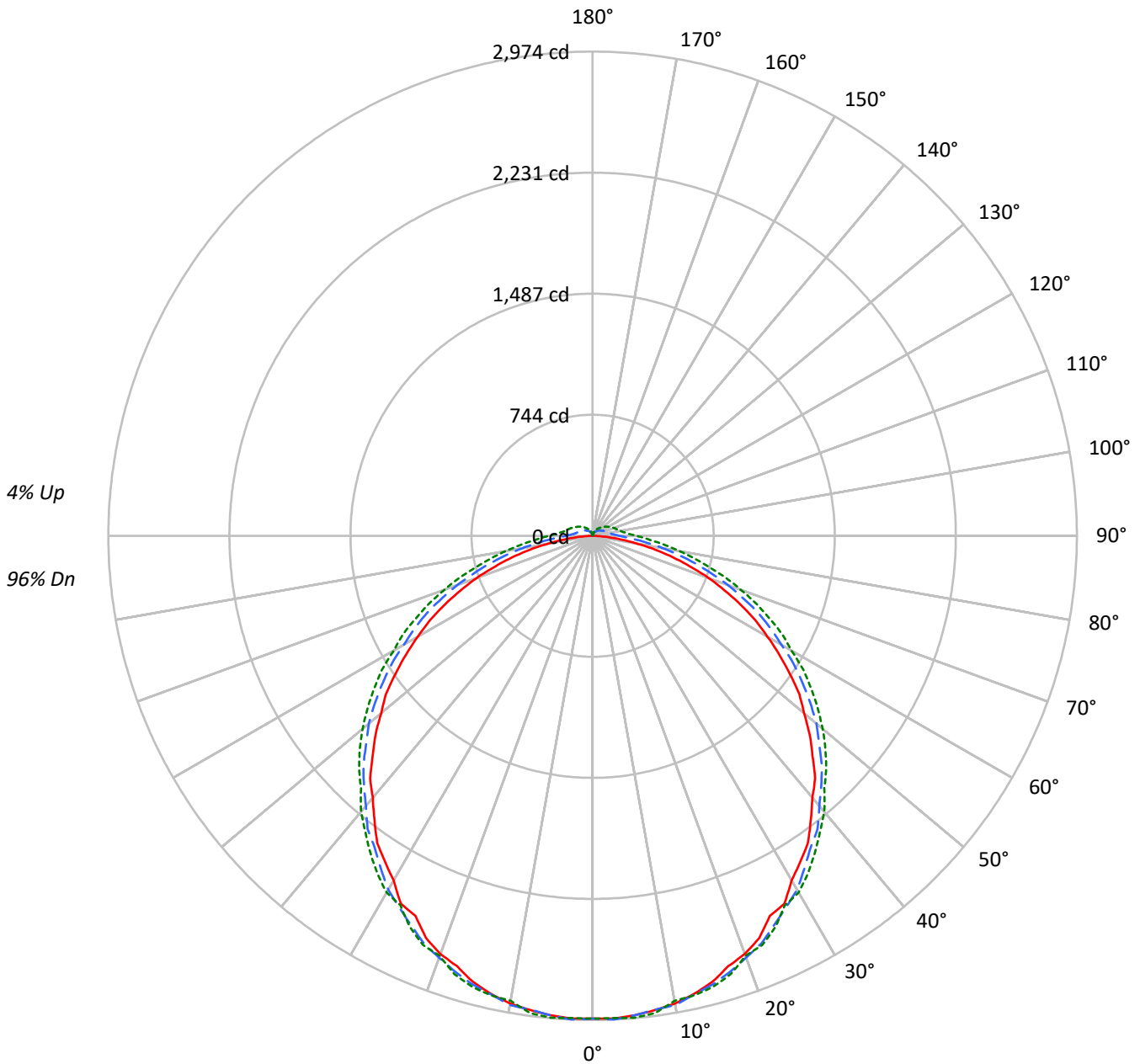
Lumens per Lamp: N/A
Luminaire Lumens: 9146.0 lumens
Efficiency: N/A
Efficacy: 136.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.27 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 3.71' x H: 0.17')
CIE Type: Direct

Input Watts (W): 67
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: P709848

CATALOG NUMBER: 4AWWS-L3C3-HO-UNV-5000K-MID

Luminous Intensity Polar Plot





TEST NUMBER: P709848

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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°	10365	10365	10365
5°	10332	10215	10242
10°	10273	10073	9934
15°	10144	9854	9836
20°	10001	9635	9503
25°	9726	9398	9340
30°	9614	9192	9136
35°	9530	8863	8880
40°	9227	8601	8616
45°	9026	8355	8323
50°	8742	8052	8060
55°	8455	7652	7727
60°	8033	7159	7275
65°	7571	6720	6871
70°	6884	6071	6322
75°	5866	5271	5646
80°	4420	4389	5041
85°	2348	3509	4498



TEST NUMBER: P709848

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	281.5	3.1
10°-20°	804.4	8.8
20°-30°	1213.7	13.3
30°-40°	1464.8	16.0
40°-50°	1526.5	16.7
50°-60°	1399.2	15.3
60°-70°	1097.2	12.0
70°-80°	678.3	7.4
80°-90°	287.6	3.1
90°-100°	126.0	1.4
100°-110°	89.4	1.0
110°-120°	67.1	0.7
120°-130°	47.9	0.5
130°-140°	31.5	0.3
140°-150°	18.7	0.2
150°-160°	8.9	0.1
160°-170°	2.9	0.0
170°-180°	0.4	0.0
0°-30°	2299.5	25.1
0°-40°	3764.4	41.2
0°-60°	6690.0	73.1
0°-90°	8753.2	95.7
90°-120°	282.4	3.1
90°-150°	380.5	4.2
90°-180°	393.0	4.3
0°-180°	9146.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2965	2965	2965	2965	2965	
5°	2956	2962	2956	2956	2971	281
15°	2837	2843	2852	2861	2867	799
25°	2576	2620	2638	2641	2653	1198
35°	2305	2314	2335	2373	2379	1433
45°	1909	1933	1990	2020	2028	1474
55°	1478	1517	1573	1606	1639	1321
65°	1005	1044	1121	1166	1196	992
75°	509	562	648	720	738	540
85°	89	161	265	342	375	114
90°	6	68	164	235	265	6
95°	0	45	119	178	205	0
105°	0	33	89	137	155	0
115°	0	27	71	110	125	0
125°	0	24	56	83	98	0
135°	0	18	45	62	74	0
145°	3	15	33	45	51	2
155°	3	9	21	30	33	1
165°	3	6	9	15	15	1
175°	3	3	3	3	6	0
180°	3	3	3	3	3	



TEST NUMBER: P709848

CATALOG NUMBER: 4AWWS-L3C3-HO-UNV-5000K-MID

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2965.3	2965.3	2965.3	2965.3	2965.3
2.5°	2968.2	2980.1	2974.2	2968.2	2965.3
5°	2956.3	2962.3	2956.3	2956.3	2971.2
7.5°	2938.5	2947.4	2935.5	2953.4	2956.3
10°	2917.7	2929.6	2926.6	2932.5	2899.8
12.5°	2882.0	2896.9	2885.0	2899.8	2890.9
15°	2837.4	2843.3	2852.2	2861.2	2867.1
17.5°	2771.9	2798.7	2807.6	2816.6	2822.5
20°	2733.3	2748.1	2757.1	2754.1	2745.2
22.5°	2673.8	2682.7	2709.5	2703.5	2721.4
25°	2575.6	2620.3	2638.1	2641.1	2653.0
27.5°	2548.9	2551.9	2572.7	2590.5	2557.8
30°	2444.8	2480.5	2510.2	2519.1	2531.0
32.5°	2373.4	2403.1	2421.0	2453.7	2459.7
35°	2305.0	2313.9	2334.7	2373.4	2379.3
37.5°	2200.9	2227.7	2269.3	2290.1	2293.1
40°	2099.8	2132.5	2165.2	2189.0	2212.8
42.5°	2022.4	2040.3	2079.0	2108.7	2105.7
45°	1909.4	1933.2	1989.7	2019.5	2028.4
47.5°	1808.3	1844.0	1885.6	1930.2	1939.2
50°	1695.3	1734.0	1793.4	1826.2	1844.0
52.5°	1600.1	1623.9	1683.4	1716.1	1742.9
55°	1478.2	1516.8	1573.3	1606.1	1638.8
57.5°	1359.2	1406.8	1463.3	1516.8	1534.7
60°	1240.2	1287.8	1338.4	1397.9	1409.8
62.5°	1127.2	1177.8	1231.3	1290.8	1314.6
65°	1005.3	1043.9	1121.3	1165.9	1195.6
67.5°	877.4	925.0	999.3	1049.9	1085.6
70°	758.4	812.0	883.3	945.8	966.6
72.5°	627.6	693.0	761.4	826.8	856.6
75°	508.6	562.1	648.4	719.8	737.6
77.5°	395.6	446.1	538.3	609.7	636.5
80°	276.6	339.1	437.2	508.6	541.3
82.5°	175.5	240.9	342.0	419.4	455.1
85°	89.2	160.6	264.7	342.0	374.7
87.5°	29.7	101.1	202.2	282.5	315.3
90°	5.9	68.4	163.6	235.0	264.7
92.5°	0.0	50.6	136.8	202.2	229.0
95°	0.0	44.6	119.0	178.5	205.2
97.5°	0.0	41.6	110.0	163.6	184.4
100°	0.0	38.7	101.1	151.7	172.5
102.5°	0.0	35.7	95.2	142.8	163.6
105°	0.0	32.7	89.2	136.8	154.7



TEST NUMBER: P709848

CATALOG NUMBER: 4AWWS-L3C3-HO-UNV-5000K-MID

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	29.7	77.3	113.0	130.9
115°	0.0	26.8	71.4	110.0	124.9
117.5°	0.0	26.8	68.4	101.1	116.0
120°	0.0	23.8	62.5	95.2	110.0
122.5°	0.0	23.8	59.5	92.2	104.1
125°	0.0	23.8	56.5	83.3	98.1
127.5°	0.0	20.8	53.5	80.3	89.2
130°	0.0	20.8	50.6	74.4	83.3
132.5°	0.0	17.8	47.6	68.4	77.3
135°	0.0	17.8	44.6	62.5	74.4
137.5°	0.0	17.8	41.6	59.5	65.4
140°	0.0	14.9	38.7	53.5	62.5
142.5°	3.0	14.9	32.7	50.6	56.5
145°	3.0	14.9	32.7	44.6	50.6
147.5°	3.0	11.9	29.7	41.6	47.6
150°	3.0	11.9	26.8	35.7	41.6
152.5°	3.0	8.9	23.8	32.7	35.7
155°	3.0	8.9	20.8	29.7	32.7
157.5°	3.0	8.9	17.8	23.8	26.8
160°	3.0	5.9	14.9	20.8	23.8
162.5°	3.0	5.9	11.9	17.8	20.8
165°	3.0	5.9	8.9	14.9	14.9
167.5°	3.0	5.9	8.9	11.9	11.9
170°	3.0	3.0	5.9	8.9	8.9
172.5°	3.0	3.0	5.9	5.9	5.9
175°	3.0	3.0	3.0	3.0	5.9
177.5°	3.0	3.0	3.0	3.0	3.0
180°	3.0	3.0	3.0	3.0	3.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	32.7	86.3	127.9	145.7
110°	0.0	29.7	80.3	121.9	139.8



(END OF REPORT)