

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: P709845

Luminaire Tested: **4AWWS-L3C3-HO-UNV-4000K-MID**

Issue Date: 9/26/2023



Test Information

Test Method: LM-79-08
Report Number: P709845
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-4000K-MID
Description: 4foot, Wide Adapt Surface Wrap with, RD lens and MID lumen setting, 4000K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

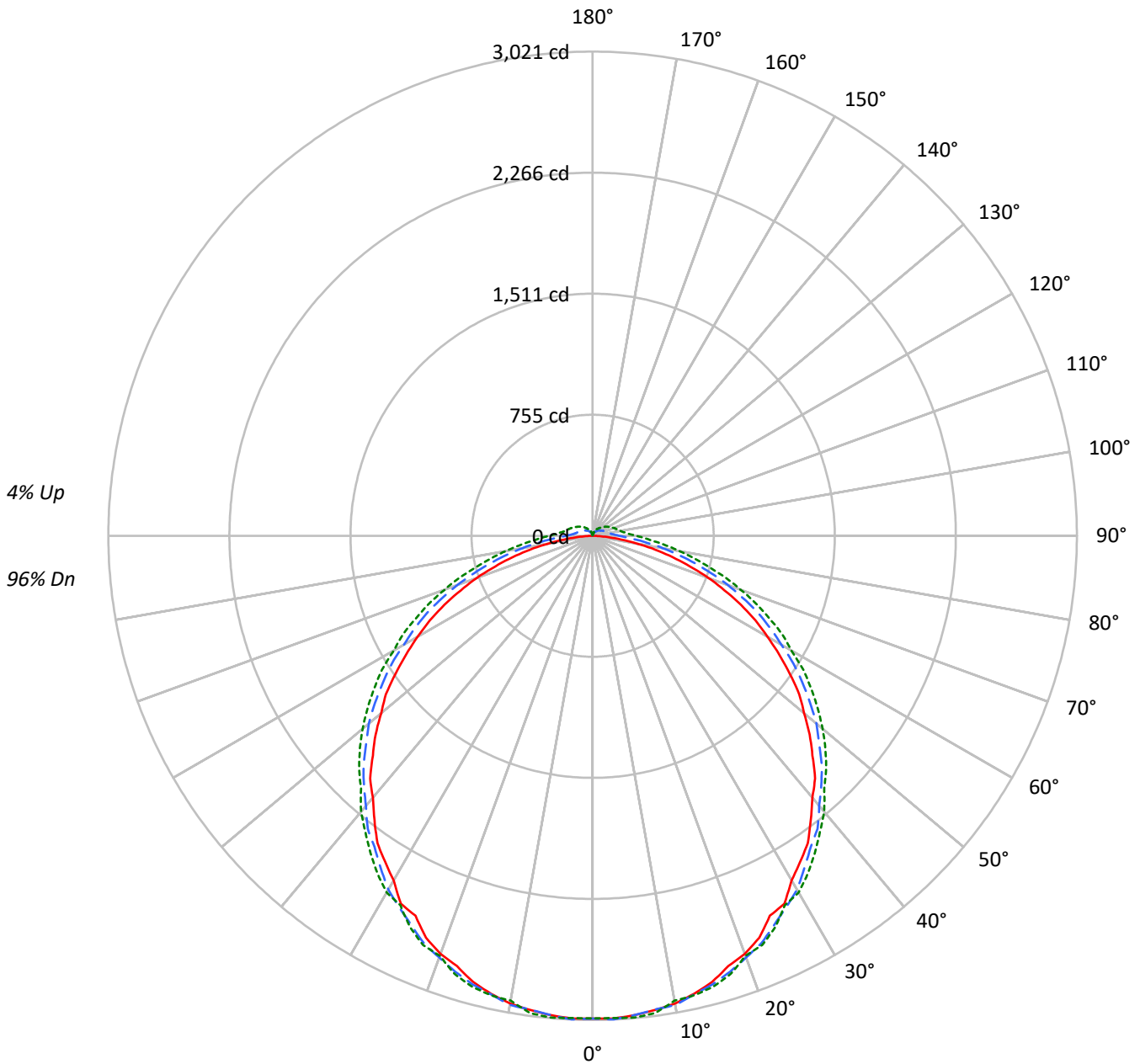
Lumens per Lamp: N/A
Luminaire Lumens: 9289.0 lumens
Efficiency: N/A
Efficacy: 142.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.27 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 3.71' x H: 0.17')
CIE Type: Direct

Input Watts (W): 65
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°	10527	10527	10527
5°	10494	10375	10402
10°	10434	10231	10090
15°	10302	10008	9990
20°	10157	9785	9652
25°	9878	9545	9486
30°	9764	9335	9279
35°	9679	9002	9019
40°	9371	8736	8751
45°	9167	8486	8453
50°	8879	8178	8186
55°	8587	7771	7848
60°	8159	7271	7389
65°	7689	6825	6979
70°	6992	6166	6420
75°	5957	5353	5734
80°	4488	4457	5120
85°	2385	3563	4569



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	285.9	3.1
10°-20°	817.0	8.8
20°-30°	1232.7	13.3
30°-40°	1487.7	16.0
40°-50°	1550.4	16.7
50°-60°	1421.0	15.3
60°-70°	1114.4	12.0
70°-80°	688.9	7.4
80°-90°	292.1	3.1
90°-100°	127.9	1.4
100°-110°	90.8	1.0
110°-120°	68.1	0.7
120°-130°	48.6	0.5
130°-140°	32.0	0.3
140°-150°	19.0	0.2
150°-160°	9.1	0.1
160°-170°	3.0	0.0
170°-180°	0.4	0.0
0°-30°	2335.5	25.1
0°-40°	3823.2	41.2
0°-60°	6794.6	73.1
0°-90°	8890.1	95.7
90°-120°	286.9	3.1
90°-150°	386.5	4.2
90°-180°	399.0	4.3
0°-180°	9289.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3012	3012	3012	3012	3012	
5°	3003	3009	3003	3003	3018	285
15°	2882	2888	2897	2906	2912	812
25°	2616	2661	2679	2682	2694	1217
35°	2341	2350	2371	2410	2417	1455
45°	1939	1963	2021	2051	2060	1497
55°	1501	1541	1598	1631	1664	1341
65°	1021	1060	1139	1184	1214	1007
75°	516	571	658	731	749	549
85°	91	163	269	347	381	115
90°	6	70	166	239	269	6
95°	0	45	121	181	208	0
105°	0	33	91	139	157	0
115°	0	27	72	112	127	0
125°	0	24	57	85	100	0
135°	0	18	45	63	76	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: P709845

CATALOG NUMBER: 4AWWS-L3C3-HO-UNV-4000K-MID

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3011.6	3011.6	3011.6	3011.6	3011.6
2.5°	3014.6	3026.7	3020.7	3014.6	3011.6
5°	3002.6	3008.6	3002.6	3002.6	3017.7
7.5°	2984.4	2993.5	2981.4	2999.5	3002.6
10°	2963.3	2975.4	2972.4	2978.4	2945.2
12.5°	2927.0	2942.2	2930.1	2945.2	2936.1
15°	2881.7	2887.8	2896.8	2905.9	2911.9
17.5°	2815.3	2842.5	2851.5	2860.6	2866.6
20°	2776.0	2791.1	2800.2	2797.2	2788.1
22.5°	2715.6	2724.7	2751.8	2745.8	2763.9
25°	2615.9	2661.2	2679.4	2682.4	2694.5
27.5°	2588.7	2591.8	2612.9	2631.0	2597.8
30°	2483.0	2519.3	2549.5	2558.5	2570.6
32.5°	2410.5	2440.7	2458.8	2492.1	2498.1
35°	2341.0	2350.1	2371.2	2410.5	2416.6
37.5°	2235.3	2262.5	2304.8	2325.9	2329.0
40°	2132.6	2165.8	2199.1	2223.2	2247.4
42.5°	2054.1	2072.2	2111.5	2141.7	2138.6
45°	1939.3	1963.4	2020.8	2051.0	2060.1
47.5°	1836.6	1872.8	1915.1	1960.4	1969.5
50°	1721.8	1761.1	1821.5	1854.7	1872.8
52.5°	1625.1	1649.3	1709.7	1742.9	1770.1
55°	1501.3	1540.6	1597.9	1631.2	1664.4
57.5°	1380.5	1428.8	1486.2	1540.6	1558.7
60°	1259.6	1308.0	1359.3	1419.7	1431.8
62.5°	1144.8	1196.2	1250.6	1311.0	1335.1
65°	1021.0	1060.3	1138.8	1184.1	1214.3
67.5°	891.1	939.4	1015.0	1066.3	1102.6
70°	770.3	824.6	897.1	960.6	981.7
72.5°	637.4	703.8	773.3	839.8	870.0
75°	516.5	570.9	658.5	731.0	749.1
77.5°	401.8	453.1	546.7	619.2	646.4
80°	280.9	344.4	444.0	516.5	549.8
82.5°	178.2	244.7	347.4	425.9	462.2
85°	90.6	163.1	268.8	347.4	380.6
87.5°	30.2	102.7	205.4	287.0	320.2
90°	6.0	69.5	166.1	238.6	268.8
92.5°	0.0	51.4	139.0	205.4	232.6
95°	0.0	45.3	120.8	181.2	208.4
97.5°	0.0	42.3	111.8	166.1	187.3
100°	0.0	39.3	102.7	154.1	175.2
102.5°	0.0	36.2	96.7	145.0	166.1
105°	0.0	33.2	90.6	139.0	157.1



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CATALOG NUMBER: 4AWWS-L3C3-HO-UNV-4000K-MID

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	30.2	78.5	114.8	132.9
115°	0.0	27.2	72.5	111.8	126.9
117.5°	0.0	27.2	69.5	102.7	117.8
120°	0.0	24.2	63.4	96.7	111.8
122.5°	0.0	24.2	60.4	93.6	105.7
125°	0.0	24.2	57.4	84.6	99.7
127.5°	0.0	21.1	54.4	81.6	90.6
130°	0.0	21.1	51.4	75.5	84.6
132.5°	0.0	18.1	48.3	69.5	78.5
135°	0.0	18.1	45.3	63.4	75.5
137.5°	0.0	18.1	42.3	60.4	66.5
140°	0.0	15.1	39.3	54.4	63.4
142.5°	3.0	15.1	33.2	51.4	57.4
145°	3.0	15.1	33.2	45.3	51.4
147.5°	3.0	12.1	30.2	42.3	48.3
150°	3.0	12.1	27.2	36.2	42.3
152.5°	3.0	9.1	24.2	33.2	36.2
155°	3.0	9.1	21.1	30.2	33.2
157.5°	3.0	9.1	18.1	24.2	27.2
160°	3.0	6.0	15.1	21.1	24.2
162.5°	3.0	6.0	12.1	18.1	21.1
165°	3.0	6.0	9.1	15.1	15.1
167.5°	3.0	6.0	9.1	12.1	12.1
170°	3.0	3.0	6.0	9.1	9.1
172.5°	3.0	3.0	6.0	6.0	6.0
175°	3.0	3.0	3.0	3.0	6.0
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	33.2	87.6	129.9	148.0
110°	0.0	30.2	81.6	123.8	142.0



(END OF REPORT)