

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: P709884

Luminaire Tested: **8AWWS-L3C3-HO-UNV-5000K-MID**

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709884
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: 8AWWS-L3C3-HO-UNV-5000K-MID
Description: 8foot, Wide Adapt Surface Wrap with, RD lens and MID lumen setting,
5000K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

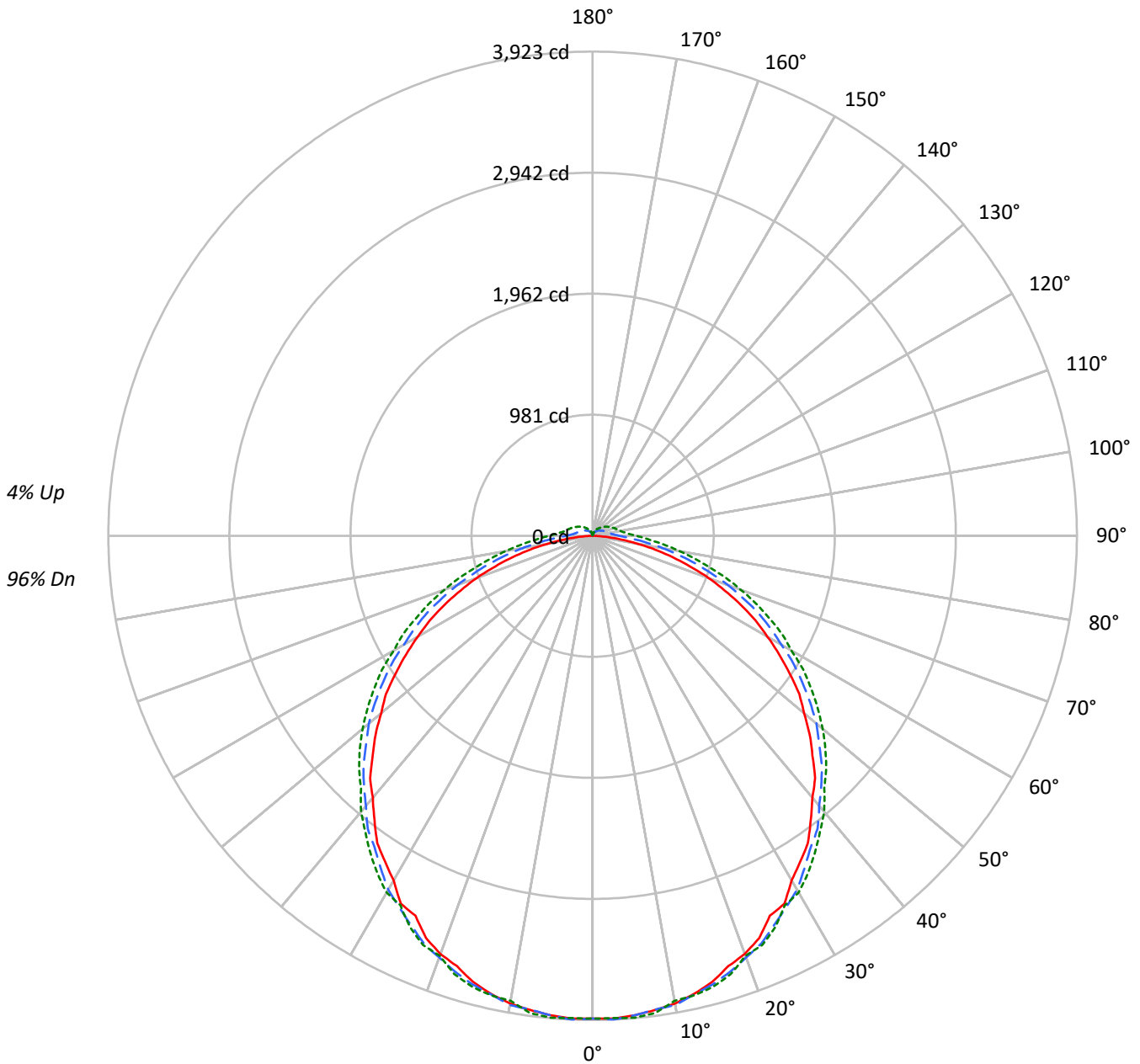
Lumens per Lamp: N/A
Luminaire Lumens: 12064.0 lumens
Efficiency: N/A
Efficacy: 174.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.27 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 7.42' x H: 0.17')
CIE Type: Direct

Input Watts (W): 69
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	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°	6836	6836	6836
5°	6828	6747	6755
10°	6803	6662	6552
15°	6731	6526	6487
20°	6650	6390	6268
25°	6483	6242	6160
30°	6423	6114	6025
35°	6385	5905	5857
40°	6200	5741	5683
45°	6086	5587	5489
50°	5919	5397	5316
55°	5753	5141	5096
60°	5500	4825	4798
65°	5227	4547	4532
70°	4809	4128	4169
75°	4173	3607	3724
80°	3250	3034	3325
85°	1870	2465	2967



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	371.3	3.1
10°-20°	1061.0	8.8
20°-30°	1600.9	13.3
30°-40°	1932.2	16.0
40°-50°	2013.5	16.7
50°-60°	1845.6	15.3
60°-70°	1447.3	12.0
70°-80°	894.7	7.4
80°-90°	379.4	3.1
90°-100°	166.2	1.4
100°-110°	117.9	1.0
110°-120°	88.5	0.7
120°-130°	63.1	0.5
130°-140°	41.6	0.3
140°-150°	24.7	0.2
150°-160°	11.8	0.1
160°-170°	3.9	0.0
170°-180°	0.6	0.0
0°-30°	3033.2	25.1
0°-40°	4965.4	41.2
0°-60°	8824.4	73.1
0°-90°	11545.9	95.7
90°-120°	372.6	3.1
90°-150°	501.9	4.2
90°-180°	518.0	4.3
0°-180°	12064.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3911	3911	3911	3911	3911	
5°	3900	3907	3900	3900	3919	371
15°	3743	3750	3762	3774	3782	1054
25°	3397	3456	3480	3484	3499	1581
35°	3040	3052	3080	3131	3138	1890
45°	2519	2550	2624	2664	2676	1945
55°	1950	2001	2075	2118	2162	1742
65°	1326	1377	1479	1538	1577	1308
75°	671	742	855	949	973	712
85°	118	212	349	451	494	150
90°	8	90	216	310	349	8
95°	0	59	157	235	271	0
105°	0	43	118	180	204	0
115°	0	35	94	145	165	0
125°	0	31	74	110	130	0
135°	0	24	59	82	98	0
145°	4	20	43	59	67	2
155°	4	12	28	39	43	2
165°	4	8	12	20	20	1
175°	4	4	4	4	8	0
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3911.3	<i>3911.3</i>	3911.3	3911.3	3911.3
2.5°	<i>3915.2</i>	<i>3930.9</i>	<i>3923.1</i>	<i>3915.2</i>	<i>3911.3</i>
5°	3899.6	<i>3907.4</i>	3899.6	3899.6	3919.2
7.5°	3876.0	<i>3887.8</i>	3872.1	3895.6	3899.6
10°	3848.6	<i>3864.2</i>	3860.3	3868.2	3825.0
12.5°	3801.5	<i>3821.1</i>	3805.4	3825.0	3813.2
15°	3742.6	<i>3750.5</i>	3762.2	3774.0	3781.9
17.5°	3656.3	<i>3691.6</i>	3703.4	3715.2	3723.0
20°	3605.3	<i>3624.9</i>	3636.7	3632.8	3621.0
22.5°	3526.9	<i>3538.6</i>	3573.9	3566.1	3589.6
25°	3397.4	<i>3456.2</i>	3479.8	3483.7	3499.4
27.5°	3362.1	<i>3366.0</i>	3393.5	3417.0	3373.9
30°	3224.8	<i>3271.9</i>	3311.1	3322.9	3338.5
32.5°	3130.6	<i>3169.9</i>	3193.4	3236.5	3244.4
35°	3040.4	<i>3052.2</i>	3079.6	3130.6	3138.5
37.5°	2903.1	<i>2938.4</i>	2993.3	3020.8	3024.7
40°	2769.7	<i>2812.9</i>	2856.0	2887.4	2918.8
42.5°	2667.7	<i>2691.2</i>	2742.2	2781.5	2777.5
45°	2518.6	<i>2550.0</i>	2624.5	2663.8	2675.5
47.5°	2385.2	<i>2432.3</i>	2487.2	2546.1	2557.9
50°	2236.2	<i>2287.2</i>	2365.6	2408.8	2432.3
52.5°	2110.6	<i>2142.0</i>	2220.5	2263.6	2298.9
55°	1949.8	<i>2000.8</i>	2075.3	2118.5	2161.6
57.5°	1792.9	<i>1855.6</i>	1930.2	2000.8	2024.3
60°	1635.9	<i>1698.7</i>	1765.4	1843.9	1859.5
62.5°	1486.9	<i>1553.5</i>	1624.2	1702.6	1734.0
65°	1326.0	<i>1377.0</i>	1479.0	1537.9	1577.1
67.5°	1157.3	<i>1220.1</i>	1318.2	1384.9	1431.9
70°	1000.4	<i>1071.0</i>	1165.2	1247.5	1275.0
72.5°	827.8	<i>914.1</i>	1004.3	1090.6	1129.8
75°	670.8	<i>741.5</i>	855.2	949.4	972.9
77.5°	521.8	<i>588.5</i>	710.1	804.2	839.5
80°	364.8	<i>447.2</i>	576.7	670.8	714.0
82.5°	231.5	<i>317.8</i>	451.2	553.2	600.2
85°	117.7	<i>211.8</i>	349.2	451.2	494.3
87.5°	39.2	<i>133.4</i>	266.8	372.7	415.8
90°	7.8	<i>90.2</i>	215.8	309.9	349.2
92.5°	0.0	<i>66.7</i>	180.5	266.8	302.1
95°	0.0	<i>58.8</i>	156.9	235.4	270.7
97.5°	0.0	<i>54.9</i>	145.2	215.8	243.2
100°	0.0	<i>51.0</i>	133.4	200.1	227.5
102.5°	0.0	<i>47.1</i>	125.5	188.3	215.8
105°	0.0	<i>43.2</i>	117.7	180.5	204.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	39.2	102.0	149.1	172.6
115°	0.0	35.3	94.2	145.2	164.8
117.5°	0.0	35.3	90.2	133.4	153.0
120°	0.0	31.4	82.4	125.5	145.2
122.5°	0.0	31.4	78.5	121.6	137.3
125°	0.0	31.4	74.5	109.8	129.5
127.5°	0.0	27.5	70.6	105.9	117.7
130°	0.0	27.5	66.7	98.1	109.8
132.5°	0.0	23.5	62.8	90.2	102.0
135°	0.0	23.5	58.8	82.4	98.1
137.5°	0.0	23.5	54.9	78.5	86.3
140°	0.0	19.6	51.0	70.6	82.4
142.5°	3.9	19.6	43.2	66.7	74.5
145°	3.9	19.6	43.2	58.8	66.7
147.5°	3.9	15.7	39.2	54.9	62.8
150°	3.9	15.7	35.3	47.1	54.9
152.5°	3.9	11.8	31.4	43.2	47.1
155°	3.9	11.8	27.5	39.2	43.2
157.5°	3.9	11.8	23.5	31.4	35.3
160°	3.9	7.8	19.6	27.5	31.4
162.5°	3.9	7.8	15.7	23.5	27.5
165°	3.9	7.8	11.8	19.6	19.6
167.5°	3.9	7.8	11.8	15.7	15.7
170°	3.9	3.9	7.8	11.8	11.8
172.5°	3.9	3.9	7.8	7.8	7.8
175°	3.9	3.9	3.9	3.9	7.8
177.5°	3.9	3.9	3.9	3.9	3.9
180°	3.9	3.9	3.9	3.9	3.9



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	43.2	113.8	168.7	192.2
110°	0.0	39.2	105.9	160.8	184.4



(END OF REPORT)