

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: P709911

Luminaire Tested: **8AWWS-L3C39-UNV-5000K-MID**

Issue Date: 9/26/2023



Test Information

Test Method: LM-79-08
Report Number: P709911
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-L3C39-UNV-5000K-MID
Description: 8foot, Wide Adapt Surface Wrap with, RD lens and MID lumen setting, 5000K, 90CRI

Light Source: -
Ballast/Driver: -

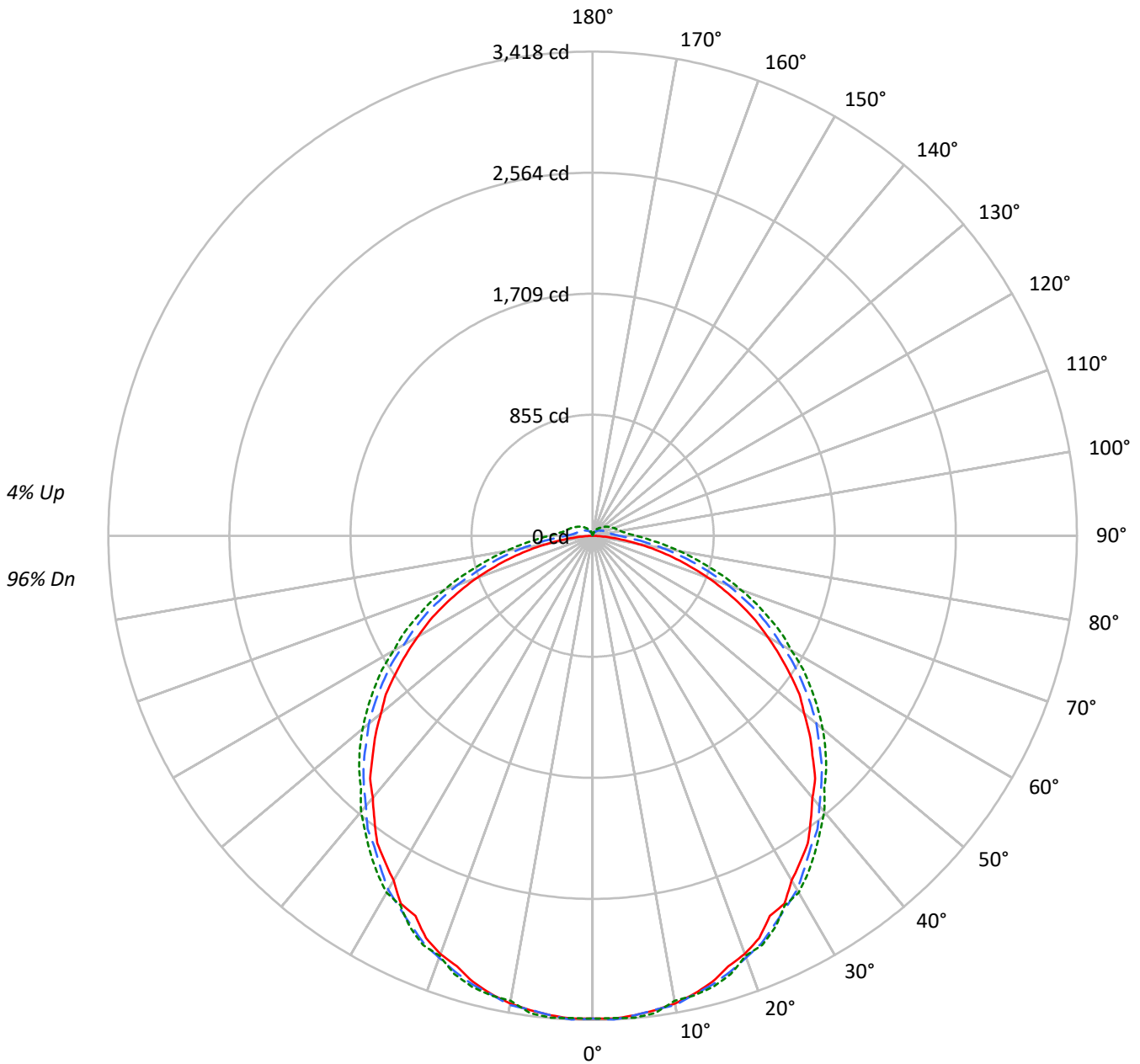
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10512.0 lumens
Efficiency: N/A
Efficacy: 146.0 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): 72
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°	5957	5957	5957
5°	5950	5879	5886
10°	5927	5805	5709
15°	5865	5686	5652
20°	5795	5568	5461
25°	5648	5439	5368
30°	5597	5327	5250
35°	5563	5145	5103
40°	5402	5002	4952
45°	5303	4869	4783
50°	5157	4702	4632
55°	5013	4480	4440
60°	4793	4205	4181
65°	4555	3962	3949
70°	4191	3597	3633
75°	3636	3143	3245
80°	2832	2644	2897
85°	1631	2148	2585



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	323.5	3.1
10°-20°	924.5	8.8
20°-30°	1395.0	13.3
30°-40°	1683.6	16.0
40°-50°	1754.5	16.7
50°-60°	1608.1	15.3
60°-70°	1261.1	12.0
70°-80°	779.6	7.4
80°-90°	330.6	3.1
90°-100°	144.8	1.4
100°-110°	102.8	1.0
110°-120°	77.1	0.7
120°-130°	55.0	0.5
130°-140°	36.3	0.3
140°-150°	21.5	0.2
150°-160°	10.2	0.1
160°-170°	3.4	0.0
170°-180°	0.5	0.0
0°-30°	2643.0	25.1
0°-40°	4326.6	41.2
0°-60°	7689.2	73.1
0°-90°	10060.5	95.7
90°-120°	324.6	3.1
90°-150°	437.4	4.2
90°-180°	451.0	4.3
0°-180°	10512.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3408	3408	3408	3408	3408	
5°	3398	3405	3398	3398	3415	323
15°	3261	3268	3278	3288	3295	918
25°	2960	3012	3032	3036	3049	1377
35°	2649	2660	2683	2728	2735	1647
45°	2195	2222	2287	2321	2331	1695
55°	1699	1743	1808	1846	1884	1518
65°	1155	1200	1289	1340	1374	1140
75°	584	646	745	827	848	621
85°	103	185	304	393	431	131
90°	7	79	188	270	304	7
95°	0	51	137	205	236	0
105°	0	38	103	157	178	0
115°	0	31	82	126	144	0
125°	0	27	65	96	113	0
135°	0	20	51	72	86	0
145°	3	17	38	51	58	2
155°	3	10	24	34	38	2
165°	3	7	10	17	17	1
175°	3	3	3	3	7	0
180°	3	3	3	3	3	



TEST NUMBER: P709911

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3408.1	3408.1	3408.1	3408.1	3408.1
2.5°	3411.6	3425.2	3418.4	3411.6	3408.1
5°	3397.9	3404.7	3397.9	3397.9	3415.0
7.5°	3377.4	3387.6	3374.0	3394.5	3397.9
10°	3353.4	3367.1	3363.7	3370.5	3332.9
12.5°	3312.4	3329.5	3315.8	3332.9	3322.7
15°	3261.1	3268.0	3278.2	3288.5	3295.3
17.5°	3185.9	3216.7	3227.0	3237.2	3244.1
20°	3141.5	3158.6	3168.9	3165.4	3155.2
22.5°	3073.1	3083.4	3114.2	3107.3	3127.8
25°	2960.3	3011.6	3032.1	3035.5	3049.2
27.5°	2929.6	2933.0	2956.9	2977.4	2939.8
30°	2809.9	2850.9	2885.1	2895.4	2909.1
32.5°	2727.9	2762.1	2782.6	2820.2	2827.0
35°	2649.3	2659.5	2683.4	2727.9	2734.7
37.5°	2529.6	2560.4	2608.2	2632.2	2635.6
40°	2413.4	2451.0	2488.6	2515.9	2543.3
42.5°	2324.5	2345.0	2389.5	2423.6	2420.2
45°	2194.6	2222.0	2286.9	2321.1	2331.3
47.5°	2078.4	2119.4	2167.3	2218.5	2228.8
50°	1948.5	1992.9	2061.3	2098.9	2119.4
52.5°	1839.1	1866.4	1934.8	1972.4	2003.2
55°	1698.9	1743.4	1808.3	1845.9	1883.5
57.5°	1562.2	1616.9	1681.9	1743.4	1763.9
60°	1425.5	1480.2	1538.3	1606.6	1620.3
62.5°	1295.6	1353.7	1415.2	1483.6	1510.9
65°	1155.4	1199.9	1288.7	1340.0	1374.2
67.5°	1008.4	1063.1	1148.6	1206.7	1247.7
70°	871.7	933.2	1015.3	1087.0	1111.0
72.5°	721.3	796.5	875.1	950.3	984.5
75°	584.5	646.1	745.2	827.3	847.8
77.5°	454.6	512.8	618.7	700.8	731.5
80°	317.9	389.7	502.5	584.5	622.1
82.5°	201.7	276.9	393.1	482.0	523.0
85°	102.6	184.6	304.2	393.1	430.7
87.5°	34.2	116.2	232.5	324.7	362.3
90°	6.8	78.6	188.0	270.1	304.2
92.5°	0.0	58.1	157.2	232.5	263.2
95°	0.0	51.3	136.7	205.1	235.9
97.5°	0.0	47.9	126.5	188.0	211.9
100°	0.0	44.4	116.2	174.3	198.3
102.5°	0.0	41.0	109.4	164.1	188.0
105°	0.0	37.6	102.6	157.2	177.8



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CATALOG NUMBER: 8AWWS-L3C39-UNV-5000K-MID

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	34.2	88.9	129.9	150.4
115°	0.0	30.8	82.0	126.5	143.6
117.5°	0.0	30.8	78.6	116.2	133.3
120°	0.0	27.3	71.8	109.4	126.5
122.5°	0.0	27.3	68.4	106.0	119.6
125°	0.0	27.3	64.9	95.7	112.8
127.5°	0.0	23.9	61.5	92.3	102.6
130°	0.0	23.9	58.1	85.5	95.7
132.5°	0.0	20.5	54.7	78.6	88.9
135°	0.0	20.5	51.3	71.8	85.5
137.5°	0.0	20.5	47.9	68.4	75.2
140°	0.0	17.1	44.4	61.5	71.8
142.5°	3.4	17.1	37.6	58.1	64.9
145°	3.4	17.1	37.6	51.3	58.1
147.5°	3.4	13.7	34.2	47.9	54.7
150°	3.4	13.7	30.8	41.0	47.9
152.5°	3.4	10.3	27.3	37.6	41.0
155°	3.4	10.3	23.9	34.2	37.6
157.5°	3.4	10.3	20.5	27.3	30.8
160°	3.4	6.8	17.1	23.9	27.3
162.5°	3.4	6.8	13.7	20.5	23.9
165°	3.4	6.8	10.3	17.1	17.1
167.5°	3.4	6.8	10.3	13.7	13.7
170°	3.4	3.4	6.8	10.3	10.3
172.5°	3.4	3.4	6.8	6.8	6.8
175°	3.4	3.4	3.4	3.4	6.8
177.5°	3.4	3.4	3.4	3.4	3.4
180°	3.4	3.4	3.4	3.4	3.4



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	37.6	99.1	147.0	167.5
110°	0.0	34.2	92.3	140.2	160.7



(END OF REPORT)