

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: P709713

Luminaire Tested: **2AWS-L3C39-UNV-5000K-MID**

Issue Date: 9/26/2023



Test Information

Test Method: LM-79-08
Report Number: P709713
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2307-090-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2AWS-L3C39-UNV-5000K-MID
Description: 2foot, Adapt Surface Wrap with, RD lens and MID lumen setting,
5000K, 90CRI

Light Source: -
Ballast/Driver: -

Summary

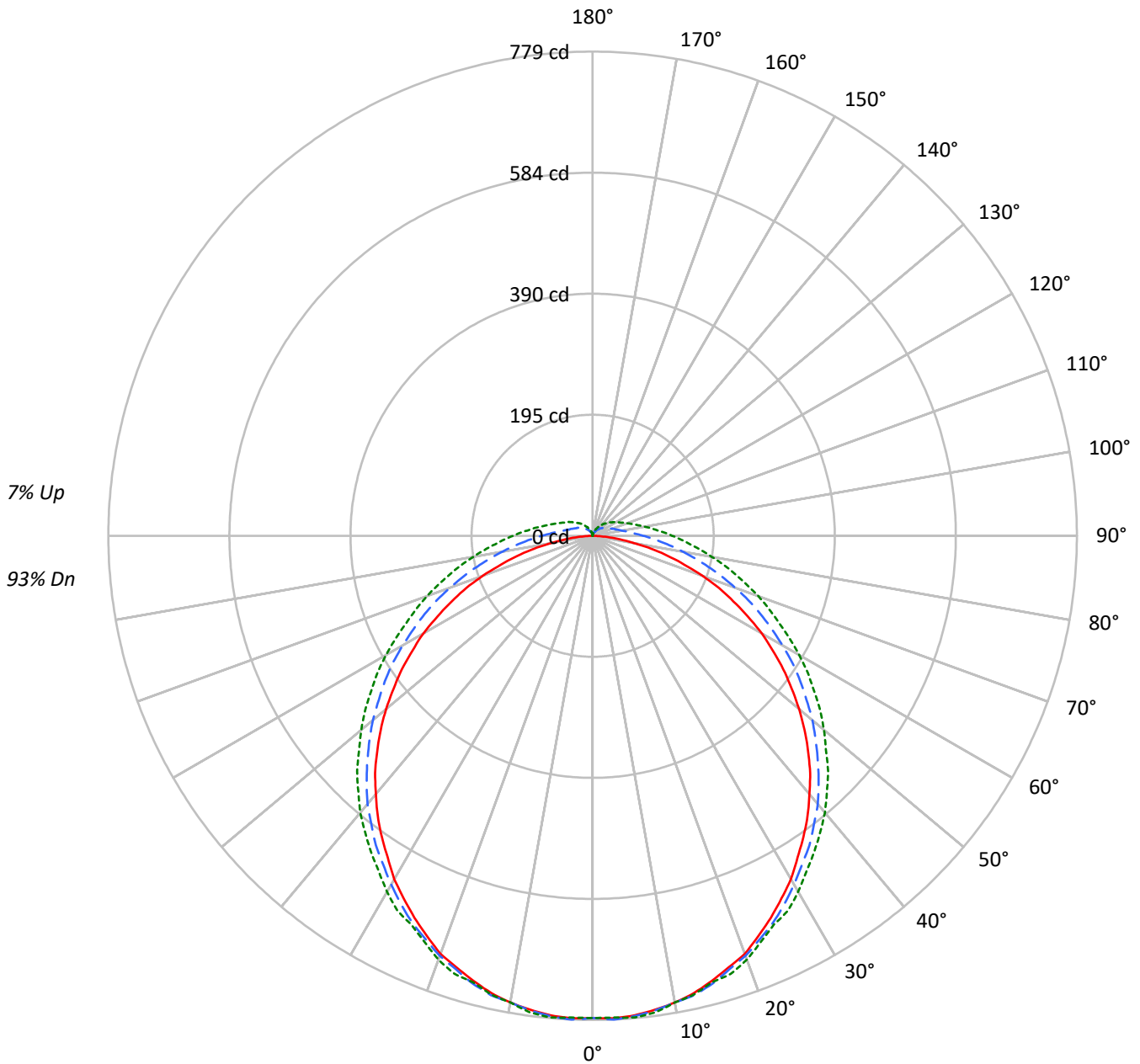
Lumens per Lamp: N/A
Luminaire Lumens: 2513.0 lumens
Efficiency: N/A
Efficacy: 119.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 1.71' x H: 0.12')
CIE Type: Direct

Input Watts (W): 21
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									
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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93																			
1	106	101	96	92	102	98	93	89	92	89	85	87	84	81	82	80	78	75																			
2	96	87	80	74	93	85	78	72	80	74	70	76	71	67	71	68	64	62																			
3	87	76	68	61	84	74	66	60	70	63	58	66	61	56	63	58	54	52																			
4	80	67	58	51	77	65	57	51	62	55	49	59	53	48	56	51	46	44																			
5	73	60	51	44	71	58	50	43	56	48	42	53	46	41	50	45	40	38																			
6	68	54	45	38	65	53	44	38	50	43	37	48	41	36	46	40	35	33																			
7	63	49	40	34	60	48	39	33	46	38	33	43	37	32	42	36	31	29																			
8	58	45	36	30	56	44	35	30	42	34	29	40	33	29	38	32	28	26																			
9	54	41	33	27	53	40	32	27	38	31	26	37	30	26	35	29	25	23																			
10	51	38	30	24	49	37	29	24	35	29	24	34	28	23	33	27	23	21																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10616	10616	10616
5°	10577	10443	10450
10°	10466	10175	10129
15°	10309	9942	9846
20°	10164	9651	9653
25°	9913	9351	9292
30°	9689	9020	9083
35°	9415	8726	8776
40°	9150	8413	8519
45°	8864	8035	8224
50°	8516	7678	7888
55°	8123	7293	7554
60°	7677	6862	7229
65°	7039	6422	6854
70°	6299	5927	6605
75°	5262	5426	6344
80°	3822	5004	6182
85°	2030	4699	6222



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.6	2.9
10°-20°	210.0	8.4
20°-30°	316.0	12.6
30°-40°	379.5	15.1
40°-50°	395.2	15.7
50°-60°	363.1	14.4
60°-70°	291.6	11.6
70°-80°	198.8	7.9
80°-90°	113.0	4.5
90°-100°	63.3	2.5
100°-110°	40.0	1.6
110°-120°	27.3	1.1
120°-130°	18.8	0.7
130°-140°	12.0	0.5
140°-150°	6.6	0.3
150°-160°	3.0	0.1
160°-170°	1.0	0.0
170°-180°	0.1	0.0
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0°-30°	599.6	23.9
0°-40°	979.1	39.0
0°-60°	1737.4	69.1
0°-90°	2340.9	93.2
90°-120°	130.7	5.2
90°-150°	168.0	6.7
90°-180°	172.0	6.8
0°-180°	2513.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	776	776	776	776	776	
5°	775	776	776	777	778	74
15°	741	740	746	748	744	209
25°	678	678	687	694	690	313
35°	591	595	608	617	621	370
45°	490	496	512	528	536	378
55°	375	386	408	427	435	334
65°	250	269	298	320	330	248
75°	126	152	192	224	237	133
85°	23	60	110	146	158	29
90°	1	36	81	114	128	1
95°	0	22	61	92	103	0
105°	0	14	39	61	70	0
115°	0	11	29	44	50	0
125°	1	8	22	33	38	1
135°	1	7	17	24	28	1
145°	1	4	11	17	18	1
155°	1	3	7	10	11	1
165°	1	2	3	4	6	0
175°	1	1	1	1	1	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	775.8	775.8	775.8	775.8	775.8
2.5°	777.0	775.8	779.2	778.1	775.8
5°	774.7	775.8	775.8	777.0	778.1
7.5°	769.2	767.0	770.3	773.6	773.6
10°	762.5	760.3	762.5	764.7	762.5
12.5°	753.6	749.2	756.9	756.9	755.8
15°	741.4	740.3	745.8	748.1	743.6
17.5°	728.0	731.4	731.4	735.8	739.2
20°	715.8	713.6	719.2	722.5	725.8
22.5°	696.9	695.8	702.5	708.0	706.9
25°	678.0	678.0	686.9	693.6	690.3
27.5°	658.0	658.0	668.0	674.7	680.3
30°	638.0	640.2	648.0	656.9	661.4
32.5°	613.6	619.1	626.9	639.1	640.2
35°	591.3	594.7	608.0	616.9	621.3
37.5°	568.0	569.1	584.7	596.9	601.3
40°	542.4	544.6	563.5	574.7	581.3
42.5°	518.0	520.2	538.0	552.4	558.0
45°	490.2	495.7	512.4	528.0	535.8
47.5°	462.4	470.2	486.8	504.6	509.1
50°	433.5	441.3	461.3	475.7	485.7
52.5°	403.5	413.5	433.5	452.4	461.3
55°	374.6	385.7	407.9	426.8	434.6
57.5°	343.5	356.8	381.3	401.3	410.2
60°	314.6	325.7	352.4	373.5	383.5
62.5°	281.2	295.7	324.6	347.9	356.8
65°	250.1	269.0	297.9	320.1	330.1
67.5°	220.1	239.0	271.2	294.6	306.8
70°	187.8	209.0	243.4	270.1	283.4
72.5°	154.5	179.0	217.9	247.9	259.0
75°	125.6	152.3	192.3	224.5	236.8
77.5°	96.7	124.5	169.0	202.3	215.6
80°	67.8	98.9	147.8	182.3	194.5
82.5°	44.5	78.9	127.8	162.3	175.6
85°	23.3	60.0	110.0	145.6	157.8
87.5°	7.8	45.6	94.5	130.0	142.3
90°	1.1	35.6	81.1	114.5	127.8
92.5°	0.0	27.8	70.0	103.4	115.6
95°	0.0	22.2	61.1	92.3	103.4
97.5°	0.0	18.9	54.5	82.3	94.5
100°	0.0	16.7	47.8	74.5	84.5
102.5°	0.0	15.6	43.3	66.7	76.7
105°	0.0	14.4	38.9	61.1	70.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	11.1	31.1	47.8	54.5
115°	0.0	11.1	28.9	44.5	50.0
117.5°	0.0	10.0	27.8	41.1	46.7
120°	0.0	8.9	25.6	38.9	44.5
122.5°	0.0	8.9	23.3	36.7	41.1
125°	1.1	7.8	22.2	33.3	37.8
127.5°	1.1	7.8	21.1	31.1	35.6
130°	1.1	6.7	18.9	28.9	32.2
132.5°	1.1	6.7	17.8	26.7	30.0
135°	1.1	6.7	16.7	24.5	27.8
137.5°	1.1	5.6	14.4	22.2	25.6
140°	1.1	5.6	13.3	20.0	23.3
142.5°	1.1	5.6	12.2	17.8	21.1
145°	1.1	4.4	11.1	16.7	17.8
147.5°	1.1	4.4	10.0	14.4	16.7
150°	1.1	3.3	8.9	12.2	14.4
152.5°	1.1	3.3	7.8	11.1	12.2
155°	1.1	3.3	6.7	10.0	11.1
157.5°	1.1	3.3	5.6	8.9	8.9
160°	1.1	2.2	4.4	6.7	7.8
162.5°	1.1	2.2	4.4	5.6	6.7
165°	1.1	2.2	3.3	4.4	5.6
167.5°	1.1	1.1	2.2	3.3	4.4
170°	1.1	1.1	2.2	2.2	3.3
172.5°	1.1	1.1	1.1	1.1	2.2
175°	1.1	1.1	1.1	1.1	1.1
177.5°	1.1	1.1	1.1	0.0	0.0
180°	1.1	1.1	1.1	1.1	1.1



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	13.3	36.7	55.6	64.5
110°	0.0	12.2	33.3	51.1	58.9



(END OF REPORT)