

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: P709695

Luminaire Tested: **2AWS-L3C39-CA-UNV-4000K-MID**

Issue Date: 9/26/2023



Test Information

Test Method: LM-79-08
Report Number: P709695
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-CA-UNV-4000K-MID
Description: 2foot, Adapt Surface Wrap with, RD lens and MID lumen setting,
4000K, 90CRI

Light Source: -
Ballast/Driver: -

Summary

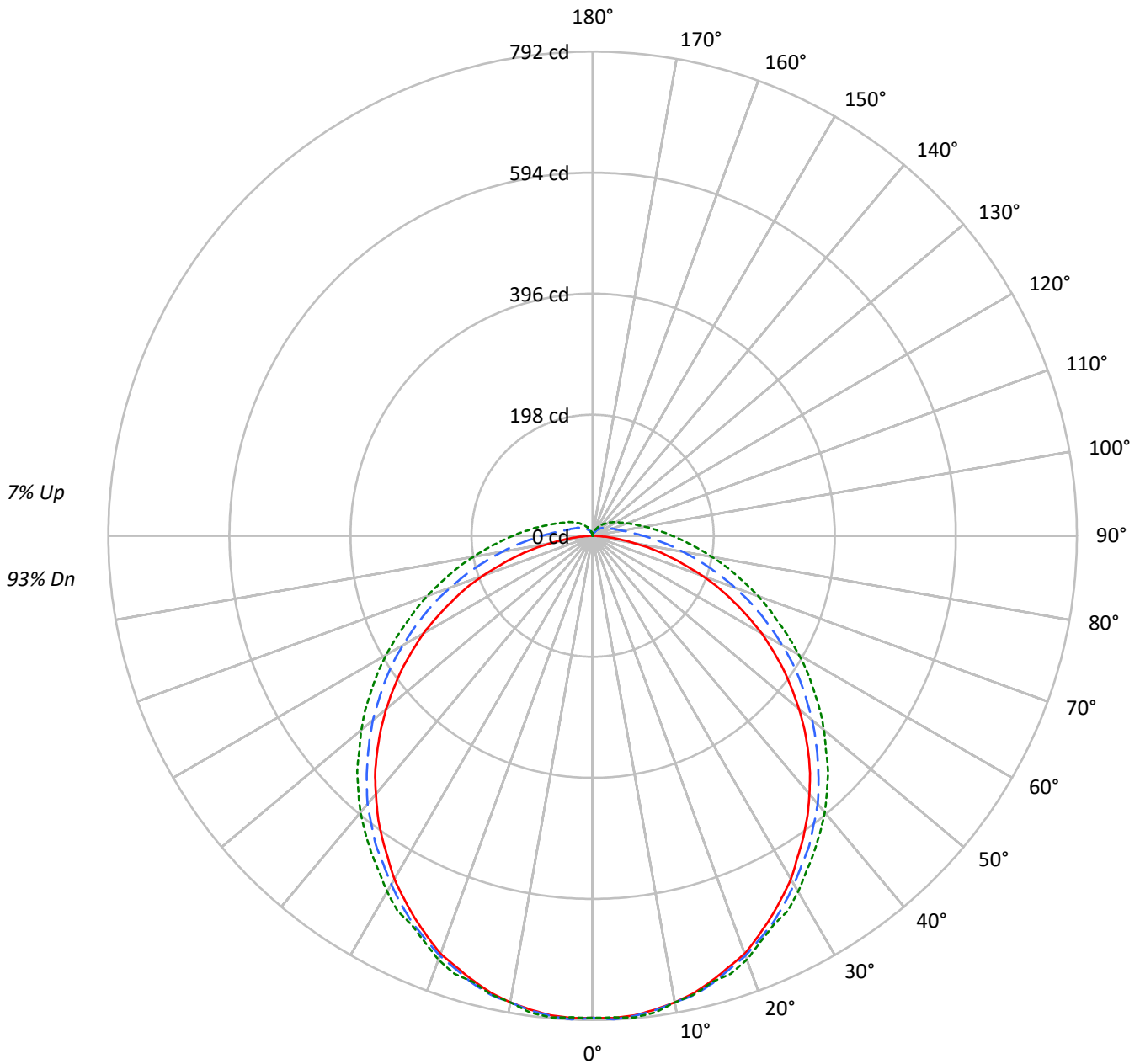
Lumens per Lamp: N/A
Luminaire Lumens: 2554.0 lumens
Efficiency: N/A
Efficacy: 121.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 1.71' x H: 0.12')
CIE Type: Direct

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°	10790	10790	10790
5°	10750	10614	10620
10°	10636	10341	10294
15°	10478	10105	10006
20°	10330	9808	9811
25°	10075	9503	9443
30°	9846	9168	9230
35°	9570	8869	8920
40°	9300	8551	8658
45°	9009	8167	8357
50°	8656	7803	8018
55°	8255	7413	7678
60°	7801	6973	7346
65°	7154	6525	6966
70°	6403	6024	6714
75°	5350	5514	6446
80°	3884	5085	6283
85°	2065	4776	6325



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.8	2.9
10°-20°	213.4	8.4
20°-30°	321.2	12.6
30°-40°	385.7	15.1
40°-50°	401.6	15.7
50°-60°	369.0	14.4
60°-70°	296.4	11.6
70°-80°	202.1	7.9
80°-90°	114.8	4.5
90°-100°	64.3	2.5
100°-110°	40.7	1.6
110°-120°	27.8	1.1
120°-130°	19.1	0.7
130°-140°	12.1	0.5
140°-150°	6.7	0.3
150°-160°	3.1	0.1
160°-170°	1.0	0.0
170°-180°	0.1	0.0
0°-30°	609.4	23.9
0°-40°	995.1	39.0
0°-60°	1765.8	69.1
0°-90°	2379.1	93.1
90°-120°	132.8	5.2
90°-150°	170.8	6.7
90°-180°	175.0	6.9
0°-180°	2554.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	788	788	788	788	788	
5°	787	788	788	790	791	75
15°	754	752	758	760	756	213
25°	689	689	698	705	702	318
35°	601	604	618	627	632	376
45°	498	504	521	537	544	384
55°	381	392	415	434	442	340
65°	254	273	303	325	336	252
75°	128	155	195	228	241	135
85°	24	61	112	148	160	29
90°	1	36	82	116	130	1
95°	0	23	62	94	105	0
105°	0	15	40	62	71	0
115°	0	11	29	45	51	0
125°	1	8	23	34	38	1
135°	1	7	17	25	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°	788.5	788.5	788.5	788.5	788.5
2.5°	789.6	788.5	791.9	790.8	788.5
5°	787.4	788.5	788.5	789.6	790.8
7.5°	781.7	779.5	782.9	786.2	786.2
10°	774.9	772.7	774.9	777.2	774.9
12.5°	765.9	761.4	769.3	769.3	768.2
15°	753.5	752.4	758.0	760.3	755.7
17.5°	739.9	743.3	743.3	747.8	751.2
20°	727.5	725.2	730.9	734.3	737.7
22.5°	708.3	707.2	713.9	719.6	718.5
25°	689.1	689.1	698.1	704.9	701.5
27.5°	668.8	668.8	678.9	685.7	691.4
30°	648.4	650.7	658.6	667.6	672.1
32.5°	623.6	629.2	637.1	649.6	650.7
35°	601.0	604.4	617.9	627.0	631.5
37.5°	577.3	578.4	594.2	606.6	611.1
40°	551.3	553.5	572.7	584.0	590.8
42.5°	526.4	528.7	546.8	561.4	567.1
45°	498.2	503.8	520.8	536.6	544.5
47.5°	469.9	477.8	494.8	512.9	517.4
50°	440.6	448.5	468.8	483.5	493.7
52.5°	410.1	420.2	440.6	459.8	468.8
55°	380.7	392.0	414.6	433.8	441.7
57.5°	349.1	362.6	387.5	407.8	416.8
60°	319.7	331.0	358.1	379.6	389.7
62.5°	285.8	300.5	329.9	353.6	362.6
65°	254.2	273.4	302.7	325.3	335.5
67.5°	223.7	242.9	275.6	299.4	311.8
70°	190.9	212.4	247.4	274.5	288.1
72.5°	157.0	181.9	221.4	251.9	263.2
75°	127.7	154.8	195.4	228.2	240.6
77.5°	98.3	126.5	171.7	205.6	219.2
80°	68.9	100.5	150.2	185.3	197.7
82.5°	45.2	80.2	129.9	164.9	178.5
85°	23.7	61.0	111.8	148.0	160.4
87.5°	7.9	46.3	96.0	132.2	144.6
90°	1.1	36.1	82.5	116.4	129.9
92.5°	0.0	28.2	71.2	105.1	117.5
95°	0.0	22.6	62.1	93.8	105.1
97.5°	0.0	19.2	55.4	83.6	96.0
100°	0.0	16.9	48.6	75.7	85.9
102.5°	0.0	15.8	44.1	67.8	77.9
105°	0.0	14.7	39.5	62.1	71.2



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CATALOG NUMBER: 2AWS-L3C39-CA-UNV-4000K-MID

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	11.3	31.6	48.6	55.4
115°	0.0	11.3	29.4	45.2	50.8
117.5°	0.0	10.2	28.2	41.8	47.4
120°	0.0	9.0	26.0	39.5	45.2
122.5°	0.0	9.0	23.7	37.3	41.8
125°	1.1	7.9	22.6	33.9	38.4
127.5°	1.1	7.9	21.5	31.6	36.1
130°	1.1	6.8	19.2	29.4	32.8
132.5°	1.1	6.8	18.1	27.1	30.5
135°	1.1	6.8	16.9	24.9	28.2
137.5°	1.1	5.6	14.7	22.6	26.0
140°	1.1	5.6	13.6	20.3	23.7
142.5°	1.1	5.6	12.4	18.1	21.5
145°	1.1	4.5	11.3	16.9	18.1
147.5°	1.1	4.5	10.2	14.7	16.9
150°	1.1	3.4	9.0	12.4	14.7
152.5°	1.1	3.4	7.9	11.3	12.4
155°	1.1	3.4	6.8	10.2	11.3
157.5°	1.1	3.4	5.6	9.0	9.0
160°	1.1	2.3	4.5	6.8	7.9
162.5°	1.1	2.3	4.5	5.6	6.8
165°	1.1	2.3	3.4	4.5	5.6
167.5°	1.1	1.1	2.3	3.4	4.5
170°	1.1	1.1	2.3	2.3	3.4
172.5°	1.1	1.1	1.1	1.1	2.3
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	13.6	37.3	56.5	65.5
110°	0.0	12.4	33.9	52.0	59.9



(END OF REPORT)