

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: P709691

Luminaire Tested: **2AWS-L3C39-CA-UNV-3500K-LOW**

Issue Date: 9/26/2023



Test Information

Test Method: LM-79-08
Report Number: P709691
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-3500K-LOW
Description: 2foot, Adapt Surface Wrap with, RD lens and LOW lumen setting,
3500K, 90CRI

Light Source: -
Ballast/Driver: -

Summary

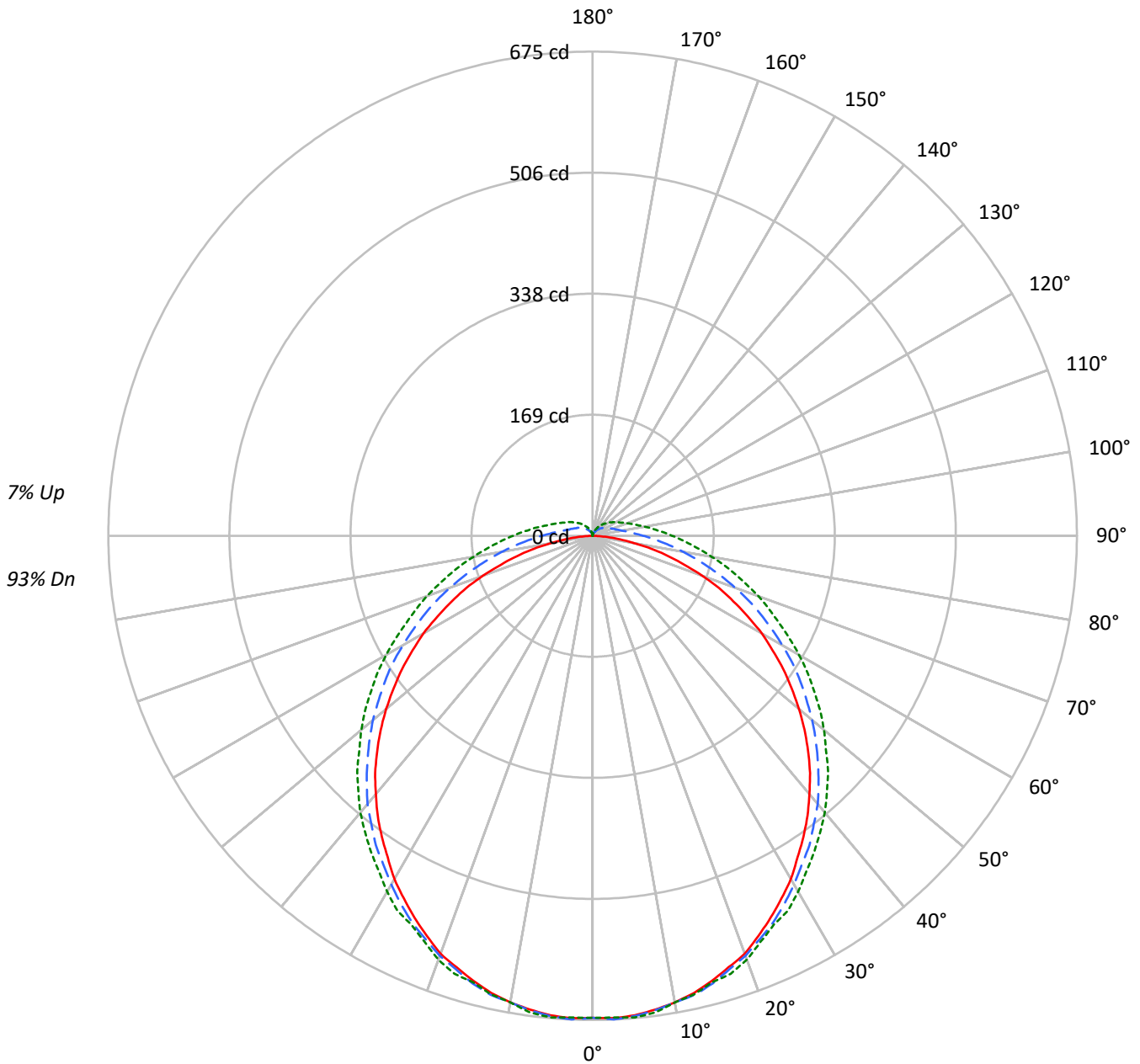
Lumens per Lamp: N/A
Luminaire Lumens: 2177.0 lumens
Efficiency: N/A
Efficacy: 128.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 1.71' x H: 0.12')
CIE Type: Direct

Input Watts (W): 17
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°	9197	9197	9197
5°	9162	9047	9052
10°	9067	8815	8776
15°	8931	8613	8530
20°	8805	8360	8363
25°	8588	8101	8050
30°	8393	7815	7867
35°	8157	7560	7604
40°	7927	7289	7380
45°	7678	6961	7123
50°	7377	6651	6834
55°	7037	6319	6544
60°	6650	5943	6262
65°	6099	5564	5938
70°	5457	5135	5722
75°	4559	4701	5495
80°	3309	4337	5355
85°	1760	4071	5390



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.8	2.9
10°-20°	181.9	8.4
20°-30°	273.8	12.6
30°-40°	328.8	15.1
40°-50°	342.3	15.7
50°-60°	314.5	14.4
60°-70°	252.6	11.6
70°-80°	172.2	7.9
80°-90°	97.9	4.5
90°-100°	54.8	2.5
100°-110°	34.7	1.6
110°-120°	23.7	1.1
120°-130°	16.3	0.7
130°-140°	10.4	0.5
140°-150°	5.8	0.3
150°-160°	2.6	0.1
160°-170°	0.8	0.0
170°-180°	0.1	0.0
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0°-30°	519.5	23.9
0°-40°	848.2	39.0
0°-60°	1505.1	69.1
0°-90°	2027.9	93.1
90°-120°	113.2	5.2
90°-150°	145.6	6.7
90°-180°	149.0	6.8
0°-180°	2177.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	672	672	672	672	672	
5°	671	672	672	673	674	64
15°	642	641	646	648	644	181
25°	587	587	595	601	598	271
35°	512	515	527	534	538	321
45°	425	430	444	457	464	327
55°	324	334	353	370	376	290
65°	217	233	258	277	286	215
75°	109	132	167	194	205	115
85°	20	52	95	126	137	25
90°	1	31	70	99	111	1
95°	0	19	53	80	90	0
105°	0	12	34	53	61	0
115°	0	10	25	38	43	0
125°	1	7	19	29	33	1
135°	1	6	14	21	24	1
145°	1	4	10	14	15	1
155°	1	3	6	9	10	0
165°	1	2	3	4	5	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°	672.1	672.1	672.1	672.1	672.1
2.5°	673.1	672.1	675.0	674.0	672.1
5°	671.1	672.1	672.1	673.1	674.0
7.5°	666.3	664.4	667.3	670.2	670.2
10°	660.6	658.6	660.6	662.5	660.6
12.5°	652.9	649.0	655.7	655.7	654.8
15°	642.3	641.3	646.1	648.0	644.2
17.5°	630.7	633.6	633.6	637.4	640.3
20°	620.1	618.2	623.0	625.9	628.8
22.5°	603.7	602.8	608.6	613.4	612.4
25°	587.4	587.4	595.1	600.9	598.0
27.5°	570.0	570.0	578.7	584.5	589.3
30°	552.7	554.6	561.4	569.1	572.9
32.5°	531.5	536.3	543.1	553.7	554.6
35°	512.3	515.2	526.7	534.4	538.3
37.5°	492.0	493.0	506.5	517.1	520.9
40°	469.9	471.8	488.2	497.8	503.6
42.5°	448.7	450.6	466.0	478.6	483.4
45°	424.6	429.5	443.9	457.4	464.1
47.5°	400.6	407.3	421.8	437.2	441.0
50°	375.5	382.3	399.6	412.1	420.8
52.5°	349.5	358.2	375.5	391.9	399.6
55°	324.5	334.1	353.4	369.8	376.5
57.5°	297.5	309.1	330.3	347.6	355.3
60°	272.5	282.1	305.2	323.5	332.2
62.5°	243.6	256.1	281.2	301.4	309.1
65°	216.7	233.0	258.1	277.3	286.0
67.5°	190.7	207.0	234.9	255.2	265.8
70°	162.7	181.0	210.9	234.0	245.5
72.5°	133.8	155.0	188.7	214.7	224.4
75°	108.8	131.9	166.6	194.5	205.1
77.5°	83.8	107.8	146.4	175.2	186.8
80°	58.7	85.7	128.1	157.9	168.5
82.5°	38.5	68.4	110.7	140.6	152.1
85°	20.2	52.0	95.3	126.1	136.7
87.5°	6.7	39.5	81.8	112.7	123.3
90°	1.0	30.8	70.3	99.2	110.7
92.5°	0.0	24.1	60.7	89.6	100.1
95°	0.0	19.3	53.0	79.9	89.6
97.5°	0.0	16.4	47.2	71.3	81.8
100°	0.0	14.4	41.4	64.5	73.2
102.5°	0.0	13.5	37.6	57.8	66.4
105°	0.0	12.5	33.7	53.0	60.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	9.6	27.0	41.4	47.2
115°	0.0	9.6	25.0	38.5	43.3
117.5°	0.0	8.7	24.1	35.6	40.4
120°	0.0	7.7	22.1	33.7	38.5
122.5°	0.0	7.7	20.2	31.8	35.6
125°	1.0	6.7	19.3	28.9	32.7
127.5°	1.0	6.7	18.3	27.0	30.8
130°	1.0	5.8	16.4	25.0	27.9
132.5°	1.0	5.8	15.4	23.1	26.0
135°	1.0	5.8	14.4	21.2	24.1
137.5°	1.0	4.8	12.5	19.3	22.1
140°	1.0	4.8	11.6	17.3	20.2
142.5°	1.0	4.8	10.6	15.4	18.3
145°	1.0	3.9	9.6	14.4	15.4
147.5°	1.0	3.9	8.7	12.5	14.4
150°	1.0	2.9	7.7	10.6	12.5
152.5°	1.0	2.9	6.7	9.6	10.6
155°	1.0	2.9	5.8	8.7	9.6
157.5°	1.0	2.9	4.8	7.7	7.7
160°	1.0	1.9	3.9	5.8	6.7
162.5°	1.0	1.9	3.9	4.8	5.8
165°	1.0	1.9	2.9	3.9	4.8
167.5°	1.0	1.0	1.9	2.9	3.9
170°	1.0	1.0	1.9	1.9	2.9
172.5°	1.0	1.0	1.0	1.0	1.9
175°	1.0	1.0	1.0	1.0	1.0
177.5°	1.0	1.0	1.0	0.0	0.0
180°	1.0	1.0	1.0	1.0	1.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	11.6	31.8	48.1	55.8
110°	0.0	10.6	28.9	44.3	51.0



(END OF REPORT)