

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: P709688

Luminaire Tested: **2AWS-L3C39-CA-UNV-3000K-LOW**

Issue Date: 9/26/2023



Test Information

Test Method: LM-79-08
Report Number: P709688
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-3000K-LOW
Description: 2foot, Adapt Surface Wrap with, RD lens and LOW lumen setting,
3000K, 90CRI

Light Source: -
Ballast/Driver: -

Summary

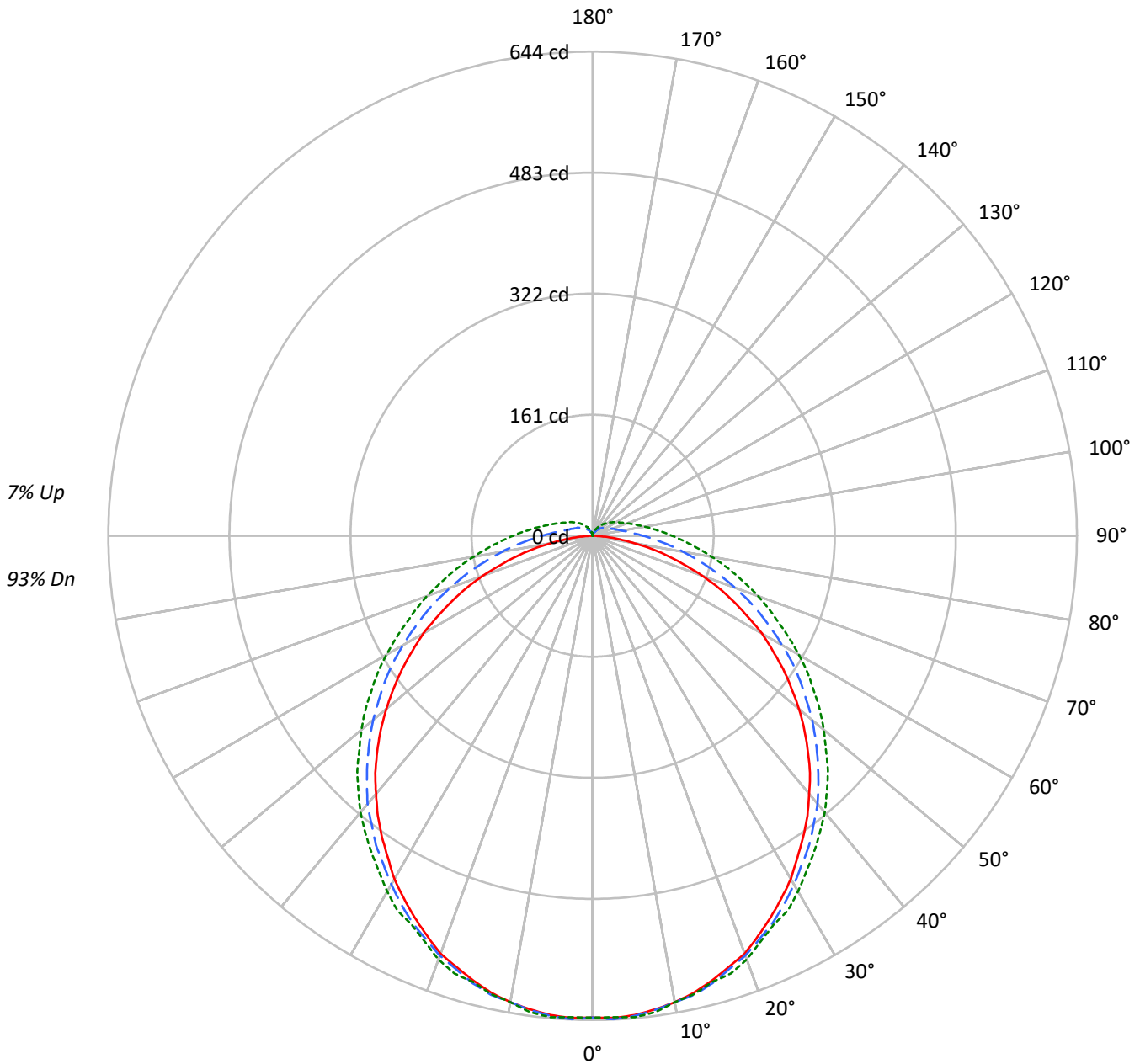
Lumens per Lamp: N/A
Luminaire Lumens: 2076.0 lumens
Efficiency: N/A
Efficacy: 122.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 1.71' x H: 0.12')
CIE Type: Direct

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°	8770	8770	8770
5°	8738	8627	8633
10°	8646	8406	8368
15°	8517	8213	8134
20°	8396	7972	7974
25°	8189	7725	7676
30°	8004	7451	7502
35°	7778	7209	7250
40°	7559	6950	7037
45°	7322	6638	6793
50°	7035	6343	6517
55°	6709	6026	6240
60°	6342	5669	5972
65°	5815	5305	5662
70°	5206	4897	5456
75°	4349	4484	5240
80°	3157	4134	5107
85°	1681	3883	5142



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.8	2.9
10°-20°	173.5	8.4
20°-30°	261.1	12.6
30°-40°	313.5	15.1
40°-50°	326.5	15.7
50°-60°	300.0	14.4
60°-70°	240.9	11.6
70°-80°	164.2	7.9
80°-90°	93.3	4.5
90°-100°	52.3	2.5
100°-110°	33.1	1.6
110°-120°	22.6	1.1
120°-130°	15.5	0.7
130°-140°	9.9	0.5
140°-150°	5.5	0.3
150°-160°	2.5	0.1
160°-170°	0.8	0.0
170°-180°	0.1	0.0
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0°-30°	495.4	23.9
0°-40°	808.9	39.0
0°-60°	1435.3	69.1
0°-90°	1933.8	93.2
90°-120°	107.9	5.2
90°-150°	138.8	6.7
90°-180°	142.0	6.8
0°-180°	2076.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	641	641	641	641	641	
5°	640	641	641	642	643	61
15°	612	612	616	618	614	173
25°	560	560	568	573	570	258
35°	488	491	502	510	513	306
45°	405	410	423	436	443	312
55°	309	319	337	353	359	276
65°	207	222	246	264	273	205
75°	104	126	159	186	196	110
85°	19	50	91	120	130	24
90°	1	29	67	95	106	1
95°	0	18	50	76	85	0
105°	0	12	32	50	58	0
115°	0	9	24	37	41	0
125°	1	6	18	28	31	0
135°	1	6	14	20	23	1
145°	1	4	9	14	15	1
155°	1	3	6	8	9	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°	640.9	640.9	640.9	640.9	640.9
2.5°	641.8	640.9	643.7	642.8	640.9
5°	640.0	640.9	640.9	641.8	642.8
7.5°	635.4	633.6	636.3	639.1	639.1
10°	629.9	628.1	629.9	631.7	629.9
12.5°	622.6	618.9	625.3	625.3	624.4
15°	612.5	611.5	616.1	618.0	614.3
17.5°	601.4	604.2	604.2	607.9	610.6
20°	591.3	589.5	594.1	596.9	599.6
22.5°	575.7	574.8	580.3	584.9	584.0
25°	560.1	560.1	567.5	573.0	570.2
27.5°	543.6	543.6	551.9	557.4	562.0
30°	527.1	528.9	535.3	542.7	546.3
32.5°	506.9	511.5	517.9	528.0	528.9
35°	488.5	491.3	502.3	509.6	513.3
37.5°	469.2	470.1	483.0	493.1	496.8
40°	448.1	449.9	465.5	474.7	480.2
42.5°	427.9	429.7	444.4	456.4	461.0
45°	404.9	409.5	423.3	436.2	442.6
47.5°	382.0	388.4	402.2	416.9	420.6
50°	358.1	364.5	381.1	393.0	401.3
52.5°	333.3	341.6	358.1	373.7	381.1
55°	309.4	318.6	337.0	352.6	359.0
57.5°	283.7	294.8	315.0	331.5	338.8
60°	259.9	269.0	291.1	308.5	316.8
62.5°	232.3	244.3	268.1	287.4	294.8
65°	206.6	222.2	246.1	264.5	272.7
67.5°	181.8	197.4	224.0	243.3	253.4
70°	155.2	172.6	201.1	223.1	234.1
72.5°	127.6	147.8	180.0	204.8	213.9
75°	103.8	125.8	158.9	185.5	195.6
77.5°	79.9	102.8	139.6	167.1	178.1
80°	56.0	81.7	122.1	150.6	160.7
82.5°	36.7	65.2	105.6	134.1	145.1
85°	19.3	49.6	90.9	120.3	130.4
87.5°	6.4	37.6	78.0	107.4	117.5
90°	0.9	29.4	67.0	94.6	105.6
92.5°	0.0	23.0	57.8	85.4	95.5
95°	0.0	18.4	50.5	76.2	85.4
97.5°	0.0	15.6	45.0	67.9	78.0
100°	0.0	13.8	39.5	61.5	69.8
102.5°	0.0	12.9	35.8	55.1	63.4
105°	0.0	11.9	32.1	50.5	57.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	9.2	25.7	39.5	45.0
115°	0.0	9.2	23.9	36.7	41.3
117.5°	0.0	8.3	23.0	34.0	38.6
120°	0.0	7.3	21.1	32.1	36.7
122.5°	0.0	7.3	19.3	30.3	34.0
125°	0.9	6.4	18.4	27.5	31.2
127.5°	0.9	6.4	17.4	25.7	29.4
130°	0.9	5.5	15.6	23.9	26.6
132.5°	0.9	5.5	14.7	22.0	24.8
135°	0.9	5.5	13.8	20.2	23.0
137.5°	0.9	4.6	11.9	18.4	21.1
140°	0.9	4.6	11.0	16.5	19.3
142.5°	0.9	4.6	10.1	14.7	17.4
145°	0.9	3.7	9.2	13.8	14.7
147.5°	0.9	3.7	8.3	11.9	13.8
150°	0.9	2.8	7.3	10.1	11.9
152.5°	0.9	2.8	6.4	9.2	10.1
155°	0.9	2.8	5.5	8.3	9.2
157.5°	0.9	2.8	4.6	7.3	7.3
160°	0.9	1.8	3.7	5.5	6.4
162.5°	0.9	1.8	3.7	4.6	5.5
165°	0.9	1.8	2.8	3.7	4.6
167.5°	0.9	0.9	1.8	2.8	3.7
170°	0.9	0.9	1.8	1.8	2.8
172.5°	0.9	0.9	0.9	0.9	1.8
175°	0.9	0.9	0.9	0.9	0.9
177.5°	0.9	0.9	0.9	0.0	0.0
180°	0.9	0.9	0.9	0.9	0.9



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	11.0	30.3	45.9	53.3
110°	0.0	10.1	27.5	42.2	48.7



(END OF REPORT)