

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: P709679

Luminaire Tested: **2AWS-L3C3-UNV-3500K-LOW**

Issue Date: 9/26/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P709679  
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-L3C3-UNV-3500K-LOW  
Description: 2foot, Adapt Surface Wrap with, RD lens and LOW lumen setting,  
3500K, 80CRI  
  
Light Source: -  
Ballast/Driver: -

**Summary**

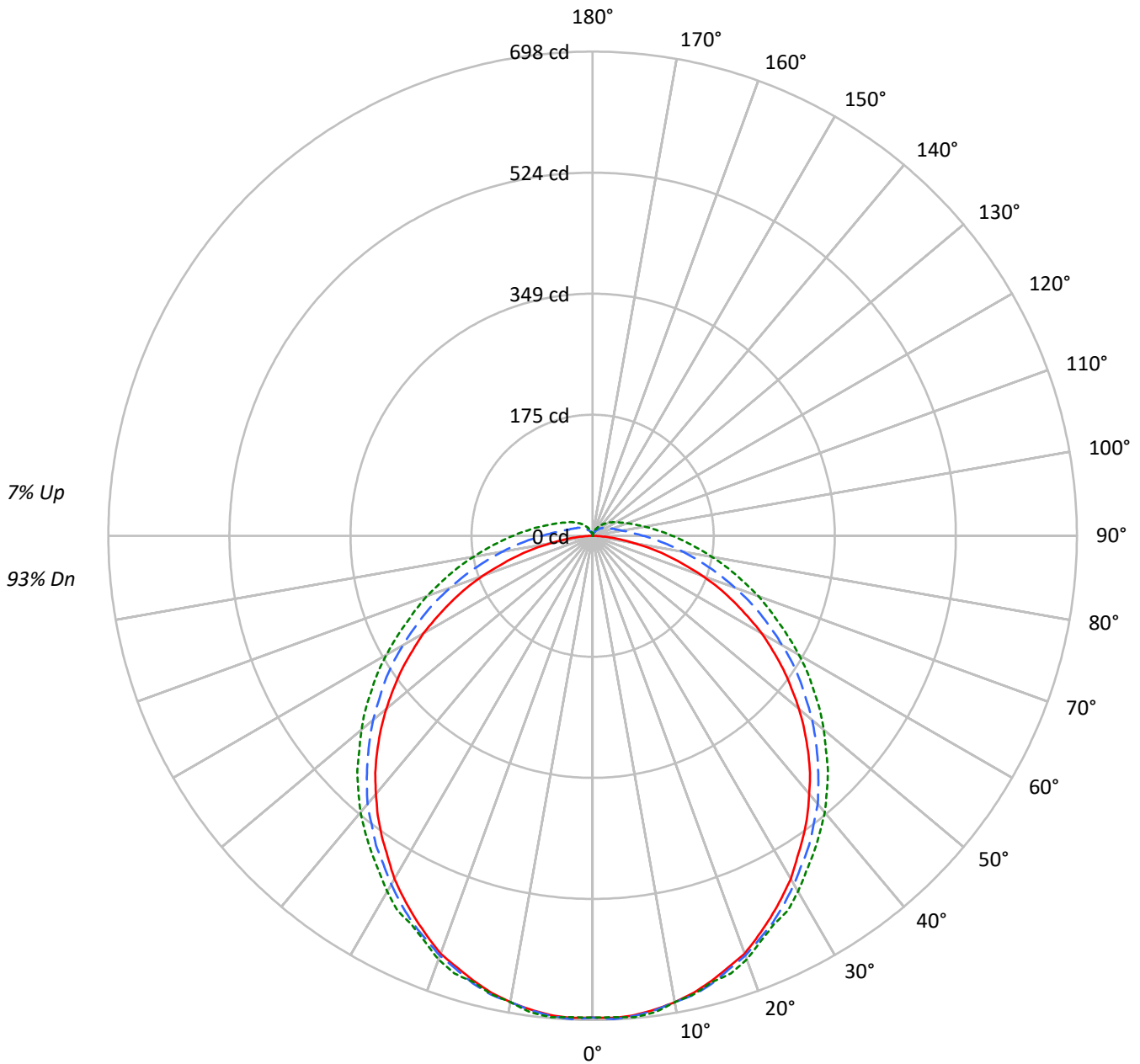
Lumens per Lamp: N/A  
Luminaire Lumens: 2250.0 lumens  
Efficiency: N/A  
Efficacy: 125.0 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 1.71' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 18  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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				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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	96	96	96	93
1	106	101	96	92	102	98	93	89	92	89	85	87	84	81	82	80	78	78	78	78	75
2	96	87	80	74	93	85	78	72	80	74	70	76	71	67	71	68	64	64	64	64	62
3	87	76	68	61	84	74	66	60	70	63	58	66	61	56	63	58	54	54	54	54	52
4	80	67	58	51	77	65	57	51	62	55	49	59	53	48	56	51	46	46	46	46	44
5	73	60	51	44	71	58	50	43	56	48	42	53	46	41	50	45	40	40	40	40	38
6	68	54	45	38	65	53	44	38	50	43	37	48	41	36	46	40	35	35	35	35	33
7	63	49	40	34	60	48	39	33	46	38	33	43	37	32	42	36	31	31	31	31	29
8	58	45	36	30	56	44	35	30	42	34	29	40	33	29	38	32	28	28	28	28	26
9	54	41	33	27	53	40	32	27	38	31	26	37	30	26	35	29	25	25	25	25	23
10	51	38	30	24	49	37	29	24	35	29	24	34	28	23	33	27	23	23	23	23	21

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	9505	9505	9505
5°	9471	9350	9355
10°	9370	9110	9069
15°	9230	8902	8816
20°	9101	8641	8643
25°	8876	8372	8319
30°	8674	8076	8131
35°	8430	7814	7858
40°	8194	7534	7628
45°	7937	7195	7363
50°	7624	6874	7063
55°	7273	6530	6763
60°	6872	6144	6471
65°	6301	5749	6138
70°	5642	5306	5915
75°	4714	4859	5679
80°	3422	4483	5537
85°	1821	4208	5572



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	65.9	2.9
10°-20°	188.0	8.4
20°-30°	282.9	12.6
30°-40°	339.8	15.1
40°-50°	353.8	15.7
50°-60°	325.1	14.4
60°-70°	261.1	11.6
70°-80°	178.0	7.9
80°-90°	101.2	4.5
90°-100°	56.7	2.5
100°-110°	35.8	1.6
110°-120°	24.5	1.1
120°-130°	16.8	0.7
130°-140°	10.7	0.5
140°-150°	5.9	0.3
150°-160°	2.7	0.1
160°-170°	0.9	0.0
170°-180°	0.1	0.0
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0°-30°	536.9	23.9
0°-40°	876.7	39.0
0°-60°	1555.6	69.1
0°-90°	2095.9	93.1
90°-120°	117.0	5.2
90°-150°	150.5	6.7
90°-180°	154.0	6.8
0°-180°	2250.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	695	695	695	695	695	
5°	694	695	695	696	697	66
15°	664	663	668	670	666	187
25°	607	607	615	621	618	280
35°	529	532	544	552	556	331
45°	439	444	459	473	480	338
55°	335	345	365	382	389	299
65°	224	241	267	287	296	222
75°	112	136	172	201	212	119
85°	21	54	98	130	141	26
90°	1	32	73	102	114	1
95°	0	20	55	83	93	0
105°	0	13	35	55	63	0
115°	0	10	26	40	45	0
125°	1	7	20	30	34	1
135°	1	6	15	22	25	1
145°	1	4	10	15	16	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°	694.6	694.6	694.6	694.6	694.6
2.5°	695.6	694.6	697.6	696.6	694.6
5°	693.7	694.6	694.6	695.6	696.6
7.5°	688.7	686.7	689.7	692.7	692.7
10°	682.7	680.7	682.7	684.7	682.7
12.5°	674.7	670.8	677.7	677.7	676.7
15°	663.8	662.8	667.8	669.8	665.8
17.5°	651.9	654.8	654.8	658.8	661.8
20°	640.9	638.9	643.9	646.9	649.9
22.5°	624.0	623.0	629.0	633.9	632.9
25°	607.1	607.1	615.0	621.0	618.0
27.5°	589.2	589.2	598.1	604.1	609.1
30°	571.2	573.2	580.2	588.2	592.1
32.5°	549.3	554.3	561.3	572.2	573.2
35°	529.4	532.4	544.4	552.3	556.3
37.5°	508.5	509.5	523.5	534.4	538.4
40°	485.7	487.6	504.6	514.5	520.5
42.5°	463.8	465.8	481.7	494.6	499.6
45°	438.9	443.9	458.8	472.7	479.7
47.5°	414.0	421.0	435.9	451.8	455.8
50°	388.1	395.1	413.0	425.9	434.9
52.5°	361.3	370.2	388.1	405.0	413.0
55°	335.4	345.3	365.2	382.2	389.1
57.5°	307.5	319.5	341.4	359.3	367.2
60°	281.6	291.6	315.5	334.4	343.3
62.5°	251.8	264.7	290.6	311.5	319.5
65°	223.9	240.8	266.7	286.6	295.6
67.5°	197.0	214.0	242.8	263.7	274.7
70°	168.2	187.1	217.9	241.8	253.8
72.5°	138.3	160.2	195.1	221.9	231.9
75°	112.5	136.3	172.2	201.0	212.0
77.5°	86.6	111.5	151.3	181.1	193.1
80°	60.7	88.6	132.4	163.2	174.2
82.5°	39.8	70.7	114.4	145.3	157.2
85°	20.9	53.7	98.5	130.4	141.3
87.5°	7.0	40.8	84.6	116.4	127.4
90°	1.0	31.8	72.6	102.5	114.4
92.5°	0.0	24.9	62.7	92.6	103.5
95°	0.0	19.9	54.7	82.6	92.6
97.5°	0.0	16.9	48.8	73.6	84.6
100°	0.0	14.9	42.8	66.7	75.6
102.5°	0.0	13.9	38.8	59.7	68.7
105°	0.0	12.9	34.8	54.7	62.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	10.0	27.9	42.8	48.8
115°	0.0	10.0	25.9	39.8	44.8
117.5°	0.0	9.0	24.9	36.8	41.8
120°	0.0	8.0	22.9	34.8	39.8
122.5°	0.0	8.0	20.9	32.8	36.8
125°	1.0	7.0	19.9	29.9	33.8
127.5°	1.0	7.0	18.9	27.9	31.8
130°	1.0	6.0	16.9	25.9	28.9
132.5°	1.0	6.0	15.9	23.9	26.9
135°	1.0	6.0	14.9	21.9	24.9
137.5°	1.0	5.0	12.9	19.9	22.9
140°	1.0	5.0	11.9	17.9	20.9
142.5°	1.0	5.0	10.9	15.9	18.9
145°	1.0	4.0	10.0	14.9	15.9
147.5°	1.0	4.0	9.0	12.9	14.9
150°	1.0	3.0	8.0	10.9	12.9
152.5°	1.0	3.0	7.0	10.0	10.9
155°	1.0	3.0	6.0	9.0	10.0
157.5°	1.0	3.0	5.0	8.0	8.0
160°	1.0	2.0	4.0	6.0	7.0
162.5°	1.0	2.0	4.0	5.0	6.0
165°	1.0	2.0	3.0	4.0	5.0
167.5°	1.0	1.0	2.0	3.0	4.0
170°	1.0	1.0	2.0	2.0	3.0
172.5°	1.0	1.0	1.0	1.0	2.0
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	11.9	32.8	49.8	57.7
110°	0.0	10.9	29.9	45.8	52.7



(END OF REPORT)