

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: P709832

Luminaire Tested: **2AWWS-L3C39-UNV-3500K-LOW**

Issue Date: 9/26/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P709832  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2307-090-10)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/26/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 2AWWS-L3C39-UNV-3500K-LOW  
Description: 2foot, Wide Adapt Surface Wrap with, RD lens and LOW lumen setting,  
3500K, 90CRI  
  
Light Source: -  
Ballast/Driver: -

**Summary**

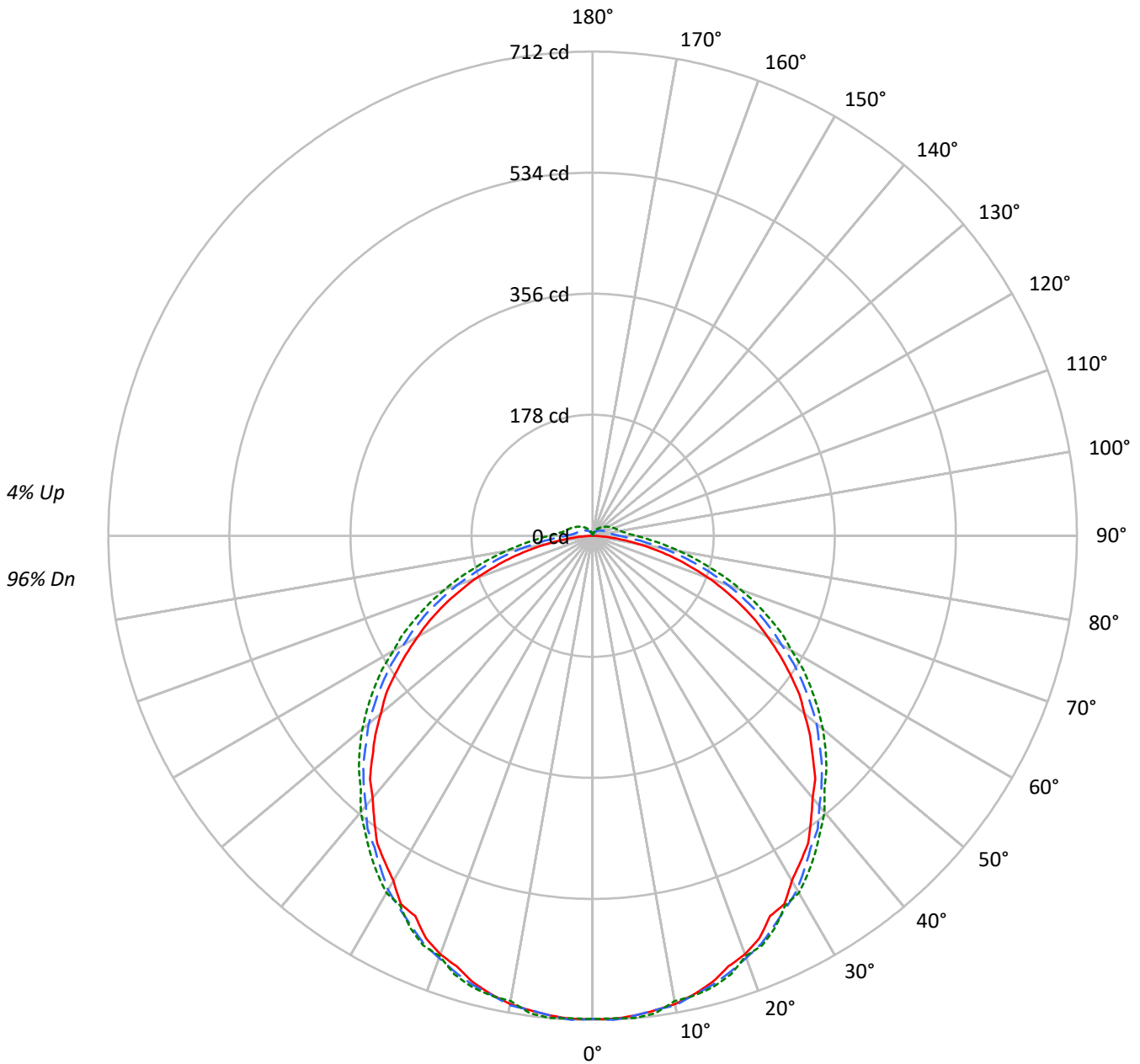
Lumens per Lamp: N/A  
Luminaire Lumens: 2191.0 lumens  
Efficiency: N/A  
Efficacy: 121.7 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.27 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 1.71' x H: 0.17')  
CIE Type: Direct

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									
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	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96																			
1	107	102	97	93	104	99	95	91	94	91	88	90	87	84	85	83	81	79																			
2	97	89	81	76	94	86	80	74	82	77	72	78	74	70	74	71	67	65																			
3	88	78	69	62	85	76	68	62	72	65	60	69	63	58	66	61	57	54																			
4	81	69	60	53	78	67	59	52	64	57	51	61	55	50	58	53	49	46																			
5	74	61	52	45	72	60	51	45	57	50	44	55	48	43	52	47	42	40																			
6	68	55	46	39	66	54	45	39	52	44	38	49	43	38	47	42	37	35																			
7	63	50	41	35	61	49	40	34	47	39	34	45	38	33	43	37	33	31																			
8	59	45	37	31	57	45	36	31	43	35	30	41	35	30	40	34	29	27																			
9	55	42	33	28	53	41	33	28	39	32	27	38	32	27	37	31	26	25																			
10	52	38	30	25	50	38	30	25	36	29	25	35	29	24	34	28	24	22																			

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

	0°	45°	90°
0°	5388	5388	5388
5°	5345	5292	5323
10°	5290	5202	5163
15°	5198	5073	5112
20°	5100	4944	4939
25°	4934	4806	4854
30°	4851	4684	4748
35°	4780	4500	4615
40°	4596	4350	4478
45°	4462	4208	4325
50°	4284	4034	4189
55°	4100	3812	4016
60°	3844	3543	3781
65°	3562	3298	3571
70°	3165	2949	3286
75°	2603	2524	2935
80°	1852	2060	2621
85°	872	1595	2339



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	67.4	3.1
10°-20°	192.7	8.8
20°-30°	290.8	13.3
30°-40°	350.9	16.0
40°-50°	365.7	16.7
50°-60°	335.2	15.3
60°-70°	262.9	12.0
70°-80°	162.5	7.4
80°-90°	68.9	3.1
90°-100°	30.2	1.4
100°-110°	21.4	1.0
110°-120°	16.1	0.7
120°-130°	11.5	0.5
130°-140°	7.6	0.3
140°-150°	4.5	0.2
150°-160°	2.1	0.1
160°-170°	0.7	0.0
170°-180°	0.1	0.0
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0°-30°	550.9	25.1
0°-40°	901.8	41.2
0°-60°	1602.6	73.1
0°-90°	2096.9	95.7
90°-120°	67.7	3.1
90°-150°	91.1	4.2
90°-180°	94.0	4.3
0°-180°	2191.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	710	710	710	710	710	
5°	708	710	708	708	712	67
15°	680	681	683	685	687	191
25°	617	628	632	633	636	287
35°	552	554	559	569	570	343
45°	457	463	477	484	486	353
55°	354	363	377	385	393	316
65°	241	250	269	279	286	238
75°	122	135	155	172	177	129
85°	21	38	63	82	90	27
90°	1	16	39	56	63	1
95°	0	11	28	43	49	0
105°	0	8	21	33	37	0
115°	0	6	17	26	30	0
125°	0	6	14	20	24	0
135°	0	4	11	15	18	0
145°	1	4	8	11	12	0
155°	1	2	5	7	8	0
165°	1	1	2	4	4	0
175°	1	1	1	1	1	0
180°	1	1	1	1	1	



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CATALOG NUMBER: 2AWWS-L3C39-UNV-3500K-LOW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	710.4	710.4	710.4	710.4	710.4
2.5°	711.1	713.9	712.5	711.1	710.4
5°	708.2	709.6	708.2	708.2	711.8
7.5°	703.9	706.1	703.2	707.5	708.2
10°	699.0	701.8	701.1	702.5	694.7
12.5°	690.4	694.0	691.1	694.7	692.5
15°	679.7	681.1	683.3	685.4	686.8
17.5°	664.0	670.5	672.6	674.7	676.2
20°	654.8	658.3	660.5	659.8	657.6
22.5°	640.5	642.7	649.1	647.7	651.9
25°	617.0	627.7	632.0	632.7	635.5
27.5°	610.6	611.3	616.3	620.6	612.7
30°	585.7	594.2	601.3	603.5	606.3
32.5°	568.6	575.7	580.0	587.8	589.2
35°	552.2	554.3	559.3	568.6	570.0
37.5°	527.2	533.7	543.6	548.6	549.3
40°	503.0	510.9	518.7	524.4	530.1
42.5°	484.5	488.8	498.0	505.2	504.4
45°	457.4	463.1	476.7	483.8	485.9
47.5°	433.2	441.7	451.7	462.4	464.5
50°	406.1	415.4	429.6	437.5	441.7
52.5°	383.3	389.0	403.3	411.1	417.5
55°	354.1	363.4	376.9	384.7	392.6
57.5°	325.6	337.0	350.5	363.4	367.6
60°	297.1	308.5	320.6	334.9	337.7
62.5°	270.0	282.1	295.0	309.2	314.9
65°	240.8	250.1	268.6	279.3	286.4
67.5°	210.2	221.6	239.4	251.5	260.1
70°	181.7	194.5	211.6	226.6	231.6
72.5°	150.3	166.0	182.4	198.1	205.2
75°	121.8	134.7	155.3	172.4	176.7
77.5°	94.8	106.9	129.0	146.1	152.5
80°	66.3	81.2	104.7	121.8	129.7
82.5°	42.0	57.7	81.9	100.5	109.0
85°	21.4	38.5	63.4	81.9	89.8
87.5°	7.1	24.2	48.4	67.7	75.5
90°	1.4	16.4	39.2	56.3	63.4
92.5°	0.0	12.1	32.8	48.4	54.9
95°	0.0	10.7	28.5	42.7	49.2
97.5°	0.0	10.0	26.4	39.2	44.2
100°	0.0	9.3	24.2	36.3	41.3
102.5°	0.0	8.5	22.8	34.2	39.2
105°	0.0	7.8	21.4	32.8	37.0



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CATALOG NUMBER: 2AWWS-L3C39-UNV-3500K-LOW

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	7.1	18.5	27.1	31.3
115°	0.0	6.4	17.1	26.4	29.9
117.5°	0.0	6.4	16.4	24.2	27.8
120°	0.0	5.7	15.0	22.8	26.4
122.5°	0.0	5.7	14.2	22.1	24.9
125°	0.0	5.7	13.5	19.9	23.5
127.5°	0.0	5.0	12.8	19.2	21.4
130°	0.0	5.0	12.1	17.8	19.9
132.5°	0.0	4.3	11.4	16.4	18.5
135°	0.0	4.3	10.7	15.0	17.8
137.5°	0.0	4.3	10.0	14.2	15.7
140°	0.0	3.6	9.3	12.8	15.0
142.5°	0.7	3.6	7.8	12.1	13.5
145°	0.7	3.6	7.8	10.7	12.1
147.5°	0.7	2.8	7.1	10.0	11.4
150°	0.7	2.8	6.4	8.5	10.0
152.5°	0.7	2.1	5.7	7.8	8.5
155°	0.7	2.1	5.0	7.1	7.8
157.5°	0.7	2.1	4.3	5.7	6.4
160°	0.7	1.4	3.6	5.0	5.7
162.5°	0.7	1.4	2.8	4.3	5.0
165°	0.7	1.4	2.1	3.6	3.6
167.5°	0.7	1.4	2.1	2.8	2.8
170°	0.7	0.7	1.4	2.1	2.1
172.5°	0.7	0.7	1.4	1.4	1.4
175°	0.7	0.7	0.7	0.7	1.4
177.5°	0.7	0.7	0.7	0.7	0.7
180°	0.7	0.7	0.7	0.7	0.7



Report Generated By 670246072 / DESKTOP-MV3F9LC







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







107.5°	0.0	7.8	20.7	30.6	34.9
110°	0.0	7.1	19.2	29.2	33.5



(END OF REPORT)