

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: P709826

Luminaire Tested: **2AWWS-L3C3-SQR-UNV-4000K-LOW**

Issue Date: 9/26/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P709826  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2307-090-7)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/26/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 2AWWS-L3C3-SQR-UNV-4000K-LOW  
Description: 2foot, Wide Adapt Surface Wrap with, SQR lens and LOW lumen setting,  
4000K, 80CRI  
  
Light Source: -  
Ballast/Driver: -

**Summary**

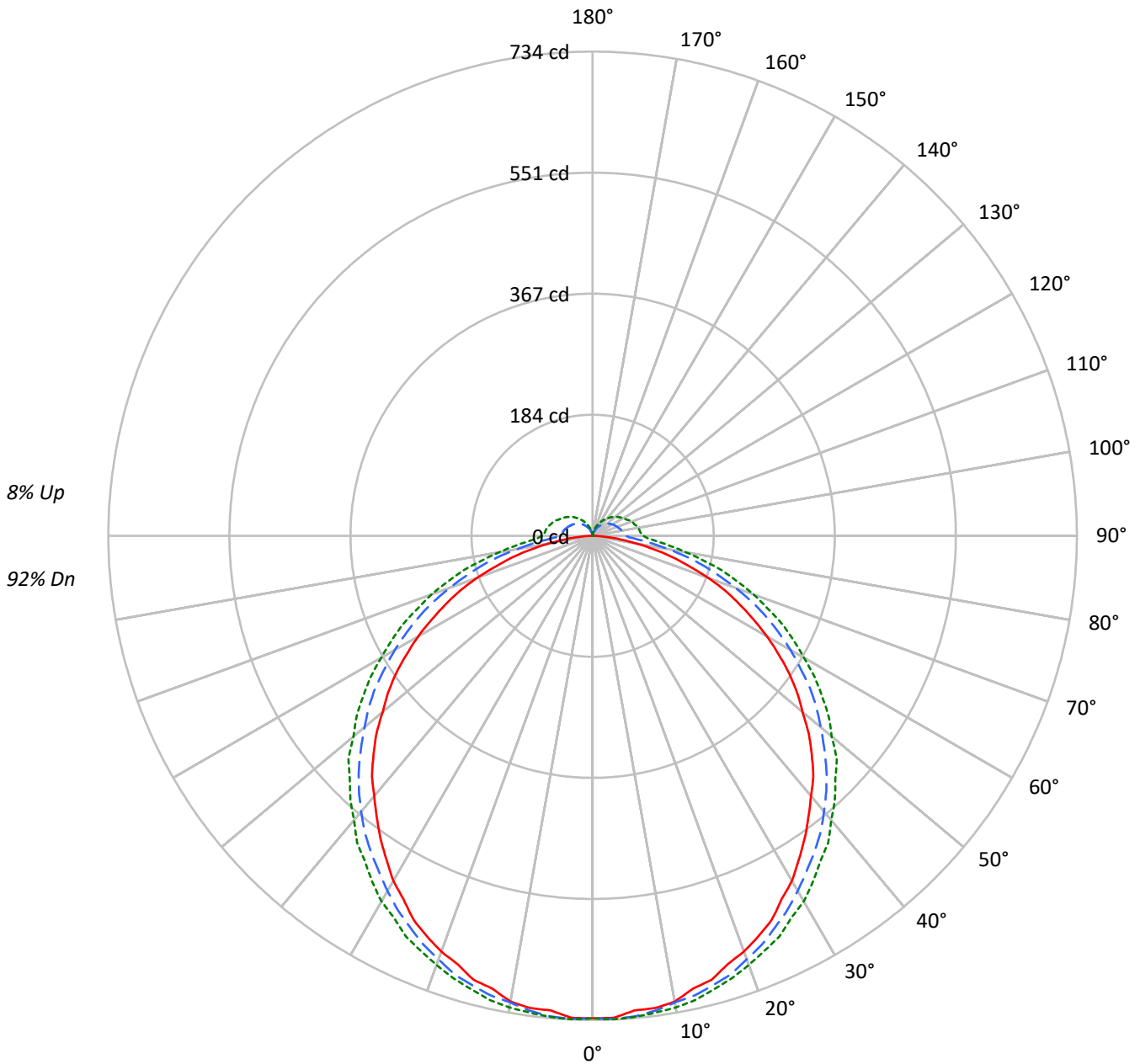
Lumens per Lamp: N/A  
Luminaire Lumens: 2397.0 lumens  
Efficiency: N/A  
Efficacy: 133.2 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.39  
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 1.71' x H: 0.17')  
CIE Type: Direct

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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	92																			
1	106	101	97	92	103	98	94	90	92	89	86	87	85	82	82	80	78	76																			
2	96	88	81	75	93	85	79	73	80	75	70	76	71	68	72	68	65	62																			
3	88	77	68	62	84	75	67	61	70	64	59	67	61	57	63	59	55	52																			
4	80	68	59	52	77	66	58	51	62	55	50	59	53	48	56	51	47	44																			
5	73	60	51	44	71	59	50	44	56	48	43	53	47	42	50	45	40	38																			
6	68	54	45	39	65	53	44	38	50	43	37	48	41	36	46	40	35	33																			
7	63	49	40	34	61	48	40	34	46	38	33	44	37	32	42	36	31	29																			
8	58	45	36	30	56	44	36	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	30	25	23																			
10	51	38	30	25	49	37	29	24	35	29	24	34	28	23	33	27	23	21																			

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

	0°	45°	90°
0°	5548	5548	5548
5°	5451	5466	5476
10°	5426	5330	5397
15°	5330	5237	5296
20°	5225	5113	5200
25°	5137	4979	5119
30°	5003	4843	5013
35°	4850	4712	4873
40°	4706	4576	4753
45°	4582	4424	4633
50°	4380	4238	4484
55°	4212	4068	4343
60°	3953	3826	4143
65°	3633	3562	3953
70°	3234	3210	3681
75°	2674	2807	3365
80°	1866	2280	2899
85°	937	1776	2558



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	69.3	2.9
10°-20°	199.0	8.3
20°-30°	302.4	12.6
30°-40°	366.3	15.3
40°-50°	385.1	16.1
50°-60°	356.0	14.9
60°-70°	283.3	11.8
70°-80°	178.3	7.4
80°-90°	77.3	3.2
90°-100°	45.8	1.9
100°-110°	40.3	1.7
110°-120°	33.3	1.4
120°-130°	25.5	1.1
130°-140°	17.8	0.7
140°-150°	10.6	0.4
150°-160°	4.9	0.2
160°-170°	1.5	0.1
170°-180°	0.1	0.0
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0°-30°	570.7	23.8
0°-40°	937.0	39.1
0°-60°	1678.1	70.0
0°-90°	2217.1	92.5
90°-120°	119.5	5.0
90°-150°	173.4	7.2
90°-180°	180.0	7.5
0°-180°	2397.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	732	732	732	732	732	
5°	722	728	732	731	732	69
15°	697	696	705	710	712	196
25°	642	646	655	667	670	295
35°	560	572	586	600	602	351
45°	470	484	501	516	520	362
55°	364	382	402	420	424	324
65°	246	266	290	309	317	243
75°	125	148	173	193	203	132
85°	23	44	71	91	98	28
90°	1	22	49	68	76	1
95°	0	20	46	65	72	0
105°	0	18	42	59	66	0
115°	0	16	37	52	58	0
125°	1	13	32	44	49	0
135°	1	11	25	35	40	1
145°	0	7	18	26	29	0
155°	1	4	12	17	19	0
165°	1	2	5	8	9	0
175°	1	1	1	2	2	0
180°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	731.5	731.5	731.5	731.5	731.5
2.5°	731.5	726.1	733.0	732.2	733.8
5°	722.3	728.4	731.5	730.7	732.2
7.5°	722.3	722.3	726.1	728.4	729.2
10°	716.9	720.0	718.4	722.3	726.1
12.5°	703.1	711.5	713.8	722.3	720.7
15°	696.9	696.2	705.4	710.0	711.5
17.5°	680.8	686.9	696.9	701.5	703.1
20°	670.8	677.0	683.1	693.1	692.3
22.5°	657.0	662.4	670.8	680.0	680.8
25°	642.4	645.5	654.7	667.0	670.1
27.5°	620.9	630.9	639.4	655.5	652.4
30°	604.1	611.0	621.7	637.1	640.1
32.5°	581.8	595.6	603.3	617.1	621.7
35°	560.3	571.8	585.6	600.2	601.8
37.5°	537.3	553.4	567.2	582.6	586.4
40°	515.0	528.8	545.7	559.5	562.6
42.5°	495.1	508.1	524.2	541.9	543.4
45°	469.7	483.6	501.2	515.8	520.4
47.5°	444.4	460.5	475.9	493.5	502.0
50°	415.2	433.7	451.3	469.0	472.8
52.5°	390.7	406.0	427.5	445.2	451.3
55°	363.8	381.5	402.2	419.8	424.5
57.5°	333.9	350.8	373.0	392.2	399.1
60°	305.5	323.9	346.2	365.3	370.0
62.5°	274.8	295.5	317.8	337.7	343.1
65°	245.6	266.3	290.1	309.3	317.0
67.5°	217.2	237.2	261.0	280.2	286.3
70°	185.7	205.7	230.3	251.8	259.4
72.5°	153.5	175.0	200.3	223.4	229.5
75°	125.1	148.1	172.7	192.7	202.6
77.5°	95.9	115.9	144.3	163.5	171.2
80°	66.8	89.8	115.9	137.4	143.5
82.5°	43.0	65.2	92.1	111.3	119.0
85°	23.0	43.7	70.6	90.6	98.2
87.5°	7.7	29.2	56.0	75.2	83.7
90°	0.8	22.3	49.1	68.3	76.0
92.5°	0.0	20.7	46.8	65.2	73.7
95°	0.0	20.0	46.1	65.2	72.1
97.5°	0.0	20.0	45.3	64.5	71.4
100°	0.0	19.2	44.5	62.2	69.8
102.5°	0.0	18.4	43.7	61.4	68.3
105°	0.0	18.4	42.2	59.1	66.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	16.1	38.4	54.5	60.6
115°	0.0	16.1	36.8	52.2	57.6
117.5°	0.0	15.4	36.1	50.7	55.3
120°	0.0	14.6	34.5	48.4	53.7
122.5°	0.0	13.8	33.0	46.1	51.4
125°	0.8	13.0	31.5	44.5	49.1
127.5°	0.8	12.3	29.9	42.2	46.8
130°	0.8	12.3	28.4	39.9	44.5
132.5°	0.8	11.5	26.9	37.6	42.2
135°	0.8	10.7	25.3	35.3	39.9
137.5°	0.8	10.0	23.8	33.8	36.8
140°	0.0	9.2	22.3	30.7	34.5
142.5°	0.8	7.7	20.0	29.2	31.5
145°	0.0	6.9	18.4	26.1	29.2
147.5°	0.8	6.1	16.9	23.8	26.9
150°	0.8	5.4	15.4	21.5	24.6
152.5°	0.8	4.6	13.0	19.2	21.5
155°	0.8	3.8	11.5	16.9	19.2
157.5°	0.8	3.1	9.2	14.6	16.1
160°	0.8	3.1	7.7	12.3	13.8
162.5°	0.8	2.3	6.1	10.0	11.5
165°	0.8	1.5	4.6	7.7	9.2
167.5°	0.8	1.5	3.1	6.1	6.9
170°	0.8	1.5	2.3	3.8	4.6
172.5°	0.8	0.8	1.5	2.3	3.1
175°	0.8	0.8	0.8	1.5	1.5
177.5°	0.8	0.8	0.8	0.8	0.8
180°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC







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







107.5°	0.0	17.7	40.7	56.8	64.5
110°	0.0	16.9	39.9	55.3	62.2



(END OF REPORT)