

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: P709677

Luminaire Tested: **2AWS-L3C3-SQR-UNV-5000K-MID**

Issue Date: 9/26/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P709677  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2307-090-1)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/26/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 2AWS-L3C3-SQR-UNV-5000K-MID  
Description: 2foot, Adapt Surface Wrap with, SQR lens and MID lumen setting, 5000K, 80CRI  
  
Light Source: -  
Ballast/Driver: -

**Summary**

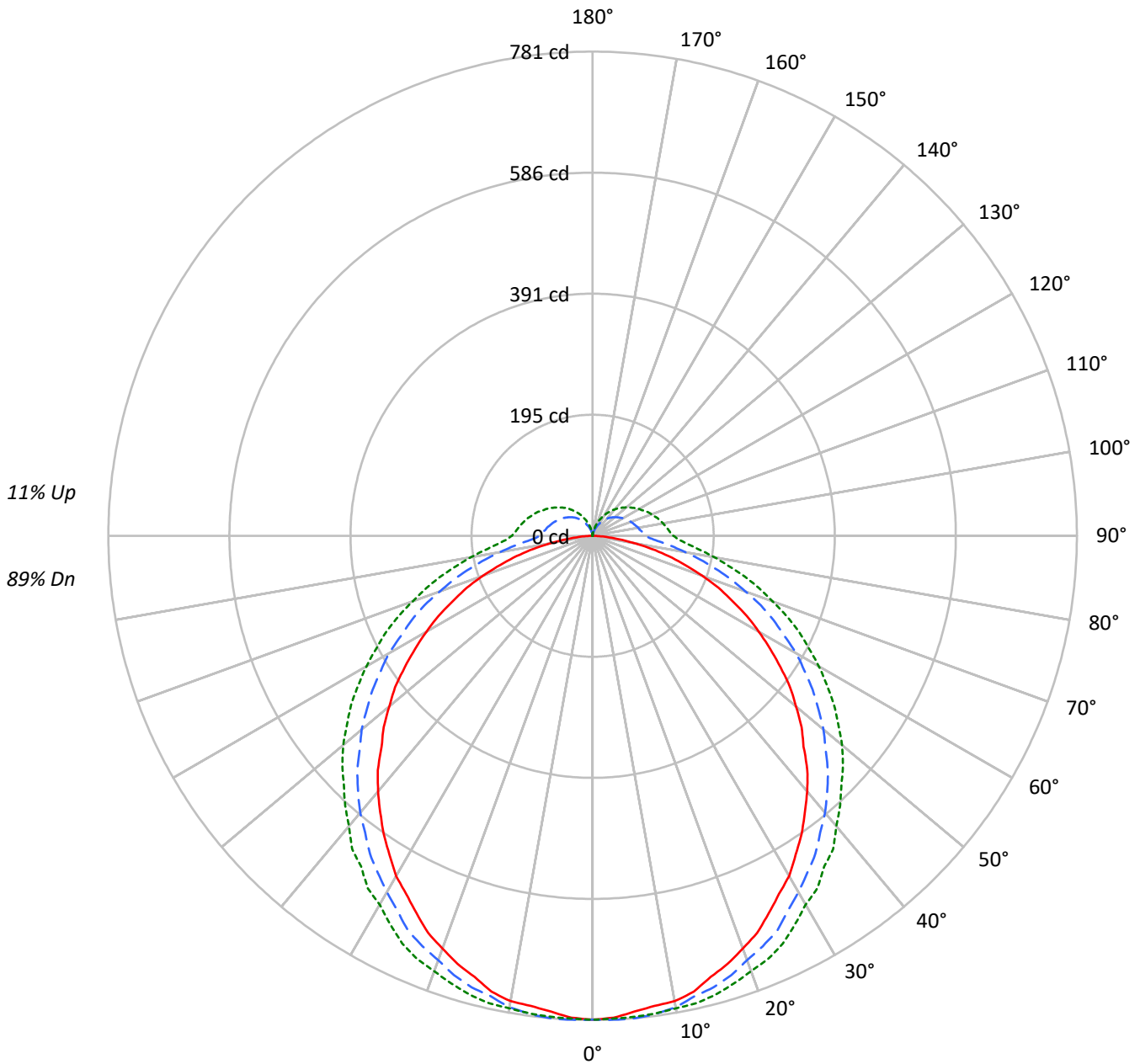
Lumens per Lamp: N/A  
Luminaire Lumens: 2724.0 lumens  
Efficiency: N/A  
Efficacy: 123.8 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.31 / 1.4  
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 1.71' x H: 0.12')  
CIE Type: Semi-Direct

Input Watts (W): 22  
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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89																			
1	105	100	95	91	101	96	92	88	90	87	83	84	82	79	79	77	75	72																			
2	95	86	79	73	91	83	77	71	78	73	68	73	69	65	69	65	62	59																			
3	86	75	67	60	83	73	65	59	68	62	56	64	59	54	60	56	52	49																			
4	79	67	57	51	76	64	56	50	61	53	48	57	51	46	54	48	44	42																			
5	72	59	50	43	69	57	49	43	54	47	41	51	45	40	48	43	38	36																			
6	67	53	44	38	64	52	43	37	49	41	36	46	40	35	43	38	34	31																			
7	62	48	39	33	59	47	38	33	44	37	32	42	35	31	40	34	30	27																			
8	57	44	35	29	55	43	35	29	40	33	28	38	32	27	36	31	27	24																			
9	54	40	32	26	52	39	31	26	37	30	25	35	29	25	34	28	24	22																			
10	50	37	29	24	48	36	29	23	34	28	23	33	27	22	31	26	22	20																			

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

	0°	45°	90°
0°	10680	10680	10680
5°	10521	10518	10461
10°	10463	10305	10281
15°	10243	10051	10148
20°	10059	9773	9940
25°	9823	9575	9770
30°	9623	9237	9432
35°	9351	8989	9197
40°	9081	8706	8959
45°	8700	8416	8709
50°	8408	8091	8528
55°	8021	7742	8262
60°	7550	7382	7944
65°	6980	6937	7631
70°	6289	6382	7192
75°	5317	5782	6799
80°	3833	5112	6328
85°	1952	4605	6084



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	74.1	2.7
10°-20°	212.4	7.8
20°-30°	322.1	11.8
30°-40°	389.8	14.3
40°-50°	410.4	15.1
50°-60°	382.3	14.0
60°-70°	311.8	11.4
70°-80°	210.2	7.7
80°-90°	113.0	4.1
90°-100°	78.3	2.9
100°-110°	67.0	2.5
110°-120°	54.7	2.0
120°-130°	41.6	1.5
130°-140°	28.8	1.1
140°-150°	17.2	0.6
150°-160°	8.0	0.3
160°-170°	2.4	0.1
170°-180°	0.2	0.0
0°-30°	608.5	22.3
0°-40°	998.3	36.6
0°-60°	1790.9	65.7
0°-90°	2425.9	89.1
90°-120°	200.0	7.3
90°-150°	287.5	10.6
90°-180°	298.0	10.9
0°-180°	2724.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	780	780	780	780	780	
5°	771	779	781	781	779	73
15°	737	745	754	761	766	208
25°	672	685	703	710	726	310
35°	587	601	626	644	651	367
45°	481	504	537	560	567	373
55°	370	396	433	460	475	331
65°	248	279	322	353	368	247
75°	127	160	205	238	254	134
85°	22	61	108	142	154	28
90°	1	39	85	118	130	1
95°	0	36	80	110	122	0
105°	0	32	70	98	109	0
115°	1	27	61	85	94	1
125°	1	22	51	71	79	1
135°	1	17	42	57	64	1
145°	2	12	30	42	47	1
155°	2	7	17	27	30	1
165°	2	3	8	12	14	0
175°	2	2	2	2	2	0
180°	1	1	1	1	1	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	780.5	780.5	780.5	780.5	780.5
2.5°	778.1	778.9	781.4	783.9	779.7
5°	770.6	778.9	781.4	781.4	778.9
7.5°	764.8	772.2	778.1	776.4	777.2
10°	762.3	766.4	772.2	776.4	773.9
12.5°	753.2	755.7	760.6	767.3	772.2
15°	736.6	744.9	754.0	760.6	766.4
17.5°	724.1	731.6	743.2	749.0	757.3
20°	708.4	716.7	728.3	740.7	747.4
22.5°	693.4	700.9	716.7	725.0	739.1
25°	671.9	685.1	703.4	710.0	725.8
27.5°	651.1	666.1	681.8	700.1	706.7
30°	633.7	644.5	663.6	679.3	686.8
32.5°	609.7	624.6	644.5	663.6	674.4
35°	587.3	601.4	626.3	644.5	651.1
37.5°	562.4	578.1	603.0	624.6	637.0
40°	538.3	555.8	583.1	603.9	611.3
42.5°	512.6	530.9	559.9	584.0	590.6
45°	481.1	504.3	536.7	559.9	567.4
47.5°	457.0	478.6	509.3	536.7	547.5
50°	428.0	452.1	486.1	511.0	525.1
52.5°	401.5	423.9	458.7	482.8	499.3
55°	369.9	396.5	433.0	460.4	475.3
57.5°	339.3	366.6	404.8	433.0	447.9
60°	309.4	337.6	379.1	407.3	421.4
62.5°	280.4	310.2	347.6	381.6	393.2
65°	248.0	278.7	321.8	353.4	367.5
67.5°	219.8	247.2	293.6	322.7	338.4
70°	187.5	219.8	262.1	295.3	308.6
72.5°	155.9	190.0	233.9	267.9	281.2
75°	126.9	160.1	204.9	238.1	253.8
77.5°	97.9	131.9	177.5	211.5	224.8
80°	68.0	105.3	151.0	185.0	199.1
82.5°	43.1	81.3	128.6	160.9	174.2
85°	22.4	61.4	107.8	141.8	154.3
87.5°	7.5	46.5	92.9	126.1	138.5
90°	0.8	39.0	84.6	117.8	130.2
92.5°	0.0	37.3	82.1	113.6	125.3
95°	0.0	35.7	79.6	110.3	121.9
97.5°	0.0	34.8	76.3	107.0	118.6
100°	0.0	33.2	74.7	104.5	115.3
102.5°	0.0	32.3	72.2	101.2	112.0
105°	0.0	31.5	69.7	97.9	108.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.8	28.2	63.0	88.8	97.9
115°	0.8	27.4	60.6	84.6	93.7
117.5°	0.8	25.7	58.9	81.3	89.6
120°	0.8	24.9	56.4	78.8	86.3
122.5°	0.8	24.1	53.9	74.7	82.9
125°	0.8	22.4	51.4	71.3	78.8
127.5°	0.8	20.7	48.9	68.0	74.7
130°	0.8	19.9	46.5	63.9	71.3
132.5°	0.8	18.2	44.0	61.4	67.2
135°	0.8	17.4	41.5	57.2	63.9
137.5°	0.8	15.8	39.0	53.9	59.7
140°	0.8	14.1	35.7	50.6	55.6
142.5°	0.8	13.3	33.2	46.5	51.4
145°	1.7	11.6	29.9	42.3	47.3
147.5°	1.7	10.8	26.5	39.0	43.1
150°	1.7	9.1	23.2	34.8	39.0
152.5°	1.7	8.3	20.7	30.7	34.8
155°	1.7	6.6	17.4	27.4	29.9
157.5°	1.7	5.8	14.9	23.2	26.5
160°	1.7	5.0	12.4	19.9	22.4
162.5°	1.7	4.1	10.0	15.8	18.2
165°	1.7	3.3	7.5	11.6	14.1
167.5°	1.7	2.5	5.8	8.3	10.8
170°	1.7	2.5	4.1	5.8	8.3
172.5°	1.7	1.7	2.5	3.3	5.0
175°	1.7	1.7	1.7	1.7	1.7
177.5°	1.7	1.7	0.8	0.8	0.0
180°	0.8	0.8	0.8	0.8	0.8



Report Generated By 670246072 / DESKTOP-MV3F9LC







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







107.5°	0.0	29.9	68.0	94.6	104.5
110°	0.8	29.0	65.5	91.2	101.2



(END OF REPORT)