

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: P709827

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

Issue Date: 9/26/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P709827  
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-MID  
Description: 2foot, Wide Adapt Surface Wrap with, SQR lens and MID lumen setting, 4000K, 80CRI  
  
Light Source: -  
Ballast/Driver: -

**Summary**

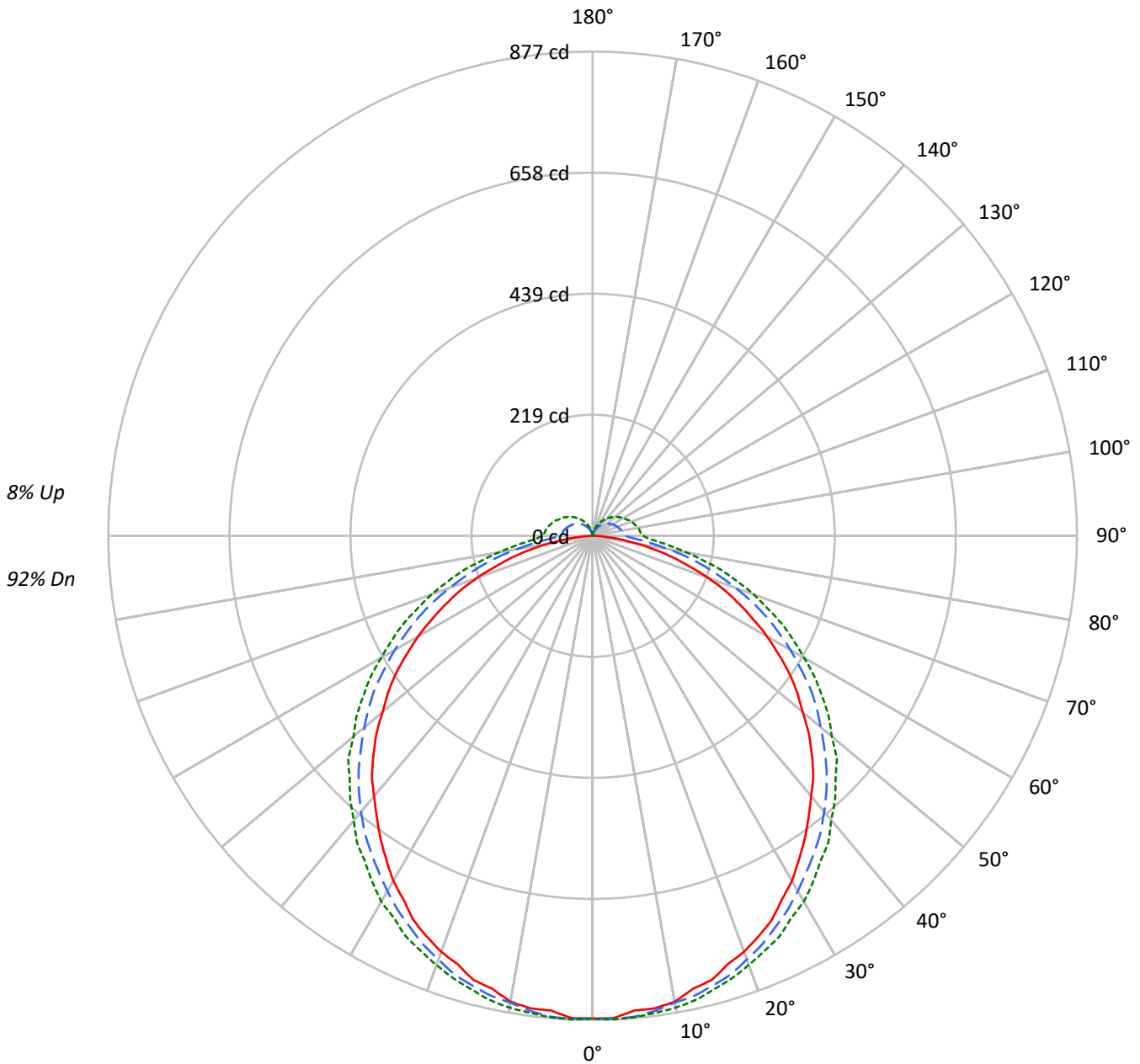
Lumens per Lamp: N/A  
Luminaire Lumens: 2865.0 lumens  
Efficiency: N/A  
Efficacy: 136.4 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.39  
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 1.71' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 21  
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	95	95	95	95	95	95	92
1	106	101	97	92	103	98	94	90	92	89	86	87	85	82	82	80	78	82	80	78	76
2	96	88	81	75	93	85	79	73	80	75	70	76	71	68	72	68	65	72	68	65	62
3	88	77	68	62	84	75	67	61	70	64	59	67	61	57	63	59	55	63	59	55	52
4	80	68	59	52	77	66	58	51	62	55	50	59	53	48	56	51	47	56	51	47	44
5	73	60	51	44	71	59	50	44	56	48	43	53	47	42	50	45	40	50	45	40	38
6	68	54	45	39	65	53	44	38	50	43	37	48	41	36	46	40	35	46	40	35	33
7	63	49	40	34	61	48	40	34	46	38	33	44	37	32	42	36	31	42	36	31	29
8	58	45	36	30	56	44	36	30	42	34	29	40	33	29	38	32	28	38	32	28	26
9	54	41	33	27	53	40	32	27	38	31	26	37	30	26	35	30	25	35	30	25	23
10	51	38	30	25	49	37	29	24	35	29	24	34	28	23	33	27	23	33	27	23	21

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

	0°	45°	90°
0°	6631	6631	6631
5°	6516	6533	6546
10°	6485	6371	6451
15°	6371	6259	6330
20°	6245	6111	6215
25°	6141	5951	6118
30°	5979	5789	5992
35°	5797	5632	5823
40°	5625	5470	5681
45°	5477	5288	5537
50°	5235	5065	5359
55°	5034	4862	5190
60°	4724	4572	4951
65°	4343	4259	4724
70°	3867	3835	4400
75°	3195	3355	4022
80°	2229	2725	3467
85°	1120	2123	3058



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	82.9	2.9
10°-20°	237.8	8.3
20°-30°	361.4	12.6
30°-40°	437.8	15.3
40°-50°	460.3	16.1
50°-60°	425.5	14.9
60°-70°	338.7	11.8
70°-80°	213.2	7.4
80°-90°	92.4	3.2
90°-100°	54.8	1.9
100°-110°	48.2	1.7
110°-120°	39.8	1.4
120°-130°	30.5	1.1
130°-140°	21.3	0.7
140°-150°	12.6	0.4
150°-160°	5.9	0.2
160°-170°	1.7	0.1
170°-180°	0.2	0.0
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0°-30°	682.1	23.8
0°-40°	1119.9	39.1
0°-60°	2005.8	70.0
0°-90°	2649.9	92.5
90°-120°	142.8	5.0
90°-150°	207.2	7.2
90°-180°	215.0	7.5
0°-180°	2865.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	874	874	874	874	874	
5°	863	871	874	873	875	82
15°	833	832	843	849	850	234
25°	768	772	782	797	801	353
35°	670	684	700	717	719	419
45°	561	578	599	616	622	432
55°	435	456	481	502	507	387
65°	294	318	347	370	379	291
75°	150	177	206	230	242	158
85°	28	52	84	108	117	34
90°	1	27	59	82	91	2
95°	0	24	55	78	86	0
105°	0	22	50	71	79	0
115°	0	19	44	62	69	0
125°	1	16	38	53	59	0
135°	1	13	30	42	48	1
145°	0	8	22	31	35	0
155°	1	5	14	20	23	0
165°	1	2	6	9	11	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°	874.3	874.3	874.3	874.3	874.3
2.5°	874.3	867.9	876.1	875.2	877.0
5°	863.3	870.6	874.3	873.4	875.2
7.5°	863.3	863.3	867.9	870.6	871.5
10°	856.9	860.5	858.7	863.3	867.9
12.5°	840.3	850.4	853.2	863.3	861.4
15°	833.0	832.1	843.1	848.6	850.4
17.5°	813.7	821.1	833.0	838.5	840.3
20°	801.8	809.1	816.5	828.4	827.5
22.5°	785.3	791.7	801.8	812.8	813.7
25°	767.9	771.5	782.5	797.2	800.9
27.5°	742.2	754.1	764.2	783.5	779.8
30°	722.0	730.3	743.1	761.4	765.1
32.5°	695.4	711.9	721.1	737.6	743.1
35°	669.7	683.5	700.0	717.4	719.2
37.5°	642.2	661.4	678.0	696.3	700.9
40°	615.6	632.1	652.3	668.8	672.5
42.5°	591.7	607.3	626.6	647.7	649.5
45°	561.4	578.0	599.1	616.5	622.0
47.5°	531.2	550.4	568.8	589.9	600.0
50°	496.3	518.3	539.4	560.5	565.1
52.5°	467.0	485.3	511.0	532.1	539.4
55°	434.8	455.9	480.7	501.8	507.3
57.5°	399.1	419.3	445.9	468.8	477.0
60°	365.1	387.1	413.7	436.7	442.2
62.5°	328.4	353.2	379.8	403.7	410.1
65°	293.6	318.3	346.8	369.7	378.9
67.5°	259.6	283.5	311.9	334.9	342.2
70°	222.0	245.9	275.2	300.9	310.1
72.5°	183.5	209.2	239.4	267.0	274.3
75°	149.5	177.1	206.4	230.3	242.2
77.5°	114.7	138.5	172.5	195.4	204.6
80°	79.8	107.3	138.5	164.2	171.6
82.5°	51.4	78.0	110.1	133.0	142.2
85°	27.5	52.3	84.4	108.3	117.4
87.5°	9.2	34.9	67.0	89.9	100.0
90°	0.9	26.6	58.7	81.6	90.8
92.5°	0.0	24.8	56.0	78.0	88.1
95°	0.0	23.9	55.0	78.0	86.2
97.5°	0.0	23.9	54.1	77.1	85.3
100°	0.0	22.9	53.2	74.3	83.5
102.5°	0.0	22.0	52.3	73.4	81.6
105°	0.0	22.0	50.5	70.6	78.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	19.3	45.9	65.1	72.5
115°	0.0	19.3	44.0	62.4	68.8
117.5°	0.0	18.3	43.1	60.5	66.1
120°	0.0	17.4	41.3	57.8	64.2
122.5°	0.0	16.5	39.4	55.0	61.5
125°	0.9	15.6	37.6	53.2	58.7
127.5°	0.9	14.7	35.8	50.5	56.0
130°	0.9	14.7	33.9	47.7	53.2
132.5°	0.9	13.8	32.1	45.0	50.5
135°	0.9	12.8	30.3	42.2	47.7
137.5°	0.9	11.9	28.4	40.4	44.0
140°	0.0	11.0	26.6	36.7	41.3
142.5°	0.9	9.2	23.9	34.9	37.6
145°	0.0	8.3	22.0	31.2	34.9
147.5°	0.9	7.3	20.2	28.4	32.1
150°	0.9	6.4	18.3	25.7	29.4
152.5°	0.9	5.5	15.6	22.9	25.7
155°	0.9	4.6	13.8	20.2	22.9
157.5°	0.9	3.7	11.0	17.4	19.3
160°	0.9	3.7	9.2	14.7	16.5
162.5°	0.9	2.8	7.3	11.9	13.8
165°	0.9	1.8	5.5	9.2	11.0
167.5°	0.9	1.8	3.7	7.3	8.3
170°	0.9	1.8	2.8	4.6	5.5
172.5°	0.9	0.9	1.8	2.8	3.7
175°	0.9	0.9	0.9	1.8	1.8
177.5°	0.9	0.9	0.9	0.9	0.9
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	21.1	48.6	67.9	77.1
110°	0.0	20.2	47.7	66.1	74.3



(END OF REPORT)