

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: P709824

Luminaire Tested: **2AWWS-L3C3-SQR-UNV-3500K-MID**

Issue Date: 9/26/2023



Test Information

Test Method: LM-79-08
Report Number: P709824
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-3500K-MID
Description: 2foot, Wide Adapt Surface Wrap with, SQR lens and MID lumen setting, 3500K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

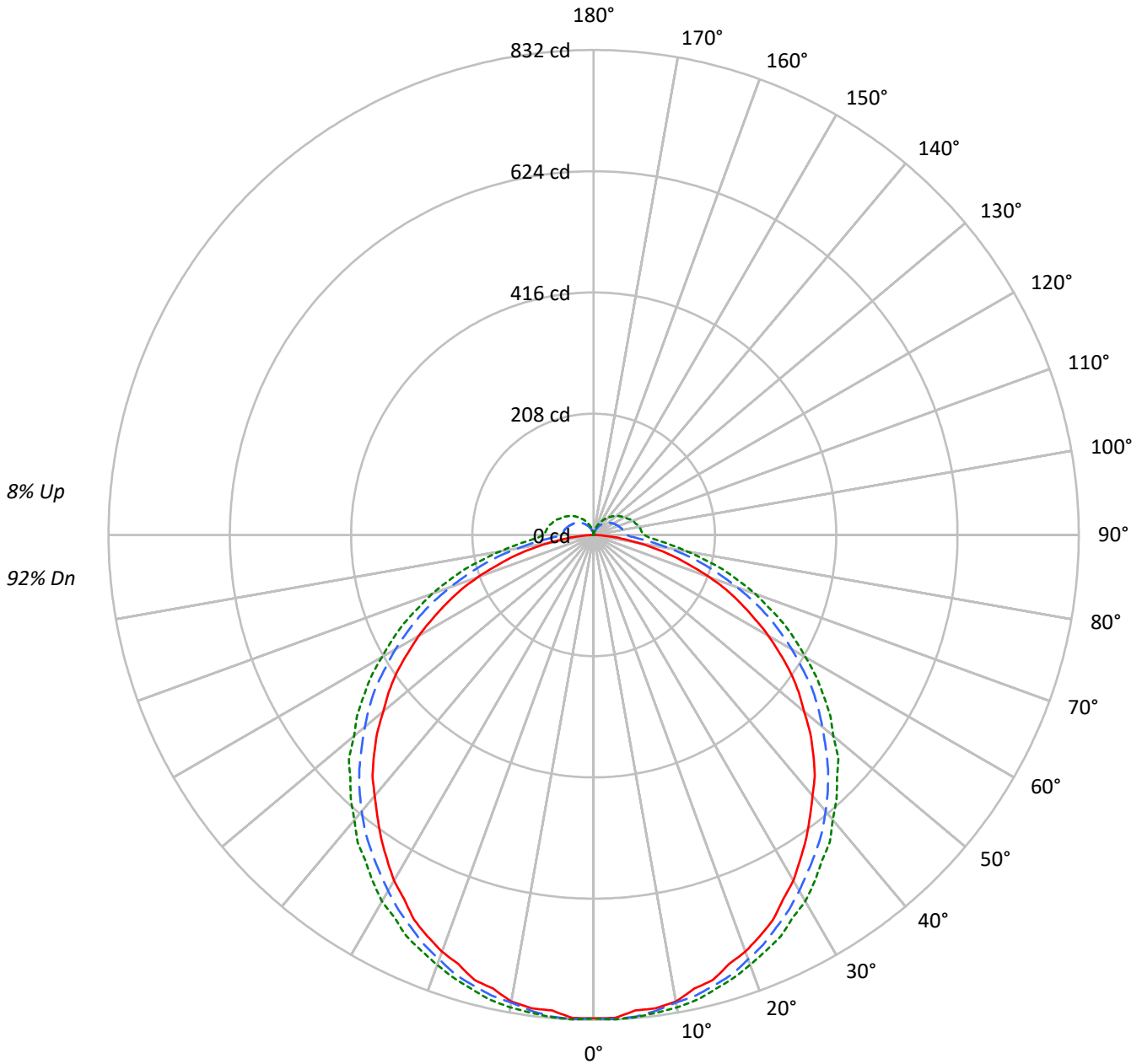
Lumens per Lamp: N/A
Luminaire Lumens: 2718.0 lumens
Efficiency: N/A
Efficacy: 123.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 1.71' x H: 0.17')
CIE Type: Direct

Input Watts (W): 22
Input Voltage (V): NR
Input Current (A_{in}): 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°	6290	6290	6290
5°	6181	6198	6210
10°	6152	6044	6119
15°	6044	5937	6005
20°	5925	5798	5896
25°	5826	5646	5804
30°	5672	5492	5685
35°	5499	5344	5525
40°	5337	5189	5390
45°	5196	5016	5253
50°	4966	4806	5084
55°	4776	4613	4924
60°	4482	4337	4697
65°	4119	4040	4481
70°	3668	3639	4174
75°	3033	3182	3816
80°	2114	2585	3289
85°	1063	2015	2901



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.6	2.9
10°-20°	225.6	8.3
20°-30°	342.9	12.6
30°-40°	415.4	15.3
40°-50°	436.7	16.1
50°-60°	403.7	14.9
60°-70°	321.3	11.8
70°-80°	202.2	7.4
80°-90°	87.6	3.2
90°-100°	51.9	1.9
100°-110°	45.7	1.7
110°-120°	37.8	1.4
120°-130°	29.0	1.1
130°-140°	20.2	0.7
140°-150°	12.0	0.4
150°-160°	5.6	0.2
160°-170°	1.7	0.1
170°-180°	0.2	0.0
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0°-30°	647.1	23.8
0°-40°	1062.5	39.1
0°-60°	1902.9	70.0
0°-90°	2514.0	92.5
90°-120°	135.5	5.0
90°-150°	196.6	7.2
90°-180°	204.0	7.5
0°-180°	2718.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	829	829	829	829	829	
5°	819	826	829	829	830	78
15°	790	789	800	805	807	222
25°	728	732	742	756	760	335
35°	635	648	664	681	682	397
45°	533	548	568	585	590	410
55°	412	433	456	476	481	367
65°	278	302	329	351	359	276
75°	142	168	196	218	230	150
85°	26	50	80	103	111	32
90°	1	25	56	78	86	1
95°	0	23	52	74	82	0
105°	0	21	48	67	75	0
115°	0	18	42	59	65	0
125°	1	15	36	50	56	0
135°	1	12	29	40	45	1
145°	0	8	21	30	33	0
155°	1	4	13	19	22	0
165°	1	2	5	9	10	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°	829.4	829.4	829.4	829.4	<i>829.4</i>
2.5°	<i>829.4</i>	<i>823.3</i>	<i>831.2</i>	<i>830.3</i>	<i>832.0</i>
5°	819.0	825.9	829.4	828.6	<i>830.3</i>
7.5°	819.0	819.0	823.3	825.9	<i>826.8</i>
10°	812.9	816.4	814.6	819.0	<i>823.3</i>
12.5°	797.2	806.8	809.4	819.0	<i>817.2</i>
15°	790.3	789.4	799.8	805.1	<i>806.8</i>
17.5°	772.0	778.9	790.3	795.5	<i>797.2</i>
20°	760.7	767.6	774.6	785.9	<i>785.0</i>
22.5°	745.0	751.1	760.7	771.1	<i>772.0</i>
25°	728.5	731.9	742.4	756.3	<i>759.8</i>
27.5°	704.1	715.4	725.0	743.3	<i>739.8</i>
30°	684.9	692.8	705.0	722.4	<i>725.9</i>
32.5°	659.7	675.4	684.1	699.7	<i>705.0</i>
35°	635.3	648.4	664.1	680.6	<i>682.3</i>
37.5°	609.2	627.5	643.2	660.6	<i>664.9</i>
40°	584.0	599.7	618.8	634.5	<i>638.0</i>
42.5°	561.4	576.2	594.4	614.5	<i>616.2</i>
45°	532.6	548.3	568.3	584.9	<i>590.1</i>
47.5°	503.9	522.2	539.6	559.6	<i>569.2</i>
50°	470.8	491.7	511.8	531.8	<i>536.1</i>
52.5°	443.0	460.4	484.8	504.8	<i>511.8</i>
55°	412.5	432.6	456.1	476.1	<i>481.3</i>
57.5°	378.6	397.7	423.0	444.7	<i>452.6</i>
60°	346.4	367.3	392.5	414.3	<i>419.5</i>
62.5°	311.6	335.1	360.3	382.9	<i>389.0</i>
65°	278.5	302.0	329.0	350.7	<i>359.4</i>
67.5°	246.3	268.9	295.9	317.7	<i>324.6</i>
70°	210.6	233.2	261.1	285.5	<i>294.2</i>
72.5°	174.1	198.4	227.2	253.3	<i>260.2</i>
75°	141.9	168.0	195.8	218.5	<i>229.8</i>
77.5°	108.8	131.4	163.6	185.4	<i>194.1</i>
80°	75.7	101.8	131.4	155.8	<i>162.8</i>
82.5°	48.7	74.0	104.4	126.2	<i>134.9</i>
85°	26.1	49.6	80.1	102.7	<i>111.4</i>
87.5°	8.7	33.1	63.5	85.3	<i>94.9</i>
90°	0.9	25.2	55.7	77.5	<i>86.2</i>
92.5°	0.0	23.5	53.1	74.0	<i>83.6</i>
95°	0.0	22.6	52.2	74.0	<i>81.8</i>
97.5°	0.0	22.6	51.3	73.1	<i>80.9</i>
100°	0.0	21.8	50.5	70.5	<i>79.2</i>
102.5°	0.0	20.9	49.6	69.6	<i>77.5</i>
105°	0.0	20.9	47.9	67.0	<i>74.8</i>



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	18.3	43.5	61.8	68.8
115°	0.0	18.3	41.8	59.2	65.3
117.5°	0.0	17.4	40.9	57.4	62.7
120°	0.0	16.5	39.2	54.8	60.9
122.5°	0.0	15.7	37.4	52.2	58.3
125°	0.9	14.8	35.7	50.5	55.7
127.5°	0.9	13.9	33.9	47.9	53.1
130°	0.9	13.9	32.2	45.3	50.5
132.5°	0.9	13.1	30.5	42.6	47.9
135°	0.9	12.2	28.7	40.0	45.3
137.5°	0.9	11.3	27.0	38.3	41.8
140°	0.0	10.4	25.2	34.8	39.2
142.5°	0.9	8.7	22.6	33.1	35.7
145°	0.0	7.8	20.9	29.6	33.1
147.5°	0.9	7.0	19.1	27.0	30.5
150°	0.9	6.1	17.4	24.4	27.9
152.5°	0.9	5.2	14.8	21.8	24.4
155°	0.9	4.4	13.1	19.1	21.8
157.5°	0.9	3.5	10.4	16.5	18.3
160°	0.9	3.5	8.7	13.9	15.7
162.5°	0.9	2.6	7.0	11.3	13.1
165°	0.9	1.7	5.2	8.7	10.4
167.5°	0.9	1.7	3.5	7.0	7.8
170°	0.9	1.7	2.6	4.4	5.2
172.5°	0.9	0.9	1.7	2.6	3.5
175°	0.9	0.9	0.9	1.7	1.7
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	20.0	46.1	64.4	73.1
110°	0.0	19.1	45.3	62.7	70.5



(END OF REPORT)