

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: P709857

Luminaire Tested: **4AWWS-L3C3-SQR-UNV-5000K-MID**

Issue Date: 9/26/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P709857  
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: 4AWS-L3C3-SQR-UNV-5000K-MID  
Description: 4foot, Wide Adapt Surface Wrap with, SQR lens and MID lumen setting,  
5000K, 80CRI  
  
Light Source: -  
Ballast/Driver: -

**Summary**

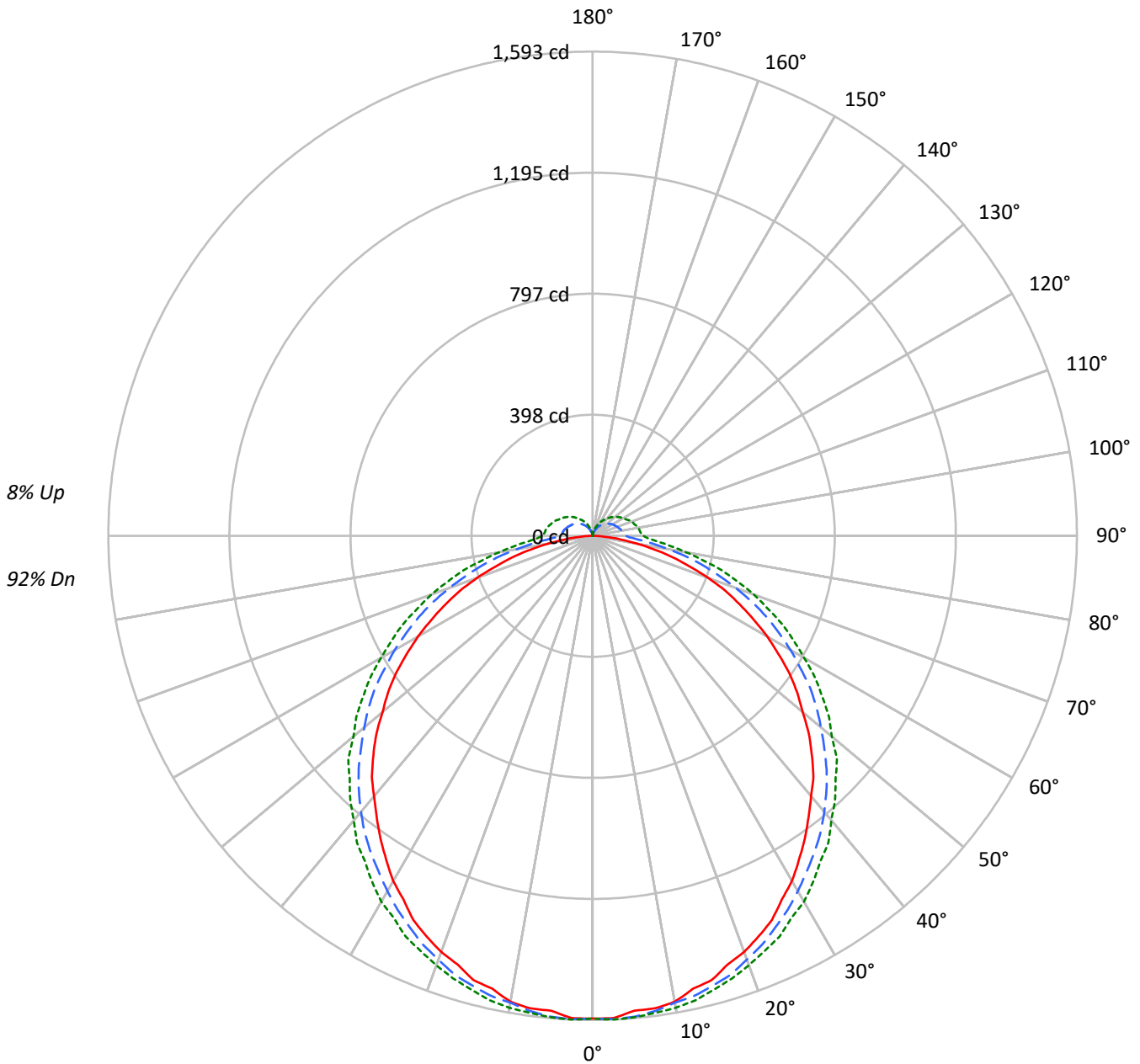
Lumens per Lamp: N/A  
Luminaire Lumens: 5205.0 lumens  
Efficiency: N/A  
Efficacy: 130.1 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.39  
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 3.71' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 40  
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				
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°	5552	5552	5552
5°	5481	5488	5481
10°	5481	5369	5401
15°	5410	5292	5300
20°	5330	5184	5205
25°	5268	5065	5123
30°	5158	4943	5017
35°	5031	4828	4877
40°	4914	4707	4757
45°	4821	4570	4636
50°	4650	4400	4488
55°	4519	4247	4346
60°	4296	4021	4145
65°	4016	3776	3956
70°	3661	3437	3684
75°	3134	3048	3368
80°	2317	2527	2903
85°	1316	2032	2560



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	150.6	2.9
10°-20°	432.0	8.3
20°-30°	656.7	12.6
30°-40°	795.4	15.3
40°-50°	836.3	16.1
50°-60°	773.1	14.9
60°-70°	615.2	11.8
70°-80°	387.3	7.4
80°-90°	167.8	3.2
90°-100°	99.5	1.9
100°-110°	87.6	1.7
110°-120°	72.4	1.4
120°-130°	55.5	1.1
130°-140°	38.7	0.7
140°-150°	22.9	0.4
150°-160°	10.7	0.2
160°-170°	3.2	0.1
170°-180°	0.3	0.0
0°-30°	1239.2	23.8
0°-40°	2034.6	39.1
0°-60°	3644.0	70.0
0°-90°	4814.3	92.5
90°-120°	259.4	5.0
90°-150°	376.5	7.2
90°-180°	391.0	7.5
0°-180°	5205.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1588	1588	1588	1588	1588	
5°	1568	1582	1588	1587	1590	150
15°	1513	1512	1532	1542	1545	426
25°	1395	1402	1422	1448	1455	641
35°	1217	1242	1272	1303	1307	761
45°	1020	1050	1088	1120	1130	786
55°	790	828	873	912	922	704
65°	533	578	630	672	688	528
75°	272	322	375	418	440	287
85°	50	95	153	197	213	61
90°	2	48	107	148	165	3
95°	0	43	100	142	157	0
105°	0	40	92	128	143	0
115°	0	35	80	113	125	0
125°	2	28	68	97	107	1
135°	2	23	55	77	87	1
145°	0	15	40	57	63	1
155°	2	8	25	37	42	1
165°	2	3	10	17	20	0
175°	2	2	2	3	3	0
180°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1588.4	1588.4	1588.4	1588.4	1588.4
2.5°	1588.4	1576.7	1591.7	1590.0	1593.4
5°	1568.4	1581.7	1588.4	1586.7	1590.0
7.5°	1568.4	1568.4	1576.7	1581.7	1583.4
10°	1556.7	1563.4	1560.0	1568.4	1576.7
12.5°	1526.7	1545.0	1550.0	1568.4	1565.0
15°	1513.4	1511.7	1531.7	1541.7	1545.0
17.5°	1478.4	1491.7	1513.4	1523.4	1526.7
20°	1456.7	1470.0	1483.4	1505.0	1503.4
22.5°	1426.7	1438.4	1456.7	1476.7	1478.4
25°	1395.0	1401.7	1421.7	1448.4	1455.0
27.5°	1348.4	1370.0	1388.4	1423.4	1416.7
30°	1311.7	1326.7	1350.0	1383.4	1390.0
32.5°	1263.4	1293.4	1310.0	1340.0	1350.0
35°	1216.7	1241.7	1271.7	1303.4	1306.7
37.5°	1166.7	1201.7	1231.7	1265.0	1273.4
40°	1118.3	1148.3	1185.0	1215.0	1221.7
42.5°	1075.0	1103.3	1138.3	1176.7	1180.0
45°	1020.0	1050.0	1088.3	1120.0	1130.0
47.5°	965.0	1000.0	1033.3	1071.7	1090.0
50°	901.7	941.7	980.0	1018.3	1026.7
52.5°	848.3	881.7	928.3	966.7	980.0
55°	790.0	828.3	873.3	911.7	921.7
57.5°	725.0	761.7	810.0	851.7	866.7
60°	663.3	703.3	751.7	793.3	803.3
62.5°	596.7	641.7	690.0	733.3	745.0
65°	533.3	578.3	630.0	671.7	688.3
67.5°	471.7	515.0	566.7	608.3	621.7
70°	403.3	446.7	500.0	546.7	563.3
72.5°	333.3	380.0	435.0	485.0	498.3
75°	271.7	321.7	375.0	418.3	440.0
77.5°	208.3	251.7	313.3	355.0	371.7
80°	145.0	195.0	251.7	298.3	311.7
82.5°	93.3	141.7	200.0	241.7	258.3
85°	50.0	95.0	153.3	196.7	213.3
87.5°	16.7	63.3	121.7	163.3	181.7
90°	1.7	48.3	106.7	148.3	165.0
92.5°	0.0	45.0	101.7	141.7	160.0
95°	0.0	43.3	100.0	141.7	156.7
97.5°	0.0	43.3	98.3	140.0	155.0
100°	0.0	41.7	96.7	135.0	151.7
102.5°	0.0	40.0	95.0	133.3	148.3
105°	0.0	40.0	91.7	128.3	143.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	35.0	83.3	118.3	131.7
115°	0.0	35.0	80.0	113.3	125.0
117.5°	0.0	33.3	78.3	110.0	120.0
120°	0.0	31.7	75.0	105.0	116.7
122.5°	0.0	30.0	71.7	100.0	111.7
125°	1.7	28.3	68.3	96.7	106.7
127.5°	1.7	26.7	65.0	91.7	101.7
130°	1.7	26.7	61.7	86.7	96.7
132.5°	1.7	25.0	58.3	81.7	91.7
135°	1.7	23.3	55.0	76.7	86.7
137.5°	1.7	21.7	51.7	73.3	80.0
140°	0.0	20.0	48.3	66.7	75.0
142.5°	1.7	16.7	43.3	63.3	68.3
145°	0.0	15.0	40.0	56.7	63.3
147.5°	1.7	13.3	36.7	51.7	58.3
150°	1.7	11.7	33.3	46.7	53.3
152.5°	1.7	10.0	28.3	41.7	46.7
155°	1.7	8.3	25.0	36.7	41.7
157.5°	1.7	6.7	20.0	31.7	35.0
160°	1.7	6.7	16.7	26.7	30.0
162.5°	1.7	5.0	13.3	21.7	25.0
165°	1.7	3.3	10.0	16.7	20.0
167.5°	1.7	3.3	6.7	13.3	15.0
170°	1.7	3.3	5.0	8.3	10.0
172.5°	1.7	1.7	3.3	5.0	6.7
175°	1.7	1.7	1.7	3.3	3.3
177.5°	1.7	1.7	1.7	1.7	1.7
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	38.3	88.3	123.3	140.0
110°	0.0	36.7	86.7	120.0	135.0



(END OF REPORT)