

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: P709756

Luminaire Tested: **4AWS-L3C39-SQR-UNV-5000K-HI**

Issue Date: 9/26/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P709756  
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: 4AWS-L3C39-SQR-UNV-5000K-HI  
Description: 4foot, Adapt Surface Wrap with, SQR lens and HI lumen setting, 5000K, 90CRI

Light Source: -  
Ballast/Driver: -

**Summary**

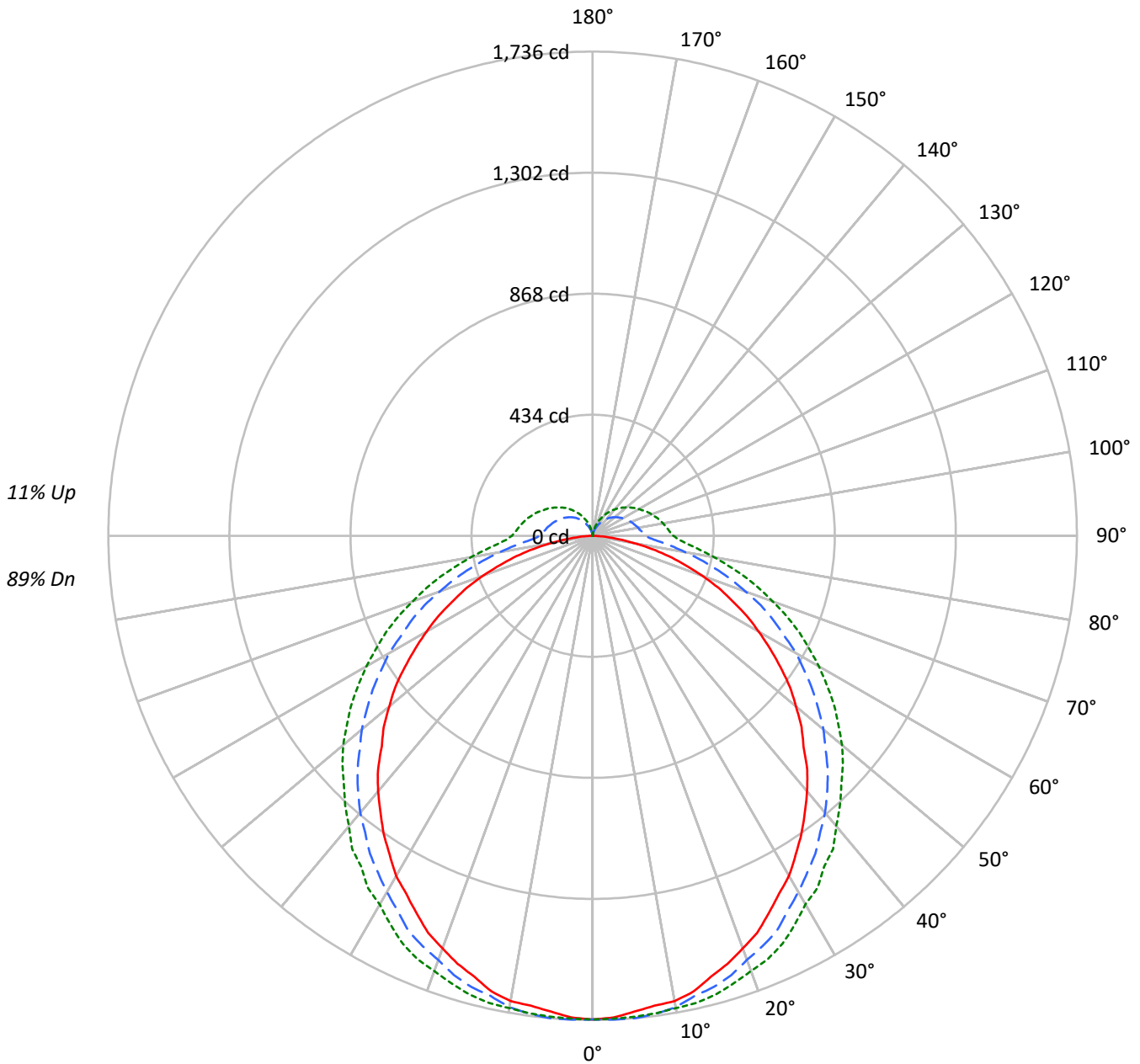
Lumens per Lamp: N/A  
Luminaire Lumens: 6053.0 lumens  
Efficiency: N/A  
Efficacy: 121.1 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.31 / 1.4  
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 3.71' x H: 0.12')  
CIE Type: Semi-Direct

Input Watts (W): 50  
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°	10939	10939	10939
5°	10811	10797	10714
10°	10787	10603	10530
15°	10595	10365	10394
20°	10442	10100	10180
25°	10236	9918	10007
30°	10068	9591	9660
35°	9826	9357	9420
40°	9589	9088	9176
45°	9236	8810	8919
50°	8986	8498	8733
55°	8641	8163	8461
60°	8212	7818	8135
65°	7691	7389	7814
70°	7056	6842	7366
75°	6132	6255	6964
80°	4638	5601	6481
85°	2631	5145	6230



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	164.6	2.7
10°-20°	471.9	7.8
20°-30°	715.7	11.8
30°-40°	866.2	14.3
40°-50°	911.9	15.1
50°-60°	849.4	14.0
60°-70°	692.8	11.4
70°-80°	467.1	7.7
80°-90°	251.0	4.1
90°-100°	174.0	2.9
100°-110°	148.9	2.5
110°-120°	121.5	2.0
120°-130°	92.4	1.5
130°-140°	63.9	1.1
140°-150°	38.1	0.6
150°-160°	17.8	0.3
160°-170°	5.2	0.1
170°-180°	0.5	0.0
0°-30°	1352.1	22.3
0°-40°	2218.3	36.6
0°-60°	3979.5	65.7
0°-90°	5390.6	89.1
90°-120°	444.4	7.3
90°-150°	638.9	10.6
90°-180°	662.0	10.9
0°-180°	6053.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1734	1734	1734	1734	1734	
5°	1712	1731	1736	1736	1731	163
15°	1637	1655	1676	1690	1703	463
25°	1493	1522	1563	1578	1613	689
35°	1305	1336	1392	1432	1447	816
45°	1069	1121	1192	1244	1261	829
55°	822	881	962	1023	1056	735
65°	551	619	715	785	816	548
75°	282	356	455	529	564	298
85°	50	136	240	315	343	62
90°	2	87	188	262	289	3
95°	0	79	177	245	271	0
105°	0	70	155	218	242	0
115°	2	61	135	188	208	2
125°	2	50	114	158	175	2
135°	2	39	92	127	142	1
145°	4	26	66	94	105	2
155°	4	15	39	61	66	2
165°	4	7	17	26	31	1
175°	4	4	4	4	4	0
180°	2	2	2	2	2	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1734.4	1734.4	1734.4	1734.4	1734.4
2.5°	1728.9	1730.8	1736.3	1741.8	1732.6
5°	1712.3	1730.8	1736.3	1736.3	1730.8
7.5°	1699.4	1716.0	1728.9	1725.2	1727.1
10°	1693.9	1703.1	1716.0	1725.2	1719.7
12.5°	1673.6	1679.1	1690.2	1704.9	1716.0
15°	1636.7	1655.2	1675.5	1690.2	1703.1
17.5°	1609.1	1625.7	1651.5	1664.4	1682.8
20°	1574.1	1592.5	1618.3	1646.0	1660.7
22.5°	1540.9	1557.5	1592.5	1610.9	1642.3
25°	1493.0	1522.5	1563.0	1577.8	1612.8
27.5°	1446.9	1480.1	1515.1	1555.6	1570.4
30°	1408.2	1432.2	1474.5	1509.6	1526.2
32.5°	1354.7	1387.9	1432.2	1474.5	1498.5
35°	1305.0	1336.3	1391.6	1432.2	1446.9
37.5°	1249.7	1284.7	1340.0	1387.9	1415.6
40°	1196.2	1234.9	1295.8	1341.8	1358.4
42.5°	1139.1	1179.6	1244.2	1297.6	1312.3
45°	1069.0	1120.7	1192.5	1244.2	1260.7
47.5°	1015.6	1063.5	1131.7	1192.5	1216.5
50°	951.1	1004.5	1080.1	1135.4	1166.7
52.5°	892.1	941.9	1019.3	1072.7	1109.6
55°	822.1	881.0	962.1	1023.0	1056.1
57.5°	753.9	814.7	899.5	962.1	995.3
60°	687.5	750.2	842.3	905.0	936.3
62.5°	623.0	689.4	772.3	847.9	873.7
65°	551.1	619.3	715.2	785.2	816.5
67.5°	488.4	549.3	652.5	717.0	752.0
70°	416.6	488.4	582.4	656.2	685.7
72.5°	346.5	422.1	519.8	595.3	624.8
75°	282.0	355.7	455.3	529.0	564.0
77.5°	217.5	293.1	394.4	470.0	499.5
80°	151.1	234.1	335.5	411.0	442.4
82.5°	95.8	180.6	285.7	357.6	387.1
85°	49.8	136.4	239.6	315.2	342.8
87.5°	16.6	103.2	206.4	280.2	307.8
90°	1.8	86.6	188.0	261.7	289.4
92.5°	0.0	82.9	182.5	252.5	278.3
95°	0.0	79.3	176.9	245.1	270.9
97.5°	0.0	77.4	169.6	237.8	263.6
100°	0.0	73.7	165.9	232.2	256.2
102.5°	0.0	71.9	160.4	224.9	248.8
105°	0.0	70.0	154.8	217.5	241.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.8	62.7	140.1	197.2	217.5
115°	1.8	60.8	134.6	188.0	208.3
117.5°	1.8	57.1	130.9	180.6	199.1
120°	1.8	55.3	125.3	175.1	191.7
122.5°	1.8	53.5	119.8	165.9	184.3
125°	1.8	49.8	114.3	158.5	175.1
127.5°	1.8	46.1	108.7	151.1	165.9
130°	1.8	44.2	103.2	141.9	158.5
132.5°	1.8	40.6	97.7	136.4	149.3
135°	1.8	38.7	92.2	127.2	141.9
137.5°	1.8	35.0	86.6	119.8	132.7
140°	1.8	31.3	79.3	112.4	123.5
142.5°	1.8	29.5	73.7	103.2	114.3
145°	3.7	25.8	66.4	94.0	105.1
147.5°	3.7	24.0	59.0	86.6	95.8
150°	3.7	20.3	51.6	77.4	86.6
152.5°	3.7	18.4	46.1	68.2	77.4
155°	3.7	14.7	38.7	60.8	66.4
157.5°	3.7	12.9	33.2	51.6	59.0
160°	3.7	11.1	27.6	44.2	49.8
162.5°	3.7	9.2	22.1	35.0	40.6
165°	3.7	7.4	16.6	25.8	31.3
167.5°	3.7	5.5	12.9	18.4	24.0
170°	3.7	5.5	9.2	12.9	18.4
172.5°	3.7	3.7	5.5	7.4	11.1
175°	3.7	3.7	3.7	3.7	3.7
177.5°	3.7	3.7	1.8	1.8	0.0
180°	1.8	1.8	1.8	1.8	1.8



Report Generated By 670246072 / DESKTOP-MV3F9LC







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







107.5°	0.0	66.4	151.1	210.1	232.2
110°	1.8	64.5	145.6	202.8	224.9



(END OF REPORT)