

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: P709729

Luminaire Tested: **4AWS-L3C3-SQR-UNV-5000K-HI**

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709729
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-L3C3-SQR-UNV-5000K-HI
Description: 4foot, Adapt Surface Wrap with, SQR lens and HI lumen setting,
5000K, 80CRI

Light Source: -
Ballast/Driver: -

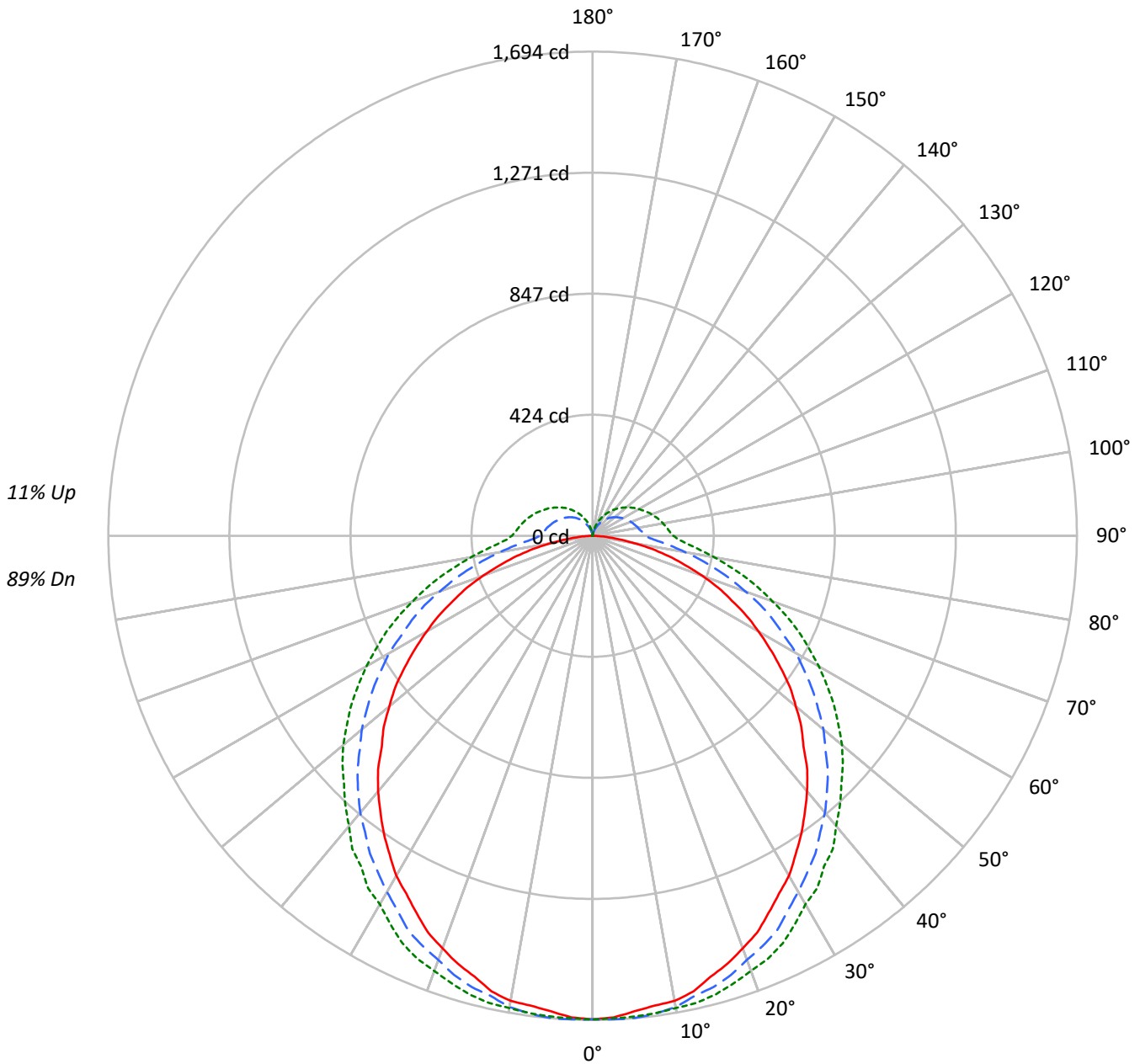
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5905.0 lumens
Efficiency: N/A
Efficacy: 118.1 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_{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					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	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°	10672	10672	10672
5°	10547	10533	10451
10°	10523	10343	10272
15°	10336	10111	10140
20°	10187	9853	9931
25°	9986	9676	9762
30°	9822	9357	9424
35°	9585	9128	9190
40°	9355	8866	8952
45°	9011	8595	8701
50°	8766	8291	8520
55°	8430	7963	8254
60°	8012	7627	7936
65°	7503	7208	7624
70°	6883	6676	7185
75°	5982	6101	6794
80°	4524	5464	6321
85°	2562	5021	6079



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.5	2.7
10°-20°	460.3	7.8
20°-30°	698.2	11.8
30°-40°	845.0	14.3
40°-50°	889.6	15.1
50°-60°	828.6	14.0
60°-70°	675.9	11.4
70°-80°	455.7	7.7
80°-90°	244.9	4.1
90°-100°	169.7	2.9
100°-110°	145.3	2.5
110°-120°	118.5	2.0
120°-130°	90.1	1.5
130°-140°	62.4	1.1
140°-150°	37.2	0.6
150°-160°	17.3	0.3
160°-170°	5.1	0.1
170°-180°	0.5	0.0
0°-30°	1319.0	22.3
0°-40°	2164.0	36.6
0°-60°	3882.2	65.7
0°-90°	5258.8	89.1
90°-120°	433.6	7.3
90°-150°	623.3	10.6
90°-180°	646.0	10.9
0°-180°	5905.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1692	1692	1692	1692	1692	
5°	1670	1688	1694	1694	1688	159
15°	1597	1615	1634	1649	1662	451
25°	1456	1485	1525	1539	1573	672
35°	1273	1304	1358	1397	1412	796
45°	1043	1093	1163	1214	1230	809
55°	802	860	939	998	1030	717
65°	538	604	698	766	797	534
75°	275	347	444	516	550	291
85°	48	133	234	308	334	61
90°	2	84	183	255	282	3
95°	0	77	173	239	264	0
105°	0	68	151	212	236	0
115°	2	59	131	183	203	2
125°	2	48	112	155	171	2
135°	2	38	90	124	138	1
145°	4	25	65	92	102	2
155°	4	14	38	59	65	2
165°	4	7	16	25	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°	1692.0	1692.0	1692.0	1692.0	1692.0
2.5°	1686.6	1688.4	1693.8	1699.2	1690.2
5°	1670.5	1688.4	1693.8	1693.8	1688.4
7.5°	1657.9	1674.0	1686.6	1683.0	1684.8
10°	1652.5	1661.5	1674.0	1683.0	1677.6
12.5°	1632.7	1638.1	1648.9	1663.3	1674.0
15°	1596.7	1614.7	1634.5	1648.9	1661.5
17.5°	1569.8	1585.9	1611.1	1623.7	1641.7
20°	1535.6	1553.6	1578.7	1605.7	1620.1
22.5°	1503.2	1519.4	1553.6	1571.6	1602.1
25°	1456.5	1485.2	1524.8	1539.2	1573.4
27.5°	1411.5	1443.9	1478.1	1517.6	1532.0
30°	1373.8	1397.1	1438.5	1472.7	1488.8
32.5°	1321.6	1354.0	1397.1	1438.5	1461.9
35°	1273.1	1303.6	1357.6	1397.1	1411.5
37.5°	1219.1	1253.3	1307.2	1354.0	1381.0
40°	1167.0	1204.7	1264.1	1309.0	1325.2
42.5°	1111.2	1150.8	1213.7	1265.9	1280.3
45°	1042.9	1093.3	1163.4	1213.7	1229.9
47.5°	990.8	1037.5	1104.0	1163.4	1186.8
50°	927.8	980.0	1053.7	1107.6	1138.2
52.5°	870.3	918.8	994.4	1046.5	1082.5
55°	802.0	859.5	938.6	998.0	1030.3
57.5°	735.4	794.8	877.5	938.6	971.0
60°	670.7	731.8	821.7	882.9	913.4
62.5°	607.8	672.5	753.4	827.1	852.3
65°	537.6	604.2	697.7	766.0	796.6
67.5°	476.5	535.8	636.5	699.5	733.6
70°	406.4	476.5	568.2	640.1	668.9
72.5°	338.0	411.8	507.1	580.8	609.6
75°	275.1	347.0	444.1	516.1	550.2
77.5°	212.2	285.9	384.8	458.5	487.3
80°	147.4	228.4	327.3	401.0	431.5
82.5°	93.5	176.2	278.7	348.8	377.6
85°	48.5	133.1	233.8	307.5	334.5
87.5°	16.2	100.7	201.4	273.3	300.3
90°	1.8	84.5	183.4	255.3	282.3
92.5°	0.0	80.9	178.0	246.3	271.5
95°	0.0	77.3	172.6	239.1	264.3
97.5°	0.0	75.5	165.4	232.0	257.1
100°	0.0	71.9	161.8	226.6	249.9
102.5°	0.0	70.1	156.4	219.4	242.7
105°	0.0	68.3	151.0	212.2	235.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.8	61.1	136.7	192.4	212.2
115°	1.8	59.3	131.3	183.4	203.2
117.5°	1.8	55.7	127.7	176.2	194.2
120°	1.8	53.9	122.3	170.8	187.0
122.5°	1.8	52.1	116.9	161.8	179.8
125°	1.8	48.5	111.5	154.6	170.8
127.5°	1.8	45.0	106.1	147.4	161.8
130°	1.8	43.2	100.7	138.5	154.6
132.5°	1.8	39.6	95.3	133.1	145.6
135°	1.8	37.8	89.9	124.1	138.5
137.5°	1.8	34.2	84.5	116.9	129.5
140°	1.8	30.6	77.3	109.7	120.5
142.5°	1.8	28.8	71.9	100.7	111.5
145°	3.6	25.2	64.7	91.7	102.5
147.5°	3.6	23.4	57.5	84.5	93.5
150°	3.6	19.8	50.3	75.5	84.5
152.5°	3.6	18.0	45.0	66.5	75.5
155°	3.6	14.4	37.8	59.3	64.7
157.5°	3.6	12.6	32.4	50.3	57.5
160°	3.6	10.8	27.0	43.2	48.5
162.5°	3.6	9.0	21.6	34.2	39.6
165°	3.6	7.2	16.2	25.2	30.6
167.5°	3.6	5.4	12.6	18.0	23.4
170°	3.6	5.4	9.0	12.6	18.0
172.5°	3.6	3.6	5.4	7.2	10.8
175°	3.6	3.6	3.6	3.6	3.6
177.5°	3.6	3.6	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	64.7	147.4	205.0	226.6
110°	1.8	62.9	142.1	197.8	219.4



(END OF REPORT)