

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: P709758

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

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709758
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-MID
Description: 4foot, Adapt Surface Wrap with, SQR lens and MID lumen setting,
5000K, 90CRI

Light Source: -
Ballast/Driver: -

Summary

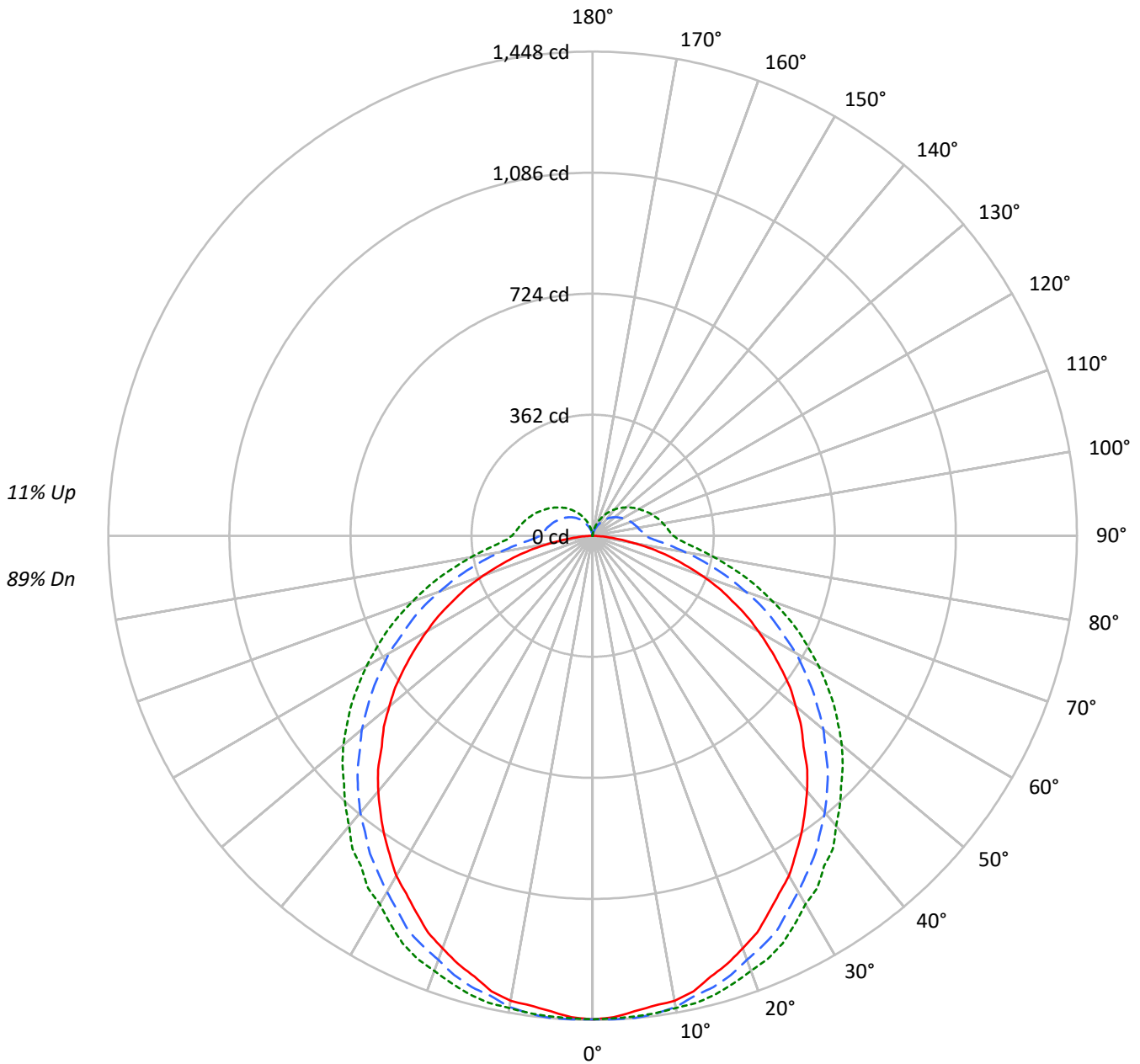
Lumens per Lamp: N/A
Luminaire Lumens: 5046.9 lumens
Efficiency: N/A
Efficacy: 126.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.31 / 1.4
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 3.71' x H: 0.12')
CIE Type: Semi-Direct

Input Watts (W): 40
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	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°	9122	9122	9122
5°	9014	9003	8933
10°	8994	8840	8780
15°	8835	8642	8667
20°	8707	8422	8488
25°	8534	8270	8343
30°	8395	7997	8054
35°	8193	7801	7854
40°	7995	7577	7651
45°	7702	7346	7437
50°	7492	7086	7282
55°	7204	6806	7055
60°	6847	6518	6783
65°	6413	6160	6515
70°	5882	5705	6141
75°	5112	5215	5807
80°	3867	4669	5403
85°	2193	4291	5196



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.2	2.7
10°-20°	393.5	7.8
20°-30°	596.7	11.8
30°-40°	722.2	14.3
40°-50°	760.3	15.1
50°-60°	708.2	14.0
60°-70°	577.7	11.4
70°-80°	389.5	7.7
80°-90°	209.3	4.1
90°-100°	145.1	2.9
100°-110°	124.2	2.5
110°-120°	101.3	2.0
120°-130°	77.0	1.5
130°-140°	53.3	1.1
140°-150°	31.8	0.6
150°-160°	14.8	0.3
160°-170°	4.4	0.1
170°-180°	0.4	0.0
0°-30°	1127.4	22.3
0°-40°	1849.6	36.6
0°-60°	3318.1	65.7
0°-90°	4494.6	89.1
90°-120°	370.6	7.3
90°-150°	532.7	10.6
90°-180°	552.0	10.9
0°-180°	5046.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1446	1446	1446	1446	1446	
5°	1428	1443	1448	1448	1443	136
15°	1365	1380	1397	1409	1420	386
25°	1245	1269	1303	1316	1345	574
35°	1088	1114	1160	1194	1206	680
45°	891	934	994	1037	1051	692
55°	685	735	802	853	881	613
65°	460	516	596	655	681	457
75°	235	297	380	441	470	248
85°	42	114	200	263	286	52
90°	2	72	157	218	241	2
95°	0	66	148	204	226	0
105°	0	58	129	181	201	0
115°	2	51	112	157	174	1
125°	2	42	95	132	146	1
135°	2	32	77	106	118	1
145°	3	22	55	78	88	2
155°	3	12	32	51	55	1
165°	3	6	14	22	26	1
175°	3	3	3	3	3	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1446.2	1446.2	1446.2	1446.2	1446.2
2.5°	1441.6	1443.1	1447.7	1452.3	1444.6
5°	1427.7	1443.1	1447.7	1447.7	1443.1
7.5°	1417.0	1430.8	1441.6	1438.5	1440.0
10°	1412.4	1420.1	1430.8	1438.5	1433.9
12.5°	1395.5	1400.1	1409.3	1421.6	1430.8
15°	1364.7	1380.1	1397.0	1409.3	1420.1
17.5°	1341.7	1355.5	1377.0	1387.8	1403.1
20°	1312.5	1327.8	1349.4	1372.4	1384.7
22.5°	1284.8	1298.6	1327.8	1343.2	1369.3
25°	1244.8	1269.4	1303.2	1315.5	1344.7
27.5°	1206.4	1234.1	1263.3	1297.1	1309.4
30°	1174.2	1194.1	1229.5	1258.7	1272.5
32.5°	1129.6	1157.2	1194.1	1229.5	1249.5
35°	1088.1	1114.2	1160.3	1194.1	1206.4
37.5°	1042.0	1071.2	1117.3	1157.2	1180.3
40°	997.4	1029.7	1080.4	1118.8	1132.7
42.5°	949.8	983.6	1037.4	1081.9	1094.2
45°	891.4	934.4	994.3	1037.4	1051.2
47.5°	846.8	886.8	943.6	994.3	1014.3
50°	793.0	837.6	900.6	946.7	972.8
52.5°	743.8	785.3	849.9	894.4	925.2
55°	685.4	734.6	802.2	853.0	880.6
57.5°	628.6	679.3	750.0	802.2	829.9
60°	573.2	625.5	702.3	754.6	780.7
62.5°	519.5	574.8	643.9	707.0	728.5
65°	459.5	516.4	596.3	654.7	680.8
67.5°	407.3	458.0	544.0	597.8	627.0
70°	347.3	407.3	485.6	547.1	571.7
72.5°	288.9	351.9	433.4	496.4	521.0
75°	235.1	296.6	379.6	441.1	470.3
77.5°	181.3	244.4	328.9	391.9	416.5
80°	126.0	195.2	279.7	342.7	368.8
82.5°	79.9	150.6	238.2	298.1	322.7
85°	41.5	113.7	199.8	262.8	285.9
87.5°	13.8	86.1	172.1	233.6	256.7
90°	1.5	72.2	156.8	218.2	241.3
92.5°	0.0	69.2	152.1	210.5	232.1
95°	0.0	66.1	147.5	204.4	225.9
97.5°	0.0	64.5	141.4	198.3	219.8
100°	0.0	61.5	138.3	193.6	213.6
102.5°	0.0	59.9	133.7	187.5	207.5
105°	0.0	58.4	129.1	181.3	201.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.5	52.3	116.8	164.4	181.3
115°	1.5	50.7	112.2	156.8	173.7
117.5°	1.5	47.6	109.1	150.6	166.0
120°	1.5	46.1	104.5	146.0	159.8
122.5°	1.5	44.6	99.9	138.3	153.7
125°	1.5	41.5	95.3	132.2	146.0
127.5°	1.5	38.4	90.7	126.0	138.3
130°	1.5	36.9	86.1	118.3	132.2
132.5°	1.5	33.8	81.5	113.7	124.5
135°	1.5	32.3	76.8	106.0	118.3
137.5°	1.5	29.2	72.2	99.9	110.7
140°	1.5	26.1	66.1	93.7	103.0
142.5°	1.5	24.6	61.5	86.1	95.3
145°	3.1	21.5	55.3	78.4	87.6
147.5°	3.1	20.0	49.2	72.2	79.9
150°	3.1	16.9	43.0	64.5	72.2
152.5°	3.1	15.4	38.4	56.9	64.5
155°	3.1	12.3	32.3	50.7	55.3
157.5°	3.1	10.8	27.7	43.0	49.2
160°	3.1	9.2	23.1	36.9	41.5
162.5°	3.1	7.7	18.4	29.2	33.8
165°	3.1	6.1	13.8	21.5	26.1
167.5°	3.1	4.6	10.8	15.4	20.0
170°	3.1	4.6	7.7	10.8	15.4
172.5°	3.1	3.1	4.6	6.1	9.2
175°	3.1	3.1	3.1	3.1	3.1
177.5°	3.1	3.1	1.5	1.5	0.0
180°	1.5	1.5	1.5	1.5	1.5



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	55.3	126.0	175.2	193.6
110°	1.5	53.8	121.4	169.1	187.5



(END OF REPORT)