

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: P709731

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

Issue Date: 9/26/2023



Test Information

Test Method: LM-79-08
Report Number: P709731
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-MID
Description: 4foot, Adapt Surface Wrap with, SQR lens and MID lumen setting, 5000K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

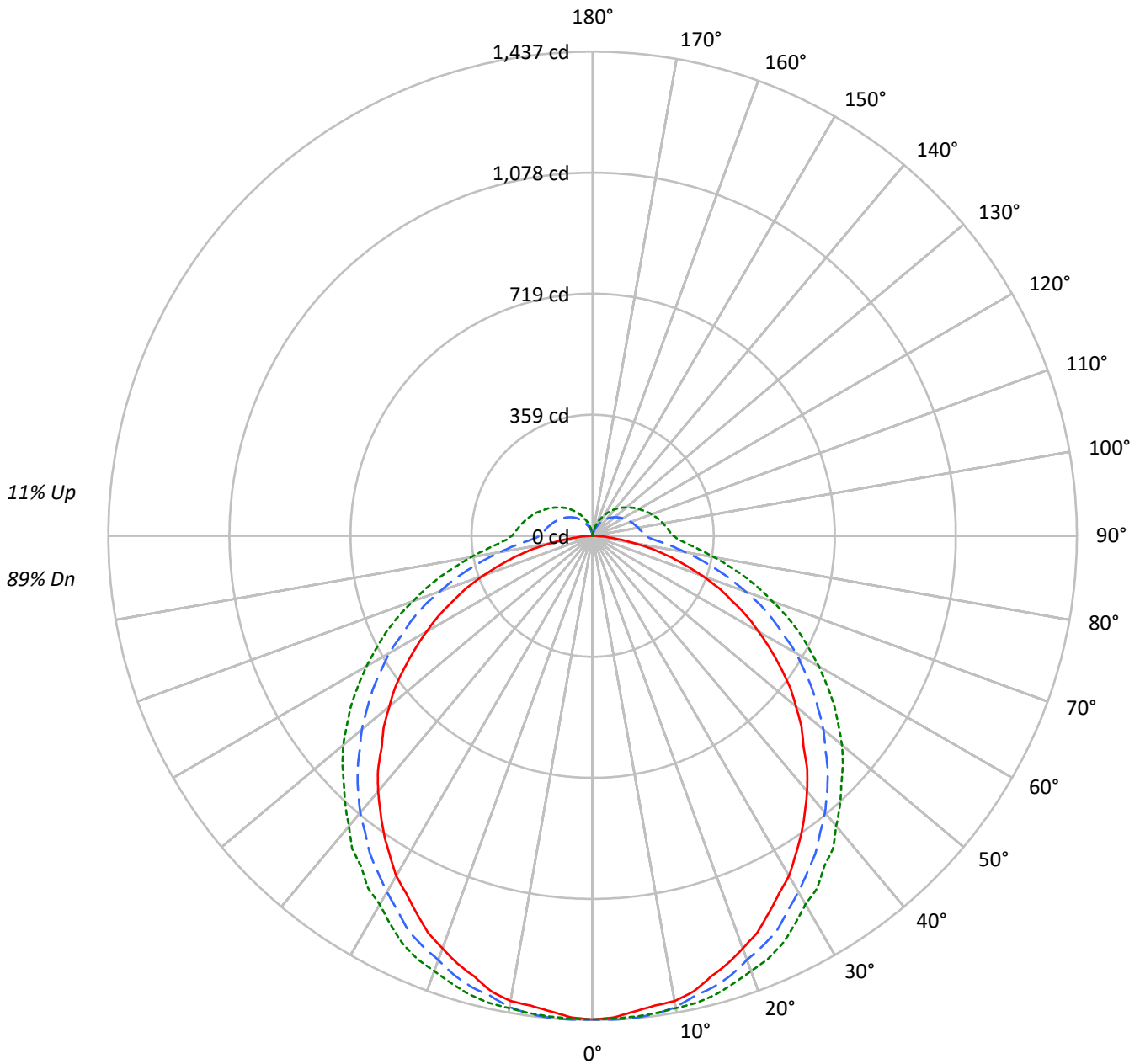
Lumens per Lamp: N/A
Luminaire Lumens: 5010.0 lumens
Efficiency: N/A
Efficacy: 125.3 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.31 / 1.4
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 3.71' x H: 0.12')
CIE Type: Semi-Direct

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				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				89
1	105	100	95	91	101	96	92	88	90	87	83	84	82	79	79	77	75	72				72
2	95	86	79	73	91	83	77	71	78	73	68	73	69	65	69	65	62	59				59
3	86	75	67	60	83	73	65	59	68	62	56	64	59	54	60	56	52	49				49
4	79	67	57	51	76	64	56	50	61	53	48	57	51	46	54	48	44	42				42
5	72	59	50	43	69	57	49	43	54	47	41	51	45	40	48	43	38	36				36
6	67	53	44	38	64	52	43	37	49	41	36	46	40	35	43	38	34	31				31
7	62	48	39	33	59	47	38	33	44	37	32	42	35	31	40	34	30	27				27
8	57	44	35	29	55	43	35	29	40	33	28	38	32	27	36	31	27	24				24
9	54	40	32	26	52	39	31	26	37	30	25	35	29	25	34	28	24	22				22
10	50	37	29	24	48	36	29	23	34	28	23	33	27	22	31	26	22	20				20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9055	9055	9055
5°	8948	8937	8867
10°	8928	8776	8715
15°	8770	8579	8603
20°	8643	8360	8426
25°	8472	8209	8282
30°	8333	7939	7996
35°	8132	7744	7797
40°	7937	7522	7595
45°	7645	7293	7382
50°	7438	7034	7228
55°	7152	6757	7004
60°	6797	6471	6734
65°	6365	6115	6468
70°	5840	5664	6096
75°	5075	5177	5764
80°	3840	4636	5363
85°	2177	4258	5158



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.2	2.7
10°-20°	390.6	7.8
20°-30°	592.3	11.8
30°-40°	716.9	14.3
40°-50°	754.8	15.1
50°-60°	703.0	14.0
60°-70°	573.5	11.4
70°-80°	386.6	7.7
80°-90°	207.8	4.1
90°-100°	144.0	2.9
100°-110°	123.3	2.5
110°-120°	100.6	2.0
120°-130°	76.4	1.5
130°-140°	52.9	1.1
140°-150°	31.6	0.6
150°-160°	14.7	0.3
160°-170°	4.3	0.1
170°-180°	0.4	0.0
0°-30°	1119.1	22.3
0°-40°	1836.0	36.6
0°-60°	3293.8	65.7
0°-90°	4461.7	89.1
90°-120°	367.9	7.3
90°-150°	528.8	10.6
90°-180°	548.0	10.9
0°-180°	5010.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1436	1436	1436	1436	1436	
5°	1417	1432	1437	1437	1432	135
15°	1355	1370	1387	1399	1410	383
25°	1236	1260	1294	1306	1335	570
35°	1080	1106	1152	1185	1198	675
45°	885	928	987	1030	1044	686
55°	680	729	796	847	874	608
65°	456	513	592	650	676	453
75°	233	294	377	438	467	246
85°	41	113	198	261	284	52
90°	2	72	156	217	240	2
95°	0	66	146	203	224	0
105°	0	58	128	180	200	0
115°	2	50	111	156	172	1
125°	2	41	95	131	145	1
135°	2	32	76	105	118	1
145°	3	21	55	78	87	2
155°	3	12	32	50	55	1
165°	3	6	14	21	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°	1435.6	1435.6	1435.6	1435.6	1435.6
2.5°	1431.0	1432.5	1437.1	1441.7	1434.0
5°	1417.3	1432.5	1437.1	1437.1	1432.5
7.5°	1406.6	1420.3	1431.0	1427.9	1429.5
10°	1402.0	1409.6	1420.3	1427.9	1423.4
12.5°	1385.2	1389.8	1399.0	1411.2	1420.3
15°	1354.7	1370.0	1386.8	1399.0	1409.6
17.5°	1331.8	1345.6	1366.9	1377.6	1392.9
20°	1302.8	1318.1	1339.5	1362.3	1374.6
22.5°	1275.4	1289.1	1318.1	1333.4	1359.3
25°	1235.7	1260.1	1293.7	1305.9	1334.9
27.5°	1197.6	1225.0	1254.0	1287.6	1299.8
30°	1165.5	1185.4	1220.5	1249.5	1263.2
32.5°	1121.3	1148.8	1185.4	1220.5	1240.3
35°	1080.1	1106.0	1151.8	1185.4	1197.6
37.5°	1034.3	1063.3	1109.1	1148.8	1171.6
40°	990.1	1022.1	1072.5	1110.6	1124.4
42.5°	942.8	976.4	1029.8	1074.0	1086.2
45°	884.8	927.6	987.1	1029.8	1043.5
47.5°	840.6	880.3	936.7	987.1	1006.9
50°	787.2	831.4	894.0	939.8	965.7
52.5°	738.4	779.6	843.6	887.9	918.4
55°	680.4	729.2	796.4	846.7	874.2
57.5°	624.0	674.3	744.5	796.4	823.8
60°	569.0	620.9	697.2	749.1	775.0
62.5°	515.6	570.6	639.2	701.8	723.1
65°	456.1	512.6	591.9	649.9	675.8
67.5°	404.3	454.6	540.1	593.5	622.4
70°	344.8	404.3	482.1	543.1	567.5
72.5°	286.8	349.4	430.2	492.8	517.2
75°	233.4	294.4	376.8	437.8	466.8
77.5°	180.0	242.6	326.5	389.0	413.4
80°	125.1	193.7	277.7	340.2	366.1
82.5°	79.3	149.5	236.5	296.0	320.4
85°	41.2	112.9	198.3	260.9	283.8
87.5°	13.7	85.4	170.9	231.9	254.8
90°	1.5	71.7	155.6	216.6	239.5
92.5°	0.0	68.7	151.0	209.0	230.4
95°	0.0	65.6	146.5	202.9	224.3
97.5°	0.0	64.1	140.4	196.8	218.2
100°	0.0	61.0	137.3	192.2	212.1
102.5°	0.0	59.5	132.7	186.1	206.0
105°	0.0	58.0	128.1	180.0	199.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.5	51.9	115.9	163.2	180.0
115°	1.5	50.3	111.4	155.6	172.4
117.5°	1.5	47.3	108.3	149.5	164.8
120°	1.5	45.8	103.7	144.9	158.7
122.5°	1.5	44.2	99.2	137.3	152.6
125°	1.5	41.2	94.6	131.2	144.9
127.5°	1.5	38.1	90.0	125.1	137.3
130°	1.5	36.6	85.4	117.5	131.2
132.5°	1.5	33.6	80.9	112.9	123.6
135°	1.5	32.0	76.3	105.3	117.5
137.5°	1.5	29.0	71.7	99.2	109.8
140°	1.5	25.9	65.6	93.1	102.2
142.5°	1.5	24.4	61.0	85.4	94.6
145°	3.1	21.4	54.9	77.8	87.0
147.5°	3.1	19.8	48.8	71.7	79.3
150°	3.1	16.8	42.7	64.1	71.7
152.5°	3.1	15.3	38.1	56.4	64.1
155°	3.1	12.2	32.0	50.3	54.9
157.5°	3.1	10.7	27.5	42.7	48.8
160°	3.1	9.2	22.9	36.6	41.2
162.5°	3.1	7.6	18.3	29.0	33.6
165°	3.1	6.1	13.7	21.4	25.9
167.5°	3.1	4.6	10.7	15.3	19.8
170°	3.1	4.6	7.6	10.7	15.3
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	54.9	125.1	173.9	192.2
110°	1.5	53.4	120.5	167.8	186.1



(END OF REPORT)