

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: P709725

Luminaire Tested: **4AWS-L3C3-SQR-UNV-3500K-MID**

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709725
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-3500K-MID
Description: 4foot, Adapt Surface Wrap with, SQR lens and MID lumen setting,
3500K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

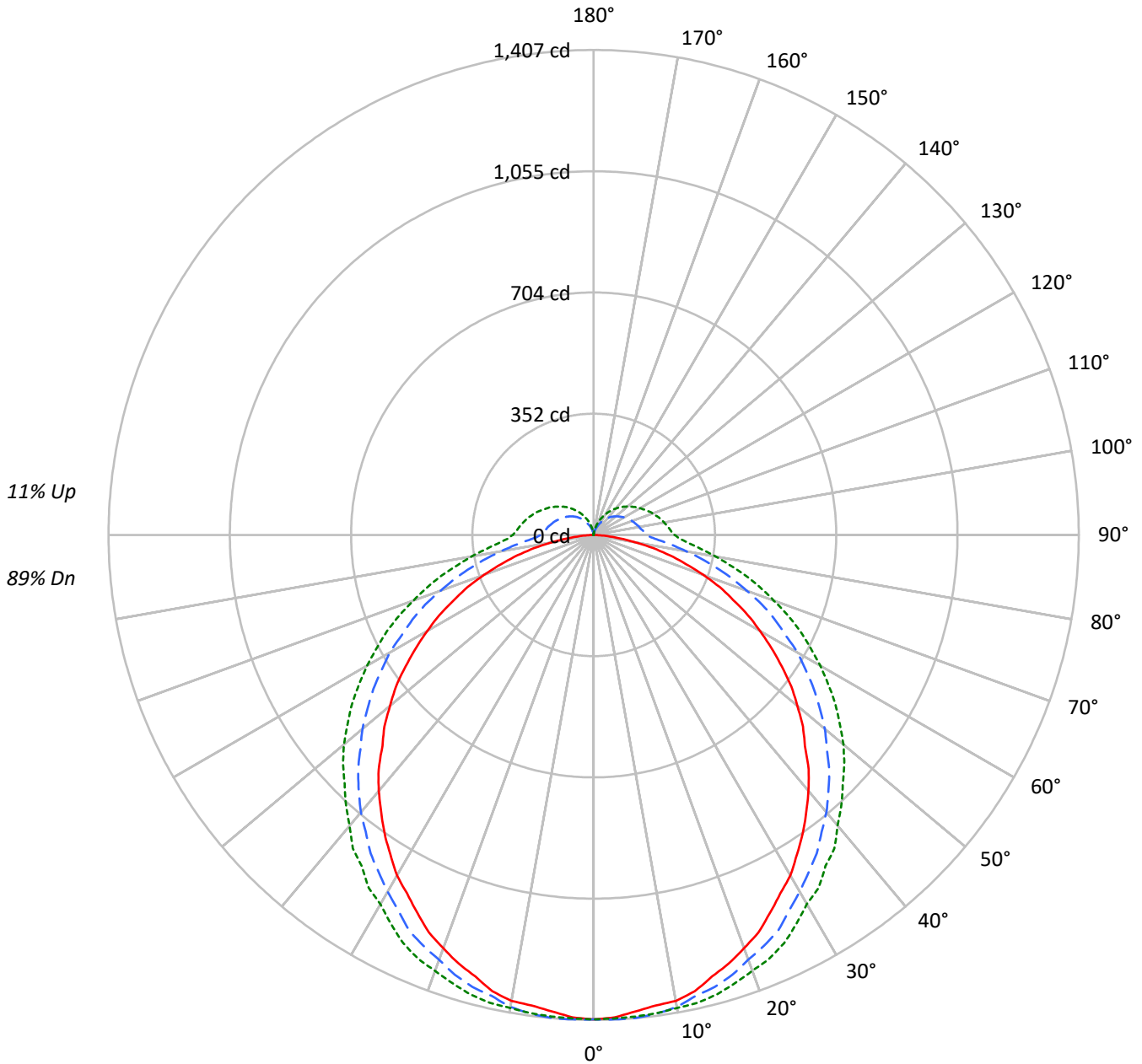
Lumens per Lamp: N/A
Luminaire Lumens: 4905.0 lumens
Efficiency: N/A
Efficacy: 122.6 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.31 / 1.4
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 3.71' x H: 0.12')
CIE Type: Semi-Direct

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

TEST NUMBER: P709725

CATALOG NUMBER: 4AWS-L3C3-SQR-UNV-3500K-MID

Luminous Intensity Polar Plot





TEST NUMBER: P709725

CATALOG NUMBER: 4AWS-L3C3-SQR-UNV-3500K-MID

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°	8865	8865	8865
5°	8761	8749	8682
10°	8741	8592	8532
15°	8586	8399	8423
20°	8462	8185	8249
25°	8294	8038	8109
30°	8158	7772	7828
35°	7962	7582	7634
40°	7771	7364	7436
45°	7485	7140	7227
50°	7282	6887	7077
55°	7002	6615	6856
60°	6655	6335	6593
65°	6233	5987	6333
70°	5718	5545	5968
75°	4969	5068	5643
80°	3760	4537	5252
85°	2129	4170	5049



TEST NUMBER: P709725

CATALOG NUMBER: 4AWS-L3C3-SQR-UNV-3500K-MID

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.3	2.7
10°-20°	382.4	7.8
20°-30°	579.9	11.8
30°-40°	701.9	14.3
40°-50°	739.0	15.1
50°-60°	688.3	14.0
60°-70°	561.4	11.4
70°-80°	378.5	7.7
80°-90°	203.4	4.1
90°-100°	141.0	2.9
100°-110°	120.7	2.5
110°-120°	98.5	2.0
120°-130°	74.8	1.5
130°-140°	51.8	1.1
140°-150°	30.9	0.6
150°-160°	14.4	0.3
160°-170°	4.2	0.1
170°-180°	0.4	0.0
0°-30°	1095.6	22.3
0°-40°	1797.6	36.6
0°-60°	3224.8	65.7
0°-90°	4368.2	89.1
90°-120°	360.2	7.3
90°-150°	517.7	10.6
90°-180°	537.0	10.9
0°-180°	4905.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1406	1406	1406	1406	1406	
5°	1388	1402	1407	1407	1402	132
15°	1326	1341	1358	1370	1380	375
25°	1210	1234	1267	1278	1307	558
35°	1058	1083	1128	1160	1172	661
45°	866	908	966	1008	1022	672
55°	666	714	780	829	856	596
65°	447	502	580	636	662	444
75°	228	288	369	429	457	241
85°	40	110	194	255	278	51
90°	2	70	152	212	234	2
95°	0	64	143	199	220	0
105°	0	57	126	176	196	0
115°	2	49	109	152	169	1
125°	2	40	93	128	142	1
135°	2	31	75	103	115	1
145°	3	21	54	76	85	2
155°	3	12	31	49	54	1
165°	3	6	13	21	25	1
175°	3	3	3	3	3	0
180°	2	2	2	2	2	



TEST NUMBER: P709725

CATALOG NUMBER: 4AWS-L3C3-SQR-UNV-3500K-MID

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1405.5	1405.5	1405.5	1405.5	1405.5
2.5°	1401.0	1402.5	1407.0	1411.5	1404.0
5°	1387.6	1402.5	1407.0	1407.0	1402.5
7.5°	1377.1	1390.6	1401.0	1398.0	1399.5
10°	1372.6	1380.1	1390.6	1398.0	1393.5
12.5°	1356.2	1360.7	1369.6	1381.6	1390.6
15°	1326.3	1341.3	1357.7	1369.6	1380.1
17.5°	1303.9	1317.4	1338.3	1348.7	1363.7
20°	1275.5	1290.5	1311.4	1333.8	1345.7
22.5°	1248.7	1262.1	1290.5	1305.4	1330.8
25°	1209.8	1233.7	1266.6	1278.5	1306.9
27.5°	1172.5	1199.4	1227.7	1260.6	1272.6
30°	1141.1	1160.5	1194.9	1223.3	1236.7
32.5°	1097.8	1124.7	1160.5	1194.9	1214.3
35°	1057.5	1082.9	1127.7	1160.5	1172.5
37.5°	1012.7	1041.0	1085.9	1124.7	1147.1
40°	969.4	1000.7	1050.0	1087.3	1100.8
42.5°	923.1	955.9	1008.2	1051.5	1063.5
45°	866.3	908.1	966.4	1008.2	1021.6
47.5°	823.0	861.8	917.1	966.4	985.8
50°	770.7	814.0	875.3	920.1	945.5
52.5°	722.9	763.2	826.0	869.3	899.2
55°	666.2	713.9	779.7	829.0	855.8
57.5°	610.9	660.2	728.9	779.7	806.5
60°	557.1	607.9	682.6	733.4	758.8
62.5°	504.8	558.6	625.8	687.1	708.0
65°	446.6	501.9	579.5	636.3	661.7
67.5°	395.8	445.1	528.7	581.0	609.4
70°	337.6	395.8	472.0	531.7	555.6
72.5°	280.8	342.0	421.2	482.4	506.3
75°	228.5	288.3	368.9	428.7	457.0
77.5°	176.2	237.5	319.6	380.9	404.8
80°	122.5	189.7	271.8	333.1	358.5
82.5°	77.7	146.4	231.5	289.8	313.7
85°	40.3	110.5	194.2	255.4	277.8
87.5°	13.4	83.6	167.3	227.0	249.4
90°	1.5	70.2	152.3	212.1	234.5
92.5°	0.0	67.2	147.9	204.6	225.5
95°	0.0	64.2	143.4	198.7	219.6
97.5°	0.0	62.7	137.4	192.7	213.6
100°	0.0	59.7	134.4	188.2	207.6
102.5°	0.0	58.3	129.9	182.2	201.6
105°	0.0	56.8	125.5	176.2	195.7



TEST NUMBER: P709725

CATALOG NUMBER: 4AWS-L3C3-SQR-UNV-3500K-MID

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.5	50.8	113.5	159.8	176.2
115°	1.5	49.3	109.0	152.3	168.8
117.5°	1.5	46.3	106.0	146.4	161.3
120°	1.5	44.8	101.6	141.9	155.3
122.5°	1.5	43.3	97.1	134.4	149.4
125°	1.5	40.3	92.6	128.5	141.9
127.5°	1.5	37.3	88.1	122.5	134.4
130°	1.5	35.8	83.6	115.0	128.5
132.5°	1.5	32.9	79.2	110.5	121.0
135°	1.5	31.4	74.7	103.1	115.0
137.5°	1.5	28.4	70.2	97.1	107.5
140°	1.5	25.4	64.2	91.1	100.1
142.5°	1.5	23.9	59.7	83.6	92.6
145°	3.0	20.9	53.8	76.2	85.1
147.5°	3.0	19.4	47.8	70.2	77.7
150°	3.0	16.4	41.8	62.7	70.2
152.5°	3.0	14.9	37.3	55.3	62.7
155°	3.0	11.9	31.4	49.3	53.8
157.5°	3.0	10.5	26.9	41.8	47.8
160°	3.0	9.0	22.4	35.8	40.3
162.5°	3.0	7.5	17.9	28.4	32.9
165°	3.0	6.0	13.4	20.9	25.4
167.5°	3.0	4.5	10.5	14.9	19.4
170°	3.0	4.5	7.5	10.5	14.9
172.5°	3.0	3.0	4.5	6.0	9.0
175°	3.0	3.0	3.0	3.0	3.0
177.5°	3.0	3.0	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	53.8	122.5	170.3	188.2
110°	1.5	52.3	118.0	164.3	182.2



(END OF REPORT)