

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: P709766

Luminaire Tested: **4AWS-L3C39-UNV-5000K-LOW**

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709766
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2307-090-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4AWS-L3C39-UNV-5000K-LOW
Description: 4foot, Adapt Surface Wrap with, RD lens and LOW lumen setting,
5000K, 90CRI

Light Source: -
Ballast/Driver: -

Summary

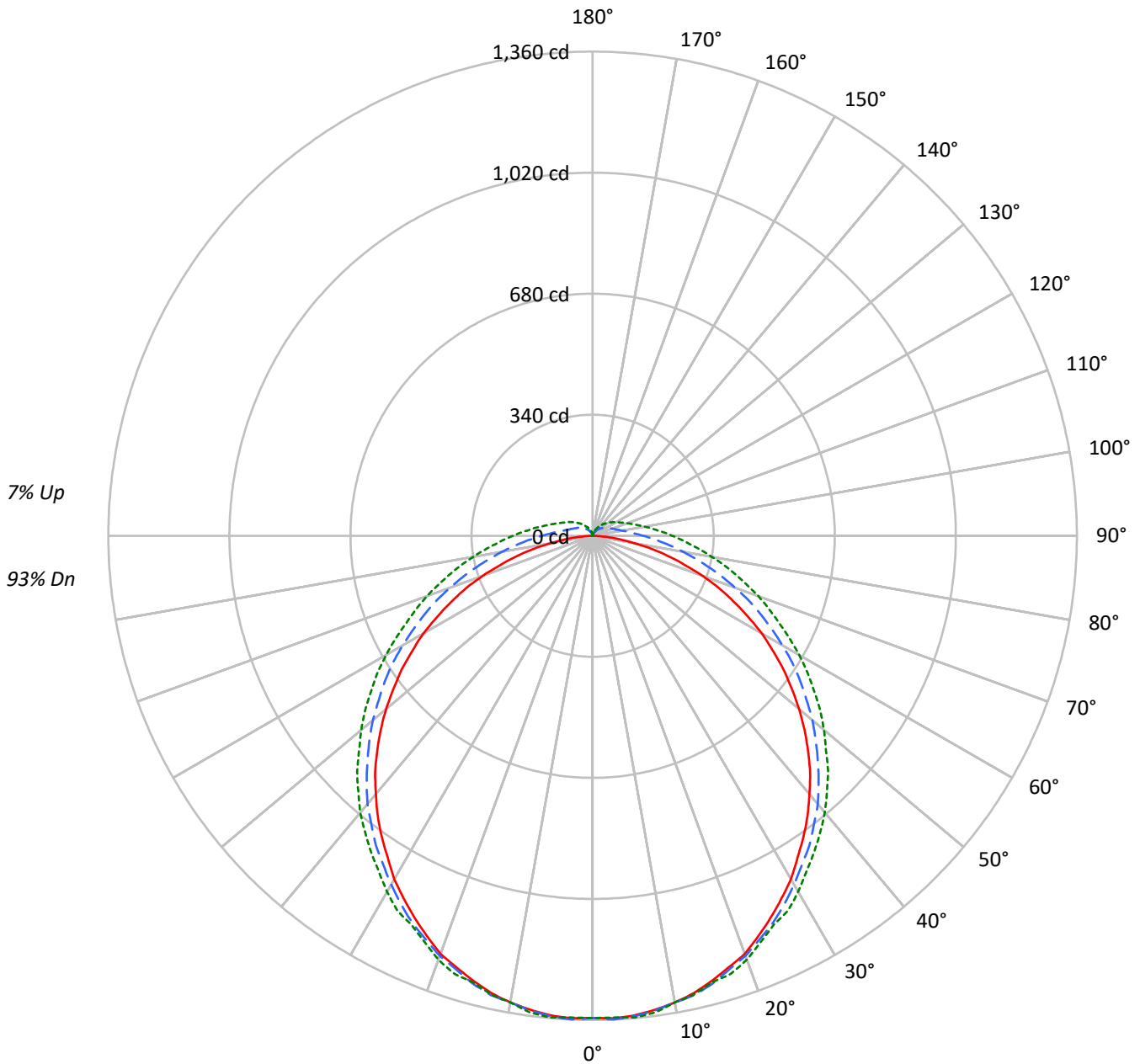
Lumens per Lamp: N/A
Luminaire Lumens: 4386.9 lumens
Efficiency: N/A
Efficacy: 129.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 3.71' x H: 0.12')
CIE Type: Direct

Input Watts (W): 34
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: P709766

CATALOG NUMBER: 4AWS-L3C39-UNV-5000K-LOW

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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	96	96	96	93
1	106	101	96	92	102	98	93	89	92	89	85	87	84	81	82	80	78	78	78	78	75
2	96	87	80	74	93	85	78	72	80	74	70	76	71	67	71	68	64	64	64	64	62
3	87	76	68	61	84	74	66	60	70	63	58	66	61	56	63	58	54	54	54	54	52
4	80	67	58	51	77	65	57	51	62	55	49	59	53	48	56	51	46	46	46	46	44
5	73	60	51	44	71	58	50	43	56	48	42	53	46	41	50	45	40	40	40	40	38
6	68	54	45	38	65	53	44	38	50	43	37	48	41	36	46	40	35	35	35	35	33
7	63	49	40	34	60	48	39	33	46	38	33	43	37	32	42	36	31	31	31	31	29
8	58	45	36	30	56	44	35	30	42	34	29	40	33	29	38	32	28	28	28	28	26
9	54	41	33	27	53	40	32	27	38	31	26	37	30	26	35	29	25	25	25	25	23
10	51	38	30	24	49	37	29	24	35	29	24	34	28	23	33	27	23	23	23	23	21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8543	8543	8543
5°	8539	8422	8408
10°	8477	8224	8150
15°	8379	8054	7922
20°	8290	7835	7767
25°	8115	7610	7476
30°	7963	7358	7308
35°	7772	7136	7062
40°	7590	6900	6855
45°	7394	6609	6617
50°	7150	6336	6347
55°	6873	6042	6078
60°	6559	5709	5816
65°	6093	5372	5515
70°	5553	4992	5315
75°	4769	4612	5103
80°	3634	4309	4975
85°	2150	4125	5007



TEST NUMBER: P709766

CATALOG NUMBER: 4AWS-L3C39-UNV-5000K-LOW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.5	2.9
10°-20°	366.6	8.4
20°-30°	551.7	12.6
30°-40°	662.5	15.1
40°-50°	689.9	15.7
50°-60°	633.9	14.4
60°-70°	509.1	11.6
70°-80°	347.1	7.9
80°-90°	197.3	4.5
90°-100°	110.5	2.5
100°-110°	69.9	1.6
110°-120°	47.7	1.1
120°-130°	32.8	0.7
130°-140°	20.8	0.5
140°-150°	11.6	0.3
150°-160°	5.3	0.1
160°-170°	1.7	0.0
170°-180°	0.2	0.0
0°-30°	1046.8	23.9
0°-40°	1709.3	39.0
0°-60°	3033.0	69.1
0°-90°	4086.4	93.2
90°-120°	228.1	5.2
90°-150°	293.3	6.7
90°-180°	300.0	6.8
0°-180°	4386.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1354	1354	1354	1354	1354	
5°	1352	1354	1354	1356	1358	128
15°	1294	1292	1302	1306	1298	365
25°	1184	1184	1199	1211	1205	546
35°	1032	1038	1061	1077	1085	646
45°	856	865	894	922	935	660
55°	654	673	712	745	759	584
65°	437	470	520	559	576	433
75°	219	266	336	392	413	232
85°	41	105	192	254	276	50
90°	2	62	142	200	223	2
95°	0	39	107	161	180	0
105°	0	25	68	107	122	0
115°	0	19	50	78	87	0
125°	2	14	39	58	66	1
135°	2	12	29	43	48	1
145°	2	8	19	29	31	1
155°	2	6	12	18	19	1
165°	2	4	6	8	10	1
175°	2	2	2	2	2	0
180°	2	2	2	2	2	



TEST NUMBER: P709766

CATALOG NUMBER: 4AWS-L3C39-UNV-5000K-LOW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1354.4	1354.4	1354.4	1354.4	1354.4
2.5°	1356.3	1354.4	1360.2	1358.3	1354.4
5°	1352.5	1354.4	1354.4	1356.3	1358.3
7.5°	1342.8	1338.9	1344.7	1350.5	1350.5
10°	1331.1	1327.2	1331.1	1335.0	1331.1
12.5°	1315.6	1307.8	1321.4	1321.4	1319.5
15°	1294.3	1292.3	1302.0	1305.9	1298.1
17.5°	1271.0	1276.8	1276.8	1284.6	1290.4
20°	1249.6	1245.7	1255.4	1261.3	1267.1
22.5°	1216.6	1214.7	1226.3	1236.0	1234.1
25°	1183.6	1183.6	1199.2	1210.8	1205.0
27.5°	1148.7	1148.7	1166.2	1177.8	1187.5
30°	1113.8	1117.7	1131.3	1146.8	1154.5
32.5°	1071.1	1080.8	1094.4	1115.7	1117.7
35°	1032.3	1038.1	1061.4	1076.9	1084.7
37.5°	991.5	993.5	1020.7	1042.0	1049.8
40°	946.9	950.8	983.8	1003.2	1014.8
42.5°	904.2	908.1	939.2	964.4	974.1
45°	855.7	865.4	894.5	921.7	935.3
47.5°	807.2	820.8	849.9	880.9	888.7
50°	756.8	770.3	805.3	830.5	848.0
52.5°	704.4	721.8	756.8	789.7	805.3
55°	653.9	673.3	712.1	745.1	758.7
57.5°	599.6	622.9	665.6	700.5	716.0
60°	549.1	568.5	615.1	652.0	669.4
62.5°	490.9	516.1	566.6	607.3	622.9
65°	436.6	469.6	520.0	558.8	576.3
67.5°	384.2	417.2	473.5	514.2	535.6
70°	327.9	364.8	424.9	471.5	494.8
72.5°	269.7	312.4	380.3	432.7	452.1
75°	219.3	265.8	335.7	392.0	413.3
77.5°	168.8	217.3	294.9	353.2	376.4
80°	118.4	172.7	258.1	318.2	339.6
82.5°	77.6	137.8	223.1	283.3	306.6
85°	40.7	104.8	192.1	254.2	275.5
87.5°	13.6	79.6	164.9	227.0	248.4
90°	1.9	62.1	141.6	199.9	223.1
92.5°	0.0	48.5	122.2	180.5	201.8
95°	0.0	38.8	106.7	161.1	180.5
97.5°	0.0	33.0	95.1	143.6	164.9
100°	0.0	29.1	83.4	130.0	147.5
102.5°	0.0	27.2	75.7	116.4	133.9
105°	0.0	25.2	67.9	106.7	122.2



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CATALOG NUMBER: 4AWS-L3C39-UNV-5000K-LOW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	19.4	54.3	83.4	95.1
115°	0.0	19.4	50.5	77.6	87.3
117.5°	0.0	17.5	48.5	71.8	81.5
120°	0.0	15.5	44.6	67.9	77.6
122.5°	0.0	15.5	40.7	64.0	71.8
125°	1.9	13.6	38.8	58.2	66.0
127.5°	1.9	13.6	36.9	54.3	62.1
130°	1.9	11.6	33.0	50.5	56.3
132.5°	1.9	11.6	31.0	46.6	52.4
135°	1.9	11.6	29.1	42.7	48.5
137.5°	1.9	9.7	25.2	38.8	44.6
140°	1.9	9.7	23.3	34.9	40.7
142.5°	1.9	9.7	21.3	31.0	36.9
145°	1.9	7.8	19.4	29.1	31.0
147.5°	1.9	7.8	17.5	25.2	29.1
150°	1.9	5.8	15.5	21.3	25.2
152.5°	1.9	5.8	13.6	19.4	21.3
155°	1.9	5.8	11.6	17.5	19.4
157.5°	1.9	5.8	9.7	15.5	15.5
160°	1.9	3.9	7.8	11.6	13.6
162.5°	1.9	3.9	7.8	9.7	11.6
165°	1.9	3.9	5.8	7.8	9.7
167.5°	1.9	1.9	3.9	5.8	7.8
170°	1.9	1.9	3.9	3.9	5.8
172.5°	1.9	1.9	1.9	1.9	3.9
175°	1.9	1.9	1.9	1.9	1.9
177.5°	1.9	1.9	1.9	0.0	0.0
180°	1.9	1.9	1.9	1.9	1.9



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	23.3	64.0	97.0	112.5
110°	0.0	21.3	58.2	89.3	102.8



(END OF REPORT)