

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: P709767

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

Issue Date: 9/26/2023



Test Information

Test Method: LM-79-08
Report Number: P709767
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-MID
Description: 4foot, Adapt Surface Wrap with, RD lens and MID lumen setting,
5000K, 90CRI

Light Source: -
Ballast/Driver: -

Summary

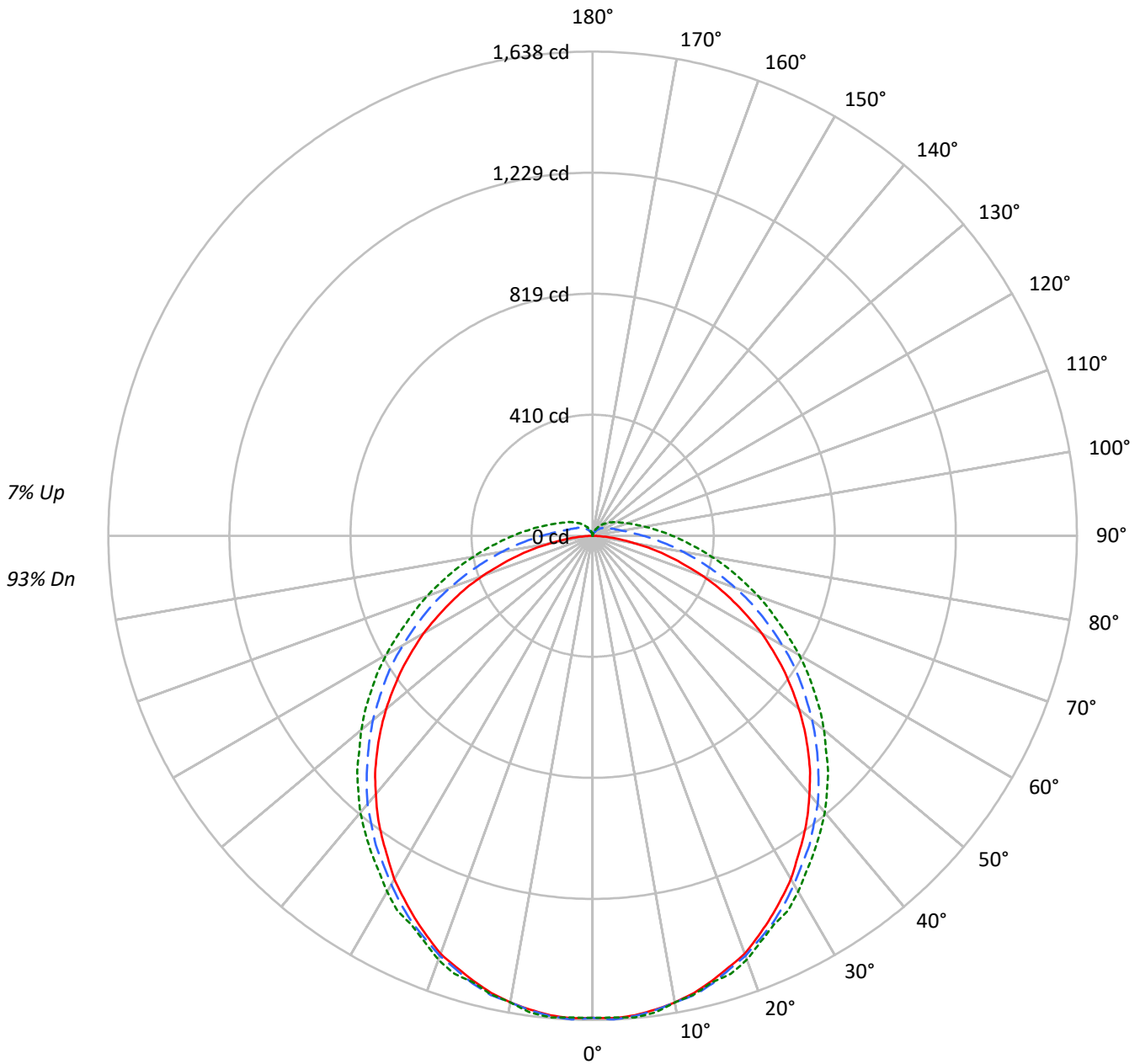
Lumens per Lamp: N/A
Luminaire Lumens: 5283.0 lumens
Efficiency: N/A
Efficacy: 128.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 3.71' x H: 0.12')
CIE Type: Direct

Input Watts (W): 41
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: P709767

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

Luminous Intensity Polar Plot





TEST NUMBER: P709767

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

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	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°	10287	10287	10287
5°	10283	10142	10125
10°	10208	9904	9815
15°	10090	9699	9541
20°	9983	9436	9354
25°	9772	9164	9003
30°	9590	8861	8800
35°	9360	8594	8504
40°	9141	8309	8255
45°	8904	7958	7968
50°	8610	7630	7643
55°	8277	7276	7320
60°	7899	6875	7005
65°	7338	6469	6642
70°	6688	6012	6401
75°	5741	5555	6145
80°	4374	5188	5990
85°	2594	4967	6030



TEST NUMBER: P709767

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.8	2.9
10°-20°	441.5	8.4
20°-30°	664.3	12.6
30°-40°	797.8	15.1
40°-50°	830.8	15.7
50°-60°	763.3	14.4
60°-70°	613.1	11.6
70°-80°	418.0	7.9
80°-90°	237.6	4.5
90°-100°	133.0	2.5
100°-110°	84.2	1.6
110°-120°	57.5	1.1
120°-130°	39.5	0.7
130°-140°	25.1	0.5
140°-150°	14.0	0.3
150°-160°	6.3	0.1
160°-170°	2.0	0.0
170°-180°	0.3	0.0
0°-30°	1260.6	23.9
0°-40°	2058.4	39.0
0°-60°	3652.5	69.1
0°-90°	4921.1	93.2
90°-120°	274.7	5.2
90°-150°	353.3	6.7
90°-180°	362.0	6.9
0°-180°	5283.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1631	1631	1631	1631	1631	
5°	1629	1631	1631	1633	1636	155
15°	1559	1556	1568	1573	1563	440
25°	1425	1425	1444	1458	1451	657
35°	1243	1250	1278	1297	1306	778
45°	1030	1042	1077	1110	1126	795
55°	788	811	858	897	914	703
65°	526	566	626	673	694	521
75°	264	320	404	472	498	280
85°	49	126	231	306	332	60
90°	2	75	171	241	269	3
95°	0	47	128	194	217	0
105°	0	30	82	128	147	0
115°	0	23	61	94	105	0
125°	2	16	47	70	79	1
135°	2	14	35	51	58	2
145°	2	9	23	35	37	1
155°	2	7	14	21	23	1
165°	2	5	7	9	12	1
175°	2	2	2	2	2	0
180°	2	2	2	2	2	



TEST NUMBER: P709767

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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1631.0	1631.0	1631.0	1631.0	1631.0
2.5°	1633.4	1631.0	1638.0	1635.7	1631.0
5°	1628.7	1631.0	1631.0	1633.4	1635.7
7.5°	1617.0	1612.3	1619.3	1626.4	1626.4
10°	1603.0	1598.3	1603.0	1607.7	1603.0
12.5°	1584.3	1574.9	1591.3	1591.3	1589.0
15°	1558.6	1556.3	1567.9	1572.6	1563.3
17.5°	1530.6	1537.6	1537.6	1546.9	1553.9
20°	1504.8	1500.2	1511.9	1518.9	1525.9
22.5°	1465.1	1462.8	1476.8	1488.5	1486.2
25°	1425.4	1425.4	1444.1	1458.1	1451.1
27.5°	1383.3	1383.3	1404.4	1418.4	1430.1
30°	1341.3	1345.9	1362.3	1381.0	1390.3
32.5°	1289.9	1301.6	1317.9	1343.6	1345.9
35°	1243.1	1250.1	1278.2	1296.9	1306.2
37.5°	1194.1	1196.4	1229.1	1254.8	1264.2
40°	1140.3	1145.0	1184.7	1208.1	1222.1
42.5°	1088.9	1093.6	1131.0	1161.3	1173.0
45°	1030.5	1042.2	1077.2	1109.9	1126.3
47.5°	972.1	988.4	1023.5	1060.9	1070.2
50°	911.3	927.7	969.7	1000.1	1021.1
52.5°	848.2	869.3	911.3	951.0	969.7
55°	787.5	810.8	857.6	897.3	913.7
57.5°	722.0	750.1	801.5	843.6	862.2
60°	661.3	684.7	740.7	785.1	806.2
62.5°	591.2	621.6	682.3	731.4	750.1
65°	525.8	565.5	626.2	673.0	694.0
67.5°	462.7	502.4	570.2	619.2	644.9
70°	394.9	439.3	511.7	567.8	595.9
72.5°	324.8	376.2	458.0	521.1	544.5
75°	264.0	320.1	404.3	472.0	497.7
77.5°	203.3	261.7	355.2	425.3	453.3
80°	142.5	208.0	310.8	383.2	408.9
82.5°	93.5	165.9	268.7	341.2	369.2
85°	49.1	126.2	231.3	306.1	331.8
87.5°	16.4	95.8	198.6	273.4	299.1
90°	2.3	74.8	170.6	240.7	268.7
92.5°	0.0	58.4	147.2	217.3	243.0
95°	0.0	46.7	128.5	193.9	217.3
97.5°	0.0	39.7	114.5	172.9	198.6
100°	0.0	35.1	100.5	156.6	177.6
102.5°	0.0	32.7	91.1	140.2	161.2
105°	0.0	30.4	81.8	128.5	147.2



TEST NUMBER: P709767

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

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	23.4	65.4	100.5	114.5
115°	0.0	23.4	60.8	93.5	105.2
117.5°	0.0	21.0	58.4	86.5	98.1
120°	0.0	18.7	53.7	81.8	93.5
122.5°	0.0	18.7	49.1	77.1	86.5
125°	2.3	16.4	46.7	70.1	79.4
127.5°	2.3	16.4	44.4	65.4	74.8
130°	2.3	14.0	39.7	60.8	67.8
132.5°	2.3	14.0	37.4	56.1	63.1
135°	2.3	14.0	35.1	51.4	58.4
137.5°	2.3	11.7	30.4	46.7	53.7
140°	2.3	11.7	28.0	42.1	49.1
142.5°	2.3	11.7	25.7	37.4	44.4
145°	2.3	9.3	23.4	35.1	37.4
147.5°	2.3	9.3	21.0	30.4	35.1
150°	2.3	7.0	18.7	25.7	30.4
152.5°	2.3	7.0	16.4	23.4	25.7
155°	2.3	7.0	14.0	21.0	23.4
157.5°	2.3	7.0	11.7	18.7	18.7
160°	2.3	4.7	9.3	14.0	16.4
162.5°	2.3	4.7	9.3	11.7	14.0
165°	2.3	4.7	7.0	9.3	11.7
167.5°	2.3	2.3	4.7	7.0	9.3
170°	2.3	2.3	4.7	4.7	7.0
172.5°	2.3	2.3	2.3	2.3	4.7
175°	2.3	2.3	2.3	2.3	2.3
177.5°	2.3	2.3	2.3	0.0	0.0
180°	2.3	2.3	2.3	2.3	2.3



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	28.0	77.1	116.8	135.5
110°	0.0	25.7	70.1	107.5	123.8



(END OF REPORT)