

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: P709871

Luminaire Tested: **4AWWS-L3C39-UNV-4000K-LOW**

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709871
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2307-090-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4AWS-L3C39-UNV-4000K-LOW
Description: 4foot, Wide Adapt Surface Wrap with, RD lens and LOW lumen setting,
4000K, 90CRI

Light Source: -
Ballast/Driver: -

Summary

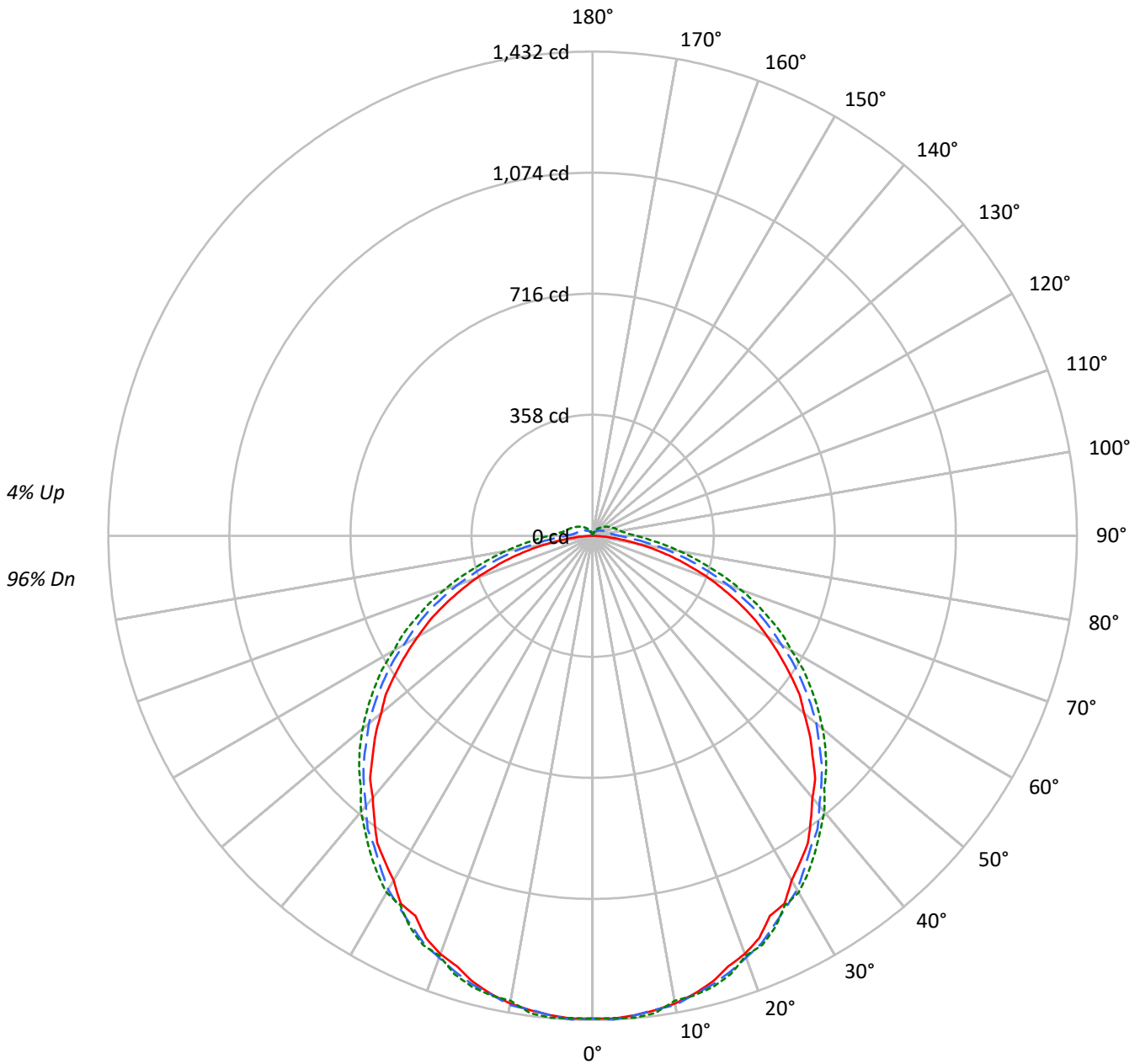
Lumens per Lamp: N/A
Luminaire Lumens: 4404.0 lumens
Efficiency: N/A
Efficacy: 137.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.27 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 3.71' x H: 0.17')
CIE Type: Direct

Input Watts (W): 32
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: P709871

CATALOG NUMBER: 4AWWS-L3C39-UNV-4000K-LOW

Luminous Intensity Polar Plot





TEST NUMBER: P709871

CATALOG NUMBER: 4AWWS-L3C39-UNV-4000K-LOW

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	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96																			
1	107	102	97	93	104	99	95	91	94	91	88	90	87	84	85	83	81	79																			
2	97	89	81	76	94	86	80	74	82	77	72	78	74	70	74	71	67	65																			
3	88	78	69	62	85	76	68	62	72	65	60	69	63	58	66	61	57	54																			
4	81	69	60	53	78	67	59	52	64	57	51	61	55	50	58	53	49	46																			
5	74	61	52	45	72	60	51	45	57	50	44	55	48	43	52	47	42	40																			
6	68	55	46	39	66	54	45	39	52	44	38	49	43	38	47	42	37	35																			
7	63	50	41	35	61	49	40	34	47	39	34	45	38	33	43	37	33	31																			
8	59	45	37	31	57	45	36	31	43	35	30	41	35	30	40	34	29	27																			
9	55	42	33	28	53	41	33	28	39	32	27	38	32	27	37	31	26	25																			
10	52	38	30	25	50	38	30	25	36	29	25	35	29	24	34	28	24	22																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4991	4991	4991
5°	4975	4919	4932
10°	4947	4850	4783
15°	4885	4745	4736
20°	4815	4639	4576
25°	4683	4525	4498
30°	4629	4426	4399
35°	4589	4268	4276
40°	4443	4142	4149
45°	4346	4023	4007
50°	4209	3877	3881
55°	4072	3684	3721
60°	3868	3448	3503
65°	3646	3236	3309
70°	3315	2923	3044
75°	2825	2538	2719
80°	2128	2113	2427
85°	1132	1690	2166



TEST NUMBER: P709871

CATALOG NUMBER: 4AWWS-L3C39-UNV-4000K-LOW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.5	3.1
10°-20°	387.3	8.8
20°-30°	584.4	13.3
30°-40°	705.3	16.0
40°-50°	735.0	16.7
50°-60°	673.7	15.3
60°-70°	528.3	12.0
70°-80°	326.6	7.4
80°-90°	138.5	3.1
90°-100°	60.7	1.4
100°-110°	43.1	1.0
110°-120°	32.3	0.7
120°-130°	23.0	0.5
130°-140°	15.2	0.3
140°-150°	9.0	0.2
150°-160°	4.3	0.1
160°-170°	1.4	0.0
170°-180°	0.2	0.0
0°-30°	1107.3	25.1
0°-40°	1812.6	41.2
0°-60°	3221.4	73.1
0°-90°	4214.8	95.7
90°-120°	136.0	3.1
90°-150°	183.2	4.2
90°-180°	189.0	4.3
0°-180°	4404.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1428	1428	1428	1428	1428	
5°	1424	1426	1424	1424	1431	135
15°	1366	1369	1373	1378	1381	385
25°	1240	1262	1270	1272	1278	577
35°	1110	1114	1124	1143	1146	690
45°	919	931	958	972	977	710
55°	712	730	758	773	789	636
65°	484	503	540	561	576	478
75°	245	271	312	347	355	260
85°	43	77	128	165	180	55
90°	3	33	79	113	128	3
95°	0	22	57	86	99	0
105°	0	16	43	66	74	0
115°	0	13	34	53	60	0
125°	0	12	27	40	47	0
135°	0	9	22	30	36	0
145°	1	7	16	22	24	1
155°	1	4	10	14	16	1
165°	1	3	4	7	7	0
175°	1	1	1	1	3	0
180°	1	1	1	1	1	



TEST NUMBER: P709871

CATALOG NUMBER: 4AWWS-L3C39-UNV-4000K-LOW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1427.8	1427.8	1427.8	1427.8	1427.8
2.5°	1429.3	1435.0	1432.1	1429.3	1427.8
5°	1423.5	1426.4	1423.5	1423.5	1430.7
7.5°	1415.0	1419.2	1413.5	1422.1	1423.5
10°	1404.9	1410.7	1409.2	1412.1	1396.3
12.5°	1387.7	1394.9	1389.2	1396.3	1392.0
15°	1366.3	1369.1	1373.4	1377.7	1380.6
17.5°	1334.8	1347.6	1351.9	1356.2	1359.1
20°	1316.1	1323.3	1327.6	1326.2	1321.9
22.5°	1287.5	1291.8	1304.7	1301.8	1310.4
25°	1240.2	1261.7	1270.3	1271.7	1277.5
27.5°	1227.3	1228.8	1238.8	1247.4	1231.6
30°	1177.2	1194.4	1208.7	1213.0	1218.7
32.5°	1142.8	1157.2	1165.8	1181.5	1184.4
35°	1109.9	1114.2	1124.2	1142.8	1145.7
37.5°	1059.8	1072.7	1092.7	1102.7	1104.2
40°	1011.1	1026.8	1042.6	1054.1	1065.5
42.5°	973.9	982.4	1001.1	1015.4	1014.0
45°	919.4	930.9	958.1	972.4	976.7
47.5°	870.7	887.9	908.0	929.5	933.8
50°	816.3	834.9	863.6	879.3	887.9
52.5°	770.5	781.9	810.6	826.3	839.2
55°	711.8	730.4	757.6	773.4	789.1
57.5°	654.5	677.4	704.6	730.4	739.0
60°	597.2	620.1	644.5	673.1	678.8
62.5°	542.8	567.1	592.9	621.5	633.0
65°	484.1	502.7	539.9	561.4	575.7
67.5°	422.5	445.4	481.2	505.5	522.7
70°	365.2	391.0	425.3	455.4	465.4
72.5°	302.2	333.7	366.6	398.1	412.5
75°	244.9	270.7	312.2	346.6	355.2
77.5°	190.5	214.8	259.2	293.6	306.5
80°	133.2	163.3	210.5	244.9	260.6
82.5°	84.5	116.0	164.7	201.9	219.1
85°	43.0	77.3	127.5	164.7	180.4
87.5°	14.3	48.7	97.4	136.1	151.8
90°	2.9	32.9	78.8	113.1	127.5
92.5°	0.0	24.3	65.9	97.4	110.3
95°	0.0	21.5	57.3	85.9	98.8
97.5°	0.0	20.0	53.0	78.8	88.8
100°	0.0	18.6	48.7	73.0	83.1
102.5°	0.0	17.2	45.8	68.7	78.8
105°	0.0	15.8	43.0	65.9	74.5



TEST NUMBER: P709871

CATALOG NUMBER: 4AWWS-L3C39-UNV-4000K-LOW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	14.3	37.2	54.4	63.0
115°	0.0	12.9	34.4	53.0	60.1
117.5°	0.0	12.9	32.9	48.7	55.9
120°	0.0	11.5	30.1	45.8	53.0
122.5°	0.0	11.5	28.6	44.4	50.1
125°	0.0	11.5	27.2	40.1	47.3
127.5°	0.0	10.0	25.8	38.7	43.0
130°	0.0	10.0	24.3	35.8	40.1
132.5°	0.0	8.6	22.9	32.9	37.2
135°	0.0	8.6	21.5	30.1	35.8
137.5°	0.0	8.6	20.0	28.6	31.5
140°	0.0	7.2	18.6	25.8	30.1
142.5°	1.4	7.2	15.8	24.3	27.2
145°	1.4	7.2	15.8	21.5	24.3
147.5°	1.4	5.7	14.3	20.0	22.9
150°	1.4	5.7	12.9	17.2	20.0
152.5°	1.4	4.3	11.5	15.8	17.2
155°	1.4	4.3	10.0	14.3	15.8
157.5°	1.4	4.3	8.6	11.5	12.9
160°	1.4	2.9	7.2	10.0	11.5
162.5°	1.4	2.9	5.7	8.6	10.0
165°	1.4	2.9	4.3	7.2	7.2
167.5°	1.4	2.9	4.3	5.7	5.7
170°	1.4	1.4	2.9	4.3	4.3
172.5°	1.4	1.4	2.9	2.9	2.9
175°	1.4	1.4	1.4	1.4	2.9
177.5°	1.4	1.4	1.4	1.4	1.4
180°	1.4	1.4	1.4	1.4	1.4



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	15.8	41.5	61.6	70.2
110°	0.0	14.3	38.7	58.7	67.3



(END OF REPORT)