

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: P709737

Luminaire Tested: **4AWS-L3C3-UNV-4000K-MID**

Issue Date: 9/26/2023



Test Information

Test Method: LM-79-08
Report Number: P709737
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-L3C3-UNV-4000K-MID
Description: 4foot, Adapt Surface Wrap with, RD lens and MID lumen setting,
4000K, 80CRI

Light Source: -
Ballast/Driver: -

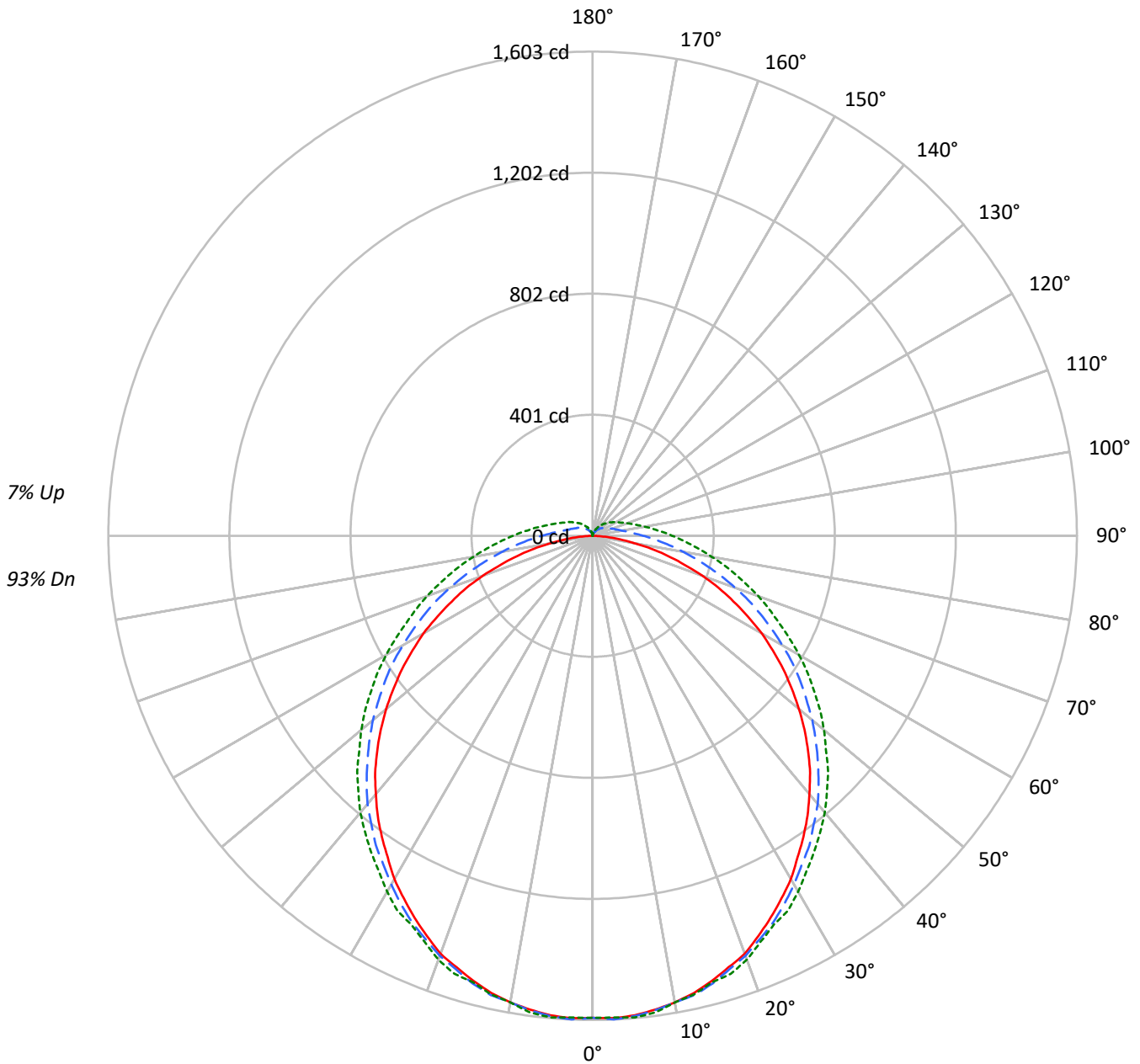
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5170.0 lumens
Efficiency: N/A
Efficacy: 136.1 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): 38
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				
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°	10067	10067	10067
5°	10063	9925	9908
10°	9990	9692	9605
15°	9874	9492	9337
20°	9770	9234	9153
25°	9563	8968	8811
30°	9384	8672	8612
35°	9159	8410	8322
40°	8945	8131	8079
45°	8714	7788	7797
50°	8426	7467	7480
55°	8100	7120	7163
60°	7730	6728	6854
65°	7180	6331	6500
70°	6546	5884	6264
75°	5619	5435	6015
80°	4282	5076	5863
85°	2536	4862	5901



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.5	2.9
10°-20°	432.1	8.4
20°-30°	650.1	12.6
30°-40°	780.7	15.1
40°-50°	813.0	15.7
50°-60°	747.0	14.4
60°-70°	599.9	11.6
70°-80°	409.0	7.9
80°-90°	232.5	4.5
90°-100°	130.2	2.5
100°-110°	82.4	1.6
110°-120°	56.3	1.1
120°-130°	38.6	0.7
130°-140°	24.6	0.5
140°-150°	13.7	0.3
150°-160°	6.2	0.1
160°-170°	2.0	0.0
170°-180°	0.3	0.0
0°-30°	1233.7	23.9
0°-40°	2014.4	39.0
0°-60°	3574.4	69.1
0°-90°	4815.8	93.1
90°-120°	268.9	5.2
90°-150°	345.7	6.7
90°-180°	354.0	6.8
0°-180°	5170.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1596	1596	1596	1596	1596	
5°	1594	1596	1596	1598	1601	151
15°	1525	1523	1534	1539	1530	430
25°	1395	1395	1413	1427	1420	643
35°	1216	1223	1251	1269	1278	761
45°	1008	1020	1054	1086	1102	778
55°	771	794	839	878	894	688
65°	514	553	613	659	679	510
75°	258	313	396	462	487	274
85°	48	124	226	300	325	59
90°	2	73	167	236	263	3
95°	0	46	126	190	213	0
105°	0	30	80	126	144	0
115°	0	23	60	92	103	0
125°	2	16	46	69	78	1
135°	2	14	34	50	57	2
145°	2	9	23	34	37	1
155°	2	7	14	21	23	1
165°	2	5	7	9	11	1
175°	2	2	2	2	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1596.1	1596.1	1596.1	1596.1	1596.1
2.5°	1598.4	1596.1	1603.0	1600.7	1596.1
5°	1593.9	1596.1	1596.1	1598.4	1600.7
7.5°	1582.4	1577.8	1584.7	1591.6	1591.6
10°	1568.7	1564.1	1568.7	1573.3	1568.7
12.5°	1550.4	1541.3	1557.3	1557.3	1555.0
15°	1525.3	1523.0	1534.4	1539.0	1529.8
17.5°	1497.8	1504.7	1504.7	1513.8	1520.7
20°	1472.7	1468.1	1479.5	1486.4	1493.2
22.5°	1433.8	1431.5	1445.2	1456.7	1454.4
25°	1394.9	1394.9	1413.2	1426.9	1420.1
27.5°	1353.7	1353.7	1374.3	1388.0	1399.5
30°	1312.6	1317.2	1333.2	1351.5	1360.6
32.5°	1262.3	1273.7	1289.7	1314.9	1317.2
35°	1216.5	1223.4	1250.8	1269.1	1278.3
37.5°	1168.5	1170.8	1202.8	1228.0	1237.1
40°	1115.9	1120.5	1159.4	1182.2	1196.0
42.5°	1065.6	1070.2	1106.8	1136.5	1147.9
45°	1008.5	1019.9	1054.2	1086.2	1102.2
47.5°	951.3	967.3	1001.6	1038.2	1047.3
50°	891.8	907.8	949.0	978.7	999.3
52.5°	830.1	850.7	891.8	930.7	949.0
55°	770.6	793.5	839.2	878.1	894.1
57.5°	706.6	734.0	784.4	825.5	843.8
60°	647.1	670.0	724.9	768.3	788.9
62.5°	578.5	608.3	667.7	715.7	734.0
65°	514.5	553.4	612.8	658.6	679.2
67.5°	452.8	491.6	558.0	606.0	631.1
70°	386.5	429.9	500.8	555.7	583.1
72.5°	317.9	368.2	448.2	509.9	532.8
75°	258.4	313.3	395.6	461.9	487.1
77.5°	198.9	256.1	347.6	416.2	443.6
80°	139.5	203.5	304.1	375.0	400.2
82.5°	91.5	162.4	263.0	333.9	361.3
85°	48.0	123.5	226.4	299.6	324.7
87.5°	16.0	93.8	194.4	267.5	292.7
90°	2.3	73.2	166.9	235.5	263.0
92.5°	0.0	57.2	144.1	212.7	237.8
95°	0.0	45.7	125.8	189.8	212.7
97.5°	0.0	38.9	112.1	169.2	194.4
100°	0.0	34.3	98.3	153.2	173.8
102.5°	0.0	32.0	89.2	137.2	157.8
105°	0.0	29.7	80.0	125.8	144.1



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CATALOG NUMBER: 4AWS-L3C3-UNV-4000K-MID

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	22.9	64.0	98.3	112.1
115°	0.0	22.9	59.5	91.5	102.9
117.5°	0.0	20.6	57.2	84.6	96.0
120°	0.0	18.3	52.6	80.0	91.5
122.5°	0.0	18.3	48.0	75.5	84.6
125°	2.3	16.0	45.7	68.6	77.7
127.5°	2.3	16.0	43.4	64.0	73.2
130°	2.3	13.7	38.9	59.5	66.3
132.5°	2.3	13.7	36.6	54.9	61.7
135°	2.3	13.7	34.3	50.3	57.2
137.5°	2.3	11.4	29.7	45.7	52.6
140°	2.3	11.4	27.4	41.2	48.0
142.5°	2.3	11.4	25.2	36.6	43.4
145°	2.3	9.1	22.9	34.3	36.6
147.5°	2.3	9.1	20.6	29.7	34.3
150°	2.3	6.9	18.3	25.2	29.7
152.5°	2.3	6.9	16.0	22.9	25.2
155°	2.3	6.9	13.7	20.6	22.9
157.5°	2.3	6.9	11.4	18.3	18.3
160°	2.3	4.6	9.1	13.7	16.0
162.5°	2.3	4.6	9.1	11.4	13.7
165°	2.3	4.6	6.9	9.1	11.4
167.5°	2.3	2.3	4.6	6.9	9.1
170°	2.3	2.3	4.6	4.6	6.9
172.5°	2.3	2.3	2.3	2.3	4.6
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	27.4	75.5	114.3	132.6
110°	0.0	25.2	68.6	105.2	121.2



(END OF REPORT)