

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: P709740

Luminaire Tested: **4AWS-L3C3-UNV-5000K-MID**

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709740
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-5000K-MID
Description: 4foot, Adapt Surface Wrap with, RD lens and MID lumen setting,
5000K, 80CRI

Light Source: -
Ballast/Driver: -

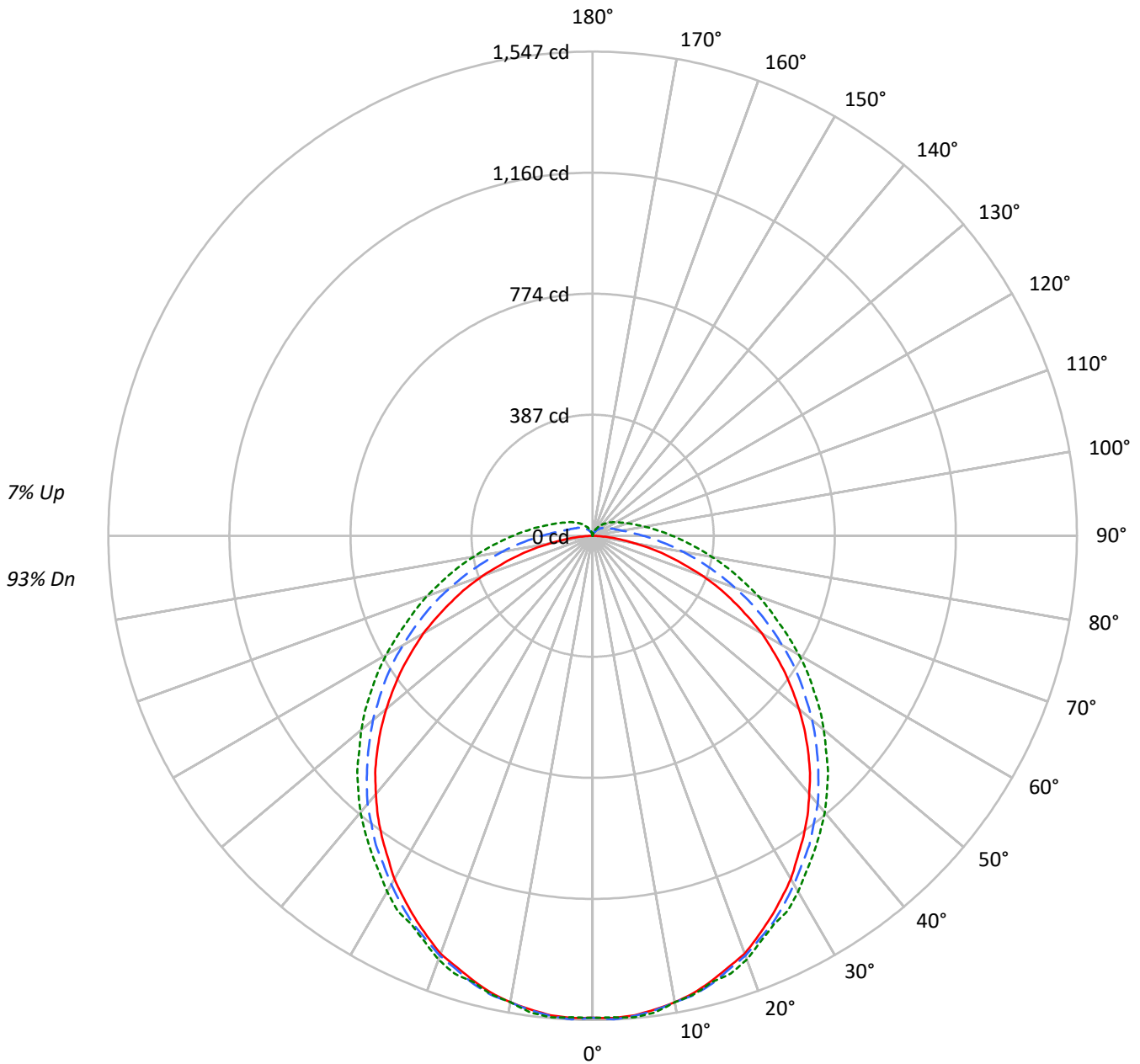
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4988.0 lumens
Efficiency: N/A
Efficacy: 124.7 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): 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

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Luminous Intensity Polar Plot





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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9713	9713	9713
5°	9708	9577	9560
10°	9638	9351	9267
15°	9527	9158	9008
20°	9425	8908	8831
25°	9227	8652	8501
30°	9054	8366	8309
35°	8837	8114	8029
40°	8630	7845	7794
45°	8407	7514	7523
50°	8129	7204	7216
55°	7815	6870	6911
60°	7459	6491	6614
65°	6928	6109	6271
70°	6315	5677	6043
75°	5421	5244	5802
80°	4131	4898	5656
85°	2446	4690	5694



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.1	2.9
10°-20°	416.9	8.4
20°-30°	627.2	12.6
30°-40°	753.3	15.1
40°-50°	784.4	15.7
50°-60°	720.7	14.4
60°-70°	578.8	11.6
70°-80°	394.6	7.9
80°-90°	224.3	4.5
90°-100°	125.6	2.5
100°-110°	79.5	1.6
110°-120°	54.3	1.1
120°-130°	37.3	0.7
130°-140°	23.7	0.5
140°-150°	13.2	0.3
150°-160°	6.0	0.1
160°-170°	1.9	0.0
170°-180°	0.2	0.0
0°-30°	1190.2	23.9
0°-40°	1943.5	39.0
0°-60°	3448.6	69.1
0°-90°	4646.3	93.2
90°-120°	259.4	5.2
90°-150°	333.5	6.7
90°-180°	342.0	6.9
0°-180°	4988.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1540	1540	1540	1540	1540	
5°	1538	1540	1540	1542	1544	146
15°	1472	1469	1480	1485	1476	415
25°	1346	1346	1364	1377	1370	620
35°	1174	1180	1207	1224	1233	734
45°	973	984	1017	1048	1063	750
55°	744	766	810	847	863	664
65°	496	534	591	635	655	492
75°	249	302	382	446	470	264
85°	46	119	218	289	313	57
90°	2	71	161	227	254	3
95°	0	44	121	183	205	0
105°	0	29	77	121	139	0
115°	0	22	57	88	99	0
125°	2	15	44	66	75	1
135°	2	13	33	48	55	2
145°	2	9	22	33	35	1
155°	2	7	13	20	22	1
165°	2	4	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°	1540.0	1540.0	1540.0	1540.0	1540.0
2.5°	1542.2	1540.0	1546.6	1544.4	1540.0
5°	1537.7	1540.0	1540.0	1542.2	1544.4
7.5°	1526.7	1522.3	1528.9	1535.5	1535.5
10°	1513.5	1509.1	1513.5	1517.9	1513.5
12.5°	1495.8	1487.0	1502.4	1502.4	1500.2
15°	1471.6	1469.4	1480.4	1484.8	1476.0
17.5°	1445.1	1451.7	1451.7	1460.5	1467.1
20°	1420.8	1416.4	1427.4	1434.1	1440.7
22.5°	1383.3	1381.1	1394.3	1405.4	1403.2
25°	1345.8	1345.8	1363.5	1376.7	1370.1
27.5°	1306.1	1306.1	1325.9	1339.2	1350.2
30°	1266.4	1270.8	1286.2	1303.9	1312.7
32.5°	1217.8	1228.9	1244.3	1268.6	1270.8
35°	1173.7	1180.3	1206.8	1224.5	1233.3
37.5°	1127.4	1129.6	1160.5	1184.7	1193.6
40°	1076.6	1081.1	1118.6	1140.6	1153.9
42.5°	1028.1	1032.5	1067.8	1096.5	1107.5
45°	973.0	984.0	1017.1	1048.0	1063.4
47.5°	917.8	933.2	966.3	1001.6	1010.5
50°	860.4	875.9	915.6	944.3	964.1
52.5°	800.9	820.7	860.4	897.9	915.6
55°	743.5	765.6	809.7	847.2	862.6
57.5°	681.7	708.2	756.7	796.5	814.1
60°	624.4	646.4	699.4	741.3	761.2
62.5°	558.2	586.9	644.2	690.6	708.2
65°	496.4	533.9	591.3	635.4	655.3
67.5°	436.8	474.3	538.3	584.7	608.9
70°	372.9	414.8	483.2	536.1	562.6
72.5°	306.7	355.2	432.4	492.0	514.1
75°	249.3	302.3	381.7	445.7	469.9
77.5°	191.9	247.1	335.3	401.5	428.0
80°	134.6	196.4	293.4	361.8	386.1
82.5°	88.2	156.6	253.7	322.1	348.6
85°	46.3	119.1	218.4	289.0	313.3
87.5°	15.4	90.5	187.5	258.1	282.4
90°	2.2	70.6	161.1	227.2	253.7
92.5°	0.0	55.2	139.0	205.2	229.4
95°	0.0	44.1	121.3	183.1	205.2
97.5°	0.0	37.5	108.1	163.3	187.5
100°	0.0	33.1	94.9	147.8	167.7
102.5°	0.0	30.9	86.0	132.4	152.2
105°	0.0	28.7	77.2	121.3	139.0



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CATALOG NUMBER: 4AWS-L3C3-UNV-5000K-MID

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	22.1	61.8	94.9	108.1
115°	0.0	22.1	57.4	88.2	99.3
117.5°	0.0	19.9	55.2	81.6	92.7
120°	0.0	17.6	50.7	77.2	88.2
122.5°	0.0	17.6	46.3	72.8	81.6
125°	2.2	15.4	44.1	66.2	75.0
127.5°	2.2	15.4	41.9	61.8	70.6
130°	2.2	13.2	37.5	57.4	64.0
132.5°	2.2	13.2	35.3	52.9	59.6
135°	2.2	13.2	33.1	48.5	55.2
137.5°	2.2	11.0	28.7	44.1	50.7
140°	2.2	11.0	26.5	39.7	46.3
142.5°	2.2	11.0	24.3	35.3	41.9
145°	2.2	8.8	22.1	33.1	35.3
147.5°	2.2	8.8	19.9	28.7	33.1
150°	2.2	6.6	17.6	24.3	28.7
152.5°	2.2	6.6	15.4	22.1	24.3
155°	2.2	6.6	13.2	19.9	22.1
157.5°	2.2	6.6	11.0	17.6	17.6
160°	2.2	4.4	8.8	13.2	15.4
162.5°	2.2	4.4	8.8	11.0	13.2
165°	2.2	4.4	6.6	8.8	11.0
167.5°	2.2	2.2	4.4	6.6	8.8
170°	2.2	2.2	4.4	4.4	6.6
172.5°	2.2	2.2	2.2	2.2	4.4
175°	2.2	2.2	2.2	2.2	2.2
177.5°	2.2	2.2	2.2	0.0	0.0
180°	2.2	2.2	2.2	2.2	2.2



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	26.5	72.8	110.3	128.0
110°	0.0	24.3	66.2	101.5	116.9



(END OF REPORT)