

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: P709763

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

Issue Date: 9/26/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P709763  
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-4000K-LOW  
Description: 4foot, Adapt Surface Wrap with, RD lens and LOW lumen setting,  
4000K, 90CRI  
  
Light Source: -  
Ballast/Driver: -

**Summary**

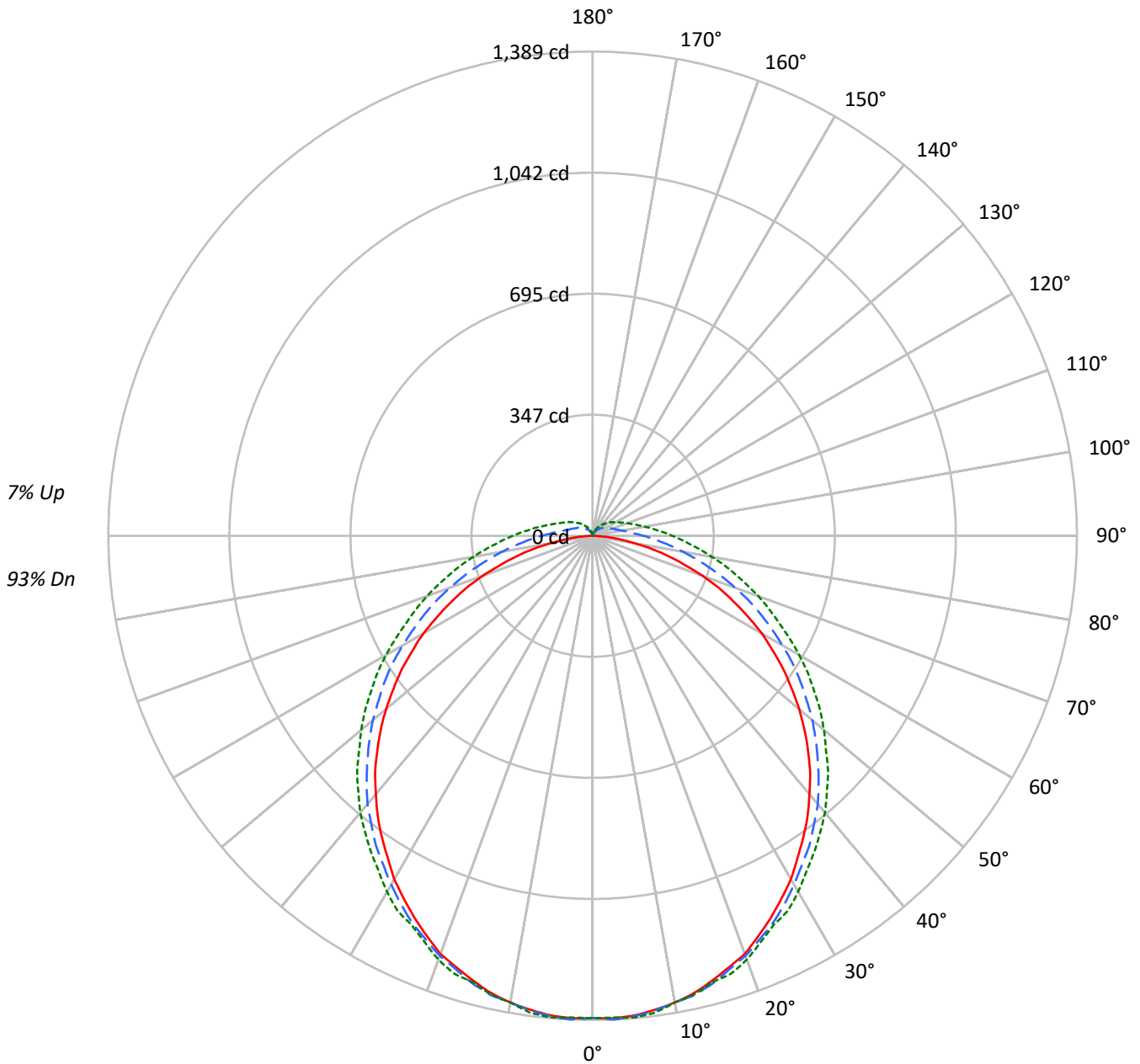
Lumens per Lamp: N/A  
Luminaire Lumens: 4481.0 lumens  
Efficiency: N/A  
Efficacy: 135.8 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 3.71' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 33  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	8725	8725	8725
5°	8721	8603	8588
10°	8658	8400	8325
15°	8558	8227	8092
20°	8468	8003	7933
25°	8289	7773	7637
30°	8134	7516	7465
35°	7939	7289	7213
40°	7753	7048	7002
45°	7552	6750	6758
50°	7303	6472	6483
55°	7020	6171	6209
60°	6700	5831	5941
65°	6223	5488	5634
70°	5674	5100	5429
75°	4871	4711	5213
80°	3711	4400	5080
85°	2198	4213	5114



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	131.3	2.9
10°-20°	374.5	8.4
20°-30°	563.5	12.6
30°-40°	676.7	15.1
40°-50°	704.6	15.7
50°-60°	647.4	14.4
60°-70°	520.0	11.6
70°-80°	354.5	7.9
80°-90°	201.5	4.5
90°-100°	112.8	2.5
100°-110°	71.4	1.6
110°-120°	48.7	1.1
120°-130°	33.5	0.7
130°-140°	21.3	0.5
140°-150°	11.8	0.3
150°-160°	5.4	0.1
160°-170°	1.7	0.0
170°-180°	0.2	0.0
0°-30°	1069.2	23.9
0°-40°	1745.9	39.0
0°-60°	3098.0	69.1
0°-90°	4174.0	93.1
90°-120°	233.0	5.2
90°-150°	299.6	6.7
90°-180°	307.0	6.9
0°-180°	4481.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1383	1383	1383	1383	1383	
5°	1381	1383	1383	1385	1387	131
15°	1322	1320	1330	1334	1326	373
25°	1209	1209	1225	1237	1231	557
35°	1054	1060	1084	1100	1108	660
45°	874	884	914	941	955	674
55°	668	688	727	761	775	596
65°	446	480	531	571	589	442
75°	224	272	343	400	422	237
85°	42	107	196	260	281	51
90°	2	63	145	204	228	2
95°	0	40	109	164	184	0
105°	0	26	69	109	125	0
115°	0	20	52	79	89	0
125°	2	14	40	60	67	1
135°	2	12	30	44	50	2
145°	2	8	20	30	32	1
155°	2	6	12	18	20	1
165°	2	4	6	8	10	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°	1383.4	1383.4	1383.4	1383.4	1383.4
2.5°	1385.4	1383.4	1389.4	1387.4	1383.4
5°	1381.4	1383.4	1383.4	1385.4	1387.4
7.5°	1371.5	1367.6	1373.5	1379.5	1379.5
10°	1359.6	1355.7	1359.6	1363.6	1359.6
12.5°	1343.8	1335.9	1349.7	1349.7	1347.8
15°	1322.0	1320.0	1329.9	1333.9	1325.9
17.5°	1298.2	1304.1	1304.1	1312.1	1318.0
20°	1276.4	1272.4	1282.3	1288.3	1294.2
22.5°	1242.7	1240.7	1252.6	1262.5	1260.5
25°	1209.0	1209.0	1224.9	1236.8	1230.8
27.5°	1173.3	1173.3	1191.2	1203.1	1213.0
30°	1137.7	1141.6	1155.5	1171.4	1179.3
32.5°	1094.1	1104.0	1117.8	1139.6	1141.6
35°	1054.4	1060.4	1084.1	1100.0	1107.9
37.5°	1012.8	1014.8	1042.5	1064.3	1072.3
40°	967.2	971.2	1004.9	1024.7	1036.6
42.5°	923.6	927.6	959.3	985.0	995.0
45°	874.1	884.0	913.7	941.4	955.3
47.5°	824.5	838.4	868.1	899.8	907.7
50°	773.0	786.8	822.5	848.3	866.1
52.5°	719.5	737.3	773.0	806.7	822.5
55°	667.9	687.7	727.4	761.1	775.0
57.5°	612.4	636.2	679.8	715.5	731.4
60°	560.9	580.7	628.3	665.9	683.8
62.5°	501.4	527.2	578.7	620.4	636.2
65°	445.9	479.6	531.2	570.8	588.7
67.5°	392.4	426.1	483.6	525.2	547.0
70°	335.0	372.6	434.1	481.6	505.4
72.5°	275.5	319.1	388.5	442.0	461.8
75°	224.0	271.5	342.9	400.4	422.2
77.5°	172.4	222.0	301.3	360.7	384.5
80°	120.9	176.4	263.6	325.0	346.8
82.5°	79.3	140.7	227.9	289.4	313.2
85°	41.6	107.0	196.2	259.6	281.4
87.5°	13.9	81.3	168.5	231.9	253.7
90°	2.0	63.4	144.7	204.1	227.9
92.5°	0.0	49.5	124.9	184.3	206.1
95°	0.0	39.6	109.0	164.5	184.3
97.5°	0.0	33.7	97.1	146.7	168.5
100°	0.0	29.7	85.2	132.8	150.6
102.5°	0.0	27.7	77.3	118.9	136.8
105°	0.0	25.8	69.4	109.0	124.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	19.8	55.5	85.2	97.1
115°	0.0	19.8	51.5	79.3	89.2
117.5°	0.0	17.8	49.5	73.3	83.2
120°	0.0	15.9	45.6	69.4	79.3
122.5°	0.0	15.9	41.6	65.4	73.3
125°	2.0	13.9	39.6	59.5	67.4
127.5°	2.0	13.9	37.7	55.5	63.4
130°	2.0	11.9	33.7	51.5	57.5
132.5°	2.0	11.9	31.7	47.6	53.5
135°	2.0	11.9	29.7	43.6	49.5
137.5°	2.0	9.9	25.8	39.6	45.6
140°	2.0	9.9	23.8	35.7	41.6
142.5°	2.0	9.9	21.8	31.7	37.7
145°	2.0	7.9	19.8	29.7	31.7
147.5°	2.0	7.9	17.8	25.8	29.7
150°	2.0	5.9	15.9	21.8	25.8
152.5°	2.0	5.9	13.9	19.8	21.8
155°	2.0	5.9	11.9	17.8	19.8
157.5°	2.0	5.9	9.9	15.9	15.9
160°	2.0	4.0	7.9	11.9	13.9
162.5°	2.0	4.0	7.9	9.9	11.9
165°	2.0	4.0	5.9	7.9	9.9
167.5°	2.0	2.0	4.0	5.9	7.9
170°	2.0	2.0	4.0	4.0	5.9
172.5°	2.0	2.0	2.0	2.0	4.0
175°	2.0	2.0	2.0	2.0	2.0
177.5°	2.0	2.0	2.0	0.0	0.0
180°	2.0	2.0	2.0	2.0	2.0



Report Generated By 670246072 / DESKTOP-MV3F9LC







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







107.5°	0.0	23.8	65.4	99.1	115.0
110°	0.0	21.8	59.5	91.2	105.0



(END OF REPORT)