

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: P709765

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

Issue Date: 9/26/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P709765  
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-HI  
Description: 4foot, Adapt Surface Wrap with, RD lens and HI lumen setting,  
5000K, 90CRI  
  
Light Source: -  
Ballast/Driver: -

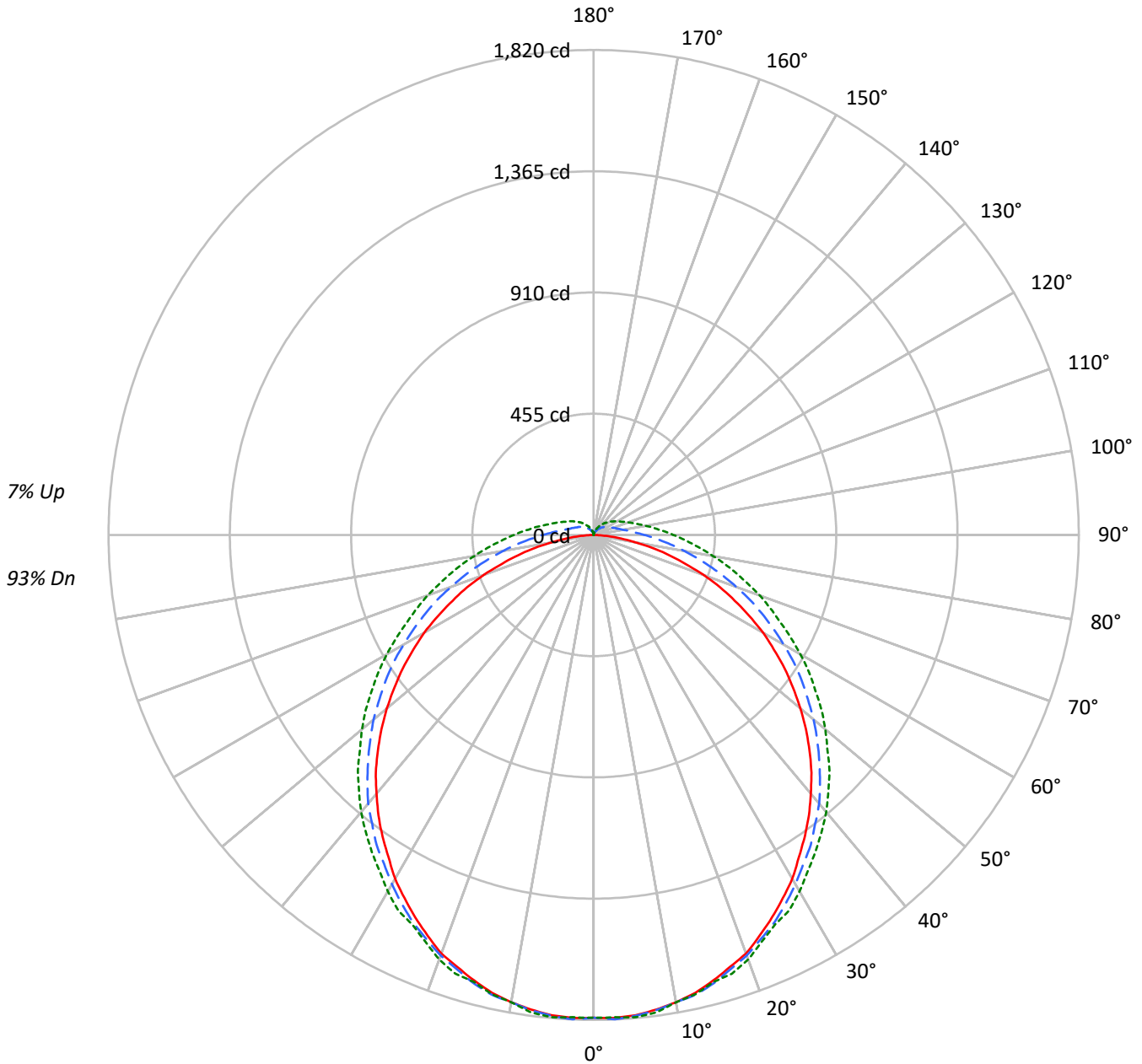
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5869.0 lumens  
Efficiency: N/A  
Efficacy: 119.8 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): 49  
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°	11428	11428	11428
5°	11424	11267	11248
10°	11341	11003	10904
15°	11209	10775	10599
20°	11091	10482	10391
25°	10856	10180	10002
30°	10653	9844	9777
35°	10398	9548	9447
40°	10155	9230	9171
45°	9891	8841	8851
50°	9565	8476	8491
55°	9195	8083	8132
60°	8775	7638	7782
65°	8152	7187	7379
70°	7430	6679	7111
75°	6378	6170	6827
80°	4862	5764	6655
85°	2879	5519	6699



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	171.9	2.9
10°-20°	490.5	8.4
20°-30°	738.0	12.6
30°-40°	886.3	15.1
40°-50°	922.9	15.7
50°-60°	848.0	14.4
60°-70°	681.0	11.6
70°-80°	464.3	7.9
80°-90°	263.9	4.5
90°-100°	147.8	2.5
100°-110°	93.5	1.6
110°-120°	63.9	1.1
120°-130°	43.9	0.7
130°-140°	27.9	0.5
140°-150°	15.5	0.3
150°-160°	7.1	0.1
160°-170°	2.2	0.0
170°-180°	0.3	0.0
0°-30°	1400.5	23.9
0°-40°	2286.7	39.0
0°-60°	4057.7	69.1
0°-90°	5466.9	93.1
90°-120°	305.2	5.2
90°-150°	392.5	6.7
90°-180°	402.0	6.8
0°-180°	5869.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1812	1812	1812	1812	1812	
5°	1809	1812	1812	1814	1817	172
15°	1732	1729	1742	1747	1737	489
25°	1584	1584	1604	1620	1612	730
35°	1381	1389	1420	1441	1451	864
45°	1145	1158	1197	1233	1251	883
55°	875	901	953	997	1015	781
65°	584	628	696	748	771	579
75°	293	356	449	524	553	311
85°	54	140	257	340	369	67
90°	3	83	190	267	298	3
95°	0	52	143	216	241	0
105°	0	34	91	143	164	0
115°	0	26	68	104	117	0
125°	3	18	52	78	88	1
135°	3	16	39	57	65	2
145°	3	10	26	39	42	2
155°	3	8	16	23	26	1
165°	3	5	8	10	13	1
175°	3	3	3	3	3	0
180°	3	3	3	3	3	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1811.9	1811.9	1811.9	1811.9	1811.9
2.5°	1814.5	1811.9	1819.7	1817.1	1811.9
5°	1809.4	1811.9	1811.9	1814.5	1817.1
7.5°	1796.4	1791.2	1799.0	1806.8	1806.8
10°	1780.8	1775.6	1780.8	1786.0	1780.8
12.5°	1760.0	1749.6	1767.8	1767.8	1765.2
15°	1731.5	1728.9	1741.9	1747.0	1736.7
17.5°	1700.3	1708.1	1708.1	1718.5	1726.3
20°	1671.8	1666.6	1679.6	1687.3	1695.1
22.5°	1627.6	1625.0	1640.6	1653.6	1651.0
25°	1583.5	1583.5	1604.3	1619.8	1612.1
27.5°	1536.8	1536.8	1560.1	1575.7	1588.7
30°	1490.1	1495.2	1513.4	1534.2	1544.6
32.5°	1432.9	1445.9	1464.1	1492.6	1495.2
35°	1381.0	1388.8	1420.0	1440.7	1451.1
37.5°	1326.5	1329.1	1365.4	1394.0	1404.4
40°	1266.8	1272.0	1316.1	1342.1	1357.7
42.5°	1209.7	1214.9	1256.4	1290.2	1303.1
45°	1144.8	1157.8	1196.7	1233.1	1251.2
47.5°	1079.9	1098.1	1137.0	1178.5	1188.9
50°	1012.4	1030.6	1077.3	1111.1	1134.4
52.5°	942.3	965.7	1012.4	1056.5	1077.3
55°	874.8	900.8	952.7	996.8	1015.0
57.5°	802.1	833.3	890.4	937.1	957.9
60°	734.6	760.6	822.9	872.2	895.6
62.5°	656.8	690.5	758.0	812.5	833.3
65°	584.1	628.2	695.7	747.6	771.0
67.5°	514.0	558.1	633.4	687.9	716.5
70°	438.7	488.0	568.5	630.8	662.0
72.5°	360.8	417.9	508.8	578.9	604.8
75°	293.3	355.6	449.1	524.4	552.9
77.5°	225.8	290.7	394.6	472.5	503.6
80°	158.4	231.0	345.3	425.7	454.3
82.5°	103.8	184.3	298.5	379.0	410.2
85°	54.5	140.2	257.0	340.1	368.6
87.5°	18.2	106.4	220.7	303.7	332.3
90°	2.6	83.1	189.5	267.4	298.5
92.5°	0.0	64.9	163.5	241.4	270.0
95°	0.0	51.9	142.8	215.5	241.4
97.5°	0.0	44.1	127.2	192.1	220.7
100°	0.0	38.9	111.6	173.9	197.3
102.5°	0.0	36.3	101.2	155.8	179.1
105°	0.0	33.7	90.9	142.8	163.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	26.0	72.7	111.6	127.2
115°	0.0	26.0	67.5	103.8	116.8
117.5°	0.0	23.4	64.9	96.0	109.0
120°	0.0	20.8	59.7	90.9	103.8
122.5°	0.0	20.8	54.5	85.7	96.0
125°	2.6	18.2	51.9	77.9	88.3
127.5°	2.6	18.2	49.3	72.7	83.1
130°	2.6	15.6	44.1	67.5	75.3
132.5°	2.6	15.6	41.5	62.3	70.1
135°	2.6	15.6	38.9	57.1	64.9
137.5°	2.6	13.0	33.7	51.9	59.7
140°	2.6	13.0	31.2	46.7	54.5
142.5°	2.6	13.0	28.6	41.5	49.3
145°	2.6	10.4	26.0	38.9	41.5
147.5°	2.6	10.4	23.4	33.7	38.9
150°	2.6	7.8	20.8	28.6	33.7
152.5°	2.6	7.8	18.2	26.0	28.6
155°	2.6	7.8	15.6	23.4	26.0
157.5°	2.6	7.8	13.0	20.8	20.8
160°	2.6	5.2	10.4	15.6	18.2
162.5°	2.6	5.2	10.4	13.0	15.6
165°	2.6	5.2	7.8	10.4	13.0
167.5°	2.6	2.6	5.2	7.8	10.4
170°	2.6	2.6	5.2	5.2	7.8
172.5°	2.6	2.6	2.6	2.6	5.2
175°	2.6	2.6	2.6	2.6	2.6
177.5°	2.6	2.6	2.6	0.0	0.0
180°	2.6	2.6	2.6	2.6	2.6



Report Generated By 670246072 / DESKTOP-MV3F9LC







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







107.5°	0.0	31.2	85.7	129.8	150.6
110°	0.0	28.6	77.9	119.4	137.6



(END OF REPORT)