

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: P709775

Luminaire Tested: **8AWS-L3C3-HO-UNV-5000K-LOW**

Issue Date: 9/26/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P709775  
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: 8AWS-L3C3-HO-UNV-5000K-LOW  
Description: 8foot, Adapt Surface Wrap with, RD lens and LOW lumen setting,  
5000K, 80CRI  
  
Light Source: -  
Ballast/Driver: -

**Summary**

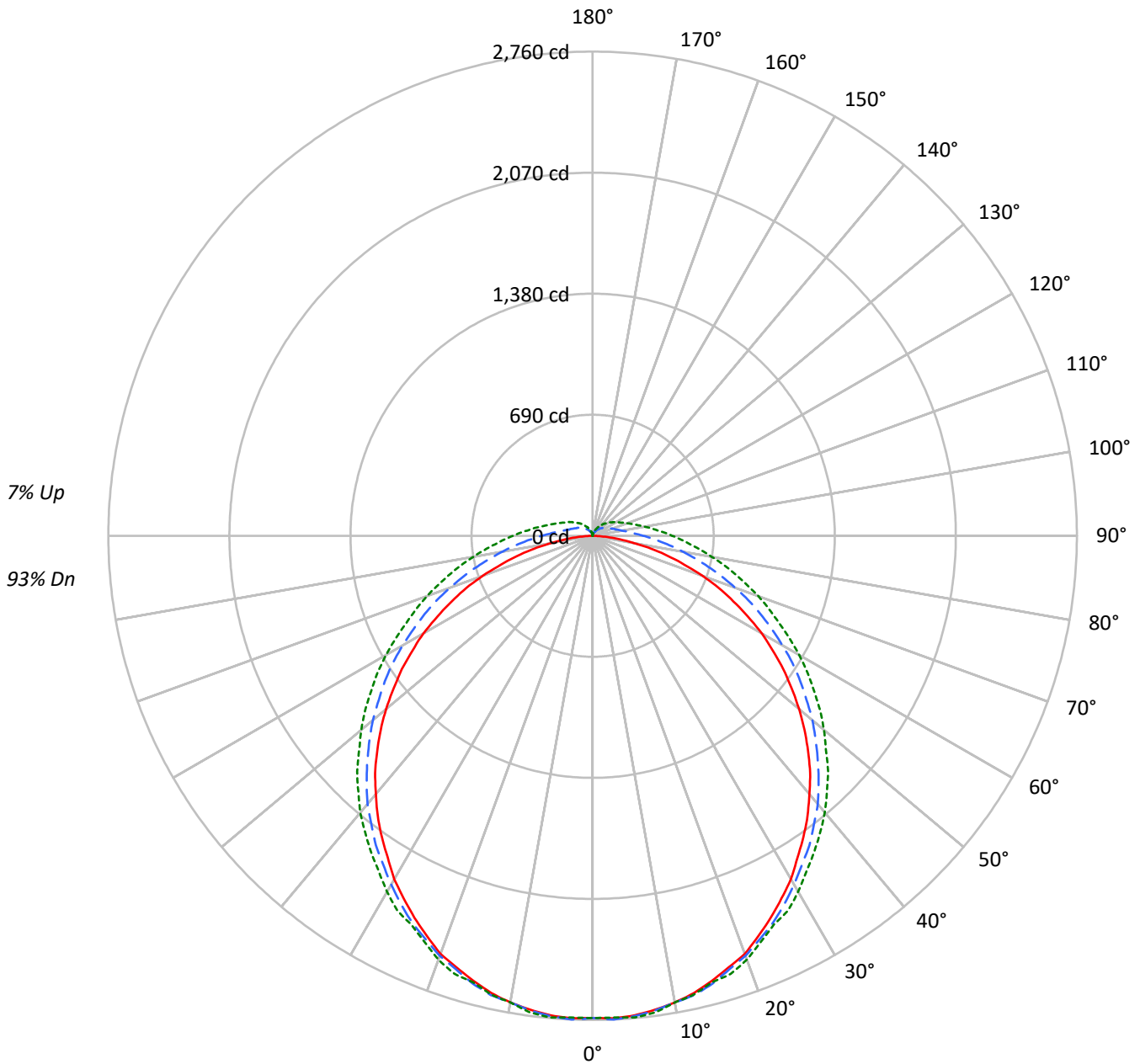
Lumens per Lamp: N/A  
Luminaire Lumens: 8903.0 lumens  
Efficiency: N/A  
Efficacy: 159.0 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 7.42' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 56  
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°	8668	8668	8668
5°	8677	8555	8531
10°	8626	8362	8270
15°	8538	8197	8039
20°	8461	7981	7881
25°	8296	7759	7586
30°	8155	7511	7415
35°	7975	7292	7166
40°	7805	7059	6956
45°	7622	6770	6714
50°	7392	6500	6441
55°	7132	6209	6168
60°	6837	5879	5902
65°	6390	5546	5596
70°	5875	5169	5394
75°	5114	4795	5179
80°	3996	4505	5047
85°	2526	4354	5082



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	260.8	2.9
10°-20°	744.1	8.4
20°-30°	1119.5	12.6
30°-40°	1344.5	15.1
40°-50°	1400.0	15.7
50°-60°	1286.4	14.4
60°-70°	1033.1	11.6
70°-80°	704.4	7.9
80°-90°	400.3	4.5
90°-100°	224.2	2.5
100°-110°	141.9	1.6
110°-120°	96.8	1.1
120°-130°	66.5	0.7
130°-140°	42.3	0.5
140°-150°	23.5	0.3
150°-160°	10.7	0.1
160°-170°	3.4	0.0
170°-180°	0.4	0.0
0°-30°	2124.4	23.9
0°-40°	3468.9	39.0
0°-60°	6155.3	69.1
0°-90°	8293.1	93.1
90°-120°	462.9	5.2
90°-150°	595.3	6.7
90°-180°	610.0	6.9
0°-180°	8903.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2749	2749	2749	2749	2749	
5°	2745	2749	2749	2753	2756	260
15°	2627	2623	2642	2650	2634	741
25°	2402	2402	2434	2457	2445	1107
35°	2095	2107	2154	2186	2201	1311
45°	1737	1756	1815	1870	1898	1339
55°	1327	1366	1445	1512	1540	1185
65°	886	953	1055	1134	1170	879
75°	445	540	681	796	839	471
85°	83	213	390	516	559	102
90°	4	126	288	406	453	5
95°	0	79	217	327	366	0
105°	0	51	138	217	248	0
115°	0	39	102	158	177	0
125°	4	28	79	118	134	2
135°	4	24	59	87	98	3
145°	4	16	39	59	63	2
155°	4	12	24	35	39	2
165°	4	8	12	16	20	1
175°	4	4	4	4	4	0
180°	4	4	4	4	4	



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CATALOG NUMBER: 8AWS-L3C3-HO-UNV-5000K-LOW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2748.6	2748.6	2748.6	2748.6	2748.6
2.5°	2752.6	2748.6	2760.5	2756.5	2748.6
5°	2744.7	2748.6	2748.6	2752.6	2756.5
7.5°	2725.0	2717.1	2728.9	2740.8	2740.8
10°	2701.4	2693.5	2701.4	2709.3	2701.4
12.5°	2669.9	2654.1	2681.7	2681.7	2677.8
15°	2626.6	2622.6	2642.3	2650.2	2634.4
17.5°	2579.3	2591.1	2591.1	2606.9	2618.7
20°	2536.0	2528.1	2547.8	2559.6	2571.4
22.5°	2469.0	2465.1	2488.7	2508.4	2504.5
25°	2402.1	2402.1	2433.6	2457.2	2445.4
27.5°	2331.2	2331.2	2366.7	2390.3	2410.0
30°	2260.3	2268.2	2295.8	2327.3	2343.0
32.5°	2173.7	2193.4	2221.0	2264.3	2268.2
35°	2095.0	2106.8	2154.0	2185.5	2201.3
37.5°	2012.3	2016.2	2071.3	2114.6	2130.4
40°	1921.7	1929.6	1996.5	2035.9	2059.5
42.5°	1835.1	1842.9	1905.9	1957.1	1976.8
45°	1736.6	1756.3	1815.4	1870.5	1898.1
47.5°	1638.2	1665.7	1724.8	1787.8	1803.5
50°	1535.8	1563.3	1634.2	1685.4	1720.9
52.5°	1429.4	1464.9	1535.8	1602.7	1634.2
55°	1327.1	1366.4	1445.2	1512.1	1539.7
57.5°	1216.8	1264.1	1350.7	1421.6	1453.1
60°	1114.4	1153.8	1248.3	1323.1	1358.6
62.5°	996.3	1047.5	1149.9	1232.6	1264.1
65°	886.0	953.0	1055.4	1134.1	1169.5
67.5°	779.7	846.6	960.8	1043.5	1086.9
70°	665.5	740.3	862.4	956.9	1004.2
72.5°	547.4	634.0	771.8	878.1	917.5
75°	445.0	539.5	681.3	795.5	838.8
77.5°	342.6	441.0	598.6	716.7	763.9
80°	240.2	350.5	523.7	645.8	689.1
82.5°	157.5	279.6	452.9	574.9	622.2
85°	82.7	212.6	389.8	515.9	559.2
87.5°	27.6	161.5	334.7	460.7	504.0
90°	3.9	126.0	287.5	405.6	452.9
92.5°	0.0	98.4	248.1	366.2	409.5
95°	0.0	78.8	216.6	326.8	366.2
97.5°	0.0	66.9	193.0	291.4	334.7
100°	0.0	59.1	169.3	263.8	299.3
102.5°	0.0	55.1	153.6	236.3	271.7
105°	0.0	51.2	137.8	216.6	248.1



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CATALOG NUMBER: 8AWS-L3C3-HO-UNV-5000K-LOW

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	39.4	110.3	169.3	193.0
115°	0.0	39.4	102.4	157.5	177.2
117.5°	0.0	35.4	98.4	145.7	165.4
120°	0.0	31.5	90.6	137.8	157.5
122.5°	0.0	31.5	82.7	129.9	145.7
125°	3.9	27.6	78.8	118.1	133.9
127.5°	3.9	27.6	74.8	110.3	126.0
130°	3.9	23.6	66.9	102.4	114.2
132.5°	3.9	23.6	63.0	94.5	106.3
135°	3.9	23.6	59.1	86.6	98.4
137.5°	3.9	19.7	51.2	78.8	90.6
140°	3.9	19.7	47.3	70.9	82.7
142.5°	3.9	19.7	43.3	63.0	74.8
145°	3.9	15.8	39.4	59.1	63.0
147.5°	3.9	15.8	35.4	51.2	59.1
150°	3.9	11.8	31.5	43.3	51.2
152.5°	3.9	11.8	27.6	39.4	43.3
155°	3.9	11.8	23.6	35.4	39.4
157.5°	3.9	11.8	19.7	31.5	31.5
160°	3.9	7.9	15.8	23.6	27.6
162.5°	3.9	7.9	15.8	19.7	23.6
165°	3.9	7.9	11.8	15.8	19.7
167.5°	3.9	3.9	7.9	11.8	15.8
170°	3.9	3.9	7.9	7.9	11.8
172.5°	3.9	3.9	3.9	3.9	7.9
175°	3.9	3.9	3.9	3.9	3.9
177.5°	3.9	3.9	3.9	0.0	0.0
180°	3.9	3.9	3.9	3.9	3.9



Report Generated By 670246072 / DESKTOP-MV3F9LC







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







107.5°	0.0	47.3	<i>129.9</i>	196.9	228.4
110°	0.0	43.3	<i>118.1</i>	181.1	208.7



(END OF REPORT)