

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: P709790

Luminaire Tested: **8AWS-L3C3-UNV-4000K-LOW**

Issue Date: 9/26/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P709790  
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-UNV-4000K-LOW  
Description: 8foot, Adapt Surface Wrap with, RD lens and LOW lumen setting,  
4000K, 80CRI  
  
Light Source: -  
Ballast/Driver: -

**Summary**

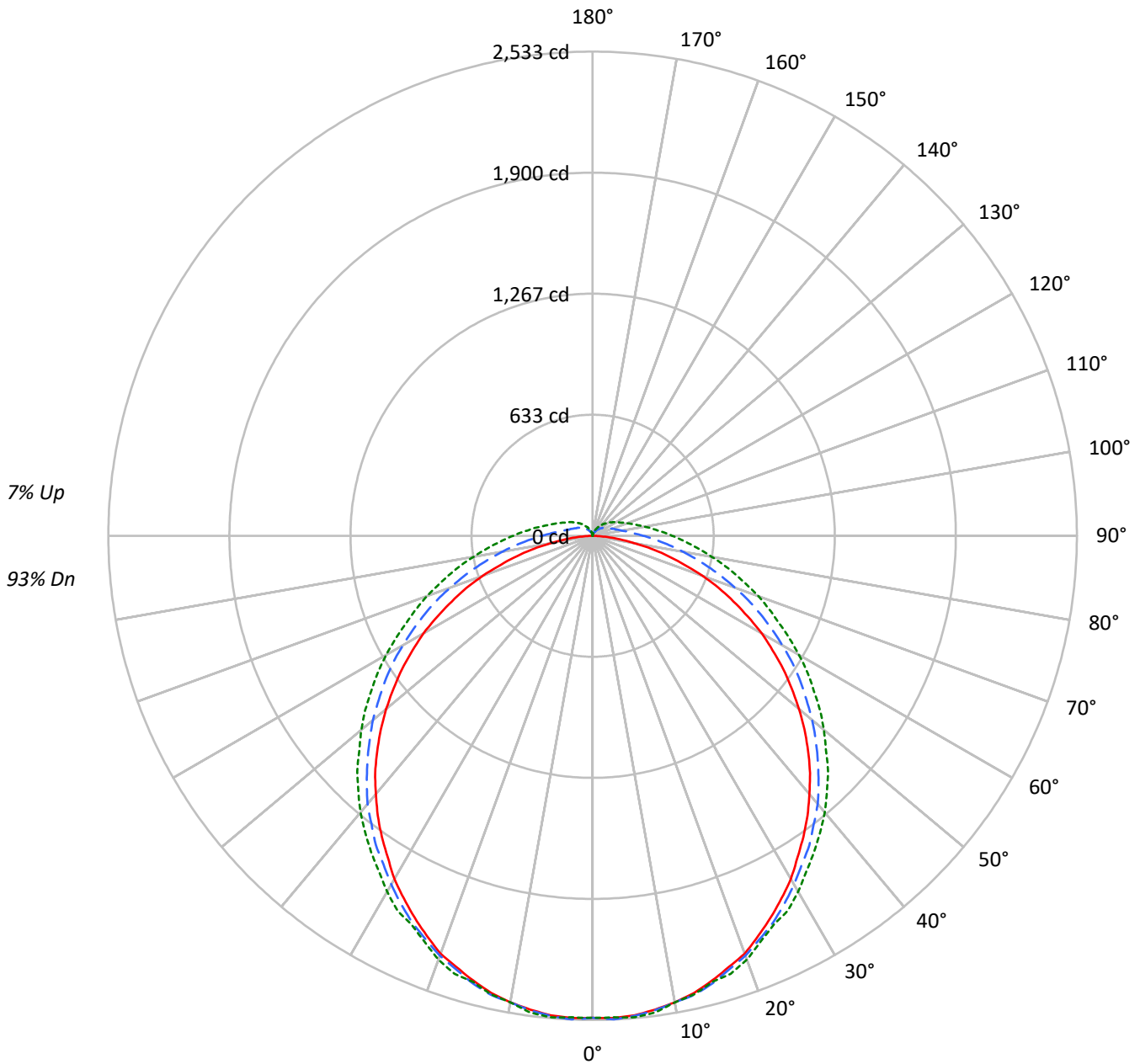
Lumens per Lamp: N/A  
Luminaire Lumens: 8168.0 lumens  
Efficiency: N/A  
Efficacy: 151.3 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 7.42' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 54  
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°	7952	7952	7952
5°	7960	7848	7827
10°	7914	7671	7587
15°	7833	7520	7375
20°	7762	7323	7231
25°	7611	7119	6960
30°	7481	6891	6803
35°	7317	6690	6574
40°	7161	6476	6382
45°	6992	6211	6160
50°	6782	5964	5909
55°	6543	5696	5659
60°	6273	5394	5415
65°	5863	5088	5134
70°	5391	4743	4948
75°	4691	4399	4751
80°	3666	4134	4631
85°	2318	3996	4662



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	239.3	2.9
10°-20°	682.6	8.4
20°-30°	1027.1	12.6
30°-40°	1233.5	15.1
40°-50°	1284.4	15.7
50°-60°	1180.2	14.4
60°-70°	947.8	11.6
70°-80°	646.2	7.9
80°-90°	367.3	4.5
90°-100°	205.7	2.5
100°-110°	130.2	1.6
110°-120°	88.8	1.1
120°-130°	61.0	0.7
130°-140°	38.8	0.5
140°-150°	21.6	0.3
150°-160°	9.8	0.1
160°-170°	3.1	0.0
170°-180°	0.4	0.0
0°-30°	1949.0	23.9
0°-40°	3182.5	39.0
0°-60°	5647.1	69.1
0°-90°	7608.5	93.1
90°-120°	424.7	5.2
90°-150°	546.2	6.7
90°-180°	560.0	6.9
0°-180°	8168.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2522	2522	2522	2522	2522	
5°	2518	2522	2522	2525	2529	239
15°	2410	2406	2424	2431	2417	680
25°	2204	2204	2233	2254	2244	1016
35°	1922	1933	1976	2005	2020	1203
45°	1593	1611	1666	1716	1741	1229
55°	1218	1254	1326	1387	1413	1087
65°	813	874	968	1040	1073	806
75°	408	495	625	730	770	432
85°	76	195	358	473	513	93
90°	4	116	264	372	416	4
95°	0	72	199	300	336	0
105°	0	47	126	199	228	0
115°	0	36	94	144	163	0
125°	4	25	72	108	123	2
135°	4	22	54	80	90	3
145°	4	14	36	54	58	2
155°	4	11	22	32	36	2
165°	4	7	11	14	18	1
175°	4	4	4	4	4	0
180°	4	4	4	4	4	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2521.7	2521.7	2521.7	2521.7	2521.7
2.5°	2525.3	2521.7	2532.6	2528.9	2521.7
5°	2518.1	2521.7	2521.7	2525.3	2528.9
7.5°	2500.0	2492.8	2503.7	2514.5	2514.5
10°	2478.4	2471.1	2478.4	2485.6	2478.4
12.5°	2449.5	2435.0	2460.3	2460.3	2456.7
15°	2409.7	2406.1	2424.2	2431.4	2416.9
17.5°	2366.4	2377.2	2377.2	2391.7	2402.5
20°	2326.6	2319.4	2337.5	2348.3	2359.1
22.5°	2265.2	2261.6	2283.3	2301.3	2297.7
25°	2203.8	2203.8	2232.7	2254.4	2243.5
27.5°	2138.8	2138.8	2171.3	2193.0	2211.0
30°	2073.7	2081.0	2106.3	2135.2	2149.6
32.5°	1994.3	2012.3	2037.6	2077.3	2081.0
35°	1922.0	1932.8	1976.2	2005.1	2019.5
37.5°	1846.1	1849.7	1900.3	1940.1	1954.5
40°	1763.0	1770.3	1831.7	1867.8	1889.5
42.5°	1683.6	1690.8	1748.6	1795.6	1813.6
45°	1593.2	1611.3	1665.5	1716.1	1741.4
47.5°	1502.9	1528.2	1582.4	1640.2	1654.7
50°	1409.0	1434.3	1499.3	1546.3	1578.8
52.5°	1311.4	1344.0	1409.0	1470.4	1499.3
55°	1217.5	1253.6	1325.9	1387.3	1412.6
57.5°	1116.3	1159.7	1239.2	1304.2	1333.1
60°	1022.4	1058.5	1145.3	1213.9	1246.4
62.5°	914.0	961.0	1054.9	1130.8	1159.7
65°	812.9	874.3	968.2	1040.5	1073.0
67.5°	715.3	776.7	881.5	957.4	997.1
70°	610.6	679.2	791.2	877.9	921.3
72.5°	502.2	581.7	708.1	805.6	841.8
75°	408.2	495.0	625.0	729.8	769.5
77.5°	314.3	404.6	549.1	657.5	700.9
80°	220.4	321.5	480.5	592.5	632.2
82.5°	144.5	256.5	415.5	527.5	570.8
85°	75.9	195.1	357.7	473.3	513.0
87.5°	25.3	148.1	307.1	422.7	462.4
90°	3.6	115.6	263.7	372.1	415.5
92.5°	0.0	90.3	227.6	336.0	375.7
95°	0.0	72.3	198.7	299.9	336.0
97.5°	0.0	61.4	177.0	267.3	307.1
100°	0.0	54.2	155.3	242.1	274.6
102.5°	0.0	50.6	140.9	216.8	249.3
105°	0.0	47.0	126.4	198.7	227.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	36.1	101.2	155.3	177.0
115°	0.0	36.1	93.9	144.5	162.6
117.5°	0.0	32.5	90.3	133.7	151.7
120°	0.0	28.9	83.1	126.4	144.5
122.5°	0.0	28.9	75.9	119.2	133.7
125°	3.6	25.3	72.3	108.4	122.8
127.5°	3.6	25.3	68.6	101.2	115.6
130°	3.6	21.7	61.4	93.9	104.8
132.5°	3.6	21.7	57.8	86.7	97.5
135°	3.6	21.7	54.2	79.5	90.3
137.5°	3.6	18.1	47.0	72.3	83.1
140°	3.6	18.1	43.4	65.0	75.9
142.5°	3.6	18.1	39.7	57.8	68.6
145°	3.6	14.5	36.1	54.2	57.8
147.5°	3.6	14.5	32.5	47.0	54.2
150°	3.6	10.8	28.9	39.7	47.0
152.5°	3.6	10.8	25.3	36.1	39.7
155°	3.6	10.8	21.7	32.5	36.1
157.5°	3.6	10.8	18.1	28.9	28.9
160°	3.6	7.2	14.5	21.7	25.3
162.5°	3.6	7.2	14.5	18.1	21.7
165°	3.6	7.2	10.8	14.5	18.1
167.5°	3.6	3.6	7.2	10.8	14.5
170°	3.6	3.6	7.2	7.2	10.8
172.5°	3.6	3.6	3.6	3.6	7.2
175°	3.6	3.6	3.6	3.6	3.6
177.5°	3.6	3.6	3.6	0.0	0.0
180°	3.6	3.6	3.6	3.6	3.6



Report Generated By 670246072 / DESKTOP-MV3F9LC







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







107.5°	0.0	43.4	<i>119.2</i>	180.6	209.5
110°	0.0	39.7	<i>108.4</i>	166.2	191.5



(END OF REPORT)