

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: P709895

Luminaire Tested: **8AWWS-L3C3-UNV-3500K-LOW**

Issue Date: 9/26/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P709895  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2307-090-10)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/26/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8AWWS-L3C3-UNV-3500K-LOW  
Description: 8foot, Wide Adapt Surface Wrap with, RD lens and LOW lumen setting,  
3500K, 80CRI  
  
Light Source: -  
Ballast/Driver: -

**Summary**

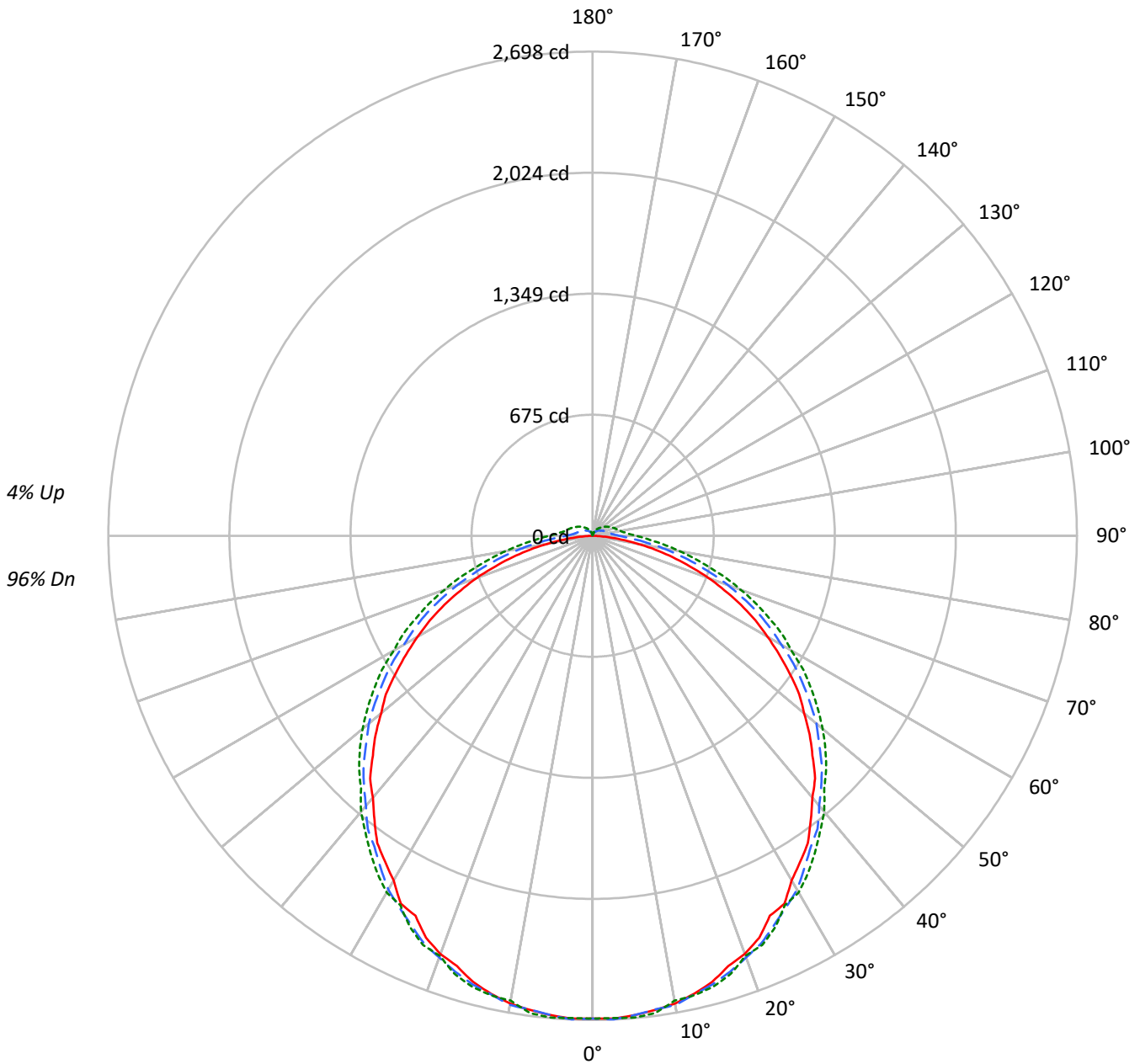
Lumens per Lamp: N/A  
Luminaire Lumens: 8296.0 lumens  
Efficiency: N/A  
Efficacy: 140.6 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.27 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 7.42' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 59  
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	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96																			
1	107	102	97	93	104	99	95	91	94	91	88	90	87	84	85	83	81	79																			
2	97	89	81	76	94	86	80	74	82	77	72	78	74	70	74	71	67	65																			
3	88	78	69	62	85	76	68	62	72	65	60	69	63	58	66	61	57	54																			
4	81	69	60	53	78	67	59	52	64	57	51	61	55	50	58	53	49	46																			
5	74	61	52	45	72	60	51	45	57	50	44	55	48	43	52	47	42	40																			
6	68	55	46	39	66	54	45	39	52	44	38	49	43	38	47	42	37	35																			
7	63	50	41	35	61	49	40	34	47	39	34	45	38	33	43	37	33	31																			
8	59	45	37	31	57	45	36	31	43	35	30	41	35	30	40	34	29	27																			
9	55	42	33	28	53	41	33	28	39	32	27	38	32	27	37	31	26	25																			
10	52	38	30	25	50	38	30	25	36	29	25	35	29	24	34	28	24	22																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	4701	4701	4701
5°	4695	4639	4645
10°	4678	4581	4505
15°	4629	4488	4461
20°	4573	4394	4310
25°	4458	4292	4236
30°	4417	4204	4143
35°	4391	4061	4027
40°	4264	3948	3908
45°	4185	3842	3775
50°	4070	3711	3656
55°	3956	3536	3505
60°	3782	3318	3299
65°	3594	3127	3116
70°	3307	2838	2867
75°	2870	2481	2560
80°	2235	2086	2286
85°	1286	1695	2040



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	255.3	3.1
10°-20°	729.6	8.8
20°-30°	1100.9	13.3
30°-40°	1328.7	16.0
40°-50°	1384.6	16.7
50°-60°	1269.1	15.3
60°-70°	995.3	12.0
70°-80°	615.3	7.4
80°-90°	260.9	3.1
90°-100°	114.3	1.4
100°-110°	81.1	1.0
110°-120°	60.8	0.7
120°-130°	43.4	0.5
130°-140°	28.6	0.3
140°-150°	17.0	0.2
150°-160°	8.1	0.1
160°-170°	2.7	0.0
170°-180°	0.4	0.0
0°-30°	2085.8	25.1
0°-40°	3414.5	41.2
0°-60°	6068.3	73.1
0°-90°	7939.7	95.7
90°-120°	256.2	3.1
90°-150°	345.2	4.2
90°-180°	356.0	4.3
0°-180°	8296.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2690	2690	2690	2690	2690	
5°	2682	2687	2682	2682	2695	255
15°	2574	2579	2587	2595	2601	725
25°	2336	2377	2393	2396	2406	1087
35°	2091	2099	2118	2153	2158	1300
45°	1732	1754	1805	1832	1840	1337
55°	1341	1376	1427	1457	1486	1198
65°	912	947	1017	1058	1084	900
75°	461	510	588	653	669	490
85°	81	146	240	310	340	103
90°	5	62	148	213	240	5
95°	0	40	108	162	186	0
105°	0	30	81	124	140	0
115°	0	24	65	100	113	0
125°	0	22	51	76	89	0
135°	0	16	40	57	67	0
145°	3	14	30	40	46	1
155°	3	8	19	27	30	1
165°	3	5	8	14	14	1
175°	3	3	3	3	5	0
180°	3	3	3	3	3	



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CATALOG NUMBER: 8AWWS-L3C3-UNV-3500K-LOW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2689.7	2689.7	2689.7	2689.7	2689.7
2.5°	2692.4	2703.2	2697.8	2692.4	2689.7
5°	2681.6	2687.0	2681.6	2681.6	2695.1
7.5°	2665.4	2673.5	2662.7	2678.9	2681.6
10°	2646.5	2657.3	2654.6	2660.0	2630.3
12.5°	2614.1	2627.6	2616.8	2630.3	2622.2
15°	2573.7	2579.1	2587.2	2595.3	2600.7
17.5°	2514.3	2538.6	2546.7	2554.8	2560.2
20°	2479.3	2492.7	2500.8	2498.1	2490.0
22.5°	2425.3	2433.4	2457.7	2452.3	2468.5
25°	2336.3	2376.7	2392.9	2395.6	2406.4
27.5°	2312.0	2314.7	2333.6	2349.8	2320.1
30°	2217.6	2249.9	2276.9	2285.0	2295.8
32.5°	2152.8	2179.8	2196.0	2225.7	2231.1
35°	2090.8	2098.9	2117.8	2152.8	2158.2
37.5°	1996.4	2020.6	2058.4	2077.3	2080.0
40°	1904.6	1934.3	1964.0	1985.6	2007.1
42.5°	1834.5	1850.7	1885.7	1912.7	1910.0
45°	1732.0	1753.6	1804.8	1831.8	1839.9
47.5°	1640.2	1672.6	1710.4	1750.9	1758.9
50°	1537.7	1572.8	1626.8	1656.4	1672.6
52.5°	1451.4	1473.0	1526.9	1556.6	1580.9
55°	1340.8	1375.9	1427.1	1456.8	1486.5
57.5°	1232.9	1276.0	1327.3	1375.9	1392.1
60°	1125.0	1168.1	1214.0	1268.0	1278.7
62.5°	1022.5	1068.3	1116.9	1170.8	1192.4
65°	911.8	946.9	1017.1	1057.5	1084.5
67.5°	795.8	839.0	906.5	952.3	984.7
70°	687.9	736.5	801.2	857.9	876.8
72.5°	569.2	628.6	690.6	750.0	777.0
75°	461.3	509.9	588.1	652.9	669.0
77.5°	358.8	404.7	488.3	553.0	577.3
80°	250.9	307.5	396.6	461.3	491.0
82.5°	159.2	218.5	310.2	380.4	412.8
85°	80.9	145.7	240.1	310.2	339.9
87.5°	27.0	91.7	183.4	256.3	286.0
90°	5.4	62.0	148.4	213.1	240.1
92.5°	0.0	45.9	124.1	183.4	207.7
95°	0.0	40.5	107.9	161.9	186.1
97.5°	0.0	37.8	99.8	148.4	167.3
100°	0.0	35.1	91.7	137.6	156.5
102.5°	0.0	32.4	86.3	129.5	148.4
105°	0.0	29.7	80.9	124.1	140.3



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CATALOG NUMBER: 8AWWS-L3C3-UNV-3500K-LOW

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	27.0	70.1	102.5	118.7
115°	0.0	24.3	64.7	99.8	113.3
117.5°	0.0	24.3	62.0	91.7	105.2
120°	0.0	21.6	56.7	86.3	99.8
122.5°	0.0	21.6	54.0	83.6	94.4
125°	0.0	21.6	51.3	75.5	89.0
127.5°	0.0	18.9	48.6	72.8	80.9
130°	0.0	18.9	45.9	67.4	75.5
132.5°	0.0	16.2	43.2	62.0	70.1
135°	0.0	16.2	40.5	56.7	67.4
137.5°	0.0	16.2	37.8	54.0	59.4
140°	0.0	13.5	35.1	48.6	56.7
142.5°	2.7	13.5	29.7	45.9	51.3
145°	2.7	13.5	29.7	40.5	45.9
147.5°	2.7	10.8	27.0	37.8	43.2
150°	2.7	10.8	24.3	32.4	37.8
152.5°	2.7	8.1	21.6	29.7	32.4
155°	2.7	8.1	18.9	27.0	29.7
157.5°	2.7	8.1	16.2	21.6	24.3
160°	2.7	5.4	13.5	18.9	21.6
162.5°	2.7	5.4	10.8	16.2	18.9
165°	2.7	5.4	8.1	13.5	13.5
167.5°	2.7	5.4	8.1	10.8	10.8
170°	2.7	2.7	5.4	8.1	8.1
172.5°	2.7	2.7	5.4	5.4	5.4
175°	2.7	2.7	2.7	2.7	5.4
177.5°	2.7	2.7	2.7	2.7	2.7
180°	2.7	2.7	2.7	2.7	2.7



Report Generated By 670246072 / DESKTOP-MV3F9LC







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







107.5°	0.0	29.7	78.2	116.0	132.2
110°	0.0	27.0	72.8	110.6	126.8



(END OF REPORT)