

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: P709814

Luminaire Tested: **8AWS-L3C39-UNV-3500K-LOW**

Issue Date: 9/26/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P709814  
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-L3C39-UNV-3500K-LOW  
Description: 8foot, Adapt Surface Wrap with, RD lens and LOW lumen setting, 3500K, 90CRI  
  
Light Source: -  
Ballast/Driver: -

**Summary**

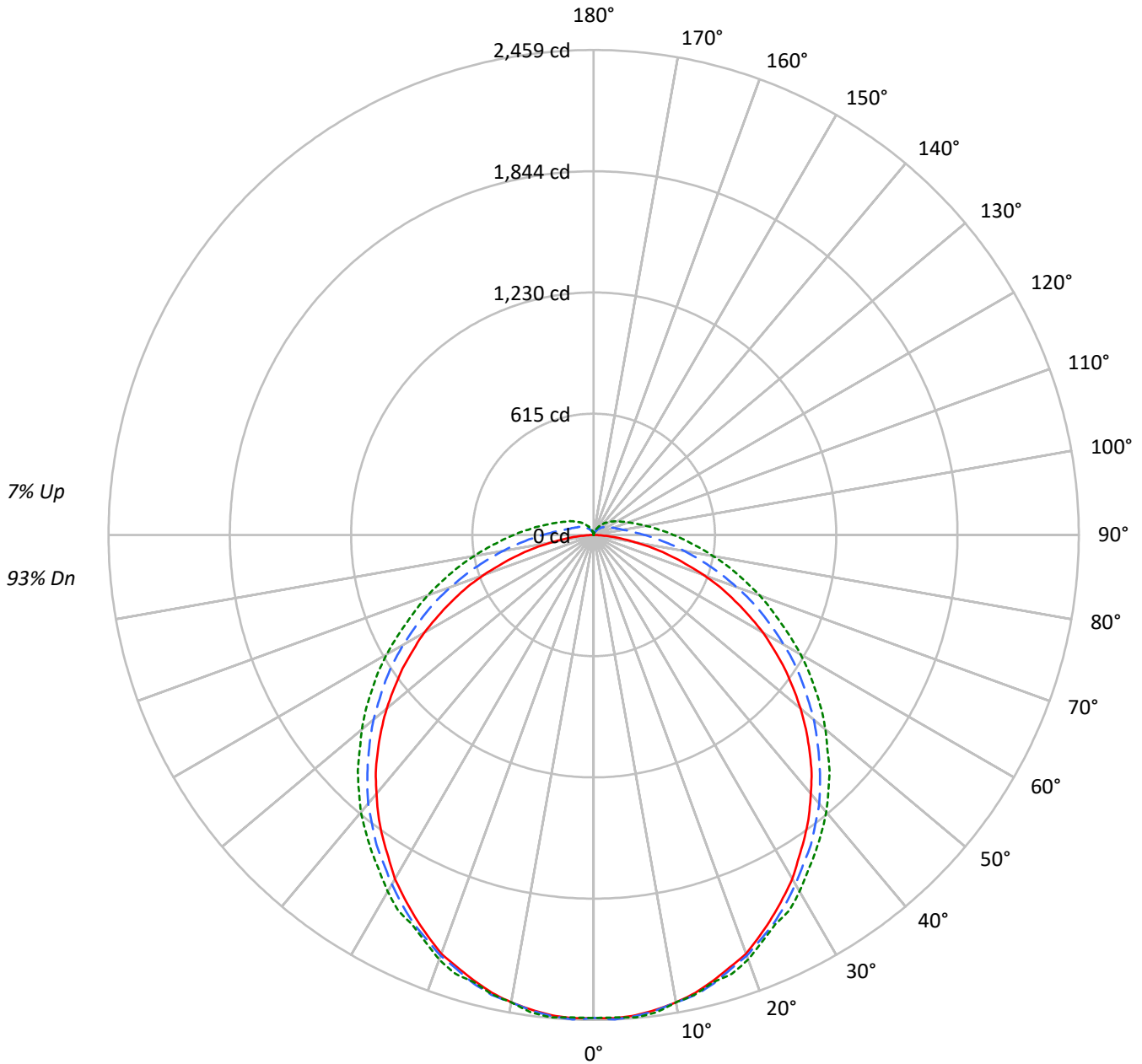
Lumens per Lamp: N/A  
Luminaire Lumens: 7932.0 lumens  
Efficiency: N/A  
Efficacy: 141.6 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 7.42' x H: 0.12')  
CIE Type: Direct

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°	7723	7723	7723
5°	7730	7622	7601
10°	7685	7450	7368
15°	7607	7302	7162
20°	7538	7111	7022
25°	7391	6913	6759
30°	7265	6691	6607
35°	7105	6497	6384
40°	6954	6289	6197
45°	6791	6032	5981
50°	6586	5791	5738
55°	6354	5532	5495
60°	6092	5238	5258
65°	5693	4940	4986
70°	5234	4605	4805
75°	4555	4272	4614
80°	3560	4014	4497
85°	2251	3880	4527



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	232.4	2.9
10°-20°	662.9	8.4
20°-30°	997.4	12.6
30°-40°	1197.8	15.1
40°-50°	1247.3	15.7
50°-60°	1146.1	14.4
60°-70°	920.4	11.6
70°-80°	627.5	7.9
80°-90°	356.7	4.5
90°-100°	199.8	2.5
100°-110°	126.4	1.6
110°-120°	86.3	1.1
120°-130°	59.3	0.7
130°-140°	37.7	0.5
140°-150°	21.0	0.3
150°-160°	9.5	0.1
160°-170°	3.0	0.0
170°-180°	0.4	0.0
0°-30°	1892.7	23.9
0°-40°	3090.6	39.0
0°-60°	5484.0	69.1
0°-90°	7388.6	93.1
90°-120°	412.5	5.2
90°-150°	530.4	6.7
90°-180°	543.0	6.8
0°-180°	7932.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2449	2449	2449	2449	2449	
5°	2445	2449	2449	2452	2456	232
15°	2340	2337	2354	2361	2347	660
25°	2140	2140	2168	2189	2179	986
35°	1866	1877	1919	1947	1961	1168
45°	1547	1565	1617	1666	1691	1193
55°	1182	1217	1288	1347	1372	1056
65°	789	849	940	1010	1042	783
75°	396	481	607	709	747	420
85°	74	190	347	460	498	91
90°	4	112	256	361	404	4
95°	0	70	193	291	326	0
105°	0	46	123	193	221	0
115°	0	35	91	140	158	0
125°	4	25	70	105	119	2
135°	4	21	53	77	88	3
145°	4	14	35	53	56	2
155°	4	10	21	32	35	2
165°	4	7	10	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°	2448.9	2448.9	2448.9	2448.9	2448.9
2.5°	2452.4	2448.9	2459.4	2455.9	2448.9
5°	2445.4	2448.9	2448.9	2452.4	2455.9
7.5°	2427.8	2420.8	2431.3	2441.8	2441.8
10°	2406.8	2399.7	2406.8	2413.8	2406.8
12.5°	2378.7	2364.7	2389.2	2389.2	2385.7
15°	2340.1	2336.6	2354.1	2361.1	2347.1
17.5°	2298.0	2308.5	2308.5	2322.6	2333.1
20°	2259.4	2252.4	2269.9	2280.5	2291.0
22.5°	2199.8	2196.3	2217.3	2234.8	2231.3
25°	2140.1	2140.1	2168.2	2189.2	2178.7
27.5°	2077.0	2077.0	2108.5	2129.6	2147.1
30°	2013.8	2020.8	2045.4	2073.5	2087.5
32.5°	1936.6	1954.2	1978.7	2017.3	2020.8
35°	1866.5	1877.0	1919.1	1947.2	1961.2
37.5°	1792.8	1796.3	1845.4	1884.0	1898.0
40°	1712.1	1719.1	1778.8	1813.8	1834.9
42.5°	1634.9	1641.9	1698.1	1743.7	1761.2
45°	1547.2	1564.7	1617.4	1666.5	1691.0
47.5°	1459.5	1484.1	1536.7	1592.8	1606.8
50°	1368.3	1392.8	1456.0	1501.6	1533.2
52.5°	1273.5	1305.1	1368.3	1427.9	1456.0
55°	1182.3	1217.4	1287.6	1347.2	1371.8
57.5°	1084.1	1126.2	1203.4	1266.5	1294.6
60°	992.9	1028.0	1112.2	1178.8	1210.4
62.5°	887.6	933.2	1024.5	1098.1	1126.2
65°	789.4	849.0	940.2	1010.4	1042.0
67.5°	694.7	754.3	856.0	929.7	968.3
70°	592.9	659.6	768.3	852.5	894.6
72.5°	487.7	564.9	687.6	782.4	817.5
75°	396.4	480.7	607.0	708.7	747.3
77.5°	305.2	392.9	533.3	638.5	680.6
80°	214.0	312.2	466.6	575.4	614.0
82.5°	140.3	249.1	403.5	512.2	554.3
85°	73.7	189.5	347.3	459.6	498.2
87.5°	24.6	143.8	298.2	410.5	449.1
90°	3.5	112.3	256.1	361.4	403.5
92.5°	0.0	87.7	221.0	326.3	364.9
95°	0.0	70.2	193.0	291.2	326.3
97.5°	0.0	59.6	171.9	259.6	298.2
100°	0.0	52.6	150.9	235.1	266.6
102.5°	0.0	49.1	136.8	210.5	242.1
105°	0.0	45.6	122.8	193.0	221.0



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CATALOG NUMBER: 8AWS-L3C39-UNV-3500K-LOW

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	35.1	98.2	150.9	171.9
115°	0.0	35.1	91.2	140.3	157.9
117.5°	0.0	31.6	87.7	129.8	147.4
120°	0.0	28.1	80.7	122.8	140.3
122.5°	0.0	28.1	73.7	115.8	129.8
125°	3.5	24.6	70.2	105.3	119.3
127.5°	3.5	24.6	66.7	98.2	112.3
130°	3.5	21.1	59.6	91.2	101.7
132.5°	3.5	21.1	56.1	84.2	94.7
135°	3.5	21.1	52.6	77.2	87.7
137.5°	3.5	17.5	45.6	70.2	80.7
140°	3.5	17.5	42.1	63.2	73.7
142.5°	3.5	17.5	38.6	56.1	66.7
145°	3.5	14.0	35.1	52.6	56.1
147.5°	3.5	14.0	31.6	45.6	52.6
150°	3.5	10.5	28.1	38.6	45.6
152.5°	3.5	10.5	24.6	35.1	38.6
155°	3.5	10.5	21.1	31.6	35.1
157.5°	3.5	10.5	17.5	28.1	28.1
160°	3.5	7.0	14.0	21.1	24.6
162.5°	3.5	7.0	14.0	17.5	21.1
165°	3.5	7.0	10.5	14.0	17.5
167.5°	3.5	3.5	7.0	10.5	14.0
170°	3.5	3.5	7.0	7.0	10.5
172.5°	3.5	3.5	3.5	3.5	7.0
175°	3.5	3.5	3.5	3.5	3.5
177.5°	3.5	3.5	3.5	0.0	0.0
180°	3.5	3.5	3.5	3.5	3.5



Report Generated By 670246072 / DESKTOP-MV3F9LC







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







107.5°	0.0	42.1	<i>115.8</i>	175.4	203.5
110°	0.0	38.6	<i>105.3</i>	161.4	185.9



(END OF REPORT)