

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: P709715

Luminaire Tested: **4AWS-L3C3-HO-UNV-3500K-LOW**

Issue Date: 9/26/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P709715  
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-L3C3-HO-UNV-3500K-LOW  
Description: 4foot, Adapt Surface Wrap with, RD lens and LOW lumen setting,  
3500K, 80CRI  
  
Light Source: -  
Ballast/Driver: -

**Summary**

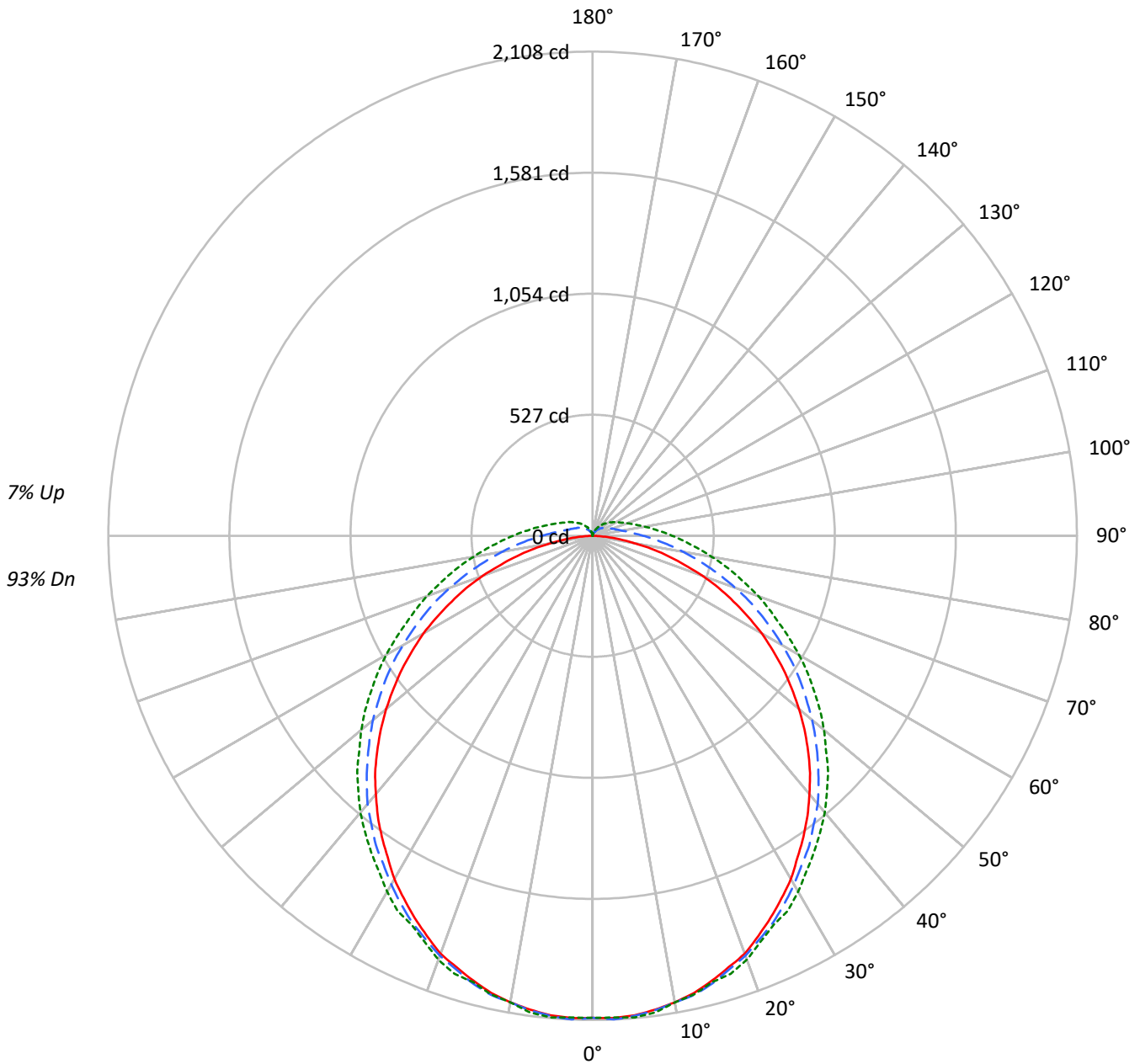
Lumens per Lamp: N/A  
Luminaire Lumens: 6798.0 lumens  
Efficiency: N/A  
Efficacy: 133.3 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 3.71' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 51  
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				20				
RC	80				70				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	96	96	96	93
1	106	101	96	92	102	98	93	89	92	89	85	87	84	81	82	80	78	78	78	78	75
2	96	87	80	74	93	85	78	72	80	74	70	76	71	67	71	68	64	64	64	64	62
3	87	76	68	61	84	74	66	60	70	63	58	66	61	56	63	58	54	54	54	54	52
4	80	67	58	51	77	65	57	51	62	55	49	59	53	48	56	51	46	46	46	46	44
5	73	60	51	44	71	58	50	43	56	48	42	53	46	41	50	45	40	40	40	40	38
6	68	54	45	38	65	53	44	38	50	43	37	48	41	36	46	40	35	35	35	35	33
7	63	49	40	34	60	48	39	33	46	38	33	43	37	32	42	36	31	31	31	31	29
8	58	45	36	30	56	44	35	30	42	34	29	40	33	29	38	32	28	28	28	28	26
9	54	41	33	27	53	40	32	27	38	31	26	37	30	26	35	29	25	25	25	25	23
10	51	38	30	24	49	37	29	24	35	29	24	34	28	23	33	27	23	23	23	23	21

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

	0°	45°	90°
0°	13238	13238	13238
5°	13232	13051	13029
10°	13136	12745	12630
15°	12983	12481	12277
20°	12846	12141	12036
25°	12575	11792	11585
30°	12339	11402	11324
35°	12044	11058	10943
40°	11762	10692	10623
45°	11457	10240	10253
50°	11080	9818	9836
55°	10651	9362	9419
60°	10164	8847	9014
65°	9441	8325	8546
70°	8607	7736	8236
75°	7389	7147	7909
80°	5629	6676	7708
85°	3334	6393	7761



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	199.2	2.9
10°-20°	568.1	8.4
20°-30°	854.8	12.6
30°-40°	1026.6	15.1
40°-50°	1069.0	15.7
50°-60°	982.2	14.4
60°-70°	788.9	11.6
70°-80°	537.8	7.9
80°-90°	305.7	4.5
90°-100°	171.2	2.5
100°-110°	108.3	1.6
110°-120°	74.0	1.1
120°-130°	50.8	0.7
130°-140°	32.3	0.5
140°-150°	18.0	0.3
150°-160°	8.2	0.1
160°-170°	2.6	0.0
170°-180°	0.3	0.0
0°-30°	1622.1	23.9
0°-40°	2648.7	39.0
0°-60°	4699.9	69.1
0°-90°	6332.3	93.1
90°-120°	353.5	5.2
90°-150°	454.6	6.7
90°-180°	466.0	6.9
0°-180°	6798.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2099	2099	2099	2099	2099	
5°	2096	2099	2099	2102	2105	199
15°	2006	2002	2018	2024	2012	566
25°	1834	1834	1858	1876	1867	845
35°	1600	1609	1645	1669	1681	1001
45°	1326	1341	1386	1428	1449	1023
55°	1013	1043	1104	1155	1176	905
65°	676	728	806	866	893	671
75°	340	412	520	607	640	360
85°	63	162	298	394	427	78
90°	3	96	220	310	346	4
95°	0	60	165	250	280	0
105°	0	39	105	165	189	0
115°	0	30	78	120	135	0
125°	3	21	60	90	102	2
135°	3	18	45	66	75	2
145°	3	12	30	45	48	2
155°	3	9	18	27	30	1
165°	3	6	9	12	15	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°	2098.8	2098.8	2098.8	2098.8	2098.8
2.5°	2101.8	2098.8	2107.8	2104.8	2098.8
5°	2095.8	2098.8	2098.8	2101.8	2104.8
7.5°	2080.7	2074.7	2083.7	2092.7	2092.7
10°	2062.7	2056.7	2062.7	2068.7	2062.7
12.5°	2038.6	2026.6	2047.6	2047.6	2044.6
15°	2005.5	2002.5	2017.6	2023.6	2011.6
17.5°	1969.5	1978.5	1978.5	1990.5	1999.5
20°	1936.4	1930.4	1945.4	1954.4	1963.5
22.5°	1885.3	1882.3	1900.3	1915.3	1912.3
25°	1834.2	1834.2	1858.2	1876.3	1867.2
27.5°	1780.0	1780.0	1807.1	1825.1	1840.2
30°	1725.9	1731.9	1753.0	1777.0	1789.1
32.5°	1659.8	1674.8	1695.8	1728.9	1731.9
35°	1599.6	1608.6	1644.7	1668.8	1680.8
37.5°	1536.5	1539.5	1581.6	1614.7	1626.7
40°	1467.3	1473.3	1524.5	1554.5	1572.6
42.5°	1401.2	1407.2	1455.3	1494.4	1509.4
45°	1326.0	1341.0	1386.1	1428.2	1449.3
47.5°	1250.8	1271.9	1317.0	1365.1	1377.1
50°	1172.7	1193.7	1247.8	1286.9	1314.0
52.5°	1091.5	1118.5	1172.7	1223.8	1247.8
55°	1013.3	1043.4	1103.5	1154.6	1175.7
57.5°	929.1	965.2	1031.3	1085.5	1109.5
60°	850.9	881.0	953.2	1010.3	1037.4
62.5°	760.7	799.8	878.0	941.1	965.2
65°	676.5	727.6	805.8	866.0	893.0
67.5°	595.3	646.5	733.7	796.8	829.9
70°	508.2	565.3	658.5	730.7	766.7
72.5°	417.9	484.1	589.3	670.5	700.6
75°	339.8	411.9	520.2	607.4	640.5
77.5°	261.6	336.8	457.0	547.2	583.3
80°	183.4	267.6	399.9	493.1	526.2
82.5°	120.3	213.5	345.8	439.0	475.1
85°	63.1	162.4	297.7	393.9	427.0
87.5°	21.0	123.3	255.6	351.8	384.9
90°	3.0	96.2	219.5	309.7	345.8
92.5°	0.0	75.2	189.4	279.6	312.7
95°	0.0	60.1	165.4	249.6	279.6
97.5°	0.0	51.1	147.3	222.5	255.6
100°	0.0	45.1	129.3	201.5	228.5
102.5°	0.0	42.1	117.3	180.4	207.5
105°	0.0	39.1	105.2	165.4	189.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	30.1	84.2	129.3	147.3
115°	0.0	30.1	78.2	120.3	135.3
117.5°	0.0	27.1	75.2	111.3	126.3
120°	0.0	24.1	69.2	105.2	120.3
122.5°	0.0	24.1	63.1	99.2	111.3
125°	3.0	21.0	60.1	90.2	102.2
127.5°	3.0	21.0	57.1	84.2	96.2
130°	3.0	18.0	51.1	78.2	87.2
132.5°	3.0	18.0	48.1	72.2	81.2
135°	3.0	18.0	45.1	66.1	75.2
137.5°	3.0	15.0	39.1	60.1	69.2
140°	3.0	15.0	36.1	54.1	63.1
142.5°	3.0	15.0	33.1	48.1	57.1
145°	3.0	12.0	30.1	45.1	48.1
147.5°	3.0	12.0	27.1	39.1	45.1
150°	3.0	9.0	24.1	33.1	39.1
152.5°	3.0	9.0	21.0	30.1	33.1
155°	3.0	9.0	18.0	27.1	30.1
157.5°	3.0	9.0	15.0	24.1	24.1
160°	3.0	6.0	12.0	18.0	21.0
162.5°	3.0	6.0	12.0	15.0	18.0
165°	3.0	6.0	9.0	12.0	15.0
167.5°	3.0	3.0	6.0	9.0	12.0
170°	3.0	3.0	6.0	6.0	9.0
172.5°	3.0	3.0	3.0	3.0	6.0
175°	3.0	3.0	3.0	3.0	3.0
177.5°	3.0	3.0	3.0	0.0	0.0
180°	3.0	3.0	3.0	3.0	3.0



Report Generated By 670246072 / DESKTOP-MV3F9LC







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







107.5°	0.0	36.1	99.2	150.3	174.4
110°	0.0	33.1	90.2	138.3	159.4



(END OF REPORT)