

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: P709802

Luminaire Tested: **8AWS-L3C39-CA-UNV-4000K-LOW**

Issue Date: 9/26/2023



Test Information

Test Method: LM-79-08
Report Number: P709802
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-CA-UNV-4000K-LOW
Description: 8foot, Adapt Surface Wrap with, RD lens and LOW lumen setting, 4000K, 90CRI

Light Source: -
Ballast/Driver: -

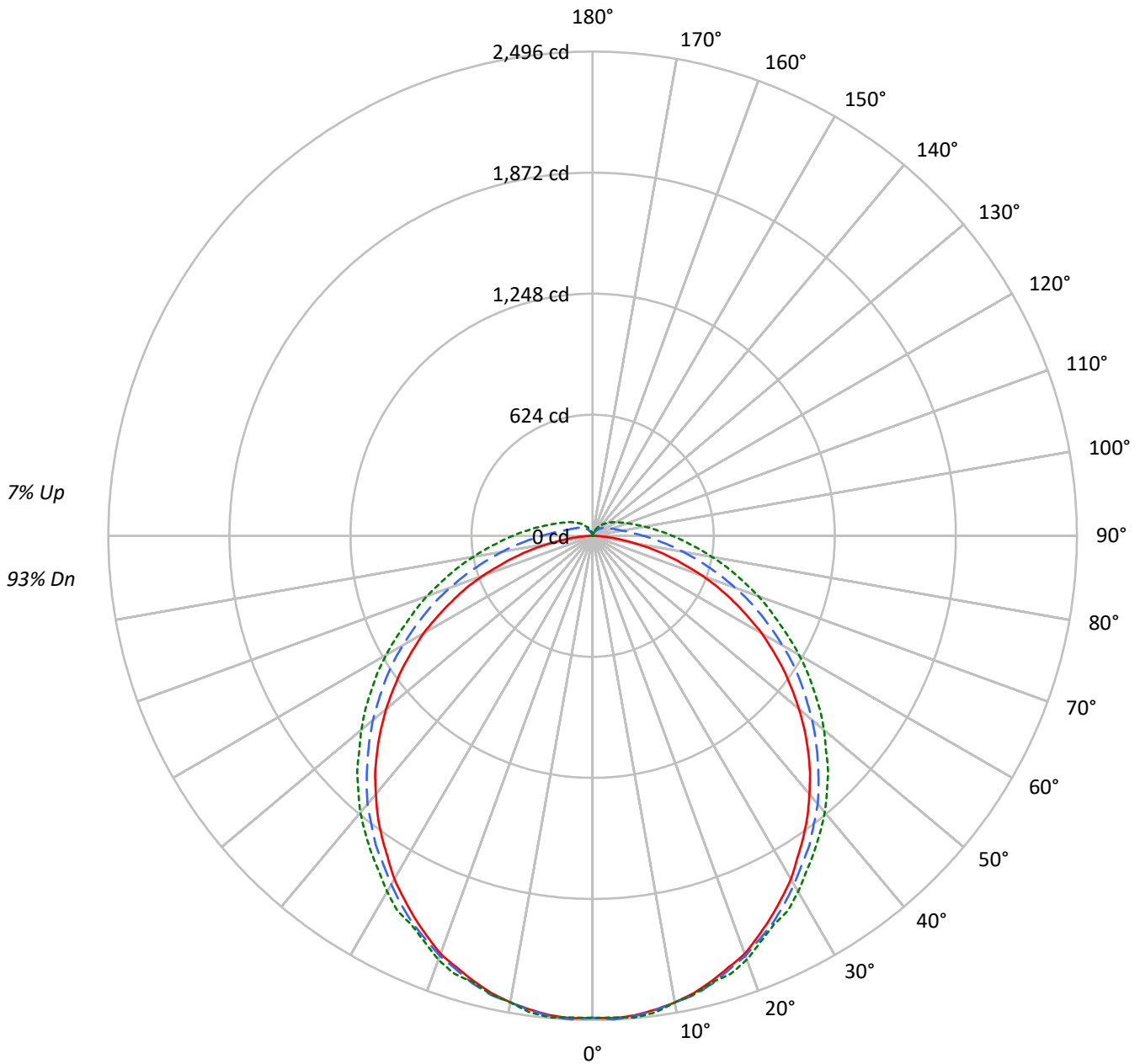
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8050.0 lumens
Efficiency: N/A
Efficacy: 138.8 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): 58
Input Voltage (V): NR
Input Current (A_{in}): 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°	7838	7838	7838
5°	7845	7735	7714
10°	7800	7561	7478
15°	7720	7411	7269
20°	7650	7217	7126
25°	7501	7016	6859
30°	7374	6791	6705
35°	7211	6594	6479
40°	7057	6382	6289
45°	6891	6121	6070
50°	6684	5877	5823
55°	6448	5614	5577
60°	6182	5315	5337
65°	5778	5014	5060
70°	5312	4674	4876
75°	4623	4336	4682
80°	3613	4074	4564
85°	2284	3938	4595



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.8	2.9
10°-20°	672.8	8.4
20°-30°	1012.3	12.6
30°-40°	1215.7	15.1
40°-50°	1265.9	15.7
50°-60°	1163.1	14.4
60°-70°	934.1	11.6
70°-80°	636.9	7.9
80°-90°	362.0	4.5
90°-100°	202.7	2.5
100°-110°	128.3	1.6
110°-120°	87.6	1.1
120°-130°	60.2	0.7
130°-140°	38.3	0.5
140°-150°	21.3	0.3
150°-160°	9.7	0.1
160°-170°	3.1	0.0
170°-180°	0.4	0.0
0°-30°	1920.9	23.9
0°-40°	3136.5	39.0
0°-60°	5565.5	69.1
0°-90°	7498.5	93.1
90°-120°	418.6	5.2
90°-150°	538.3	6.7
90°-180°	551.0	6.8
0°-180°	8050.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2485	2485	2485	2485	2485	
5°	2482	2485	2485	2489	2492	236
15°	2375	2371	2389	2396	2382	670
25°	2172	2172	2200	2222	2211	1001
35°	1894	1905	1948	1976	1990	1185
45°	1570	1588	1641	1691	1716	1211
55°	1200	1236	1307	1367	1392	1071
65°	801	862	954	1025	1058	794
75°	402	488	616	719	758	426
85°	75	192	352	466	506	92
90°	4	114	260	367	410	4
95°	0	71	196	296	331	0
105°	0	46	125	196	224	0
115°	0	36	93	142	160	0
125°	4	25	71	107	121	2
135°	4	21	53	78	89	3
145°	4	14	36	53	57	2
155°	4	11	21	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°	2485.3	2485.3	2485.3	2485.3	2485.3
2.5°	2488.9	2485.3	2496.0	2492.4	2485.3
5°	2481.7	2485.3	2485.3	2488.9	2492.4
7.5°	2463.9	2456.8	2467.5	2478.2	2478.2
10°	2442.6	2435.4	2442.6	2449.7	2442.6
12.5°	2414.1	2399.8	2424.8	2424.8	2421.2
15°	2374.9	2371.4	2389.2	2396.3	2382.0
17.5°	2332.2	2342.9	2342.9	2357.1	2367.8
20°	2293.0	2285.9	2303.7	2314.4	2325.1
22.5°	2232.5	2228.9	2250.3	2268.1	2264.5
25°	2172.0	2172.0	2200.4	2221.8	2211.1
27.5°	2107.9	2107.9	2139.9	2161.3	2179.1
30°	2043.8	2050.9	2075.8	2104.3	2118.5
32.5°	1965.4	1983.2	2008.2	2047.3	2050.9
35°	1894.2	1904.9	1947.6	1976.1	1990.4
37.5°	1819.5	1823.0	1872.9	1912.0	1926.3
40°	1737.6	1744.7	1805.2	1840.8	1862.2
42.5°	1659.2	1666.4	1723.3	1769.6	1787.4
45°	1570.2	1588.0	1641.4	1691.3	1716.2
47.5°	1481.2	1506.1	1559.5	1616.5	1630.7
50°	1388.6	1413.6	1477.6	1523.9	1556.0
52.5°	1292.5	1324.5	1388.6	1449.2	1477.6
55°	1199.9	1235.5	1306.7	1367.3	1392.2
57.5°	1100.2	1142.9	1221.3	1285.4	1313.9
60°	1007.6	1043.3	1128.7	1196.4	1228.4
62.5°	900.8	947.1	1039.7	1114.5	1142.9
65°	801.1	861.7	954.2	1025.4	1057.5
67.5°	705.0	765.5	868.8	943.6	982.7
70°	601.7	669.4	779.8	865.2	907.9
72.5°	494.9	573.3	697.9	794.0	829.6
75°	402.3	487.8	616.0	719.2	758.4
77.5°	309.8	398.8	541.2	648.0	690.8
80°	217.2	316.9	473.6	583.9	623.1
82.5°	142.4	252.8	409.5	519.8	562.6
85°	74.8	192.3	352.5	466.4	505.6
87.5°	24.9	146.0	302.6	416.6	455.8
90°	3.6	113.9	259.9	366.7	409.5
92.5°	0.0	89.0	224.3	331.1	370.3
95°	0.0	71.2	195.8	295.5	331.1
97.5°	0.0	60.5	174.5	263.5	302.6
100°	0.0	53.4	153.1	238.6	270.6
102.5°	0.0	49.8	138.9	213.6	245.7
105°	0.0	46.3	124.6	195.8	224.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	35.6	99.7	153.1	174.5
115°	0.0	35.6	92.6	142.4	160.2
117.5°	0.0	32.0	89.0	131.7	149.5
120°	0.0	28.5	81.9	124.6	142.4
122.5°	0.0	28.5	74.8	117.5	131.7
125°	3.6	24.9	71.2	106.8	121.1
127.5°	3.6	24.9	67.7	99.7	113.9
130°	3.6	21.4	60.5	92.6	103.3
132.5°	3.6	21.4	57.0	85.5	96.1
135°	3.6	21.4	53.4	78.3	89.0
137.5°	3.6	17.8	46.3	71.2	81.9
140°	3.6	17.8	42.7	64.1	74.8
142.5°	3.6	17.8	39.2	57.0	67.7
145°	3.6	14.2	35.6	53.4	57.0
147.5°	3.6	14.2	32.0	46.3	53.4
150°	3.6	10.7	28.5	39.2	46.3
152.5°	3.6	10.7	24.9	35.6	39.2
155°	3.6	10.7	21.4	32.0	35.6
157.5°	3.6	10.7	17.8	28.5	28.5
160°	3.6	7.1	14.2	21.4	24.9
162.5°	3.6	7.1	14.2	17.8	21.4
165°	3.6	7.1	10.7	14.2	17.8
167.5°	3.6	3.6	7.1	10.7	14.2
170°	3.6	3.6	7.1	7.1	10.7
172.5°	3.6	3.6	3.6	3.6	7.1
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	42.7	117.5	178.0	206.5
110°	0.0	39.2	106.8	163.8	188.7



(END OF REPORT)