

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: P709744

Luminaire Tested: **4AWS-L3C39-CA-UNV-3500K-HI**

Issue Date: 9/26/2023



Test Information

Test Method: LM-79-08
Report Number: P709744
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-L3C39-CA-UNV-3500K-HI
Description: 4foot, Adapt Surface Wrap with, RD lens and HI lumen setting,
3500K, 90CRI

Light Source: -
Ballast/Driver: -

Summary

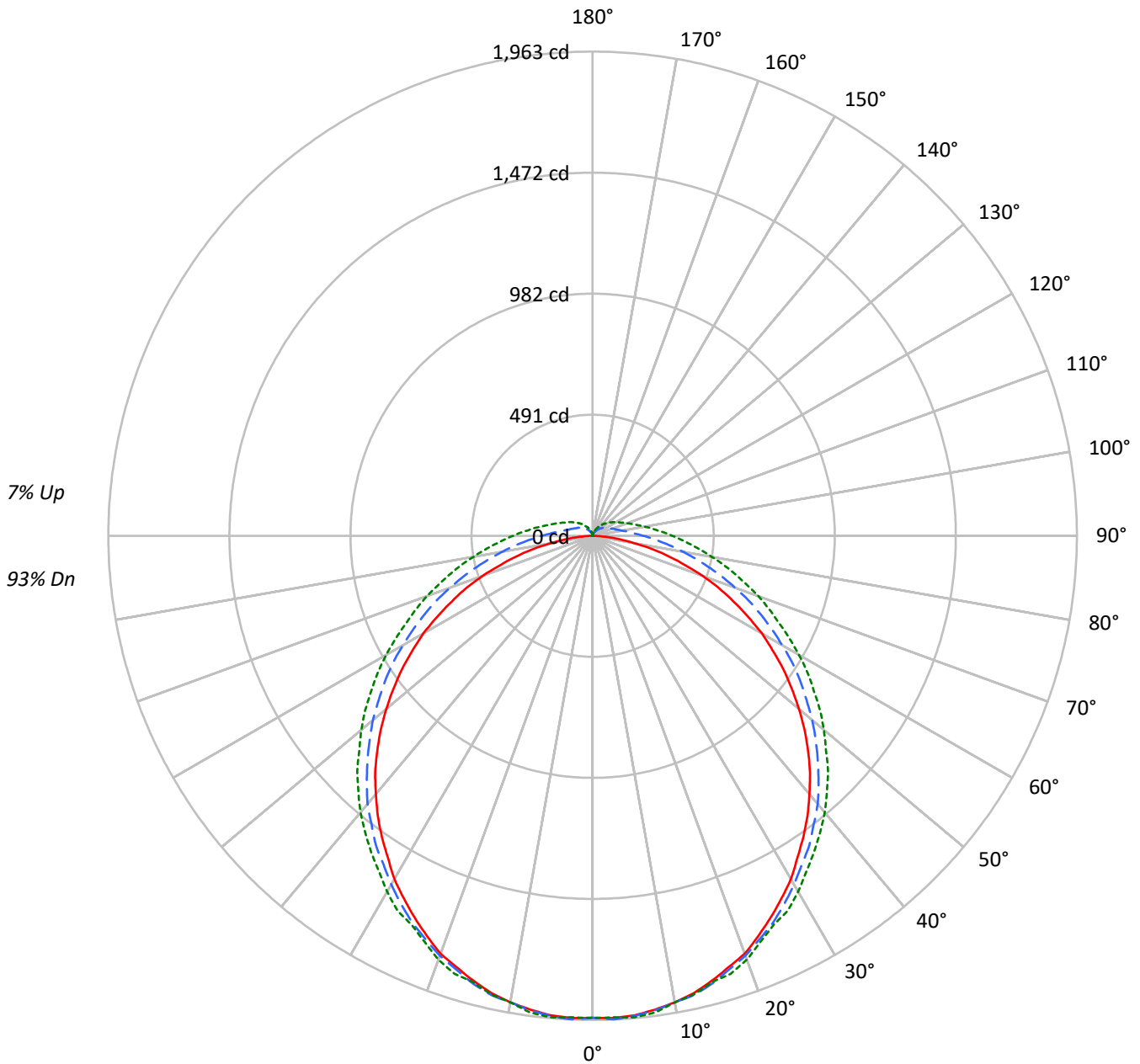
Lumens per Lamp: N/A
Luminaire Lumens: 6330.1 lumens
Efficiency: N/A
Efficacy: 129.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 3.71' x H: 0.12')
CIE Type: Direct

Input Watts (W): 49
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°	12326	12326	12326
5°	12321	12153	12132
10°	12231	11867	11760
15°	12089	11622	11432
20°	11962	11306	11207
25°	11709	10980	10788
30°	11490	10617	10545
35°	11215	10297	10190
40°	10952	9955	9891
45°	10668	9536	9547
50°	10316	9142	9158
55°	9917	8717	8770
60°	9464	8237	8392
65°	8792	7752	7958
70°	8014	7204	7670
75°	6880	6655	7364
80°	5242	6217	7178
85°	3107	5953	7226



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	185.4	2.9
10°-20°	529.0	8.4
20°-30°	796.0	12.6
30°-40°	955.9	15.1
40°-50°	995.4	15.7
50°-60°	914.6	14.4
60°-70°	734.6	11.6
70°-80°	500.8	7.9
80°-90°	284.7	4.5
90°-100°	159.4	2.5
100°-110°	100.9	1.6
110°-120°	68.9	1.1
120°-130°	47.3	0.7
130°-140°	30.1	0.5
140°-150°	16.7	0.3
150°-160°	7.6	0.1
160°-170°	2.4	0.0
170°-180°	0.3	0.0
0°-30°	1510.5	23.9
0°-40°	2466.4	39.0
0°-60°	4376.4	69.1
0°-90°	5896.4	93.1
90°-120°	329.2	5.2
90°-150°	423.3	6.7
90°-180°	434.0	6.9
0°-180°	6330.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1954	1954	1954	1954	1954	
5°	1952	1954	1954	1957	1960	185
15°	1868	1865	1879	1884	1873	527
25°	1708	1708	1730	1747	1739	787
35°	1490	1498	1532	1554	1565	932
45°	1235	1249	1291	1330	1350	952
55°	944	972	1028	1075	1095	842
65°	630	678	750	806	832	625
75°	316	384	484	566	596	335
85°	59	151	277	367	398	72
90°	3	90	204	288	322	3
95°	0	56	154	232	260	0
105°	0	36	98	154	176	0
115°	0	28	73	112	126	0
125°	3	20	56	84	95	2
135°	3	17	42	62	70	2
145°	3	11	28	42	45	2
155°	3	8	17	25	28	1
165°	3	6	8	11	14	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°	1954.3	1954.3	1954.3	1954.3	1954.3
2.5°	1957.1	1954.3	1962.7	1959.9	1954.3
5°	1951.5	1954.3	1954.3	1957.1	1959.9
7.5°	1937.5	1931.9	1940.3	1948.7	1948.7
10°	1920.7	1915.1	1920.7	1926.3	1920.7
12.5°	1898.3	1887.1	1906.7	1906.7	1903.9
15°	1867.5	1864.7	1878.7	1884.3	1873.1
17.5°	1833.9	1842.3	1842.3	1853.5	1861.9
20°	1803.1	1797.5	1811.5	1819.9	1828.3
22.5°	1755.5	1752.7	1769.5	1783.5	1780.7
25°	1707.9	1707.9	1730.3	1747.1	1738.7
27.5°	1657.5	1657.5	1682.7	1699.5	1713.5
30°	1607.1	1612.7	1632.3	1654.7	1665.9
32.5°	1545.5	1559.5	1579.1	1609.9	1612.7
35°	1489.5	1497.9	1531.5	1553.9	1565.1
37.5°	1430.7	1433.5	1472.7	1503.5	1514.7
40°	1366.3	1371.9	1419.5	1447.5	1464.3
42.5°	1304.7	1310.3	1355.1	1391.5	1405.5
45°	1234.7	1248.7	1290.7	1329.9	1349.5
47.5°	1164.7	1184.3	1226.3	1271.1	1282.3
50°	1091.9	1111.5	1161.9	1198.3	1223.5
52.5°	1016.3	1041.5	1091.9	1139.5	1161.9
55°	943.5	971.5	1027.5	1075.1	1094.7
57.5°	865.1	898.7	960.3	1010.7	1033.1
60°	792.3	820.3	887.5	940.7	965.9
62.5°	708.4	744.8	817.5	876.3	898.7
65°	630.0	677.6	750.4	806.3	831.5
67.5°	554.4	602.0	683.2	742.0	772.7
70°	473.2	526.4	613.2	680.4	714.0
72.5°	389.2	450.8	548.8	624.4	652.4
75°	316.4	383.6	484.4	565.6	596.4
77.5°	243.6	313.6	425.6	509.6	543.2
80°	170.8	249.2	372.4	459.2	490.0
82.5°	112.0	198.8	322.0	408.8	442.4
85°	58.8	151.2	277.2	366.8	397.6
87.5°	19.6	114.8	238.0	327.6	358.4
90°	2.8	89.6	204.4	288.4	322.0
92.5°	0.0	70.0	176.4	260.4	291.2
95°	0.0	56.0	154.0	232.4	260.4
97.5°	0.0	47.6	137.2	207.2	238.0
100°	0.0	42.0	120.4	187.6	212.8
102.5°	0.0	39.2	109.2	168.0	193.2
105°	0.0	36.4	98.0	154.0	176.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	28.0	78.4	120.4	137.2
115°	0.0	28.0	72.8	112.0	126.0
117.5°	0.0	25.2	70.0	103.6	117.6
120°	0.0	22.4	64.4	98.0	112.0
122.5°	0.0	22.4	58.8	92.4	103.6
125°	2.8	19.6	56.0	84.0	95.2
127.5°	2.8	19.6	53.2	78.4	89.6
130°	2.8	16.8	47.6	72.8	81.2
132.5°	2.8	16.8	44.8	67.2	75.6
135°	2.8	16.8	42.0	61.6	70.0
137.5°	2.8	14.0	36.4	56.0	64.4
140°	2.8	14.0	33.6	50.4	58.8
142.5°	2.8	14.0	30.8	44.8	53.2
145°	2.8	11.2	28.0	42.0	44.8
147.5°	2.8	11.2	25.2	36.4	42.0
150°	2.8	8.4	22.4	30.8	36.4
152.5°	2.8	8.4	19.6	28.0	30.8
155°	2.8	8.4	16.8	25.2	28.0
157.5°	2.8	8.4	14.0	22.4	22.4
160°	2.8	5.6	11.2	16.8	19.6
162.5°	2.8	5.6	11.2	14.0	16.8
165°	2.8	5.6	8.4	11.2	14.0
167.5°	2.8	2.8	5.6	8.4	11.2
170°	2.8	2.8	5.6	5.6	8.4
172.5°	2.8	2.8	2.8	2.8	5.6
175°	2.8	2.8	2.8	2.8	2.8
177.5°	2.8	2.8	2.8	0.0	0.0
180°	2.8	2.8	2.8	2.8	2.8



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	33.6	92.4	140.0	162.4
110°	0.0	30.8	84.0	128.8	148.4



(END OF REPORT)