

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: P709741

Luminaire Tested: **4AWS-L3C39-CA-UNV-3000K-HI**

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709741
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-3000K-HI
Description: 4foot, Adapt Surface Wrap with, RD lens and HI lumen setting,
3000K, 90CRI

Light Source: -
Ballast/Driver: -

Summary

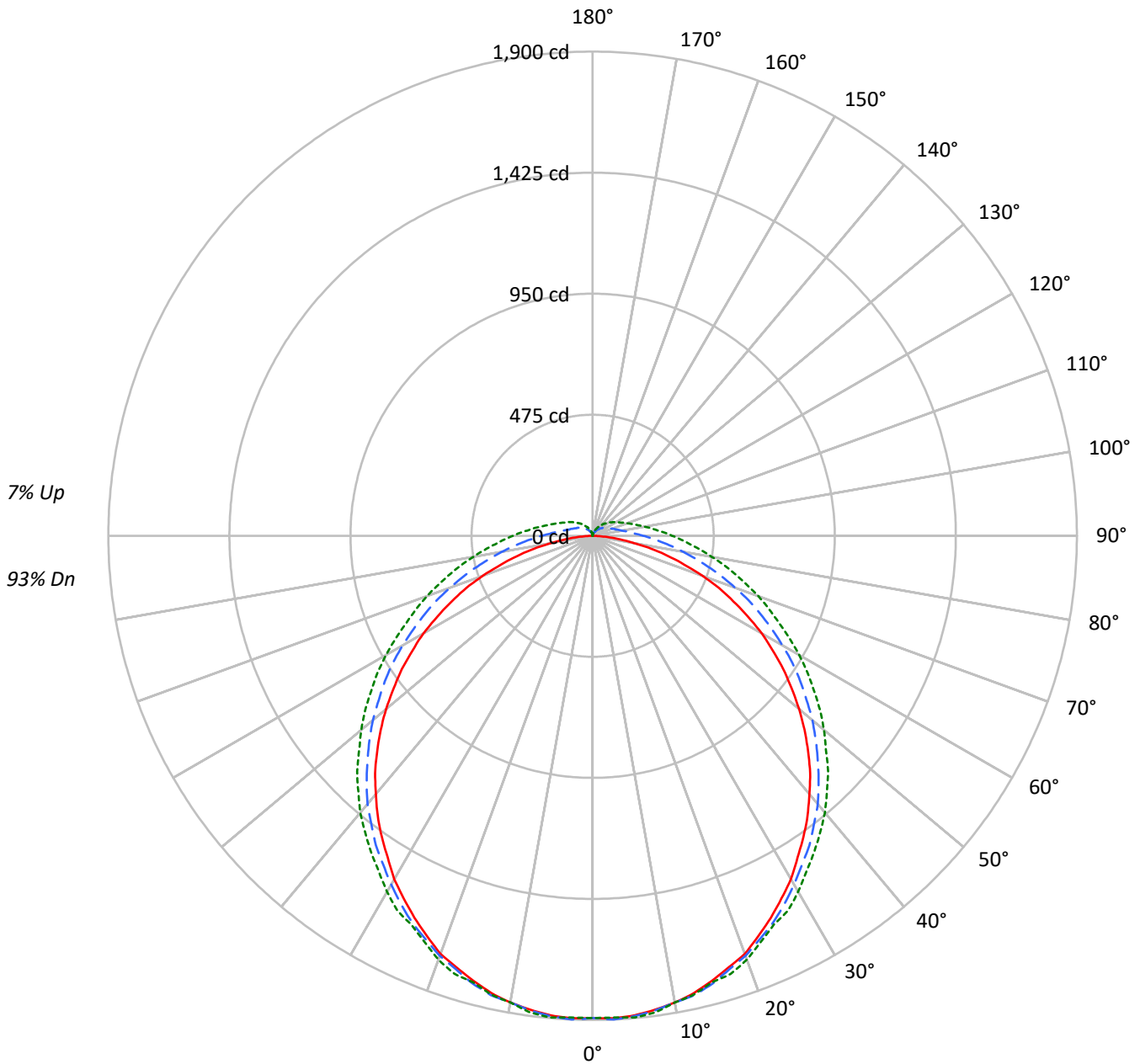
Lumens per Lamp: N/A
Luminaire Lumens: 6129.0 lumens
Efficiency: N/A
Efficacy: 122.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 3.71' x H: 0.12')
CIE Type: Direct

Input Watts (W): 50
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				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°	11935	11935	11935
5°	11929	11767	11746
10°	11843	11490	11387
15°	11706	11252	11069
20°	11581	10947	10851
25°	11338	10631	10445
30°	11125	10280	10210
35°	10859	9970	9866
40°	10604	9639	9577
45°	10329	9233	9244
50°	9989	8852	8868
55°	9603	8441	8492
60°	9164	7976	8126
65°	8513	7505	7705
70°	7758	6975	7426
75°	6660	6443	7130
80°	5076	6020	6950
85°	3006	5764	6995



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.6	2.9
10°-20°	512.2	8.4
20°-30°	770.7	12.6
30°-40°	925.6	15.1
40°-50°	963.8	15.7
50°-60°	885.6	14.4
60°-70°	711.2	11.6
70°-80°	484.9	7.9
80°-90°	275.6	4.5
90°-100°	154.3	2.5
100°-110°	97.7	1.6
110°-120°	66.7	1.1
120°-130°	45.8	0.7
130°-140°	29.1	0.5
140°-150°	16.2	0.3
150°-160°	7.4	0.1
160°-170°	2.3	0.0
170°-180°	0.3	0.0
0°-30°	1462.5	23.9
0°-40°	2388.1	39.0
0°-60°	4237.4	69.1
0°-90°	5709.2	93.1
90°-120°	318.7	5.2
90°-150°	409.9	6.7
90°-180°	420.0	6.9
0°-180°	6129.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1892	1892	1892	1892	1892	
5°	1890	1892	1892	1895	1898	179
15°	1808	1806	1819	1824	1814	510
25°	1654	1654	1675	1692	1684	762
35°	1442	1450	1483	1505	1515	902
45°	1196	1209	1250	1288	1307	922
55°	914	941	995	1041	1060	816
65°	610	656	726	781	805	605
75°	306	371	469	548	577	324
85°	57	146	268	355	385	70
90°	3	87	198	279	312	3
95°	0	54	149	225	252	0
105°	0	35	95	149	171	0
115°	0	27	70	108	122	0
125°	3	19	54	81	92	1
135°	3	16	41	60	68	2
145°	3	11	27	41	43	2
155°	3	8	16	24	27	1
165°	3	5	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°	1892.2	1892.2	1892.2	1892.2	1892.2
2.5°	1894.9	1892.2	1900.3	1897.6	1892.2
5°	1889.5	1892.2	1892.2	1894.9	1897.6
7.5°	1876.0	1870.5	1878.7	1886.8	1886.8
10°	1859.7	1854.3	1859.7	1865.1	1859.7
12.5°	1838.0	1827.2	1846.1	1846.1	1843.4
15°	1808.2	1805.5	1819.0	1824.4	1813.6
17.5°	1775.6	1783.8	1783.8	1794.6	1802.8
20°	1745.8	1740.4	1754.0	1762.1	1770.2
22.5°	1699.7	1697.0	1713.3	1726.9	1724.1
25°	1653.7	1653.7	1675.3	1691.6	1683.5
27.5°	1604.9	1604.9	1629.3	1645.5	1659.1
30°	1556.1	1561.5	1580.5	1602.1	1613.0
32.5°	1496.4	1510.0	1529.0	1558.8	1561.5
35°	1442.2	1450.3	1482.9	1504.6	1515.4
37.5°	1385.3	1388.0	1425.9	1455.8	1466.6
40°	1322.9	1328.3	1374.4	1401.5	1417.8
42.5°	1263.3	1268.7	1312.1	1347.3	1360.9
45°	1195.5	1209.1	1249.7	1287.7	1306.7
47.5°	1127.7	1146.7	1187.4	1230.8	1241.6
50°	1057.3	1076.2	1125.0	1160.3	1184.7
52.5°	984.1	1008.5	1057.3	1103.3	1125.0
55°	913.6	940.7	994.9	1041.0	1060.0
57.5°	837.7	870.2	929.8	978.6	1000.3
60°	767.2	794.3	859.4	910.9	935.3
62.5°	685.9	721.1	791.6	848.5	870.2
65°	610.0	656.0	726.5	780.7	805.1
67.5°	536.8	582.8	661.5	718.4	748.2
70°	458.1	509.7	593.7	658.8	691.3
72.5°	376.8	436.5	531.3	604.5	631.6
75°	306.3	371.4	469.0	547.6	577.4
77.5°	235.8	303.6	412.1	493.4	525.9
80°	165.4	241.3	360.6	444.6	474.4
82.5°	108.4	192.5	311.8	395.8	428.3
85°	56.9	146.4	268.4	355.1	384.9
87.5°	19.0	111.1	230.4	317.2	347.0
90°	2.7	86.7	197.9	279.2	311.8
92.5°	0.0	67.8	170.8	252.1	281.9
95°	0.0	54.2	149.1	225.0	252.1
97.5°	0.0	46.1	132.8	200.6	230.4
100°	0.0	40.7	116.6	181.6	206.0
102.5°	0.0	38.0	105.7	162.7	187.1
105°	0.0	35.2	94.9	149.1	170.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	27.1	75.9	116.6	132.8
115°	0.0	27.1	70.5	108.4	122.0
117.5°	0.0	24.4	67.8	100.3	113.9
120°	0.0	21.7	62.4	94.9	108.4
122.5°	0.0	21.7	56.9	89.5	100.3
125°	2.7	19.0	54.2	81.3	92.2
127.5°	2.7	19.0	51.5	75.9	86.7
130°	2.7	16.3	46.1	70.5	78.6
132.5°	2.7	16.3	43.4	65.1	73.2
135°	2.7	16.3	40.7	59.6	67.8
137.5°	2.7	13.6	35.2	54.2	62.4
140°	2.7	13.6	32.5	48.8	56.9
142.5°	2.7	13.6	29.8	43.4	51.5
145°	2.7	10.8	27.1	40.7	43.4
147.5°	2.7	10.8	24.4	35.2	40.7
150°	2.7	8.1	21.7	29.8	35.2
152.5°	2.7	8.1	19.0	27.1	29.8
155°	2.7	8.1	16.3	24.4	27.1
157.5°	2.7	8.1	13.6	21.7	21.7
160°	2.7	5.4	10.8	16.3	19.0
162.5°	2.7	5.4	10.8	13.6	16.3
165°	2.7	5.4	8.1	10.8	13.6
167.5°	2.7	2.7	5.4	8.1	10.8
170°	2.7	2.7	5.4	5.4	8.1
172.5°	2.7	2.7	2.7	2.7	5.4
175°	2.7	2.7	2.7	2.7	2.7
177.5°	2.7	2.7	2.7	0.0	0.0
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	32.5	89.5	135.5	157.2
110°	0.0	29.8	81.3	124.7	143.7



(END OF REPORT)