

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: P709732

Luminaire Tested: **4AWS-L3C3-UNV-3500K-HI**

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709732
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-UNV-3500K-HI
Description: 4foot, Adapt Surface Wrap with, RD lens and HI lumen setting,
3500K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

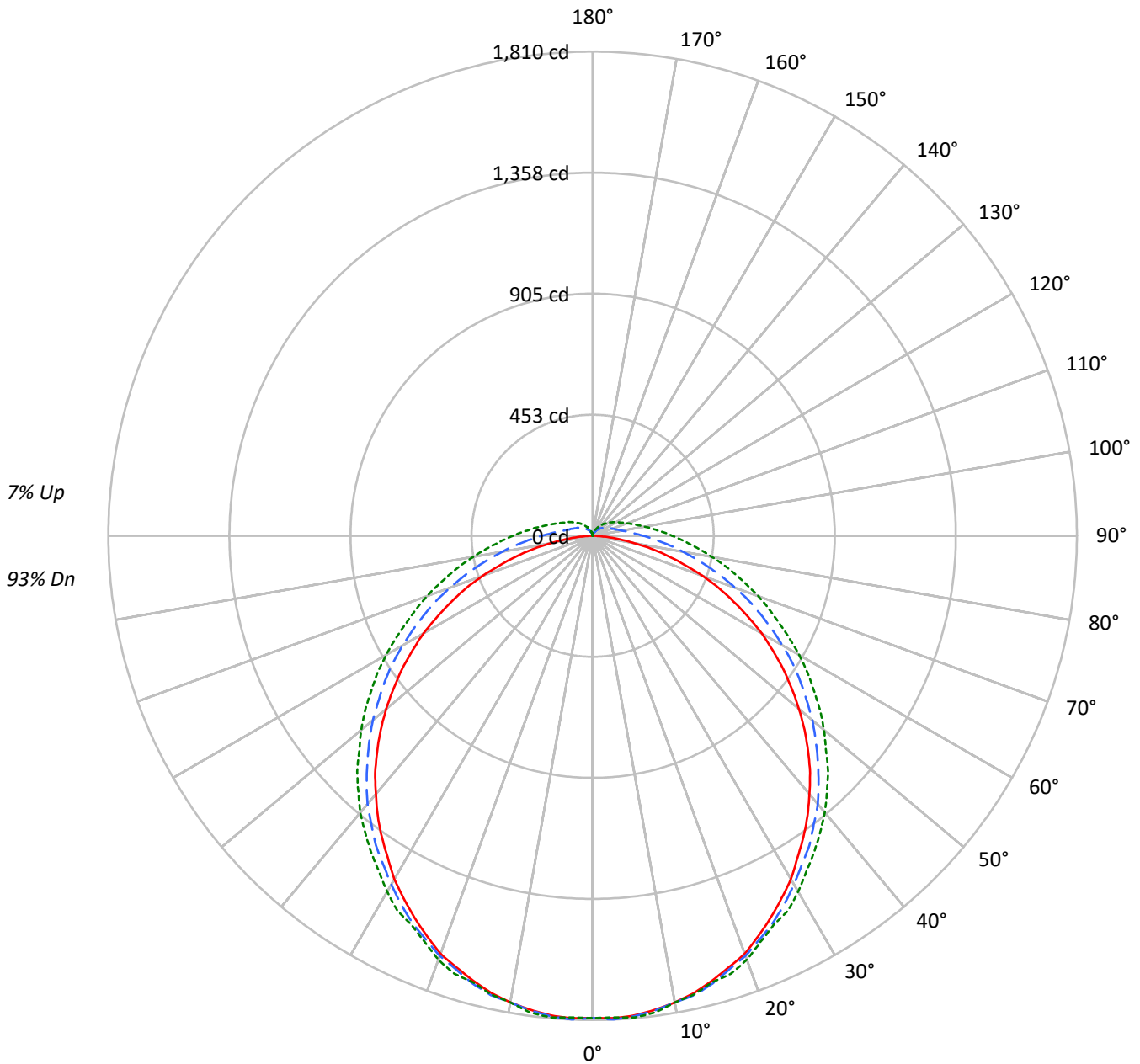
Lumens per Lamp: N/A
Luminaire Lumens: 5838.0 lumens
Efficiency: N/A
Efficacy: 121.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 3.71' x H: 0.12')
CIE Type: Direct

Input Watts (W): 48
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

TEST NUMBER: P709732

CATALOG NUMBER: 4AWS-L3C3-UNV-3500K-HI

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°	11368	11368	11368
5°	11363	11208	11189
10°	11281	10945	10846
15°	11150	10719	10543
20°	11032	10427	10336
25°	10799	10127	9949
30°	10597	9792	9725
35°	10343	9497	9397
40°	10101	9182	9122
45°	9840	8795	8805
50°	9515	8432	8446
55°	9146	8040	8088
60°	8730	7598	7741
65°	8109	7149	7339
70°	7391	6644	7074
75°	6345	6137	6791
80°	4834	5732	6620
85°	2864	5489	6665



TEST NUMBER: P709732

CATALOG NUMBER: 4AWS-L3C3-UNV-3500K-HI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.0	2.9
10°-20°	487.9	8.4
20°-30°	734.1	12.6
30°-40°	881.6	15.1
40°-50°	918.0	15.7
50°-60°	843.5	14.4
60°-70°	677.5	11.6
70°-80°	461.9	7.9
80°-90°	262.5	4.5
90°-100°	147.0	2.5
100°-110°	93.0	1.6
110°-120°	63.5	1.1
120°-130°	43.6	0.7
130°-140°	27.8	0.5
140°-150°	15.4	0.3
150°-160°	7.0	0.1
160°-170°	2.2	0.0
170°-180°	0.3	0.0
0°-30°	1393.1	23.9
0°-40°	2274.7	39.0
0°-60°	4036.3	69.1
0°-90°	5438.1	93.1
90°-120°	303.6	5.2
90°-150°	390.4	6.7
90°-180°	400.0	6.9
0°-180°	5838.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1802	1802	1802	1802	1802	
5°	1800	1802	1802	1805	1808	171
15°	1722	1720	1733	1738	1728	486
25°	1575	1575	1596	1611	1604	726
35°	1374	1382	1412	1433	1443	859
45°	1139	1152	1190	1226	1245	878
55°	870	896	948	992	1010	777
65°	581	625	692	744	767	576
75°	292	354	447	522	550	309
85°	54	139	256	338	367	67
90°	3	83	188	266	297	3
95°	0	52	142	214	240	0
105°	0	34	90	142	163	0
115°	0	26	67	103	116	0
125°	3	18	52	78	88	1
135°	3	16	39	57	65	2
145°	3	10	26	39	41	2
155°	3	8	16	23	26	1
165°	3	5	8	10	13	1
175°	3	3	3	3	3	0
180°	3	3	3	3	3	



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CATALOG NUMBER: 4AWS-L3C3-UNV-3500K-HI

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1802.4	1802.4	1802.4	1802.4	1802.4
2.5°	1805.0	1802.4	1810.1	1807.5	1802.4
5°	1799.8	1802.4	1802.4	1805.0	1807.5
7.5°	1786.9	1781.7	1789.5	1797.2	1797.2
10°	1771.4	1766.2	1771.4	1776.6	1771.4
12.5°	1750.7	1740.4	1758.5	1758.5	1755.9
15°	1722.3	1719.7	1732.7	1737.8	1727.5
17.5°	1691.3	1699.1	1699.1	1709.4	1717.2
20°	1662.9	1657.8	1670.7	1678.4	1686.2
22.5°	1619.0	1616.5	1632.0	1644.9	1642.3
25°	1575.1	1575.1	1595.8	1611.3	1603.5
27.5°	1528.7	1528.7	1551.9	1567.4	1580.3
30°	1482.2	1487.3	1505.4	1526.1	1536.4
32.5°	1425.4	1438.3	1456.4	1484.8	1487.3
35°	1373.7	1381.5	1412.5	1433.1	1443.4
37.5°	1319.5	1322.1	1358.2	1386.6	1397.0
40°	1260.1	1265.3	1309.2	1335.0	1350.5
42.5°	1203.3	1208.5	1249.8	1283.4	1296.3
45°	1138.8	1151.7	1190.4	1226.5	1244.6
47.5°	1074.2	1092.3	1131.0	1172.3	1182.6
50°	1007.1	1025.1	1071.6	1105.2	1128.4
52.5°	937.3	960.6	1007.1	1051.0	1071.6
55°	870.2	896.0	947.7	991.6	1009.6
57.5°	797.9	828.9	885.7	932.2	952.8
60°	730.8	756.6	818.6	867.6	890.9
62.5°	653.3	686.9	754.0	808.2	828.9
65°	581.0	624.9	692.0	743.7	766.9
67.5°	511.3	555.2	630.1	684.3	712.7
70°	436.4	485.5	565.5	627.5	658.5
72.5°	358.9	415.7	506.1	575.8	601.7
75°	291.8	353.8	446.7	521.6	550.0
77.5°	224.7	289.2	392.5	470.0	500.9
80°	157.5	229.8	343.4	423.5	451.9
82.5°	103.3	183.3	297.0	377.0	408.0
85°	54.2	139.4	255.6	338.3	366.7
87.5°	18.1	105.9	219.5	302.1	330.5
90°	2.6	82.6	188.5	266.0	297.0
92.5°	0.0	64.6	162.7	240.1	268.5
95°	0.0	51.6	142.0	214.3	240.1
97.5°	0.0	43.9	126.5	191.1	219.5
100°	0.0	38.7	111.0	173.0	196.2
102.5°	0.0	36.2	100.7	154.9	178.2
105°	0.0	33.6	90.4	142.0	162.7



TEST NUMBER: P709732

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	25.8	72.3	111.0	126.5
115°	0.0	25.8	67.1	103.3	116.2
117.5°	0.0	23.2	64.6	95.5	108.5
120°	0.0	20.7	59.4	90.4	103.3
122.5°	0.0	20.7	54.2	85.2	95.5
125°	2.6	18.1	51.6	77.5	87.8
127.5°	2.6	18.1	49.1	72.3	82.6
130°	2.6	15.5	43.9	67.1	74.9
132.5°	2.6	15.5	41.3	62.0	69.7
135°	2.6	15.5	38.7	56.8	64.6
137.5°	2.6	12.9	33.6	51.6	59.4
140°	2.6	12.9	31.0	46.5	54.2
142.5°	2.6	12.9	28.4	41.3	49.1
145°	2.6	10.3	25.8	38.7	41.3
147.5°	2.6	10.3	23.2	33.6	38.7
150°	2.6	7.7	20.7	28.4	33.6
152.5°	2.6	7.7	18.1	25.8	28.4
155°	2.6	7.7	15.5	23.2	25.8
157.5°	2.6	7.7	12.9	20.7	20.7
160°	2.6	5.2	10.3	15.5	18.1
162.5°	2.6	5.2	10.3	12.9	15.5
165°	2.6	5.2	7.7	10.3	12.9
167.5°	2.6	2.6	5.2	7.7	10.3
170°	2.6	2.6	5.2	5.2	7.7
172.5°	2.6	2.6	2.6	2.6	5.2
175°	2.6	2.6	2.6	2.6	2.6
177.5°	2.6	2.6	2.6	0.0	0.0
180°	2.6	2.6	2.6	2.6	2.6



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	31.0	85.2	129.1	149.8
110°	0.0	28.4	77.5	118.8	136.9



(END OF REPORT)