

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: P709759

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

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709759
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-UNV-3500K-HI
Description: 4foot, Adapt Surface Wrap with, RD lens and HI lumen setting,
3500K, 90CRI

Light Source: -
Ballast/Driver: -

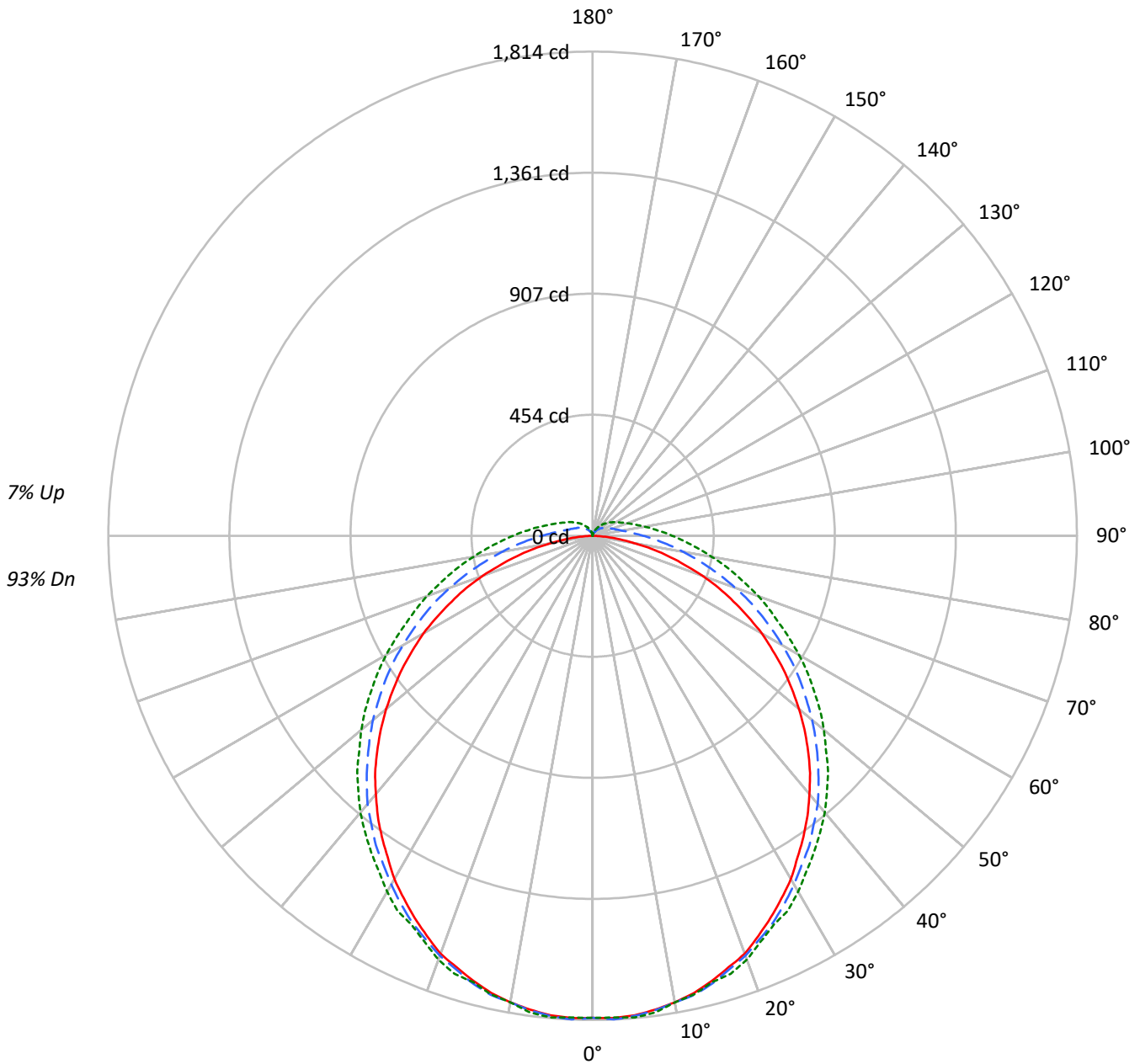
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5850.1 lumens
Efficiency: N/A
Efficacy: 119.4 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°	11391	11391	11391
5°	11386	11231	11212
10°	11304	10967	10868
15°	11173	10740	10564
20°	11055	10448	10357
25°	10821	10147	9969
30°	10618	9812	9745
35°	10365	9517	9417
40°	10122	9201	9141
45°	9859	8812	8823
50°	9534	8449	8464
55°	9165	8057	8105
60°	8748	7613	7756
65°	8125	7164	7355
70°	7406	6658	7088
75°	6358	6149	6805
80°	4843	5744	6633
85°	2869	5502	6677



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.4	2.9
10°-20°	488.9	8.4
20°-30°	735.6	12.6
30°-40°	883.4	15.1
40°-50°	919.9	15.7
50°-60°	845.3	14.4
60°-70°	678.9	11.6
70°-80°	462.8	7.9
80°-90°	263.1	4.5
90°-100°	147.3	2.5
100°-110°	93.2	1.6
110°-120°	63.6	1.1
120°-130°	43.7	0.7
130°-140°	27.8	0.5
140°-150°	15.5	0.3
150°-160°	7.0	0.1
160°-170°	2.2	0.0
170°-180°	0.3	0.0
0°-30°	1395.9	23.9
0°-40°	2279.4	39.0
0°-60°	4044.5	69.1
0°-90°	5449.3	93.1
90°-120°	304.2	5.2
90°-150°	391.2	6.7
90°-180°	401.0	6.9
0°-180°	5850.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1806	1806	1806	1806	1806	
5°	1804	1806	1806	1809	1811	171
15°	1726	1723	1736	1741	1731	487
25°	1578	1578	1599	1615	1607	728
35°	1377	1384	1415	1436	1446	861
45°	1141	1154	1193	1229	1247	880
55°	872	898	950	994	1012	778
65°	582	626	694	745	768	577
75°	292	354	448	523	551	310
85°	54	140	256	339	367	67
90°	3	83	189	266	298	3
95°	0	52	142	215	241	0
105°	0	34	91	142	163	0
115°	0	26	67	104	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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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1806.1	1806.1	1806.1	1806.1	1806.1
2.5°	1808.7	1806.1	1813.8	1811.3	1806.1
5°	1803.5	1806.1	1806.1	1808.7	1811.3
7.5°	1790.6	1785.4	1793.1	1800.9	1800.9
10°	1775.0	1769.9	1775.0	1780.2	1775.0
12.5°	1754.3	1744.0	1762.1	1762.1	1759.5
15°	1725.9	1723.3	1736.2	1741.4	1731.0
17.5°	1694.8	1702.6	1702.6	1712.9	1720.7
20°	1666.4	1661.2	1674.1	1681.9	1689.6
22.5°	1622.4	1619.8	1635.3	1648.2	1645.7
25°	1578.4	1578.4	1599.1	1614.6	1606.8
27.5°	1531.8	1531.8	1555.1	1570.6	1583.6
30°	1485.2	1490.4	1508.5	1529.2	1539.6
32.5°	1428.3	1441.2	1459.4	1487.8	1490.4
35°	1376.6	1384.3	1415.4	1436.1	1446.4
37.5°	1322.2	1324.8	1361.0	1389.5	1399.8
40°	1262.7	1267.9	1311.9	1337.7	1353.3
42.5°	1205.8	1211.0	1252.4	1286.0	1298.9
45°	1141.1	1154.0	1192.8	1229.1	1247.2
47.5°	1076.4	1094.5	1133.3	1174.7	1185.1
50°	1009.1	1027.2	1073.8	1107.5	1130.7
52.5°	939.3	962.6	1009.1	1053.1	1073.8
55°	872.0	897.9	949.6	993.6	1011.7
57.5°	799.5	830.6	887.5	934.1	954.8
60°	732.3	758.1	820.2	869.4	892.7
62.5°	654.6	688.3	755.6	809.9	830.6
65°	582.2	626.2	693.5	745.2	768.5
67.5°	512.3	556.3	631.4	685.7	714.2
70°	437.3	486.5	566.7	628.8	659.8
72.5°	359.7	416.6	507.2	577.0	602.9
75°	292.4	354.5	447.6	522.7	551.1
77.5°	225.1	289.8	393.3	470.9	502.0
80°	157.8	230.3	344.1	424.4	452.8
82.5°	103.5	183.7	297.6	377.8	408.8
85°	54.3	139.7	256.2	339.0	367.4
87.5°	18.1	106.1	219.9	302.7	331.2
90°	2.6	82.8	188.9	266.5	297.6
92.5°	0.0	64.7	163.0	240.6	269.1
95°	0.0	51.8	142.3	214.8	240.6
97.5°	0.0	44.0	126.8	191.5	219.9
100°	0.0	38.8	111.3	173.4	196.7
102.5°	0.0	36.2	100.9	155.3	178.5
105°	0.0	33.6	90.6	142.3	163.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	25.9	72.5	111.3	126.8
115°	0.0	25.9	67.3	103.5	116.4
117.5°	0.0	23.3	64.7	95.7	108.7
120°	0.0	20.7	59.5	90.6	103.5
122.5°	0.0	20.7	54.3	85.4	95.7
125°	2.6	18.1	51.8	77.6	88.0
127.5°	2.6	18.1	49.2	72.5	82.8
130°	2.6	15.5	44.0	67.3	75.0
132.5°	2.6	15.5	41.4	62.1	69.9
135°	2.6	15.5	38.8	56.9	64.7
137.5°	2.6	12.9	33.6	51.8	59.5
140°	2.6	12.9	31.1	46.6	54.3
142.5°	2.6	12.9	28.5	41.4	49.2
145°	2.6	10.4	25.9	38.8	41.4
147.5°	2.6	10.4	23.3	33.6	38.8
150°	2.6	7.8	20.7	28.5	33.6
152.5°	2.6	7.8	18.1	25.9	28.5
155°	2.6	7.8	15.5	23.3	25.9
157.5°	2.6	7.8	12.9	20.7	20.7
160°	2.6	5.2	10.4	15.5	18.1
162.5°	2.6	5.2	10.4	12.9	15.5
165°	2.6	5.2	7.8	10.4	12.9
167.5°	2.6	2.6	5.2	7.8	10.4
170°	2.6	2.6	5.2	5.2	7.8
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	31.1	85.4	129.4	150.1
110°	0.0	28.5	77.6	119.0	137.1



(END OF REPORT)