

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: P709745

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

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709745
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-LOW
Description: 4foot, Adapt Surface Wrap with, RD lens and LOW lumen setting,
3500K, 90CRI

Light Source: -
Ballast/Driver: -

Summary

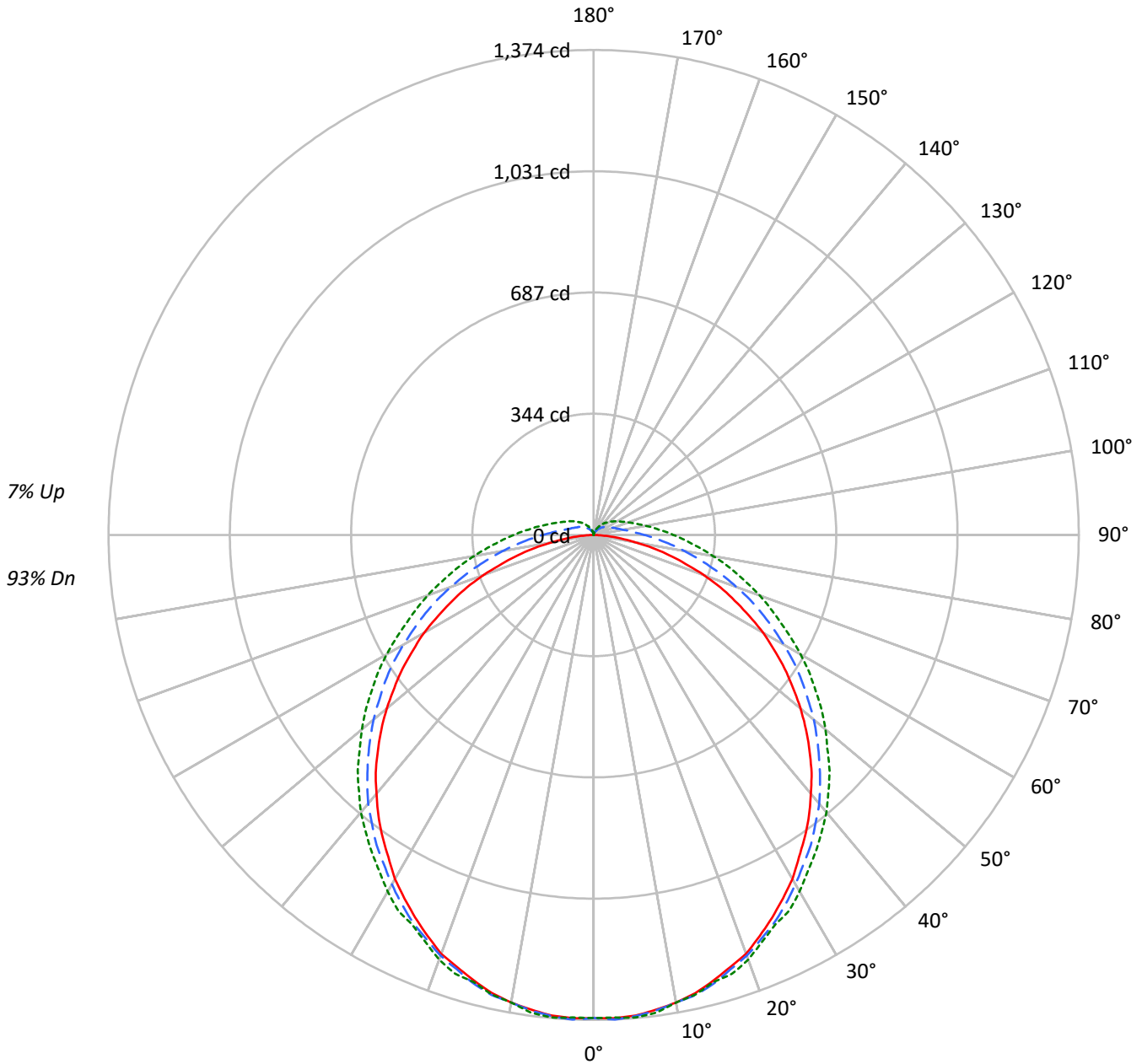
Lumens per Lamp: N/A
Luminaire Lumens: 4433.0 lumens
Efficiency: N/A
Efficacy: 138.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 3.71' x H: 0.12')
CIE Type: Direct

Input Watts (W): 32
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				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°	8632	8632	8632
5°	8628	8511	8496
10°	8566	8311	8236
15°	8466	8139	8005
20°	8377	7917	7849
25°	8200	7689	7555
30°	8047	7435	7384
35°	7854	7211	7136
40°	7670	6972	6927
45°	7471	6678	6686
50°	7225	6402	6414
55°	6946	6105	6142
60°	6628	5769	5878
65°	6157	5429	5573
70°	5613	5045	5371
75°	4819	4660	5156
80°	3671	4354	5026
85°	2177	4168	5060



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.9	2.9
10°-20°	370.5	8.4
20°-30°	557.4	12.6
30°-40°	669.4	15.1
40°-50°	697.1	15.7
50°-60°	640.5	14.4
60°-70°	514.4	11.6
70°-80°	350.7	7.9
80°-90°	199.3	4.5
90°-100°	111.6	2.5
100°-110°	70.6	1.6
110°-120°	48.2	1.1
120°-130°	33.1	0.7
130°-140°	21.1	0.5
140°-150°	11.7	0.3
150°-160°	5.3	0.1
160°-170°	1.7	0.0
170°-180°	0.2	0.0
0°-30°	1057.8	23.9
0°-40°	1727.2	39.0
0°-60°	3064.9	69.1
0°-90°	4129.3	93.1
90°-120°	230.5	5.2
90°-150°	296.4	6.7
90°-180°	304.0	6.9
0°-180°	4433.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1369	1369	1369	1369	1369	
5°	1367	1369	1369	1371	1372	130
15°	1308	1306	1316	1320	1312	369
25°	1196	1196	1212	1224	1218	551
35°	1043	1049	1072	1088	1096	653
45°	865	874	904	931	945	667
55°	661	680	720	753	767	590
65°	441	474	526	565	582	438
75°	222	269	339	396	418	235
85°	41	106	194	257	278	51
90°	2	63	143	202	226	2
95°	0	39	108	163	182	0
105°	0	26	69	108	124	0
115°	0	20	51	78	88	0
125°	2	14	39	59	67	1
135°	2	12	29	43	49	2
145°	2	8	20	29	31	1
155°	2	6	12	18	20	1
165°	2	4	6	8	10	1
175°	2	2	2	2	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1368.6	1368.6	1368.6	1368.6	1368.6
2.5°	1370.6	1368.6	1374.5	1372.5	1368.6
5°	1366.6	1368.6	1368.6	1370.6	1372.5
7.5°	1356.8	1352.9	1358.8	1364.7	1364.7
10°	1345.1	1341.2	1345.1	1349.0	1345.1
12.5°	1329.4	1321.5	1335.3	1335.3	1333.3
15°	1307.8	1305.9	1315.7	1319.6	1311.7
17.5°	1284.3	1290.2	1290.2	1298.0	1303.9
20°	1262.7	1258.8	1268.6	1274.5	1280.4
22.5°	1229.4	1227.4	1239.2	1249.0	1247.0
25°	1196.1	1196.1	1211.7	1223.5	1217.6
27.5°	1160.8	1160.8	1178.4	1190.2	1200.0
30°	1125.5	1129.4	1143.1	1158.8	1166.6
32.5°	1082.3	1092.1	1105.9	1127.4	1129.4
35°	1043.1	1049.0	1072.5	1088.2	1096.1
37.5°	1001.9	1003.9	1031.4	1052.9	1060.8
40°	956.8	960.8	994.1	1013.7	1025.5
42.5°	913.7	917.6	949.0	974.5	984.3
45°	864.7	874.5	903.9	931.4	945.1
47.5°	815.7	829.4	858.8	890.2	898.0
50°	764.7	778.4	813.7	839.2	856.9
52.5°	711.8	729.4	764.7	798.0	813.7
55°	660.8	680.4	719.6	752.9	766.7
57.5°	605.9	629.4	672.5	707.8	723.5
60°	554.9	574.5	621.6	658.8	676.5
62.5°	496.1	521.6	572.5	613.7	629.4
65°	441.2	474.5	525.5	564.7	582.3
67.5°	388.2	421.6	478.4	519.6	541.2
70°	331.4	368.6	429.4	476.5	500.0
72.5°	272.5	315.7	384.3	437.2	456.9
75°	221.6	268.6	339.2	396.1	417.6
77.5°	170.6	219.6	298.0	356.9	380.4
80°	119.6	174.5	260.8	321.6	343.1
82.5°	78.4	139.2	225.5	286.3	309.8
85°	41.2	105.9	194.1	256.9	278.4
87.5°	13.7	80.4	166.7	229.4	251.0
90°	2.0	62.7	143.1	202.0	225.5
92.5°	0.0	49.0	123.5	182.4	203.9
95°	0.0	39.2	107.8	162.7	182.4
97.5°	0.0	33.3	96.1	145.1	166.7
100°	0.0	29.4	84.3	131.4	149.0
102.5°	0.0	27.5	76.5	117.6	135.3
105°	0.0	25.5	68.6	107.8	123.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	19.6	54.9	84.3	96.1
115°	0.0	19.6	51.0	78.4	88.2
117.5°	0.0	17.6	49.0	72.5	82.4
120°	0.0	15.7	45.1	68.6	78.4
122.5°	0.0	15.7	41.2	64.7	72.5
125°	2.0	13.7	39.2	58.8	66.7
127.5°	2.0	13.7	37.3	54.9	62.7
130°	2.0	11.8	33.3	51.0	56.9
132.5°	2.0	11.8	31.4	47.1	52.9
135°	2.0	11.8	29.4	43.1	49.0
137.5°	2.0	9.8	25.5	39.2	45.1
140°	2.0	9.8	23.5	35.3	41.2
142.5°	2.0	9.8	21.6	31.4	37.3
145°	2.0	7.8	19.6	29.4	31.4
147.5°	2.0	7.8	17.6	25.5	29.4
150°	2.0	5.9	15.7	21.6	25.5
152.5°	2.0	5.9	13.7	19.6	21.6
155°	2.0	5.9	11.8	17.6	19.6
157.5°	2.0	5.9	9.8	15.7	15.7
160°	2.0	3.9	7.8	11.8	13.7
162.5°	2.0	3.9	7.8	9.8	11.8
165°	2.0	3.9	5.9	7.8	9.8
167.5°	2.0	2.0	3.9	5.9	7.8
170°	2.0	2.0	3.9	3.9	5.9
172.5°	2.0	2.0	2.0	2.0	3.9
175°	2.0	2.0	2.0	2.0	2.0
177.5°	2.0	2.0	2.0	0.0	0.0
180°	2.0	2.0	2.0	2.0	2.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	23.5	64.7	98.0	113.7
110°	0.0	21.6	58.8	90.2	103.9



(END OF REPORT)