

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: P709874

Luminaire Tested: **4AWWS-L3C39-UNV-5000K-LOW**

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709874
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2307-090-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4AWS-L3C39-UNV-5000K-LOW
Description: 4foot, Wide Adapt Surface Wrap with, RD lens and LOW lumen setting,
5000K, 90CRI

Light Source: -
Ballast/Driver: -

Summary

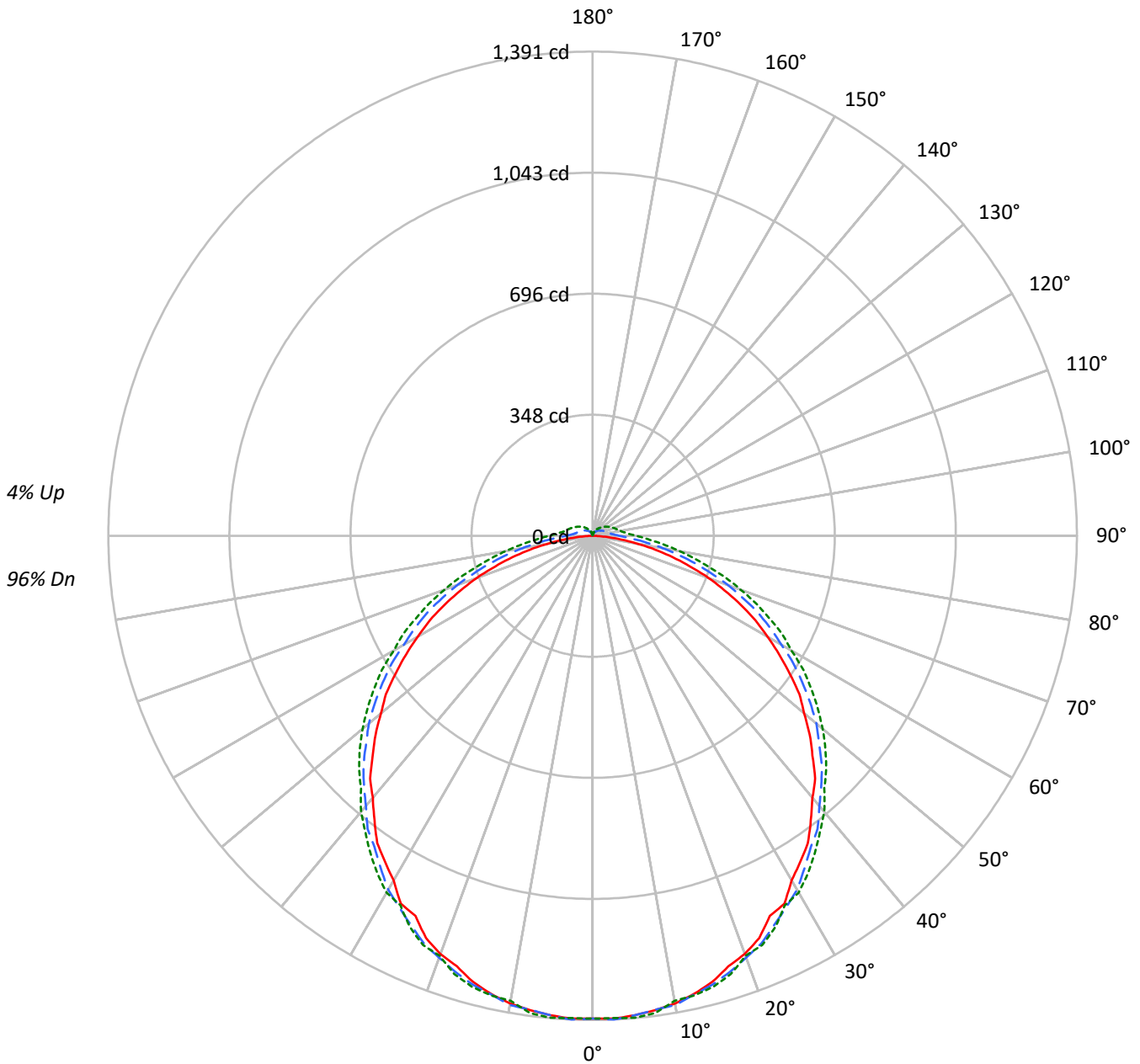
Lumens per Lamp: N/A
Luminaire Lumens: 4278.0 lumens
Efficiency: N/A
Efficacy: 129.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.27 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 3.71' x H: 0.17')
CIE Type: Direct

Input Watts (W): 33
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	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96																			
1	107	102	97	93	104	99	95	91	94	91	88	90	87	84	85	83	81	79																			
2	97	89	81	76	94	86	80	74	82	77	72	78	74	70	74	71	67	65																			
3	88	78	69	62	85	76	68	62	72	65	60	69	63	58	66	61	57	54																			
4	81	69	60	53	78	67	59	52	64	57	51	61	55	50	58	53	49	46																			
5	74	61	52	45	72	60	51	45	57	50	44	55	48	43	52	47	42	40																			
6	68	55	46	39	66	54	45	39	52	44	38	49	43	38	47	42	37	35																			
7	63	50	41	35	61	49	40	34	47	39	34	45	38	33	43	37	33	31																			
8	59	45	37	31	57	45	36	31	43	35	30	41	35	30	40	34	29	27																			
9	55	42	33	28	53	41	33	28	39	32	27	38	32	27	37	31	26	25																			
10	52	38	30	25	50	38	30	25	36	29	25	35	29	24	34	28	24	22																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4848	4848	4848
5°	4833	4778	4791
10°	4805	4712	4647
15°	4745	4609	4601
20°	4678	4506	4445
25°	4549	4396	4369
30°	4497	4299	4273
35°	4458	4146	4153
40°	4316	4023	4030
45°	4222	3908	3893
50°	4089	3767	3770
55°	3955	3579	3614
60°	3757	3349	3403
65°	3541	3144	3214
70°	3220	2840	2957
75°	2744	2466	2641
80°	2068	2053	2358
85°	1098	1641	2104



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.7	3.1
10°-20°	376.3	8.8
20°-30°	567.7	13.3
30°-40°	685.2	16.0
40°-50°	714.0	16.7
50°-60°	654.4	15.3
60°-70°	513.2	12.0
70°-80°	317.3	7.4
80°-90°	134.5	3.1
90°-100°	58.9	1.4
100°-110°	41.8	1.0
110°-120°	31.4	0.7
120°-130°	22.4	0.5
130°-140°	14.7	0.3
140°-150°	8.7	0.2
150°-160°	4.2	0.1
160°-170°	1.4	0.0
170°-180°	0.2	0.0
0°-30°	1075.6	25.1
0°-40°	1760.8	41.2
0°-60°	3129.2	73.1
0°-90°	4094.3	95.7
90°-120°	132.1	3.1
90°-150°	178.0	4.2
90°-180°	184.0	4.3
0°-180°	4278.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1387	1387	1387	1387	1387	
5°	1383	1386	1383	1383	1390	131
15°	1327	1330	1334	1338	1341	374
25°	1205	1226	1234	1235	1241	560
35°	1078	1082	1092	1110	1113	670
45°	893	904	931	945	949	690
55°	691	710	736	751	766	618
65°	470	488	524	545	559	464
75°	238	263	303	337	345	253
85°	42	75	124	160	175	53
90°	3	32	76	110	124	3
95°	0	21	56	84	96	0
105°	0	15	42	64	72	0
115°	0	12	33	52	58	0
125°	0	11	26	39	46	0
135°	0	8	21	29	35	0
145°	1	7	15	21	24	1
155°	1	4	10	14	15	1
165°	1	3	4	7	7	0
175°	1	1	1	1	3	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1387.0	1387.0	1387.0	1387.0	1387.0
2.5°	1388.4	1393.9	1391.2	1388.4	1387.0
5°	1382.8	1385.6	1382.8	1382.8	1389.8
7.5°	1374.5	1378.6	1373.1	1381.4	1382.8
10°	1364.7	1370.3	1368.9	1371.7	1356.4
12.5°	1348.0	1355.0	1349.4	1356.4	1352.2
15°	1327.2	1330.0	1334.1	1338.3	1341.1
17.5°	1296.6	1309.1	1313.3	1317.4	1320.2
20°	1278.5	1285.4	1289.6	1288.2	1284.0
22.5°	1250.7	1254.8	1267.3	1264.6	1272.9
25°	1204.7	1225.6	1234.0	1235.4	1240.9
27.5°	1192.2	1193.6	1203.4	1211.7	1196.4
30°	1143.5	1160.2	1174.1	1178.3	1183.9
32.5°	1110.1	1124.1	1132.4	1147.7	1150.5
35°	1078.2	1082.3	1092.1	1110.1	1112.9
37.5°	1029.5	1042.0	1061.5	1071.2	1072.6
40°	982.2	997.5	1012.8	1023.9	1035.0
42.5°	946.0	954.3	972.4	986.3	984.9
45°	893.1	904.3	930.7	944.6	948.8
47.5°	845.8	862.5	882.0	902.9	907.0
50°	793.0	811.0	838.9	854.2	862.5
52.5°	748.4	759.6	787.4	802.7	815.2
55°	691.4	709.5	735.9	751.2	766.5
57.5°	635.8	658.0	684.5	709.5	717.8
60°	580.1	602.4	626.0	653.8	659.4
62.5°	527.3	550.9	575.9	603.8	614.9
65°	470.2	488.3	524.5	545.3	559.2
67.5°	410.4	432.7	467.4	491.1	507.8
70°	354.7	379.8	413.2	442.4	452.1
72.5°	293.5	324.1	356.1	386.7	400.7
75°	237.9	262.9	303.3	336.7	345.0
77.5°	185.0	208.7	251.8	285.2	297.7
80°	129.4	158.6	204.5	237.9	253.2
82.5°	82.1	112.7	160.0	196.2	212.8
85°	41.7	75.1	123.8	160.0	175.3
87.5°	13.9	47.3	94.6	132.2	147.5
90°	2.8	32.0	76.5	109.9	123.8
92.5°	0.0	23.6	64.0	94.6	107.1
95°	0.0	20.9	55.6	83.5	96.0
97.5°	0.0	19.5	51.5	76.5	86.3
100°	0.0	18.1	47.3	70.9	80.7
102.5°	0.0	16.7	44.5	66.8	76.5
105°	0.0	15.3	41.7	64.0	72.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	13.9	36.2	52.9	61.2
115°	0.0	12.5	33.4	51.5	58.4
117.5°	0.0	12.5	32.0	47.3	54.3
120°	0.0	11.1	29.2	44.5	51.5
122.5°	0.0	11.1	27.8	43.1	48.7
125°	0.0	11.1	26.4	39.0	45.9
127.5°	0.0	9.7	25.0	37.6	41.7
130°	0.0	9.7	23.6	34.8	39.0
132.5°	0.0	8.3	22.3	32.0	36.2
135°	0.0	8.3	20.9	29.2	34.8
137.5°	0.0	8.3	19.5	27.8	30.6
140°	0.0	7.0	18.1	25.0	29.2
142.5°	1.4	7.0	15.3	23.6	26.4
145°	1.4	7.0	15.3	20.9	23.6
147.5°	1.4	5.6	13.9	19.5	22.3
150°	1.4	5.6	12.5	16.7	19.5
152.5°	1.4	4.2	11.1	15.3	16.7
155°	1.4	4.2	9.7	13.9	15.3
157.5°	1.4	4.2	8.3	11.1	12.5
160°	1.4	2.8	7.0	9.7	11.1
162.5°	1.4	2.8	5.6	8.3	9.7
165°	1.4	2.8	4.2	7.0	7.0
167.5°	1.4	2.8	4.2	5.6	5.6
170°	1.4	1.4	2.8	4.2	4.2
172.5°	1.4	1.4	2.8	2.8	2.8
175°	1.4	1.4	1.4	1.4	2.8
177.5°	1.4	1.4	1.4	1.4	1.4
180°	1.4	1.4	1.4	1.4	1.4



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	15.3	40.3	59.8	68.2
110°	0.0	13.9	37.6	57.0	65.4



(END OF REPORT)