

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: P709868

Luminaire Tested: **4AWWS-L3C39-UNV-3500K-LOW**

Issue Date: 9/26/2023



Test Information

Test Method: LM-79-08
Report Number: P709868
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-3500K-LOW
Description: 4foot, Wide Adapt Surface Wrap with, RD lens and LOW lumen setting,
3500K, 90CRI

Light Source: -
Ballast/Driver: -

Summary

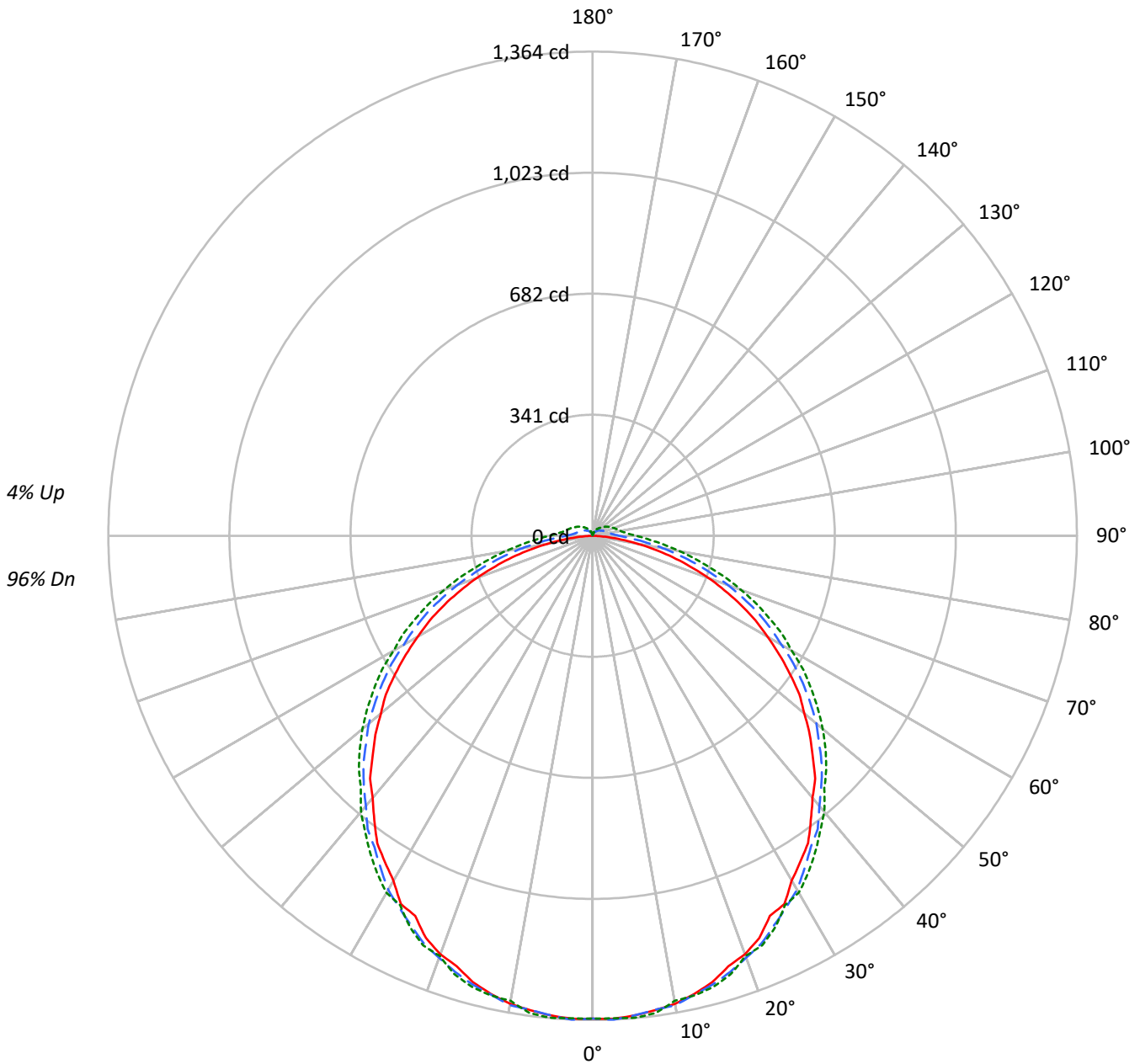
Lumens per Lamp: N/A
Luminaire Lumens: 4196.0 lumens
Efficiency: N/A
Efficacy: 127.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.27 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 3.71' x H: 0.17')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4755	4755	4755
5°	4740	4686	4699
10°	4713	4621	4558
15°	4654	4521	4513
20°	4588	4420	4360
25°	4462	4312	4285
30°	4410	4217	4191
35°	4372	4066	4074
40°	4233	3946	3953
45°	4141	3833	3818
50°	4011	3694	3698
55°	3879	3510	3545
60°	3685	3284	3338
65°	3473	3083	3152
70°	3158	2786	2901
75°	2691	2418	2590
80°	2028	2014	2312
85°	1077	1609	2064



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.1	3.1
10°-20°	369.0	8.8
20°-30°	556.8	13.3
30°-40°	672.0	16.0
40°-50°	700.3	16.7
50°-60°	641.9	15.3
60°-70°	503.4	12.0
70°-80°	311.2	7.4
80°-90°	131.9	3.1
90°-100°	57.8	1.4
100°-110°	41.0	1.0
110°-120°	30.8	0.7
120°-130°	22.0	0.5
130°-140°	14.5	0.3
140°-150°	8.6	0.2
150°-160°	4.1	0.1
160°-170°	1.3	0.0
170°-180°	0.2	0.0
0°-30°	1055.0	25.1
0°-40°	1727.0	41.2
0°-60°	3069.2	73.1
0°-90°	4015.8	95.7
90°-120°	129.6	3.1
90°-150°	174.6	4.2
90°-180°	180.0	4.3
0°-180°	4196.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1360	1360	1360	1360	1360	
5°	1356	1359	1356	1356	1363	129
15°	1302	1304	1309	1313	1315	367
25°	1182	1202	1210	1212	1217	550
35°	1058	1062	1071	1089	1092	657
45°	876	887	913	926	931	676
55°	678	696	722	737	752	606
65°	461	479	514	535	548	455
75°	233	258	298	330	338	248
85°	41	74	121	157	172	52
90°	3	31	75	108	121	3
95°	0	20	55	82	94	0
105°	0	15	41	63	71	0
115°	0	12	33	50	57	0
125°	0	11	26	38	45	0
135°	0	8	20	29	34	0
145°	1	7	15	20	23	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°	1360.4	1360.4	1360.4	1360.4	1360.4
2.5°	1361.8	1367.2	1364.5	1361.8	1360.4
5°	1356.3	1359.0	1356.3	1356.3	1363.1
7.5°	1348.1	1352.2	1346.8	1354.9	1356.3
10°	1338.6	1344.0	1342.7	1345.4	1330.4
12.5°	1322.2	1329.0	1323.6	1330.4	1326.3
15°	1301.7	1304.5	1308.6	1312.6	1315.4
17.5°	1271.7	1284.0	1288.1	1292.2	1294.9
20°	1254.0	1260.8	1264.9	1263.5	1259.4
22.5°	1226.7	1230.8	1243.1	1240.3	1248.5
25°	1181.7	1202.1	1210.3	1211.7	1217.1
27.5°	1169.4	1170.7	1180.3	1188.5	1173.5
30°	1121.6	1138.0	1151.6	1155.7	1161.2
32.5°	1088.9	1102.5	1110.7	1125.7	1128.4
35°	1057.5	1061.6	1071.1	1088.9	1091.6
37.5°	1009.7	1022.0	1041.1	1050.7	1052.0
40°	963.3	978.3	993.4	1004.3	1015.2
42.5°	927.9	936.0	953.8	967.4	966.1
45°	876.0	886.9	912.8	926.5	930.6
47.5°	829.6	846.0	865.1	885.6	889.7
50°	777.8	795.5	822.8	837.8	846.0
52.5°	734.1	745.0	772.3	787.3	799.6
55°	678.2	695.9	721.8	736.8	751.8
57.5°	623.6	645.4	671.3	695.9	704.1
60°	569.0	590.8	614.0	641.3	646.8
62.5°	517.1	540.3	564.9	592.2	603.1
65°	461.2	478.9	514.4	534.9	548.5
67.5°	402.5	424.4	458.5	481.7	498.0
70°	347.9	372.5	405.3	433.9	443.5
72.5°	287.9	317.9	349.3	379.3	393.0
75°	233.3	257.9	297.5	330.2	338.4
77.5°	181.5	204.7	247.0	279.7	292.0
80°	126.9	155.6	200.6	233.3	248.3
82.5°	80.5	110.5	156.9	192.4	208.8
85°	40.9	73.7	121.4	156.9	171.9
87.5°	13.6	46.4	92.8	129.6	144.6
90°	2.7	31.4	75.0	107.8	121.4
92.5°	0.0	23.2	62.8	92.8	105.1
95°	0.0	20.5	54.6	81.9	94.2
97.5°	0.0	19.1	50.5	75.0	84.6
100°	0.0	17.7	46.4	69.6	79.1
102.5°	0.0	16.4	43.7	65.5	75.0
105°	0.0	15.0	40.9	62.8	71.0



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CATALOG NUMBER: 4AWWS-L3C39-UNV-3500K-LOW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	13.6	35.5	51.9	60.0
115°	0.0	12.3	32.7	50.5	57.3
117.5°	0.0	12.3	31.4	46.4	53.2
120°	0.0	10.9	28.7	43.7	50.5
122.5°	0.0	10.9	27.3	42.3	47.8
125°	0.0	10.9	25.9	38.2	45.0
127.5°	0.0	9.6	24.6	36.8	40.9
130°	0.0	9.6	23.2	34.1	38.2
132.5°	0.0	8.2	21.8	31.4	35.5
135°	0.0	8.2	20.5	28.7	34.1
137.5°	0.0	8.2	19.1	27.3	30.0
140°	0.0	6.8	17.7	24.6	28.7
142.5°	1.4	6.8	15.0	23.2	25.9
145°	1.4	6.8	15.0	20.5	23.2
147.5°	1.4	5.5	13.6	19.1	21.8
150°	1.4	5.5	12.3	16.4	19.1
152.5°	1.4	4.1	10.9	15.0	16.4
155°	1.4	4.1	9.6	13.6	15.0
157.5°	1.4	4.1	8.2	10.9	12.3
160°	1.4	2.7	6.8	9.6	10.9
162.5°	1.4	2.7	5.5	8.2	9.6
165°	1.4	2.7	4.1	6.8	6.8
167.5°	1.4	2.7	4.1	5.5	5.5
170°	1.4	1.4	2.7	4.1	4.1
172.5°	1.4	1.4	2.7	2.7	2.7
175°	1.4	1.4	1.4	1.4	2.7
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	15.0	39.6	58.7	66.9
110°	0.0	13.6	36.8	55.9	64.1



(END OF REPORT)