

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: P709859

Luminaire Tested: **4AWWS-L3C3-UNV-3500K-LOW**

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709859
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-L3C3-UNV-3500K-LOW
Description: 4foot, Wide Adapt Surface Wrap with, RD lens and LOW lumen setting,
3500K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

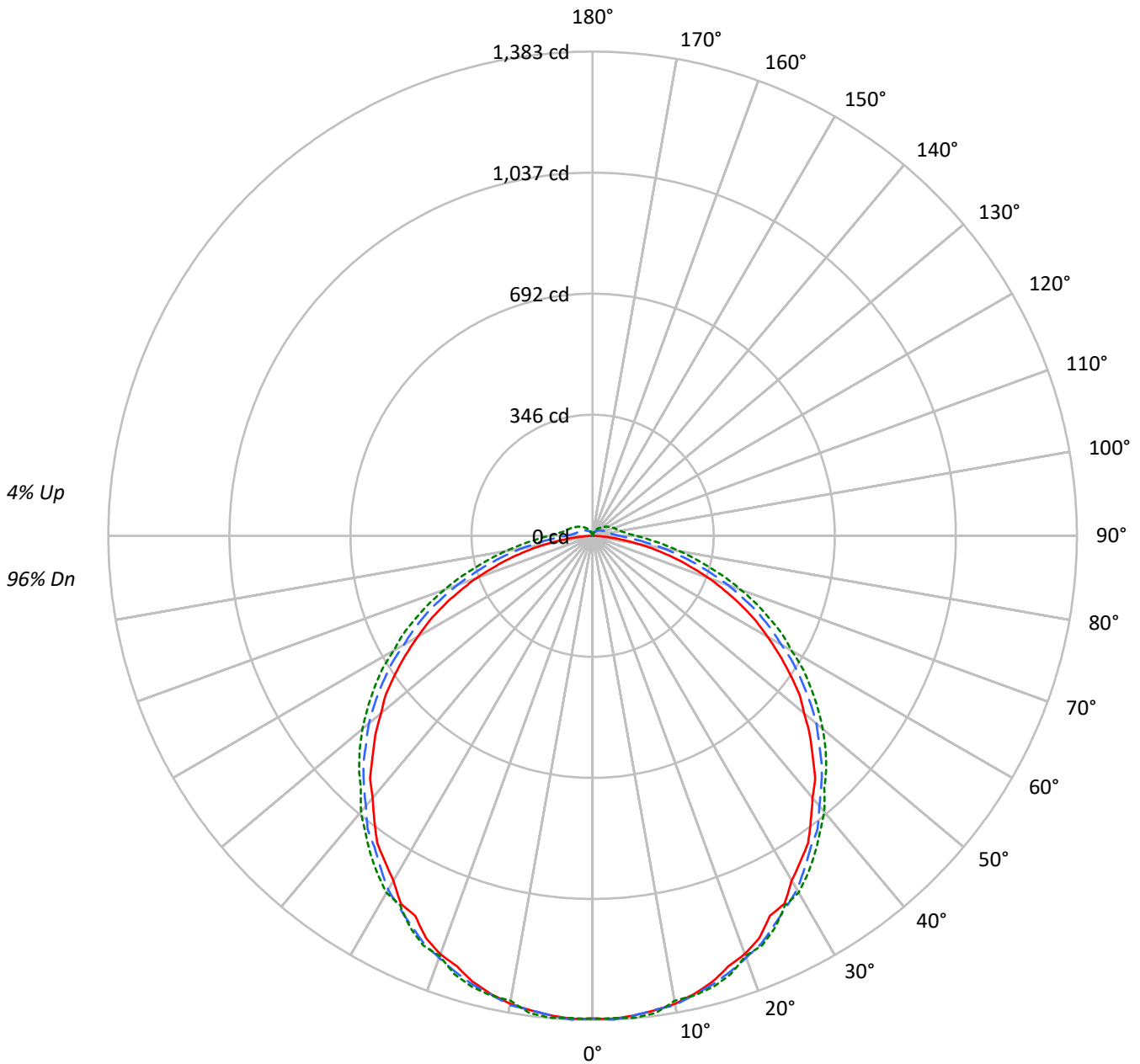
Lumens per Lamp: N/A
Luminaire Lumens: 4254.1 lumens
Efficiency: N/A
Efficacy: 132.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.27 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 3.71' x H: 0.17')
CIE Type: Direct

Input Watts (W): 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				
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°	4821	4821	4821
5°	4806	4751	4764
10°	4778	4685	4621
15°	4718	4583	4575
20°	4652	4481	4420
25°	4524	4371	4345
30°	4471	4275	4249
35°	4433	4122	4130
40°	4292	4001	4008
45°	4198	3886	3871
50°	4066	3745	3749
55°	3933	3559	3594
60°	3737	3330	3384
65°	3522	3126	3196
70°	3203	2824	2940
75°	2729	2452	2626
80°	2056	2042	2345
85°	1092	1632	2092



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.9	3.1
10°-20°	374.1	8.8
20°-30°	564.5	13.3
30°-40°	681.3	16.0
40°-50°	710.0	16.7
50°-60°	650.8	15.3
60°-70°	510.4	12.0
70°-80°	315.5	7.4
80°-90°	133.8	3.1
90°-100°	58.6	1.4
100°-110°	41.6	1.0
110°-120°	31.2	0.7
120°-130°	22.3	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
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0°-30°	1069.6	25.1
0°-40°	1750.9	41.2
0°-60°	3111.7	73.1
0°-90°	4071.3	95.7
90°-120°	131.4	3.1
90°-150°	177.0	4.2
90°-180°	183.0	4.3
0°-180°	4254.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1379	1379	1379	1379	1379	
5°	1375	1378	1375	1375	1382	131
15°	1320	1322	1327	1331	1334	372
25°	1198	1219	1227	1228	1234	557
35°	1072	1076	1086	1104	1107	667
45°	888	899	926	939	943	686
55°	688	706	732	747	762	614
65°	468	486	522	542	556	461
75°	237	262	302	335	343	251
85°	42	75	123	159	174	53
90°	3	32	76	109	123	3
95°	0	21	55	83	96	0
105°	0	15	42	64	72	0
115°	0	12	33	51	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	



TEST NUMBER: P709859

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1379.2	1379.2	1379.2	1379.2	1379.2
2.5°	1380.6	1386.1	1383.4	1380.6	1379.2
5°	1375.1	1377.8	1375.1	1375.1	1382.0
7.5°	1366.8	1370.9	1365.4	1373.7	1375.1
10°	1357.1	1362.6	1361.2	1364.0	1348.8
12.5°	1340.5	1347.4	1341.9	1348.8	1344.6
15°	1319.7	1322.5	1326.6	1330.8	1333.6
17.5°	1289.3	1301.7	1305.9	1310.0	1312.8
20°	1271.3	1278.2	1282.4	1281.0	1276.8
22.5°	1243.6	1247.8	1260.2	1257.5	1265.8
25°	1198.0	1218.7	1227.0	1228.4	1234.0
27.5°	1185.5	1186.9	1196.6	1204.9	1189.7
30°	1137.1	1153.7	1167.6	1171.7	1177.2
32.5°	1103.9	1117.8	1126.1	1141.3	1144.0
35°	1072.1	1076.3	1085.9	1103.9	1106.7
37.5°	1023.7	1036.1	1055.5	1065.2	1066.6
40°	976.7	991.9	1007.1	1018.2	1029.2
42.5°	940.7	949.0	967.0	980.8	979.4
45°	888.1	899.2	925.5	939.3	943.4
47.5°	841.1	857.7	877.0	897.8	901.9
50°	788.5	806.5	834.2	849.4	857.7
52.5°	744.2	755.3	783.0	798.2	810.6
55°	687.5	705.5	731.8	747.0	762.2
57.5°	632.2	654.3	680.6	705.5	713.8
60°	576.9	599.0	622.5	650.2	655.7
62.5°	524.3	547.8	572.7	600.4	611.4
65°	467.6	485.6	521.5	542.3	556.1
67.5°	408.1	430.2	464.8	488.3	504.9
70°	352.8	377.7	410.9	439.9	449.6
72.5°	291.9	322.3	354.1	384.6	398.4
75°	236.6	261.5	301.6	334.8	343.1
77.5°	184.0	207.5	250.4	283.6	296.0
80°	128.7	157.7	203.4	236.6	251.8
82.5°	81.6	112.1	159.1	195.1	211.7
85°	41.5	74.7	123.1	159.1	174.3
87.5°	13.8	47.0	94.1	131.4	146.6
90°	2.8	31.8	76.1	109.3	123.1
92.5°	0.0	23.5	63.6	94.1	106.5
95°	0.0	20.8	55.3	83.0	95.5
97.5°	0.0	19.4	51.2	76.1	85.8
100°	0.0	18.0	47.0	70.6	80.2
102.5°	0.0	16.6	44.3	66.4	76.1
105°	0.0	15.2	41.5	63.6	71.9



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CATALOG NUMBER: 4AWWS-L3C3-UNV-3500K-LOW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	13.8	36.0	52.6	60.9
115°	0.0	12.5	33.2	51.2	58.1
117.5°	0.0	12.5	31.8	47.0	54.0
120°	0.0	11.1	29.1	44.3	51.2
122.5°	0.0	11.1	27.7	42.9	48.4
125°	0.0	11.1	26.3	38.7	45.7
127.5°	0.0	9.7	24.9	37.4	41.5
130°	0.0	9.7	23.5	34.6	38.7
132.5°	0.0	8.3	22.1	31.8	36.0
135°	0.0	8.3	20.8	29.1	34.6
137.5°	0.0	8.3	19.4	27.7	30.4
140°	0.0	6.9	18.0	24.9	29.1
142.5°	1.4	6.9	15.2	23.5	26.3
145°	1.4	6.9	15.2	20.8	23.5
147.5°	1.4	5.5	13.8	19.4	22.1
150°	1.4	5.5	12.5	16.6	19.4
152.5°	1.4	4.2	11.1	15.2	16.6
155°	1.4	4.2	9.7	13.8	15.2
157.5°	1.4	4.2	8.3	11.1	12.5
160°	1.4	2.8	6.9	9.7	11.1
162.5°	1.4	2.8	5.5	8.3	9.7
165°	1.4	2.8	4.2	6.9	6.9
167.5°	1.4	2.8	4.2	5.5	5.5
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	15.2	40.1	59.5	67.8
110°	0.0	13.8	37.4	56.7	65.0



(END OF REPORT)