

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: P709865

Luminaire Tested: **4AWWS-L3C3-UNV-5000K-LOW**

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709865
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-5000K-LOW
Description: 4foot, Wide Adapt Surface Wrap with, RD lens and LOW lumen setting,
5000K, 80CRI

Light Source: -
Ballast/Driver: -

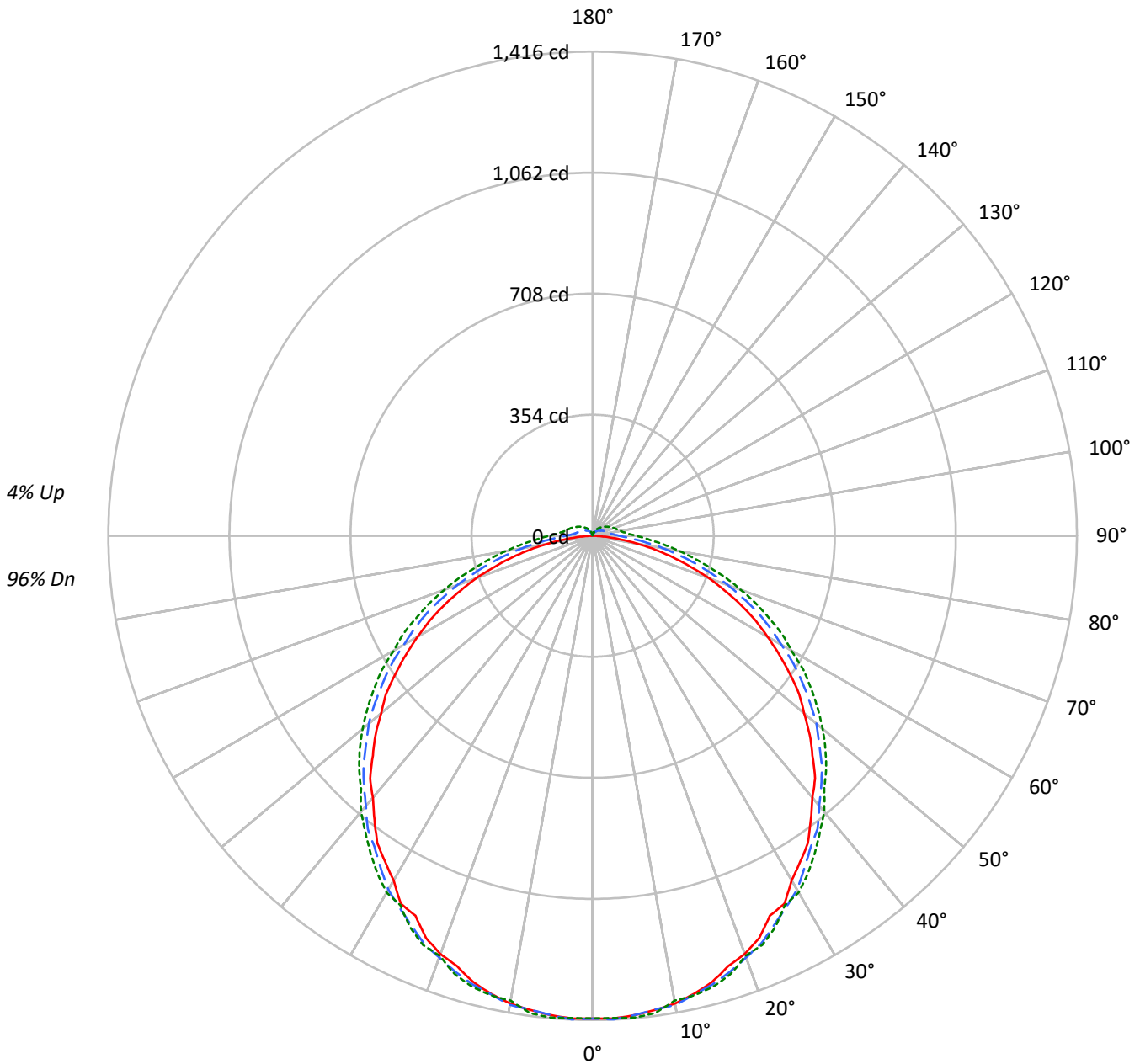
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4354.0 lumens
Efficiency: N/A
Efficacy: 131.9 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): 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°	4934	4934	4934
5°	4919	4863	4876
10°	4891	4795	4729
15°	4829	4691	4682
20°	4761	4587	4524
25°	4630	4474	4447
30°	4577	4376	4349
35°	4537	4219	4227
40°	4392	4095	4102
45°	4297	3978	3962
50°	4161	3833	3837
55°	4025	3643	3678
60°	3824	3408	3463
65°	3604	3199	3271
70°	3277	2890	3010
75°	2792	2509	2688
80°	2104	2089	2400
85°	1119	1670	2142



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.0	3.1
10°-20°	382.9	8.8
20°-30°	577.8	13.3
30°-40°	697.3	16.0
40°-50°	726.7	16.7
50°-60°	666.1	15.3
60°-70°	522.3	12.0
70°-80°	322.9	7.4
80°-90°	136.9	3.1
90°-100°	60.0	1.4
100°-110°	42.6	1.0
110°-120°	31.9	0.7
120°-130°	22.8	0.5
130°-140°	15.0	0.3
140°-150°	8.9	0.2
150°-160°	4.2	0.1
160°-170°	1.4	0.0
170°-180°	0.2	0.0
0°-30°	1094.7	25.1
0°-40°	1792.0	41.2
0°-60°	3184.8	73.1
0°-90°	4167.0	95.7
90°-120°	134.5	3.1
90°-150°	181.2	4.2
90°-180°	187.0	4.3
0°-180°	4354.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1412	1412	1412	1412	1412	
5°	1407	1410	1407	1407	1414	134
15°	1351	1354	1358	1362	1365	380
25°	1226	1247	1256	1257	1263	570
35°	1097	1102	1112	1130	1133	682
45°	909	920	947	961	966	702
55°	704	722	749	765	780	629
65°	479	497	534	555	569	472
75°	242	268	309	343	351	257
85°	42	76	126	163	178	54
90°	3	33	78	112	126	3
95°	0	21	57	85	98	0
105°	0	16	42	65	74	0
115°	0	13	34	52	60	0
125°	0	11	27	40	47	0
135°	0	8	21	30	35	0
145°	1	7	16	21	24	1
155°	1	4	10	14	16	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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CATALOG NUMBER: 4AWWS-L3C3-UNV-5000K-LOW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1411.6	1411.6	1411.6	1411.6	1411.6
2.5°	1413.0	1418.7	1415.9	1413.0	1411.6
5°	1407.4	1410.2	1407.4	1407.4	1414.5
7.5°	1398.9	1403.1	1397.5	1406.0	1407.4
10°	1389.0	1394.6	1393.2	1396.1	1380.5
12.5°	1372.0	1379.1	1373.4	1380.5	1376.2
15°	1350.7	1353.6	1357.8	1362.1	1364.9
17.5°	1319.6	1332.3	1336.6	1340.8	1343.7
20°	1301.2	1308.3	1312.5	1311.1	1306.9
22.5°	1272.9	1277.1	1289.9	1287.0	1295.5
25°	1226.1	1247.4	1255.9	1257.3	1263.0
27.5°	1213.4	1214.8	1224.7	1233.2	1217.7
30°	1163.9	1180.8	1195.0	1199.2	1204.9
32.5°	1129.9	1144.0	1152.5	1168.1	1170.9
35°	1097.3	1101.6	1111.5	1129.9	1132.7
37.5°	1047.7	1060.5	1080.3	1090.2	1091.6
40°	999.6	1015.2	1030.8	1042.1	1053.4
42.5°	962.8	971.3	989.7	1003.9	1002.4
45°	909.0	920.3	947.2	961.4	965.6
47.5°	860.9	877.8	897.7	918.9	923.2
50°	807.0	825.5	853.8	869.3	877.8
52.5°	761.7	773.1	801.4	817.0	829.7
55°	703.7	722.1	749.0	764.6	780.1
57.5°	647.1	669.7	696.6	722.1	730.6
60°	590.4	613.1	637.1	665.5	671.1
62.5°	536.6	560.7	586.2	614.5	625.8
65°	478.6	497.0	533.8	555.0	569.2
67.5°	417.7	440.3	475.7	499.8	516.8
70°	361.0	386.5	420.5	450.2	460.2
72.5°	298.7	329.9	362.5	393.6	407.8
75°	242.1	267.6	308.7	342.6	351.1
77.5°	188.3	212.4	256.3	290.3	303.0
80°	131.7	161.4	208.1	242.1	257.7
82.5°	83.5	114.7	162.8	199.6	216.6
85°	42.5	76.5	126.0	162.8	178.4
87.5°	14.2	48.1	96.3	134.5	150.1
90°	2.8	32.6	77.9	111.9	126.0
92.5°	0.0	24.1	65.1	96.3	109.0
95°	0.0	21.2	56.6	85.0	97.7
97.5°	0.0	19.8	52.4	77.9	87.8
100°	0.0	18.4	48.1	72.2	82.1
102.5°	0.0	17.0	45.3	68.0	77.9
105°	0.0	15.6	42.5	65.1	73.6



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CATALOG NUMBER: 4AWWS-L3C3-UNV-5000K-LOW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	14.2	36.8	53.8	62.3
115°	0.0	12.7	34.0	52.4	59.5
117.5°	0.0	12.7	32.6	48.1	55.2
120°	0.0	11.3	29.7	45.3	52.4
122.5°	0.0	11.3	28.3	43.9	49.6
125°	0.0	11.3	26.9	39.6	46.7
127.5°	0.0	9.9	25.5	38.2	42.5
130°	0.0	9.9	24.1	35.4	39.6
132.5°	0.0	8.5	22.7	32.6	36.8
135°	0.0	8.5	21.2	29.7	35.4
137.5°	0.0	8.5	19.8	28.3	31.1
140°	0.0	7.1	18.4	25.5	29.7
142.5°	1.4	7.1	15.6	24.1	26.9
145°	1.4	7.1	15.6	21.2	24.1
147.5°	1.4	5.7	14.2	19.8	22.7
150°	1.4	5.7	12.7	17.0	19.8
152.5°	1.4	4.2	11.3	15.6	17.0
155°	1.4	4.2	9.9	14.2	15.6
157.5°	1.4	4.2	8.5	11.3	12.7
160°	1.4	2.8	7.1	9.9	11.3
162.5°	1.4	2.8	5.7	8.5	9.9
165°	1.4	2.8	4.2	7.1	7.1
167.5°	1.4	2.8	4.2	5.7	5.7
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	15.6	41.1	60.9	69.4
110°	0.0	14.2	38.2	58.1	66.5



(END OF REPORT)