

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: P709862

Luminaire Tested: **4AWWS-L3C3-UNV-4000K-LOW**

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709862
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-4000K-LOW
Description: 4foot, Wide Adapt Surface Wrap with, RD lens and LOW lumen setting,
4000K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

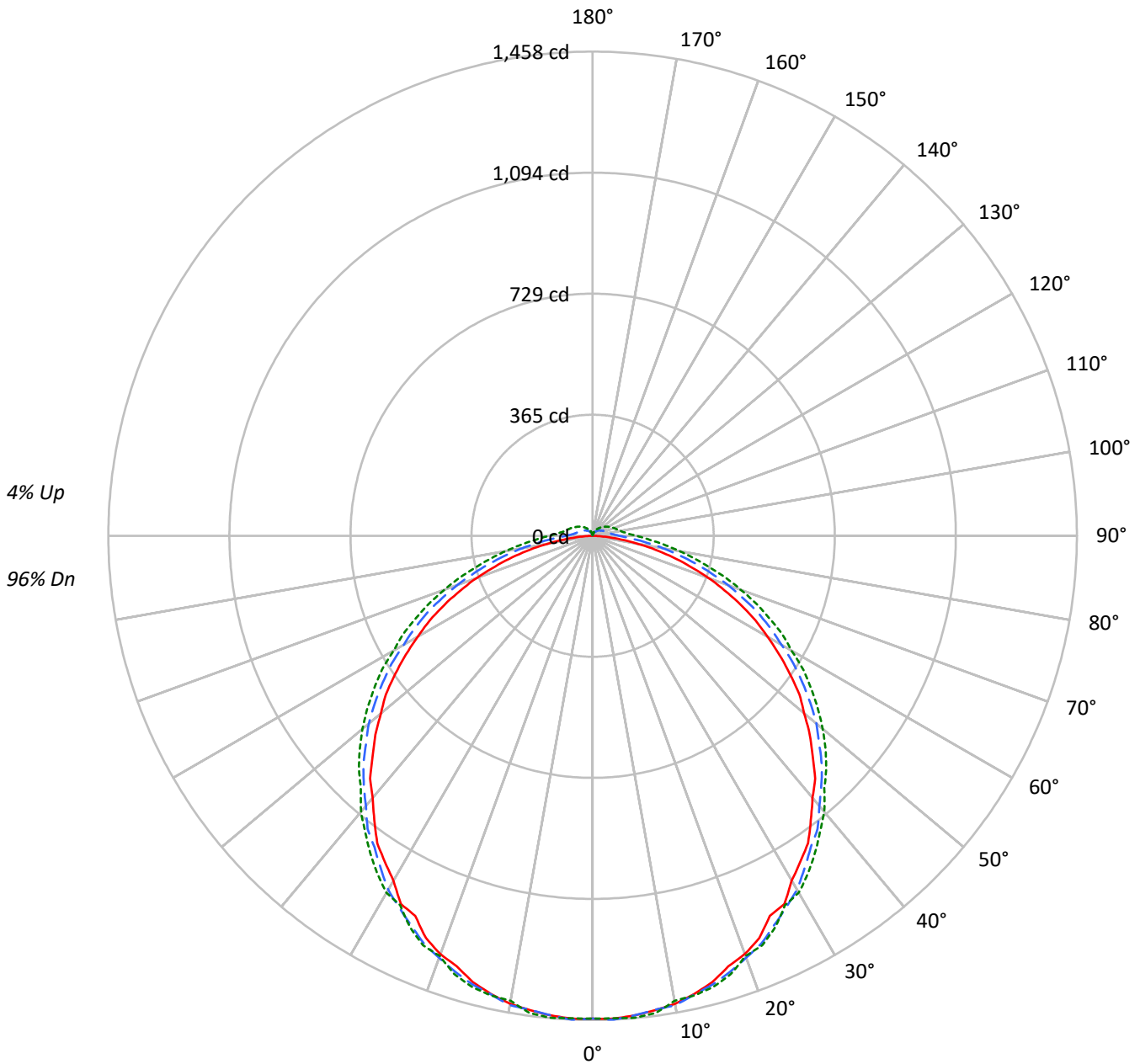
Lumens per Lamp: N/A
Luminaire Lumens: 4485.0 lumens
Efficiency: N/A
Efficacy: 144.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.27 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 3.71' x H: 0.17')
CIE Type: Direct

Input Watts (W): 31
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°	5083	5083	5083
5°	5067	5009	5023
10°	5038	4940	4871
15°	4974	4832	4823
20°	4904	4725	4660
25°	4769	4609	4580
30°	4714	4508	4480
35°	4673	4346	4355
40°	4525	4218	4225
45°	4426	4097	4081
50°	4287	3949	3953
55°	4146	3752	3789
60°	3939	3511	3567
65°	3713	3295	3369
70°	3376	2978	3100
75°	2876	2584	2769
80°	2167	2152	2472
85°	1153	1721	2206



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.0	3.1
10°-20°	394.5	8.8
20°-30°	595.2	13.3
30°-40°	718.3	16.0
40°-50°	748.6	16.7
50°-60°	686.1	15.3
60°-70°	538.1	12.0
70°-80°	332.6	7.4
80°-90°	141.0	3.1
90°-100°	61.8	1.4
100°-110°	43.8	1.0
110°-120°	32.9	0.7
120°-130°	23.5	0.5
130°-140°	15.5	0.3
140°-150°	9.2	0.2
150°-160°	4.4	0.1
160°-170°	1.4	0.0
170°-180°	0.2	0.0
0°-30°	1127.6	25.1
0°-40°	1846.0	41.2
0°-60°	3280.6	73.1
0°-90°	4292.4	95.7
90°-120°	138.5	3.1
90°-150°	186.6	4.2
90°-180°	193.0	4.3
0°-180°	4485.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1454	1454	1454	1454	1454	
5°	1450	1453	1450	1450	1457	138
15°	1391	1394	1399	1403	1406	392
25°	1263	1285	1294	1295	1301	588
35°	1130	1135	1145	1164	1167	703
45°	936	948	976	990	995	723
55°	725	744	772	788	804	648
65°	493	512	550	572	586	486
75°	249	276	318	353	362	265
85°	44	79	130	168	184	56
90°	3	34	80	115	130	3
95°	0	22	58	88	101	0
105°	0	16	44	67	76	0
115°	0	13	35	54	61	0
125°	0	12	28	41	48	0
135°	0	9	22	31	36	0
145°	2	7	16	22	25	1
155°	2	4	10	15	16	1
165°	2	3	4	7	7	0
175°	2	2	2	2	3	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1454.1	1454.1	1454.1	1454.1	1454.1
2.5°	1455.6	1461.4	1458.5	1455.6	1454.1
5°	1449.7	1452.6	1449.7	1449.7	1457.0
7.5°	1441.0	1445.3	1439.5	1448.3	1449.7
10°	1430.8	1436.6	1435.1	1438.1	1422.0
12.5°	1413.3	1420.6	1414.7	1422.0	1417.6
15°	1391.4	1394.3	1398.7	1403.1	1406.0
17.5°	1359.3	1372.4	1376.8	1381.2	1384.1
20°	1340.3	1347.6	1352.0	1350.5	1346.2
22.5°	1311.2	1315.5	1328.7	1325.8	1334.5
25°	1263.0	1284.9	1293.7	1295.1	1301.0
27.5°	1249.9	1251.4	1261.6	1270.3	1254.3
30°	1198.9	1216.4	1231.0	1235.3	1241.2
32.5°	1163.9	1178.4	1187.2	1203.2	1206.2
35°	1130.3	1134.7	1144.9	1163.9	1166.8
37.5°	1079.3	1092.4	1112.8	1123.0	1124.5
40°	1029.7	1045.7	1061.8	1073.4	1085.1
42.5°	991.8	1000.5	1019.5	1034.1	1032.6
45°	936.3	948.0	975.7	990.3	994.7
47.5°	886.8	904.3	924.7	946.6	950.9
50°	831.3	850.3	879.5	895.5	904.3
52.5°	784.7	796.3	825.5	841.5	854.7
55°	724.9	743.8	771.5	787.6	803.6
57.5°	666.5	689.9	717.6	743.8	752.6
60°	608.2	631.5	656.3	685.5	691.3
62.5°	552.8	577.6	603.8	633.0	644.6
65°	493.0	511.9	549.8	571.7	586.3
67.5°	430.3	453.6	490.0	514.8	532.3
70°	371.9	398.2	433.2	463.8	474.0
72.5°	307.7	339.8	373.4	405.5	420.0
75°	249.4	275.7	317.9	353.0	361.7
77.5°	194.0	218.8	264.0	299.0	312.1
80°	135.6	166.3	214.4	249.4	265.4
82.5°	86.1	118.1	167.7	205.6	223.1
85°	43.8	78.8	129.8	167.7	183.8
87.5°	14.6	49.6	99.2	138.6	154.6
90°	2.9	33.5	80.2	115.2	129.8
92.5°	0.0	24.8	67.1	99.2	112.3
95°	0.0	21.9	58.3	87.5	100.6
97.5°	0.0	20.4	54.0	80.2	90.4
100°	0.0	19.0	49.6	74.4	84.6
102.5°	0.0	17.5	46.7	70.0	80.2
105°	0.0	16.0	43.8	67.1	75.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	14.6	37.9	55.4	64.2
115°	0.0	13.1	35.0	54.0	61.3
117.5°	0.0	13.1	33.5	49.6	56.9
120°	0.0	11.7	30.6	46.7	54.0
122.5°	0.0	11.7	29.2	45.2	51.0
125°	0.0	11.7	27.7	40.8	48.1
127.5°	0.0	10.2	26.3	39.4	43.8
130°	0.0	10.2	24.8	36.5	40.8
132.5°	0.0	8.8	23.3	33.5	37.9
135°	0.0	8.8	21.9	30.6	36.5
137.5°	0.0	8.8	20.4	29.2	32.1
140°	0.0	7.3	19.0	26.3	30.6
142.5°	1.5	7.3	16.0	24.8	27.7
145°	1.5	7.3	16.0	21.9	24.8
147.5°	1.5	5.8	14.6	20.4	23.3
150°	1.5	5.8	13.1	17.5	20.4
152.5°	1.5	4.4	11.7	16.0	17.5
155°	1.5	4.4	10.2	14.6	16.0
157.5°	1.5	4.4	8.8	11.7	13.1
160°	1.5	2.9	7.3	10.2	11.7
162.5°	1.5	2.9	5.8	8.8	10.2
165°	1.5	2.9	4.4	7.3	7.3
167.5°	1.5	2.9	4.4	5.8	5.8
170°	1.5	1.5	2.9	4.4	4.4
172.5°	1.5	1.5	2.9	2.9	2.9
175°	1.5	1.5	1.5	1.5	2.9
177.5°	1.5	1.5	1.5	1.5	1.5
180°	1.5	1.5	1.5	1.5	1.5



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	16.0	42.3	62.7	71.5
110°	0.0	14.6	39.4	59.8	68.5



(END OF REPORT)