

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: P709736

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

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709736
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2307-090-6)
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, Adapt Surface Wrap with, RD lens and LOW lumen setting,
4000K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

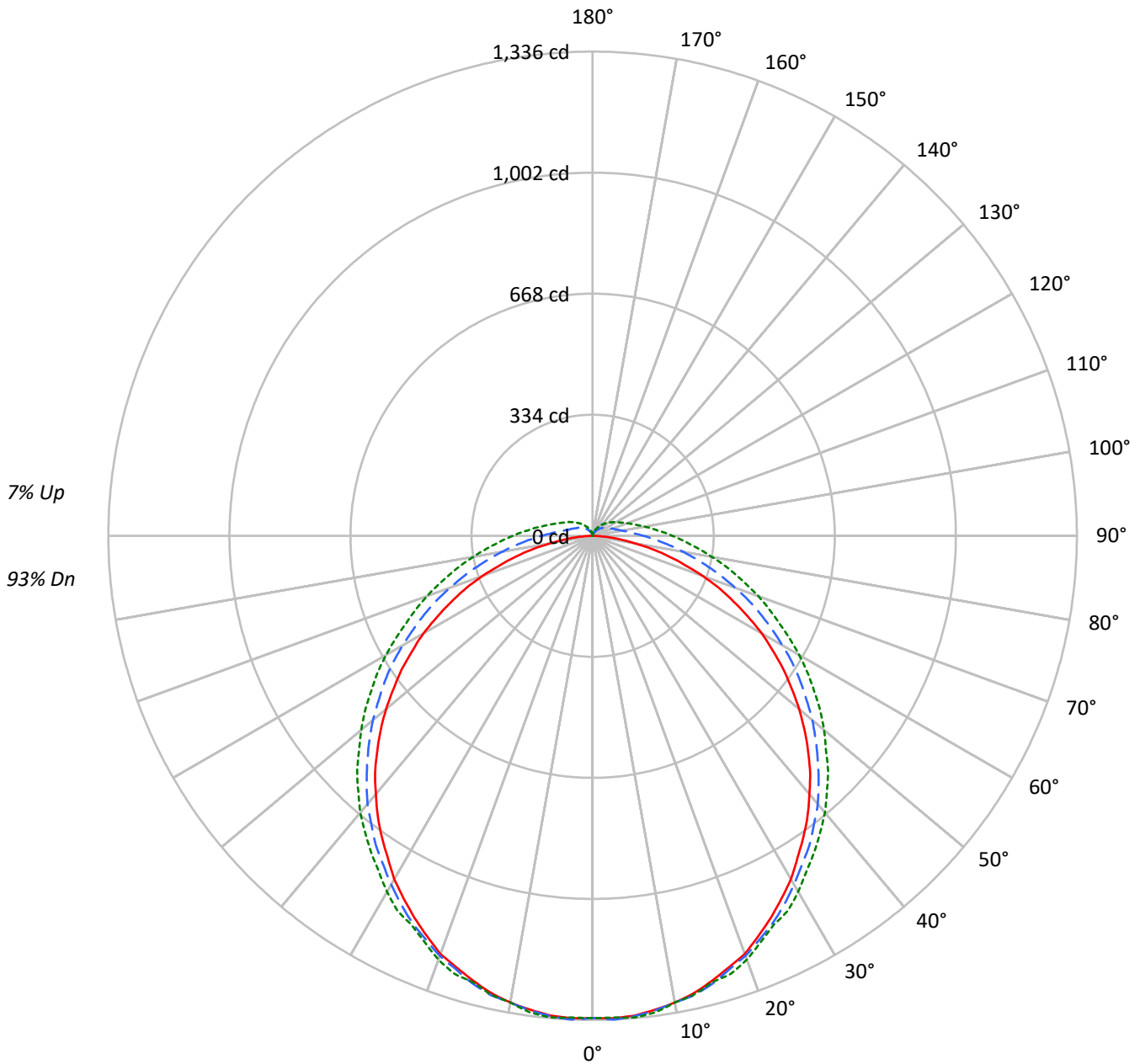
Lumens per Lamp: N/A
Luminaire Lumens: 4310.0 lumens
Efficiency: N/A
Efficacy: 139.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 3.71' x H: 0.12')
CIE Type: Direct

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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93																			
1	106	101	96	92	102	98	93	89	92	89	85	87	84	81	82	80	78	75																			
2	96	87	80	74	93	85	78	72	80	74	70	76	71	67	71	68	64	62																			
3	87	76	68	61	84	74	66	60	70	63	58	66	61	56	63	58	54	52																			
4	80	67	58	51	77	65	57	51	62	55	49	59	53	48	56	51	46	44																			
5	73	60	51	44	71	58	50	43	56	48	42	53	46	41	50	45	40	38																			
6	68	54	45	38	65	53	44	38	50	43	37	48	41	36	46	40	35	33																			
7	63	49	40	34	60	48	39	33	46	38	33	43	37	32	42	36	31	29																			
8	58	45	36	30	56	44	35	30	42	34	29	40	33	29	38	32	28	26																			
9	54	41	33	27	53	40	32	27	38	31	26	37	30	26	35	29	25	23																			
10	51	38	30	24	49	37	29	24	35	29	24	34	28	23	33	27	23	21																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8392	8392	8392
5°	8389	8274	8260
10°	8328	8080	8008
15°	8231	7913	7783
20°	8144	7698	7631
25°	7973	7476	7345
30°	7823	7229	7180
35°	7636	7011	6938
40°	7457	6778	6735
45°	7264	6493	6501
50°	7025	6224	6236
55°	6752	5935	5972
60°	6444	5609	5714
65°	5986	5278	5419
70°	5457	4905	5222
75°	4684	4531	5014
80°	3569	4232	4887
85°	2113	4052	4920



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.3	2.9
10°-20°	360.2	8.4
20°-30°	542.0	12.6
30°-40°	650.9	15.1
40°-50°	677.8	15.7
50°-60°	622.7	14.4
60°-70°	500.1	11.6
70°-80°	341.0	7.9
80°-90°	193.8	4.5
90°-100°	108.5	2.5
100°-110°	68.7	1.6
110°-120°	46.9	1.1
120°-130°	32.2	0.7
130°-140°	20.5	0.5
140°-150°	11.4	0.3
150°-160°	5.2	0.1
160°-170°	1.6	0.0
170°-180°	0.2	0.0
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0°-30°	1028.5	23.9
0°-40°	1679.3	39.0
0°-60°	2979.8	69.1
0°-90°	4014.7	93.1
90°-120°	224.1	5.2
90°-150°	288.2	6.7
90°-180°	295.0	6.8
0°-180°	4310.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1331	1331	1331	1331	1331	
5°	1329	1331	1331	1332	1334	126
15°	1272	1270	1279	1283	1275	359
25°	1163	1163	1178	1190	1184	536
35°	1014	1020	1043	1058	1066	635
45°	841	850	879	906	919	648
55°	642	662	700	732	745	574
65°	429	461	511	549	566	425
75°	215	261	330	385	406	228
85°	40	103	189	250	271	49
90°	2	61	139	196	219	2
95°	0	38	105	158	177	0
105°	0	25	67	105	120	0
115°	0	19	50	76	86	0
125°	2	13	38	57	65	1
135°	2	11	29	42	48	1
145°	2	8	19	29	30	1
155°	2	6	11	17	19	1
165°	2	4	6	8	10	1
175°	2	2	2	2	2	0
180°	2	2	2	2	2	



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CATALOG NUMBER: 4AWS-L3C3-UNV-4000K-LOW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1330.6	1330.6	1330.6	1330.6	1330.6
2.5°	1332.5	1330.6	1336.4	1334.4	1330.6
5°	1328.7	1330.6	1330.6	1332.5	1334.4
7.5°	1319.2	1315.4	1321.1	1326.8	1326.8
10°	1307.8	1303.9	1307.8	1311.6	1307.8
12.5°	1292.5	1284.9	1298.2	1298.2	1296.3
15°	1271.5	1269.6	1279.2	1283.0	1275.3
17.5°	1248.7	1254.4	1254.4	1262.0	1267.7
20°	1227.7	1223.9	1233.4	1239.1	1244.8
22.5°	1195.3	1193.4	1204.8	1214.3	1212.4
25°	1162.9	1162.9	1178.1	1189.6	1183.8
27.5°	1128.6	1128.6	1145.7	1157.2	1166.7
30°	1094.2	1098.1	1111.4	1126.7	1134.3
32.5°	1052.3	1061.8	1075.2	1096.2	1098.1
35°	1014.2	1019.9	1042.8	1058.0	1065.7
37.5°	974.1	976.1	1002.7	1023.7	1031.3
40°	930.3	934.1	966.5	985.6	997.0
42.5°	888.4	892.2	922.7	947.5	957.0
45°	840.7	850.2	878.8	905.5	918.9
47.5°	793.0	806.4	835.0	865.5	873.1
50°	743.5	756.8	791.1	815.9	833.1
52.5°	692.0	709.2	743.5	775.9	791.1
55°	642.4	661.5	699.6	732.0	745.4
57.5°	589.1	611.9	653.9	688.2	703.4
60°	539.5	558.6	604.3	640.5	657.7
62.5°	482.3	507.1	556.7	596.7	611.9
65°	428.9	461.3	510.9	549.0	566.2
67.5°	377.5	409.9	465.1	505.2	526.2
70°	322.2	358.4	417.5	463.2	486.1
72.5°	265.0	306.9	373.6	425.1	444.2
75°	215.4	261.2	329.8	385.1	406.1
77.5°	165.9	213.5	289.8	347.0	369.8
80°	116.3	169.7	253.5	312.6	333.6
82.5°	76.3	135.4	219.2	278.3	301.2
85°	40.0	102.9	188.7	249.7	270.7
87.5°	13.3	78.2	162.0	223.0	244.0
90°	1.9	61.0	139.2	196.4	219.2
92.5°	0.0	47.7	120.1	177.3	198.3
95°	0.0	38.1	104.8	158.2	177.3
97.5°	0.0	32.4	93.4	141.1	162.0
100°	0.0	28.6	82.0	127.7	144.9
102.5°	0.0	26.7	74.3	114.4	131.5
105°	0.0	24.8	66.7	104.8	120.1



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CATALOG NUMBER: 4AWS-L3C3-UNV-4000K-LOW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	19.1	53.4	82.0	93.4
115°	0.0	19.1	49.6	76.3	85.8
117.5°	0.0	17.2	47.7	70.5	80.1
120°	0.0	15.3	43.8	66.7	76.3
122.5°	0.0	15.3	40.0	62.9	70.5
125°	1.9	13.3	38.1	57.2	64.8
127.5°	1.9	13.3	36.2	53.4	61.0
130°	1.9	11.4	32.4	49.6	55.3
132.5°	1.9	11.4	30.5	45.8	51.5
135°	1.9	11.4	28.6	41.9	47.7
137.5°	1.9	9.5	24.8	38.1	43.8
140°	1.9	9.5	22.9	34.3	40.0
142.5°	1.9	9.5	21.0	30.5	36.2
145°	1.9	7.6	19.1	28.6	30.5
147.5°	1.9	7.6	17.2	24.8	28.6
150°	1.9	5.7	15.3	21.0	24.8
152.5°	1.9	5.7	13.3	19.1	21.0
155°	1.9	5.7	11.4	17.2	19.1
157.5°	1.9	5.7	9.5	15.3	15.3
160°	1.9	3.8	7.6	11.4	13.3
162.5°	1.9	3.8	7.6	9.5	11.4
165°	1.9	3.8	5.7	7.6	9.5
167.5°	1.9	1.9	3.8	5.7	7.6
170°	1.9	1.9	3.8	3.8	5.7
172.5°	1.9	1.9	1.9	1.9	3.8
175°	1.9	1.9	1.9	1.9	1.9
177.5°	1.9	1.9	1.9	0.0	0.0
180°	1.9	1.9	1.9	1.9	1.9



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	22.9	62.9	95.3	110.6
110°	0.0	21.0	57.2	87.7	101.0



(END OF REPORT)