

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: P709834

Luminaire Tested: **2AWWS-L3C39-UNV-4000K-HI**

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709834
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: 2AWWS-L3C39-UNV-4000K-HI
Description: 2foot, Wide Adapt Surface Wrap with, RD lens and HI lumen setting,
4000K, 90CRI

Light Source: -
Ballast/Driver: -

Summary

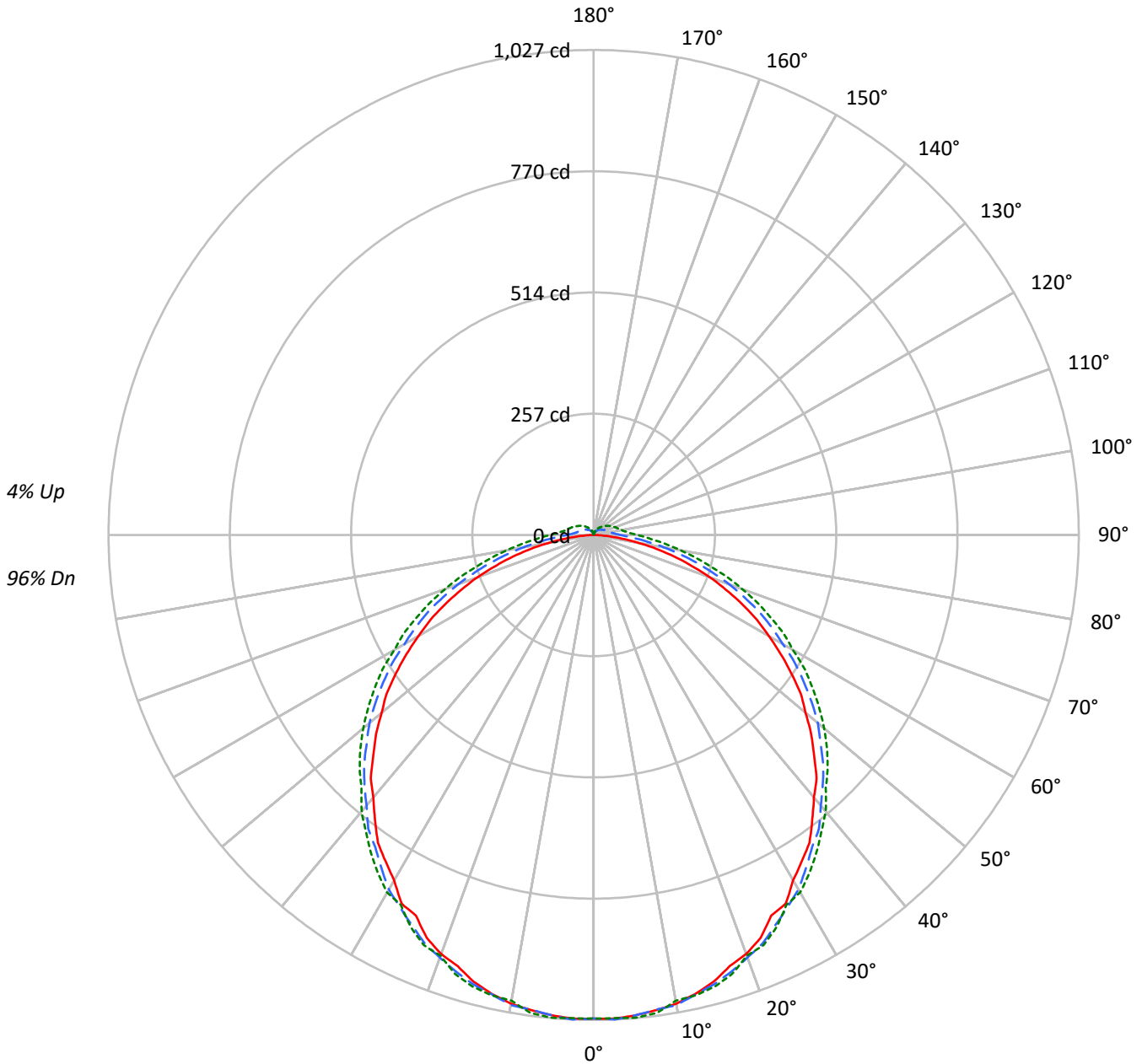
Lumens per Lamp: N/A
Luminaire Lumens: 3159.0 lumens
Efficiency: N/A
Efficacy: 126.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.27 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 1.71' x H: 0.17')
CIE Type: Direct

Input Watts (W): 25
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

TEST NUMBER: P709834

CATALOG NUMBER: 2AWWS-L3C39-UNV-4000K-HI

Luminous Intensity Polar Plot





TEST NUMBER: P709834

CATALOG NUMBER: 2AWWS-L3C39-UNV-4000K-HI

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°	7767	7767	7767
5°	7707	7630	7675
10°	7627	7500	7444
15°	7495	7314	7371
20°	7353	7128	7122
25°	7114	6930	6999
30°	6993	6754	6846
35°	6891	6489	6654
40°	6628	6272	6457
45°	6434	6066	6237
50°	6176	5817	6040
55°	5912	5496	5790
60°	5543	5109	5451
65°	5136	4756	5150
70°	4563	4252	4738
75°	3755	3639	4232
80°	2667	2971	3778
85°	1255	2299	3370



TEST NUMBER: P709834

CATALOG NUMBER: 2AWWS-L3C39-UNV-4000K-HI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.2	3.1
10°-20°	277.8	8.8
20°-30°	419.2	13.3
30°-40°	505.9	16.0
40°-50°	527.2	16.7
50°-60°	483.3	15.3
60°-70°	379.0	12.0
70°-80°	234.3	7.4
80°-90°	99.3	3.1
90°-100°	43.5	1.4
100°-110°	30.9	1.0
110°-120°	23.2	0.7
120°-130°	16.5	0.5
130°-140°	10.9	0.3
140°-150°	6.5	0.2
150°-160°	3.1	0.1
160°-170°	1.0	0.0
170°-180°	0.1	0.0
<hr/>		
0°-30°	794.3	25.1
0°-40°	1300.2	41.2
0°-60°	2310.7	73.1
0°-90°	3023.3	95.7
90°-120°	97.6	3.1
90°-150°	131.4	4.2
90°-180°	136.0	4.3
0°-180°	3159.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1024	1024	1024	1024	1024	
5°	1021	1023	1021	1021	1026	97
15°	980	982	985	988	990	276
25°	890	905	911	912	916	414
35°	796	799	806	820	822	495
45°	660	668	687	698	701	509
55°	511	524	543	555	566	456
65°	347	361	387	403	413	343
75°	176	194	224	249	255	187
85°	31	56	91	118	129	39
90°	2	24	56	81	91	2
95°	0	15	41	62	71	0
105°	0	11	31	47	53	0
115°	0	9	25	38	43	0
125°	0	8	20	29	34	0
135°	0	6	15	22	26	0
145°	1	5	11	15	18	1
155°	1	3	7	10	11	0
165°	1	2	3	5	5	0
175°	1	1	1	1	2	0
180°	1	1	1	1	1	



TEST NUMBER: P709834

CATALOG NUMBER: 2AWWS-L3C39-UNV-4000K-HI

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1024.2	1024.2	1024.2	1024.2	1024.2
2.5°	1025.2	1029.3	1027.3	1025.2	1024.2
5°	1021.1	1023.2	1021.1	1021.1	1026.2
7.5°	1014.9	1018.0	1013.9	1020.1	1021.1
10°	1007.8	1011.9	1010.8	1012.9	1001.6
12.5°	995.4	1000.6	996.5	1001.6	998.5
15°	980.0	982.1	985.2	988.2	990.3
17.5°	957.4	966.7	969.7	972.8	974.9
20°	944.1	949.2	952.3	951.3	948.2
22.5°	923.5	926.6	935.8	933.8	940.0
25°	889.6	905.0	911.2	912.2	916.3
27.5°	880.4	881.4	888.6	894.8	883.5
30°	844.4	856.7	867.0	870.1	874.2
32.5°	819.8	830.0	836.2	847.5	849.6
35°	796.1	799.2	806.4	819.8	821.8
37.5°	760.2	769.4	783.8	791.0	792.0
40°	725.3	736.6	747.9	756.1	764.3
42.5°	698.5	704.7	718.1	728.3	727.3
45°	659.5	667.7	687.2	697.5	700.6
47.5°	624.6	636.9	651.3	666.7	669.8
50°	585.5	598.9	619.4	630.7	636.9
52.5°	552.7	560.9	581.4	592.7	602.0
55°	510.6	523.9	543.4	554.7	566.0
57.5°	469.5	485.9	505.4	523.9	530.1
60°	428.4	444.8	462.3	482.8	486.9
62.5°	389.3	406.8	425.3	445.8	454.1
65°	347.2	360.6	387.3	402.7	413.0
67.5°	303.0	319.5	345.2	362.6	375.0
70°	262.0	280.4	305.1	326.7	333.9
72.5°	216.8	239.4	263.0	285.6	295.9
75°	175.7	194.2	223.9	248.6	254.8
77.5°	136.6	154.1	185.9	210.6	219.8
80°	95.5	117.1	151.0	175.7	187.0
82.5°	60.6	83.2	118.1	144.8	157.2
85°	30.8	55.5	91.4	118.1	129.4
87.5°	10.3	34.9	69.9	97.6	108.9
90°	2.1	23.6	56.5	81.2	91.4
92.5°	0.0	17.5	47.3	69.9	79.1
95°	0.0	15.4	41.1	61.6	70.9
97.5°	0.0	14.4	38.0	56.5	63.7
100°	0.0	13.4	34.9	52.4	59.6
102.5°	0.0	12.3	32.9	49.3	56.5
105°	0.0	11.3	30.8	47.3	53.4



TEST NUMBER: P709834

CATALOG NUMBER: 2AWWS-L3C39-UNV-4000K-HI

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	10.3	26.7	39.0	45.2
115°	0.0	9.2	24.7	38.0	43.1
117.5°	0.0	9.2	23.6	34.9	40.1
120°	0.0	8.2	21.6	32.9	38.0
122.5°	0.0	8.2	20.5	31.8	36.0
125°	0.0	8.2	19.5	28.8	33.9
127.5°	0.0	7.2	18.5	27.7	30.8
130°	0.0	7.2	17.5	25.7	28.8
132.5°	0.0	6.2	16.4	23.6	26.7
135°	0.0	6.2	15.4	21.6	25.7
137.5°	0.0	6.2	14.4	20.5	22.6
140°	0.0	5.1	13.4	18.5	21.6
142.5°	1.0	5.1	11.3	17.5	19.5
145°	1.0	5.1	11.3	15.4	17.5
147.5°	1.0	4.1	10.3	14.4	16.4
150°	1.0	4.1	9.2	12.3	14.4
152.5°	1.0	3.1	8.2	11.3	12.3
155°	1.0	3.1	7.2	10.3	11.3
157.5°	1.0	3.1	6.2	8.2	9.2
160°	1.0	2.1	5.1	7.2	8.2
162.5°	1.0	2.1	4.1	6.2	7.2
165°	1.0	2.1	3.1	5.1	5.1
167.5°	1.0	2.1	3.1	4.1	4.1
170°	1.0	1.0	2.1	3.1	3.1
172.5°	1.0	1.0	2.1	2.1	2.1
175°	1.0	1.0	1.0	1.0	2.1
177.5°	1.0	1.0	1.0	1.0	1.0
180°	1.0	1.0	1.0	1.0	1.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	11.3	29.8	44.2	50.3
110°	0.0	10.3	27.7	42.1	48.3



(END OF REPORT)