

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: P709831

Luminaire Tested: **2AWWS-L3C39-UNV-3500K-HI**

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709831
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-3500K-HI
Description: 2foot, Wide Adapt Surface Wrap with, RD lens and HI lumen setting,
3500K, 90CRI

Light Source: -
Ballast/Driver: -

Summary

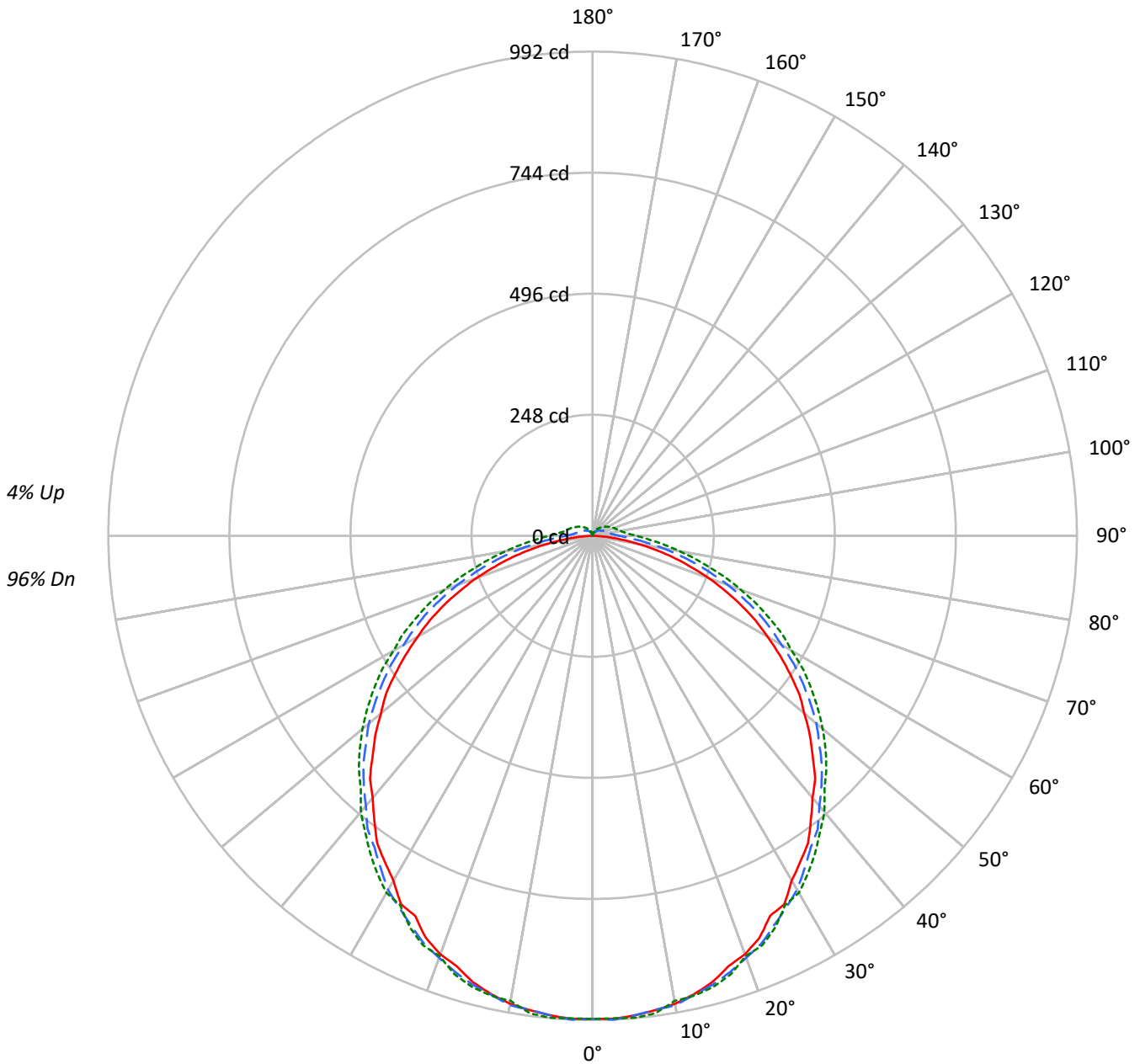
Lumens per Lamp: N/A
Luminaire Lumens: 3052.0 lumens
Efficiency: N/A
Efficacy: 117.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.27 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 1.71' x H: 0.17')
CIE Type: Direct

Input Watts (W): 26
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: P709831

CATALOG NUMBER: 2AWWS-L3C39-UNV-3500K-HI

Luminous Intensity Polar Plot





TEST NUMBER: P709831

CATALOG NUMBER: 2AWWS-L3C39-UNV-3500K-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°	7504	7504	7504
5°	7445	7371	7415
10°	7368	7246	7192
15°	7241	7066	7121
20°	7104	6886	6881
25°	6874	6695	6762
30°	6756	6525	6614
35°	6658	6269	6429
40°	6403	6059	6238
45°	6216	5861	6026
50°	5967	5620	5835
55°	5712	5310	5595
60°	5356	4935	5267
65°	4963	4595	4975
70°	4408	4109	4577
75°	3627	3517	4087
80°	2578	2870	3649
85°	1214	2221	3258



TEST NUMBER: P709831

CATALOG NUMBER: 2AWWS-L3C39-UNV-3500K-HI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.9	3.1
10°-20°	268.4	8.8
20°-30°	405.0	13.3
30°-40°	488.8	16.0
40°-50°	509.4	16.7
50°-60°	466.9	15.3
60°-70°	366.2	12.0
70°-80°	226.4	7.4
80°-90°	96.0	3.1
90°-100°	42.0	1.4
100°-110°	29.8	1.0
110°-120°	22.4	0.7
120°-130°	16.0	0.5
130°-140°	10.5	0.3
140°-150°	6.2	0.2
150°-160°	3.0	0.1
160°-170°	1.0	0.0
170°-180°	0.1	0.0
<hr/>		
0°-30°	767.4	25.1
0°-40°	1256.2	41.2
0°-60°	2232.4	73.1
0°-90°	2920.9	95.7
90°-120°	94.2	3.1
90°-150°	127.0	4.2
90°-180°	131.0	4.3
0°-180°	3052.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	990	990	990	990	990	
5°	986	988	986	986	992	94
15°	947	949	952	955	957	267
25°	860	874	880	881	885	400
35°	769	772	779	792	794	478
45°	637	645	664	674	677	492
55°	493	506	525	536	547	441
65°	336	348	374	389	399	331
75°	170	188	216	240	246	180
85°	30	54	88	114	125	38
90°	2	23	55	78	88	2
95°	0	15	40	60	68	0
105°	0	11	30	46	52	0
115°	0	9	24	37	42	0
125°	0	8	19	28	33	0
135°	0	6	15	21	25	0
145°	1	5	11	15	17	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: P709831

CATALOG NUMBER: 2AWWS-L3C39-UNV-3500K-HI

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	989.5	989.5	989.5	989.5	989.5
2.5°	990.5	994.5	992.5	990.5	989.5
5°	986.5	988.5	986.5	986.5	991.5
7.5°	980.6	983.5	979.6	985.5	986.5
10°	973.6	977.6	976.6	978.6	967.7
12.5°	961.7	966.7	962.7	967.7	964.7
15°	946.8	948.8	951.8	954.8	956.8
17.5°	925.0	933.9	936.9	939.9	941.9
20°	912.1	917.1	920.0	919.0	916.1
22.5°	892.2	895.2	904.1	902.2	908.1
25°	859.5	874.4	880.3	881.3	885.3
27.5°	850.6	851.5	858.5	864.4	853.5
30°	815.8	827.7	837.7	840.6	844.6
32.5°	792.0	801.9	807.9	818.8	820.8
35°	769.2	772.1	779.1	792.0	794.0
37.5°	734.4	743.4	757.3	764.2	765.2
40°	700.7	711.6	722.5	730.5	738.4
42.5°	674.9	680.8	693.7	703.7	702.7
45°	637.2	645.1	664.0	673.9	676.9
47.5°	603.4	615.3	629.2	644.1	647.1
50°	565.7	578.6	598.5	609.4	615.3
52.5°	534.0	541.9	561.7	572.7	581.6
55°	493.3	506.2	525.0	535.9	546.9
57.5°	453.6	469.4	488.3	506.2	512.1
60°	413.9	429.7	446.6	466.5	470.4
62.5°	376.1	393.0	410.9	430.7	438.7
65°	335.5	348.4	374.2	389.1	399.0
67.5°	292.8	308.7	333.5	350.3	362.3
70°	253.1	270.9	294.8	315.6	322.6
72.5°	209.4	231.2	254.1	275.9	285.8
75°	169.7	187.6	216.4	240.2	246.1
77.5°	132.0	148.9	179.6	203.5	212.4
80°	92.3	113.1	145.9	169.7	180.6
82.5°	58.6	80.4	114.1	139.9	151.8
85°	29.8	53.6	88.3	114.1	125.1
87.5°	9.9	33.7	67.5	94.3	105.2
90°	2.0	22.8	54.6	78.4	88.3
92.5°	0.0	16.9	45.7	67.5	76.4
95°	0.0	14.9	39.7	59.5	68.5
97.5°	0.0	13.9	36.7	54.6	61.5
100°	0.0	12.9	33.7	50.6	57.6
102.5°	0.0	11.9	31.8	47.6	54.6
105°	0.0	10.9	29.8	45.7	51.6



TEST NUMBER: P709831

CATALOG NUMBER: 2AWWS-L3C39-UNV-3500K-HI

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	9.9	25.8	37.7	43.7
115°	0.0	8.9	23.8	36.7	41.7
117.5°	0.0	8.9	22.8	33.7	38.7
120°	0.0	7.9	20.8	31.8	36.7
122.5°	0.0	7.9	19.8	30.8	34.7
125°	0.0	7.9	18.9	27.8	32.8
127.5°	0.0	6.9	17.9	26.8	29.8
130°	0.0	6.9	16.9	24.8	27.8
132.5°	0.0	6.0	15.9	22.8	25.8
135°	0.0	6.0	14.9	20.8	24.8
137.5°	0.0	6.0	13.9	19.8	21.8
140°	0.0	5.0	12.9	17.9	20.8
142.5°	1.0	5.0	10.9	16.9	18.9
145°	1.0	5.0	10.9	14.9	16.9
147.5°	1.0	4.0	9.9	13.9	15.9
150°	1.0	4.0	8.9	11.9	13.9
152.5°	1.0	3.0	7.9	10.9	11.9
155°	1.0	3.0	6.9	9.9	10.9
157.5°	1.0	3.0	6.0	7.9	8.9
160°	1.0	2.0	5.0	6.9	7.9
162.5°	1.0	2.0	4.0	6.0	6.9
165°	1.0	2.0	3.0	5.0	5.0
167.5°	1.0	2.0	3.0	4.0	4.0
170°	1.0	1.0	2.0	3.0	3.0
172.5°	1.0	1.0	2.0	2.0	2.0
175°	1.0	1.0	1.0	1.0	2.0
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	10.9	28.8	42.7	48.6
110°	0.0	9.9	26.8	40.7	46.6



(END OF REPORT)