

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: P709836

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

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709836
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-MID
Description: 2foot, Wide Adapt Surface Wrap with, RD lens and MID lumen setting,
4000K, 90CRI

Light Source: -
Ballast/Driver: -

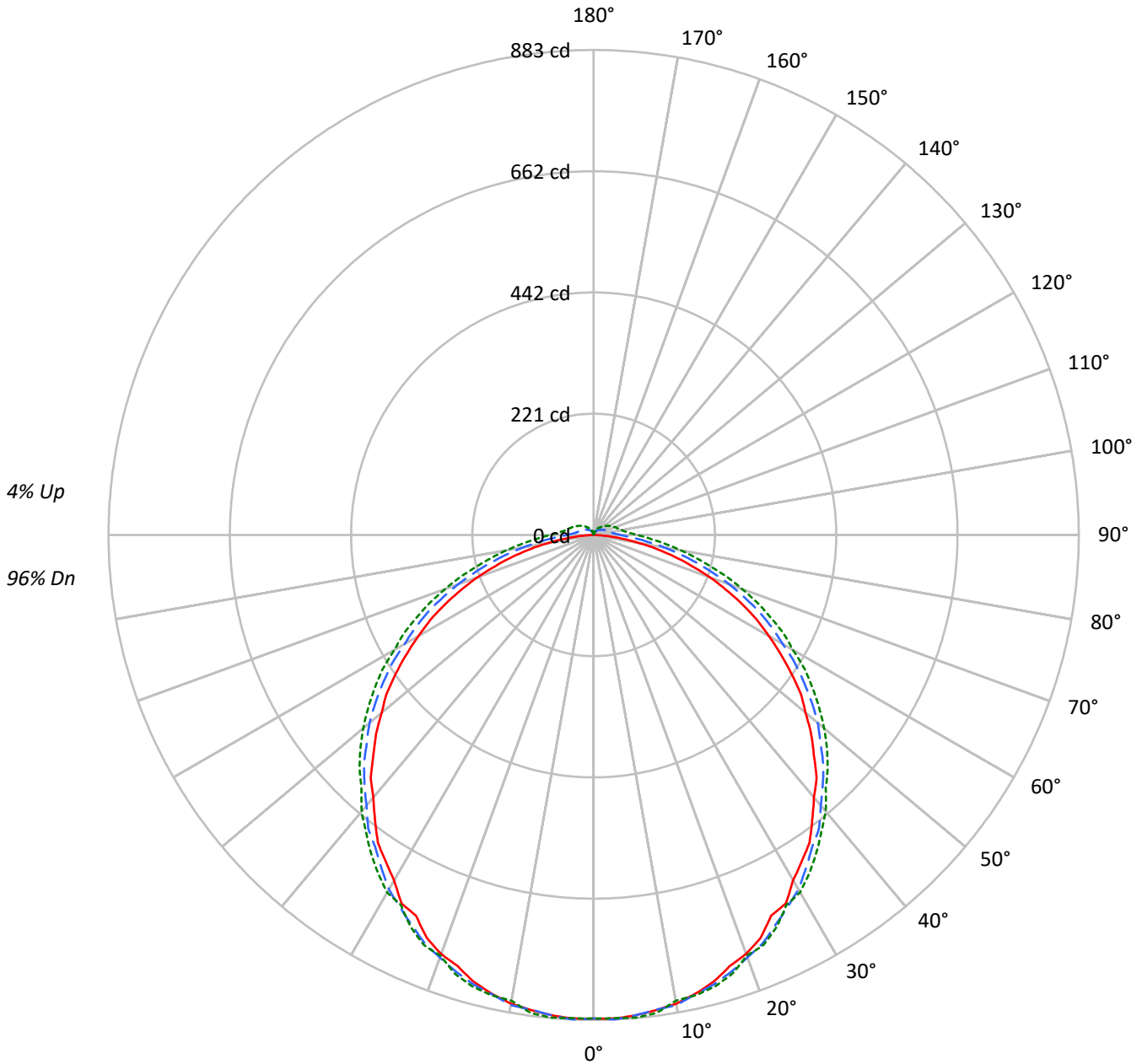
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2716.0 lumens
Efficiency: N/A
Efficacy: 129.3 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): 21
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: P709836
CATALOG NUMBER: 2AWWS-L3C39-UNV-4000K-MID

Luminous Intensity Polar Plot





TEST NUMBER: P709836

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

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°	6678	6678	6678
5°	6626	6560	6599
10°	6557	6448	6400
15°	6444	6288	6337
20°	6322	6128	6123
25°	6117	5958	6018
30°	6013	5806	5886
35°	5925	5578	5721
40°	5698	5392	5551
45°	5531	5216	5363
50°	5310	5002	5193
55°	5083	4726	4979
60°	4766	4391	4687
65°	4415	4089	4428
70°	3922	3656	4072
75°	3227	3129	3637
80°	2293	2554	3247
85°	1079	1977	2899



TEST NUMBER: P709836

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.6	3.1
10°-20°	238.9	8.8
20°-30°	360.4	13.3
30°-40°	435.0	16.0
40°-50°	453.3	16.7
50°-60°	415.5	15.3
60°-70°	325.8	12.0
70°-80°	201.4	7.4
80°-90°	85.4	3.1
90°-100°	37.4	1.4
100°-110°	26.5	1.0
110°-120°	19.9	0.7
120°-130°	14.2	0.5
130°-140°	9.4	0.3
140°-150°	5.5	0.2
150°-160°	2.6	0.1
160°-170°	0.9	0.0
170°-180°	0.1	0.0
0°-30°	682.9	25.1
0°-40°	1117.9	41.2
0°-60°	1986.7	73.1
0°-90°	2599.3	95.7
90°-120°	83.9	3.1
90°-150°	113.0	4.2
90°-180°	117.0	4.3
0°-180°	2716.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	881	881	881	881	881	
5°	878	880	878	878	882	83
15°	843	844	847	850	851	237
25°	765	778	783	784	788	356
35°	684	687	693	705	707	426
45°	567	574	591	600	602	438
55°	439	450	467	477	487	392
65°	298	310	333	346	355	294
75°	151	167	192	214	219	160
85°	26	48	79	102	111	34
90°	2	20	49	70	79	2
95°	0	13	35	53	61	0
105°	0	10	26	41	46	0
115°	0	8	21	33	37	0
125°	0	7	17	25	29	0
135°	0	5	13	18	22	0
145°	1	4	10	13	15	0
155°	1	3	6	9	10	0
165°	1	2	3	4	4	0
175°	1	1	1	1	2	0
180°	1	1	1	1	1	



TEST NUMBER: P709836

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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	880.6	880.6	880.6	880.6	880.6
2.5°	881.4	885.0	883.2	881.4	880.6
5°	877.9	879.7	877.9	877.9	882.3
7.5°	872.6	875.3	871.7	877.0	877.9
10°	866.4	870.0	869.1	870.9	861.1
12.5°	855.8	860.3	856.7	861.1	858.5
15°	842.6	844.4	847.0	849.7	851.4
17.5°	823.2	831.1	833.8	836.4	838.2
20°	811.7	816.1	818.7	817.9	815.2
22.5°	794.0	796.7	804.6	802.8	808.1
25°	764.9	778.1	783.4	784.3	787.8
27.5°	756.9	757.8	764.0	769.3	759.6
30°	726.0	736.6	745.4	748.1	751.6
32.5°	704.8	713.6	718.9	728.7	730.4
35°	684.5	687.1	693.3	704.8	706.6
37.5°	653.6	661.5	673.9	680.1	681.0
40°	623.6	633.3	643.0	650.0	657.1
42.5°	600.6	605.9	617.4	626.2	625.3
45°	567.0	574.1	590.9	599.7	602.4
47.5°	537.0	547.6	560.0	573.2	575.9
50°	503.4	514.9	532.6	542.3	547.6
52.5°	475.2	482.2	499.9	509.6	517.6
55°	439.0	450.4	467.2	476.9	486.7
57.5°	403.6	417.8	434.5	450.4	455.7
60°	368.3	382.4	397.4	415.1	418.6
62.5°	334.7	349.8	365.7	383.3	390.4
65°	298.5	310.0	333.0	346.2	355.1
67.5°	260.5	274.7	296.8	311.8	322.4
70°	225.2	241.1	262.3	280.9	287.0
72.5°	186.4	205.8	226.1	245.5	254.4
75°	151.0	166.9	192.5	213.7	219.0
77.5°	117.5	132.5	159.9	181.1	189.0
80°	82.1	100.7	129.8	151.0	160.7
82.5°	52.1	71.5	101.6	124.5	135.1
85°	26.5	47.7	78.6	101.6	111.3
87.5°	8.8	30.0	60.1	83.9	93.6
90°	1.8	20.3	48.6	69.8	78.6
92.5°	0.0	15.0	40.6	60.1	68.0
95°	0.0	13.2	35.3	53.0	60.9
97.5°	0.0	12.4	32.7	48.6	54.8
100°	0.0	11.5	30.0	45.0	51.2
102.5°	0.0	10.6	28.3	42.4	48.6
105°	0.0	9.7	26.5	40.6	45.9



TEST NUMBER: P709836

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

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	8.8	23.0	33.6	38.9
115°	0.0	7.9	21.2	32.7	37.1
117.5°	0.0	7.9	20.3	30.0	34.4
120°	0.0	7.1	18.5	28.3	32.7
122.5°	0.0	7.1	17.7	27.4	30.9
125°	0.0	7.1	16.8	24.7	29.1
127.5°	0.0	6.2	15.9	23.8	26.5
130°	0.0	6.2	15.0	22.1	24.7
132.5°	0.0	5.3	14.1	20.3	23.0
135°	0.0	5.3	13.2	18.5	22.1
137.5°	0.0	5.3	12.4	17.7	19.4
140°	0.0	4.4	11.5	15.9	18.5
142.5°	0.9	4.4	9.7	15.0	16.8
145°	0.9	4.4	9.7	13.2	15.0
147.5°	0.9	3.5	8.8	12.4	14.1
150°	0.9	3.5	7.9	10.6	12.4
152.5°	0.9	2.6	7.1	9.7	10.6
155°	0.9	2.6	6.2	8.8	9.7
157.5°	0.9	2.6	5.3	7.1	7.9
160°	0.9	1.8	4.4	6.2	7.1
162.5°	0.9	1.8	3.5	5.3	6.2
165°	0.9	1.8	2.6	4.4	4.4
167.5°	0.9	1.8	2.6	3.5	3.5
170°	0.9	0.9	1.8	2.6	2.6
172.5°	0.9	0.9	1.8	1.8	1.8
175°	0.9	0.9	0.9	0.9	1.8
177.5°	0.9	0.9	0.9	0.9	0.9
180°	0.9	0.9	0.9	0.9	0.9



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	9.7	25.6	38.0	43.3
110°	0.0	8.8	23.8	36.2	41.5



(END OF REPORT)