

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: P709833

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

Issue Date: 9/26/2023



Test Information

Test Method: LM-79-08
Report Number: P709833
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-MID
Description: 2foot, Wide Adapt Surface Wrap with, RD lens and MID lumen setting, 3500K, 90CRI

Light Source: -
Ballast/Driver: -

Summary

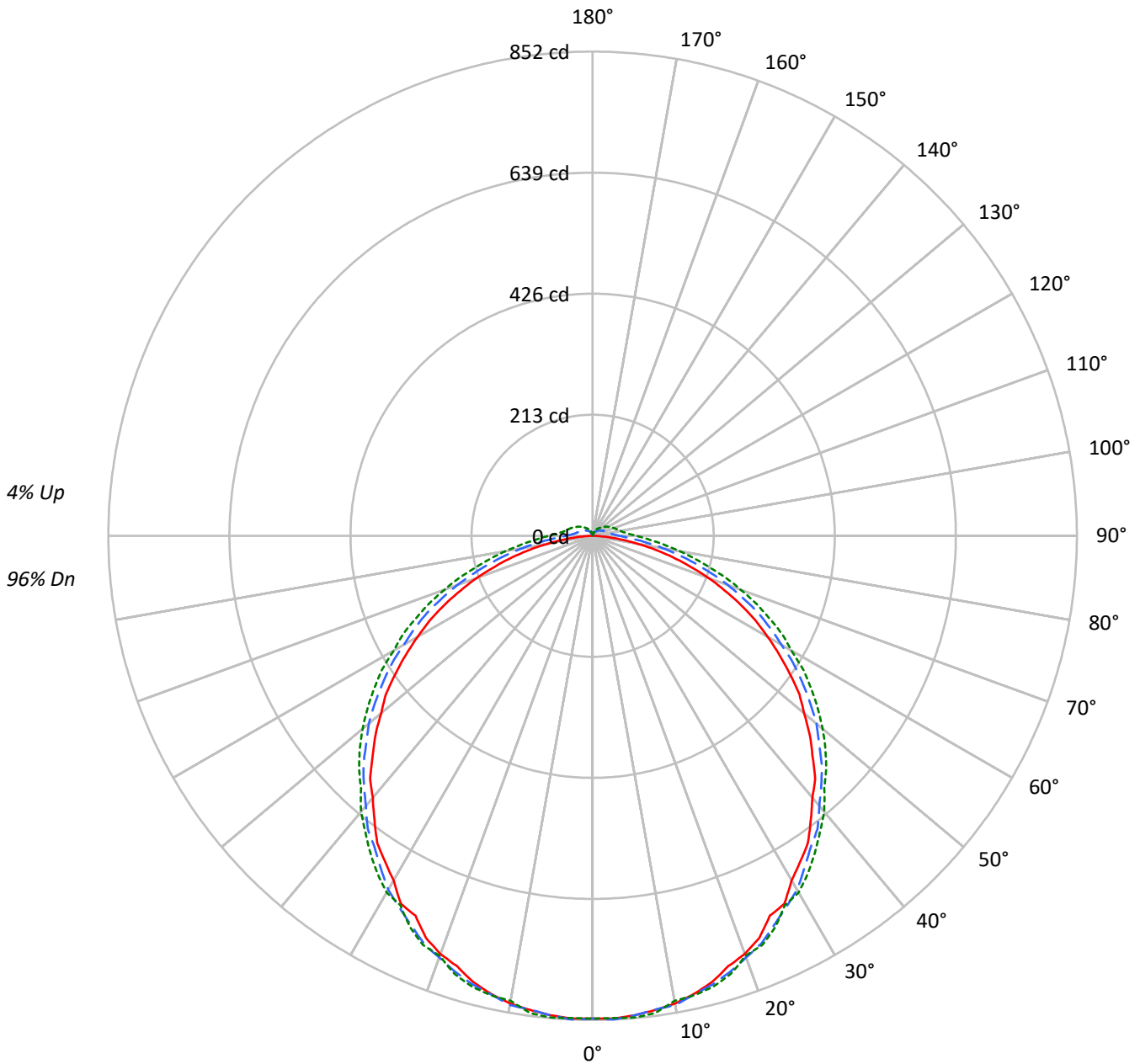
Lumens per Lamp: N/A
Luminaire Lumens: 2620.0 lumens
Efficiency: N/A
Efficacy: 119.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.27 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 1.71' x H: 0.17')
CIE Type: Direct

Input Watts (W): 22
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: P709833

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

Luminous Intensity Polar Plot





TEST NUMBER: P709833

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				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	98	98	98	96
1	107	102	97	93	104	99	95	91	94	91	88	90	87	84	85	83	81	81	81	81	79
2	97	89	81	76	94	86	80	74	82	77	72	78	74	70	74	71	67	67	67	67	65
3	88	78	69	62	85	76	68	62	72	65	60	69	63	58	66	61	57	57	57	57	54
4	81	69	60	53	78	67	59	52	64	57	51	61	55	50	58	53	49	49	49	49	46
5	74	61	52	45	72	60	51	45	57	50	44	55	48	43	52	47	42	42	42	42	40
6	68	55	46	39	66	54	45	39	52	44	38	49	43	38	47	42	37	37	37	37	35
7	63	50	41	35	61	49	40	34	47	39	34	45	38	33	43	37	33	33	33	33	31
8	59	45	37	31	57	45	36	31	43	35	30	41	35	30	40	34	29	29	29	29	27
9	55	42	33	28	53	41	33	28	39	32	27	38	32	27	37	31	26	26	26	26	25
10	52	38	30	25	50	38	30	25	36	29	25	35	29	24	34	28	24	24	24	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6442	6442	6442
5°	6392	6328	6365
10°	6326	6221	6174
15°	6216	6066	6113
20°	6099	5911	5906
25°	5900	5747	5805
30°	5800	5602	5678
35°	5715	5381	5519
40°	5496	5202	5355
45°	5336	5031	5173
50°	5122	4825	5009
55°	4902	4559	4803
60°	4598	4237	4521
65°	4260	3944	4270
70°	3785	3526	3929
75°	3114	3018	3509
80°	2212	2463	3134
85°	1043	1907	2797



TEST NUMBER: P709833

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.6	3.1
10°-20°	230.4	8.8
20°-30°	347.7	13.3
30°-40°	419.6	16.0
40°-50°	437.3	16.7
50°-60°	400.8	15.3
60°-70°	314.3	12.0
70°-80°	194.3	7.4
80°-90°	82.4	3.1
90°-100°	36.1	1.4
100°-110°	25.6	1.0
110°-120°	19.2	0.7
120°-130°	13.7	0.5
130°-140°	9.0	0.3
140°-150°	5.4	0.2
150°-160°	2.6	0.1
160°-170°	0.8	0.0
170°-180°	0.1	0.0
0°-30°	658.7	25.1
0°-40°	1078.4	41.2
0°-60°	1916.4	73.1
0°-90°	2507.5	95.7
90°-120°	80.9	3.1
90°-150°	109.0	4.2
90°-180°	113.0	4.3
0°-180°	2620.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	849	849	849	849	849	
5°	847	849	847	847	851	80
15°	813	814	817	820	821	229
25°	738	751	756	757	760	343
35°	660	663	669	680	682	411
45°	547	554	570	578	581	422
55°	423	434	451	460	470	378
65°	288	299	321	334	342	284
75°	146	161	186	206	211	155
85°	26	46	76	98	107	33
90°	2	20	47	67	76	2
95°	0	13	34	51	59	0
105°	0	9	26	39	44	0
115°	0	8	20	32	36	0
125°	0	7	16	24	28	0
135°	0	5	13	18	21	0
145°	1	4	9	13	14	0
155°	1	3	6	8	9	0
165°	1	2	3	4	4	0
175°	1	1	1	1	2	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	849.4	849.4	849.4	849.4	849.4
2.5°	850.3	853.7	852.0	850.3	849.4
5°	846.9	848.6	846.9	846.9	851.1
7.5°	841.8	844.3	840.9	846.0	846.9
10°	835.8	839.2	838.4	840.1	830.7
12.5°	825.6	829.8	826.4	830.7	828.1
15°	812.8	814.5	817.1	819.6	821.3
17.5°	794.1	801.7	804.3	806.8	808.5
20°	783.0	787.2	789.8	788.9	786.4
22.5°	765.9	768.5	776.2	774.5	779.6
25°	737.8	750.6	755.7	756.6	760.0
27.5°	730.2	731.0	737.0	742.1	732.7
30°	700.3	710.6	719.1	721.6	725.0
32.5°	679.9	688.4	693.5	702.9	704.6
35°	660.3	662.9	668.8	679.9	681.6
37.5°	630.5	638.1	650.1	656.0	656.9
40°	601.5	610.9	620.3	627.1	633.9
42.5°	579.4	584.5	595.5	604.1	603.2
45°	547.0	553.8	570.0	578.5	581.1
47.5°	518.0	528.2	540.2	552.9	555.5
50°	485.6	496.7	513.8	523.1	528.2
52.5°	458.4	465.2	482.2	491.6	499.3
55°	423.4	434.5	450.7	460.1	469.5
57.5°	389.4	403.0	419.2	434.5	439.6
60°	355.3	368.9	383.4	400.4	403.8
62.5°	322.9	337.4	352.7	369.8	376.6
65°	288.0	299.1	321.2	334.0	342.5
67.5°	251.3	265.0	286.3	300.8	311.0
70°	217.3	232.6	253.0	270.9	276.9
72.5°	179.8	198.5	218.1	236.9	245.4
75°	145.7	161.0	185.7	206.2	211.3
77.5°	113.3	127.8	154.2	174.7	182.3
80°	79.2	97.1	125.2	145.7	155.1
82.5°	50.3	69.0	98.0	120.1	130.4
85°	25.6	46.0	75.8	98.0	107.4
87.5°	8.5	29.0	57.9	80.9	90.3
90°	1.7	19.6	46.9	67.3	75.8
92.5°	0.0	14.5	39.2	57.9	65.6
95°	0.0	12.8	34.1	51.1	58.8
97.5°	0.0	11.9	31.5	46.9	52.8
100°	0.0	11.1	29.0	43.5	49.4
102.5°	0.0	10.2	27.3	40.9	46.9
105°	0.0	9.4	25.6	39.2	44.3



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

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	8.5	22.2	32.4	37.5
115°	0.0	7.7	20.4	31.5	35.8
117.5°	0.0	7.7	19.6	29.0	33.2
120°	0.0	6.8	17.9	27.3	31.5
122.5°	0.0	6.8	17.0	26.4	29.8
125°	0.0	6.8	16.2	23.9	28.1
127.5°	0.0	6.0	15.3	23.0	25.6
130°	0.0	6.0	14.5	21.3	23.9
132.5°	0.0	5.1	13.6	19.6	22.2
135°	0.0	5.1	12.8	17.9	21.3
137.5°	0.0	5.1	11.9	17.0	18.7
140°	0.0	4.3	11.1	15.3	17.9
142.5°	0.9	4.3	9.4	14.5	16.2
145°	0.9	4.3	9.4	12.8	14.5
147.5°	0.9	3.4	8.5	11.9	13.6
150°	0.9	3.4	7.7	10.2	11.9
152.5°	0.9	2.6	6.8	9.4	10.2
155°	0.9	2.6	6.0	8.5	9.4
157.5°	0.9	2.6	5.1	6.8	7.7
160°	0.9	1.7	4.3	6.0	6.8
162.5°	0.9	1.7	3.4	5.1	6.0
165°	0.9	1.7	2.6	4.3	4.3
167.5°	0.9	1.7	2.6	3.4	3.4
170°	0.9	0.9	1.7	2.6	2.6
172.5°	0.9	0.9	1.7	1.7	1.7
175°	0.9	0.9	0.9	0.9	1.7
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	9.4	24.7	36.6	41.7
110°	0.0	8.5	23.0	34.9	40.0



(END OF REPORT)