

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: P709710

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

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709710
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: 2AWS-L3C39-UNV-4000K-MID
Description: 2foot, Adapt Surface Wrap with, RD lens and MID lumen setting,
4000K, 90CRI

Light Source: -
Ballast/Driver: -

Summary

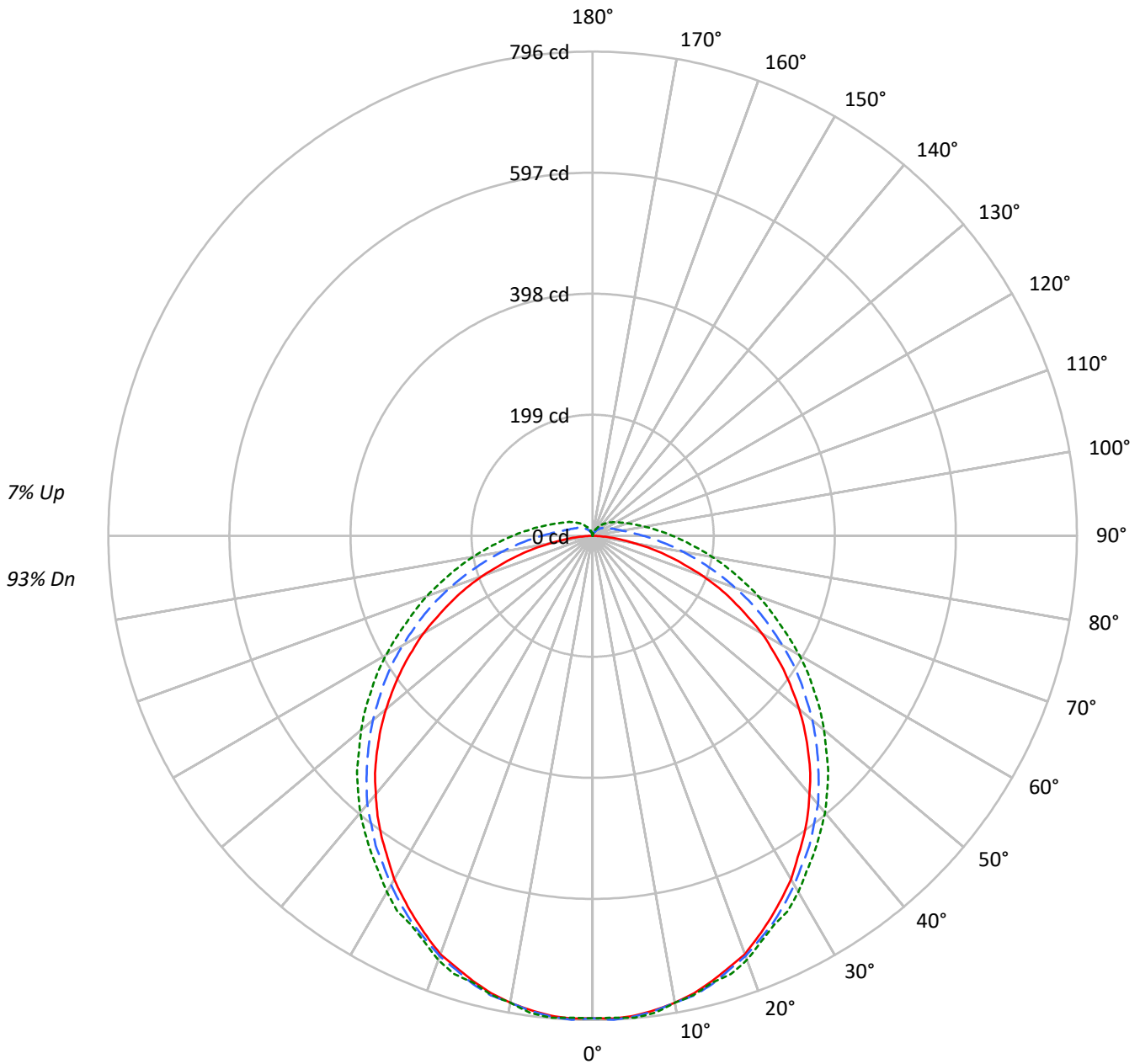
Lumens per Lamp: N/A
Luminaire Lumens: 2569.0 lumens
Efficiency: N/A
Efficacy: 122.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 1.71' x H: 0.12')
CIE Type: Direct

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

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	96	96	96	93
1	106	101	96	92	102	98	93	89	92	89	85	87	84	81	82	80	78	78	78	78	75
2	96	87	80	74	93	85	78	72	80	74	70	76	71	67	71	68	64	64	64	64	62
3	87	76	68	61	84	74	66	60	70	63	58	66	61	56	63	58	54	54	54	54	52
4	80	67	58	51	77	65	57	51	62	55	49	59	53	48	56	51	46	46	46	46	44
5	73	60	51	44	71	58	50	43	56	48	42	53	46	41	50	45	40	40	40	40	38
6	68	54	45	38	65	53	44	38	50	43	37	48	41	36	46	40	35	35	35	35	33
7	63	49	40	34	60	48	39	33	46	38	33	43	37	32	42	36	31	31	31	31	29
8	58	45	36	30	56	44	35	30	42	34	29	40	33	29	38	32	28	28	28	28	26
9	54	41	33	27	53	40	32	27	38	31	26	37	30	26	35	29	25	25	25	25	23
10	51	38	30	24	49	37	29	24	35	29	24	34	28	23	33	27	23	23	23	23	21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10853	10853	10853
5°	10813	10676	10682
10°	10699	10402	10355
15°	10539	10165	10066
20°	10391	9866	9868
25°	10133	9559	9498
30°	9904	9222	9285
35°	9625	8922	8972
40°	9354	8602	8710
45°	9062	8214	8406
50°	8707	7850	8065
55°	8303	7456	7723
60°	7848	7014	7389
65°	7196	6564	7008
70°	6440	6058	6754
75°	5380	5548	6483
80°	3906	5116	6322
85°	2082	4806	6364



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.3	2.9
10°-20°	214.7	8.4
20°-30°	323.0	12.6
30°-40°	388.0	15.1
40°-50°	404.0	15.7
50°-60°	371.2	14.4
60°-70°	298.1	11.6
70°-80°	203.2	7.9
80°-90°	115.5	4.5
90°-100°	64.7	2.5
100°-110°	40.9	1.6
110°-120°	27.9	1.1
120°-130°	19.2	0.7
130°-140°	12.2	0.5
140°-150°	6.8	0.3
150°-160°	3.1	0.1
160°-170°	1.0	0.0
170°-180°	0.1	0.0
0°-30°	613.0	23.9
0°-40°	1001.0	39.0
0°-60°	1776.1	69.1
0°-90°	2393.0	93.1
90°-120°	133.6	5.2
90°-150°	171.8	6.7
90°-180°	176.0	6.9
0°-180°	2569.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	793	793	793	793	793	
5°	792	793	793	794	795	75
15°	758	757	762	765	760	214
25°	693	693	702	709	706	319
35°	604	608	622	631	635	378
45°	501	507	524	540	548	386
55°	383	394	417	436	444	342
65°	256	275	304	327	338	254
75°	128	156	197	230	242	136
85°	24	61	112	149	161	29
90°	1	36	83	117	131	1
95°	0	23	62	94	106	0
105°	0	15	40	62	72	0
115°	0	11	30	46	51	0
125°	1	8	23	34	39	1
135°	1	7	17	25	28	1
145°	1	4	11	17	18	1
155°	1	3	7	10	11	1
165°	1	2	3	4	6	0
175°	1	1	1	1	1	0
180°	1	1	1	1	1	



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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	793.1	793.1	793.1	793.1	793.1
2.5°	794.3	793.1	796.5	795.4	793.1
5°	792.0	793.1	793.1	794.3	795.4
7.5°	786.3	784.0	787.5	790.9	790.9
10°	779.5	777.2	779.5	781.8	779.5
12.5°	770.4	765.9	773.8	773.8	772.7
15°	757.9	756.8	762.5	764.7	760.2
17.5°	744.3	747.7	747.7	752.2	755.6
20°	731.8	729.5	735.2	738.6	742.0
22.5°	712.5	711.3	718.1	723.8	722.7
25°	693.1	693.1	702.2	709.0	705.6
27.5°	672.7	672.7	682.9	689.7	695.4
30°	652.2	654.5	662.5	671.5	676.1
32.5°	627.2	632.9	640.9	653.4	654.5
35°	604.5	607.9	621.6	630.6	635.2
37.5°	580.6	581.8	597.7	610.2	614.7
40°	554.5	556.8	576.1	587.5	594.3
42.5°	529.5	531.8	550.0	564.7	570.4
45°	501.1	506.8	523.8	539.7	547.7
47.5°	472.7	480.7	497.7	515.9	520.4
50°	443.2	451.1	471.6	486.3	496.6
52.5°	412.5	422.7	443.2	462.5	471.6
55°	382.9	394.3	417.0	436.3	444.3
57.5°	351.1	364.7	389.7	410.2	419.3
60°	321.6	332.9	360.2	381.8	392.0
62.5°	287.5	302.3	331.8	355.7	364.7
65°	255.7	275.0	304.5	327.3	337.5
67.5°	225.0	244.3	277.3	301.1	313.6
70°	192.0	213.6	248.8	276.1	289.8
72.5°	157.9	182.9	222.7	253.4	264.8
75°	128.4	155.7	196.6	229.5	242.0
77.5°	98.9	127.3	172.7	206.8	220.4
80°	69.3	101.1	151.1	186.4	198.9
82.5°	45.5	80.7	130.7	165.9	179.5
85°	23.9	61.4	112.5	148.9	161.4
87.5°	8.0	46.6	96.6	132.9	145.4
90°	1.1	36.4	82.9	117.0	130.7
92.5°	0.0	28.4	71.6	105.7	118.2
95°	0.0	22.7	62.5	94.3	105.7
97.5°	0.0	19.3	55.7	84.1	96.6
100°	0.0	17.0	48.9	76.1	86.4
102.5°	0.0	15.9	44.3	68.2	78.4
105°	0.0	14.8	39.8	62.5	71.6



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

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	11.4	31.8	48.9	55.7
115°	0.0	11.4	29.5	45.5	51.1
117.5°	0.0	10.2	28.4	42.0	47.7
120°	0.0	9.1	26.1	39.8	45.5
122.5°	0.0	9.1	23.9	37.5	42.0
125°	1.1	8.0	22.7	34.1	38.6
127.5°	1.1	8.0	21.6	31.8	36.4
130°	1.1	6.8	19.3	29.5	33.0
132.5°	1.1	6.8	18.2	27.3	30.7
135°	1.1	6.8	17.0	25.0	28.4
137.5°	1.1	5.7	14.8	22.7	26.1
140°	1.1	5.7	13.6	20.5	23.9
142.5°	1.1	5.7	12.5	18.2	21.6
145°	1.1	4.5	11.4	17.0	18.2
147.5°	1.1	4.5	10.2	14.8	17.0
150°	1.1	3.4	9.1	12.5	14.8
152.5°	1.1	3.4	8.0	11.4	12.5
155°	1.1	3.4	6.8	10.2	11.4
157.5°	1.1	3.4	5.7	9.1	9.1
160°	1.1	2.3	4.5	6.8	8.0
162.5°	1.1	2.3	4.5	5.7	6.8
165°	1.1	2.3	3.4	4.5	5.7
167.5°	1.1	1.1	2.3	3.4	4.5
170°	1.1	1.1	2.3	2.3	3.4
172.5°	1.1	1.1	1.1	1.1	2.3
175°	1.1	1.1	1.1	1.1	1.1
177.5°	1.1	1.1	1.1	0.0	0.0
180°	1.1	1.1	1.1	1.1	1.1



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	13.6	37.5	56.8	65.9
110°	0.0	12.5	34.1	52.3	60.2



(END OF REPORT)