

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: P709838

Luminaire Tested: **2AWWS-L3C39-UNV-5000K-LOW**

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709838
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-5000K-LOW
Description: 2foot, Wide Adapt Surface Wrap with, RD lens and LOW lumen setting,
5000K, 90CRI

Light Source: -
Ballast/Driver: -

Summary

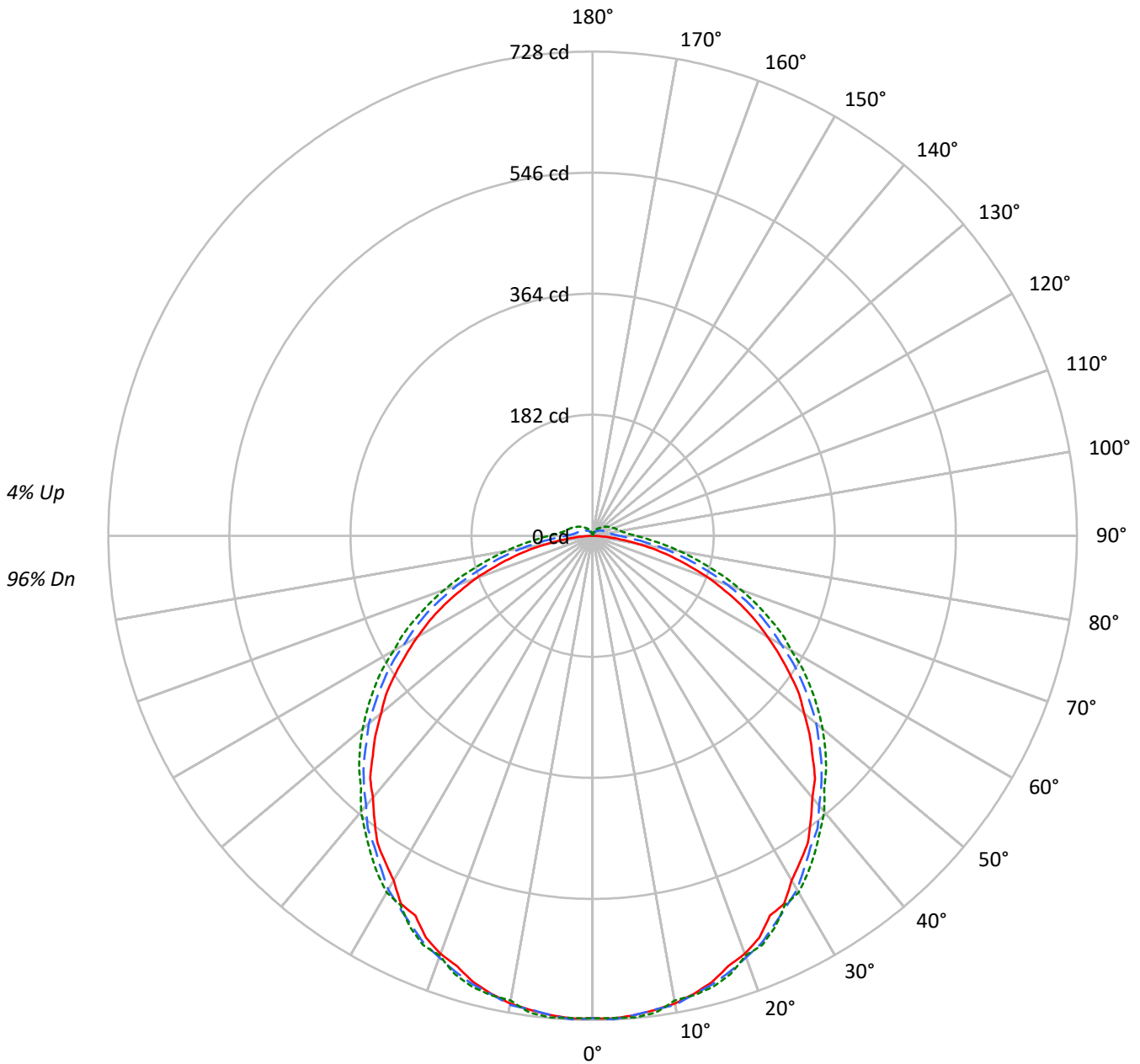
Lumens per Lamp: N/A
Luminaire Lumens: 2238.0 lumens
Efficiency: N/A
Efficacy: 124.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.27 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 1.71' x H: 0.17')
CIE Type: Direct

Input Watts (W): 18
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				
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°	5503	5503	5503
5°	5460	5405	5437
10°	5403	5313	5274
15°	5310	5181	5222
20°	5209	5049	5045
25°	5041	4909	4959
30°	4954	4784	4850
35°	4882	4597	4714
40°	4695	4443	4575
45°	4558	4298	4418
50°	4376	4121	4279
55°	4188	3894	4102
60°	3927	3619	3863
65°	3639	3370	3648
70°	3233	3012	3356
75°	2659	2579	2998
80°	1891	2105	2677
85°	888	1630	2388



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.9	3.1
10°-20°	196.8	8.8
20°-30°	297.0	13.3
30°-40°	358.4	16.0
40°-50°	373.5	16.7
50°-60°	342.4	15.3
60°-70°	268.5	12.0
70°-80°	166.0	7.4
80°-90°	70.4	3.1
90°-100°	30.8	1.4
100°-110°	21.9	1.0
110°-120°	16.4	0.7
120°-130°	11.7	0.5
130°-140°	7.7	0.3
140°-150°	4.6	0.2
150°-160°	2.2	0.1
160°-170°	0.7	0.0
170°-180°	0.1	0.0
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0°-30°	562.7	25.1
0°-40°	921.1	41.2
0°-60°	1637.0	73.1
0°-90°	2141.9	95.7
90°-120°	69.1	3.1
90°-150°	93.1	4.2
90°-180°	96.0	4.3
0°-180°	2238.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	726	726	726	726	726	
5°	723	725	723	723	727	69
15°	694	696	698	700	702	196
25°	630	641	646	646	649	293
35°	564	566	571	581	582	351
45°	467	473	487	494	496	361
55°	362	371	385	393	401	323
65°	246	255	274	285	293	243
75°	124	138	159	176	180	132
85°	22	39	65	84	92	28
90°	2	17	40	58	65	1
95°	0	11	29	44	50	0
105°	0	8	22	34	38	0
115°	0	6	18	27	31	0
125°	0	6	14	20	24	0
135°	0	4	11	15	18	0
145°	1	4	8	11	12	0
155°	1	2	5	7	8	0
165°	1	2	2	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°	725.6	725.6	725.6	725.6	725.6
2.5°	726.3	729.2	727.8	726.3	725.6
5°	723.4	724.9	723.4	723.4	727.0
7.5°	719.0	721.2	718.3	722.7	723.4
10°	713.9	716.9	716.1	717.6	709.6
12.5°	705.2	708.9	705.9	709.6	707.4
15°	694.3	695.8	697.9	700.1	701.6
17.5°	678.3	684.8	687.0	689.2	690.7
20°	668.8	672.5	674.6	673.9	671.7
22.5°	654.3	656.5	663.0	661.5	665.9
25°	630.3	641.2	645.5	646.3	649.2
27.5°	623.7	624.4	629.5	633.9	625.9
30°	598.2	607.0	614.2	616.4	619.3
32.5°	580.8	588.0	592.4	600.4	601.9
35°	564.0	566.2	571.3	580.8	582.2
37.5°	538.6	545.1	555.3	560.4	561.1
40°	513.8	521.8	529.8	535.6	541.5
42.5°	494.9	499.3	508.7	516.0	515.3
45°	467.2	473.1	486.9	494.2	496.3
47.5°	442.5	451.2	461.4	472.3	474.5
50°	414.8	424.3	438.8	446.9	451.2
52.5°	391.5	397.4	411.9	419.9	426.5
55°	361.7	371.2	385.0	393.0	401.0
57.5°	332.6	344.2	358.1	371.2	375.5
60°	303.5	315.1	327.5	342.1	345.0
62.5°	275.8	288.2	301.3	315.9	321.7
65°	246.0	255.4	274.4	285.3	292.6
67.5°	214.7	226.3	244.5	256.9	265.6
70°	185.6	198.7	216.1	231.4	236.5
72.5°	153.6	169.6	186.3	202.3	209.6
75°	124.4	137.5	158.7	176.1	180.5
77.5°	96.8	109.2	131.7	149.2	155.7
80°	67.7	83.0	107.0	124.4	132.5
82.5°	42.9	58.9	83.7	102.6	111.3
85°	21.8	39.3	64.8	83.7	91.7
87.5°	7.3	24.7	49.5	69.1	77.1
90°	1.5	16.7	40.0	57.5	64.8
92.5°	0.0	12.4	33.5	49.5	56.0
95°	0.0	10.9	29.1	43.7	50.2
97.5°	0.0	10.2	26.9	40.0	45.1
100°	0.0	9.5	24.7	37.1	42.2
102.5°	0.0	8.7	23.3	34.9	40.0
105°	0.0	8.0	21.8	33.5	37.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	7.3	18.9	27.7	32.0
115°	0.0	6.5	17.5	26.9	30.6
117.5°	0.0	6.5	16.7	24.7	28.4
120°	0.0	5.8	15.3	23.3	26.9
122.5°	0.0	5.8	14.6	22.6	25.5
125°	0.0	5.8	13.8	20.4	24.0
127.5°	0.0	5.1	13.1	19.6	21.8
130°	0.0	5.1	12.4	18.2	20.4
132.5°	0.0	4.4	11.6	16.7	18.9
135°	0.0	4.4	10.9	15.3	18.2
137.5°	0.0	4.4	10.2	14.6	16.0
140°	0.0	3.6	9.5	13.1	15.3
142.5°	0.7	3.6	8.0	12.4	13.8
145°	0.7	3.6	8.0	10.9	12.4
147.5°	0.7	2.9	7.3	10.2	11.6
150°	0.7	2.9	6.5	8.7	10.2
152.5°	0.7	2.2	5.8	8.0	8.7
155°	0.7	2.2	5.1	7.3	8.0
157.5°	0.7	2.2	4.4	5.8	6.5
160°	0.7	1.5	3.6	5.1	5.8
162.5°	0.7	1.5	2.9	4.4	5.1
165°	0.7	1.5	2.2	3.6	3.6
167.5°	0.7	1.5	2.2	2.9	2.9
170°	0.7	0.7	1.5	2.2	2.2
172.5°	0.7	0.7	1.5	1.5	1.5
175°	0.7	0.7	0.7	0.7	1.5
177.5°	0.7	0.7	0.7	0.7	0.7
180°	0.7	0.7	0.7	0.7	0.7



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	8.0	21.1	31.3	35.7
110°	0.0	7.3	19.6	29.8	34.2



(END OF REPORT)