

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: P709706

Luminaire Tested: **2AWS-L3C39-UNV-3500K-LOW**

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709706
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-3500K-LOW
Description: 2foot, Adapt Surface Wrap with, RD lens and LOW lumen setting,
3500K, 90CRI

Light Source: -
Ballast/Driver: -

Summary

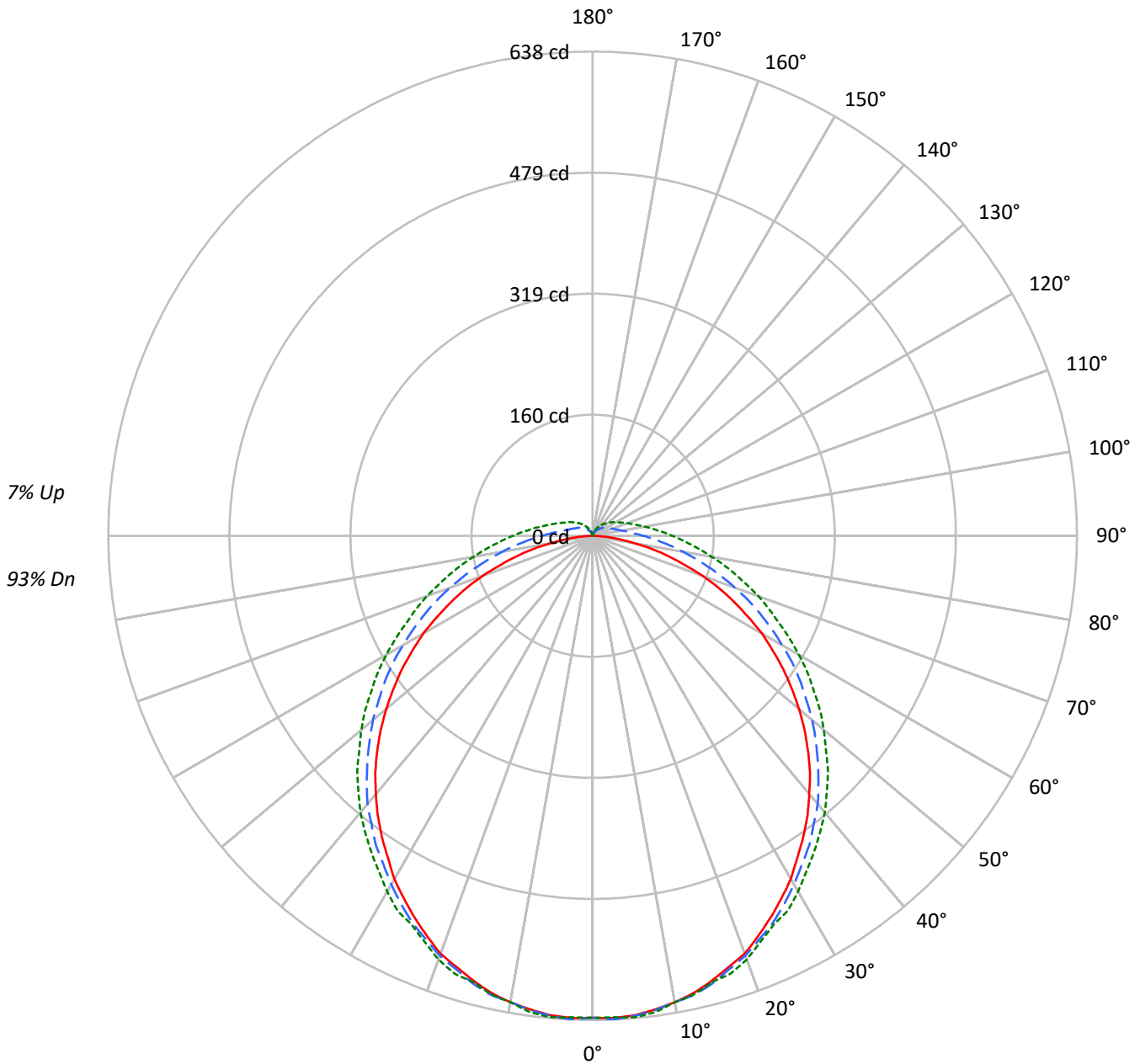
Lumens per Lamp: N/A
Luminaire Lumens: 2057.0 lumens
Efficiency: N/A
Efficacy: 121.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 1.71' x H: 0.12')
CIE Type: Direct

Input Watts (W): 17
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									
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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93																			
1	106	101	96	92	102	98	93	89	92	89	85	87	84	81	82	80	78	75																			
2	96	87	80	74	93	85	78	72	80	74	70	76	71	67	71	68	64	62																			
3	87	76	68	61	84	74	66	60	70	63	58	66	61	56	63	58	54	52																			
4	80	67	58	51	77	65	57	51	62	55	49	59	53	48	56	51	46	44																			
5	73	60	51	44	71	58	50	43	56	48	42	53	46	41	50	45	40	38																			
6	68	54	45	38	65	53	44	38	50	43	37	48	41	36	46	40	35	33																			
7	63	49	40	34	60	48	39	33	46	38	33	43	37	32	42	36	31	29																			
8	58	45	36	30	56	44	35	30	42	34	29	40	33	29	38	32	28	26																			
9	54	41	33	27	53	40	32	27	38	31	26	37	30	26	35	29	25	23																			
10	51	38	30	24	49	37	29	24	35	29	24	34	28	23	33	27	23	21																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8691	8691	8691
5°	8658	8549	8553
10°	8566	8328	8291
15°	8439	8138	8060
20°	8320	7900	7901
25°	8114	7654	7606
30°	7930	7383	7434
35°	7707	7143	7184
40°	7490	6888	6973
45°	7255	6577	6730
50°	6970	6285	6457
55°	6648	5970	6183
60°	6284	5616	5917
65°	5761	5256	5610
70°	5159	4853	5407
75°	4307	4442	5192
80°	3129	4097	5060
85°	1664	3849	5095



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.3	2.9
10°-20°	171.9	8.4
20°-30°	258.7	12.6
30°-40°	310.6	15.1
40°-50°	323.5	15.7
50°-60°	297.2	14.4
60°-70°	238.7	11.6
70°-80°	162.7	7.9
80°-90°	92.5	4.5
90°-100°	51.8	2.5
100°-110°	32.8	1.6
110°-120°	22.4	1.1
120°-130°	15.4	0.7
130°-140°	9.8	0.5
140°-150°	5.4	0.3
150°-160°	2.5	0.1
160°-170°	0.8	0.0
170°-180°	0.1	0.0
0°-30°	490.8	23.9
0°-40°	801.5	39.0
0°-60°	1422.2	69.1
0°-90°	1916.1	93.2
90°-120°	106.9	5.2
90°-150°	137.5	6.7
90°-180°	141.0	6.9
0°-180°	2057.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	635	635	635	635	635	
5°	634	635	635	636	637	60
15°	607	606	610	612	609	171
25°	555	555	562	568	565	256
35°	484	487	498	505	509	303
45°	401	406	419	432	438	309
55°	307	316	334	349	356	274
65°	205	220	244	262	270	203
75°	103	125	157	184	194	109
85°	19	49	90	119	129	23
90°	1	29	66	94	105	1
95°	0	18	50	76	85	0
105°	0	12	32	50	57	0
115°	0	9	24	36	41	0
125°	1	6	18	27	31	0
135°	1	6	14	20	23	1
145°	1	4	9	14	15	1
155°	1	3	6	8	9	0
165°	1	2	3	4	4	0
175°	1	1	1	1	1	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	635.1	635.1	635.1	635.1	635.1
2.5°	636.0	635.1	637.8	636.9	635.1
5°	634.2	635.1	635.1	636.0	636.9
7.5°	629.6	627.8	630.5	633.2	633.2
10°	624.1	622.3	624.1	626.0	624.1
12.5°	616.9	613.2	619.6	619.6	618.7
15°	606.9	605.9	610.5	612.3	608.7
17.5°	595.9	598.7	598.7	602.3	605.0
20°	585.9	584.1	588.7	591.4	594.1
22.5°	570.5	569.6	575.0	579.6	578.7
25°	555.0	555.0	562.3	567.7	565.0
27.5°	538.6	538.6	546.8	552.3	556.8
30°	522.2	524.1	530.4	537.7	541.3
32.5°	502.2	506.8	513.1	523.2	524.1
35°	484.0	486.8	497.7	505.0	508.6
37.5°	464.9	465.8	478.6	488.6	492.2
40°	444.0	445.8	461.3	470.4	475.8
42.5°	424.0	425.8	440.4	452.2	456.7
45°	401.2	405.8	419.4	432.2	438.5
47.5°	378.5	384.9	398.5	413.1	416.7
50°	354.8	361.2	377.6	389.4	397.6
52.5°	330.3	338.5	354.8	370.3	377.6
55°	306.6	315.7	333.9	349.4	355.7
57.5°	281.1	292.1	312.1	328.4	335.7
60°	257.5	266.6	288.4	305.7	313.9
62.5°	230.2	242.0	265.7	284.8	292.1
65°	204.7	220.2	243.8	262.0	270.2
67.5°	180.1	195.6	222.0	241.1	251.1
70°	153.8	171.0	199.3	221.1	232.0
72.5°	126.5	146.5	178.3	202.9	212.0
75°	102.8	124.6	157.4	183.8	193.8
77.5°	79.2	101.9	138.3	165.6	176.5
80°	55.5	81.0	121.0	149.2	159.2
82.5°	36.4	64.6	104.6	132.8	143.8
85°	19.1	49.1	90.1	119.2	129.2
87.5°	6.4	37.3	77.3	106.5	116.5
90°	0.9	29.1	66.4	93.7	104.6
92.5°	0.0	22.7	57.3	84.6	94.6
95°	0.0	18.2	50.0	75.5	84.6
97.5°	0.0	15.5	44.6	67.3	77.3
100°	0.0	13.6	39.1	61.0	69.1
102.5°	0.0	12.7	35.5	54.6	62.8
105°	0.0	11.8	31.8	50.0	57.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	9.1	25.5	39.1	44.6
115°	0.0	9.1	23.7	36.4	40.9
117.5°	0.0	8.2	22.7	33.7	38.2
120°	0.0	7.3	20.9	31.8	36.4
122.5°	0.0	7.3	19.1	30.0	33.7
125°	0.9	6.4	18.2	27.3	30.9
127.5°	0.9	6.4	17.3	25.5	29.1
130°	0.9	5.5	15.5	23.7	26.4
132.5°	0.9	5.5	14.6	21.8	24.6
135°	0.9	5.5	13.6	20.0	22.7
137.5°	0.9	4.5	11.8	18.2	20.9
140°	0.9	4.5	10.9	16.4	19.1
142.5°	0.9	4.5	10.0	14.6	17.3
145°	0.9	3.6	9.1	13.6	14.6
147.5°	0.9	3.6	8.2	11.8	13.6
150°	0.9	2.7	7.3	10.0	11.8
152.5°	0.9	2.7	6.4	9.1	10.0
155°	0.9	2.7	5.5	8.2	9.1
157.5°	0.9	2.7	4.5	7.3	7.3
160°	0.9	1.8	3.6	5.5	6.4
162.5°	0.9	1.8	3.6	4.5	5.5
165°	0.9	1.8	2.7	3.6	4.5
167.5°	0.9	0.9	1.8	2.7	3.6
170°	0.9	0.9	1.8	1.8	2.7
172.5°	0.9	0.9	0.9	0.9	1.8
175°	0.9	0.9	0.9	0.9	0.9
177.5°	0.9	0.9	0.9	0.0	0.0
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	10.9	30.0	45.5	52.8
110°	0.0	10.0	27.3	41.9	48.2



(END OF REPORT)