

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: P709835

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

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709835
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-LOW
Description: 2foot, Wide Adapt Surface Wrap with, RD lens and LOW lumen setting,
4000K, 90CRI

Light Source: -
Ballast/Driver: -

Summary

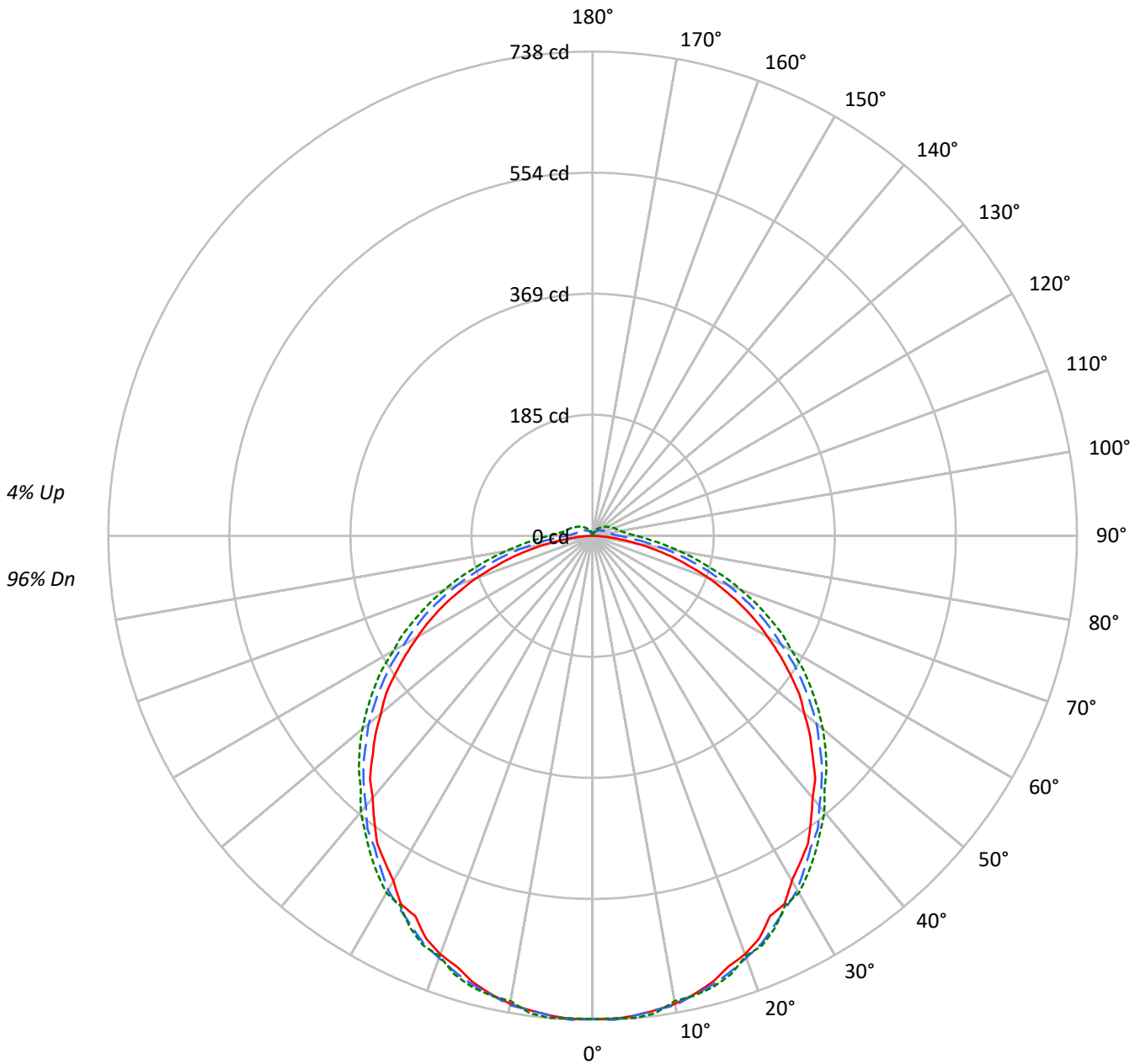
Lumens per Lamp: N/A
Luminaire Lumens: 2271.0 lumens
Efficiency: N/A
Efficacy: 133.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.27 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 1.71' x H: 0.17')
CIE Type: Direct

Input Watts (W): 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	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°	5584	5584	5584
5°	5540	5485	5518
10°	5483	5392	5351
15°	5388	5257	5299
20°	5286	5124	5119
25°	5114	4982	5031
30°	5028	4855	4922
35°	4954	4664	4784
40°	4764	4508	4641
45°	4625	4361	4484
50°	4440	4182	4343
55°	4249	3952	4163
60°	3985	3672	3920
65°	3692	3419	3702
70°	3280	3056	3405
75°	2699	2617	3041
80°	1919	2136	2716
85°	904	1653	2425



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.9	3.1
10°-20°	199.7	8.8
20°-30°	301.4	13.3
30°-40°	363.7	16.0
40°-50°	379.0	16.7
50°-60°	347.4	15.3
60°-70°	272.4	12.0
70°-80°	168.4	7.4
80°-90°	71.4	3.1
90°-100°	31.3	1.4
100°-110°	22.2	1.0
110°-120°	16.6	0.7
120°-130°	11.9	0.5
130°-140°	7.8	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
0°-30°	571.0	25.1
0°-40°	934.7	41.2
0°-60°	1661.1	73.1
0°-90°	2173.4	95.7
90°-120°	70.1	3.1
90°-150°	94.5	4.2
90°-180°	98.0	4.3
0°-180°	2271.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	736	736	736	736	736	
5°	734	736	734	734	738	70
15°	704	706	708	710	712	198
25°	640	651	655	656	659	298
35°	572	575	580	589	591	356
45°	474	480	494	501	504	366
55°	367	377	391	399	407	328
65°	250	259	278	290	297	246
75°	126	140	161	179	183	134
85°	22	40	66	85	93	28
90°	2	17	41	58	66	1
95°	0	11	30	44	51	0
105°	0	8	22	34	38	0
115°	0	7	18	27	31	0
125°	0	6	14	21	24	0
135°	0	4	11	16	18	0
145°	1	4	8	11	13	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°	736.3	736.3	736.3	736.3	736.3
2.5°	737.0	740.0	738.5	737.0	736.3
5°	734.1	735.6	734.1	734.1	737.8
7.5°	729.6	731.9	728.9	733.3	734.1
10°	724.5	727.4	726.7	728.2	720.0
12.5°	715.6	719.3	716.4	720.0	717.8
15°	704.5	706.0	708.2	710.4	711.9
17.5°	688.3	694.9	697.1	699.4	700.8
20°	678.7	682.4	684.6	683.9	681.6
22.5°	663.9	666.1	672.8	671.3	675.7
25°	639.5	650.6	655.1	655.8	658.7
27.5°	632.9	633.6	638.8	643.2	635.1
30°	607.1	615.9	623.3	625.5	628.5
32.5°	589.3	596.7	601.1	609.3	610.7
35°	572.3	574.6	579.7	589.3	590.8
37.5°	546.5	553.1	563.5	568.6	569.4
40°	521.4	529.5	537.6	543.5	549.4
42.5°	502.2	506.6	516.2	523.6	522.9
45°	474.1	480.0	494.1	501.4	503.7
47.5°	449.0	457.9	468.2	479.3	481.5
50°	420.9	430.5	445.3	453.4	457.9
52.5°	397.3	403.2	418.0	426.1	432.8
55°	367.0	376.6	390.7	398.8	406.9
57.5°	337.5	349.3	363.3	376.6	381.1
60°	308.0	319.8	332.3	347.1	350.1
62.5°	279.9	292.4	305.7	320.5	326.4
65°	249.6	259.2	278.4	289.5	296.9
67.5°	217.9	229.7	248.1	260.7	269.6
70°	188.3	201.6	219.3	234.8	240.0
72.5°	155.8	172.1	189.1	205.3	212.7
75°	126.3	139.6	161.0	178.7	183.1
77.5°	98.2	110.8	133.7	151.4	158.0
80°	68.7	84.2	108.6	126.3	134.4
82.5°	43.6	59.8	84.9	104.1	113.0
85°	22.2	39.9	65.7	84.9	93.1
87.5°	7.4	25.1	50.2	70.2	78.3
90°	1.5	17.0	40.6	58.3	65.7
92.5°	0.0	12.6	34.0	50.2	56.9
95°	0.0	11.1	29.5	44.3	51.0
97.5°	0.0	10.3	27.3	40.6	45.8
100°	0.0	9.6	25.1	37.7	42.8
102.5°	0.0	8.9	23.6	35.4	40.6
105°	0.0	8.1	22.2	34.0	38.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	7.4	19.2	28.1	32.5
115°	0.0	6.6	17.7	27.3	31.0
117.5°	0.0	6.6	17.0	25.1	28.8
120°	0.0	5.9	15.5	23.6	27.3
122.5°	0.0	5.9	14.8	22.9	25.8
125°	0.0	5.9	14.0	20.7	24.4
127.5°	0.0	5.2	13.3	19.9	22.2
130°	0.0	5.2	12.6	18.5	20.7
132.5°	0.0	4.4	11.8	17.0	19.2
135°	0.0	4.4	11.1	15.5	18.5
137.5°	0.0	4.4	10.3	14.8	16.2
140°	0.0	3.7	9.6	13.3	15.5
142.5°	0.7	3.7	8.1	12.6	14.0
145°	0.7	3.7	8.1	11.1	12.6
147.5°	0.7	3.0	7.4	10.3	11.8
150°	0.7	3.0	6.6	8.9	10.3
152.5°	0.7	2.2	5.9	8.1	8.9
155°	0.7	2.2	5.2	7.4	8.1
157.5°	0.7	2.2	4.4	5.9	6.6
160°	0.7	1.5	3.7	5.2	5.9
162.5°	0.7	1.5	3.0	4.4	5.2
165°	0.7	1.5	2.2	3.7	3.7
167.5°	0.7	1.5	2.2	3.0	3.0
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	8.1	21.4	31.8	36.2
110°	0.0	7.4	19.9	30.3	34.7



(END OF REPORT)