

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: P709693

Luminaire Tested: **2AWS-L3C39-CA-UNV-4000K-HI**

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709693
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-CA-UNV-4000K-HI
Description: 2foot, Adapt Surface Wrap with, RD lens and HI lumen setting,
4000K, 90CRI

Light Source: -
Ballast/Driver: -

Summary

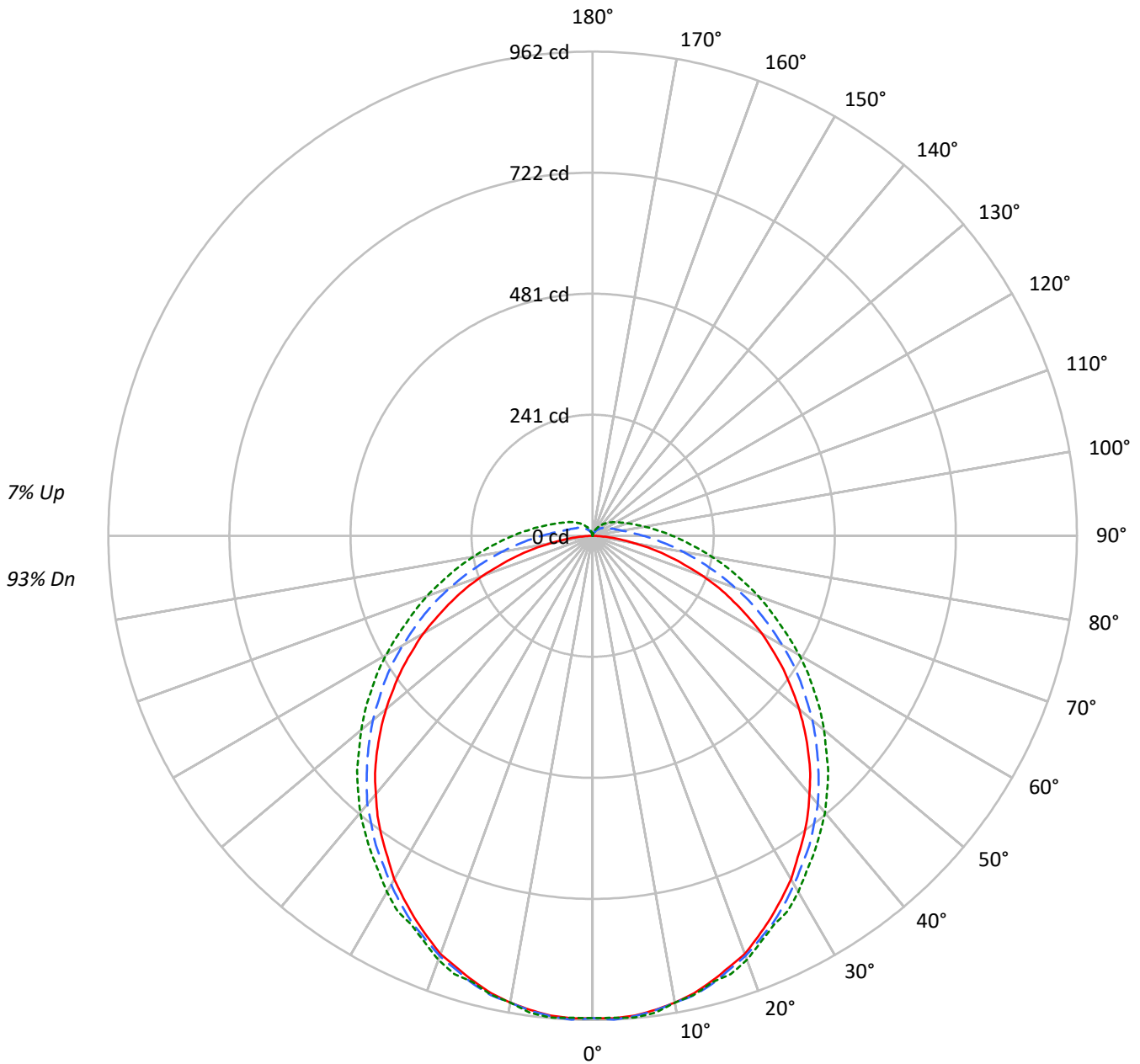
Lumens per Lamp: N/A
Luminaire Lumens: 3104.0 lumens
Efficiency: N/A
Efficacy: 124.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 1.71' x H: 0.12')
CIE Type: Direct

Input Watts (W): 25
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°	13113	13113	13113
5°	13064	12899	12906
10°	12927	12568	12511
15°	12733	12280	12162
20°	12555	11920	11923
25°	12245	11550	11477
30°	11968	11141	11218
35°	11630	10779	10841
40°	11303	10393	10523
45°	10949	9925	10158
50°	10518	9484	9744
55°	10033	9010	9331
60°	9480	8475	8930
65°	8694	7931	8467
70°	7782	7322	8159
75°	6498	6702	7833
80°	4718	6182	7637
85°	2509	5805	7689



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.9	2.9
10°-20°	259.4	8.4
20°-30°	390.3	12.6
30°-40°	468.7	15.1
40°-50°	488.1	15.7
50°-60°	448.5	14.4
60°-70°	360.2	11.6
70°-80°	245.6	7.9
80°-90°	139.6	4.5
90°-100°	78.2	2.5
100°-110°	49.5	1.6
110°-120°	33.8	1.1
120°-130°	23.2	0.7
130°-140°	14.8	0.5
140°-150°	8.2	0.3
150°-160°	3.7	0.1
160°-170°	1.2	0.0
170°-180°	0.2	0.0
0°-30°	740.7	23.9
0°-40°	1209.4	39.0
0°-60°	2146.0	69.1
0°-90°	2891.3	93.1
90°-120°	161.4	5.2
90°-150°	207.6	6.7
90°-180°	213.0	6.9
0°-180°	3104.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	958	958	958	958	958	
5°	957	958	958	960	961	91
15°	916	914	921	924	918	258
25°	838	838	848	857	853	386
35°	730	734	751	762	768	457
45°	606	612	633	652	662	467
55°	463	476	504	527	537	413
65°	309	332	368	395	408	306
75°	155	188	238	277	292	164
85°	29	74	136	180	195	35
90°	1	44	100	141	158	2
95°	0	28	76	114	128	0
105°	0	18	48	76	86	0
115°	0	14	36	55	62	0
125°	1	10	28	41	47	1
135°	1	8	21	30	34	1
145°	1	6	14	21	22	1
155°	1	4	8	12	14	1
165°	1	3	4	6	7	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°	958.3	958.3	958.3	958.3	958.3
2.5°	959.7	958.3	962.4	961.0	958.3
5°	956.9	958.3	958.3	959.7	961.0
7.5°	950.1	947.3	951.4	955.6	955.6
10°	941.8	939.1	941.8	944.6	941.8
12.5°	930.8	925.4	935.0	935.0	933.6
15°	915.7	914.4	921.2	924.0	918.5
17.5°	899.3	903.4	903.4	908.9	913.0
20°	884.2	881.4	888.3	892.4	896.5
22.5°	860.8	859.5	867.7	874.6	873.2
25°	837.5	837.5	848.5	856.7	852.6
27.5°	812.8	812.8	825.1	833.4	840.2
30°	788.1	790.8	800.4	811.4	816.9
32.5°	757.9	764.7	774.3	789.4	790.8
35°	730.4	734.5	751.0	762.0	767.5
37.5°	701.6	702.9	722.2	737.3	742.8
40°	670.0	672.7	696.1	709.8	718.0
42.5°	639.8	642.5	664.5	682.3	689.2
45°	605.5	612.3	632.9	652.1	661.8
47.5°	571.1	580.7	601.3	623.3	628.8
50°	535.4	545.1	569.8	587.6	600.0
52.5°	498.4	510.7	535.4	558.8	569.8
55°	462.7	476.4	503.9	527.2	536.8
57.5°	424.2	440.7	470.9	495.6	506.6
60°	388.5	402.3	435.2	461.3	473.7
62.5°	347.4	365.2	400.9	429.7	440.7
65°	308.9	332.2	367.9	395.4	407.8
67.5°	271.8	295.2	335.0	363.8	378.9
70°	232.0	258.1	300.7	333.6	350.1
72.5°	190.8	221.0	269.1	306.2	319.9
75°	155.1	188.1	237.5	277.3	292.4
77.5°	119.4	153.8	208.7	249.9	266.3
80°	83.7	122.2	182.6	225.2	240.3
82.5°	54.9	97.5	157.9	200.4	216.9
85°	28.8	74.1	135.9	179.9	195.0
87.5°	9.6	56.3	116.7	160.6	175.7
90°	1.4	43.9	100.2	141.4	157.9
92.5°	0.0	34.3	86.5	127.7	142.8
95°	0.0	27.5	75.5	114.0	127.7
97.5°	0.0	23.3	67.3	101.6	116.7
100°	0.0	20.6	59.0	92.0	104.3
102.5°	0.0	19.2	53.5	82.4	94.7
105°	0.0	17.8	48.1	75.5	86.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	13.7	38.4	59.0	67.3
115°	0.0	13.7	35.7	54.9	61.8
117.5°	0.0	12.4	34.3	50.8	57.7
120°	0.0	11.0	31.6	48.1	54.9
122.5°	0.0	11.0	28.8	45.3	50.8
125°	1.4	9.6	27.5	41.2	46.7
127.5°	1.4	9.6	26.1	38.4	43.9
130°	1.4	8.2	23.3	35.7	39.8
132.5°	1.4	8.2	22.0	33.0	37.1
135°	1.4	8.2	20.6	30.2	34.3
137.5°	1.4	6.9	17.8	27.5	31.6
140°	1.4	6.9	16.5	24.7	28.8
142.5°	1.4	6.9	15.1	22.0	26.1
145°	1.4	5.5	13.7	20.6	22.0
147.5°	1.4	5.5	12.4	17.8	20.6
150°	1.4	4.1	11.0	15.1	17.8
152.5°	1.4	4.1	9.6	13.7	15.1
155°	1.4	4.1	8.2	12.4	13.7
157.5°	1.4	4.1	6.9	11.0	11.0
160°	1.4	2.7	5.5	8.2	9.6
162.5°	1.4	2.7	5.5	6.9	8.2
165°	1.4	2.7	4.1	5.5	6.9
167.5°	1.4	1.4	2.7	4.1	5.5
170°	1.4	1.4	2.7	2.7	4.1
172.5°	1.4	1.4	1.4	1.4	2.7
175°	1.4	1.4	1.4	1.4	1.4
177.5°	1.4	1.4	1.4	0.0	0.0
180°	1.4	1.4	1.4	1.4	1.4



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	16.5	45.3	68.6	79.6
110°	0.0	15.1	41.2	63.2	72.8



(END OF REPORT)