

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: P709709

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

Issue Date: 9/26/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P709709  
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-LOW  
Description: 2foot, Adapt Surface Wrap with, RD lens and LOW lumen setting,  
4000K, 90CRI  
  
Light Source: -  
Ballast/Driver: -

**Summary**

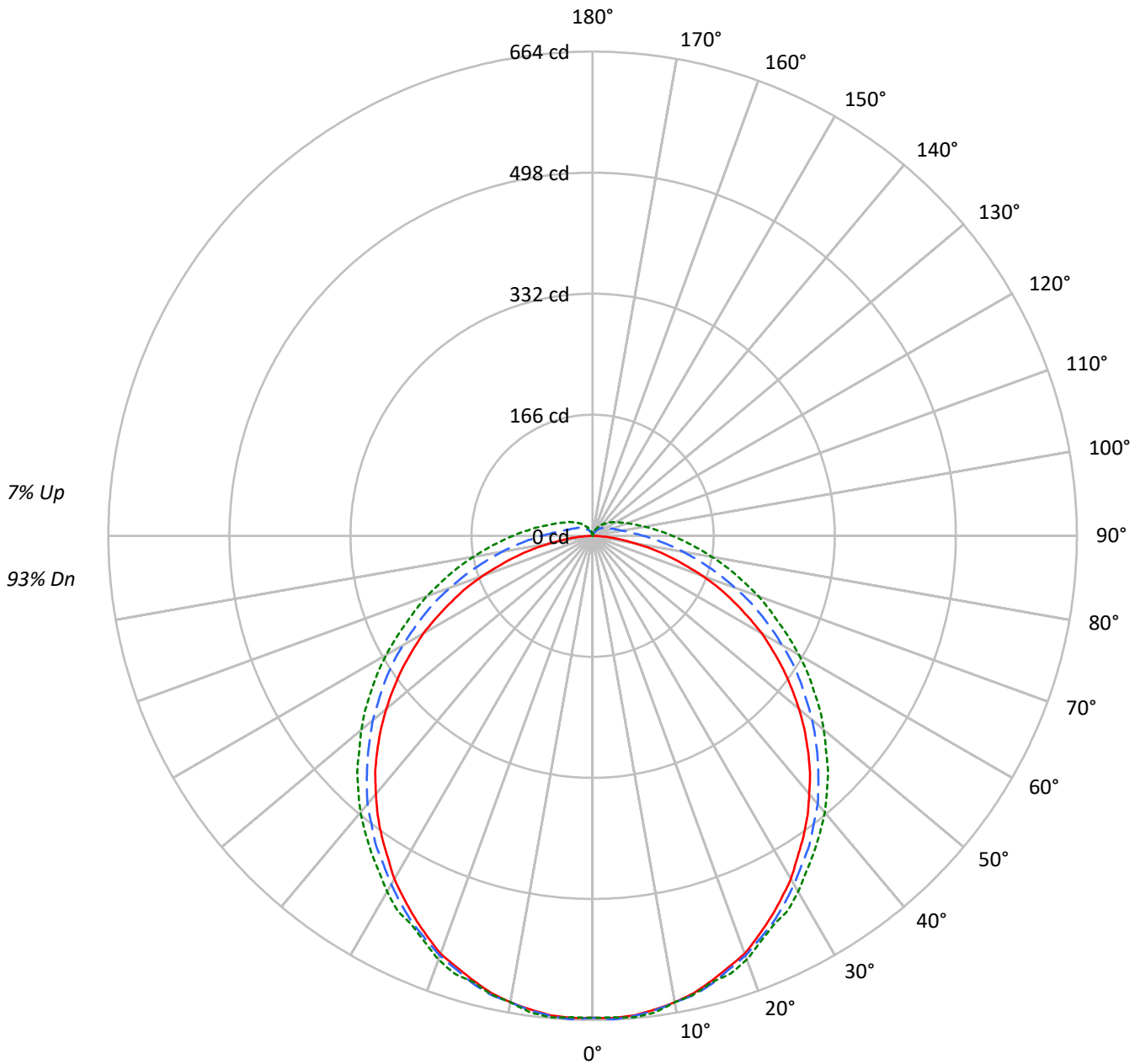
Lumens per Lamp: N/A  
Luminaire Lumens: 2141.0 lumens  
Efficiency: N/A  
Efficacy: 125.9 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 1.71' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 17  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	9045	9045	9045
5°	9011	8898	8903
10°	8916	8669	8629
15°	8783	8470	8388
20°	8660	8222	8224
25°	8446	7966	7917
30°	8255	7685	7738
35°	8022	7435	7478
40°	7796	7168	7259
45°	7552	6847	7005
50°	7255	6542	6720
55°	6919	6213	6436
60°	6540	5846	6159
65°	5997	5471	5841
70°	5367	5050	5628
75°	4483	4622	5403
80°	3258	4263	5266
85°	1734	4007	5304



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	62.7	2.9
10°-20°	178.9	8.4
20°-30°	269.2	12.6
30°-40°	323.3	15.1
40°-50°	336.7	15.7
50°-60°	309.3	14.4
60°-70°	248.5	11.6
70°-80°	169.4	7.9
80°-90°	96.3	4.5
90°-100°	53.9	2.5
100°-110°	34.1	1.6
110°-120°	23.3	1.1
120°-130°	16.0	0.7
130°-140°	10.2	0.5
140°-150°	5.7	0.3
150°-160°	2.6	0.1
160°-170°	0.8	0.0
170°-180°	0.1	0.0
0°-30°	510.9	23.9
0°-40°	834.2	39.0
0°-60°	1480.2	69.1
0°-90°	1994.3	93.2
90°-120°	111.3	5.2
90°-150°	143.2	6.7
90°-180°	147.0	6.9
0°-180°	2141.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	661	661	661	661	661	
5°	660	661	661	662	663	63
15°	632	631	635	637	634	178
25°	578	578	585	591	588	266
35°	504	507	518	526	529	315
45°	418	422	437	450	456	322
55°	319	329	348	364	370	285
65°	213	229	254	273	281	211
75°	107	130	164	191	202	113
85°	20	51	94	124	134	24
90°	1	30	69	98	109	1
95°	0	19	52	79	88	0
105°	0	12	33	52	60	0
115°	0	10	25	38	43	0
125°	1	7	19	28	32	0
135°	1	6	14	21	24	1
145°	1	4	10	14	15	1
155°	1	3	6	8	10	0
165°	1	2	3	4	5	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°	661.0	661.0	661.0	661.0	661.0
2.5°	661.9	661.0	663.8	662.9	661.0
5°	660.0	661.0	661.0	661.9	662.9
7.5°	655.3	653.4	656.3	659.1	659.1
10°	649.6	647.7	649.6	651.5	649.6
12.5°	642.1	638.3	644.9	644.9	643.9
15°	631.6	630.7	635.4	637.3	633.5
17.5°	620.3	623.1	623.1	626.9	629.7
20°	609.9	608.0	612.7	615.5	618.4
22.5°	593.8	592.8	598.5	603.2	602.3
25°	577.7	577.7	585.2	590.9	588.1
27.5°	560.6	560.6	569.1	574.8	579.6
30°	543.6	545.5	552.1	559.7	563.5
32.5°	522.7	527.5	534.1	544.5	545.5
35°	503.8	506.6	518.0	525.6	529.4
37.5°	483.9	484.9	498.1	508.5	512.3
40°	462.1	464.0	480.1	489.6	495.3
42.5°	441.3	443.2	458.3	470.7	475.4
45°	417.6	422.4	436.6	449.8	456.4
47.5°	393.9	400.6	414.8	429.9	433.7
50°	369.3	376.0	393.0	405.3	413.8
52.5°	343.8	352.3	369.3	385.4	393.0
55°	319.1	328.6	347.5	363.6	370.3
57.5°	292.6	304.0	324.8	341.9	349.4
60°	268.0	277.5	300.2	318.2	326.7
62.5°	239.6	251.9	276.5	296.4	304.0
65°	213.1	229.2	253.8	272.7	281.3
67.5°	187.5	203.6	231.1	251.0	261.4
70°	160.0	178.0	207.4	230.1	241.5
72.5°	131.6	152.5	185.6	211.2	220.6
75°	107.0	129.7	163.8	191.3	201.7
77.5°	82.4	106.1	143.9	172.4	183.7
80°	57.8	84.3	125.9	155.3	165.7
82.5°	37.9	67.2	108.9	138.3	149.6
85°	19.9	51.1	93.8	124.1	134.5
87.5°	6.6	38.8	80.5	110.8	121.2
90°	0.9	30.3	69.1	97.5	108.9
92.5°	0.0	23.7	59.7	88.1	98.5
95°	0.0	18.9	52.1	78.6	88.1
97.5°	0.0	16.1	46.4	70.1	80.5
100°	0.0	14.2	40.7	63.4	72.0
102.5°	0.0	13.3	36.9	56.8	65.3
105°	0.0	12.3	33.1	52.1	59.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	9.5	26.5	40.7	46.4
115°	0.0	9.5	24.6	37.9	42.6
117.5°	0.0	8.5	23.7	35.0	39.8
120°	0.0	7.6	21.8	33.1	37.9
122.5°	0.0	7.6	19.9	31.3	35.0
125°	0.9	6.6	18.9	28.4	32.2
127.5°	0.9	6.6	18.0	26.5	30.3
130°	0.9	5.7	16.1	24.6	27.5
132.5°	0.9	5.7	15.2	22.7	25.6
135°	0.9	5.7	14.2	20.8	23.7
137.5°	0.9	4.7	12.3	18.9	21.8
140°	0.9	4.7	11.4	17.0	19.9
142.5°	0.9	4.7	10.4	15.2	18.0
145°	0.9	3.8	9.5	14.2	15.2
147.5°	0.9	3.8	8.5	12.3	14.2
150°	0.9	2.8	7.6	10.4	12.3
152.5°	0.9	2.8	6.6	9.5	10.4
155°	0.9	2.8	5.7	8.5	9.5
157.5°	0.9	2.8	4.7	7.6	7.6
160°	0.9	1.9	3.8	5.7	6.6
162.5°	0.9	1.9	3.8	4.7	5.7
165°	0.9	1.9	2.8	3.8	4.7
167.5°	0.9	0.9	1.9	2.8	3.8
170°	0.9	0.9	1.9	1.9	2.8
172.5°	0.9	0.9	0.9	0.9	1.9
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	11.4	31.3	47.3	54.9
110°	0.0	10.4	28.4	43.6	50.2



(END OF REPORT)