

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: P709795

Luminaire Tested: **8AWS-L3C39-CA-UNV-3000K-HI**

Issue Date: 9/26/2023



Test Information

Test Method: LM-79-08
Report Number: P709795
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: 8AWS-L3C39-CA-UNV-3000K-HI
Description: 8foot, Adapt Surface Wrap with, RD lens and HI lumen setting,
3000K, 90CRI

Light Source: -
Ballast/Driver: -

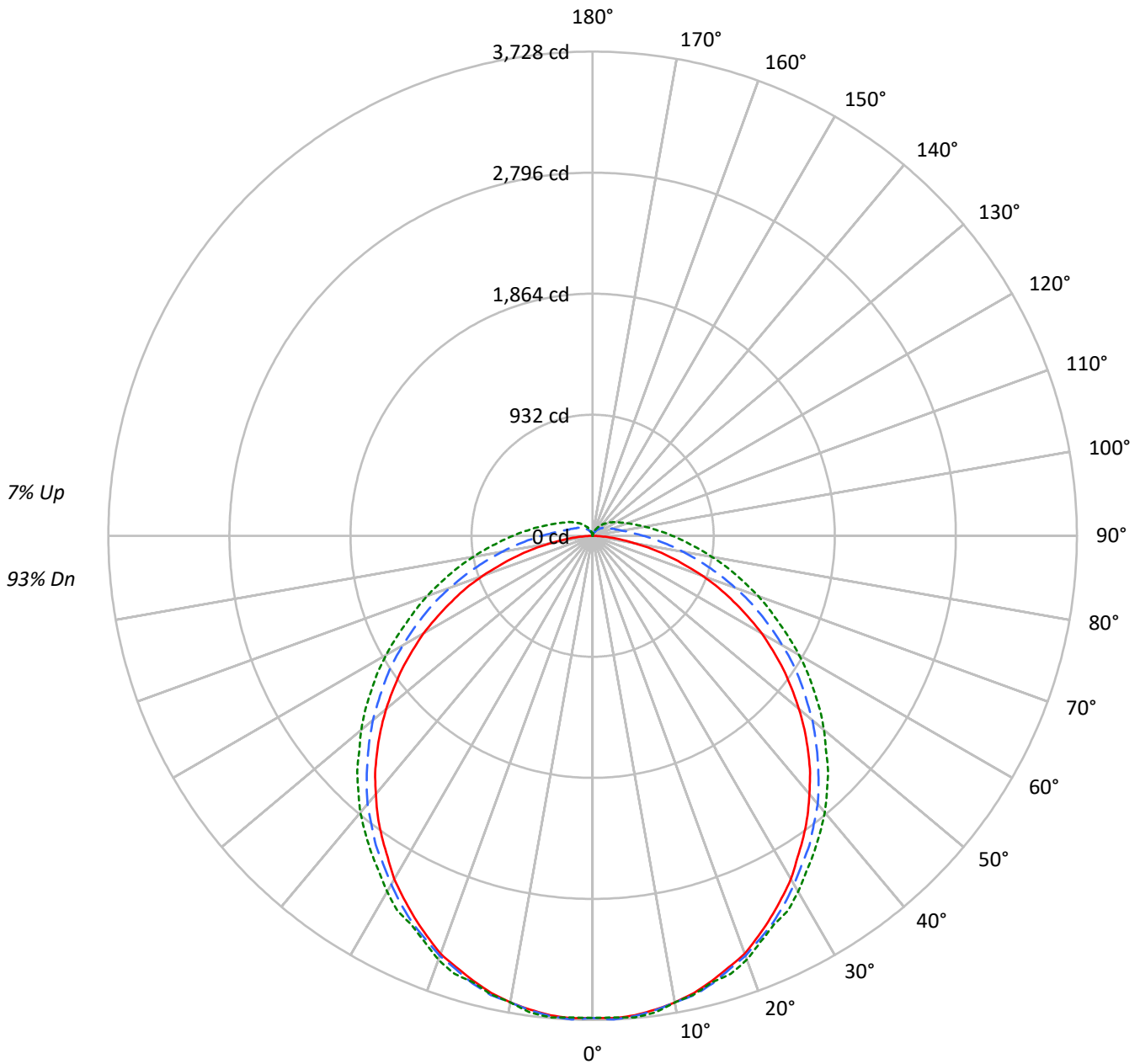
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12024.0 lumens
Efficiency: N/A
Efficacy: 143.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 7.42' x H: 0.12')
CIE Type: Direct

Input Watts (W): 84
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°	11707	11707	11707
5°	11718	11554	11522
10°	11650	11293	11169
15°	11531	11070	10857
20°	11427	10779	10644
25°	11204	10479	10246
30°	11014	10144	10015
35°	10770	9849	9678
40°	10541	9533	9394
45°	10294	9143	9067
50°	9983	8779	8698
55°	9632	8385	8330
60°	9234	7939	7971
65°	8630	7489	7558
70°	7935	6982	7284
75°	6906	6476	6994
80°	5396	6085	6817
85°	3411	5881	6863



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	352.3	2.9
10°-20°	1004.9	8.4
20°-30°	1512.0	12.6
30°-40°	1815.8	15.1
40°-50°	1890.8	15.7
50°-60°	1737.3	14.4
60°-70°	1395.3	11.6
70°-80°	951.3	7.9
80°-90°	540.7	4.5
90°-100°	302.8	2.5
100°-110°	191.6	1.6
110°-120°	130.8	1.1
120°-130°	89.8	0.7
130°-140°	57.2	0.5
140°-150°	31.8	0.3
150°-160°	14.5	0.1
160°-170°	4.6	0.0
170°-180°	0.6	0.0
0°-30°	2869.2	23.9
0°-40°	4684.9	39.0
0°-60°	8313.1	69.1
0°-90°	11200.3	93.1
90°-120°	625.3	5.2
90°-150°	804.0	6.7
90°-180°	824.0	6.9
0°-180°	12024.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3712	3712	3712	3712	3712	
5°	3707	3712	3712	3718	3723	352
15°	3547	3542	3569	3579	3558	1001
25°	3244	3244	3287	3319	3303	1495
35°	2829	2845	2909	2952	2973	1770
45°	2345	2372	2452	2526	2563	1809
55°	1792	1846	1952	2042	2080	1600
65°	1197	1287	1425	1532	1580	1187
75°	601	729	920	1074	1133	636
85°	112	287	526	697	755	137
90°	5	170	388	548	612	7
95°	0	106	292	441	495	0
105°	0	69	186	292	335	0
115°	0	53	138	213	239	0
125°	5	37	106	160	181	3
135°	5	32	80	117	133	4
145°	5	21	53	80	85	3
155°	5	16	32	48	53	2
165°	5	11	16	21	27	2
175°	5	5	5	5	5	1
180°	5	5	5	5	5	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3712.2	3712.2	3712.2	3712.2	3712.2
2.5°	3717.5	3712.2	3728.1	3722.8	3712.2
5°	3706.9	3712.2	3712.2	3717.5	3722.8
7.5°	3680.3	3669.6	3685.6	3701.6	3701.6
10°	3648.4	3637.7	3648.4	3659.0	3648.4
12.5°	3605.8	3584.6	3621.8	3621.8	3616.5
15°	3547.3	3542.0	3568.6	3579.2	3558.0
17.5°	3483.5	3499.5	3499.5	3520.7	3536.7
20°	3425.0	3414.4	3441.0	3456.9	3472.9
22.5°	3334.6	3329.3	3361.2	3387.8	3382.5
25°	3244.2	3244.2	3286.7	3318.6	3302.7
27.5°	3148.4	3148.4	3196.3	3228.2	3254.8
30°	3052.7	3063.4	3100.6	3143.1	3164.4
32.5°	2935.7	2962.3	2999.5	3058.0	3063.4
35°	2829.3	2845.3	2909.1	2951.7	2972.9
37.5°	2717.7	2723.0	2797.4	2855.9	2877.2
40°	2595.3	2606.0	2696.4	2749.6	2781.5
42.5°	2478.3	2489.0	2574.1	2643.2	2669.8
45°	2345.4	2372.0	2451.7	2526.2	2563.4
47.5°	2212.4	2249.7	2329.4	2414.5	2435.8
50°	2074.1	2111.4	2207.1	2276.2	2324.1
52.5°	1930.6	1978.4	2074.1	2164.6	2207.1
55°	1792.3	1845.5	1951.8	2042.2	2079.5
57.5°	1643.4	1707.2	1824.2	1919.9	1962.5
60°	1505.1	1558.3	1685.9	1787.0	1834.8
62.5°	1345.5	1414.7	1553.0	1664.6	1707.2
65°	1196.6	1287.0	1425.3	1531.7	1579.5
67.5°	1053.0	1143.4	1297.7	1409.4	1467.9
70°	898.8	999.8	1164.7	1292.4	1356.2
72.5°	739.2	856.3	1042.4	1186.0	1239.2
75°	601.0	728.6	920.1	1074.3	1132.8
77.5°	462.7	595.7	808.4	967.9	1031.8
80°	324.4	473.3	707.3	872.2	930.7
82.5°	212.7	377.6	611.6	776.5	840.3
85°	111.7	287.2	526.5	696.7	755.2
87.5°	37.2	218.1	452.1	622.2	680.7
90°	5.3	170.2	388.2	547.8	611.6
92.5°	0.0	133.0	335.1	494.6	553.1
95°	0.0	106.4	292.5	441.4	494.6
97.5°	0.0	90.4	260.6	393.6	452.1
100°	0.0	79.8	228.7	356.3	404.2
102.5°	0.0	74.5	207.4	319.1	367.0
105°	0.0	69.1	186.1	292.5	335.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	53.2	148.9	228.7	260.6
115°	0.0	53.2	138.3	212.7	239.3
117.5°	0.0	47.9	133.0	196.8	223.4
120°	0.0	42.5	122.3	186.1	212.7
122.5°	0.0	42.5	111.7	175.5	196.8
125°	5.3	37.2	106.4	159.5	180.8
127.5°	5.3	37.2	101.0	148.9	170.2
130°	5.3	31.9	90.4	138.3	154.2
132.5°	5.3	31.9	85.1	127.6	143.6
135°	5.3	31.9	79.8	117.0	133.0
137.5°	5.3	26.6	69.1	106.4	122.3
140°	5.3	26.6	63.8	95.7	111.7
142.5°	5.3	26.6	58.5	85.1	101.0
145°	5.3	21.3	53.2	79.8	85.1
147.5°	5.3	21.3	47.9	69.1	79.8
150°	5.3	16.0	42.5	58.5	69.1
152.5°	5.3	16.0	37.2	53.2	58.5
155°	5.3	16.0	31.9	47.9	53.2
157.5°	5.3	16.0	26.6	42.5	42.5
160°	5.3	10.6	21.3	31.9	37.2
162.5°	5.3	10.6	21.3	26.6	31.9
165°	5.3	10.6	16.0	21.3	26.6
167.5°	5.3	5.3	10.6	16.0	21.3
170°	5.3	5.3	10.6	10.6	16.0
172.5°	5.3	5.3	5.3	5.3	10.6
175°	5.3	5.3	5.3	5.3	5.3
177.5°	5.3	5.3	5.3	0.0	0.0
180°	5.3	5.3	5.3	5.3	5.3



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	63.8	175.5	265.9	308.5
110°	0.0	58.5	159.5	244.6	281.9



(END OF REPORT)