

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: P709792

Luminaire Tested: **8AWS-L3C3-UNV-5000K-HI**

Issue Date: 9/26/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P709792  
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-L3C3-UNV-5000K-HI  
Description: 8foot, Adapt Surface Wrap with, RD lens and HI lumen setting,  
5000K, 80CRI  
  
Light Source: -  
Ballast/Driver: -

**Summary**

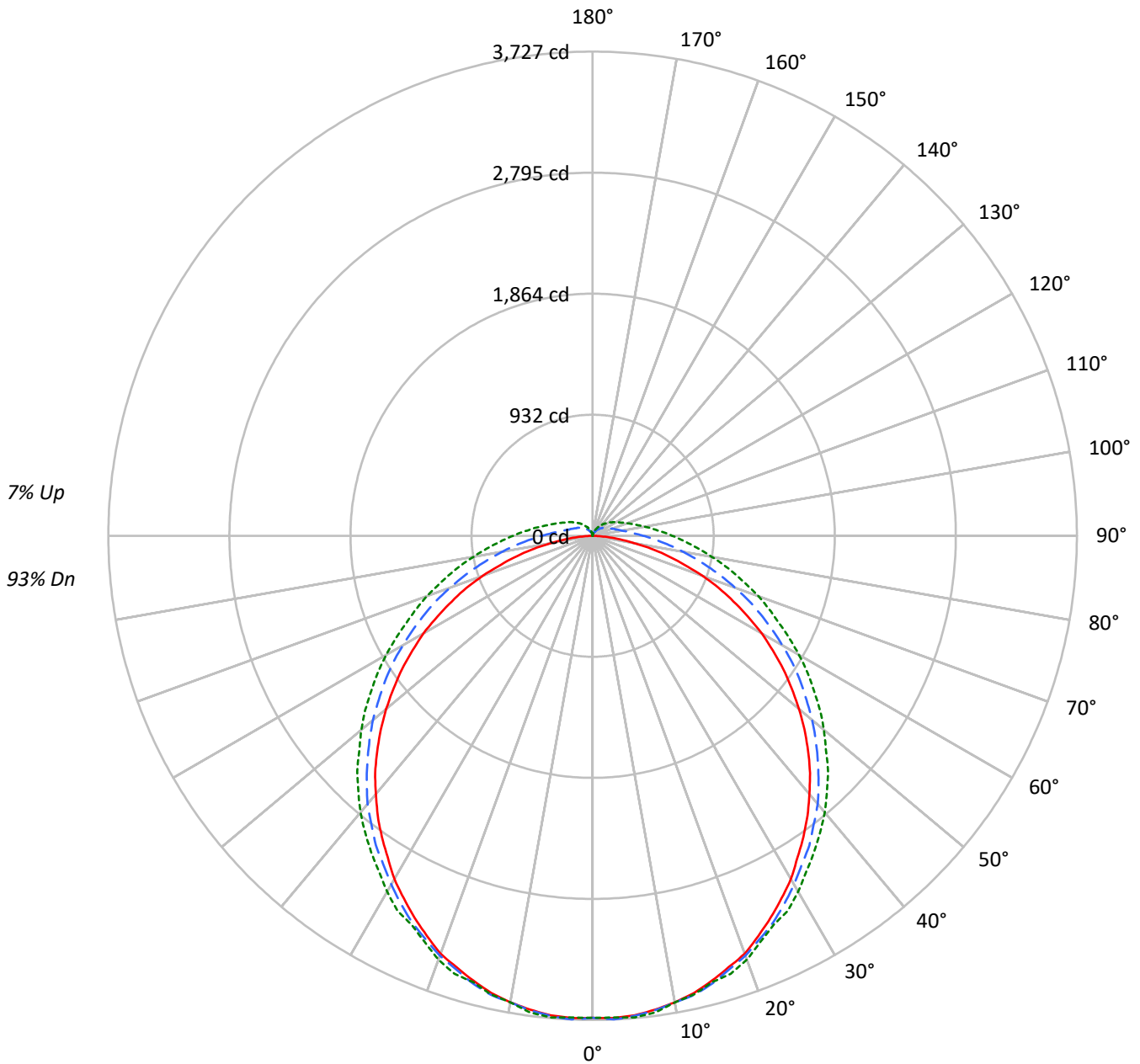
Lumens per Lamp: N/A  
Luminaire Lumens: 12019.0 lumens  
Efficiency: N/A  
Efficacy: 139.8 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 7.42' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 86  
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									
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°	11702	11702	11702
5°	11713	11549	11518
10°	11645	11288	11165
15°	11527	11065	10853
20°	11422	10775	10640
25°	11199	10475	10241
30°	11009	10139	10011
35°	10766	9845	9674
40°	10537	9529	9390
45°	10289	9139	9064
50°	9980	8775	8694
55°	9628	8382	8326
60°	9231	7936	7968
65°	8626	7486	7555
70°	7931	6979	7281
75°	6903	6473	6991
80°	5395	6082	6814
85°	3408	5879	6860



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	352.1	2.9
10°-20°	1004.5	8.4
20°-30°	1511.4	12.6
30°-40°	1815.0	15.1
40°-50°	1890.0	15.7
50°-60°	1736.6	14.4
60°-70°	1394.7	11.6
70°-80°	950.9	7.9
80°-90°	540.5	4.5
90°-100°	302.7	2.5
100°-110°	191.5	1.6
110°-120°	130.8	1.1
120°-130°	89.8	0.7
130°-140°	57.1	0.5
140°-150°	31.8	0.3
150°-160°	14.4	0.1
160°-170°	4.6	0.0
170°-180°	0.6	0.0
0°-30°	2868.0	23.9
0°-40°	4683.0	39.0
0°-60°	8309.6	69.1
0°-90°	11195.7	93.1
90°-120°	625.0	5.2
90°-150°	803.7	6.7
90°-180°	823.0	6.8
0°-180°	12019.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3711	3711	3711	3711	3711	
5°	3705	3711	3711	3716	3721	352
15°	3546	3540	3567	3578	3556	1001
25°	3243	3243	3285	3317	3301	1495
35°	2828	2844	2908	2950	2972	1769
45°	2344	2371	2451	2525	2562	1808
55°	1792	1845	1951	2041	2079	1599
65°	1196	1286	1425	1531	1579	1186
75°	601	728	920	1074	1132	636
85°	112	287	526	696	755	137
90°	5	170	388	548	611	7
95°	0	106	292	441	494	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°	3710.6	3710.6	3710.6	3710.6	3710.6
2.5°	3716.0	3710.6	3726.6	3721.3	3710.6
5°	3705.3	3710.6	3710.6	3716.0	3721.3
7.5°	3678.7	3668.1	3684.1	3700.0	3700.0
10°	3646.9	3636.2	3646.9	3657.5	3646.9
12.5°	3604.3	3583.1	3620.3	3620.3	3615.0
15°	3545.8	3540.5	3567.1	3577.7	3556.5
17.5°	3482.1	3498.0	3498.0	3519.3	3535.2
20°	3423.6	3412.9	3439.5	3455.5	3471.4
22.5°	3333.2	3327.9	3359.8	3386.4	3381.0
25°	3242.8	3242.8	3285.4	3317.3	3301.3
27.5°	3147.1	3147.1	3195.0	3226.9	3253.5
30°	3051.4	3062.1	3099.3	3141.8	3163.1
32.5°	2934.5	2961.1	2998.3	3056.8	3062.1
35°	2828.2	2844.1	2907.9	2950.4	2971.7
37.5°	2716.5	2721.8	2796.3	2854.8	2876.0
40°	2594.3	2604.9	2695.3	2748.4	2780.3
42.5°	2477.3	2487.9	2573.0	2642.1	2668.7
45°	2344.4	2371.0	2450.7	2525.2	2562.4
47.5°	2211.5	2248.7	2328.5	2413.5	2434.8
50°	2073.3	2110.5	2206.2	2275.3	2323.1
52.5°	1929.7	1977.6	2073.3	2163.7	2206.2
55°	1791.5	1844.7	1951.0	2041.4	2078.6
57.5°	1642.7	1706.5	1823.4	1919.1	1961.6
60°	1504.5	1557.6	1685.2	1786.2	1834.1
62.5°	1345.0	1414.1	1552.3	1663.9	1706.5
65°	1196.1	1286.5	1424.7	1531.0	1578.9
67.5°	1052.6	1143.0	1297.1	1408.8	1467.2
70°	898.4	999.4	1164.2	1291.8	1355.6
72.5°	738.9	855.9	1042.0	1185.5	1238.7
75°	600.7	728.3	919.7	1073.9	1132.3
77.5°	462.5	595.4	808.0	967.5	1031.3
80°	324.3	473.1	707.0	871.8	930.3
82.5°	212.6	377.4	611.4	776.2	839.9
85°	111.6	287.1	526.3	696.4	754.9
87.5°	37.2	218.0	451.9	622.0	680.5
90°	5.3	170.1	388.1	547.6	611.4
92.5°	0.0	132.9	334.9	494.4	552.9
95°	0.0	106.3	292.4	441.2	494.4
97.5°	0.0	90.4	260.5	393.4	451.9
100°	0.0	79.7	228.6	356.2	404.0
102.5°	0.0	74.4	207.3	319.0	366.8
105°	0.0	69.1	186.1	292.4	334.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	53.2	148.9	228.6	260.5
115°	0.0	53.2	138.2	212.6	239.2
117.5°	0.0	47.8	132.9	196.7	223.3
120°	0.0	42.5	122.3	186.1	212.6
122.5°	0.0	42.5	111.6	175.4	196.7
125°	5.3	37.2	106.3	159.5	180.7
127.5°	5.3	37.2	101.0	148.9	170.1
130°	5.3	31.9	90.4	138.2	154.2
132.5°	5.3	31.9	85.1	127.6	143.5
135°	5.3	31.9	79.7	117.0	132.9
137.5°	5.3	26.6	69.1	106.3	122.3
140°	5.3	26.6	63.8	95.7	111.6
142.5°	5.3	26.6	58.5	85.1	101.0
145°	5.3	21.3	53.2	79.7	85.1
147.5°	5.3	21.3	47.8	69.1	79.7
150°	5.3	15.9	42.5	58.5	69.1
152.5°	5.3	15.9	37.2	53.2	58.5
155°	5.3	15.9	31.9	47.8	53.2
157.5°	5.3	15.9	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	15.9	21.3	26.6
167.5°	5.3	5.3	10.6	15.9	21.3
170°	5.3	5.3	10.6	10.6	15.9
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	175.4	265.8	308.3
110°	0.0	58.5	159.5	244.5	281.8



(END OF REPORT)