

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: P709819

Luminaire Tested: **8AWS-L3C39-UNV-5000K-HI**

Issue Date: 9/26/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P709819  
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-UNV-5000K-HI  
Description: 8foot, Adapt Surface Wrap with, RD lens and HI lumen setting,  
5000K, 90CRI  
  
Light Source: -  
Ballast/Driver: -

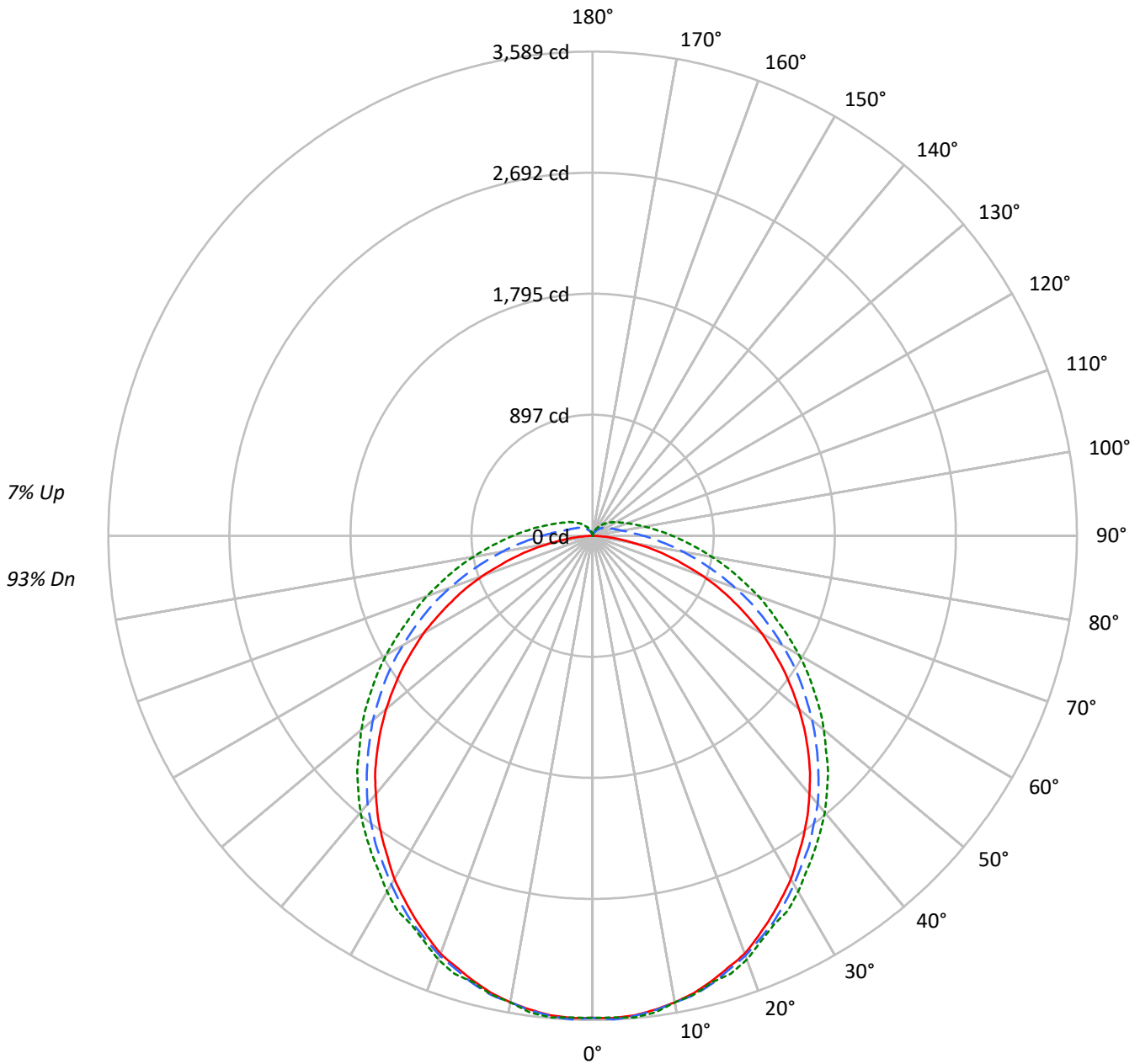
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11574.0 lumens  
Efficiency: N/A  
Efficacy: 137.8 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): 84  
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°	11269	11269	11269
5°	11279	11121	11091
10°	11214	10870	10751
15°	11100	10655	10451
20°	10999	10376	10246
25°	10785	10087	9862
30°	10601	9764	9640
35°	10368	9480	9316
40°	10147	9177	9043
45°	9908	8801	8728
50°	9610	8450	8373
55°	9271	8072	8018
60°	8889	7642	7673
65°	8307	7209	7275
70°	7638	6720	7011
75°	6648	6233	6732
80°	5195	5858	6562
85°	3283	5661	6606



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	339.1	2.9
10°-20°	967.3	8.4
20°-30°	1455.4	12.6
30°-40°	1747.8	15.1
40°-50°	1820.0	15.7
50°-60°	1672.3	14.4
60°-70°	1343.1	11.6
70°-80°	915.7	7.9
80°-90°	520.4	4.5
90°-100°	291.5	2.5
100°-110°	184.5	1.6
110°-120°	125.9	1.1
120°-130°	86.5	0.7
130°-140°	55.0	0.5
140°-150°	30.6	0.3
150°-160°	13.9	0.1
160°-170°	4.4	0.0
170°-180°	0.6	0.0
0°-30°	2761.8	23.9
0°-40°	4509.6	39.0
0°-60°	8002.0	69.1
0°-90°	10781.1	93.1
90°-120°	601.9	5.2
90°-150°	774.0	6.7
90°-180°	793.0	6.9
0°-180°	11574.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3573	3573	3573	3573	3573	
5°	3568	3573	3573	3578	3584	339
15°	3415	3409	3435	3445	3425	964
25°	3123	3123	3164	3194	3179	1439
35°	2724	2739	2800	2841	2862	1704
45°	2258	2283	2360	2432	2468	1741
55°	1725	1776	1879	1966	2002	1540
65°	1152	1239	1372	1474	1520	1142
75°	578	701	886	1034	1090	613
85°	108	276	507	671	727	132
90°	5	164	374	527	589	6
95°	0	102	282	425	476	0
105°	0	67	179	282	322	0
115°	0	51	133	205	230	0
125°	5	36	102	154	174	3
135°	5	31	77	113	128	4
145°	5	20	51	77	82	3
155°	5	15	31	46	51	2
165°	5	10	15	20	26	1
175°	5	5	5	5	5	0
180°	5	5	5	5	5	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3573.3	3573.3	3573.3	3573.3	3573.3
2.5°	3578.4	3573.3	3588.6	3583.5	3573.3
5°	3568.1	3573.3	3573.3	3578.4	3583.5
7.5°	3542.5	3532.3	3547.7	3563.0	3563.0
10°	3511.8	3501.6	3511.8	3522.1	3511.8
12.5°	3470.9	3450.4	3486.2	3486.2	3481.1
15°	3414.6	3409.4	3435.0	3445.3	3424.8
17.5°	3353.1	3368.5	3368.5	3389.0	3404.3
20°	3296.8	3286.6	3312.2	3327.5	3342.9
22.5°	3209.8	3204.7	3235.4	3261.0	3255.9
25°	3122.8	3122.8	3163.7	3194.4	3179.1
27.5°	3030.6	3030.6	3076.7	3107.4	3133.0
30°	2938.5	2948.7	2984.5	3025.5	3046.0
32.5°	2825.8	2851.4	2887.3	2943.6	2948.7
35°	2723.5	2738.8	2800.2	2841.2	2861.7
37.5°	2616.0	2621.1	2692.7	2749.1	2769.5
40°	2498.2	2508.4	2595.5	2646.7	2677.4
42.5°	2385.6	2395.8	2477.7	2544.3	2569.9
45°	2257.6	2283.2	2360.0	2431.7	2467.5
47.5°	2129.6	2165.5	2242.2	2324.2	2344.6
50°	1996.5	2032.4	2124.5	2191.1	2237.1
52.5°	1858.3	1904.4	1996.5	2083.5	2124.5
55°	1725.2	1776.4	1878.8	1965.8	2001.6
57.5°	1581.9	1643.3	1755.9	1848.1	1889.0
60°	1448.8	1500.0	1622.8	1720.1	1766.2
62.5°	1295.2	1361.7	1494.8	1602.3	1643.3
65°	1151.8	1238.9	1372.0	1474.4	1520.4
67.5°	1013.6	1100.6	1249.1	1356.6	1412.9
70°	865.2	962.4	1121.1	1244.0	1305.4
72.5°	711.6	824.2	1003.4	1141.6	1192.8
75°	578.5	701.3	885.6	1034.1	1090.4
77.5°	445.4	573.4	778.1	931.7	993.1
80°	312.3	455.6	680.9	839.6	895.9
82.5°	204.8	363.5	588.7	747.4	808.8
85°	107.5	276.4	506.8	670.6	726.9
87.5°	35.8	209.9	435.1	599.0	655.3
90°	5.1	163.8	373.7	527.3	588.7
92.5°	0.0	128.0	322.5	476.1	532.4
95°	0.0	102.4	281.6	424.9	476.1
97.5°	0.0	87.0	250.8	378.8	435.1
100°	0.0	76.8	220.1	343.0	389.1
102.5°	0.0	71.7	199.7	307.2	353.2
105°	0.0	66.6	179.2	281.6	322.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	51.2	143.3	220.1	250.8
115°	0.0	51.2	133.1	204.8	230.4
117.5°	0.0	46.1	128.0	189.4	215.0
120°	0.0	41.0	117.7	179.2	204.8
122.5°	0.0	41.0	107.5	168.9	189.4
125°	5.1	35.8	102.4	153.6	174.1
127.5°	5.1	35.8	97.3	143.3	163.8
130°	5.1	30.7	87.0	133.1	148.5
132.5°	5.1	30.7	81.9	122.9	138.2
135°	5.1	30.7	76.8	112.6	128.0
137.5°	5.1	25.6	66.6	102.4	117.7
140°	5.1	25.6	61.4	92.1	107.5
142.5°	5.1	25.6	56.3	81.9	97.3
145°	5.1	20.5	51.2	76.8	81.9
147.5°	5.1	20.5	46.1	66.6	76.8
150°	5.1	15.4	41.0	56.3	66.6
152.5°	5.1	15.4	35.8	51.2	56.3
155°	5.1	15.4	30.7	46.1	51.2
157.5°	5.1	15.4	25.6	41.0	41.0
160°	5.1	10.2	20.5	30.7	35.8
162.5°	5.1	10.2	20.5	25.6	30.7
165°	5.1	10.2	15.4	20.5	25.6
167.5°	5.1	5.1	10.2	15.4	20.5
170°	5.1	5.1	10.2	10.2	15.4
172.5°	5.1	5.1	5.1	5.1	10.2
175°	5.1	5.1	5.1	5.1	5.1
177.5°	5.1	5.1	5.1	0.0	0.0
180°	5.1	5.1	5.1	5.1	5.1



Report Generated By 670246072 / DESKTOP-MV3F9LC







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







107.5°	0.0	61.4	168.9	256.0	296.9
110°	0.0	56.3	153.6	235.5	271.3



(END OF REPORT)