

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: P709797

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

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709797
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-MID
Description: 8foot, Adapt Surface Wrap with, RD lens and MID lumen setting,
3000K, 90CRI

Light Source: -
Ballast/Driver: -

Summary

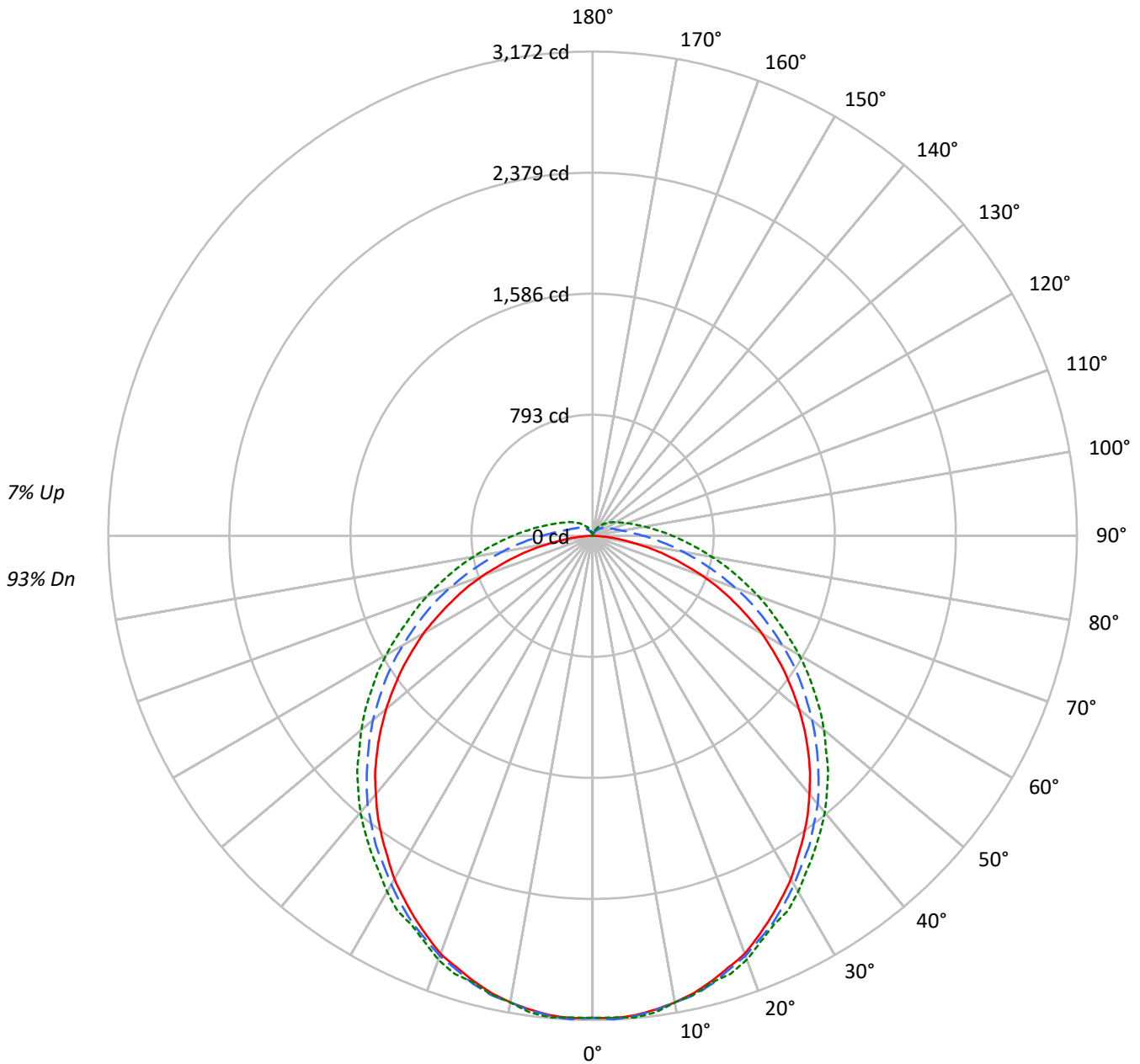
Lumens per Lamp: N/A
Luminaire Lumens: 10230.0 lumens
Efficiency: N/A
Efficacy: 140.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 7.42' x H: 0.12')
CIE Type: Direct

Input Watts (W): 73
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°	9960	9960	9960
5°	9970	9830	9803
10°	9912	9608	9503
15°	9811	9418	9237
20°	9722	9171	9056
25°	9532	8916	8717
30°	9370	8630	8521
35°	9164	8379	8234
40°	8968	8111	7993
45°	8758	7779	7715
50°	8494	7469	7400
55°	8195	7134	7087
60°	7856	6755	6782
65°	7342	6372	6431
70°	6751	5940	6197
75°	5875	5510	5950
80°	4591	5177	5800
85°	2901	5005	5839



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	299.7	2.9
10°-20°	855.0	8.4
20°-30°	1286.4	12.6
30°-40°	1544.9	15.1
40°-50°	1608.7	15.7
50°-60°	1478.1	14.4
60°-70°	1187.1	11.6
70°-80°	809.4	7.9
80°-90°	460.0	4.5
90°-100°	257.6	2.5
100°-110°	163.0	1.6
110°-120°	111.3	1.1
120°-130°	76.4	0.7
130°-140°	48.6	0.5
140°-150°	27.1	0.3
150°-160°	12.3	0.1
160°-170°	3.9	0.0
170°-180°	0.5	0.0
0°-30°	2441.1	23.9
0°-40°	3985.9	39.0
0°-60°	7072.8	69.1
0°-90°	9529.2	93.2
90°-120°	532.0	5.2
90°-150°	684.1	6.7
90°-180°	701.0	6.9
0°-180°	10230.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3158	3158	3158	3158	3158	
5°	3154	3158	3158	3163	3167	299
15°	3018	3014	3036	3045	3027	852
25°	2760	2760	2796	2824	2810	1272
35°	2407	2421	2475	2511	2529	1506
45°	1995	2018	2086	2149	2181	1539
55°	1525	1570	1661	1738	1769	1361
65°	1018	1095	1213	1303	1344	1010
75°	511	620	783	914	964	541
85°	95	244	448	593	642	117
90°	4	145	330	466	520	6
95°	0	90	249	376	421	0
105°	0	59	158	249	285	0
115°	0	45	118	181	204	0
125°	4	32	90	136	154	2
135°	4	27	68	100	113	3
145°	4	18	45	68	72	3
155°	4	14	27	41	45	2
165°	4	9	14	18	23	1
175°	4	4	4	4	4	0
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3158.3	3158.3	3158.3	3158.3	3158.3
2.5°	3162.9	3158.3	3171.9	3167.4	3158.3
5°	3153.8	3158.3	3158.3	3162.9	3167.4
7.5°	3131.2	3122.1	3135.7	3149.3	3149.3
10°	3104.0	3095.0	3104.0	3113.1	3104.0
12.5°	3067.8	3049.7	3081.4	3081.4	3076.9
15°	3018.1	3013.5	3036.2	3045.2	3027.1
17.5°	2963.8	2977.3	2977.3	2995.4	3009.0
20°	2914.0	2904.9	2927.6	2941.1	2954.7
22.5°	2837.1	2832.5	2859.7	2882.3	2877.8
25°	2760.1	2760.1	2796.3	2823.5	2809.9
27.5°	2678.7	2678.7	2719.4	2746.6	2769.2
30°	2597.2	2606.3	2638.0	2674.2	2692.3
32.5°	2497.7	2520.3	2552.0	2601.8	2606.3
35°	2407.2	2420.8	2475.1	2511.3	2529.4
37.5°	2312.2	2316.7	2380.1	2429.8	2447.9
40°	2208.1	2217.2	2294.1	2339.3	2366.5
42.5°	2108.6	2117.6	2190.0	2248.8	2271.5
45°	1995.4	2018.1	2085.9	2149.3	2181.0
47.5°	1882.3	1914.0	1981.9	2054.3	2072.4
50°	1764.7	1796.4	1877.8	1936.6	1977.3
52.5°	1642.5	1683.2	1764.7	1841.6	1877.8
55°	1524.9	1570.1	1660.6	1737.5	1769.2
57.5°	1398.2	1452.5	1552.0	1633.5	1669.7
60°	1280.5	1325.8	1434.4	1520.3	1561.1
62.5°	1144.8	1203.6	1321.2	1416.3	1452.5
65°	1018.1	1095.0	1212.7	1303.1	1343.9
67.5°	895.9	972.8	1104.1	1199.1	1248.9
70°	764.7	850.7	990.9	1099.5	1153.8
72.5°	629.0	728.5	886.9	1009.0	1054.3
75°	511.3	619.9	782.8	914.0	963.8
77.5°	393.7	506.8	687.8	823.5	877.8
80°	276.0	402.7	601.8	742.1	791.8
82.5°	181.0	321.3	520.4	660.6	714.9
85°	95.0	244.3	448.0	592.8	642.5
87.5°	31.7	185.5	384.6	529.4	579.2
90°	4.5	144.8	330.3	466.1	520.4
92.5°	0.0	113.1	285.1	420.8	470.6
95°	0.0	90.5	248.9	375.6	420.8
97.5°	0.0	76.9	221.7	334.8	384.6
100°	0.0	67.9	194.6	303.2	343.9
102.5°	0.0	63.3	176.5	271.5	312.2
105°	0.0	58.8	158.4	248.9	285.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	45.2	126.7	194.6	221.7
115°	0.0	45.2	117.6	181.0	203.6
117.5°	0.0	40.7	113.1	167.4	190.0
120°	0.0	36.2	104.1	158.4	181.0
122.5°	0.0	36.2	95.0	149.3	167.4
125°	4.5	31.7	90.5	135.7	153.8
127.5°	4.5	31.7	86.0	126.7	144.8
130°	4.5	27.1	76.9	117.6	131.2
132.5°	4.5	27.1	72.4	108.6	122.2
135°	4.5	27.1	67.9	99.5	113.1
137.5°	4.5	22.6	58.8	90.5	104.1
140°	4.5	22.6	54.3	81.4	95.0
142.5°	4.5	22.6	49.8	72.4	86.0
145°	4.5	18.1	45.2	67.9	72.4
147.5°	4.5	18.1	40.7	58.8	67.9
150°	4.5	13.6	36.2	49.8	58.8
152.5°	4.5	13.6	31.7	45.2	49.8
155°	4.5	13.6	27.1	40.7	45.2
157.5°	4.5	13.6	22.6	36.2	36.2
160°	4.5	9.0	18.1	27.1	31.7
162.5°	4.5	9.0	18.1	22.6	27.1
165°	4.5	9.0	13.6	18.1	22.6
167.5°	4.5	4.5	9.0	13.6	18.1
170°	4.5	4.5	9.0	9.0	13.6
172.5°	4.5	4.5	4.5	4.5	9.0
175°	4.5	4.5	4.5	4.5	4.5
177.5°	4.5	4.5	4.5	0.0	0.0
180°	4.5	4.5	4.5	4.5	4.5



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	54.3	149.3	226.2	262.4
110°	0.0	49.8	135.7	208.1	239.8



(END OF REPORT)