

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: P709801

Luminaire Tested: **8AWS-L3C39-CA-UNV-4000K-HI**

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709801
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-4000K-HI
Description: 8foot, Adapt Surface Wrap with, RD lens and HI lumen setting,
4000K, 90CRI

Light Source: -
Ballast/Driver: -

Summary

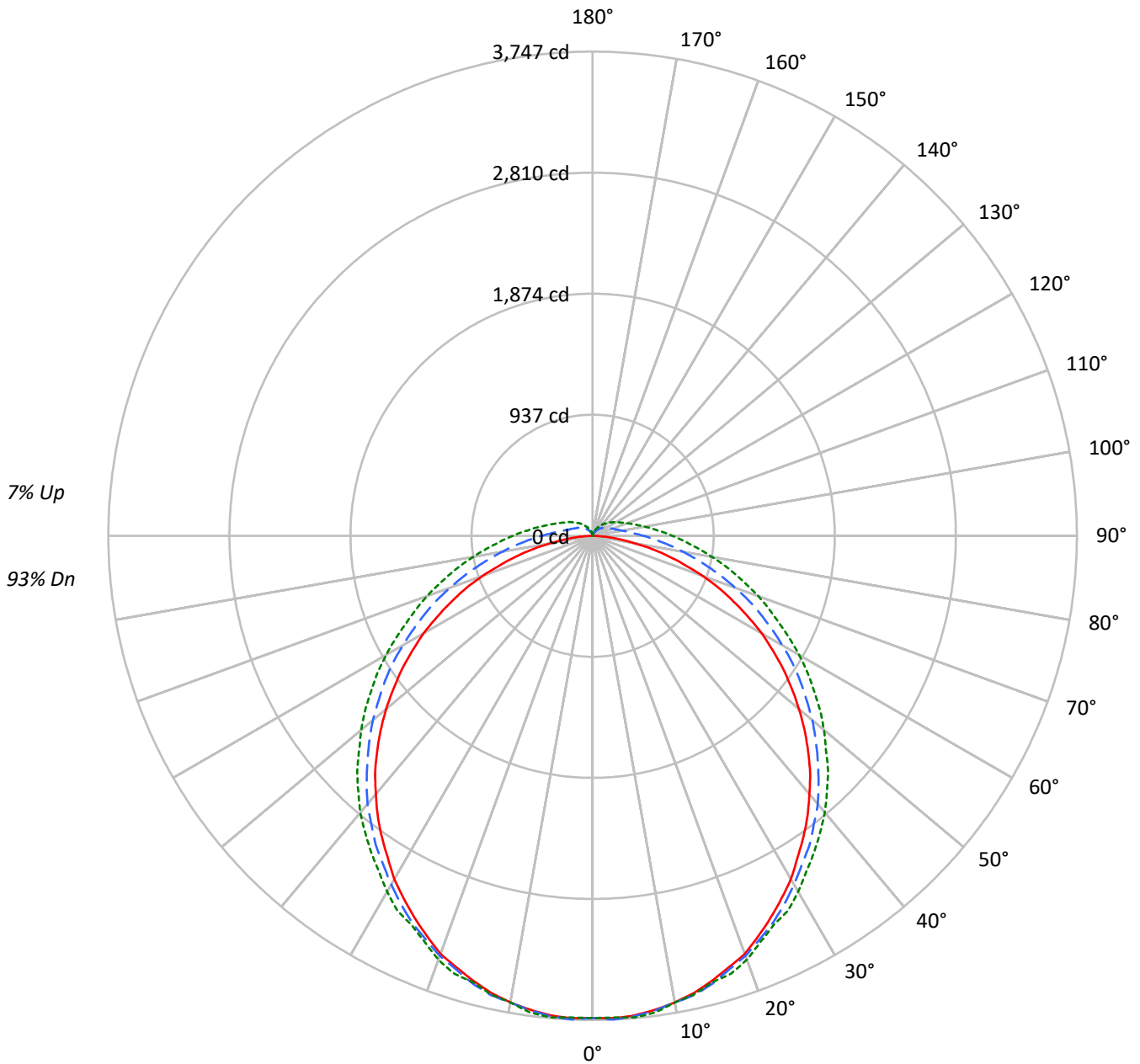
Lumens per Lamp: N/A
Luminaire Lumens: 12086.0 lumens
Efficiency: N/A
Efficacy: 143.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 7.42' x H: 0.12')
CIE Type: Direct

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°	11767	11767	11767
5°	11779	11613	11582
10°	11710	11351	11227
15°	11591	11127	10913
20°	11486	10835	10699
25°	11262	10533	10299
30°	11071	10196	10066
35°	10826	9899	9728
40°	10596	9582	9443
45°	10347	9191	9114
50°	10035	8824	8743
55°	9681	8429	8373
60°	9282	7980	8012
65°	8675	7528	7597
70°	7975	7017	7322
75°	6942	6509	7030
80°	5425	6117	6852
85°	3429	5912	6898



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	354.1	2.9
10°-20°	1010.1	8.4
20°-30°	1519.8	12.6
30°-40°	1825.2	15.1
40°-50°	1900.5	15.7
50°-60°	1746.3	14.4
60°-70°	1402.5	11.6
70°-80°	956.2	7.9
80°-90°	543.5	4.5
90°-100°	304.4	2.5
100°-110°	192.6	1.6
110°-120°	131.5	1.1
120°-130°	90.3	0.7
130°-140°	57.4	0.5
140°-150°	32.0	0.3
150°-160°	14.5	0.1
160°-170°	4.6	0.0
170°-180°	0.6	0.0
0°-30°	2884.0	23.9
0°-40°	4709.1	39.0
0°-60°	8355.9	69.1
0°-90°	11258.1	93.1
90°-120°	628.5	5.2
90°-150°	808.2	6.7
90°-180°	828.0	6.9
0°-180°	12086.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3731	3731	3731	3731	3731	
5°	3726	3731	3731	3737	3742	354
15°	3566	3560	3587	3598	3576	1006
25°	3261	3261	3304	3336	3320	1503
35°	2844	2860	2924	2967	2988	1779
45°	2358	2384	2464	2539	2577	1818
55°	1802	1855	1962	2053	2090	1608
65°	1203	1294	1433	1540	1588	1193
75°	604	732	925	1080	1139	640
85°	112	289	529	700	759	138
90°	5	171	390	551	615	7
95°	0	107	294	444	497	0
105°	0	70	187	294	337	0
115°	0	54	139	214	241	0
125°	5	37	107	160	182	3
135°	5	32	80	118	134	4
145°	5	21	54	80	86	3
155°	5	16	32	48	54	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°	3731.3	3731.3	3731.3	3731.3	3731.3
2.5°	3736.7	3731.3	3747.4	3742.0	3731.3
5°	3726.0	3731.3	3731.3	3736.7	3742.0
7.5°	3699.3	3688.6	3704.6	3720.6	3720.6
10°	3667.2	3656.5	3667.2	3677.9	3667.2
12.5°	3624.4	3603.0	3640.5	3640.5	3635.1
15°	3565.6	3560.3	3587.0	3597.7	3576.3
17.5°	3501.5	3517.5	3517.5	3538.9	3554.9
20°	3442.7	3432.0	3458.7	3474.7	3490.8
22.5°	3351.8	3346.4	3378.5	3405.2	3399.9
25°	3260.9	3260.9	3303.7	3335.7	3319.7
27.5°	3164.7	3164.7	3212.8	3244.9	3271.6
30°	3068.5	3079.2	3116.6	3159.3	3180.7
32.5°	2950.9	2977.6	3015.0	3073.8	3079.2
35°	2843.9	2860.0	2924.1	2966.9	2988.3
37.5°	2731.7	2737.0	2811.9	2870.7	2892.0
40°	2608.7	2619.4	2710.3	2763.8	2795.8
42.5°	2491.1	2501.8	2587.3	2656.8	2683.6
45°	2357.5	2384.2	2464.4	2539.2	2576.6
47.5°	2223.8	2261.3	2341.4	2427.0	2448.4
50°	2084.8	2122.3	2218.5	2288.0	2336.1
52.5°	1940.5	1988.6	2084.8	2175.7	2218.5
55°	1801.5	1855.0	1961.9	2052.8	2090.2
57.5°	1651.8	1716.0	1833.6	1929.8	1972.6
60°	1512.8	1566.3	1694.6	1796.2	1844.3
62.5°	1352.5	1422.0	1561.0	1673.2	1716.0
65°	1202.8	1293.7	1432.7	1539.6	1587.7
67.5°	1058.5	1149.3	1304.4	1416.6	1475.4
70°	903.4	1005.0	1170.7	1299.0	1363.2
72.5°	743.1	860.7	1047.8	1192.1	1245.6
75°	604.1	732.4	924.8	1079.8	1138.6
77.5°	465.1	598.7	812.6	972.9	1037.1
80°	326.1	475.8	711.0	876.7	935.5
82.5°	213.8	379.5	614.8	780.5	844.6
85°	112.3	288.7	529.2	700.3	759.1
87.5°	37.4	219.2	454.4	625.5	684.3
90°	5.3	171.1	390.2	550.6	614.8
92.5°	0.0	133.6	336.8	497.2	556.0
95°	0.0	106.9	294.0	443.7	497.2
97.5°	0.0	90.9	261.9	395.6	454.4
100°	0.0	80.2	229.9	358.2	406.3
102.5°	0.0	74.8	208.5	320.7	368.9
105°	0.0	69.5	187.1	294.0	336.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	53.5	149.7	229.9	261.9
115°	0.0	53.5	139.0	213.8	240.6
117.5°	0.0	48.1	133.6	197.8	224.5
120°	0.0	42.8	123.0	187.1	213.8
122.5°	0.0	42.8	112.3	176.4	197.8
125°	5.3	37.4	106.9	160.4	181.8
127.5°	5.3	37.4	101.6	149.7	171.1
130°	5.3	32.1	90.9	139.0	155.0
132.5°	5.3	32.1	85.5	128.3	144.3
135°	5.3	32.1	80.2	117.6	133.6
137.5°	5.3	26.7	69.5	106.9	123.0
140°	5.3	26.7	64.1	96.2	112.3
142.5°	5.3	26.7	58.8	85.5	101.6
145°	5.3	21.4	53.5	80.2	85.5
147.5°	5.3	21.4	48.1	69.5	80.2
150°	5.3	16.0	42.8	58.8	69.5
152.5°	5.3	16.0	37.4	53.5	58.8
155°	5.3	16.0	32.1	48.1	53.5
157.5°	5.3	16.0	26.7	42.8	42.8
160°	5.3	10.7	21.4	32.1	37.4
162.5°	5.3	10.7	21.4	26.7	32.1
165°	5.3	10.7	16.0	21.4	26.7
167.5°	5.3	5.3	10.7	16.0	21.4
170°	5.3	5.3	10.7	10.7	16.0
172.5°	5.3	5.3	5.3	5.3	10.7
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	64.1	176.4	267.3	310.1
110°	0.0	58.8	160.4	245.9	283.3



(END OF REPORT)