

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: P709774

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

Issue Date: 9/26/2023



Test Information

Test Method: LM-79-08
Report Number: P709774
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-HO-UNV-5000K-HI
Description: 8foot, Adapt Surface Wrap with, RD lens and HI lumen setting,
5000K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

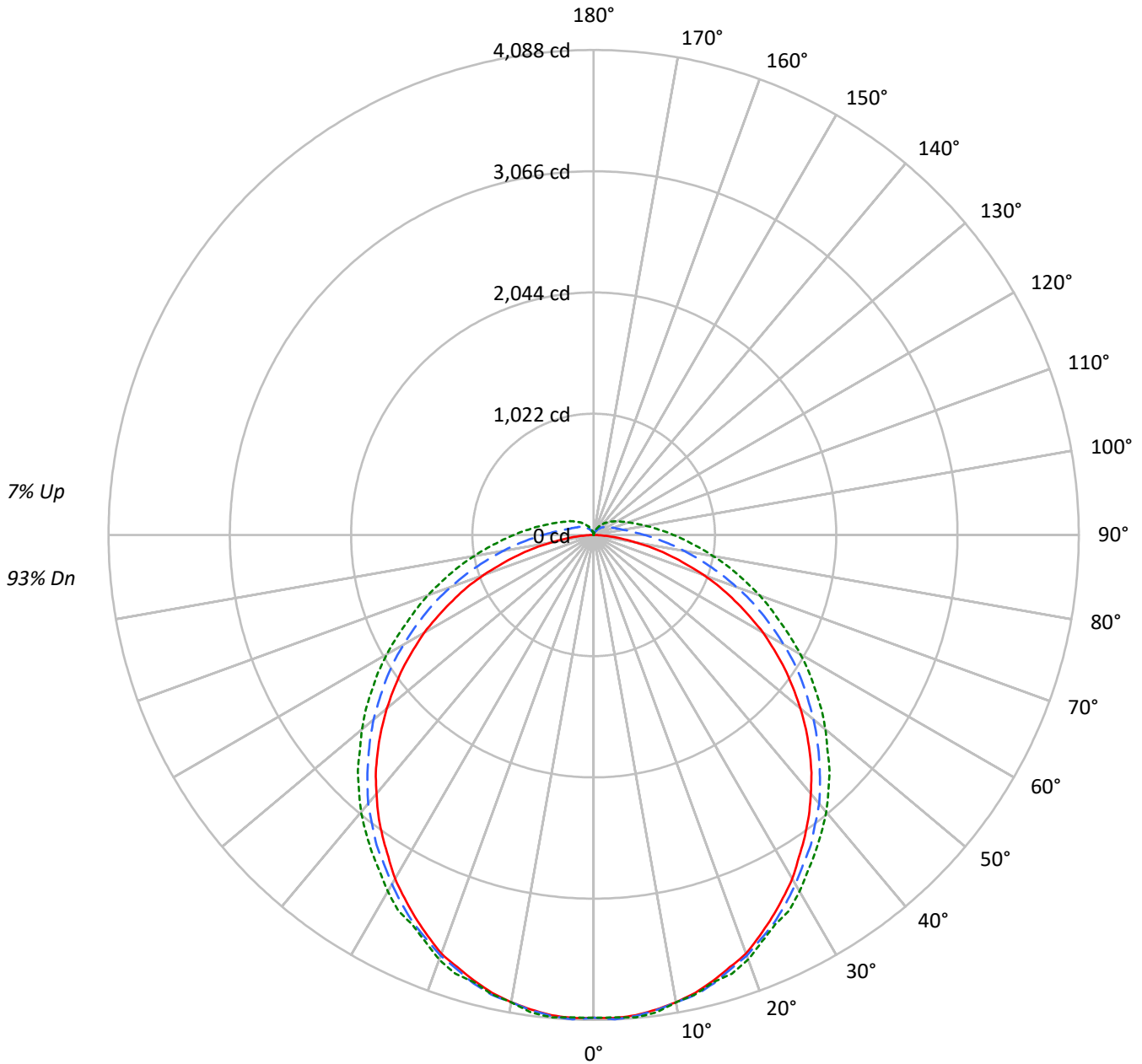
Lumens per Lamp: N/A
Luminaire Lumens: 13184.0 lumens
Efficiency: N/A
Efficacy: 153.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 7.42' x H: 0.12')
CIE Type: Direct

Input Watts (W): 86
Input Voltage (V): NR
Input Current (A_{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°	12836	12836	12836
5°	12849	12668	12634
10°	12774	12382	12247
15°	12644	12138	11905
20°	12529	11819	11671
25°	12285	11490	11234
30°	12076	11122	10981
35°	11810	10799	10611
40°	11558	10453	10301
45°	11287	10026	9942
50°	10947	9626	9537
55°	10561	9194	9134
60°	10125	8706	8740
65°	9463	8212	8287
70°	8700	7655	7987
75°	7571	7101	7669
80°	5917	6673	7475
85°	3741	6449	7525



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	386.2	2.9
10°-20°	1101.8	8.4
20°-30°	1657.9	12.6
30°-40°	1991.0	15.1
40°-50°	2073.2	15.7
50°-60°	1904.9	14.4
60°-70°	1529.9	11.6
70°-80°	1043.1	7.9
80°-90°	592.8	4.5
90°-100°	332.0	2.5
100°-110°	210.1	1.6
110°-120°	143.4	1.1
120°-130°	98.5	0.7
130°-140°	62.7	0.5
140°-150°	34.9	0.3
150°-160°	15.8	0.1
160°-170°	5.0	0.0
170°-180°	0.6	0.0
0°-30°	3146.0	23.9
0°-40°	5136.9	39.0
0°-60°	9115.1	69.1
0°-90°	12280.9	93.1
90°-120°	685.6	5.2
90°-150°	881.6	6.7
90°-180°	903.0	6.8
0°-180°	13184.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4070	4070	4070	4070	4070	
5°	4064	4070	4070	4076	4082	386
15°	3890	3884	3913	3924	3901	1098
25°	3557	3557	3604	3639	3621	1640
35°	3102	3120	3190	3236	3260	1941
45°	2572	2601	2688	2770	2811	1983
55°	1965	2024	2140	2239	2280	1754
65°	1312	1411	1563	1679	1732	1301
75°	659	799	1009	1178	1242	698
85°	122	315	577	764	828	151
90°	6	187	426	601	671	7
95°	0	117	321	484	542	0
105°	0	76	204	321	367	0
115°	0	58	152	233	262	0
125°	6	41	117	175	198	3
135°	6	35	88	128	146	4
145°	6	23	58	88	93	4
155°	6	18	35	52	58	3
165°	6	12	18	23	29	2
175°	6	6	6	6	6	1
180°	6	6	6	6	6	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4070.3	4070.3	4070.3	4070.3	4070.3
2.5°	4076.2	4070.3	4087.8	4082.0	4070.3
5°	4064.5	4070.3	4070.3	4076.2	4082.0
7.5°	4035.3	4023.7	4041.2	4058.7	4058.7
10°	4000.3	3988.7	4000.3	4012.0	4000.3
12.5°	3953.7	3930.4	3971.2	3971.2	3965.4
15°	3889.5	3883.7	3912.9	3924.5	3901.2
17.5°	3819.6	3837.1	3837.1	3860.4	3877.9
20°	3755.4	3743.8	3772.9	3790.4	3807.9
22.5°	3656.3	3650.5	3685.4	3714.6	3708.8
25°	3557.2	3557.2	3603.8	3638.8	3621.3
27.5°	3452.2	3452.2	3504.7	3539.7	3568.8
30°	3347.2	3358.9	3399.7	3446.4	3469.7
32.5°	3218.9	3248.1	3288.9	3353.1	3358.9
35°	3102.3	3119.8	3189.8	3236.4	3259.8
37.5°	2979.8	2985.7	3067.3	3131.5	3154.8
40°	2845.7	2857.4	2956.5	3014.8	3049.8
42.5°	2717.4	2729.1	2822.4	2898.2	2927.4
45°	2571.6	2600.8	2688.3	2769.9	2810.7
47.5°	2425.9	2466.7	2554.2	2647.5	2670.8
50°	2274.2	2315.1	2420.0	2495.8	2548.3
52.5°	2116.8	2169.3	2274.2	2373.4	2420.0
55°	1965.2	2023.5	2140.1	2239.3	2280.1
57.5°	1801.9	1871.9	2000.2	2105.1	2151.8
60°	1650.3	1708.6	1848.6	1959.4	2011.8
62.5°	1475.3	1551.2	1702.8	1825.2	1871.9
65°	1312.1	1411.2	1562.8	1679.4	1731.9
67.5°	1154.6	1253.8	1422.9	1545.3	1609.5
70°	985.5	1096.3	1277.1	1417.0	1487.0
72.5°	810.6	938.9	1143.0	1300.4	1358.7
75°	658.9	798.9	1008.8	1177.9	1242.1
77.5°	507.3	653.1	886.4	1061.3	1131.3
80°	355.7	519.0	775.6	956.3	1020.5
82.5°	233.3	414.0	670.6	851.4	921.4
85°	122.5	314.9	577.3	763.9	828.1
87.5°	40.8	239.1	495.7	682.3	746.4
90°	5.8	186.6	425.7	600.6	670.6
92.5°	0.0	145.8	367.4	542.3	606.5
95°	0.0	116.6	320.7	484.0	542.3
97.5°	0.0	99.1	285.7	431.5	495.7
100°	0.0	87.5	250.8	390.7	443.2
102.5°	0.0	81.6	227.4	349.9	402.4
105°	0.0	75.8	204.1	320.7	367.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	58.3	163.3	250.8	285.7
115°	0.0	58.3	151.6	233.3	262.4
117.5°	0.0	52.5	145.8	215.8	244.9
120°	0.0	46.7	134.1	204.1	233.3
122.5°	0.0	46.7	122.5	192.4	215.8
125°	5.8	40.8	116.6	174.9	198.3
127.5°	5.8	40.8	110.8	163.3	186.6
130°	5.8	35.0	99.1	151.6	169.1
132.5°	5.8	35.0	93.3	140.0	157.4
135°	5.8	35.0	87.5	128.3	145.8
137.5°	5.8	29.2	75.8	116.6	134.1
140°	5.8	29.2	70.0	105.0	122.5
142.5°	5.8	29.2	64.1	93.3	110.8
145°	5.8	23.3	58.3	87.5	93.3
147.5°	5.8	23.3	52.5	75.8	87.5
150°	5.8	17.5	46.7	64.1	75.8
152.5°	5.8	17.5	40.8	58.3	64.1
155°	5.8	17.5	35.0	52.5	58.3
157.5°	5.8	17.5	29.2	46.7	46.7
160°	5.8	11.7	23.3	35.0	40.8
162.5°	5.8	11.7	23.3	29.2	35.0
165°	5.8	11.7	17.5	23.3	29.2
167.5°	5.8	5.8	11.7	17.5	23.3
170°	5.8	5.8	11.7	11.7	17.5
172.5°	5.8	5.8	5.8	5.8	11.7
175°	5.8	5.8	5.8	5.8	5.8
177.5°	5.8	5.8	5.8	0.0	0.0
180°	5.8	5.8	5.8	5.8	5.8



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	70.0	192.4	291.6	338.2
110°	0.0	64.1	174.9	268.2	309.1



(END OF REPORT)