

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: P709720

Luminaire Tested: **4AWS-L3C3-HO-UNV-5000K-HI**

Issue Date: 9/26/2023



Test Information

Test Method: LM-79-08
Report Number: P709720
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: 4AWS-L3C3-HO-UNV-5000K-HI
Description: 4foot, Adapt Surface Wrap with, RD lens and HI lumen setting,
5000K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

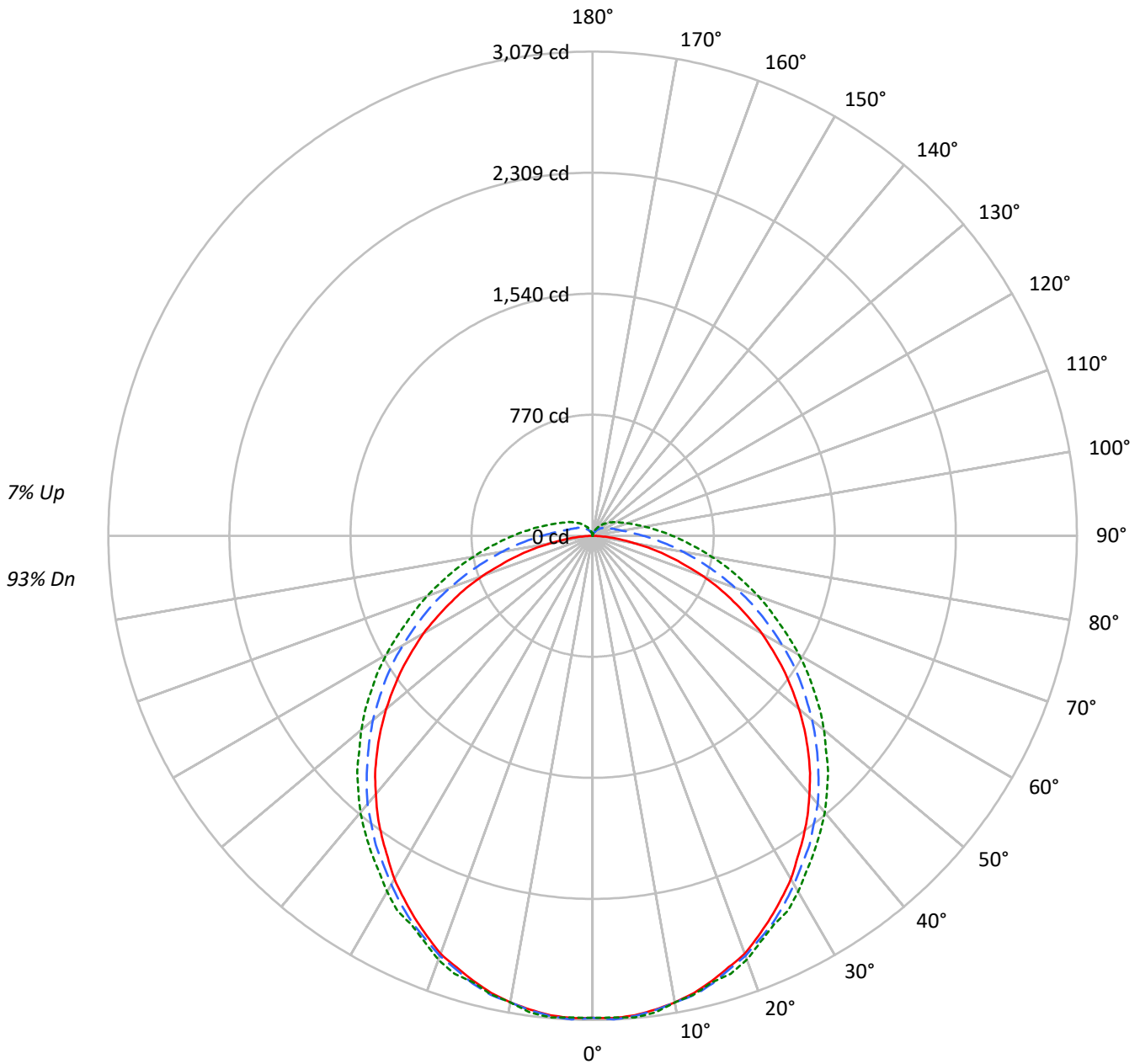
Lumens per Lamp: N/A
Luminaire Lumens: 9930.0 lumens
Efficiency: N/A
Efficacy: 122.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 3.71' x H: 0.12')
CIE Type: Direct

Input Watts (W): 81
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°	19336	19336	19336
5°	19327	19064	19031
10°	19187	18616	18448
15°	18964	18231	17933
20°	18764	17735	17581
25°	18368	17224	16923
30°	18024	16655	16541
35°	17593	16153	15985
40°	17181	15617	15517
45°	16735	14959	14976
50°	16184	14341	14367
55°	15557	13676	13758
60°	14848	12922	13166
65°	13791	12160	12484
70°	12572	11301	12031
75°	10792	10439	11551
80°	8222	9752	11259
85°	4871	9337	11336



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	290.9	2.9
10°-20°	829.9	8.4
20°-30°	1248.7	12.6
30°-40°	1499.6	15.1
40°-50°	1561.5	15.7
50°-60°	1434.8	14.4
60°-70°	1152.3	11.6
70°-80°	785.6	7.9
80°-90°	446.5	4.5
90°-100°	250.1	2.5
100°-110°	158.3	1.6
110°-120°	108.0	1.1
120°-130°	74.2	0.7
130°-140°	47.2	0.5
140°-150°	26.3	0.3
150°-160°	11.9	0.1
160°-170°	3.8	0.0
170°-180°	0.5	0.0
0°-30°	2369.5	23.9
0°-40°	3869.1	39.0
0°-60°	6865.3	69.1
0°-90°	9249.8	93.1
90°-120°	516.4	5.2
90°-150°	664.0	6.7
90°-180°	680.0	6.8
0°-180°	9930.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3066	3066	3066	3066	3066	
5°	3061	3066	3066	3070	3074	291
15°	2930	2925	2947	2956	2938	827
25°	2679	2679	2714	2741	2728	1235
35°	2337	2350	2402	2438	2455	1462
45°	1937	1959	2025	2086	2117	1494
55°	1480	1524	1612	1687	1717	1321
65°	988	1063	1177	1265	1304	980
75°	496	602	760	887	936	526
85°	92	237	435	575	624	113
90°	4	140	321	452	505	5
95°	0	88	242	364	408	0
105°	0	57	154	242	277	0
115°	0	44	114	176	198	0
125°	4	31	88	132	149	2
135°	4	26	66	97	110	3
145°	4	18	44	66	70	3
155°	4	13	26	40	44	2
165°	4	9	13	18	22	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°	3065.7	3065.7	3065.7	3065.7	3065.7
2.5°	3070.1	3065.7	3078.9	3074.5	3065.7
5°	3061.3	3065.7	3065.7	3070.1	3074.5
7.5°	3039.4	3030.6	3043.7	3056.9	3056.9
10°	3013.0	3004.2	3013.0	3021.8	3013.0
12.5°	2977.9	2960.3	2991.0	2991.0	2986.6
15°	2929.5	2925.2	2947.1	2955.9	2938.3
17.5°	2876.8	2890.0	2890.0	2907.6	2920.8
20°	2828.5	2819.7	2841.7	2854.9	2868.1
22.5°	2753.9	2749.5	2775.8	2797.8	2793.4
25°	2679.2	2679.2	2714.3	2740.7	2727.5
27.5°	2600.1	2600.1	2639.7	2666.0	2688.0
30°	2521.1	2529.9	2560.6	2595.7	2613.3
32.5°	2424.5	2446.4	2477.2	2525.5	2529.9
35°	2336.6	2349.8	2402.5	2437.6	2455.2
37.5°	2244.4	2248.8	2310.3	2358.6	2376.1
40°	2143.4	2152.1	2226.8	2270.7	2297.1
42.5°	2046.7	2055.5	2125.8	2182.9	2204.8
45°	1936.9	1958.9	2024.8	2086.3	2117.0
47.5°	1827.1	1857.9	1923.8	1994.0	2011.6
50°	1712.9	1743.7	1822.7	1879.8	1919.4
52.5°	1594.3	1633.9	1712.9	1787.6	1822.7
55°	1480.1	1524.1	1611.9	1686.6	1717.3
57.5°	1357.2	1409.9	1506.5	1585.6	1620.7
60°	1243.0	1286.9	1392.3	1475.8	1515.3
62.5°	1111.2	1168.3	1282.5	1374.7	1409.9
65°	988.2	1062.9	1177.1	1264.9	1304.5
67.5°	869.6	944.3	1071.7	1163.9	1212.2
70°	742.3	825.7	961.9	1067.3	1120.0
72.5°	610.5	707.1	860.9	979.4	1023.4
75°	496.3	601.7	759.8	887.2	935.5
77.5°	382.1	491.9	667.6	799.4	852.1
80°	267.9	390.9	584.2	720.3	768.6
82.5°	175.7	311.8	505.1	641.3	694.0
85°	92.2	237.2	434.8	575.4	623.7
87.5°	30.7	180.1	373.3	513.9	562.2
90°	4.4	140.5	320.6	452.4	505.1
92.5°	0.0	109.8	276.7	408.5	456.8
95°	0.0	87.8	241.6	364.5	408.5
97.5°	0.0	74.7	215.2	325.0	373.3
100°	0.0	65.9	188.9	294.3	333.8
102.5°	0.0	61.5	171.3	263.5	303.1
105°	0.0	57.1	153.7	241.6	276.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	43.9	123.0	188.9	215.2
115°	0.0	43.9	114.2	175.7	197.6
117.5°	0.0	39.5	109.8	162.5	184.5
120°	0.0	35.1	101.0	153.7	175.7
122.5°	0.0	35.1	92.2	144.9	162.5
125°	4.4	30.7	87.8	131.8	149.3
127.5°	4.4	30.7	83.5	123.0	140.5
130°	4.4	26.4	74.7	114.2	127.4
132.5°	4.4	26.4	70.3	105.4	118.6
135°	4.4	26.4	65.9	96.6	109.8
137.5°	4.4	22.0	57.1	87.8	101.0
140°	4.4	22.0	52.7	79.1	92.2
142.5°	4.4	22.0	48.3	70.3	83.5
145°	4.4	17.6	43.9	65.9	70.3
147.5°	4.4	17.6	39.5	57.1	65.9
150°	4.4	13.2	35.1	48.3	57.1
152.5°	4.4	13.2	30.7	43.9	48.3
155°	4.4	13.2	26.4	39.5	43.9
157.5°	4.4	13.2	22.0	35.1	35.1
160°	4.4	8.8	17.6	26.4	30.7
162.5°	4.4	8.8	17.6	22.0	26.4
165°	4.4	8.8	13.2	17.6	22.0
167.5°	4.4	4.4	8.8	13.2	17.6
170°	4.4	4.4	8.8	8.8	13.2
172.5°	4.4	4.4	4.4	4.4	8.8
175°	4.4	4.4	4.4	4.4	4.4
177.5°	4.4	4.4	4.4	0.0	0.0
180°	4.4	4.4	4.4	4.4	4.4



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	52.7	144.9	219.6	254.7
110°	0.0	48.3	131.8	202.0	232.8



(END OF REPORT)