

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: P709714

Luminaire Tested: **4AWS-L3C3-HO-UNV-3500K-HI**

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709714
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-3500K-HI
Description: 4foot, Adapt Surface Wrap with, RD lens and HI lumen setting,
3500K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

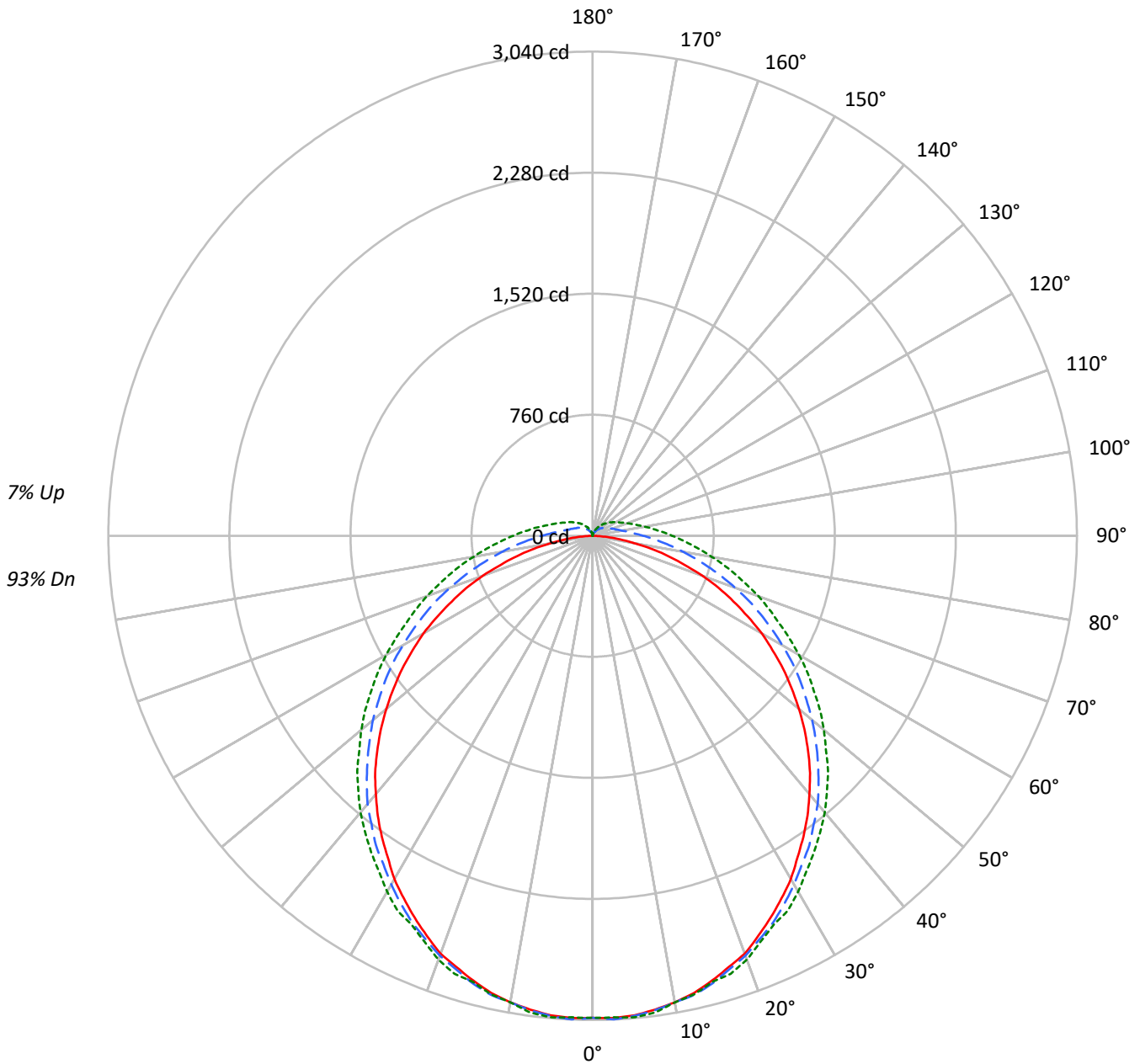
Lumens per Lamp: N/A
Luminaire Lumens: 9803.0 lumens
Efficiency: N/A
Efficacy: 122.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 3.71' x H: 0.12')
CIE Type: Direct

Input Watts (W): 80
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					20	
RC	80					70					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	96	96	96	93	
1	106	101	96	92	102	98	93	89	92	89	85	87	84	81	82	80	78	78	78	78	75	
2	96	87	80	74	93	85	78	72	80	74	70	76	71	67	71	68	64	64	64	64	62	
3	87	76	68	61	84	74	66	60	70	63	58	66	61	56	63	58	54	54	54	54	52	
4	80	67	58	51	77	65	57	51	62	55	49	59	53	48	56	51	46	46	46	46	44	
5	73	60	51	44	71	58	50	43	56	48	42	53	46	41	50	45	40	40	40	40	38	
6	68	54	45	38	65	53	44	38	50	43	37	48	41	36	46	40	35	35	35	35	33	
7	63	49	40	34	60	48	39	33	46	38	33	43	37	32	42	36	31	31	31	31	29	
8	58	45	36	30	56	44	35	30	42	34	29	40	33	29	38	32	28	28	28	28	26	
9	54	41	33	27	53	40	32	27	38	31	26	37	30	26	35	29	25	25	25	25	23	
10	51	38	30	24	49	37	29	24	35	29	24	34	28	23	33	27	23	23	23	23	21	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	19089	19089	19089
5°	19081	18820	18788
10°	18942	18378	18213
15°	18722	17998	17704
20°	18525	17509	17356
25°	18133	17004	16706
30°	17794	16442	16330
35°	17368	15947	15780
40°	16961	15417	15318
45°	16522	14768	14785
50°	15977	14158	14183
55°	15358	13501	13583
60°	14658	12757	12997
65°	13616	12004	12325
70°	12411	11156	11877
75°	10655	10305	11404
80°	8118	9627	11116
85°	4813	9219	11190



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	287.2	2.9
10°-20°	819.3	8.4
20°-30°	1232.7	12.6
30°-40°	1480.4	15.1
40°-50°	1541.5	15.7
50°-60°	1416.4	14.4
60°-70°	1137.6	11.6
70°-80°	775.6	7.9
80°-90°	440.8	4.5
90°-100°	246.9	2.5
100°-110°	156.2	1.6
110°-120°	106.6	1.1
120°-130°	73.3	0.7
130°-140°	46.6	0.5
140°-150°	25.9	0.3
150°-160°	11.8	0.1
160°-170°	3.7	0.0
170°-180°	0.5	0.0
0°-30°	2339.2	23.9
0°-40°	3819.6	39.0
0°-60°	6777.5	69.1
0°-90°	9131.5	93.1
90°-120°	509.8	5.2
90°-150°	655.5	6.7
90°-180°	672.0	6.9
0°-180°	9803.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3026	3026	3026	3026	3026	
5°	3022	3026	3026	3031	3035	287
15°	2892	2888	2909	2918	2901	816
25°	2645	2645	2680	2706	2693	1219
35°	2307	2320	2372	2406	2424	1443
45°	1912	1934	1999	2060	2090	1475
55°	1461	1505	1591	1665	1695	1305
65°	976	1049	1162	1249	1288	967
75°	490	594	750	876	924	519
85°	91	234	429	568	616	112
90°	4	139	316	447	499	5
95°	0	87	238	360	403	0
105°	0	56	152	238	273	0
115°	0	43	113	173	195	0
125°	4	30	87	130	147	2
135°	4	26	65	95	108	3
145°	4	17	43	65	69	3
155°	4	13	26	39	43	2
165°	4	9	13	17	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°	3026.5	3026.5	3026.5	3026.5	3026.5
2.5°	3030.8	3026.5	3039.5	3035.2	3026.5
5°	3022.2	3026.5	3026.5	3030.8	3035.2
7.5°	3000.5	2991.8	3004.8	3017.8	3017.8
10°	2974.5	2965.8	2974.5	2983.1	2974.5
12.5°	2939.8	2922.4	2952.8	2952.8	2948.4
15°	2892.1	2887.7	2909.4	2918.1	2900.8
17.5°	2840.1	2853.1	2853.1	2870.4	2883.4
20°	2792.4	2783.7	2805.4	2818.4	2831.4
22.5°	2718.6	2714.3	2740.3	2762.0	2757.7
25°	2644.9	2644.9	2679.6	2705.6	2692.6
27.5°	2566.9	2566.9	2605.9	2631.9	2653.6
30°	2488.8	2497.5	2527.9	2562.5	2579.9
32.5°	2393.4	2415.1	2445.5	2493.2	2497.5
35°	2306.7	2319.7	2371.8	2406.5	2423.8
37.5°	2215.7	2220.0	2280.7	2328.4	2345.8
40°	2115.9	2124.6	2198.3	2241.7	2267.7
42.5°	2020.6	2029.2	2098.6	2155.0	2176.6
45°	1912.2	1933.8	1998.9	2059.6	2089.9
47.5°	1803.8	1834.1	1899.1	1968.5	1985.9
50°	1691.0	1721.4	1799.4	1855.8	1894.8
52.5°	1574.0	1613.0	1691.0	1764.7	1799.4
55°	1461.2	1504.6	1591.3	1665.0	1695.4
57.5°	1339.8	1391.8	1487.2	1565.3	1600.0
60°	1227.1	1270.4	1374.5	1456.9	1495.9
62.5°	1097.0	1153.4	1266.1	1357.2	1391.8
65°	975.6	1049.3	1162.0	1248.8	1287.8
67.5°	858.5	932.2	1058.0	1149.0	1196.7
70°	732.8	815.2	949.6	1053.6	1105.7
72.5°	602.7	698.1	849.8	966.9	1010.3
75°	490.0	594.0	750.1	875.9	923.6
77.5°	377.2	485.6	659.1	789.1	841.2
80°	264.5	385.9	576.7	711.1	758.8
82.5°	173.4	307.9	498.6	633.0	685.1
85°	91.1	234.1	429.3	568.0	615.7
87.5°	30.4	177.8	368.6	507.3	555.0
90°	4.3	138.8	316.5	446.6	498.6
92.5°	0.0	108.4	273.2	403.2	450.9
95°	0.0	86.7	238.5	359.9	403.2
97.5°	0.0	73.7	212.5	320.9	368.6
100°	0.0	65.0	186.4	290.5	329.5
102.5°	0.0	60.7	169.1	260.2	299.2
105°	0.0	56.4	151.8	238.5	273.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	43.4	121.4	186.4	212.5
115°	0.0	43.4	112.7	173.4	195.1
117.5°	0.0	39.0	108.4	160.4	182.1
120°	0.0	34.7	99.7	151.8	173.4
122.5°	0.0	34.7	91.1	143.1	160.4
125°	4.3	30.4	86.7	130.1	147.4
127.5°	4.3	30.4	82.4	121.4	138.8
130°	4.3	26.0	73.7	112.7	125.7
132.5°	4.3	26.0	69.4	104.1	117.1
135°	4.3	26.0	65.0	95.4	108.4
137.5°	4.3	21.7	56.4	86.7	99.7
140°	4.3	21.7	52.0	78.0	91.1
142.5°	4.3	21.7	47.7	69.4	82.4
145°	4.3	17.3	43.4	65.0	69.4
147.5°	4.3	17.3	39.0	56.4	65.0
150°	4.3	13.0	34.7	47.7	56.4
152.5°	4.3	13.0	30.4	43.4	47.7
155°	4.3	13.0	26.0	39.0	43.4
157.5°	4.3	13.0	21.7	34.7	34.7
160°	4.3	8.7	17.3	26.0	30.4
162.5°	4.3	8.7	17.3	21.7	26.0
165°	4.3	8.7	13.0	17.3	21.7
167.5°	4.3	4.3	8.7	13.0	17.3
170°	4.3	4.3	8.7	8.7	13.0
172.5°	4.3	4.3	4.3	4.3	8.7
175°	4.3	4.3	4.3	4.3	4.3
177.5°	4.3	4.3	4.3	0.0	0.0
180°	4.3	4.3	4.3	4.3	4.3



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	52.0	143.1	216.8	251.5
110°	0.0	47.7	130.1	199.5	229.8



(END OF REPORT)