

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: P709716

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

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709716
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-MID
Description: 4foot, Adapt Surface Wrap with, RD lens and MID lumen setting,
3500K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

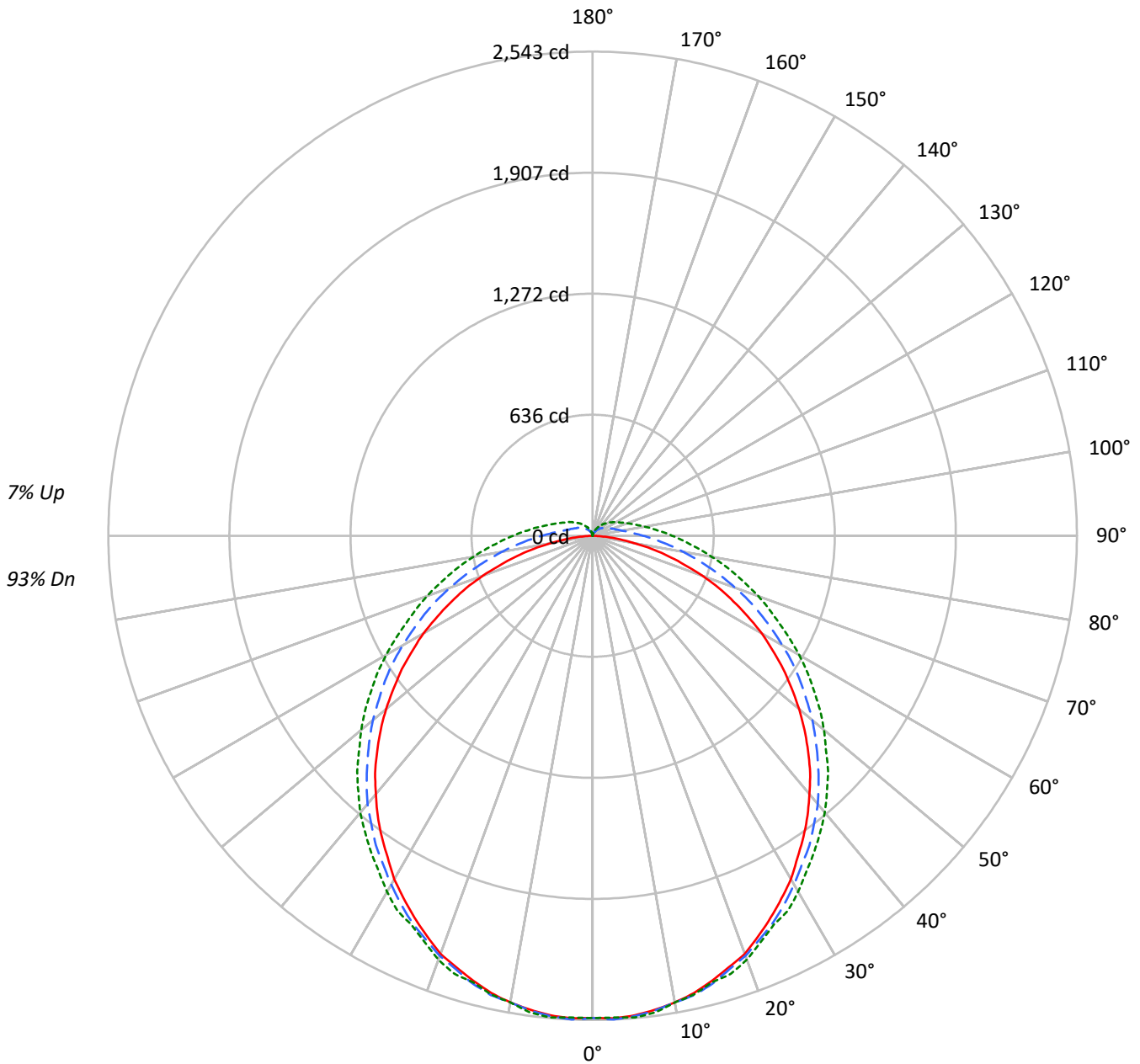
Lumens per Lamp: N/A
Luminaire Lumens: 8203.0 lumens
Efficiency: N/A
Efficacy: 128.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 3.71' x H: 0.12')
CIE Type: Direct

Input Watts (W): 64
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°	15973	15973	15973
5°	15966	15748	15721
10°	15850	15379	15240
15°	15666	15061	14814
20°	15501	14651	14524
25°	15173	14229	13979
30°	14889	13759	13664
35°	14533	13344	13205
40°	14193	12901	12818
45°	13825	12357	12372
50°	13369	11847	11868
55°	12852	11297	11365
60°	12265	10675	10876
65°	11394	10046	10313
70°	10385	9335	9938
75°	8915	8624	9542
80°	6792	8056	9301
85°	4026	7714	9364



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	240.3	2.9
10°-20°	685.6	8.4
20°-30°	1031.5	12.6
30°-40°	1238.8	15.1
40°-50°	1289.9	15.7
50°-60°	1185.2	14.4
60°-70°	951.9	11.6
70°-80°	649.0	7.9
80°-90°	368.9	4.5
90°-100°	206.6	2.5
100°-110°	130.7	1.6
110°-120°	89.2	1.1
120°-130°	61.3	0.7
130°-140°	39.0	0.5
140°-150°	21.7	0.3
150°-160°	9.9	0.1
160°-170°	3.1	0.0
170°-180°	0.4	0.0
0°-30°	1957.4	23.9
0°-40°	3196.2	39.0
0°-60°	5671.3	69.1
0°-90°	7641.1	93.1
90°-120°	426.5	5.2
90°-150°	548.5	6.7
90°-180°	562.0	6.9
0°-180°	8203.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2532	2532	2532	2532	2532	
5°	2529	2532	2532	2536	2540	240
15°	2420	2416	2435	2442	2427	683
25°	2213	2213	2242	2264	2253	1020
35°	1930	1941	1985	2014	2028	1208
45°	1600	1618	1673	1723	1749	1234
55°	1223	1259	1332	1393	1419	1092
65°	816	878	972	1045	1078	810
75°	410	497	628	733	773	434
85°	76	196	359	475	515	94
90°	4	116	265	374	417	4
95°	0	73	200	301	337	0
105°	0	47	127	200	229	0
115°	0	36	94	145	163	0
125°	4	25	73	109	123	2
135°	4	22	54	80	91	3
145°	4	14	36	54	58	2
155°	4	11	22	33	36	2
165°	4	7	11	14	18	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°	2532.5	2532.5	2532.5	2532.5	2532.5
2.5°	2536.2	2532.5	2543.4	2539.8	2532.5
5°	2528.9	2532.5	2532.5	2536.2	2539.8
7.5°	2510.8	2503.5	2514.4	2525.3	2525.3
10°	2489.0	2481.7	2489.0	2496.2	2489.0
12.5°	2460.0	2445.4	2470.8	2470.8	2467.2
15°	2420.0	2416.4	2434.6	2441.8	2427.3
17.5°	2376.5	2387.4	2387.4	2401.9	2412.8
20°	2336.6	2329.3	2347.5	2358.4	2369.3
22.5°	2274.9	2271.3	2293.1	2311.2	2307.6
25°	2213.2	2213.2	2242.3	2264.0	2253.1
27.5°	2147.9	2147.9	2180.6	2202.4	2220.5
30°	2082.6	2089.9	2115.3	2144.3	2158.8
32.5°	2002.8	2020.9	2046.3	2086.2	2089.9
35°	1930.2	1941.1	1984.7	2013.7	2028.2
37.5°	1854.0	1857.7	1908.5	1948.4	1962.9
40°	1770.6	1777.8	1839.5	1875.8	1897.6
42.5°	1690.8	1698.0	1756.1	1803.2	1821.4
45°	1600.1	1618.2	1672.6	1723.4	1748.8
47.5°	1509.4	1534.8	1589.2	1647.2	1661.7
50°	1415.0	1440.4	1505.7	1552.9	1585.5
52.5°	1317.1	1349.7	1415.0	1476.7	1505.7
55°	1222.7	1259.0	1331.6	1393.3	1418.6
57.5°	1121.1	1164.7	1244.5	1309.8	1338.8
60°	1026.8	1063.1	1150.2	1219.1	1251.7
62.5°	917.9	965.1	1059.5	1135.6	1164.7
65°	816.4	878.0	972.4	1044.9	1077.6
67.5°	718.4	780.1	885.3	961.5	1001.4
70°	613.2	682.1	794.6	881.7	925.2
72.5°	504.3	584.1	711.1	809.1	845.4
75°	410.0	497.1	627.7	732.9	772.8
77.5°	315.7	406.4	551.5	660.3	703.9
80°	221.3	322.9	482.6	595.0	634.9
82.5°	145.1	257.6	417.2	529.7	573.3
85°	76.2	195.9	359.2	475.3	515.2
87.5°	25.4	148.8	308.4	424.5	464.4
90°	3.6	116.1	264.9	373.7	417.2
92.5°	0.0	90.7	228.6	337.4	377.3
95°	0.0	72.6	199.6	301.1	337.4
97.5°	0.0	61.7	177.8	268.5	308.4
100°	0.0	54.4	156.0	243.1	275.7
102.5°	0.0	50.8	141.5	217.7	250.3
105°	0.0	47.2	127.0	199.6	228.6



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CATALOG NUMBER: 4AWS-L3C3-HO-UNV-3500K-MID

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	36.3	101.6	156.0	177.8
115°	0.0	36.3	94.3	145.1	163.3
117.5°	0.0	32.7	90.7	134.2	152.4
120°	0.0	29.0	83.4	127.0	145.1
122.5°	0.0	29.0	76.2	119.7	134.2
125°	3.6	25.4	72.6	108.8	123.4
127.5°	3.6	25.4	68.9	101.6	116.1
130°	3.6	21.8	61.7	94.3	105.2
132.5°	3.6	21.8	58.1	87.1	98.0
135°	3.6	21.8	54.4	79.8	90.7
137.5°	3.6	18.1	47.2	72.6	83.4
140°	3.6	18.1	43.5	65.3	76.2
142.5°	3.6	18.1	39.9	58.1	68.9
145°	3.6	14.5	36.3	54.4	58.1
147.5°	3.6	14.5	32.7	47.2	54.4
150°	3.6	10.9	29.0	39.9	47.2
152.5°	3.6	10.9	25.4	36.3	39.9
155°	3.6	10.9	21.8	32.7	36.3
157.5°	3.6	10.9	18.1	29.0	29.0
160°	3.6	7.3	14.5	21.8	25.4
162.5°	3.6	7.3	14.5	18.1	21.8
165°	3.6	7.3	10.9	14.5	18.1
167.5°	3.6	3.6	7.3	10.9	14.5
170°	3.6	3.6	7.3	7.3	10.9
172.5°	3.6	3.6	3.6	3.6	7.3
175°	3.6	3.6	3.6	3.6	3.6
177.5°	3.6	3.6	3.6	0.0	0.0
180°	3.6	3.6	3.6	3.6	3.6



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	43.5	<i>119.7</i>	181.4	210.4
110°	0.0	39.9	<i>108.8</i>	166.9	192.3



(END OF REPORT)