

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: P709721

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

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709721
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-LOW
Description: 4foot, Adapt Surface Wrap with, RD lens and LOW lumen setting,
5000K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

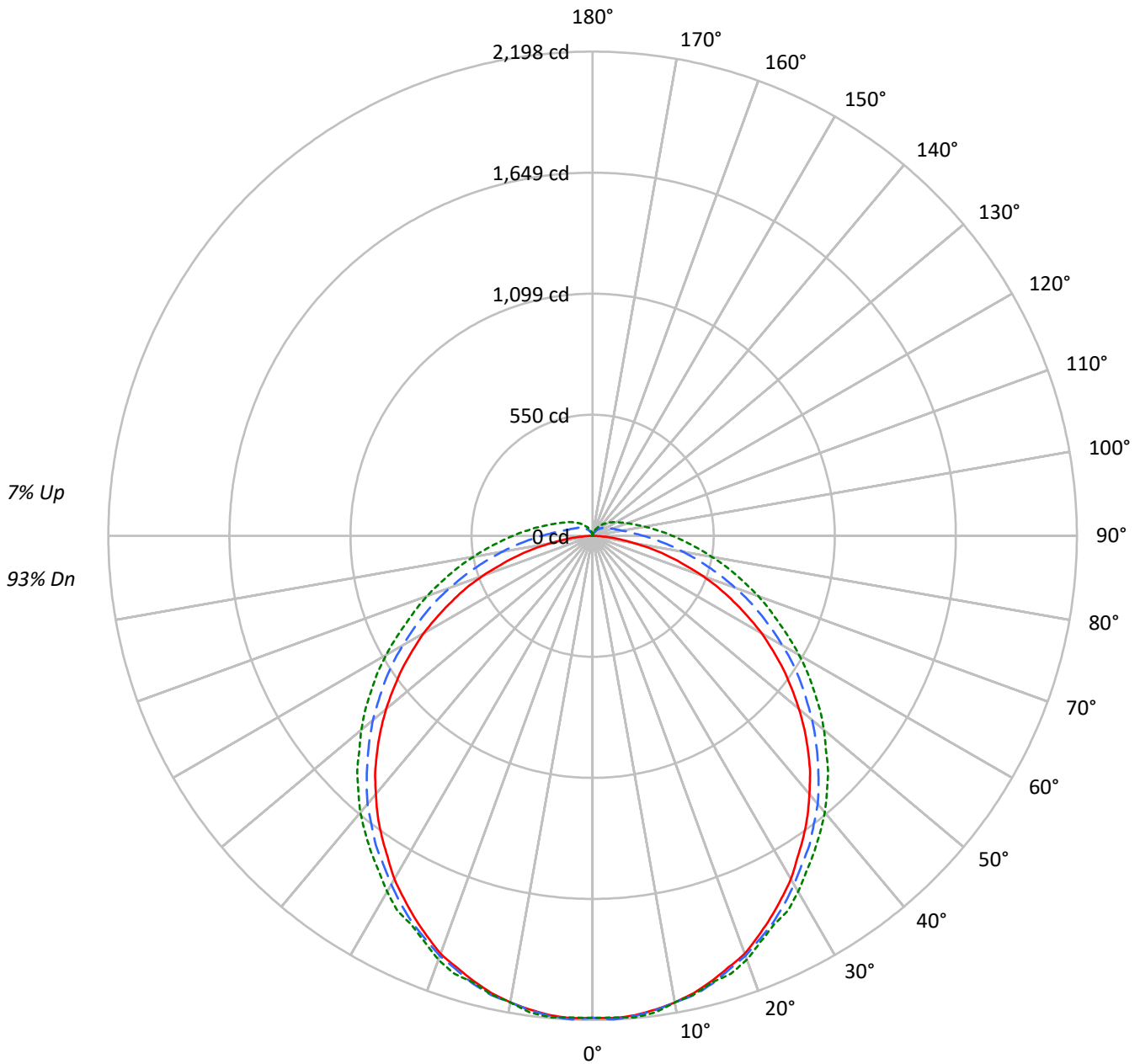
Lumens per Lamp: N/A
Luminaire Lumens: 7089.0 lumens
Efficiency: N/A
Efficacy: 139.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 3.71' x H: 0.12')
CIE Type: Direct

Input Watts (W): 51
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°	13804	13804	13804
5°	13798	13610	13587
10°	13698	13290	13170
15°	13539	13015	12803
20°	13396	12661	12551
25°	13113	12297	12081
30°	12868	11890	11809
35°	12559	11532	11412
40°	12265	11149	11077
45°	11948	10679	10691
50°	11554	10238	10256
55°	11107	9763	9822
60°	10600	9226	9399
65°	9846	8681	8913
70°	8974	8068	8589
75°	7704	7452	8247
80°	5871	6961	8038
85°	3476	6666	8091



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	207.7	2.9
10°-20°	592.5	8.4
20°-30°	891.4	12.6
30°-40°	1070.5	15.1
40°-50°	1114.8	15.7
50°-60°	1024.3	14.4
60°-70°	822.6	11.6
70°-80°	560.9	7.9
80°-90°	318.8	4.5
90°-100°	178.5	2.5
100°-110°	113.0	1.6
110°-120°	77.1	1.1
120°-130°	53.0	0.7
130°-140°	33.7	0.5
140°-150°	18.7	0.3
150°-160°	8.5	0.1
160°-170°	2.7	0.0
170°-180°	0.3	0.0
0°-30°	1691.6	23.9
0°-40°	2762.1	39.0
0°-60°	4901.1	69.1
0°-90°	6603.4	93.2
90°-120°	368.6	5.2
90°-150°	474.0	6.7
90°-180°	486.0	6.9
0°-180°	7089.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2189	2189	2189	2189	2189	
5°	2186	2189	2189	2192	2195	207
15°	2091	2088	2104	2110	2098	590
25°	1913	1913	1938	1957	1947	882
35°	1668	1678	1715	1740	1753	1044
45°	1383	1398	1446	1489	1511	1066
55°	1057	1088	1151	1204	1226	943
65°	706	759	840	903	931	700
75°	354	430	542	633	668	375
85°	66	169	310	411	445	81
90°	3	100	229	323	361	4
95°	0	63	172	260	292	0
105°	0	41	110	172	198	0
115°	0	31	82	125	141	0
125°	3	22	63	94	107	2
135°	3	19	47	69	78	2
145°	3	12	31	47	50	2
155°	3	9	19	28	31	1
165°	3	6	9	12	16	1
175°	3	3	3	3	3	0
180°	3	3	3	3	3	



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CATALOG NUMBER: 4AWS-L3C3-HO-UNV-5000K-LOW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2188.6	2188.6	2188.6	2188.6	2188.6
2.5°	2191.7	2188.6	2198.0	2194.9	2188.6
5°	2185.5	2188.6	2188.6	2191.7	2194.9
7.5°	2169.8	2163.5	2172.9	2182.3	2182.3
10°	2151.0	2144.7	2151.0	2157.2	2151.0
12.5°	2125.9	2113.3	2135.3	2135.3	2132.2
15°	2091.4	2088.3	2103.9	2110.2	2097.7
17.5°	2053.8	2063.2	2063.2	2075.7	2085.1
20°	2019.3	2013.0	2028.7	2038.1	2047.5
22.5°	1966.0	1962.8	1981.7	1997.3	1994.2
25°	1912.7	1912.7	1937.8	1956.6	1947.2
27.5°	1856.2	1856.2	1884.5	1903.3	1918.9
30°	1799.8	1806.1	1828.0	1853.1	1865.6
32.5°	1730.8	1746.5	1768.4	1802.9	1806.1
35°	1668.1	1677.5	1715.1	1740.2	1752.8
37.5°	1602.3	1605.4	1649.3	1683.8	1696.3
40°	1530.1	1536.4	1589.7	1621.1	1639.9
42.5°	1461.2	1467.4	1517.6	1558.4	1574.0
45°	1382.8	1398.4	1445.5	1489.4	1511.3
47.5°	1304.4	1326.3	1373.4	1423.5	1436.1
50°	1222.9	1244.8	1301.2	1342.0	1370.2
52.5°	1138.2	1166.4	1222.9	1276.2	1301.2
55°	1056.7	1088.0	1150.7	1204.0	1226.0
57.5°	968.9	1006.5	1075.5	1131.9	1157.0
60°	887.4	918.7	994.0	1053.5	1081.8
62.5°	793.3	834.1	915.6	981.4	1006.5
65°	705.5	758.8	840.3	903.0	931.3
67.5°	620.8	674.1	765.1	830.9	865.4
70°	529.9	589.5	686.7	761.9	799.6
72.5°	435.8	504.8	614.6	699.2	730.6
75°	354.3	429.6	542.4	633.4	667.9
77.5°	272.8	351.2	476.6	570.7	608.3
80°	191.3	279.1	417.0	514.2	548.7
82.5°	125.4	222.6	360.6	457.8	495.4
85°	65.8	169.3	310.4	410.8	445.2
87.5°	21.9	128.6	266.5	366.9	401.3
90°	3.1	100.3	228.9	323.0	360.6
92.5°	0.0	78.4	197.5	291.6	326.1
95°	0.0	62.7	172.5	260.2	291.6
97.5°	0.0	53.3	153.6	232.0	266.5
100°	0.0	47.0	134.8	210.1	238.3
102.5°	0.0	43.9	122.3	188.1	216.4
105°	0.0	40.8	109.7	172.5	197.5



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CATALOG NUMBER: 4AWS-L3C3-HO-UNV-5000K-LOW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	31.4	87.8	134.8	153.6
115°	0.0	31.4	81.5	125.4	141.1
117.5°	0.0	28.2	78.4	116.0	131.7
120°	0.0	25.1	72.1	109.7	125.4
122.5°	0.0	25.1	65.8	103.5	116.0
125°	3.1	21.9	62.7	94.1	106.6
127.5°	3.1	21.9	59.6	87.8	100.3
130°	3.1	18.8	53.3	81.5	90.9
132.5°	3.1	18.8	50.2	75.3	84.7
135°	3.1	18.8	47.0	69.0	78.4
137.5°	3.1	15.7	40.8	62.7	72.1
140°	3.1	15.7	37.6	56.4	65.8
142.5°	3.1	15.7	34.5	50.2	59.6
145°	3.1	12.5	31.4	47.0	50.2
147.5°	3.1	12.5	28.2	40.8	47.0
150°	3.1	9.4	25.1	34.5	40.8
152.5°	3.1	9.4	21.9	31.4	34.5
155°	3.1	9.4	18.8	28.2	31.4
157.5°	3.1	9.4	15.7	25.1	25.1
160°	3.1	6.3	12.5	18.8	21.9
162.5°	3.1	6.3	12.5	15.7	18.8
165°	3.1	6.3	9.4	12.5	15.7
167.5°	3.1	3.1	6.3	9.4	12.5
170°	3.1	3.1	6.3	6.3	9.4
172.5°	3.1	3.1	3.1	3.1	6.3
175°	3.1	3.1	3.1	3.1	3.1
177.5°	3.1	3.1	3.1	0.0	0.0
180°	3.1	3.1	3.1	3.1	3.1



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	37.6	103.5	156.8	181.9
110°	0.0	34.5	94.1	144.2	166.2



(END OF REPORT)