

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: P709844

Luminaire Tested: **4AWWS-L3C3-HO-UNV-4000K-LOW**

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709844
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2307-090-10)
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-4000K-LOW
Description: 4foot, Wide Adapt Surface Wrap with, RD lens and LOW lumen setting,
4000K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

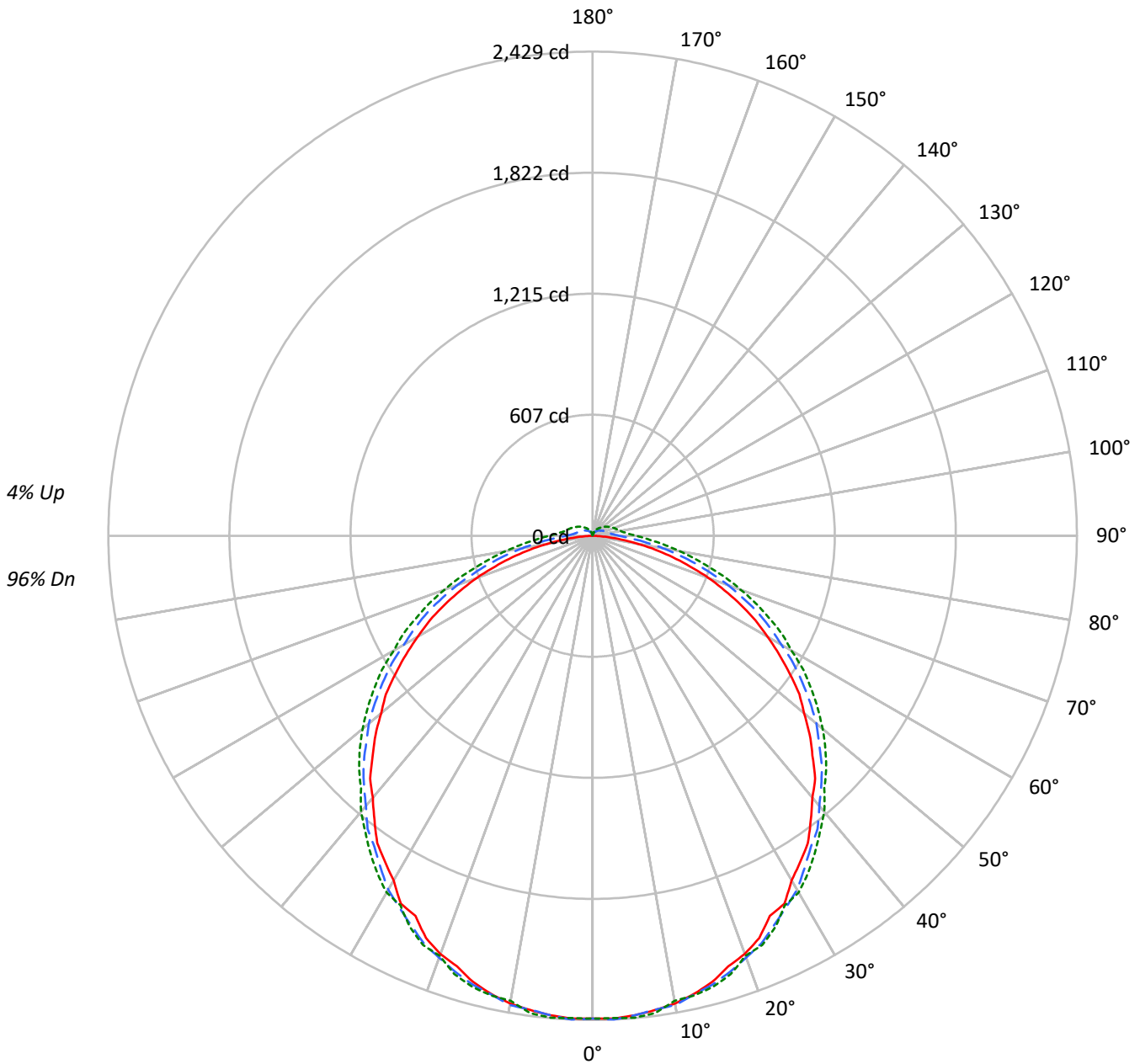
Lumens per Lamp: N/A
Luminaire Lumens: 7470.0 lumens
Efficiency: N/A
Efficacy: 149.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.27 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 3.71' x H: 0.17')
CIE Type: Direct

Input Watts (W): 50
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

TEST NUMBER: P709844

CATALOG NUMBER: 4AWWS-L3C3-HO-UNV-4000K-LOW

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	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96								
1	107	102	97	93	104	99	95	91	94	91	88	90	87	84	85	83	81	79								
2	97	89	81	76	94	86	80	74	82	77	72	78	74	70	74	71	67	65								
3	88	78	69	62	85	76	68	62	72	65	60	69	63	58	66	61	57	54								
4	81	69	60	53	78	67	59	52	64	57	51	61	55	50	58	53	49	46								
5	74	61	52	45	72	60	51	45	57	50	44	55	48	43	52	47	42	40								
6	68	55	46	39	66	54	45	39	52	44	38	49	43	38	47	42	37	35								
7	63	50	41	35	61	49	40	34	47	39	34	45	38	33	43	37	33	31								
8	59	45	37	31	57	45	36	31	43	35	30	41	35	30	40	34	29	27								
9	55	42	33	28	53	41	33	28	39	32	27	38	32	27	37	31	26	25								
10	52	38	30	25	50	38	30	25	36	29	25	35	29	24	34	28	24	22								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8466	8466	8466
5°	8439	8343	8365
10°	8391	8227	8114
15°	8285	8048	8033
20°	8168	7869	7762
25°	7944	7676	7629
30°	7852	7507	7462
35°	7784	7239	7253
40°	7536	7025	7037
45°	7372	6824	6798
50°	7140	6577	6583
55°	6906	6249	6311
60°	6561	5847	5942
65°	6184	5489	5612
70°	5623	4959	5163
75°	4791	4305	4611
80°	3609	3585	4117
85°	1919	2866	3674



TEST NUMBER: P709844

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.9	3.1
10°-20°	657.0	8.8
20°-30°	991.3	13.3
30°-40°	1196.4	16.0
40°-50°	1246.8	16.7
50°-60°	1142.8	15.3
60°-70°	896.2	12.0
70°-80°	554.0	7.4
80°-90°	234.9	3.1
90°-100°	102.9	1.4
100°-110°	73.0	1.0
110°-120°	54.8	0.7
120°-130°	39.1	0.5
130°-140°	25.8	0.3
140°-150°	15.3	0.2
150°-160°	7.3	0.1
160°-170°	2.4	0.0
170°-180°	0.3	0.0
0°-30°	1878.2	25.1
0°-40°	3074.6	41.2
0°-60°	5464.1	73.1
0°-90°	7149.2	95.7
90°-120°	230.7	3.1
90°-150°	310.8	4.2
90°-180°	321.0	4.3
0°-180°	7470.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2422	2422	2422	2422	2422	
5°	2415	2420	2415	2415	2427	229
15°	2317	2322	2330	2337	2342	653
25°	2104	2140	2155	2157	2167	979
35°	1883	1890	1907	1938	1943	1170
45°	1560	1579	1625	1649	1657	1204
55°	1207	1239	1285	1312	1338	1079
65°	821	853	916	952	976	810
75°	415	459	530	588	602	441
85°	73	131	216	279	306	93
90°	5	56	134	192	216	5
95°	0	36	97	146	168	0
105°	0	27	73	112	126	0
115°	0	22	58	90	102	0
125°	0	19	46	68	80	0
135°	0	15	36	51	61	0
145°	2	12	27	36	41	1
155°	2	7	17	24	27	1
165°	2	5	7	12	12	1
175°	2	2	2	2	5	0
180°	2	2	2	2	2	



TEST NUMBER: P709844

CATALOG NUMBER: 4AWWS-L3C3-HO-UNV-4000K-LOW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2421.9	2421.9	2421.9	2421.9	2421.9
2.5°	2424.3	2434.0	2429.2	2424.3	2421.9
5°	2414.6	2419.5	2414.6	2414.6	2426.7
7.5°	2400.0	2407.3	2397.6	2412.2	2414.6
10°	2383.0	2392.7	2390.3	2395.2	2368.4
12.5°	2353.9	2366.0	2356.3	2368.4	2361.2
15°	2317.4	2322.3	2329.6	2336.9	2341.7
17.5°	2264.0	2285.8	2293.1	2300.4	2305.3
20°	2232.4	2244.6	2251.8	2249.4	2242.1
22.5°	2183.8	2191.1	2213.0	2208.1	2222.7
25°	2103.7	2140.1	2154.7	2157.1	2166.8
27.5°	2081.8	2084.2	2101.2	2115.8	2089.1
30°	1996.8	2025.9	2050.2	2057.5	2067.2
32.5°	1938.5	1962.8	1977.3	2004.1	2008.9
35°	1882.6	1889.9	1906.9	1938.5	1943.3
37.5°	1797.6	1819.4	1853.5	1870.5	1872.9
40°	1715.0	1741.7	1768.4	1787.9	1807.3
42.5°	1651.8	1666.4	1698.0	1722.3	1719.9
45°	1559.5	1579.0	1625.1	1649.4	1656.7
47.5°	1476.9	1506.1	1540.1	1576.5	1583.8
50°	1384.6	1416.2	1464.8	1491.5	1506.1
52.5°	1306.9	1326.3	1374.9	1401.6	1423.5
55°	1207.3	1238.9	1285.0	1311.8	1338.5
57.5°	1110.1	1149.0	1195.2	1238.9	1253.5
60°	1013.0	1051.8	1093.1	1141.7	1151.4
62.5°	920.7	962.0	1005.7	1054.3	1073.7
65°	821.1	852.6	915.8	952.2	976.5
67.5°	716.6	755.5	816.2	857.5	886.6
70°	619.4	663.2	721.5	772.5	789.5
72.5°	512.6	566.0	621.9	675.3	699.6
75°	415.4	459.1	529.6	587.9	602.4
77.5°	323.1	364.4	439.7	498.0	519.8
80°	225.9	276.9	357.1	415.4	442.1
82.5°	143.3	196.8	279.4	342.5	371.7
85°	72.9	131.2	216.2	279.4	306.1
87.5°	24.3	82.6	165.2	230.8	257.5
90°	4.9	55.9	133.6	191.9	216.2
92.5°	0.0	41.3	111.7	165.2	187.0
95°	0.0	36.4	97.2	145.8	167.6
97.5°	0.0	34.0	89.9	133.6	150.6
100°	0.0	31.6	82.6	123.9	140.9
102.5°	0.0	29.2	77.7	116.6	133.6
105°	0.0	26.7	72.9	111.7	126.3



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CATALOG NUMBER: 4AWWS-L3C3-HO-UNV-4000K-LOW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	24.3	63.2	92.3	106.9
115°	0.0	21.9	58.3	89.9	102.0
117.5°	0.0	21.9	55.9	82.6	94.7
120°	0.0	19.4	51.0	77.7	89.9
122.5°	0.0	19.4	48.6	75.3	85.0
125°	0.0	19.4	46.2	68.0	80.2
127.5°	0.0	17.0	43.7	65.6	72.9
130°	0.0	17.0	41.3	60.7	68.0
132.5°	0.0	14.6	38.9	55.9	63.2
135°	0.0	14.6	36.4	51.0	60.7
137.5°	0.0	14.6	34.0	48.6	53.4
140°	0.0	12.1	31.6	43.7	51.0
142.5°	2.4	12.1	26.7	41.3	46.2
145°	2.4	12.1	26.7	36.4	41.3
147.5°	2.4	9.7	24.3	34.0	38.9
150°	2.4	9.7	21.9	29.2	34.0
152.5°	2.4	7.3	19.4	26.7	29.2
155°	2.4	7.3	17.0	24.3	26.7
157.5°	2.4	7.3	14.6	19.4	21.9
160°	2.4	4.9	12.1	17.0	19.4
162.5°	2.4	4.9	9.7	14.6	17.0
165°	2.4	4.9	7.3	12.1	12.1
167.5°	2.4	4.9	7.3	9.7	9.7
170°	2.4	2.4	4.9	7.3	7.3
172.5°	2.4	2.4	4.9	4.9	4.9
175°	2.4	2.4	2.4	2.4	4.9
177.5°	2.4	2.4	2.4	2.4	2.4
180°	2.4	2.4	2.4	2.4	2.4



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	26.7	70.4	104.5	119.0
110°	0.0	24.3	65.6	99.6	114.2



(END OF REPORT)