

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: P738731

Luminaire Tested: **4AWWS-L3C3-NUV-4000K-HI**

Issue Date: 2/13/2024



Test Information

Test Method: LM-79-08
Report Number: P738731
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2307-090-30)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/13/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4AWWS-L3C3-NUV-4000K-HI
Description: 4foot, Wide Adapt Surface Wrap with, RD lens and HI lumen setting, 4000K, 80CRI

Light Source: -
Ballast/Driver: -

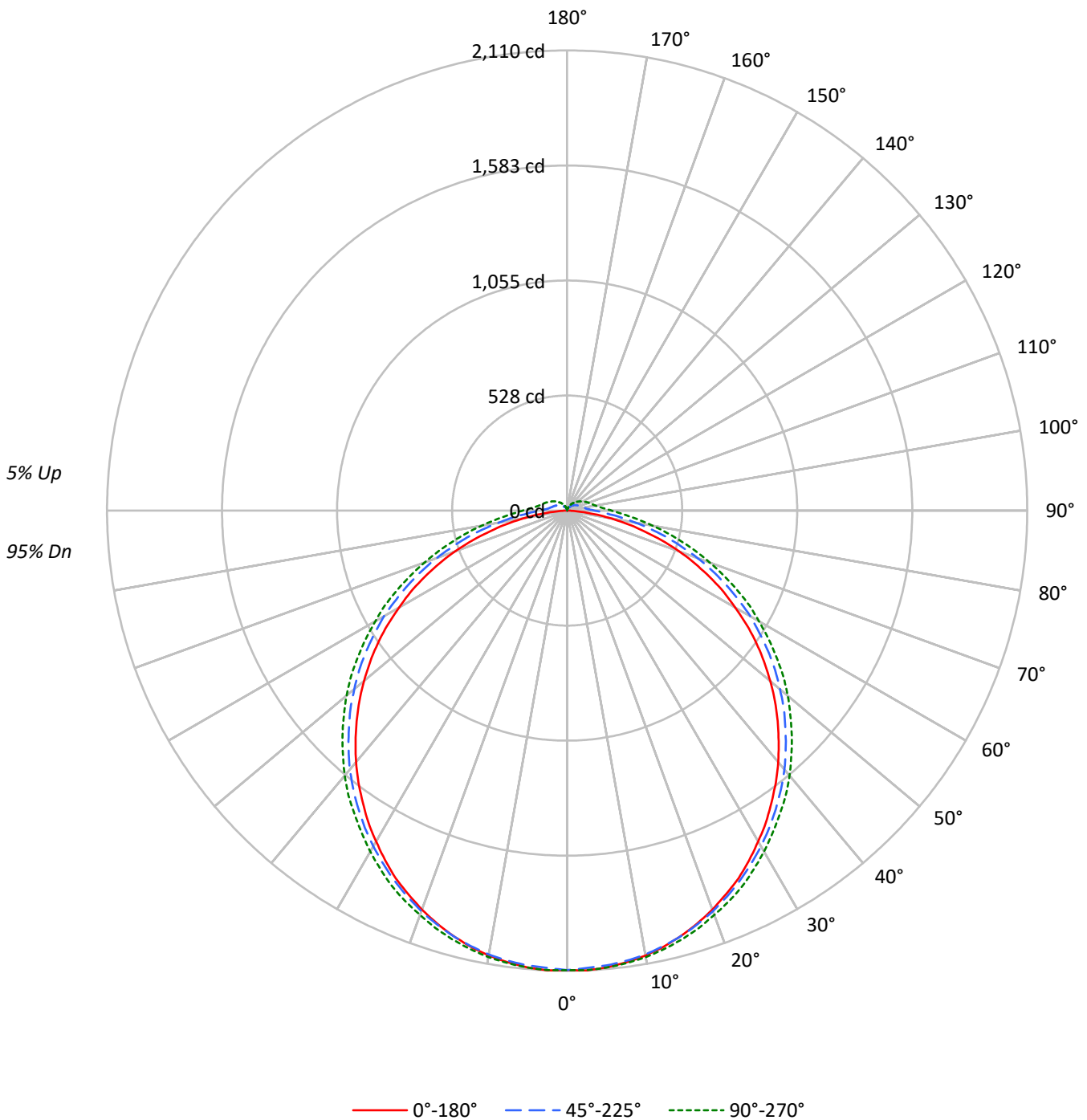
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6568.0 lumens
Efficiency: N/A
Efficacy: 136.8 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 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): 48
Input Voltage (V): NR
Input Current (Ain): 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	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	95				
1	107	102	97	93	104	99	95	91	94	91	88	89	87	84	85	83	81	78				
2	97	88	81	75	94	86	80	74	82	76	72	78	73	69	74	70	67	65				
3	88	77	69	62	85	75	68	61	72	65	60	68	63	58	65	61	57	54				
4	81	68	59	53	78	67	58	52	64	56	51	61	55	50	58	53	48	46				
5	74	61	52	45	72	60	51	45	57	49	44	54	48	43	52	46	42	40				
6	68	55	46	39	66	54	45	39	51	44	38	49	43	37	47	41	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	44	36	31	43	35	30	41	34	30	40	34	29	27				
9	55	41	33	28	53	41	33	27	39	32	27	38	31	27	36	31	26	24				
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°	7366	7366	7366
5°	7347	7232	7249
10°	7294	7113	7122
15°	7216	6977	6982
20°	7122	6831	6830
25°	7025	6672	6693
30°	6889	6509	6518
35°	6754	6337	6344
40°	6618	6157	6177
45°	6454	5945	5979
50°	6267	5721	5773
55°	6058	5472	5524
60°	5765	5191	5238
65°	5438	4808	4934
70°	4968	4376	4543
75°	4202	3850	4126
80°	3175	3192	3701
85°	1679	2613	3379



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.6	3.0
10°-20°	571.4	8.7
20°-30°	865.2	13.2
30°-40°	1044.6	15.9
40°-50°	1091.3	16.6
50°-60°	1002.4	15.3
60°-70°	788.7	12.0
70°-80°	491.1	7.5
80°-90°	214.7	3.3
90°-100°	96.7	1.5
100°-110°	68.6	1.0
110°-120°	51.4	0.8
120°-130°	36.6	0.6
130°-140°	23.8	0.4
140°-150°	13.5	0.2
150°-160°	6.2	0.1
160°-170°	1.9	0.0
170°-180°	0.2	0.0
0°-30°	1636.2	24.9
0°-40°	2680.8	40.8
0°-60°	4774.5	72.7
0°-90°	6269.0	95.4
90°-120°	216.7	3.3
90°-150°	290.6	4.4
90°-180°	299.0	4.6
0°-180°	6568.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2107	2107	2107	2107	2107	
5°	2102	2102	2093	2101	2103	200
15°	2018	2021	2019	2033	2035	569
25°	1860	1864	1873	1893	1901	856
35°	1634	1648	1669	1692	1700	1023
45°	1365	1386	1416	1443	1457	1053
55°	1059	1088	1125	1160	1172	945
65°	722	753	802	843	859	714
75°	364	409	474	520	539	389
85°	64	119	197	261	282	81
90°	1	52	125	182	204	3
95°	0	35	91	137	156	0
105°	1	26	69	104	117	1
115°	1	22	55	83	94	1
125°	1	17	44	65	74	1
135°	1	13	32	49	55	1
145°	1	9	22	35	38	1
155°	1	7	13	21	24	0
165°	2	3	7	9	12	0
175°	2	2	2	2	2	0
180°	1	1	1	1	1	



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CATALOG NUMBER: 4AWWS-L3C3-NUV-4000K-HI

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2107.1	2107.1	2107.1	2107.1	2107.1
2.5°	2110.4	2108.8	2098.9	2108.0	2108.8
5°	2102.2	2102.2	2093.1	2101.3	2103.0
7.5°	2088.9	2089.8	2082.3	2092.2	2093.1
10°	2071.5	2071.5	2066.6	2076.5	2079.0
12.5°	2048.4	2049.2	2045.0	2056.6	2059.1
15°	2018.5	2021.0	2019.4	2032.6	2035.1
17.5°	1985.4	1988.7	1988.7	2003.6	2007.0
20°	1946.5	1951.5	1954.8	1971.4	1973.0
22.5°	1903.5	1910.1	1915.1	1934.1	1939.1
25°	1860.4	1864.5	1872.8	1892.7	1901.0
27.5°	1807.4	1815.7	1826.5	1848.0	1853.8
30°	1751.9	1763.5	1777.6	1800.8	1805.8
32.5°	1696.5	1707.2	1725.5	1747.8	1752.8
35°	1633.5	1647.6	1669.2	1692.3	1699.8
37.5°	1571.5	1588.0	1610.4	1634.4	1646.8
40°	1506.0	1522.6	1549.9	1573.1	1586.4
42.5°	1435.7	1455.5	1483.7	1511.8	1521.8
45°	1365.3	1386.0	1415.8	1443.1	1457.2
47.5°	1292.4	1315.6	1347.9	1375.2	1388.5
50°	1215.4	1242.8	1274.2	1306.5	1320.6
52.5°	1138.4	1164.9	1202.2	1237.0	1249.4
55°	1059.0	1087.9	1125.2	1160.0	1171.6
57.5°	977.0	1004.3	1044.9	1081.3	1094.6
60°	890.0	924.8	970.4	1004.3	1015.1
62.5°	809.7	839.5	884.3	923.2	942.2
65°	722.0	753.4	802.3	842.9	858.6
67.5°	634.2	665.7	720.3	760.9	775.8
70°	547.3	577.9	636.7	678.1	694.7
72.5°	455.4	492.6	548.9	599.4	616.8
75°	364.3	409.0	473.6	520.0	539.0
77.5°	282.3	326.2	392.4	447.1	467.0
80°	198.7	245.9	317.9	373.4	397.4
82.5°	125.0	177.2	254.2	313.8	334.5
85°	63.8	119.2	197.1	260.8	281.5
87.5°	19.0	77.0	157.3	216.1	237.6
90°	0.8	52.2	125.0	182.1	203.7
92.5°	0.8	39.7	104.3	155.7	175.5
95°	0.0	34.8	91.1	137.4	156.5
97.5°	0.0	32.3	83.6	125.0	141.6
100°	0.0	29.8	77.8	116.7	131.6
102.5°	0.8	28.2	72.9	110.1	123.4
105°	0.8	26.5	68.7	103.5	116.7
107.5°	0.8	24.8	65.4	98.5	110.9
110°	0.8	24.0	62.1	92.7	105.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.8	22.4	58.0	87.8	99.4
115°	0.8	21.5	54.6	82.8	93.6
117.5°	0.8	20.7	52.2	77.8	88.6
120°	0.8	19.9	48.8	73.7	83.6
122.5°	0.8	18.2	46.4	68.7	77.8
125°	0.8	17.4	43.9	64.6	73.7
127.5°	0.8	16.6	40.6	60.4	68.7
130°	0.8	14.9	38.1	57.1	63.8
132.5°	0.8	14.1	35.6	53.0	59.6
135°	0.8	13.2	32.3	48.8	54.6
137.5°	0.8	11.6	29.8	45.5	50.5
140°	0.8	10.8	27.3	41.4	46.4
142.5°	0.8	9.9	24.0	38.1	42.2
145°	0.8	9.1	21.5	34.8	38.1
147.5°	0.8	8.3	19.0	31.5	34.8
150°	0.8	7.5	17.4	28.2	30.6
152.5°	0.8	6.6	14.9	24.0	27.3
155°	0.8	6.6	13.2	20.7	24.0
157.5°	1.7	5.8	11.6	17.4	20.7
160°	0.8	5.0	9.1	14.1	17.4
162.5°	1.7	4.1	8.3	11.6	14.9
165°	1.7	3.3	6.6	9.1	11.6
167.5°	1.7	2.5	5.0	6.6	9.1
170°	1.7	2.5	4.1	5.0	6.6
172.5°	1.7	1.7	2.5	3.3	4.1
175°	1.7	1.7	1.7	1.7	1.7
177.5°	1.7	1.7	0.8	0.8	0.8
180°	0.8	0.8	0.8	0.8	0.8

(END OF REPORT)