

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: P738728

Luminaire Tested: **4AWWS-L3C3-NUV-3500K-HI**

Issue Date: 2/13/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P738728  
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-3500K-HI  
Description: 4foot, Wide Adapt Surface Wrap with, RD lens and HI lumen setting,  
3500K, 80CRI

Light Source: -  
Ballast/Driver: -

**Summary**

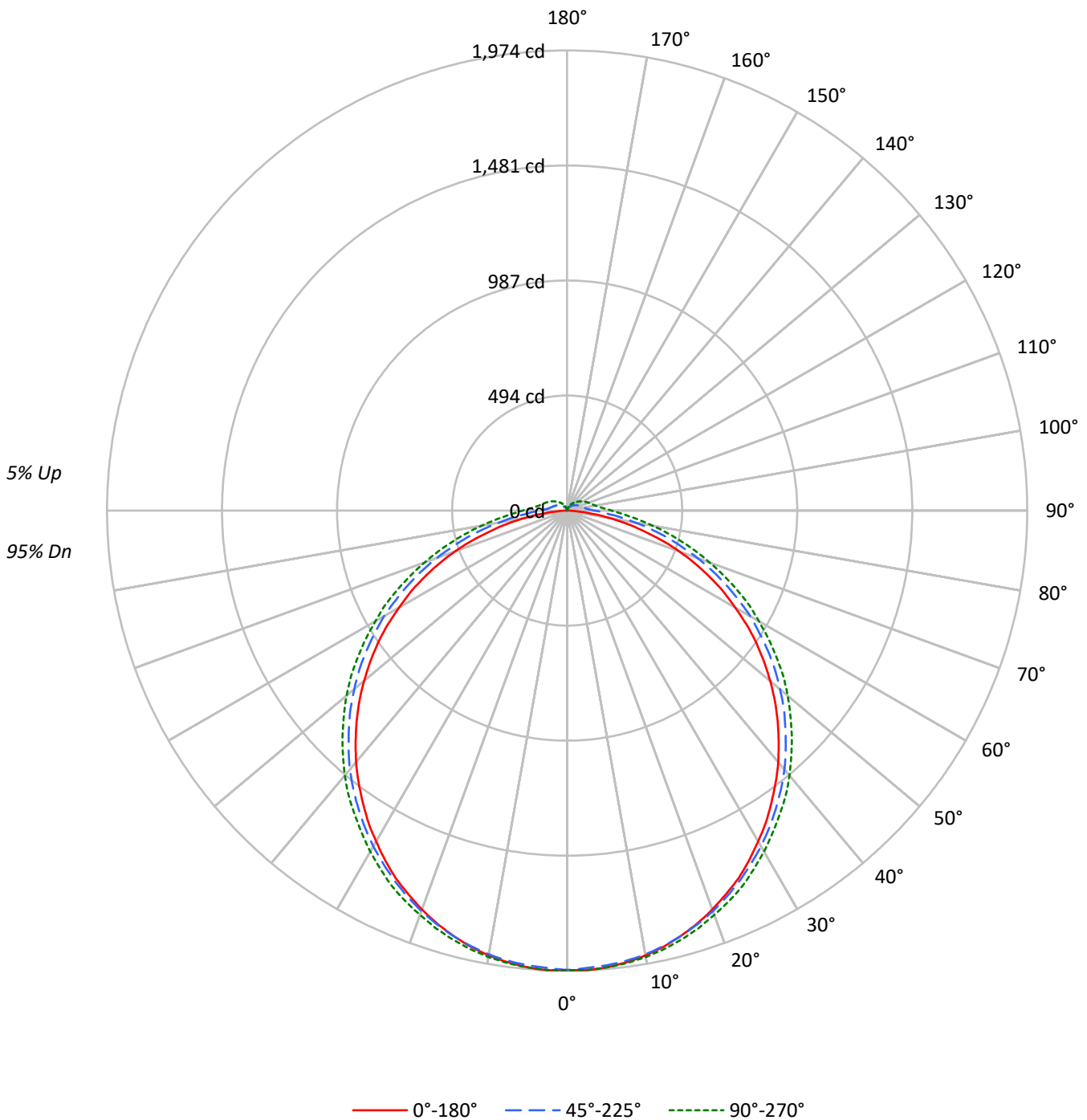
Lumens per Lamp: N/A  
Luminaire Lumens: 6144.0 lumens  
Efficiency: N/A  
Efficacy: 122.9 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.27 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 3.71' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 50  
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	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°	6890	6890	6890
5°	6873	6765	6781
10°	6823	6654	6662
15°	6750	6526	6531
20°	6662	6390	6389
25°	6572	6241	6261
30°	6444	6089	6097
35°	6318	5927	5934
40°	6191	5760	5778
45°	6037	5561	5593
50°	5863	5352	5400
55°	5666	5119	5167
60°	5393	4855	4900
65°	5087	4498	4616
70°	4647	4094	4250
75°	3931	3601	3859
80°	2970	2986	3462
85°	1569	2443	3161



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	186.7	3.0
10°-20°	534.5	8.7
20°-30°	809.3	13.2
30°-40°	977.2	15.9
40°-50°	1020.9	16.6
50°-60°	937.7	15.3
60°-70°	737.8	12.0
70°-80°	459.4	7.5
80°-90°	200.8	3.3
90°-100°	90.4	1.5
100°-110°	64.2	1.0
110°-120°	48.1	0.8
120°-130°	34.3	0.6
130°-140°	22.3	0.4
140°-150°	12.6	0.2
150°-160°	5.8	0.1
160°-170°	1.8	0.0
170°-180°	0.2	0.0
0°-30°	1530.6	24.9
0°-40°	2507.8	40.8
0°-60°	4466.3	72.7
0°-90°	5864.3	95.4
90°-120°	202.7	3.3
90°-150°	271.9	4.4
90°-180°	280.0	4.6
0°-180°	6144.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1971	1971	1971	1971	1971	
5°	1966	1966	1958	1966	1967	187
15°	1888	1891	1889	1901	1904	533
25°	1740	1744	1752	1770	1778	801
35°	1528	1541	1561	1583	1590	957
45°	1277	1296	1324	1350	1363	985
55°	991	1018	1052	1085	1096	884
65°	675	705	750	788	803	668
75°	341	383	443	486	504	364
85°	60	112	184	244	263	76
90°	1	49	117	170	190	3
95°	0	32	85	129	146	0
105°	1	25	64	97	109	1
115°	1	20	51	78	88	1
125°	1	16	41	60	69	1
135°	1	12	30	46	51	1
145°	1	8	20	32	36	1
155°	1	6	12	19	22	0
165°	2	3	6	8	11	0
175°	2	2	2	2	2	0
180°	1	1	1	1	1	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1971.1	1971.1	1971.1	1971.1	1971.1
2.5°	1974.2	1972.7	1963.4	1971.9	1972.7
5°	1966.5	1966.5	1957.9	1965.7	1967.2
7.5°	1954.1	1954.8	1947.9	1957.2	1957.9
10°	1937.8	1937.8	1933.2	1942.5	1944.8
12.5°	1916.1	1916.9	1913.0	1923.9	1926.2
15°	1888.2	1890.6	1889.0	1901.4	1903.7
17.5°	1857.3	1860.4	1860.4	1874.3	1877.4
20°	1820.9	1825.5	1828.6	1844.1	1845.6
22.5°	1780.6	1786.8	1791.4	1809.2	1813.9
25°	1740.3	1744.2	1751.9	1770.5	1778.3
27.5°	1690.7	1698.5	1708.6	1728.7	1734.1
30°	1638.8	1649.7	1662.9	1684.5	1689.2
32.5°	1587.0	1597.0	1614.1	1635.0	1639.6
35°	1528.1	1541.3	1561.4	1583.1	1590.1
37.5°	1470.0	1485.5	1506.4	1528.9	1540.5
40°	1408.8	1424.3	1449.9	1471.6	1483.9
42.5°	1343.0	1361.6	1387.9	1414.2	1423.5
45°	1277.2	1296.5	1324.4	1350.0	1363.1
47.5°	1209.0	1230.7	1260.9	1286.4	1298.8
50°	1137.0	1162.5	1192.0	1222.2	1235.3
52.5°	1064.9	1089.7	1124.6	1157.1	1168.7
55°	990.6	1017.7	1052.5	1085.1	1095.9
57.5°	913.9	939.5	977.4	1011.5	1023.9
60°	832.6	865.1	907.7	939.5	949.5
62.5°	757.5	785.3	827.2	863.6	881.4
65°	675.4	704.8	750.5	788.4	803.2
67.5°	593.3	622.7	673.8	711.8	725.7
70°	511.9	540.6	595.6	634.3	649.8
72.5°	426.0	460.8	513.5	560.7	577.0
75°	340.8	382.6	443.0	486.4	504.2
77.5°	264.1	305.2	367.1	418.2	436.8
80°	185.9	230.0	297.4	349.3	371.8
82.5°	116.9	165.7	237.8	293.5	312.9
85°	59.6	111.5	184.3	244.0	263.3
87.5°	17.8	72.0	147.2	202.1	222.3
90°	0.8	48.8	116.9	170.4	190.5
92.5°	0.8	37.2	97.6	145.6	164.2
95°	0.0	32.5	85.2	128.6	146.4
97.5°	0.0	30.2	78.2	116.9	132.4
100°	0.0	27.9	72.8	109.2	123.1
102.5°	0.8	26.3	68.2	103.0	115.4
105°	0.8	24.8	64.3	96.8	109.2
107.5°	0.8	23.2	61.2	92.2	103.8
110°	0.8	22.5	58.1	86.7	98.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.8	20.9	54.2	82.1	92.9
115°	0.8	20.1	51.1	77.5	87.5
117.5°	0.8	19.4	48.8	72.8	82.9
120°	0.8	18.6	45.7	68.9	78.2
122.5°	0.8	17.0	43.4	64.3	72.8
125°	0.8	16.3	41.0	60.4	68.9
127.5°	0.8	15.5	38.0	56.5	64.3
130°	0.8	13.9	35.6	53.4	59.6
132.5°	0.8	13.2	33.3	49.6	55.8
135°	0.8	12.4	30.2	45.7	51.1
137.5°	0.8	10.8	27.9	42.6	47.2
140°	0.8	10.1	25.6	38.7	43.4
142.5°	0.8	9.3	22.5	35.6	39.5
145°	0.8	8.5	20.1	32.5	35.6
147.5°	0.8	7.7	17.8	29.4	32.5
150°	0.8	7.0	16.3	26.3	28.7
152.5°	0.8	6.2	13.9	22.5	25.6
155°	0.8	6.2	12.4	19.4	22.5
157.5°	1.5	5.4	10.8	16.3	19.4
160°	0.8	4.6	8.5	13.2	16.3
162.5°	1.5	3.9	7.7	10.8	13.9
165°	1.5	3.1	6.2	8.5	10.8
167.5°	1.5	2.3	4.6	6.2	8.5
170°	1.5	2.3	3.9	4.6	6.2
172.5°	1.5	1.5	2.3	3.1	3.9
175°	1.5	1.5	1.5	1.5	1.5
177.5°	1.5	1.5	0.8	0.8	0.8
180°	0.8	0.8	0.8	0.8	0.8

(END OF REPORT)