

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: P709735

Luminaire Tested: **4AWS-L3C3-UNV-4000K-HI**

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709735
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-UNV-4000K-HI
Description: 4foot, Adapt Surface Wrap with, RD lens and HI lumen setting,
4000K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

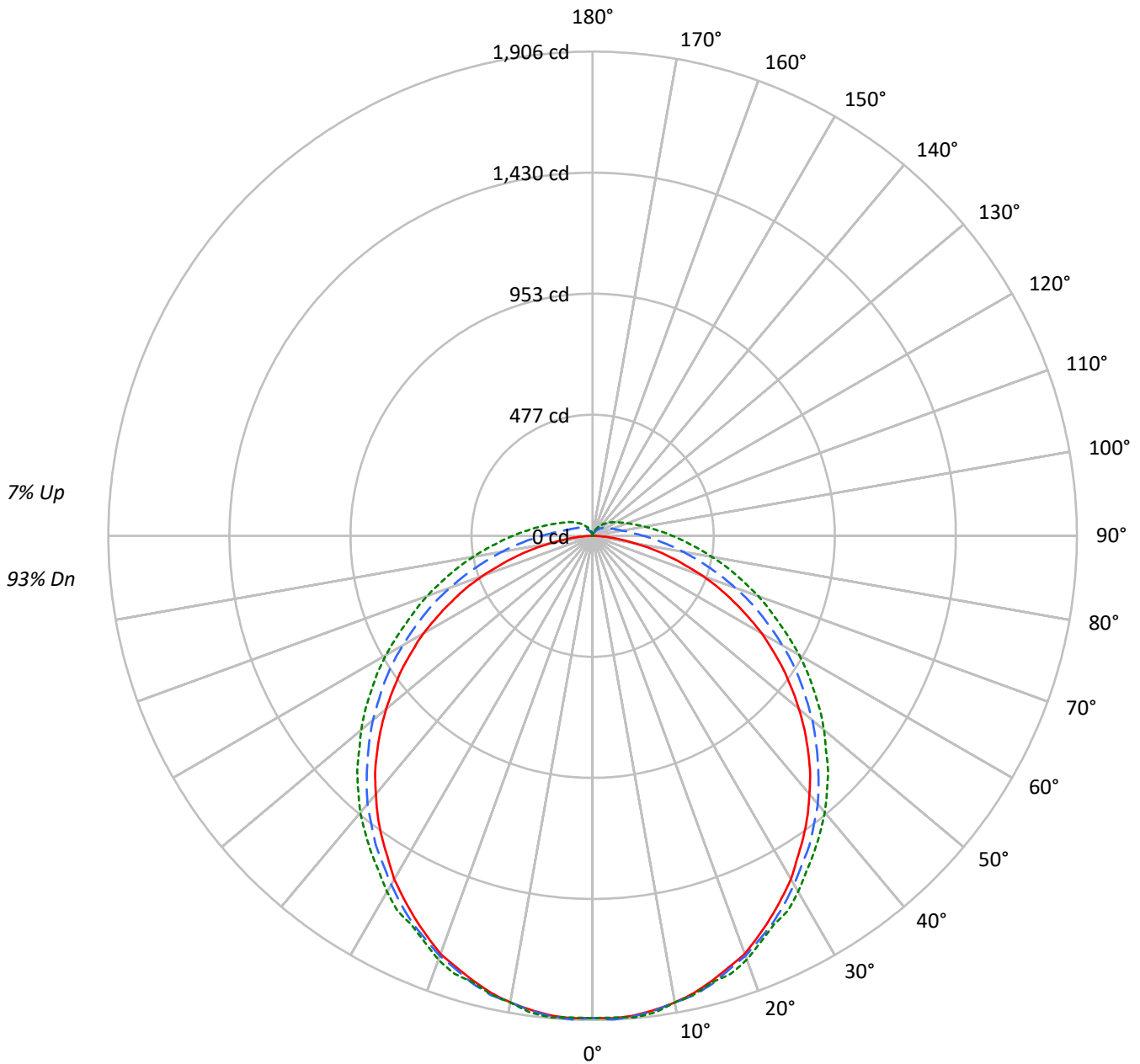
Lumens per Lamp: N/A
Luminaire Lumens: 6148.0 lumens
Efficiency: N/A
Efficacy: 133.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 3.71' x H: 0.12')
CIE Type: Direct

Input Watts (W): 46
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: P709735

CATALOG NUMBER: 4AWS-L3C3-UNV-4000K-HI

Luminous Intensity Polar Plot





TEST NUMBER: P709735

CATALOG NUMBER: 4AWS-L3C3-UNV-4000K-HI

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°	11972	11972	11972
5°	11967	11803	11783
10°	11880	11526	11422
15°	11742	11288	11103
20°	11617	10980	10885
25°	11372	10664	10478
30°	11160	10312	10241
35°	10892	10001	9897
40°	10637	9669	9607
45°	10361	9262	9272
50°	10020	8879	8895
55°	9632	8467	8519
60°	9193	8001	8152
65°	8538	7529	7729
70°	7784	6996	7448
75°	6682	6463	7152
80°	5092	6038	6971
85°	3017	5781	7017



TEST NUMBER: P709735

CATALOG NUMBER: 4AWS-L3C3-UNV-4000K-HI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.1	2.9
10°-20°	513.8	8.4
20°-30°	773.1	12.6
30°-40°	928.4	15.1
40°-50°	966.8	15.7
50°-60°	888.3	14.4
60°-70°	713.4	11.6
70°-80°	486.4	7.9
80°-90°	276.4	4.5
90°-100°	154.8	2.5
100°-110°	98.0	1.6
110°-120°	66.9	1.1
120°-130°	45.9	0.7
130°-140°	29.2	0.5
140°-150°	16.3	0.3
150°-160°	7.4	0.1
160°-170°	2.3	0.0
170°-180°	0.3	0.0
0°-30°	1467.0	23.9
0°-40°	2395.5	39.0
0°-60°	4250.6	69.1
0°-90°	5726.8	93.1
90°-120°	319.7	5.2
90°-150°	411.1	6.7
90°-180°	421.0	6.8
0°-180°	6148.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1898	1898	1898	1898	1898	
5°	1895	1898	1898	1901	1904	180
15°	1814	1811	1825	1830	1819	512
25°	1659	1659	1680	1697	1689	765
35°	1447	1455	1488	1509	1520	905
45°	1199	1213	1254	1292	1311	925
55°	916	944	998	1044	1063	818
65°	612	658	729	783	808	607
75°	307	372	470	549	579	325
85°	57	147	269	356	386	70
90°	3	87	198	280	313	3
95°	0	54	150	226	253	0
105°	0	35	95	150	171	0
115°	0	27	71	109	122	0
125°	3	19	54	82	92	1
135°	3	16	41	60	68	2
145°	3	11	27	41	44	2
155°	3	8	16	24	27	1
165°	3	5	8	11	14	1
175°	3	3	3	3	3	0
180°	3	3	3	3	3	



TEST NUMBER: P709735

CATALOG NUMBER: 4AWS-L3C3-UNV-4000K-HI

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1898.1	1898.1	1898.1	1898.1	1898.1
2.5°	1900.8	1898.1	1906.2	1903.5	1898.1
5°	1895.4	1898.1	1898.1	1900.8	1903.5
7.5°	1881.8	1876.3	1884.5	1892.6	1892.6
10°	1865.5	1860.0	1865.5	1870.9	1865.5
12.5°	1843.7	1832.8	1851.9	1851.9	1849.1
15°	1813.8	1811.1	1824.7	1830.1	1819.2
17.5°	1781.2	1789.3	1789.3	1800.2	1808.3
20°	1751.2	1745.8	1759.4	1767.6	1775.7
22.5°	1705.0	1702.3	1718.6	1732.2	1729.5
25°	1658.8	1658.8	1680.5	1696.9	1688.7
27.5°	1609.8	1609.8	1634.3	1650.6	1664.2
30°	1560.9	1566.3	1585.4	1607.1	1618.0
32.5°	1501.1	1514.7	1533.7	1563.6	1566.3
35°	1446.7	1454.8	1487.5	1509.2	1520.1
37.5°	1389.6	1392.3	1430.4	1460.3	1471.1
40°	1327.0	1332.5	1378.7	1405.9	1422.2
42.5°	1267.2	1272.6	1316.1	1351.5	1365.1
45°	1199.2	1212.8	1253.6	1291.7	1310.7
47.5°	1131.2	1150.3	1191.1	1234.6	1245.4
50°	1060.5	1079.6	1128.5	1163.9	1188.3
52.5°	987.1	1011.6	1060.5	1106.8	1128.5
55°	916.4	943.6	998.0	1044.2	1063.3
57.5°	840.3	872.9	932.7	981.7	1003.4
60°	769.6	796.8	862.0	913.7	938.2
62.5°	688.0	723.3	794.0	851.1	872.9
65°	611.8	658.1	728.8	783.2	807.6
67.5°	538.4	584.7	663.5	720.6	750.5
70°	459.6	511.2	595.5	660.8	693.4
72.5°	378.0	437.8	533.0	606.4	633.6
75°	307.3	372.5	470.4	549.3	579.2
77.5°	236.6	304.6	413.3	494.9	527.5
80°	165.9	242.0	361.7	446.0	475.9
82.5°	108.8	193.1	312.7	397.0	429.7
85°	57.1	146.8	269.2	356.2	386.1
87.5°	19.0	111.5	231.1	318.2	348.1
90°	2.7	87.0	198.5	280.1	312.7
92.5°	0.0	68.0	171.3	252.9	282.8
95°	0.0	54.4	149.6	225.7	252.9
97.5°	0.0	46.2	133.2	201.2	231.1
100°	0.0	40.8	116.9	182.2	206.7
102.5°	0.0	38.1	106.1	163.2	187.6
105°	0.0	35.4	95.2	149.6	171.3



TEST NUMBER: P709735

CATALOG NUMBER: 4AWS-L3C3-UNV-4000K-HI

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	27.2	76.1	116.9	133.2
115°	0.0	27.2	70.7	108.8	122.4
117.5°	0.0	24.5	68.0	100.6	114.2
120°	0.0	21.8	62.5	95.2	108.8
122.5°	0.0	21.8	57.1	89.7	100.6
125°	2.7	19.0	54.4	81.6	92.5
127.5°	2.7	19.0	51.7	76.1	87.0
130°	2.7	16.3	46.2	70.7	78.9
132.5°	2.7	16.3	43.5	65.3	73.4
135°	2.7	16.3	40.8	59.8	68.0
137.5°	2.7	13.6	35.4	54.4	62.5
140°	2.7	13.6	32.6	48.9	57.1
142.5°	2.7	13.6	29.9	43.5	51.7
145°	2.7	10.9	27.2	40.8	43.5
147.5°	2.7	10.9	24.5	35.4	40.8
150°	2.7	8.2	21.8	29.9	35.4
152.5°	2.7	8.2	19.0	27.2	29.9
155°	2.7	8.2	16.3	24.5	27.2
157.5°	2.7	8.2	13.6	21.8	21.8
160°	2.7	5.4	10.9	16.3	19.0
162.5°	2.7	5.4	10.9	13.6	16.3
165°	2.7	5.4	8.2	10.9	13.6
167.5°	2.7	2.7	5.4	8.2	10.9
170°	2.7	2.7	5.4	5.4	8.2
172.5°	2.7	2.7	2.7	2.7	5.4
175°	2.7	2.7	2.7	2.7	2.7
177.5°	2.7	2.7	2.7	0.0	0.0
180°	2.7	2.7	2.7	2.7	2.7



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	32.6	89.7	136.0	157.7
110°	0.0	29.9	81.6	125.1	144.1



(END OF REPORT)