

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: P709894

Luminaire Tested: **8AWWS-L3C3-UNV-3500K-HI**

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709894
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: 8AWWS-L3C3-UNV-3500K-HI
Description: 8foot, Wide Adapt Surface Wrap with, RD lens and HI lumen setting,
3500K, 80CRI

Light Source: -
Ballast/Driver: -

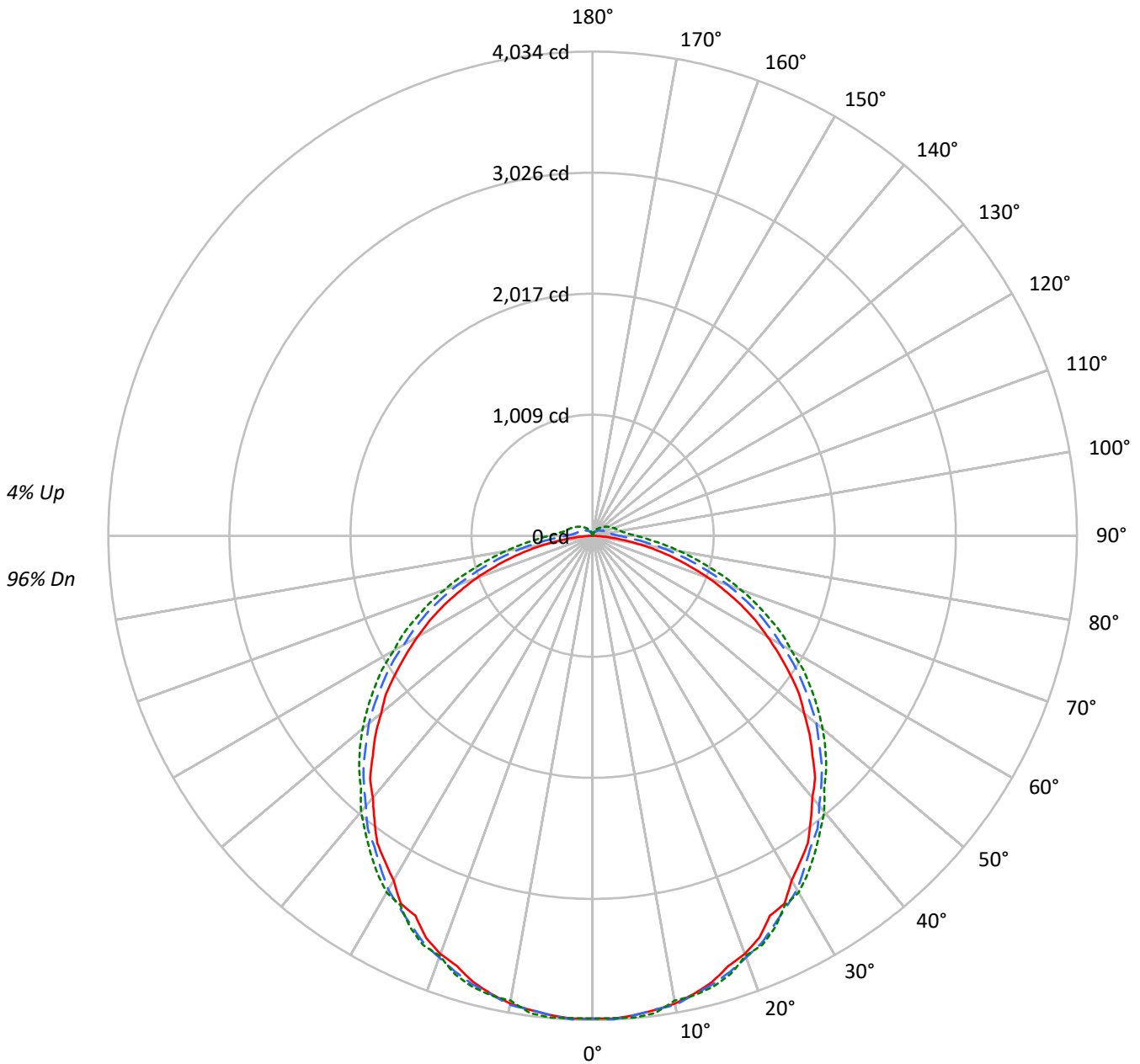
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12404.0 lumens
Efficiency: N/A
Efficacy: 141.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.27 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 7.42' x H: 0.17')
CIE Type: Direct

Input Watts (W): 88
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: P709894
CATALOG NUMBER: 8AWWS-L3C3-UNV-3500K-HI

Luminous Intensity Polar Plot





TEST NUMBER: P709894

CATALOG NUMBER: 8AWWS-L3C3-UNV-3500K-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 | 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° | 7029 | 7029 | 7029 |
| 5° | 7020 | 6937 | 6945 |
| 10° | 6994 | 6850 | 6736 |
| 15° | 6920 | 6710 | 6670 |
| 20° | 6838 | 6570 | 6444 |
| 25° | 6665 | 6418 | 6334 |
| 30° | 6604 | 6286 | 6195 |
| 35° | 6565 | 6071 | 6022 |
| 40° | 6375 | 5902 | 5843 |
| 45° | 6257 | 5745 | 5644 |
| 50° | 6086 | 5549 | 5466 |
| 55° | 5915 | 5286 | 5240 |
| 60° | 5655 | 4961 | 4933 |
| 65° | 5374 | 4675 | 4659 |
| 70° | 4945 | 4244 | 4287 |
| 75° | 4291 | 3709 | 3828 |
| 80° | 3341 | 3119 | 3418 |
| 85° | 1923 | 2534 | 3050 |



TEST NUMBER: P709894

CATALOG NUMBER: 8AWWS-L3C3-UNV-3500K-HI

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 381.7 | 3.1 |
| 10°-20° | 1090.9 | 8.8 |
| 20°-30° | 1646.0 | 13.3 |
| 30°-40° | 1986.6 | 16.0 |
| 40°-50° | 2070.3 | 16.7 |
| 50°-60° | 1897.6 | 15.3 |
| 60°-70° | 1488.1 | 12.0 |
| 70°-80° | 919.9 | 7.4 |
| 80°-90° | 390.1 | 3.1 |
| 90°-100° | 170.8 | 1.4 |
| 100°-110° | 121.2 | 1.0 |
| 110°-120° | 91.0 | 0.7 |
| 120°-130° | 64.9 | 0.5 |
| 130°-140° | 42.8 | 0.3 |
| 140°-150° | 25.3 | 0.2 |
| 150°-160° | 12.1 | 0.1 |
| 160°-170° | 4.0 | 0.0 |
| 170°-180° | 0.6 | 0.0 |
| <hr/> | | |
| 0°-30° | 3118.7 | 25.1 |
| 0°-40° | 5105.3 | 41.2 |
| 0°-60° | 9073.2 | 73.1 |
| 0°-90° | 11871.3 | 95.7 |
| 90°-120° | 383.0 | 3.1 |
| 90°-150° | 516.1 | 4.2 |
| 90°-180° | 533.0 | 4.3 |
| 0°-180° | 12404.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 4022 | 4022 | 4022 | 4022 | 4022 | |
| 5° | 4010 | 4018 | 4010 | 4010 | 4030 | 381 |
| 15° | 3848 | 3856 | 3868 | 3880 | 3888 | 1084 |
| 25° | 3493 | 3554 | 3578 | 3582 | 3598 | 1625 |
| 35° | 3126 | 3138 | 3166 | 3219 | 3227 | 1944 |
| 45° | 2590 | 2622 | 2698 | 2739 | 2751 | 2000 |
| 55° | 2005 | 2057 | 2134 | 2178 | 2222 | 1791 |
| 65° | 1363 | 1416 | 1521 | 1581 | 1622 | 1345 |
| 75° | 690 | 762 | 879 | 976 | 1000 | 733 |
| 85° | 121 | 218 | 359 | 464 | 508 | 154 |
| 90° | 8 | 93 | 222 | 319 | 359 | 8 |
| 95° | 0 | 60 | 161 | 242 | 278 | 0 |
| 105° | 0 | 44 | 121 | 186 | 210 | 0 |
| 115° | 0 | 36 | 97 | 149 | 169 | 0 |
| 125° | 0 | 32 | 77 | 113 | 133 | 0 |
| 135° | 0 | 24 | 60 | 85 | 101 | 0 |
| 145° | 4 | 20 | 44 | 60 | 69 | 2 |
| 155° | 4 | 12 | 28 | 40 | 44 | 2 |
| 165° | 4 | 8 | 12 | 20 | 20 | 1 |
| 175° | 4 | 4 | 4 | 4 | 8 | 0 |
| 180° | 4 | 4 | 4 | 4 | 4 | |



TEST NUMBER: P709894

CATALOG NUMBER: 8AWWS-L3C3-UNV-3500K-HI

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|--------|--------|--------|--------|--------|
| 0° | 4021.6 | 4021.6 | 4021.6 | 4021.6 | 4021.6 |
| 2.5° | 4025.6 | 4041.7 | 4033.7 | 4025.6 | 4021.6 |
| 5° | 4009.5 | 4017.5 | 4009.5 | 4009.5 | 4029.6 |
| 7.5° | 3985.3 | 3997.4 | 3981.2 | 4005.4 | 4009.5 |
| 10° | 3957.0 | 3973.1 | 3969.1 | 3977.2 | 3932.8 |
| 12.5° | 3908.6 | 3928.8 | 3912.6 | 3932.8 | 3920.7 |
| 15° | 3848.1 | 3856.2 | 3868.3 | 3880.4 | 3888.4 |
| 17.5° | 3759.4 | 3795.7 | 3807.8 | 3819.9 | 3827.9 |
| 20° | 3706.9 | 3727.1 | 3739.2 | 3735.2 | 3723.1 |
| 22.5° | 3626.3 | 3638.4 | 3674.7 | 3666.6 | 3690.8 |
| 25° | 3493.1 | 3553.6 | 3577.9 | 3581.9 | 3598.0 |
| 27.5° | 3456.8 | 3460.9 | 3489.1 | 3513.3 | 3468.9 |
| 30° | 3315.7 | 3364.1 | 3404.4 | 3416.5 | 3432.6 |
| 32.5° | 3218.9 | 3259.2 | 3283.4 | 3327.8 | 3335.8 |
| 35° | 3126.1 | 3138.2 | 3166.4 | 3218.9 | 3226.9 |
| 37.5° | 2984.9 | 3021.2 | 3077.7 | 3105.9 | 3109.9 |
| 40° | 2847.8 | 2892.1 | 2936.5 | 2968.8 | 3001.0 |
| 42.5° | 2742.9 | 2767.1 | 2819.5 | 2859.9 | 2855.8 |
| 45° | 2589.6 | 2621.9 | 2698.5 | 2738.9 | 2751.0 |
| 47.5° | 2452.5 | 2500.9 | 2557.3 | 2617.8 | 2629.9 |
| 50° | 2299.2 | 2351.6 | 2432.3 | 2476.7 | 2500.9 |
| 52.5° | 2170.1 | 2202.4 | 2283.0 | 2327.4 | 2363.7 |
| 55° | 2004.7 | 2057.2 | 2133.8 | 2178.2 | 2222.5 |
| 57.5° | 1843.4 | 1907.9 | 1984.6 | 2057.2 | 2081.4 |
| 60° | 1682.0 | 1746.6 | 1815.1 | 1895.8 | 1912.0 |
| 62.5° | 1528.8 | 1597.3 | 1669.9 | 1750.6 | 1782.9 |
| 65° | 1363.4 | 1415.8 | 1520.7 | 1581.2 | 1621.5 |
| 67.5° | 1189.9 | 1254.5 | 1355.3 | 1423.9 | 1472.3 |
| 70° | 1028.6 | 1101.2 | 1198.0 | 1282.7 | 1310.9 |
| 72.5° | 851.1 | 939.8 | 1032.6 | 1121.4 | 1161.7 |
| 75° | 689.8 | 762.4 | 879.3 | 976.1 | 1000.3 |
| 77.5° | 536.5 | 605.0 | 730.1 | 826.9 | 863.2 |
| 80° | 375.1 | 459.8 | 592.9 | 689.8 | 734.1 |
| 82.5° | 238.0 | 326.7 | 463.9 | 568.7 | 617.1 |
| 85° | 121.0 | 217.8 | 359.0 | 463.9 | 508.2 |
| 87.5° | 40.3 | 137.1 | 274.3 | 383.2 | 427.6 |
| 90° | 8.1 | 92.8 | 221.9 | 318.7 | 359.0 |
| 92.5° | 0.0 | 68.6 | 185.5 | 274.3 | 310.6 |
| 95° | 0.0 | 60.5 | 161.3 | 242.0 | 278.3 |
| 97.5° | 0.0 | 56.5 | 149.2 | 221.9 | 250.1 |
| 100° | 0.0 | 52.4 | 137.1 | 205.7 | 234.0 |
| 102.5° | 0.0 | 48.4 | 129.1 | 193.6 | 221.9 |
| 105° | 0.0 | 44.4 | 121.0 | 185.5 | 209.8 |



TEST NUMBER: P709894

CATALOG NUMBER: 8AWWS-L3C3-UNV-3500K-HI

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|-----|-------|-------|-------|-------|
| 112.5° | 0.0 | 40.3 | 104.9 | 153.3 | 177.5 |
| 115° | 0.0 | 36.3 | 96.8 | 149.2 | 169.4 |
| 117.5° | 0.0 | 36.3 | 92.8 | 137.1 | 157.3 |
| 120° | 0.0 | 32.3 | 84.7 | 129.1 | 149.2 |
| 122.5° | 0.0 | 32.3 | 80.7 | 125.0 | 141.2 |
| 125° | 0.0 | 32.3 | 76.6 | 112.9 | 133.1 |
| 127.5° | 0.0 | 28.2 | 72.6 | 108.9 | 121.0 |
| 130° | 0.0 | 28.2 | 68.6 | 100.8 | 112.9 |
| 132.5° | 0.0 | 24.2 | 64.5 | 92.8 | 104.9 |
| 135° | 0.0 | 24.2 | 60.5 | 84.7 | 100.8 |
| 137.5° | 0.0 | 24.2 | 56.5 | 80.7 | 88.7 |
| 140° | 0.0 | 20.2 | 52.4 | 72.6 | 84.7 |
| 142.5° | 4.0 | 20.2 | 44.4 | 68.6 | 76.6 |
| 145° | 4.0 | 20.2 | 44.4 | 60.5 | 68.6 |
| 147.5° | 4.0 | 16.1 | 40.3 | 56.5 | 64.5 |
| 150° | 4.0 | 16.1 | 36.3 | 48.4 | 56.5 |
| 152.5° | 4.0 | 12.1 | 32.3 | 44.4 | 48.4 |
| 155° | 4.0 | 12.1 | 28.2 | 40.3 | 44.4 |
| 157.5° | 4.0 | 12.1 | 24.2 | 32.3 | 36.3 |
| 160° | 4.0 | 8.1 | 20.2 | 28.2 | 32.3 |
| 162.5° | 4.0 | 8.1 | 16.1 | 24.2 | 28.2 |
| 165° | 4.0 | 8.1 | 12.1 | 20.2 | 20.2 |
| 167.5° | 4.0 | 8.1 | 12.1 | 16.1 | 16.1 |
| 170° | 4.0 | 4.0 | 8.1 | 12.1 | 12.1 |
| 172.5° | 4.0 | 4.0 | 8.1 | 8.1 | 8.1 |
| 175° | 4.0 | 4.0 | 4.0 | 4.0 | 8.1 |
| 177.5° | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| 180° | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







| | | | | | |
|--------|-----|------|-------|-------|-------|
| 107.5° | 0.0 | 44.4 | 117.0 | 173.4 | 197.6 |
| 110° | 0.0 | 40.3 | 108.9 | 165.4 | 189.6 |



(END OF REPORT)