

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: P709892

Luminaire Tested: **8AWWS-L3C3-SQR-UNV-5000K-LOW**

Issue Date: 9/26/2023



Test Information

Test Method: LM-79-08
Report Number: P709892
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2307-090-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8AWWS-L3C3-SQR-UNV-5000K-LOW
Description: 8foot, Wide Adapt Surface Wrap with, SQR lens and LOW lumen setting, 5000K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

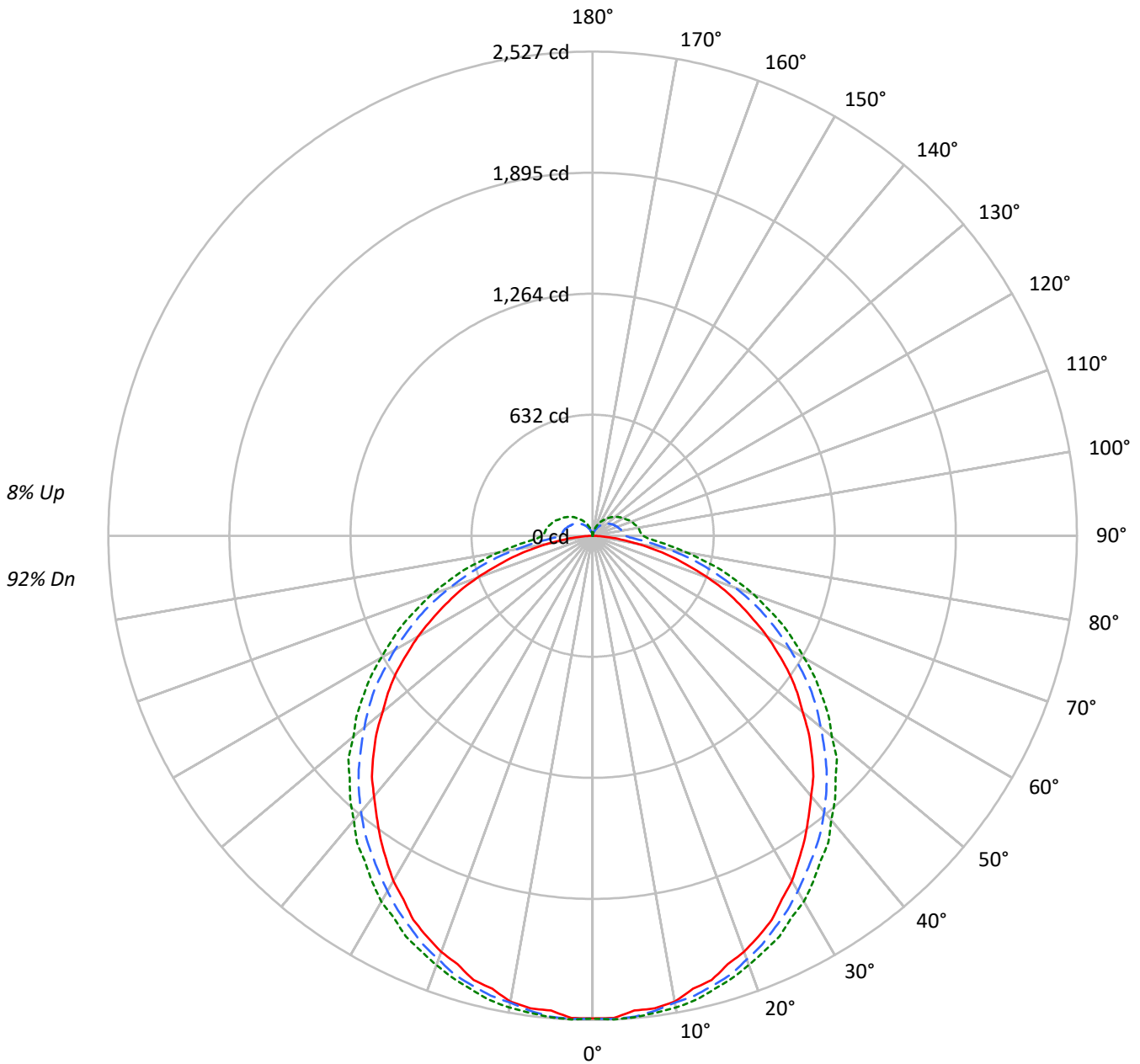
Lumens per Lamp: N/A
Luminaire Lumens: 8255.0 lumens
Efficiency: N/A
Efficacy: 144.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 7.42' x H: 0.17')
CIE Type: Direct

Input Watts (W): 57
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: P709892

CATALOG NUMBER: 8AWWS-L3C3-SQR-UNV-5000K-LOW

Luminous Intensity Polar Plot





TEST NUMBER: P709892

CATALOG NUMBER: 8AWWS-L3C3-SQR-UNV-5000K-LOW

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 | 95 | 95 | 95 | 92 | | | | | | | | | | | | | | | | | | | |
| 1 | 106 | 101 | 97 | 92 | 103 | 98 | 94 | 90 | 92 | 89 | 86 | 87 | 85 | 82 | 82 | 80 | 78 | 76 | | | | | | | | | | | | | | | | | | | |
| 2 | 96 | 88 | 81 | 75 | 93 | 85 | 79 | 73 | 80 | 75 | 70 | 76 | 71 | 68 | 72 | 68 | 65 | 62 | | | | | | | | | | | | | | | | | | | |
| 3 | 88 | 77 | 68 | 62 | 84 | 75 | 67 | 61 | 70 | 64 | 59 | 67 | 61 | 57 | 63 | 59 | 55 | 52 | | | | | | | | | | | | | | | | | | | |
| 4 | 80 | 68 | 59 | 52 | 77 | 66 | 58 | 51 | 62 | 55 | 50 | 59 | 53 | 48 | 56 | 51 | 47 | 44 | | | | | | | | | | | | | | | | | | | |
| 5 | 73 | 60 | 51 | 44 | 71 | 59 | 50 | 44 | 56 | 48 | 43 | 53 | 47 | 42 | 50 | 45 | 40 | 38 | | | | | | | | | | | | | | | | | | | |
| 6 | 68 | 54 | 45 | 39 | 65 | 53 | 44 | 38 | 50 | 43 | 37 | 48 | 41 | 36 | 46 | 40 | 35 | 33 | | | | | | | | | | | | | | | | | | | |
| 7 | 63 | 49 | 40 | 34 | 61 | 48 | 40 | 34 | 46 | 38 | 33 | 44 | 37 | 32 | 42 | 36 | 31 | 29 | | | | | | | | | | | | | | | | | | | |
| 8 | 58 | 45 | 36 | 30 | 56 | 44 | 36 | 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 | 30 | 25 | 23 | | | | | | | | | | | | | | | | | | | |
| 10 | 51 | 38 | 30 | 25 | 49 | 37 | 29 | 24 | 35 | 29 | 24 | 34 | 28 | 23 | 33 | 27 | 23 | 21 | | | | | | | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 4403 | 4403 | 4403 |
| 5° | 4355 | 4358 | 4346 |
| 10° | 4364 | 4270 | 4283 |
| 15° | 4316 | 4214 | 4203 |
| 20° | 4262 | 4133 | 4127 |
| 25° | 4222 | 4045 | 4062 |
| 30° | 4144 | 3954 | 3979 |
| 35° | 4052 | 3867 | 3867 |
| 40° | 3970 | 3778 | 3772 |
| 45° | 3909 | 3675 | 3677 |
| 50° | 3785 | 3546 | 3559 |
| 55° | 3697 | 3431 | 3446 |
| 60° | 3537 | 3258 | 3287 |
| 65° | 3334 | 3072 | 3137 |
| 70° | 3075 | 2809 | 2921 |
| 75° | 2681 | 2508 | 2671 |
| 80° | 2049 | 2100 | 2302 |
| 85° | 1260 | 1717 | 2031 |



TEST NUMBER: P709892

CATALOG NUMBER: 8AWWS-L3C3-SQR-UNV-5000K-LOW

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 238.8 | 2.9 |
| 10°-20° | 685.2 | 8.3 |
| 20°-30° | 1041.4 | 12.6 |
| 30°-40° | 1261.5 | 15.3 |
| 40°-50° | 1326.4 | 16.1 |
| 50°-60° | 1226.0 | 14.9 |
| 60°-70° | 975.8 | 11.8 |
| 70°-80° | 614.2 | 7.4 |
| 80°-90° | 266.1 | 3.2 |
| 90°-100° | 157.8 | 1.9 |
| 100°-110° | 138.9 | 1.7 |
| 110°-120° | 114.8 | 1.4 |
| 120°-130° | 87.9 | 1.1 |
| 130°-140° | 61.4 | 0.7 |
| 140°-150° | 36.3 | 0.4 |
| 150°-160° | 17.0 | 0.2 |
| 160°-170° | 5.0 | 0.1 |
| 170°-180° | 0.5 | 0.0 |
| 0°-30° | 1965.4 | 23.8 |
| 0°-40° | 3226.8 | 39.1 |
| 0°-60° | 5779.3 | 70.0 |
| 0°-90° | 7635.3 | 92.5 |
| 90°-120° | 411.5 | 5.0 |
| 90°-150° | 597.1 | 7.2 |
| 90°-180° | 620.0 | 7.5 |
| 0°-180° | 8255.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 2519 | 2519 | 2519 | 2519 | 2519 | |
| 5° | 2487 | 2508 | 2519 | 2516 | 2522 | 238 |
| 15° | 2400 | 2398 | 2429 | 2445 | 2450 | 675 |
| 25° | 2212 | 2223 | 2255 | 2297 | 2308 | 1016 |
| 35° | 1930 | 1969 | 2017 | 2067 | 2072 | 1207 |
| 45° | 1618 | 1665 | 1726 | 1776 | 1792 | 1246 |
| 55° | 1253 | 1314 | 1385 | 1446 | 1462 | 1116 |
| 65° | 846 | 917 | 999 | 1065 | 1092 | 838 |
| 75° | 431 | 510 | 595 | 664 | 698 | 455 |
| 85° | 79 | 151 | 243 | 312 | 338 | 97 |
| 90° | 3 | 77 | 169 | 235 | 262 | 4 |
| 95° | 0 | 69 | 159 | 225 | 248 | 0 |
| 105° | 0 | 63 | 145 | 204 | 227 | 0 |
| 115° | 0 | 56 | 127 | 180 | 198 | 0 |
| 125° | 3 | 45 | 108 | 153 | 169 | 1 |
| 135° | 3 | 37 | 87 | 122 | 138 | 2 |
| 145° | 0 | 24 | 63 | 90 | 100 | 1 |
| 155° | 3 | 13 | 40 | 58 | 66 | 1 |
| 165° | 3 | 5 | 16 | 26 | 32 | 1 |
| 175° | 3 | 3 | 3 | 5 | 5 | 0 |
| 180° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P709892

CATALOG NUMBER: 8AWWS-L3C3-SQR-UNV-5000K-LOW

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|--------|--------|--------|--------|--------|
| 0° | 2519.1 | 2519.1 | 2519.1 | 2519.1 | 2519.1 |
| 2.5° | 2519.1 | 2500.6 | 2524.4 | 2521.7 | 2527.0 |
| 5° | 2487.4 | 2508.5 | 2519.1 | 2516.4 | 2521.7 |
| 7.5° | 2487.4 | 2487.4 | 2500.6 | 2508.5 | 2511.2 |
| 10° | 2468.9 | 2479.4 | 2474.2 | 2487.4 | 2500.6 |
| 12.5° | 2421.3 | 2450.4 | 2458.3 | 2487.4 | 2482.1 |
| 15° | 2400.1 | 2397.5 | 2429.2 | 2445.1 | 2450.4 |
| 17.5° | 2344.6 | 2365.8 | 2400.1 | 2416.0 | 2421.3 |
| 20° | 2310.3 | 2331.4 | 2352.6 | 2386.9 | 2384.3 |
| 22.5° | 2262.7 | 2281.2 | 2310.3 | 2342.0 | 2344.6 |
| 25° | 2212.5 | 2223.0 | 2254.8 | 2297.1 | 2307.6 |
| 27.5° | 2138.5 | 2172.8 | 2201.9 | 2257.4 | 2246.8 |
| 30° | 2080.3 | 2104.1 | 2141.1 | 2194.0 | 2204.5 |
| 32.5° | 2003.6 | 2051.2 | 2077.7 | 2125.2 | 2141.1 |
| 35° | 1929.6 | 1969.3 | 2016.9 | 2067.1 | 2072.4 |
| 37.5° | 1850.3 | 1905.8 | 1953.4 | 2006.3 | 2019.5 |
| 40° | 1773.7 | 1821.3 | 1879.4 | 1927.0 | 1937.6 |
| 42.5° | 1704.9 | 1749.9 | 1805.4 | 1866.2 | 1871.5 |
| 45° | 1617.7 | 1665.3 | 1726.1 | 1776.3 | 1792.2 |
| 47.5° | 1530.5 | 1586.0 | 1638.9 | 1699.7 | 1728.7 |
| 50° | 1430.0 | 1493.5 | 1554.3 | 1615.1 | 1628.3 |
| 52.5° | 1345.5 | 1398.3 | 1472.3 | 1533.1 | 1554.3 |
| 55° | 1252.9 | 1313.7 | 1385.1 | 1445.9 | 1461.8 |
| 57.5° | 1149.8 | 1208.0 | 1284.7 | 1350.7 | 1374.5 |
| 60° | 1052.0 | 1115.5 | 1192.1 | 1258.2 | 1274.1 |
| 62.5° | 946.3 | 1017.7 | 1094.3 | 1163.1 | 1181.6 |
| 65° | 845.9 | 917.2 | 999.2 | 1065.3 | 1091.7 |
| 67.5° | 748.1 | 816.8 | 898.7 | 964.8 | 986.0 |
| 70° | 639.7 | 708.4 | 793.0 | 867.0 | 893.4 |
| 72.5° | 528.7 | 602.7 | 689.9 | 769.2 | 790.4 |
| 75° | 430.9 | 510.2 | 594.7 | 663.5 | 697.8 |
| 77.5° | 330.4 | 399.1 | 496.9 | 563.0 | 589.5 |
| 80° | 230.0 | 309.3 | 399.1 | 473.2 | 494.3 |
| 82.5° | 148.0 | 224.7 | 317.2 | 383.3 | 409.7 |
| 85° | 79.3 | 150.7 | 243.2 | 311.9 | 338.3 |
| 87.5° | 26.4 | 100.4 | 193.0 | 259.0 | 288.1 |
| 90° | 2.6 | 76.7 | 169.2 | 235.3 | 261.7 |
| 92.5° | 0.0 | 71.4 | 161.2 | 224.7 | 253.8 |
| 95° | 0.0 | 68.7 | 158.6 | 224.7 | 248.5 |
| 97.5° | 0.0 | 68.7 | 156.0 | 222.0 | 245.8 |
| 100° | 0.0 | 66.1 | 153.3 | 214.1 | 240.5 |
| 102.5° | 0.0 | 63.4 | 150.7 | 211.5 | 235.3 |
| 105° | 0.0 | 63.4 | 145.4 | 203.5 | 227.3 |



TEST NUMBER: P709892

CATALOG NUMBER: 8AWWS-L3C3-SQR-UNV-5000K-LOW

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|-----|-------|-------|-------|-------|
| 112.5° | 0.0 | 55.5 | 132.2 | 187.7 | 208.8 |
| 115° | 0.0 | 55.5 | 126.9 | 179.7 | 198.2 |
| 117.5° | 0.0 | 52.9 | 124.2 | 174.5 | 190.3 |
| 120° | 0.0 | 50.2 | 118.9 | 166.5 | 185.0 |
| 122.5° | 0.0 | 47.6 | 113.7 | 158.6 | 177.1 |
| 125° | 2.6 | 44.9 | 108.4 | 153.3 | 169.2 |
| 127.5° | 2.6 | 42.3 | 103.1 | 145.4 | 161.2 |
| 130° | 2.6 | 42.3 | 97.8 | 137.5 | 153.3 |
| 132.5° | 2.6 | 39.6 | 92.5 | 129.5 | 145.4 |
| 135° | 2.6 | 37.0 | 87.2 | 121.6 | 137.5 |
| 137.5° | 2.6 | 34.4 | 81.9 | 116.3 | 126.9 |
| 140° | 0.0 | 31.7 | 76.7 | 105.7 | 118.9 |
| 142.5° | 2.6 | 26.4 | 68.7 | 100.4 | 108.4 |
| 145° | 0.0 | 23.8 | 63.4 | 89.9 | 100.4 |
| 147.5° | 2.6 | 21.1 | 58.2 | 81.9 | 92.5 |
| 150° | 2.6 | 18.5 | 52.9 | 74.0 | 84.6 |
| 152.5° | 2.6 | 15.9 | 44.9 | 66.1 | 74.0 |
| 155° | 2.6 | 13.2 | 39.6 | 58.2 | 66.1 |
| 157.5° | 2.6 | 10.6 | 31.7 | 50.2 | 55.5 |
| 160° | 2.6 | 10.6 | 26.4 | 42.3 | 47.6 |
| 162.5° | 2.6 | 7.9 | 21.1 | 34.4 | 39.6 |
| 165° | 2.6 | 5.3 | 15.9 | 26.4 | 31.7 |
| 167.5° | 2.6 | 5.3 | 10.6 | 21.1 | 23.8 |
| 170° | 2.6 | 5.3 | 7.9 | 13.2 | 15.9 |
| 172.5° | 2.6 | 2.6 | 5.3 | 7.9 | 10.6 |
| 175° | 2.6 | 2.6 | 2.6 | 5.3 | 5.3 |
| 177.5° | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







| | | | | | |
|--------|-----|------|-------|-------|-------|
| 107.5° | 0.0 | 60.8 | 140.1 | 195.6 | 222.0 |
| 110° | 0.0 | 58.2 | 137.5 | 190.3 | 214.1 |



(END OF REPORT)