

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: P709675

Luminaire Tested: **2AWS-L3C3-SQR-UNV-5000K-HI**

Issue Date: 9/26/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P709675  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2307-090-1)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/26/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 2AWS-L3C3-SQR-UNV-5000K-HI  
Description: 2foot, Adapt Surface Wrap with, SQR lens and HI lumen setting, 5000K, 80CRI  
  
Light Source: -  
Ballast/Driver: -

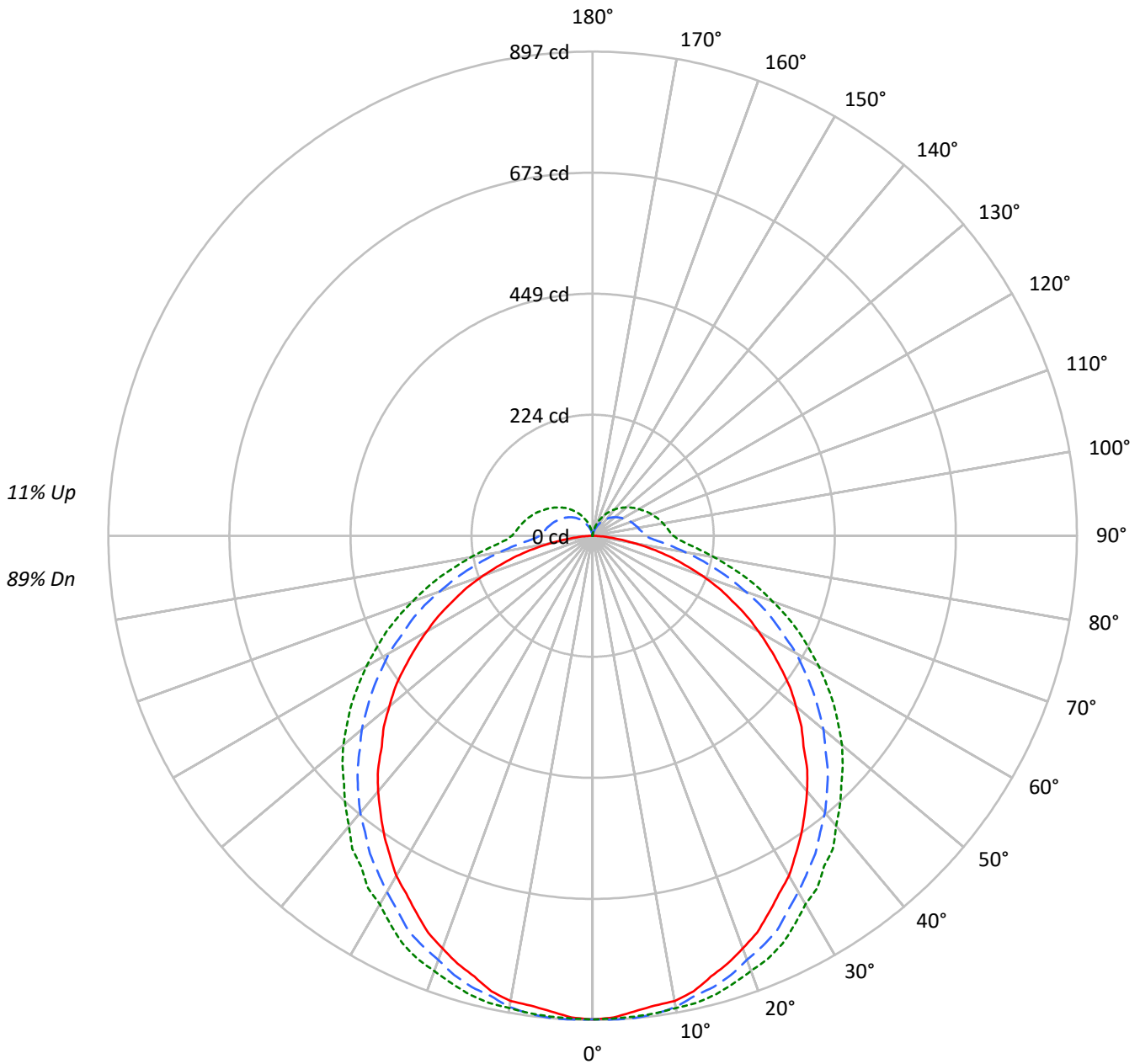
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3127.0 lumens  
Efficiency: N/A  
Efficacy: 120.3 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.31 / 1.4  
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 1.71' x H: 0.12')  
CIE Type: Semi-Direct

Input Watts (W): 26  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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 |  |  |  |  |  |  |  |  |   |
| 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   | 116 | 116 | 116 | 116 | 112 | 112 | 112 | 112 | 105 | 105 | 105 | 98 | 98 | 98 | 92 | 92 | 92 | 89 |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 1   | 105 | 100 | 95  | 91  | 101 | 96  | 92  | 88  | 90  | 87  | 83  | 84 | 82 | 79 | 79 | 77 | 75 | 72 |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 2   | 95  | 86  | 79  | 73  | 91  | 83  | 77  | 71  | 78  | 73  | 68  | 73 | 69 | 65 | 69 | 65 | 62 | 59 |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 3   | 86  | 75  | 67  | 60  | 83  | 73  | 65  | 59  | 68  | 62  | 56  | 64 | 59 | 54 | 60 | 56 | 52 | 49 |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 4   | 79  | 67  | 57  | 51  | 76  | 64  | 56  | 50  | 61  | 53  | 48  | 57 | 51 | 46 | 54 | 48 | 44 | 42 |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 5   | 72  | 59  | 50  | 43  | 69  | 57  | 49  | 43  | 54  | 47  | 41  | 51 | 45 | 40 | 48 | 43 | 38 | 36 |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 6   | 67  | 53  | 44  | 38  | 64  | 52  | 43  | 37  | 49  | 41  | 36  | 46 | 40 | 35 | 43 | 38 | 34 | 31 |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 7   | 62  | 48  | 39  | 33  | 59  | 47  | 38  | 33  | 44  | 37  | 32  | 42 | 35 | 31 | 40 | 34 | 30 | 27 |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 8   | 57  | 44  | 35  | 29  | 55  | 43  | 35  | 29  | 40  | 33  | 28  | 38 | 32 | 27 | 36 | 31 | 27 | 24 |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 9   | 54  | 40  | 32  | 26  | 52  | 39  | 31  | 26  | 37  | 30  | 25  | 35 | 29 | 25 | 34 | 28 | 24 | 22 |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 10  | 50  | 37  | 29  | 24  | 48  | 36  | 29  | 23  | 34  | 28  | 23  | 33 | 27 | 22 | 31 | 26 | 22 | 20 |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 12261 | 12261 | 12261 |
| 5°  | 12077 | 12074 | 12008 |
| 10° | 12011 | 11830 | 11802 |
| 15° | 11758 | 11538 | 11650 |
| 20° | 11547 | 11218 | 11410 |
| 25° | 11277 | 10992 | 11216 |
| 30° | 11048 | 10604 | 10827 |
| 35° | 10735 | 10318 | 10558 |
| 40° | 10426 | 9995  | 10285 |
| 45° | 9987  | 9661  | 9996  |
| 50° | 9652  | 9288  | 9788  |
| 55° | 9209  | 8886  | 9483  |
| 60° | 8668  | 8475  | 9118  |
| 65° | 8013  | 7966  | 8758  |
| 70° | 7218  | 7327  | 8255  |
| 75° | 6105  | 6637  | 7806  |
| 80° | 4402  | 5867  | 7262  |
| 85° | 2239  | 5288  | 6983  |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 85.0   | 2.7       |
| 10°-20°   | 243.8  | 7.8       |
| 20°-30°   | 369.7  | 11.8      |
| 30°-40°   | 447.5  | 14.3      |
| 40°-50°   | 471.1  | 15.1      |
| 50°-60°   | 438.8  | 14.0      |
| 60°-70°   | 357.9  | 11.4      |
| 70°-80°   | 241.3  | 7.7       |
| 80°-90°   | 129.7  | 4.1       |
| 90°-100°  | 89.9   | 2.9       |
| 100°-110° | 76.9   | 2.5       |
| 110°-120° | 62.8   | 2.0       |
| 120°-130° | 47.7   | 1.5       |
| 130°-140° | 33.0   | 1.1       |
| 140°-150° | 19.7   | 0.6       |
| 150°-160° | 9.2    | 0.3       |
| 160°-170° | 2.7    | 0.1       |
| 170°-180° | 0.3    | 0.0       |
| 0°-30°    | 698.5  | 22.3      |
| 0°-40°    | 1146.0 | 36.6      |
| 0°-60°    | 2055.9 | 65.7      |
| 0°-90°    | 2784.8 | 89.1      |
| 90°-120°  | 229.6  | 7.3       |
| 90°-150°  | 330.1  | 10.6      |
| 90°-180°  | 342.0  | 10.9      |
| 0°-180°   | 3127.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0°   | 896 | 896   | 896 | 896   | 896 |      |
| 5°   | 885 | 894   | 897 | 897   | 894 | 84   |
| 15°  | 846 | 855   | 866 | 873   | 880 | 239  |
| 25°  | 771 | 786   | 808 | 815   | 833 | 356  |
| 35°  | 674 | 690   | 719 | 740   | 748 | 422  |
| 45°  | 552 | 579   | 616 | 643   | 651 | 429  |
| 55°  | 425 | 455   | 497 | 528   | 546 | 380  |
| 65°  | 285 | 320   | 370 | 406   | 422 | 283  |
| 75°  | 146 | 184   | 235 | 273   | 291 | 154  |
| 85°  | 26  | 70    | 124 | 163   | 177 | 32   |
| 90°  | 1   | 45    | 97  | 135   | 150 | 1    |
| 95°  | 0   | 41    | 91  | 127   | 140 | 0    |
| 105° | 0   | 36    | 80  | 112   | 125 | 0    |
| 115° | 1   | 31    | 70  | 97    | 108 | 1    |
| 125° | 1   | 26    | 59  | 82    | 90  | 1    |
| 135° | 1   | 20    | 48  | 66    | 73  | 1    |
| 145° | 2   | 13    | 34  | 49    | 54  | 1    |
| 155° | 2   | 8     | 20  | 31    | 34  | 1    |
| 165° | 2   | 4     | 9   | 13    | 16  | 1    |
| 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°     | 896.0 | 896.0 | 896.0 | 896.0 | 896.0 |
| 2.5°   | 893.2 | 894.1 | 897.0 | 899.8 | 895.1 |
| 5°     | 884.6 | 894.1 | 897.0 | 897.0 | 894.1 |
| 7.5°   | 877.9 | 886.5 | 893.2 | 891.3 | 892.2 |
| 10°    | 875.1 | 879.8 | 886.5 | 891.3 | 888.4 |
| 12.5°  | 864.6 | 867.5 | 873.2 | 880.8 | 886.5 |
| 15°    | 845.6 | 855.1 | 865.5 | 873.2 | 879.8 |
| 17.5°  | 831.3 | 839.8 | 853.2 | 859.8 | 869.4 |
| 20°    | 813.2 | 822.7 | 836.0 | 850.3 | 857.9 |
| 22.5°  | 796.0 | 804.6 | 822.7 | 832.2 | 848.4 |
| 25°    | 771.3 | 786.5 | 807.5 | 815.1 | 833.2 |
| 27.5°  | 747.5 | 764.6 | 782.7 | 803.7 | 811.3 |
| 30°    | 727.5 | 739.9 | 761.8 | 779.8 | 788.4 |
| 32.5°  | 699.9 | 717.0 | 739.9 | 761.8 | 774.1 |
| 35°    | 674.2 | 690.3 | 718.9 | 739.9 | 747.5 |
| 37.5°  | 645.6 | 663.7 | 692.2 | 717.0 | 731.3 |
| 40°    | 618.0 | 638.0 | 669.4 | 693.2 | 701.8 |
| 42.5°  | 588.5 | 609.4 | 642.7 | 670.3 | 678.0 |
| 45°    | 552.3 | 578.9 | 616.1 | 642.7 | 651.3 |
| 47.5°  | 524.7 | 549.4 | 584.6 | 616.1 | 628.4 |
| 50°    | 491.3 | 518.9 | 558.0 | 586.6 | 602.7 |
| 52.5°  | 460.9 | 486.6 | 526.6 | 554.2 | 573.2 |
| 55°    | 424.7 | 455.1 | 497.0 | 528.5 | 545.6 |
| 57.5°  | 389.4 | 420.9 | 464.7 | 497.0 | 514.2 |
| 60°    | 355.2 | 387.5 | 435.2 | 467.5 | 483.7 |
| 62.5°  | 321.8 | 356.1 | 399.0 | 438.0 | 451.3 |
| 65°    | 284.7 | 319.9 | 369.5 | 405.6 | 421.8 |
| 67.5°  | 252.3 | 283.8 | 337.1 | 370.4 | 388.5 |
| 70°    | 215.2 | 252.3 | 300.9 | 339.0 | 354.2 |
| 72.5°  | 179.0 | 218.1 | 268.5 | 307.6 | 322.8 |
| 75°    | 145.7 | 183.8 | 235.2 | 273.3 | 291.4 |
| 77.5°  | 112.4 | 151.4 | 203.8 | 242.8 | 258.0 |
| 80°    | 78.1  | 120.9 | 173.3 | 212.3 | 228.5 |
| 82.5°  | 49.5  | 93.3  | 147.6 | 184.7 | 200.0 |
| 85°    | 25.7  | 70.5  | 123.8 | 162.8 | 177.1 |
| 87.5°  | 8.6   | 53.3  | 106.6 | 144.7 | 159.0 |
| 90°    | 1.0   | 44.8  | 97.1  | 135.2 | 149.5 |
| 92.5°  | 0.0   | 42.8  | 94.3  | 130.5 | 143.8 |
| 95°    | 0.0   | 40.9  | 91.4  | 126.6 | 140.0 |
| 97.5°  | 0.0   | 40.0  | 87.6  | 122.8 | 136.2 |
| 100°   | 0.0   | 38.1  | 85.7  | 120.0 | 132.4 |
| 102.5° | 0.0   | 37.1  | 82.8  | 116.2 | 128.5 |
| 105°   | 0.0   | 36.2  | 80.0  | 112.4 | 124.7 |



TEST NUMBER: P709675

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**CANDELA DISTRIBUTION (continued):**

|        | 0°  | 22.5° | 45°  | 67.5° | 90°   |
|--------|-----|-------|------|-------|-------|
| 112.5° | 1.0 | 32.4  | 72.4 | 101.9 | 112.4 |
| 115°   | 1.0 | 31.4  | 69.5 | 97.1  | 107.6 |
| 117.5° | 1.0 | 29.5  | 67.6 | 93.3  | 102.8 |
| 120°   | 1.0 | 28.6  | 64.7 | 90.5  | 99.0  |
| 122.5° | 1.0 | 27.6  | 61.9 | 85.7  | 95.2  |
| 125°   | 1.0 | 25.7  | 59.0 | 81.9  | 90.5  |
| 127.5° | 1.0 | 23.8  | 56.2 | 78.1  | 85.7  |
| 130°   | 1.0 | 22.9  | 53.3 | 73.3  | 81.9  |
| 132.5° | 1.0 | 20.9  | 50.5 | 70.5  | 77.1  |
| 135°   | 1.0 | 20.0  | 47.6 | 65.7  | 73.3  |
| 137.5° | 1.0 | 18.1  | 44.8 | 61.9  | 68.6  |
| 140°   | 1.0 | 16.2  | 40.9 | 58.1  | 63.8  |
| 142.5° | 1.0 | 15.2  | 38.1 | 53.3  | 59.0  |
| 145°   | 1.9 | 13.3  | 34.3 | 48.6  | 54.3  |
| 147.5° | 1.9 | 12.4  | 30.5 | 44.8  | 49.5  |
| 150°   | 1.9 | 10.5  | 26.7 | 40.0  | 44.8  |
| 152.5° | 1.9 | 9.5   | 23.8 | 35.2  | 40.0  |
| 155°   | 1.9 | 7.6   | 20.0 | 31.4  | 34.3  |
| 157.5° | 1.9 | 6.7   | 17.1 | 26.7  | 30.5  |
| 160°   | 1.9 | 5.7   | 14.3 | 22.9  | 25.7  |
| 162.5° | 1.9 | 4.8   | 11.4 | 18.1  | 20.9  |
| 165°   | 1.9 | 3.8   | 8.6  | 13.3  | 16.2  |
| 167.5° | 1.9 | 2.9   | 6.7  | 9.5   | 12.4  |
| 170°   | 1.9 | 2.9   | 4.8  | 6.7   | 9.5   |
| 172.5° | 1.9 | 1.9   | 2.9  | 3.8   | 5.7   |
| 175°   | 1.9 | 1.9   | 1.9  | 1.9   | 1.9   |
| 177.5° | 1.9 | 1.9   | 1.0  | 1.0   | 0.0   |
| 180°   | 1.0 | 1.0   | 1.0  | 1.0   | 1.0   |



Report Generated By 670246072 / DESKTOP-MV3F9LC







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







|        |     |      |      |       |       |
|--------|-----|------|------|-------|-------|
| 107.5° | 0.0 | 34.3 | 78.1 | 108.6 | 120.0 |
| 110°   | 1.0 | 33.3 | 75.2 | 104.7 | 116.2 |



(END OF REPORT)