

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: METALUX

Report Number: P1555018

Luminaire Tested: 22CGTS-L3C39 3500 - HIGH

Issue Date: 9/2/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1555018  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2605-799-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/2/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 22CGTS-L3C39 3500 - HIGH  
Description: OPP Panel 2x2 3500 HIGH  
  
Light Source:  
Ballast/Driver: -

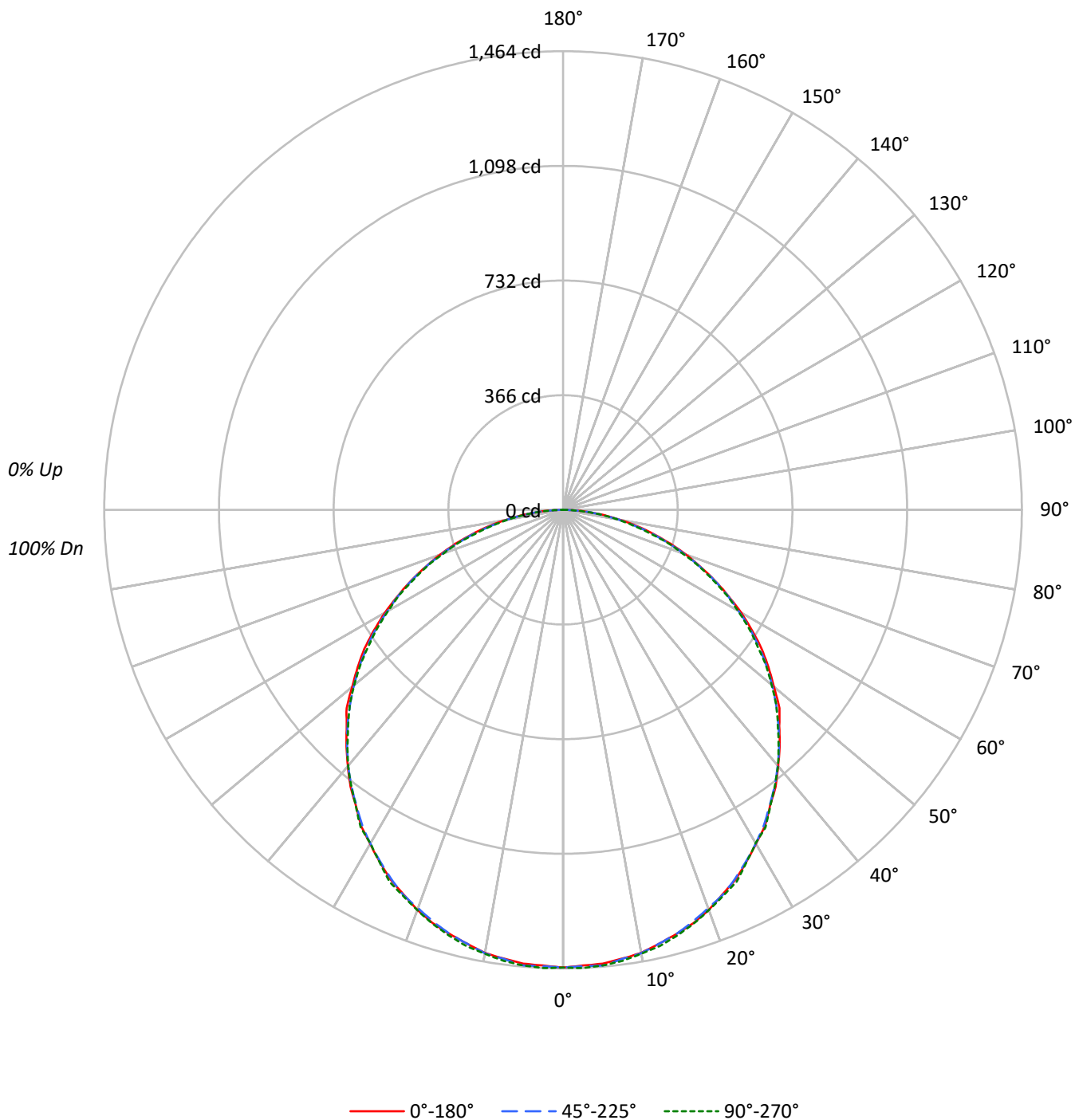
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4216.1 lumens  
Efficiency: N/A  
Efficacy: 125.5 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 33.6  
Input Voltage (V):  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor:  
Total Harmonic Distortion (THDi):  
Frequency (hertz): 60  
Stabilization Time: HR  
Operation Time: HR  
Ambient Temperature (°C): NR  
Test Distance: 24 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   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 | 102 | 102 | 100 |
| 1   | 109 | 104 | 99  | 95  | 106 | 101 | 97  | 94  | 97  | 94  | 91  |  | 93  | 90  | 88  |  | 90  | 87  | 85  | 83  |
| 2   | 99  | 90  | 83  | 77  | 96  | 88  | 82  | 76  | 85  | 79  | 75  |  | 81  | 77  | 73  |  | 78  | 75  | 71  | 69  |
| 3   | 90  | 79  | 71  | 64  | 87  | 77  | 70  | 63  | 74  | 68  | 62  |  | 72  | 66  | 61  |  | 69  | 64  | 60  | 58  |
| 4   | 82  | 70  | 61  | 54  | 80  | 69  | 60  | 54  | 66  | 59  | 53  |  | 64  | 57  | 52  |  | 61  | 56  | 52  | 49  |
| 5   | 75  | 62  | 53  | 47  | 73  | 61  | 53  | 46  | 59  | 52  | 46  |  | 57  | 50  | 45  |  | 55  | 49  | 45  | 43  |
| 6   | 70  | 56  | 47  | 41  | 68  | 55  | 47  | 40  | 53  | 46  | 40  |  | 52  | 45  | 40  |  | 50  | 44  | 39  | 37  |
| 7   | 65  | 51  | 42  | 36  | 63  | 50  | 42  | 36  | 48  | 41  | 35  |  | 47  | 40  | 35  |  | 46  | 40  | 35  | 33  |
| 8   | 60  | 46  | 38  | 32  | 58  | 46  | 37  | 32  | 44  | 37  | 32  |  | 43  | 36  | 31  |  | 42  | 36  | 31  | 29  |
| 9   | 56  | 43  | 34  | 29  | 55  | 42  | 34  | 29  | 41  | 34  | 28  |  | 40  | 33  | 28  |  | 39  | 33  | 28  | 26  |
| 10  | 53  | 39  | 31  | 26  | 51  | 39  | 31  | 26  | 38  | 31  | 26  |  | 37  | 30  | 26  |  | 36  | 30  | 26  | 24  |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 3932 | 3932 | 3932 |
| 5°  | 3928 | 3944 | 3944 |
| 10° | 3924 | 3927 | 3932 |
| 15° | 3903 | 3903 | 3920 |
| 20° | 3892 | 3875 | 3895 |
| 25° | 3866 | 3857 | 3890 |
| 30° | 3825 | 3822 | 3819 |
| 35° | 3784 | 3778 | 3788 |
| 40° | 3752 | 3745 | 3748 |
| 45° | 3714 | 3699 | 3688 |
| 50° | 3676 | 3646 | 3638 |
| 55° | 3631 | 3580 | 3552 |
| 60° | 3531 | 3482 | 3466 |
| 65° | 3407 | 3394 | 3343 |
| 70° | 3281 | 3234 | 3186 |
| 75° | 3109 | 3057 | 2963 |
| 80° | 2882 | 2789 | 2712 |
| 85° | 2532 | 2470 | 2377 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 3732 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 138.4  | 3.3       |
| 10°-20°   | 395.9  | 9.4       |
| 20°-30°   | 599.6  | 14.2      |
| 30°-40°   | 722.5  | 17.1      |
| 40°-50°   | 751.6  | 17.8      |
| 50°-60°   | 682.7  | 16.2      |
| 60°-70°   | 525.0  | 12.5      |
| 70°-80°   | 309.9  | 7.4       |
| 80°-90°   | 90.4   | 2.1       |
| 90°-100°  | 0.0    | 0.0       |
| 100°-110° | 0.0    | 0.0       |
| 110°-120° | 0.0    | 0.0       |
| 120°-130° | 0.0    | 0.0       |
| 130°-140° | 0.0    | 0.0       |
| 140°-150° | 0.0    | 0.0       |
| 150°-160° | 0.0    | 0.0       |
| 160°-170° | 0.0    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-30°    | 1133.9 | 26.9      |
| 0°-40°    | 1856.4 | 44.0      |
| 0°-60°    | 3290.7 | 78.1      |
| 0°-90°    | 4216.1 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 4216.1 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1461 | 1461  | 1461 | 1461  | 1461 |      |
| 5°  | 1454 | 1458  | 1460 | 1458  | 1460 | 138  |
| 15° | 1401 | 1406  | 1401 | 1404  | 1407 | 396  |
| 25° | 1302 | 1298  | 1299 | 1306  | 1310 | 599  |
| 35° | 1152 | 1157  | 1150 | 1156  | 1153 | 723  |
| 45° | 976  | 980   | 972  | 975   | 969  | 755  |
| 55° | 774  | 767   | 763  | 764   | 757  | 689  |
| 65° | 535  | 533   | 533  | 525   | 525  | 529  |
| 75° | 299  | 297   | 294  | 289   | 285  | 317  |
| 85° | 82   | 81    | 80   | 77    | 77   | 94   |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°   | 22.5° | 45°  | 67.5° | 90°  |
|-------|------|-------|------|-------|------|
| 0°    | 1461 | 1461  | 1461 | 1461  | 1461 |
| 2.5°  | 1456 | 1457  | 1458 | 1456  | 1464 |
| 5°    | 1454 | 1458  | 1460 | 1458  | 1460 |
| 7.5°  | 1445 | 1446  | 1446 | 1450  | 1452 |
| 10°   | 1436 | 1434  | 1437 | 1440  | 1439 |
| 12.5° | 1418 | 1418  | 1418 | 1422  | 1426 |
| 15°   | 1401 | 1406  | 1401 | 1404  | 1407 |
| 17.5° | 1383 | 1382  | 1378 | 1385  | 1385 |
| 20°   | 1359 | 1355  | 1353 | 1360  | 1360 |
| 22.5° | 1329 | 1334  | 1331 | 1331  | 1334 |
| 25°   | 1302 | 1298  | 1299 | 1306  | 1310 |
| 27.5° | 1267 | 1271  | 1265 | 1268  | 1268 |
| 30°   | 1231 | 1233  | 1230 | 1234  | 1229 |
| 32.5° | 1198 | 1198  | 1193 | 1196  | 1202 |
| 35°   | 1152 | 1157  | 1150 | 1156  | 1153 |
| 37.5° | 1114 | 1115  | 1110 | 1115  | 1110 |
| 40°   | 1068 | 1068  | 1066 | 1068  | 1067 |
| 42.5° | 1023 | 1023  | 1020 | 1022  | 1018 |
| 45°   | 976  | 980   | 972  | 975   | 969  |
| 47.5° | 937  | 928   | 922  | 925   | 923  |
| 50°   | 878  | 875   | 871  | 873   | 869  |
| 52.5° | 826  | 819   | 818  | 816   | 816  |
| 55°   | 774  | 767   | 763  | 764   | 757  |
| 57.5° | 715  | 710   | 708  | 705   | 703  |
| 60°   | 656  | 653   | 647  | 646   | 644  |
| 62.5° | 594  | 594   | 591  | 589   | 588  |
| 65°   | 535  | 533   | 533  | 525   | 525  |
| 67.5° | 474  | 474   | 472  | 465   | 468  |
| 70°   | 417  | 413   | 411  | 408   | 405  |
| 72.5° | 359  | 355   | 350  | 348   | 348  |
| 75°   | 299  | 297   | 294  | 289   | 285  |
| 77.5° | 244  | 239   | 234  | 231   | 228  |
| 80°   | 186  | 184   | 180  | 176   | 175  |
| 82.5° | 134  | 132   | 129  | 125   | 126  |
| 85°   | 82   | 81    | 80   | 77    | 77   |
| 87.5° | 36   | 35    | 34   | 32    | 33   |
| 90°   | 0    | 0     | 0    | 0     | 0    |

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**CIE UGR TABLE:**

| Reflectances:   |      |                  |      |      |      |      |                |      |      |      |      |
|-----------------|------|------------------|------|------|------|------|----------------|------|------|------|------|
| Ceiling         |      | 0.7              | 0.7  | 0.5  | 0.5  | 0.3  | 0.7            | 0.7  | 0.5  | 0.5  | 0.3  |
| Wall            |      | 0.5              | 0.3  | 0.5  | 0.3  | 0.3  | 0.5            | 0.3  | 0.5  | 0.3  | 0.3  |
| Reference plane |      | 0.2              | 0.2  | 0.2  | 0.2  | 0.2  | 0.2            | 0.2  | 0.2  | 0.2  | 0.2  |
| Room Dimensions |      | Viewed crosswise |      |      |      |      | Viewed endwise |      |      |      |      |
| X=2H            | Y=2H | 16.6             | 18.3 | 17.0 | 18.6 | 18.9 | 16.6           | 18.2 | 16.9 | 18.5 | 18.9 |
|                 | 3H   | 18.5             | 20.0 | 18.9 | 20.3 | 20.7 | 18.4           | 19.9 | 18.8 | 20.2 | 20.6 |
|                 | 4H   | 19.2             | 20.6 | 19.6 | 21.0 | 21.4 | 19.1           | 20.5 | 19.5 | 20.9 | 21.2 |
|                 | 6H   | 19.8             | 21.1 | 20.2 | 21.5 | 21.9 | 19.6           | 20.9 | 20.0 | 21.3 | 21.7 |
|                 | 8H   | 20.0             | 21.2 | 20.4 | 21.6 | 22.0 | 19.8           | 21.0 | 20.2 | 21.4 | 21.8 |
|                 | 12H  | 20.1             | 21.3 | 20.5 | 21.7 | 22.1 | 19.9           | 21.1 | 20.3 | 21.5 | 21.9 |
| 4H              | 2H   | 17.3             | 18.7 | 17.7 | 19.0 | 19.4 | 17.2           | 18.6 | 17.6 | 19.0 | 19.4 |
|                 | 3H   | 19.4             | 20.6 | 19.8 | 21.0 | 21.4 | 19.3           | 20.5 | 19.7 | 20.9 | 21.3 |
|                 | 4H   | 20.2             | 21.3 | 20.7 | 21.7 | 22.2 | 20.1           | 21.2 | 20.6 | 21.6 | 22.0 |
|                 | 6H   | 20.9             | 21.9 | 21.4 | 22.3 | 22.8 | 20.8           | 21.7 | 21.2 | 22.1 | 22.6 |
|                 | 8H   | 21.2             | 22.0 | 21.6 | 22.5 | 23.0 | 21.0           | 21.9 | 21.5 | 22.3 | 22.8 |
|                 | 12H  | 21.3             | 22.1 | 21.8 | 22.6 | 23.1 | 21.2           | 22.0 | 21.6 | 22.4 | 22.9 |
| 8H              | 4H   | 20.6             | 21.4 | 21.0 | 21.9 | 22.3 | 20.5           | 21.3 | 20.9 | 21.8 | 22.2 |
|                 | 6H   | 21.4             | 22.1 | 21.9 | 22.6 | 23.1 | 21.2           | 22.0 | 21.7 | 22.5 | 22.9 |
|                 | 8H   | 21.7             | 22.4 | 22.2 | 22.9 | 23.4 | 21.5           | 22.2 | 22.0 | 22.7 | 23.2 |
|                 | 12H  | 22.0             | 22.6 | 22.5 | 23.0 | 23.6 | 21.8           | 22.4 | 22.3 | 22.9 | 23.4 |
| 12H             | 4H   | 20.6             | 21.4 | 21.1 | 21.9 | 22.3 | 20.5           | 21.3 | 21.0 | 21.8 | 22.2 |
|                 | 6H   | 21.5             | 22.1 | 22.0 | 22.6 | 23.1 | 21.3           | 22.0 | 21.8 | 22.4 | 23.0 |
|                 | 8H   | 21.8             | 22.4 | 22.3 | 22.9 | 23.5 | 21.7           | 22.3 | 22.2 | 22.7 | 23.3 |















(END OF REPORT)