

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: P1527017

Luminaire Tested: 22CGTX-25-F125-L835

Issue Date: 8/24/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1527017  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/24/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 22CGTX-25-F125-L835  
Description: CGTX with F125 Lens Option  
  
Light Source:  
Ballast/Driver: -

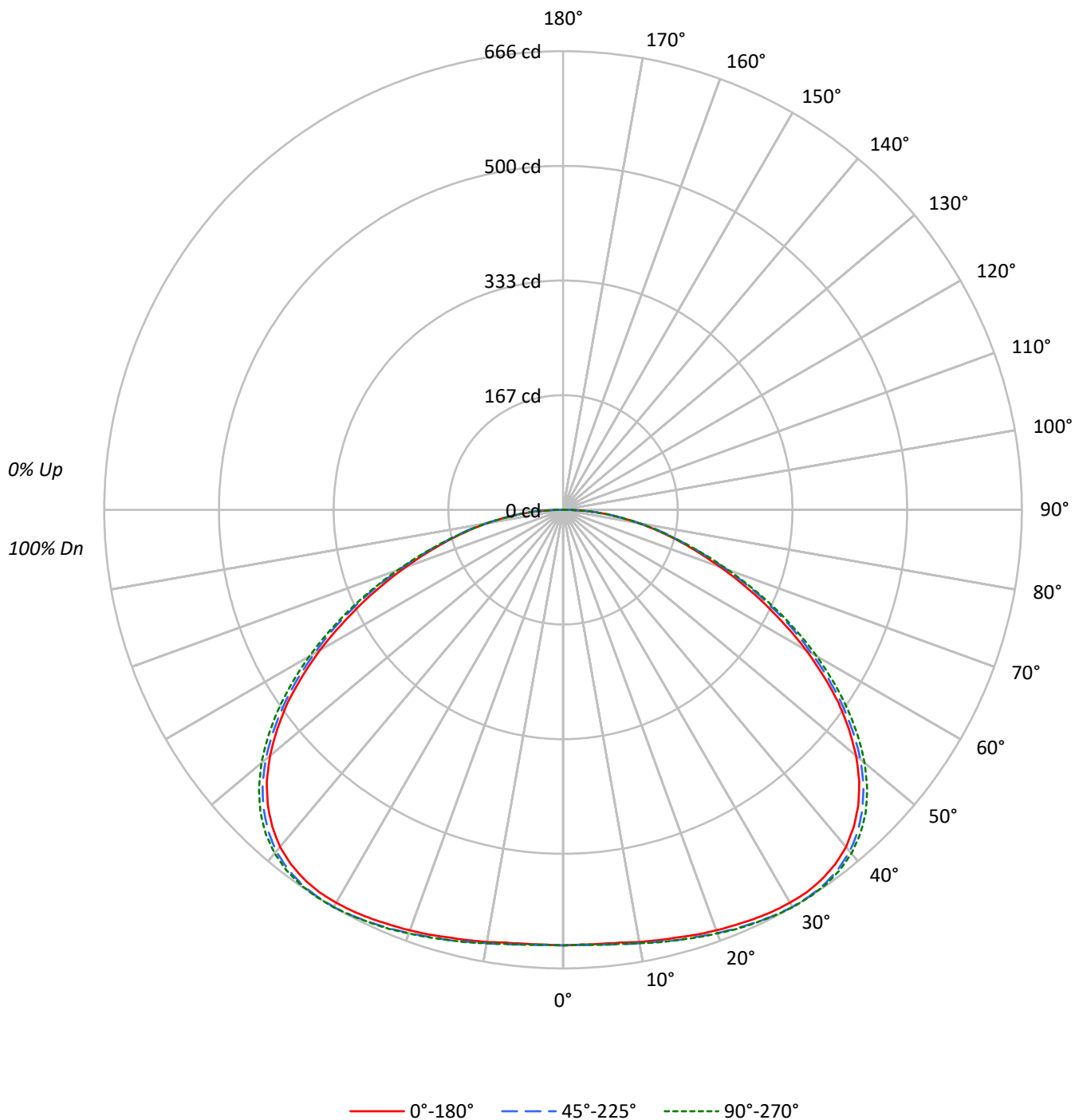
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2455.1 lumens  
Efficiency: N/A  
Efficacy: 129.9 lumens/watt  
Spacing Criteria (0/90/45): 1.56 / 1.58 / 1.65  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 18.9  
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  |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  |  | 50  | 30  | 10  |  |  | 50  | 30  | 10  |  |  | 50  |
| RCR |     |     |     |     |     |     |     |     |  |     |     |     |  |  |     |     |     |  |  |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 |  | 111 | 111 | 111 |  |  | 106 | 106 | 106 |  |  | 102 |
| 1   | 108 | 103 | 98  | 94  | 105 | 101 | 97  | 93  |  | 96  | 93  | 90  |  |  | 92  | 90  | 87  |  |  | 89  |
| 2   | 98  | 89  | 82  | 76  | 95  | 87  | 80  | 75  |  | 83  | 78  | 73  |  |  | 80  | 75  | 71  |  |  | 77  |
| 3   | 89  | 77  | 69  | 62  | 86  | 76  | 68  | 61  |  | 73  | 66  | 60  |  |  | 70  | 64  | 59  |  |  | 67  |
| 4   | 81  | 68  | 59  | 52  | 78  | 67  | 58  | 51  |  | 64  | 57  | 51  |  |  | 62  | 55  | 50  |  |  | 59  |
| 5   | 74  | 60  | 51  | 44  | 72  | 59  | 50  | 44  |  | 57  | 49  | 43  |  |  | 55  | 48  | 43  |  |  | 53  |
| 6   | 68  | 54  | 45  | 38  | 66  | 53  | 44  | 38  |  | 51  | 43  | 37  |  |  | 49  | 42  | 37  |  |  | 48  |
| 7   | 63  | 49  | 39  | 33  | 61  | 48  | 39  | 33  |  | 46  | 38  | 33  |  |  | 45  | 38  | 32  |  |  | 43  |
| 8   | 58  | 44  | 35  | 29  | 57  | 43  | 35  | 29  |  | 42  | 34  | 29  |  |  | 41  | 34  | 29  |  |  | 39  |
| 9   | 54  | 40  | 32  | 26  | 53  | 40  | 31  | 26  |  | 38  | 31  | 26  |  |  | 37  | 30  | 26  |  |  | 36  |
| 10  | 51  | 37  | 29  | 23  | 49  | 36  | 29  | 23  |  | 35  | 28  | 23  |  |  | 34  | 28  | 23  |  |  | 34  |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 1702 | 1702 | 1702 |
| 5°  | 1709 | 1712 | 1712 |
| 10° | 1741 | 1746 | 1746 |
| 15° | 1791 | 1801 | 1801 |
| 20° | 1861 | 1873 | 1875 |
| 25° | 1946 | 1963 | 1964 |
| 30° | 2047 | 2069 | 2070 |
| 35° | 2152 | 2178 | 2183 |
| 40° | 2245 | 2275 | 2288 |
| 45° | 2307 | 2339 | 2364 |
| 50° | 2323 | 2359 | 2392 |
| 55° | 2289 | 2324 | 2365 |
| 60° | 2193 | 2241 | 2289 |
| 65° | 2055 | 2131 | 2166 |
| 70° | 1911 | 1982 | 2004 |
| 75° | 1794 | 1842 | 1842 |
| 80° | 1733 | 1754 | 1740 |
| 85° | 1683 | 1741 | 1683 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 50°

Luminance: 2392 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 60.7   | 2.5       |
| 10°-20°   | 183.3  | 7.5       |
| 20°-30°   | 305.5  | 12.4      |
| 30°-40°   | 413.8  | 16.9      |
| 40°-50°   | 472.0  | 19.2      |
| 50°-60°   | 441.2  | 18.0      |
| 60°-70°   | 329.5  | 13.4      |
| 70°-80°   | 188.1  | 7.7       |
| 80°-90°   | 61.1   | 2.5       |
| 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°    | 549.4  | 22.4      |
| 0°-40°    | 963.3  | 39.2      |
| 0°-60°    | 1876.4 | 76.4      |
| 0°-90°    | 2455.1 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2455.1 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 632 | 632   | 632 | 632   | 632 |      |
| 5°  | 632 | 633   | 634 | 634   | 634 | 61   |
| 15° | 643 | 645   | 647 | 647   | 647 | 183  |
| 25° | 656 | 658   | 661 | 662   | 662 | 303  |
| 35° | 655 | 658   | 663 | 665   | 664 | 410  |
| 45° | 606 | 609   | 615 | 619   | 621 | 466  |
| 55° | 488 | 489   | 495 | 501   | 504 | 434  |
| 65° | 323 | 328   | 335 | 336   | 340 | 320  |
| 75° | 172 | 175   | 177 | 178   | 177 | 184  |
| 85° | 54  | 57    | 56  | 55    | 54  | 60   |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 632.5 | 632.5 | 632.5 | 632.5 | 632.5 |
| 2.5°  | 632.0 | 632.5 | 632.5 | 633.4 | 632.0 |
| 5°    | 632.5 | 633.4 | 633.9 | 634.4 | 633.9 |
| 7.5°  | 633.9 | 635.3 | 636.3 | 636.7 | 635.8 |
| 10°   | 637.2 | 638.1 | 639.1 | 640.0 | 639.1 |
| 12.5° | 640.0 | 641.4 | 642.4 | 643.8 | 643.3 |
| 15°   | 642.8 | 644.7 | 646.6 | 647.1 | 646.6 |
| 17.5° | 646.6 | 648.0 | 649.9 | 650.8 | 650.8 |
| 20°   | 649.9 | 651.8 | 654.1 | 655.0 | 654.6 |
| 22.5° | 652.7 | 655.0 | 657.9 | 659.3 | 658.8 |
| 25°   | 655.5 | 657.9 | 661.2 | 662.1 | 661.6 |
| 27.5° | 657.9 | 660.7 | 664.0 | 665.4 | 664.4 |
| 30°   | 658.8 | 661.6 | 665.9 | 666.8 | 666.3 |
| 32.5° | 658.3 | 661.2 | 665.4 | 666.8 | 666.3 |
| 35°   | 655.0 | 658.3 | 663.0 | 664.9 | 664.4 |
| 37.5° | 648.9 | 652.2 | 656.9 | 659.3 | 659.7 |
| 40°   | 639.1 | 642.4 | 647.5 | 650.8 | 651.3 |
| 42.5° | 624.5 | 627.8 | 633.4 | 637.2 | 638.6 |
| 45°   | 606.2 | 609.0 | 614.6 | 618.9 | 621.2 |
| 47.5° | 583.2 | 585.5 | 591.6 | 596.3 | 598.7 |
| 50°   | 555.0 | 557.3 | 563.4 | 568.1 | 571.4 |
| 52.5° | 523.0 | 524.9 | 531.0 | 536.6 | 539.5 |
| 55°   | 487.8 | 489.2 | 495.3 | 500.9 | 504.2 |
| 57.5° | 447.8 | 452.0 | 456.7 | 461.9 | 465.7 |
| 60°   | 407.4 | 410.7 | 416.3 | 421.5 | 425.3 |
| 62.5° | 364.2 | 370.3 | 376.9 | 379.7 | 383.0 |
| 65°   | 322.8 | 327.5 | 334.6 | 336.5 | 340.2 |
| 67.5° | 281.9 | 287.1 | 293.2 | 294.6 | 297.0 |
| 70°   | 242.9 | 247.2 | 251.9 | 253.7 | 254.7 |
| 72.5° | 206.3 | 209.6 | 212.9 | 214.3 | 214.3 |
| 75°   | 172.5 | 175.3 | 177.2 | 177.6 | 177.2 |
| 77.5° | 141.9 | 142.4 | 146.6 | 143.8 | 143.3 |
| 80°   | 111.8 | 111.8 | 113.2 | 113.2 | 112.3 |
| 82.5° | 82.7  | 84.6  | 84.1  | 83.6  | 82.2  |
| 85°   | 54.5  | 56.9  | 56.4  | 55.4  | 54.5  |
| 87.5° | 26.8  | 29.6  | 28.2  | 29.6  | 27.3  |
| 90°   | 0.0   | 0.0   | 0.0   | 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 | 15.3             | 17.0 | 15.6 | 17.3 | 17.6 | 15.5           | 17.2 | 15.8 | 17.5 | 17.8 |
|                 | 3H   | 17.0             | 18.5 | 17.3 | 18.8 | 19.2 | 17.2           | 18.7 | 17.6 | 19.1 | 19.4 |
|                 | 4H   | 17.6             | 19.1 | 18.0 | 19.4 | 19.8 | 17.8           | 19.3 | 18.2 | 19.6 | 20.0 |
|                 | 6H   | 18.1             | 19.5 | 18.6 | 19.9 | 20.3 | 18.3           | 19.7 | 18.7 | 20.0 | 20.4 |
|                 | 8H   | 18.3             | 19.6 | 18.8 | 20.0 | 20.4 | 18.5           | 19.8 | 18.9 | 20.2 | 20.6 |
|                 | 12H  | 18.5             | 19.7 | 18.9 | 20.1 | 20.6 | 18.7           | 19.9 | 19.1 | 20.3 | 20.7 |
| 4H              | 2H   | 15.9             | 17.4 | 16.3 | 17.7 | 18.1 | 16.1           | 17.5 | 16.5 | 17.9 | 18.2 |
|                 | 3H   | 17.8             | 19.1 | 18.2 | 19.5 | 19.9 | 18.0           | 19.2 | 18.4 | 19.6 | 20.0 |
|                 | 4H   | 18.6             | 19.7 | 19.0 | 20.1 | 20.6 | 18.8           | 19.9 | 19.2 | 20.3 | 20.7 |
|                 | 6H   | 19.3             | 20.3 | 19.7 | 20.7 | 21.2 | 19.4           | 20.4 | 19.9 | 20.9 | 21.3 |
|                 | 8H   | 19.5             | 20.5 | 20.0 | 20.9 | 21.4 | 19.7           | 20.6 | 20.1 | 21.0 | 21.5 |
|                 | 12H  | 19.8             | 20.6 | 20.2 | 21.1 | 21.5 | 19.9           | 20.7 | 20.4 | 21.2 | 21.6 |
| 8H              | 4H   | 19.0             | 19.9 | 19.4 | 20.3 | 20.8 | 19.1           | 20.0 | 19.6 | 20.5 | 20.9 |
|                 | 6H   | 19.8             | 20.5 | 20.3 | 21.0 | 21.5 | 19.9           | 20.7 | 20.4 | 21.1 | 21.6 |
|                 | 8H   | 20.1             | 20.8 | 20.6 | 21.3 | 21.8 | 20.2           | 20.9 | 20.7 | 21.4 | 21.9 |
|                 | 12H  | 20.4             | 21.0 | 20.9 | 21.5 | 22.1 | 20.5           | 21.1 | 21.0 | 21.6 | 22.2 |
| 12H             | 4H   | 19.0             | 19.8 | 19.5 | 20.3 | 20.8 | 19.1           | 20.0 | 19.6 | 20.4 | 20.9 |
|                 | 6H   | 19.9             | 20.5 | 20.4 | 21.0 | 21.5 | 20.0           | 20.7 | 20.5 | 21.1 | 21.7 |
|                 | 8H   | 20.3             | 20.9 | 20.8 | 21.4 | 21.9 | 20.4           | 21.0 | 20.9 | 21.5 | 22.0 |















(END OF REPORT)