

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: P1526802

Luminaire Tested: 22CGTX-25-A125-L850

Issue Date: 8/21/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1526802  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/21/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 22CGTX-25-A125-L850  
Description: CGTX with A125 Lens Option  
  
Light Source:  
Ballast/Driver: -

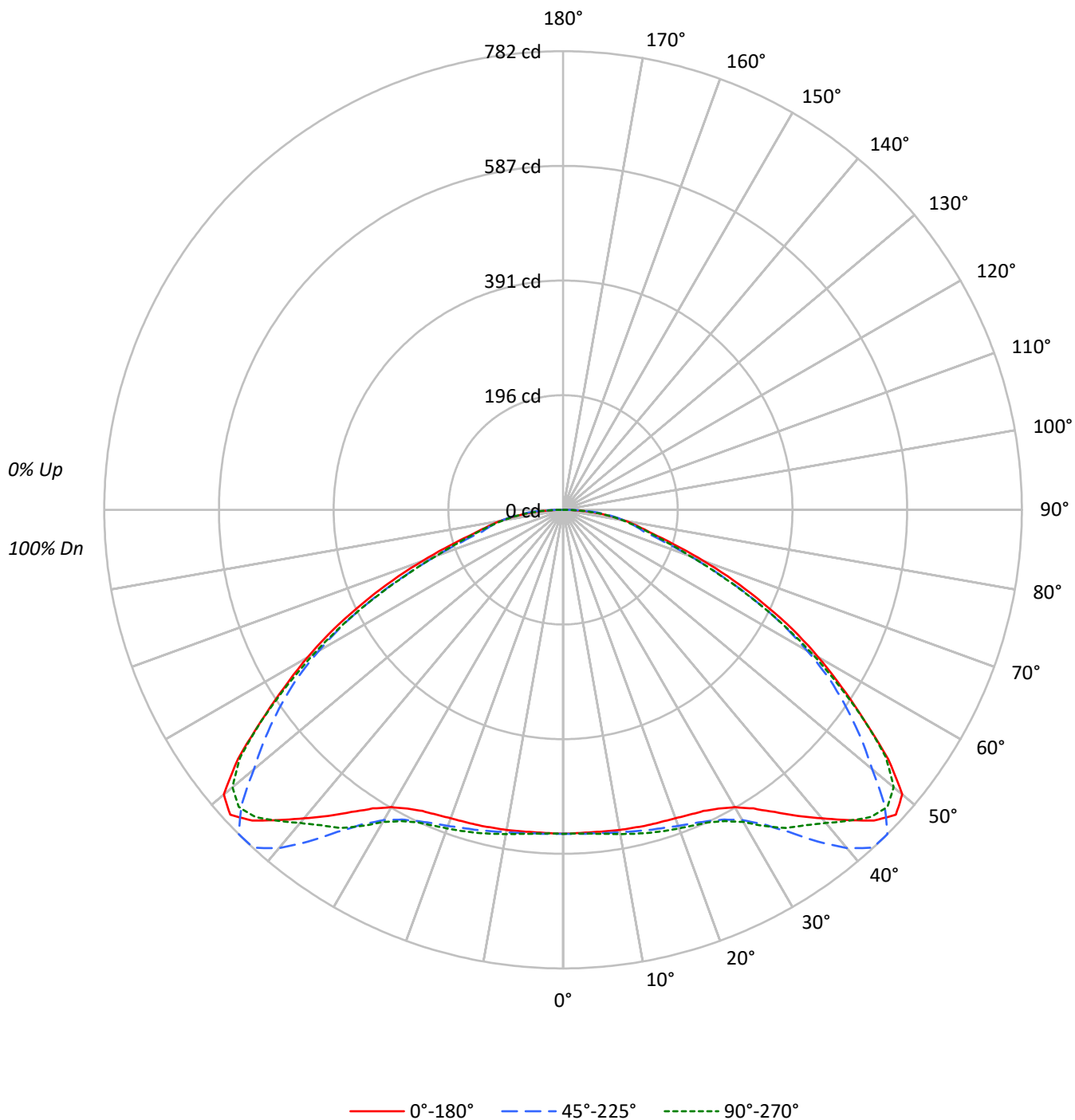
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2613.3 lumens  
Efficiency: N/A  
Efficacy: 138.3 lumens/watt  
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88  
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  |     |     |  | 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   | 108 | 103 | 98  | 94  | 105 | 101 | 97  | 93  | 96  | 93  | 90  |  | 92  | 90  | 87  |  | 89  | 87  | 84  |  | 82  |
| 2   | 97  | 89  | 81  | 75  | 95  | 87  | 80  | 74  | 83  | 77  | 73  |  | 80  | 75  | 71  |  | 77  | 73  | 69  |  | 67  |
| 3   | 88  | 77  | 68  | 61  | 85  | 75  | 67  | 61  | 72  | 65  | 59  |  | 69  | 63  | 58  |  | 67  | 62  | 57  |  | 55  |
| 4   | 80  | 67  | 58  | 51  | 78  | 66  | 57  | 50  | 63  | 55  | 49  |  | 61  | 54  | 49  |  | 58  | 53  | 48  |  | 46  |
| 5   | 73  | 59  | 49  | 42  | 71  | 58  | 49  | 42  | 56  | 48  | 42  |  | 54  | 47  | 41  |  | 52  | 46  | 41  |  | 38  |
| 6   | 67  | 52  | 43  | 36  | 65  | 52  | 42  | 36  | 50  | 42  | 36  |  | 48  | 41  | 35  |  | 46  | 40  | 35  |  | 33  |
| 7   | 61  | 47  | 38  | 31  | 60  | 46  | 37  | 31  | 45  | 37  | 31  |  | 43  | 36  | 30  |  | 42  | 35  | 30  |  | 28  |
| 8   | 57  | 42  | 33  | 27  | 55  | 42  | 33  | 27  | 40  | 32  | 27  |  | 39  | 32  | 27  |  | 38  | 31  | 26  |  | 24  |
| 9   | 53  | 39  | 30  | 24  | 51  | 38  | 30  | 24  | 37  | 29  | 24  |  | 36  | 29  | 24  |  | 35  | 28  | 23  |  | 21  |
| 10  | 49  | 35  | 27  | 21  | 48  | 35  | 27  | 21  | 34  | 26  | 21  |  | 33  | 26  | 21  |  | 32  | 25  | 21  |  | 19  |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 1486 | 1486 | 1486 |
| 5°  | 1491 | 1496 | 1497 |
| 10° | 1515 | 1526 | 1533 |
| 15° | 1551 | 1575 | 1588 |
| 20° | 1603 | 1643 | 1655 |
| 25° | 1682 | 1738 | 1746 |
| 30° | 1819 | 1897 | 1909 |
| 35° | 2066 | 2202 | 2176 |
| 40° | 2412 | 2644 | 2448 |
| 45° | 2852 | 2976 | 2820 |
| 50° | 3159 | 2879 | 3079 |
| 55° | 2946 | 2772 | 2943 |
| 60° | 2704 | 2588 | 2635 |
| 65° | 2392 | 2257 | 2253 |
| 70° | 2004 | 1806 | 1810 |
| 75° | 1647 | 1478 | 1596 |
| 80° | 1675 | 1667 | 1599 |
| 85° | 1646 | 1982 | 1677 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 3159 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 53.0   | 2.0       |
| 10°-20°   | 160.2  | 6.1       |
| 20°-30°   | 270.8  | 10.4      |
| 30°-40°   | 416.4  | 15.9      |
| 40°-50°   | 578.7  | 22.1      |
| 50°-60°   | 544.7  | 20.8      |
| 60°-70°   | 359.7  | 13.8      |
| 70°-80°   | 167.2  | 6.4       |
| 80°-90°   | 62.6   | 2.4       |
| 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°    | 484.0  | 18.5      |
| 0°-40°    | 900.4  | 34.5      |
| 0°-60°    | 2023.8 | 77.4      |
| 0°-90°    | 2613.3 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2613.3 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 552 | 552   | 552 | 552   | 552 |      |
| 5°  | 552 | 553   | 554 | 555   | 554 | 53   |
| 15° | 557 | 559   | 565 | 569   | 570 | 158  |
| 25° | 567 | 574   | 585 | 589   | 588 | 264  |
| 35° | 629 | 651   | 670 | 668   | 662 | 398  |
| 45° | 749 | 776   | 782 | 763   | 741 | 573  |
| 55° | 628 | 619   | 591 | 611   | 627 | 563  |
| 65° | 376 | 372   | 354 | 360   | 354 | 373  |
| 75° | 158 | 152   | 142 | 147   | 154 | 177  |
| 85° | 53  | 61    | 64  | 62    | 54  | 58   |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 552.3 | 552.3 | 552.3 | 552.3 | 552.3 |
| 2.5°  | 551.8 | 552.8 | 553.3 | 553.8 | 552.3 |
| 5°    | 551.8 | 553.3 | 553.8 | 554.8 | 554.3 |
| 7.5°  | 552.8 | 554.3 | 555.8 | 556.8 | 557.3 |
| 10°   | 554.3 | 555.8 | 558.3 | 561.2 | 561.2 |
| 12.5° | 555.3 | 557.8 | 561.2 | 565.2 | 565.7 |
| 15°   | 556.8 | 559.2 | 565.2 | 569.1 | 570.1 |
| 17.5° | 557.8 | 561.7 | 568.6 | 573.6 | 574.1 |
| 20°   | 559.7 | 564.2 | 573.6 | 578.0 | 578.0 |
| 22.5° | 562.7 | 568.6 | 578.5 | 582.4 | 582.4 |
| 25°   | 566.6 | 574.1 | 585.4 | 588.9 | 587.9 |
| 27.5° | 574.1 | 582.9 | 595.3 | 599.2 | 598.2 |
| 30°   | 585.4 | 597.2 | 610.6 | 615.5 | 614.5 |
| 32.5° | 603.7 | 618.5 | 635.3 | 639.7 | 639.2 |
| 35°   | 628.8 | 651.1 | 670.3 | 667.8 | 662.4 |
| 37.5° | 658.0 | 691.0 | 712.8 | 689.6 | 677.7 |
| 40°   | 686.6 | 731.5 | 752.7 | 715.2 | 697.0 |
| 42.5° | 717.2 | 763.1 | 781.4 | 744.8 | 719.2 |
| 45°   | 749.3 | 775.9 | 781.9 | 763.1 | 740.9 |
| 47.5° | 769.5 | 755.7 | 742.9 | 754.2 | 749.8 |
| 50°   | 754.7 | 708.3 | 687.6 | 709.3 | 735.5 |
| 52.5° | 698.4 | 664.4 | 640.2 | 660.4 | 693.5 |
| 55°   | 627.9 | 619.0 | 590.8 | 611.1 | 627.4 |
| 57.5° | 563.2 | 570.1 | 539.5 | 554.8 | 557.3 |
| 60°   | 502.5 | 507.4 | 480.8 | 493.6 | 489.6 |
| 62.5° | 440.8 | 441.3 | 420.5 | 427.9 | 422.0 |
| 65°   | 375.6 | 372.2 | 354.4 | 359.8 | 353.9 |
| 67.5° | 314.4 | 306.5 | 289.7 | 292.2 | 286.8 |
| 70°   | 254.7 | 245.3 | 229.5 | 233.0 | 230.0 |
| 72.5° | 201.4 | 194.0 | 180.2 | 184.6 | 187.6 |
| 75°   | 158.4 | 152.5 | 142.2 | 146.6 | 153.5 |
| 77.5° | 131.3 | 123.9 | 124.9 | 121.9 | 126.9 |
| 80°   | 108.1 | 103.7 | 107.6 | 104.6 | 103.2 |
| 82.5° | 80.5  | 84.9  | 86.4  | 87.9  | 80.5  |
| 85°   | 53.3  | 61.2  | 64.2  | 62.2  | 54.3  |
| 87.5° | 26.2  | 33.1  | 34.1  | 33.6  | 28.1  |
| 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 | 16.6             | 18.4 | 17.0 | 18.7 | 19.0 | 16.4           | 18.2 | 16.8 | 18.5 | 18.8 |
|                 | 3H   | 17.9             | 19.5 | 18.2 | 19.8 | 20.1 | 17.6           | 19.2 | 18.0 | 19.5 | 19.9 |
|                 | 4H   | 18.3             | 19.8 | 18.7 | 20.1 | 20.5 | 18.0           | 19.5 | 18.4 | 19.8 | 20.2 |
|                 | 6H   | 18.6             | 20.0 | 19.0 | 20.4 | 20.8 | 18.3           | 19.7 | 18.7 | 20.1 | 20.5 |
|                 | 8H   | 18.8             | 20.1 | 19.2 | 20.5 | 20.9 | 18.5           | 19.8 | 18.9 | 20.2 | 20.6 |
|                 | 12H  | 18.9             | 20.2 | 19.3 | 20.5 | 21.0 | 18.6           | 19.9 | 19.1 | 20.3 | 20.7 |
| 4H              | 2H   | 17.0             | 18.5 | 17.4 | 18.9 | 19.3 | 16.9           | 18.4 | 17.3 | 18.7 | 19.1 |
|                 | 3H   | 18.5             | 19.7 | 18.9 | 20.1 | 20.5 | 18.3           | 19.5 | 18.7 | 19.9 | 20.3 |
|                 | 4H   | 19.0             | 20.1 | 19.4 | 20.5 | 21.0 | 18.7           | 19.9 | 19.2 | 20.3 | 20.7 |
|                 | 6H   | 19.5             | 20.5 | 19.9 | 20.9 | 21.3 | 19.2           | 20.2 | 19.7 | 20.7 | 21.1 |
|                 | 8H   | 19.7             | 20.6 | 20.1 | 21.1 | 21.5 | 19.5           | 20.4 | 19.9 | 20.8 | 21.3 |
|                 | 12H  | 19.9             | 20.7 | 20.3 | 21.2 | 21.6 | 19.7           | 20.5 | 20.1 | 21.0 | 21.4 |
| 8H              | 4H   | 19.2             | 20.1 | 19.6 | 20.5 | 21.0 | 18.9           | 19.9 | 19.4 | 20.3 | 20.8 |
|                 | 6H   | 19.8             | 20.6 | 20.3 | 21.0 | 21.5 | 19.6           | 20.4 | 20.1 | 20.8 | 21.3 |
|                 | 8H   | 20.1             | 20.8 | 20.6 | 21.3 | 21.8 | 19.9           | 20.6 | 20.4 | 21.1 | 21.6 |
|                 | 12H  | 20.4             | 21.0 | 20.9 | 21.5 | 22.1 | 20.2           | 20.9 | 20.7 | 21.4 | 21.9 |
| 12H             | 4H   | 19.2             | 20.0 | 19.7 | 20.5 | 21.0 | 19.0           | 19.8 | 19.5 | 20.3 | 20.8 |
|                 | 6H   | 19.9             | 20.6 | 20.4 | 21.0 | 21.6 | 19.7           | 20.4 | 20.2 | 20.8 | 21.4 |
|                 | 8H   | 20.2             | 20.8 | 20.7 | 21.3 | 21.9 | 20.1           | 20.7 | 20.6 | 21.2 | 21.7 |















(END OF REPORT)