

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: P1526862

Luminaire Tested: 24CGTX-20HE-A125-L930

Issue Date: 8/24/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1526862  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/24/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 24CGTX-20HE-A125-L930  
Description: CGTX with A125 Lens Option  
  
Light Source:  
Ballast/Driver: -

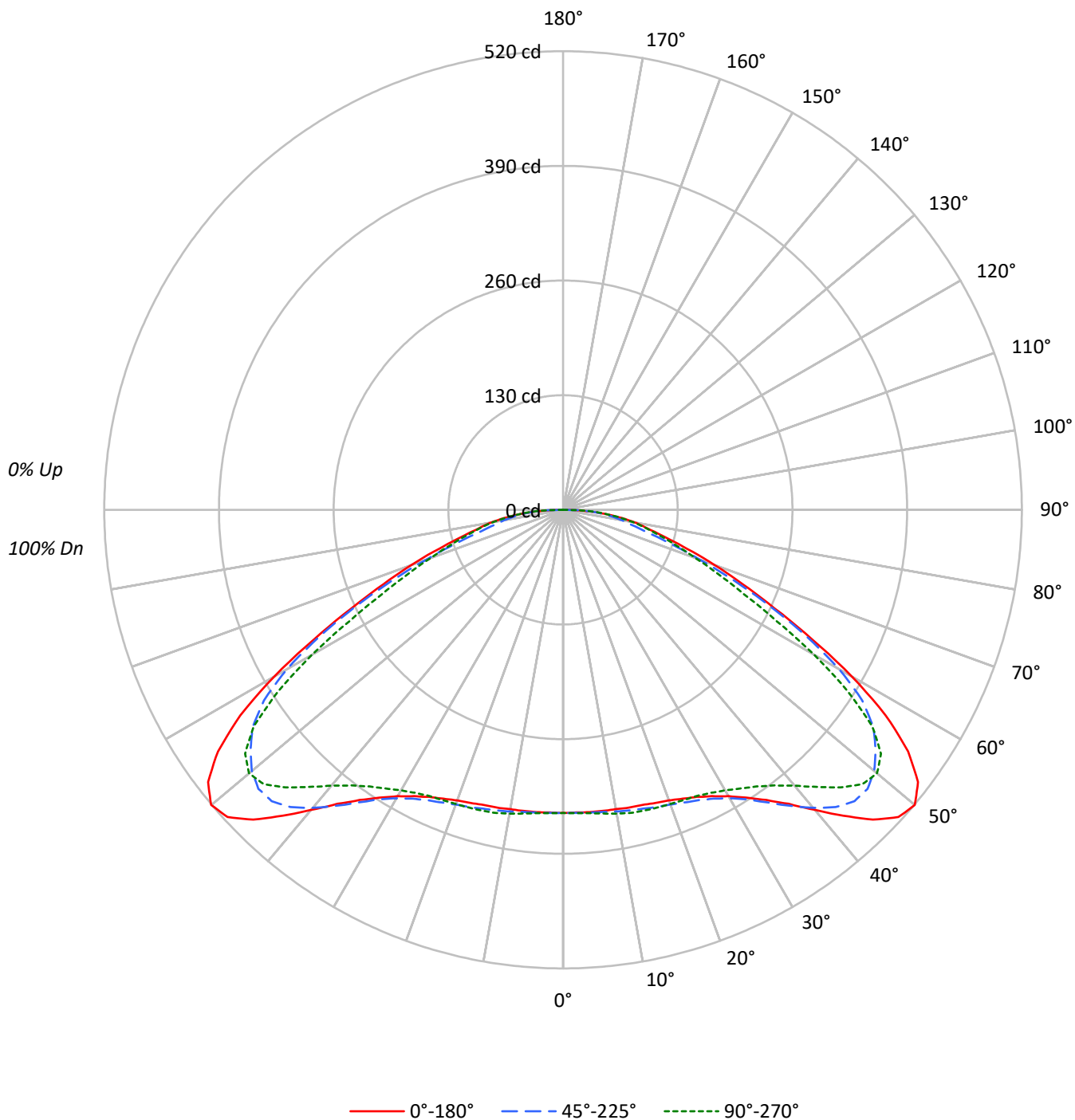
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1715.8 lumens  
Efficiency: N/A  
Efficacy: 115.2 lumens/watt  
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 14.9  
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  |     |     | 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 | 102 | 98  | 94  | 105 | 100 | 96  | 92  | 96  | 92  | 89  |  | 92  | 89  | 86  |  | 88  | 86  | 84  | 82  |
| 2   | 97  | 88  | 80  | 74  | 94  | 86  | 79  | 73  | 82  | 76  | 71  |  | 79  | 74  | 70  |  | 76  | 72  | 68  | 66  |
| 3   | 87  | 76  | 67  | 60  | 85  | 74  | 66  | 59  | 71  | 64  | 58  |  | 68  | 62  | 57  |  | 66  | 60  | 56  | 54  |
| 4   | 79  | 66  | 56  | 49  | 77  | 65  | 56  | 49  | 62  | 54  | 48  |  | 60  | 53  | 47  |  | 57  | 51  | 47  | 44  |
| 5   | 72  | 58  | 48  | 41  | 70  | 57  | 48  | 41  | 55  | 46  | 40  |  | 53  | 45  | 40  |  | 51  | 44  | 39  | 37  |
| 6   | 66  | 51  | 42  | 35  | 64  | 50  | 41  | 35  | 49  | 40  | 34  |  | 47  | 39  | 34  |  | 45  | 39  | 34  | 31  |
| 7   | 61  | 46  | 36  | 30  | 59  | 45  | 36  | 30  | 43  | 35  | 29  |  | 42  | 35  | 29  |  | 41  | 34  | 29  | 27  |
| 8   | 56  | 41  | 32  | 26  | 54  | 41  | 32  | 26  | 39  | 31  | 26  |  | 38  | 31  | 25  |  | 37  | 30  | 25  | 23  |
| 9   | 52  | 38  | 29  | 23  | 50  | 37  | 29  | 23  | 36  | 28  | 23  |  | 35  | 28  | 22  |  | 34  | 27  | 22  | 20  |
| 10  | 48  | 34  | 26  | 20  | 47  | 34  | 26  | 20  | 33  | 25  | 20  |  | 32  | 25  | 20  |  | 31  | 24  | 20  | 18  |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 462  | 462  | 462  |
| 5°  | 465  | 465  | 466  |
| 10° | 471  | 474  | 478  |
| 15° | 483  | 489  | 492  |
| 20° | 502  | 509  | 508  |
| 25° | 533  | 539  | 531  |
| 30° | 582  | 587  | 570  |
| 35° | 660  | 666  | 629  |
| 40° | 780  | 775  | 717  |
| 45° | 945  | 889  | 847  |
| 50° | 1090 | 964  | 973  |
| 55° | 1120 | 1007 | 1004 |
| 60° | 1018 | 973  | 883  |
| 65° | 842  | 826  | 721  |
| 70° | 719  | 648  | 626  |
| 75° | 622  | 516  | 593  |
| 80° | 645  | 522  | 624  |
| 85° | 651  | 628  | 693  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 1121 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 33.0   | 1.9       |
| 10°-20°   | 99.5   | 5.8       |
| 20°-30°   | 168.0  | 9.8       |
| 30°-40°   | 253.0  | 14.7      |
| 40°-50°   | 359.7  | 21.0      |
| 50°-60°   | 386.0  | 22.5      |
| 60°-70°   | 251.6  | 14.7      |
| 70°-80°   | 121.0  | 7.1       |
| 80°-90°   | 44.0   | 2.6       |
| 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°    | 300.5  | 17.5      |
| 0°-40°    | 553.5  | 32.3      |
| 0°-60°    | 1299.2 | 75.7      |
| 0°-90°    | 1715.8 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1715.8 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 344 | 344   | 344 | 344   | 344 |      |
| 5°  | 344 | 344   | 345 | 346   | 345 | 33   |
| 15° | 346 | 348   | 351 | 353   | 353 | 98   |
| 25° | 359 | 362   | 363 | 360   | 358 | 167  |
| 35° | 402 | 409   | 405 | 392   | 383 | 255  |
| 45° | 497 | 484   | 467 | 455   | 445 | 381  |
| 55° | 477 | 465   | 429 | 417   | 428 | 418  |
| 65° | 264 | 262   | 260 | 232   | 226 | 268  |
| 75° | 120 | 113   | 99  | 113   | 114 | 131  |
| 85° | 42  | 40    | 41  | 42    | 45  | 46   |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 343.7 | 343.7 | 343.7 | 343.7 | 343.7 |
| 2.5°  | 343.4 | 343.7 | 344.0 | 344.3 | 344.3 |
| 5°    | 344.0 | 344.3 | 344.6 | 345.8 | 345.2 |
| 7.5°  | 344.3 | 344.6 | 345.5 | 347.3 | 347.3 |
| 10°   | 344.6 | 345.5 | 347.3 | 349.1 | 349.7 |
| 12.5° | 345.8 | 346.7 | 349.1 | 351.4 | 352.0 |
| 15°   | 346.4 | 348.2 | 350.8 | 352.9 | 353.2 |
| 17.5° | 348.5 | 350.3 | 353.2 | 354.1 | 354.1 |
| 20°   | 350.6 | 352.9 | 355.6 | 355.6 | 355.0 |
| 22.5° | 354.4 | 357.1 | 359.2 | 357.4 | 356.2 |
| 25°   | 359.2 | 362.4 | 363.3 | 360.1 | 358.0 |
| 27.5° | 366.0 | 370.2 | 369.0 | 364.5 | 361.8 |
| 30°   | 374.9 | 380.3 | 377.6 | 371.1 | 367.2 |
| 32.5° | 386.8 | 393.3 | 388.9 | 380.6 | 374.6 |
| 35°   | 401.6 | 409.4 | 405.2 | 391.5 | 382.9 |
| 37.5° | 420.1 | 428.1 | 423.0 | 405.5 | 393.9 |
| 40°   | 444.1 | 448.3 | 441.2 | 422.1 | 408.2 |
| 42.5° | 470.3 | 468.2 | 457.2 | 439.7 | 426.0 |
| 45°   | 496.7 | 484.5 | 467.0 | 454.8 | 445.0 |
| 47.5° | 515.7 | 493.1 | 468.2 | 462.0 | 460.2 |
| 50°   | 520.5 | 491.4 | 460.5 | 458.1 | 464.6 |
| 52.5° | 507.1 | 481.9 | 446.5 | 442.3 | 454.2 |
| 55°   | 477.4 | 465.2 | 429.3 | 416.8 | 427.8 |
| 57.5° | 433.7 | 432.8 | 401.9 | 379.7 | 382.6 |
| 60°   | 378.2 | 381.7 | 361.5 | 330.1 | 328.3 |
| 62.5° | 318.2 | 320.2 | 311.3 | 278.7 | 272.4 |
| 65°   | 264.4 | 262.3 | 259.6 | 231.7 | 226.4 |
| 67.5° | 220.1 | 213.9 | 209.7 | 192.8 | 190.1 |
| 70°   | 182.7 | 172.9 | 164.6 | 161.9 | 159.2 |
| 72.5° | 147.9 | 140.8 | 127.4 | 134.9 | 134.6 |
| 75°   | 119.7 | 113.2 | 99.2  | 112.9 | 114.1 |
| 77.5° | 98.0  | 93.6  | 80.2  | 92.7  | 96.6  |
| 80°   | 83.2  | 74.0  | 67.4  | 75.5  | 80.5  |
| 82.5° | 63.6  | 56.4  | 55.0  | 58.2  | 63.0  |
| 85°   | 42.2  | 39.5  | 40.7  | 41.9  | 44.9  |
| 87.5° | 21.4  | 22.9  | 24.7  | 26.7  | 28.2  |
| 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 | 13.7             | 15.5 | 14.1 | 15.8 | 16.1 | 12.8           | 14.6 | 13.2 | 14.9 | 15.2 |
|                 | 3H   | 14.8             | 16.4 | 15.2 | 16.8 | 17.1 | 13.9           | 15.6 | 14.3 | 15.9 | 16.2 |
|                 | 4H   | 15.2             | 16.7 | 15.6 | 17.1 | 17.5 | 14.4           | 15.9 | 14.8 | 16.3 | 16.6 |
|                 | 6H   | 15.6             | 17.0 | 16.0 | 17.3 | 17.7 | 14.8           | 16.3 | 15.3 | 16.6 | 17.0 |
|                 | 8H   | 15.7             | 17.1 | 16.1 | 17.5 | 17.9 | 15.0           | 16.4 | 15.5 | 16.8 | 17.2 |
|                 | 12H  | 15.9             | 17.2 | 16.3 | 17.5 | 18.0 | 15.2           | 16.5 | 15.6 | 16.9 | 17.3 |
| 4H              | 2H   | 14.1             | 15.6 | 14.5 | 16.0 | 16.4 | 13.4           | 14.9 | 13.8 | 15.2 | 15.6 |
|                 | 3H   | 15.4             | 16.7 | 15.8 | 17.1 | 17.5 | 14.7           | 16.0 | 15.1 | 16.4 | 16.8 |
|                 | 4H   | 15.9             | 17.1 | 16.3 | 17.5 | 17.9 | 15.3           | 16.4 | 15.7 | 16.8 | 17.3 |
|                 | 6H   | 16.4             | 17.4 | 16.9 | 17.9 | 18.3 | 15.8           | 16.9 | 16.3 | 17.3 | 17.8 |
|                 | 8H   | 16.6             | 17.6 | 17.1 | 18.0 | 18.5 | 16.1           | 17.1 | 16.6 | 17.5 | 18.0 |
|                 | 12H  | 16.8             | 17.7 | 17.3 | 18.2 | 18.6 | 16.4           | 17.2 | 16.8 | 17.7 | 18.2 |
| 8H              | 4H   | 16.1             | 17.0 | 16.5 | 17.5 | 17.9 | 15.5           | 16.4 | 15.9 | 16.9 | 17.3 |
|                 | 6H   | 16.7             | 17.5 | 17.2 | 18.0 | 18.4 | 16.2           | 17.0 | 16.7 | 17.5 | 17.9 |
|                 | 8H   | 17.0             | 17.7 | 17.5 | 18.2 | 18.7 | 16.5           | 17.3 | 17.0 | 17.8 | 18.2 |
|                 | 12H  | 17.3             | 17.9 | 17.8 | 18.4 | 18.9 | 16.9           | 17.5 | 17.4 | 18.0 | 18.6 |
| 12H             | 4H   | 16.1             | 17.0 | 16.6 | 17.4 | 17.9 | 15.5           | 16.4 | 16.0 | 16.8 | 17.3 |
|                 | 6H   | 16.7             | 17.5 | 17.2 | 17.9 | 18.4 | 16.3           | 17.0 | 16.8 | 17.4 | 18.0 |
|                 | 8H   | 17.1             | 17.7 | 17.6 | 18.2 | 18.8 | 16.7           | 17.3 | 17.2 | 17.8 | 18.3 |















(END OF REPORT)