

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: P1584080

Luminaire Tested: 14CGSB-25-A125-L835

Issue Date: 9/3/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1584080  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P1527173)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 14CGSB-25-A125-L835  
Description: CGTX with A125 Lens Option  
  
Light Source:  
Ballast/Driver: -

**Summary**

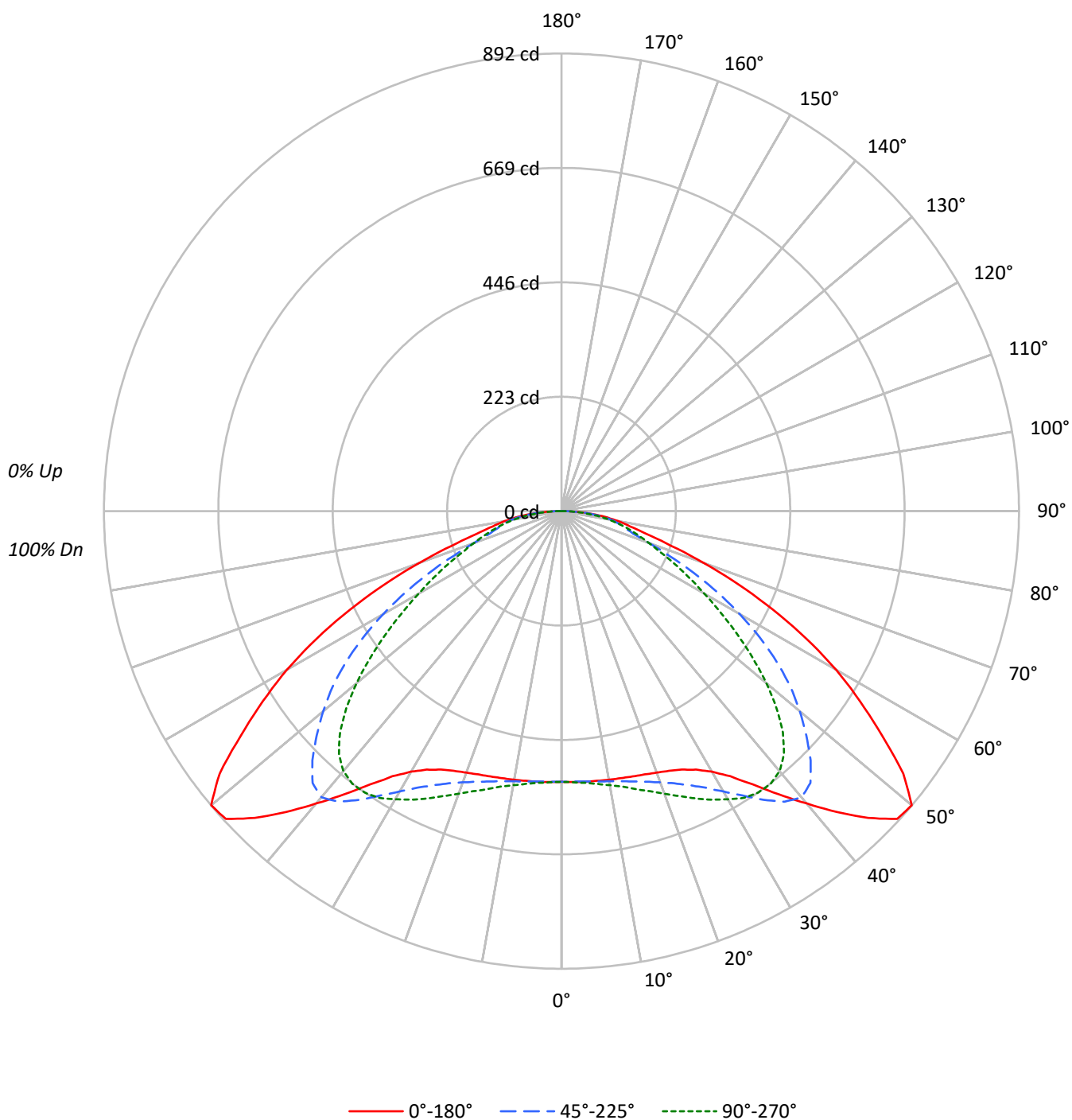
Lumens per Lamp: N/A  
Luminaire Lumens: 2470.9 lumens  
Efficiency: N/A  
Efficacy: 86.4 lumens/watt  
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 28.6  
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   | 108 | 103 | 99  | 95  | 105 | 101 | 97  | 93  | 97  | 93  | 90  |  | 93  | 90  | 87  |  | 89  | 87  | 85  | 83  |
| 2   | 98  | 89  | 82  | 76  | 95  | 87  | 81  | 75  | 84  | 78  | 73  |  | 80  | 76  | 72  |  | 77  | 73  | 70  | 68  |
| 3   | 89  | 77  | 69  | 62  | 86  | 76  | 68  | 61  | 73  | 66  | 60  |  | 70  | 64  | 59  |  | 67  | 62  | 58  | 56  |
| 4   | 80  | 68  | 58  | 51  | 78  | 66  | 58  | 51  | 64  | 56  | 50  |  | 61  | 55  | 50  |  | 59  | 54  | 49  | 47  |
| 5   | 73  | 60  | 50  | 43  | 71  | 59  | 50  | 43  | 56  | 49  | 43  |  | 54  | 48  | 42  |  | 53  | 46  | 42  | 39  |
| 6   | 67  | 53  | 44  | 37  | 65  | 52  | 43  | 37  | 50  | 42  | 36  |  | 49  | 42  | 36  |  | 47  | 41  | 36  | 34  |
| 7   | 62  | 48  | 38  | 32  | 60  | 47  | 38  | 32  | 45  | 37  | 32  |  | 44  | 37  | 31  |  | 42  | 36  | 31  | 29  |
| 8   | 57  | 43  | 34  | 28  | 56  | 42  | 34  | 28  | 41  | 33  | 28  |  | 40  | 33  | 28  |  | 39  | 32  | 27  | 25  |
| 9   | 53  | 39  | 31  | 25  | 52  | 39  | 30  | 25  | 37  | 30  | 24  |  | 36  | 29  | 24  |  | 35  | 29  | 24  | 22  |
| 10  | 50  | 36  | 28  | 22  | 48  | 35  | 27  | 22  | 34  | 27  | 22  |  | 33  | 27  | 22  |  | 32  | 26  | 22  | 20  |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 1420 | 1420 | 1420 |
| 5°  | 1430 | 1429 | 1436 |
| 10° | 1453 | 1461 | 1482 |
| 15° | 1491 | 1520 | 1563 |
| 20° | 1553 | 1611 | 1678 |
| 25° | 1650 | 1749 | 1834 |
| 30° | 1821 | 1960 | 2015 |
| 35° | 2135 | 2256 | 2199 |
| 40° | 2613 | 2558 | 2324 |
| 45° | 3218 | 2613 | 2324 |
| 50° | 3732 | 2538 | 2183 |
| 55° | 3580 | 2406 | 1963 |
| 60° | 3327 | 2159 | 1729 |
| 65° | 2897 | 1808 | 1549 |
| 70° | 2318 | 1422 | 1422 |
| 75° | 1778 | 1347 | 1411 |
| 80° | 1745 | 1556 | 1437 |
| 85° | 1754 | 1723 | 1408 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 3732 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 50.8   | 2.1       |
| 10°-20°   | 155.7  | 6.3       |
| 20°-30°   | 274.1  | 11.1      |
| 30°-40°   | 424.6  | 17.2      |
| 40°-50°   | 540.9  | 21.9      |
| 50°-60°   | 492.2  | 19.9      |
| 60°-70°   | 319.2  | 12.9      |
| 70°-80°   | 155.2  | 6.3       |
| 80°-90°   | 58.1   | 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°    | 480.6  | 19.5      |
| 0°-40°    | 905.2  | 36.6      |
| 0°-60°    | 1938.3 | 78.4      |
| 0°-90°    | 2470.9 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2470.9 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 528 | 528   | 528 | 528   | 528 |      |
| 5°  | 530 | 530   | 529 | 530   | 532 | 51   |
| 15° | 535 | 539   | 546 | 556   | 561 | 152  |
| 25° | 556 | 567   | 589 | 610   | 618 | 259  |
| 35° | 650 | 678   | 687 | 676   | 669 | 414  |
| 45° | 846 | 794   | 687 | 627   | 611 | 650  |
| 55° | 763 | 669   | 513 | 442   | 418 | 681  |
| 65° | 455 | 403   | 284 | 246   | 243 | 451  |
| 75° | 171 | 157   | 130 | 124   | 136 | 194  |
| 85° | 57  | 62    | 56  | 51    | 46  | 62   |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 527.6 | 527.6 | 527.6 | 527.6 | 527.6 |
| 2.5°  | 528.5 | 529.2 | 527.6 | 527.9 | 528.9 |
| 5°    | 529.5 | 530.1 | 528.9 | 529.8 | 531.7 |
| 7.5°  | 530.1 | 531.4 | 531.4 | 533.7 | 536.2 |
| 10°   | 531.7 | 533.0 | 534.6 | 539.1 | 542.3 |
| 12.5° | 533.0 | 535.3 | 539.1 | 546.5 | 550.0 |
| 15°   | 535.3 | 538.8 | 545.5 | 555.8 | 560.9 |
| 17.5° | 538.2 | 543.3 | 552.9 | 566.4 | 572.5 |
| 20°   | 542.3 | 549.1 | 562.5 | 578.6 | 586.0 |
| 22.5° | 547.8 | 556.8 | 574.1 | 593.0 | 601.1 |
| 25°   | 555.8 | 567.4 | 589.2 | 610.0 | 617.7 |
| 27.5° | 568.0 | 582.4 | 607.5 | 628.3 | 634.1 |
| 30°   | 586.0 | 603.9 | 630.9 | 645.3 | 648.5 |
| 32.5° | 612.6 | 635.7 | 657.2 | 662.0 | 662.7 |
| 35°   | 649.8 | 678.1 | 686.7 | 675.5 | 669.4 |
| 37.5° | 695.4 | 726.9 | 714.0 | 680.6 | 669.7 |
| 40°   | 743.9 | 769.5 | 728.1 | 676.5 | 661.7 |
| 42.5° | 795.2 | 793.9 | 718.5 | 658.2 | 642.1 |
| 45°   | 845.6 | 793.6 | 686.7 | 626.7 | 610.7 |
| 47.5° | 887.9 | 769.5 | 647.3 | 587.9 | 569.0 |
| 50°   | 891.5 | 738.1 | 606.2 | 540.7 | 521.5 |
| 52.5° | 840.1 | 707.0 | 562.9 | 491.9 | 469.8 |
| 55°   | 763.1 | 669.4 | 512.8 | 441.9 | 418.5 |
| 57.5° | 690.3 | 620.3 | 458.3 | 390.2 | 367.1 |
| 60°   | 618.1 | 557.1 | 401.1 | 340.2 | 321.2 |
| 62.5° | 538.2 | 483.6 | 342.7 | 290.4 | 280.5 |
| 65°   | 455.0 | 403.1 | 284.0 | 246.1 | 243.2 |
| 67.5° | 374.5 | 326.7 | 227.8 | 204.4 | 207.9 |
| 70°   | 294.6 | 258.0 | 180.7 | 175.2 | 180.7 |
| 72.5° | 224.0 | 203.5 | 147.0 | 148.3 | 157.2 |
| 75°   | 171.0 | 156.6 | 129.6 | 123.5 | 135.7 |
| 77.5° | 137.0 | 127.7 | 114.9 | 105.9 | 114.9 |
| 80°   | 112.6 | 110.4 | 100.4 | 89.9  | 92.7  |
| 82.5° | 85.0  | 86.6  | 78.9  | 73.5  | 70.0  |
| 85°   | 56.8  | 61.9  | 55.8  | 51.0  | 45.6  |
| 87.5° | 28.6  | 34.7  | 29.5  | 26.3  | 23.4  |
| 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 | 17.6             | 19.3 | 17.9 | 19.6 | 19.9 | 14.1           | 15.9 | 14.5 | 16.2 | 16.5 |
|                 | 3H   | 18.9             | 20.4 | 19.2 | 20.7 | 21.1 | 15.4           | 17.0 | 15.8 | 17.3 | 17.7 |
|                 | 4H   | 19.2             | 20.7 | 19.6 | 21.0 | 21.4 | 16.0           | 17.5 | 16.4 | 17.8 | 18.2 |
|                 | 6H   | 19.5             | 20.9 | 19.9 | 21.2 | 21.6 | 16.5           | 17.9 | 16.9 | 18.3 | 18.6 |
|                 | 8H   | 19.6             | 21.0 | 20.1 | 21.3 | 21.7 | 16.7           | 18.1 | 17.2 | 18.4 | 18.8 |
|                 | 12H  | 19.8             | 21.0 | 20.2 | 21.4 | 21.8 | 16.9           | 18.2 | 17.4 | 18.6 | 19.0 |
| 4H              | 2H   | 17.7             | 19.2 | 18.1 | 19.6 | 19.9 | 14.8           | 16.3 | 15.2 | 16.6 | 17.0 |
|                 | 3H   | 19.2             | 20.4 | 19.6 | 20.8 | 21.2 | 16.2           | 17.5 | 16.6 | 17.9 | 18.3 |
|                 | 4H   | 19.7             | 20.8 | 20.1 | 21.2 | 21.6 | 16.9           | 18.0 | 17.3 | 18.4 | 18.9 |
|                 | 6H   | 20.1             | 21.1 | 20.6 | 21.5 | 22.0 | 17.6           | 18.6 | 18.0 | 19.0 | 19.5 |
|                 | 8H   | 20.3             | 21.2 | 20.8 | 21.7 | 22.2 | 17.9           | 18.8 | 18.4 | 19.2 | 19.7 |
|                 | 12H  | 20.5             | 21.3 | 21.0 | 21.8 | 22.3 | 18.1           | 19.0 | 18.6 | 19.4 | 19.9 |
| 8H              | 4H   | 19.8             | 20.7 | 20.2 | 21.1 | 21.6 | 17.3           | 18.2 | 17.7 | 18.6 | 19.1 |
|                 | 6H   | 20.4             | 21.1 | 20.9 | 21.6 | 22.1 | 18.1           | 18.9 | 18.6 | 19.3 | 19.8 |
|                 | 8H   | 20.7             | 21.3 | 21.2 | 21.9 | 22.3 | 18.5           | 19.2 | 19.0 | 19.7 | 20.2 |
|                 | 12H  | 20.9             | 21.6 | 21.4 | 22.0 | 22.6 | 18.9           | 19.5 | 19.4 | 20.0 | 20.5 |
| 12H             | 4H   | 19.8             | 20.6 | 20.3 | 21.1 | 21.6 | 17.3           | 18.2 | 17.8 | 18.6 | 19.1 |
|                 | 6H   | 20.4             | 21.1 | 20.9 | 21.6 | 22.1 | 18.2           | 18.9 | 18.7 | 19.4 | 19.9 |
|                 | 8H   | 20.8             | 21.4 | 21.3 | 21.9 | 22.4 | 18.7           | 19.3 | 19.2 | 19.8 | 20.4 |













(END OF REPORT)