

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: P1527250

Luminaire Tested: 22CGSB-20-A125-L935

Issue Date: 8/24/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1527250  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/24/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 22CGSB-20-A125-L935  
Description: CGTX with A125 Lens Option  
  
Light Source:  
Ballast/Driver: -

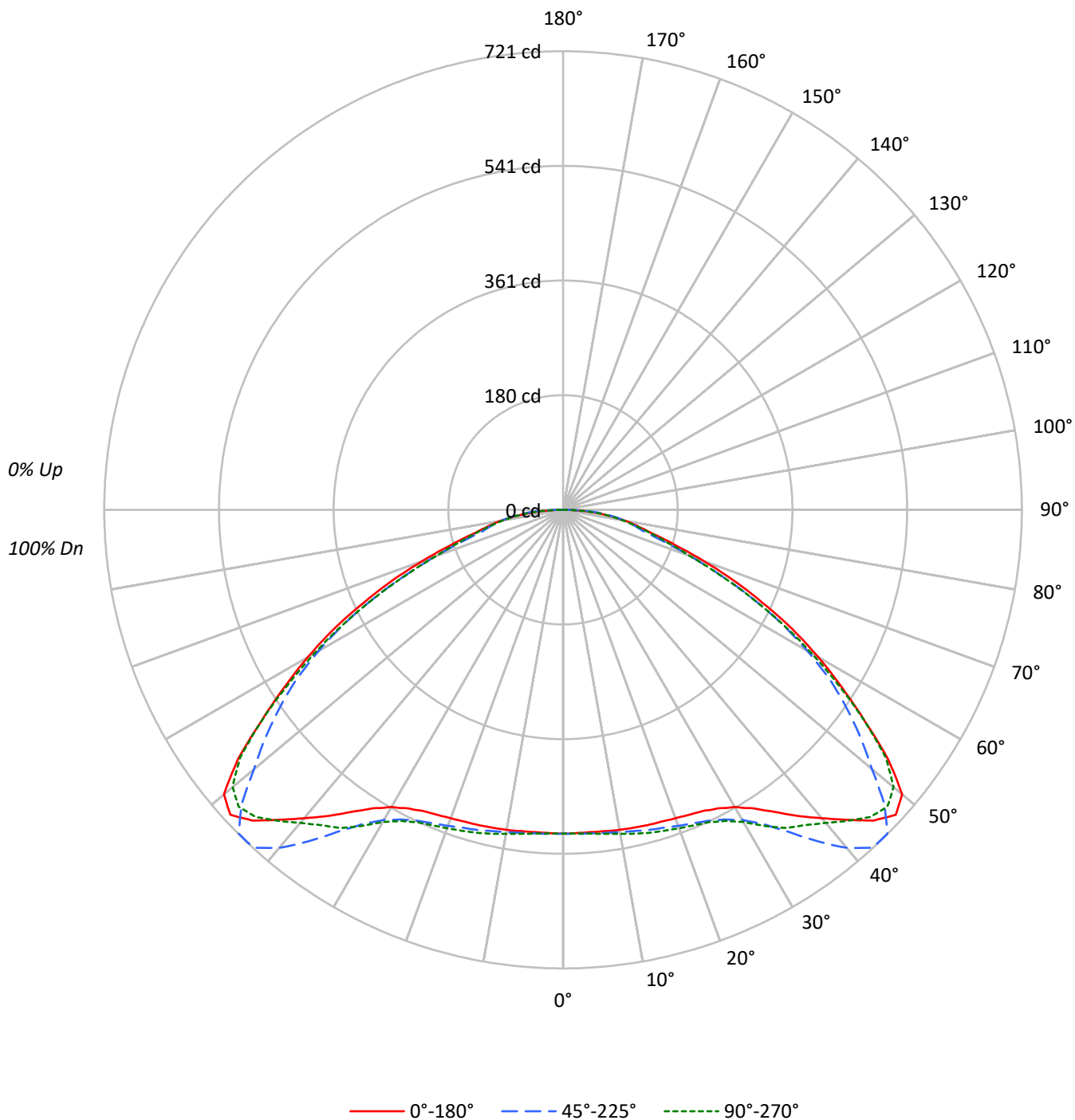
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2408.7 lumens  
Efficiency: N/A  
Efficacy: 142.5 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): 16.9  
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

TEST NUMBER: P1527250

CATALOG NUMBER: 22CGSB-20-A125-L935

### 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 | 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°  | 1370 | 1370 | 1370 |
| 5°  | 1374 | 1379 | 1380 |
| 10° | 1396 | 1406 | 1414 |
| 15° | 1430 | 1451 | 1464 |
| 20° | 1477 | 1514 | 1525 |
| 25° | 1551 | 1602 | 1609 |
| 30° | 1677 | 1749 | 1760 |
| 35° | 1904 | 2030 | 2006 |
| 40° | 2223 | 2437 | 2257 |
| 45° | 2628 | 2742 | 2599 |
| 50° | 2912 | 2653 | 2838 |
| 55° | 2715 | 2555 | 2713 |
| 60° | 2492 | 2385 | 2429 |
| 65° | 2204 | 2080 | 2077 |
| 70° | 1847 | 1665 | 1668 |
| 75° | 1518 | 1362 | 1471 |
| 80° | 1543 | 1537 | 1474 |
| 85° | 1516 | 1825 | 1544 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
Vertical Angle: 50°  
Luminance: 2912 cd/sqm

TEST NUMBER: P1527250

CATALOG NUMBER: 22CGSB-20-A125-L935

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 48.9   | 2.0       |
| 10°-20°   | 147.6  | 6.1       |
| 20°-30°   | 249.6  | 10.4      |
| 30°-40°   | 383.8  | 15.9      |
| 40°-50°   | 533.4  | 22.1      |
| 50°-60°   | 502.1  | 20.8      |
| 60°-70°   | 331.6  | 13.8      |
| 70°-80°   | 154.1  | 6.4       |
| 80°-90°   | 57.7   | 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°    | 446.1  | 18.5      |
| 0°-40°    | 829.9  | 34.5      |
| 0°-60°    | 1865.3 | 77.4      |
| 0°-90°    | 2408.7 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2408.7 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 509 | 509   | 509 | 509   | 509 |      |
| 5°  | 509 | 510   | 510 | 511   | 511 | 49   |
| 15° | 513 | 516   | 521 | 525   | 526 | 146  |
| 25° | 522 | 529   | 540 | 543   | 542 | 243  |
| 35° | 580 | 600   | 618 | 616   | 610 | 367  |
| 45° | 691 | 715   | 721 | 703   | 683 | 528  |
| 55° | 579 | 570   | 545 | 563   | 578 | 519  |
| 65° | 346 | 343   | 327 | 332   | 326 | 344  |
| 75° | 146 | 141   | 131 | 135   | 142 | 163  |
| 85° | 49  | 56    | 59  | 57    | 50  | 54   |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

TEST NUMBER: P1527250

CATALOG NUMBER: 22CGSB-20-A125-L935

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 509.1 | 509.1 | 509.1 | 509.1 | 509.1 |
| 2.5°  | 508.6 | 509.5 | 510.0 | 510.5 | 509.1 |
| 5°    | 508.6 | 510.0 | 510.5 | 511.4 | 510.9 |
| 7.5°  | 509.5 | 510.9 | 512.3 | 513.2 | 513.6 |
| 10°   | 510.9 | 512.3 | 514.5 | 517.3 | 517.3 |
| 12.5° | 511.8 | 514.1 | 517.3 | 520.9 | 521.4 |
| 15°   | 513.2 | 515.5 | 520.9 | 524.6 | 525.5 |
| 17.5° | 514.1 | 517.7 | 524.1 | 528.7 | 529.1 |
| 20°   | 515.9 | 520.0 | 528.7 | 532.7 | 532.7 |
| 22.5° | 518.6 | 524.1 | 533.2 | 536.8 | 536.8 |
| 25°   | 522.3 | 529.1 | 539.6 | 542.8 | 541.8 |
| 27.5° | 529.1 | 537.3 | 548.7 | 552.3 | 551.4 |
| 30°   | 539.6 | 550.5 | 562.8 | 567.3 | 566.4 |
| 32.5° | 556.4 | 570.1 | 585.5 | 589.6 | 589.2 |
| 35°   | 579.6 | 600.1 | 617.8 | 615.5 | 610.5 |
| 37.5° | 606.4 | 636.9 | 656.9 | 635.6 | 624.6 |
| 40°   | 632.8 | 674.2 | 693.8 | 659.2 | 642.4 |
| 42.5° | 661.0 | 703.4 | 720.2 | 686.5 | 662.9 |
| 45°   | 690.6 | 715.2 | 720.6 | 703.4 | 682.9 |
| 47.5° | 709.3 | 696.5 | 684.7 | 695.2 | 691.1 |
| 50°   | 695.6 | 652.9 | 633.7 | 653.8 | 677.9 |
| 52.5° | 643.8 | 612.4 | 590.1 | 608.7 | 639.2 |
| 55°   | 578.7 | 570.5 | 544.6 | 563.2 | 578.2 |
| 57.5° | 519.1 | 525.5 | 497.3 | 511.4 | 513.6 |
| 60°   | 463.1 | 467.7 | 443.1 | 455.0 | 451.3 |
| 62.5° | 406.3 | 406.7 | 387.6 | 394.4 | 389.0 |
| 65°   | 346.2 | 343.0 | 326.7 | 331.7 | 326.2 |
| 67.5° | 289.8 | 282.5 | 267.1 | 269.3 | 264.3 |
| 70°   | 234.8 | 226.1 | 211.6 | 214.7 | 212.0 |
| 72.5° | 185.6 | 178.8 | 166.1 | 170.2 | 172.9 |
| 75°   | 146.0 | 140.6 | 131.0 | 135.1 | 141.5 |
| 77.5° | 121.0 | 114.2 | 115.1 | 112.4 | 116.9 |
| 80°   | 99.6  | 95.5  | 99.2  | 96.4  | 95.1  |
| 82.5° | 74.2  | 78.3  | 79.6  | 81.0  | 74.2  |
| 85°   | 49.1  | 56.4  | 59.1  | 57.3  | 50.0  |
| 87.5° | 24.1  | 30.5  | 31.4  | 30.9  | 25.9  |
| 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 | 16.3             | 18.1 | 16.7 | 18.4 | 18.7 | 16.1           | 17.9 | 16.5 | 18.2 | 18.5 |
|                 | 3H   | 17.6             | 19.2 | 18.0 | 19.5 | 19.9 | 17.3           | 18.9 | 17.7 | 19.2 | 19.6 |
|                 | 4H   | 18.0             | 19.5 | 18.4 | 19.8 | 20.2 | 17.7           | 19.2 | 18.1 | 19.5 | 19.9 |
|                 | 6H   | 18.3             | 19.7 | 18.7 | 20.1 | 20.5 | 18.1           | 19.4 | 18.5 | 19.8 | 20.2 |
|                 | 8H   | 18.5             | 19.8 | 18.9 | 20.2 | 20.6 | 18.2           | 19.5 | 18.6 | 19.9 | 20.3 |
|                 | 12H  | 18.6             | 19.9 | 19.0 | 20.2 | 20.7 | 18.3           | 19.6 | 18.8 | 20.0 | 20.4 |
| 4H              | 2H   | 16.8             | 18.3 | 17.2 | 18.6 | 19.0 | 16.6           | 18.1 | 17.0 | 18.5 | 18.8 |
|                 | 3H   | 18.2             | 19.5 | 18.6 | 19.9 | 20.3 | 18.0           | 19.2 | 18.4 | 19.6 | 20.0 |
|                 | 4H   | 18.7             | 19.8 | 19.1 | 20.2 | 20.7 | 18.5           | 19.6 | 18.9 | 20.0 | 20.4 |
|                 | 6H   | 19.2             | 20.2 | 19.6 | 20.6 | 21.1 | 18.9           | 19.9 | 19.4 | 20.4 | 20.8 |
|                 | 8H   | 19.4             | 20.3 | 19.9 | 20.8 | 21.2 | 19.2           | 20.1 | 19.6 | 20.5 | 21.0 |
|                 | 12H  | 19.6             | 20.4 | 20.1 | 20.9 | 21.4 | 19.4           | 20.2 | 19.9 | 20.7 | 21.2 |
| 8H              | 4H   | 18.9             | 19.8 | 19.3 | 20.3 | 20.7 | 18.7           | 19.6 | 19.1 | 20.0 | 20.5 |
|                 | 6H   | 19.5             | 20.3 | 20.0 | 20.8 | 21.2 | 19.3           | 20.1 | 19.8 | 20.6 | 21.0 |
|                 | 8H   | 19.8             | 20.5 | 20.3 | 21.0 | 21.5 | 19.6           | 20.3 | 20.1 | 20.8 | 21.3 |
|                 | 12H  | 20.1             | 20.7 | 20.6 | 21.2 | 21.8 | 20.0           | 20.6 | 20.5 | 21.1 | 21.6 |
| 12H             | 4H   | 18.9             | 19.8 | 19.4 | 20.2 | 20.7 | 18.7           | 19.5 | 19.2 | 20.0 | 20.5 |
|                 | 6H   | 19.6             | 20.3 | 20.1 | 20.7 | 21.3 | 19.4           | 20.1 | 19.9 | 20.5 | 21.1 |
|                 | 8H   | 19.9             | 20.6 | 20.4 | 21.1 | 21.6 | 19.8           | 20.4 | 20.3 | 20.9 | 21.4 |















(END OF REPORT)