

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: P1527272

Luminaire Tested: 22CGSB-35-A125-L940

Issue Date: 8/24/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1527272  
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-35-A125-L940  
Description: CGTX with A125 Lens Option  
  
Light Source:  
Ballast/Driver: -

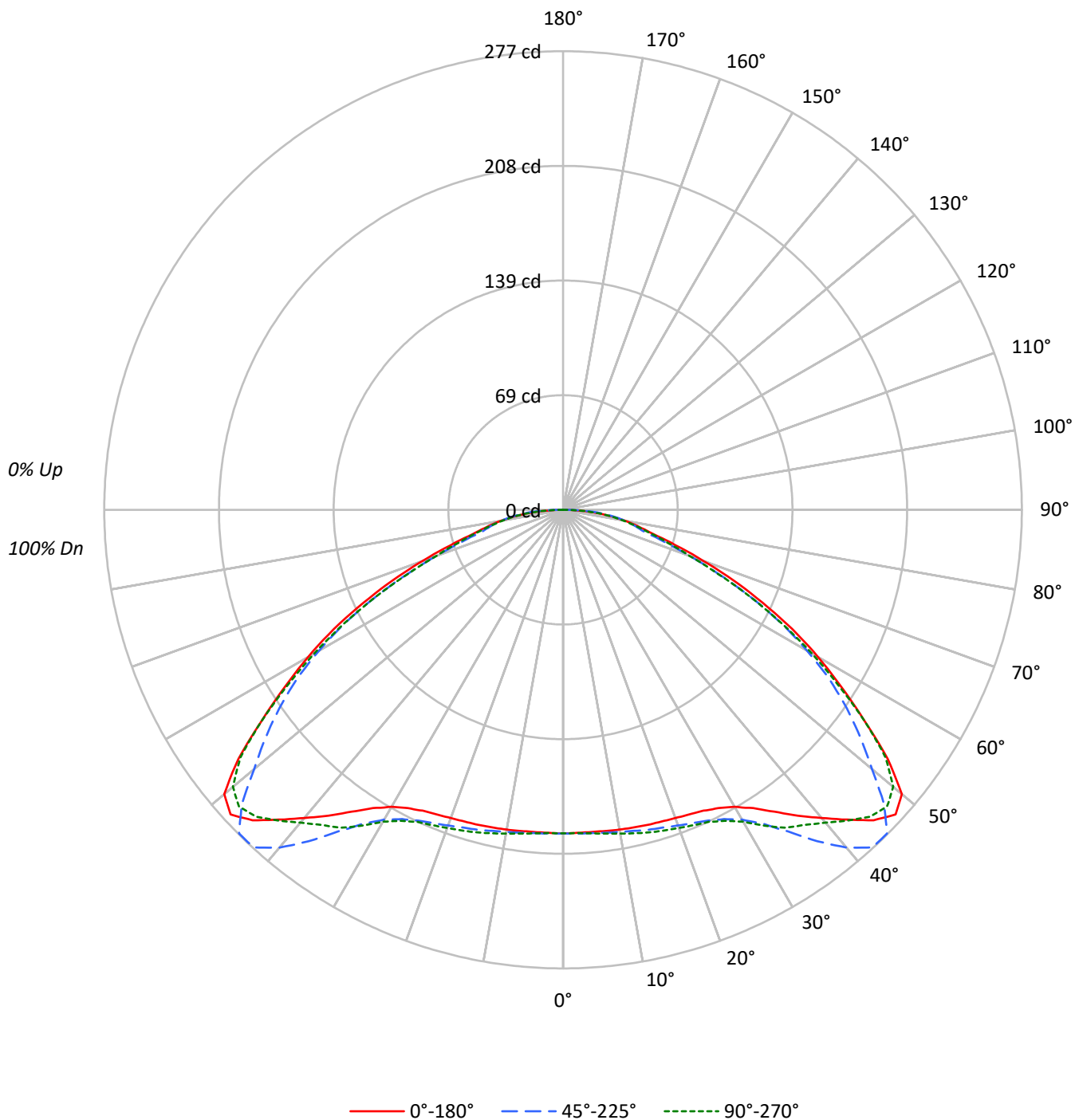
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 924.7 lumens  
Efficiency: N/A  
Efficacy: 31.7 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): 29.2  
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 | 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°  | 526  | 526  | 526  |
| 5°  | 528  | 529  | 530  |
| 10° | 536  | 540  | 543  |
| 15° | 549  | 557  | 562  |
| 20° | 567  | 581  | 586  |
| 25° | 595  | 615  | 618  |
| 30° | 644  | 671  | 676  |
| 35° | 731  | 779  | 770  |
| 40° | 853  | 935  | 866  |
| 45° | 1009 | 1053 | 997  |
| 50° | 1118 | 1019 | 1089 |
| 55° | 1042 | 981  | 1042 |
| 60° | 957  | 915  | 933  |
| 65° | 846  | 798  | 797  |
| 70° | 709  | 639  | 640  |
| 75° | 583  | 523  | 565  |
| 80° | 592  | 590  | 566  |
| 85° | 584  | 701  | 593  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 1118 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 18.8   | 2.0       |
| 10°-20°   | 56.7   | 6.1       |
| 20°-30°   | 95.8   | 10.4      |
| 30°-40°   | 147.3  | 15.9      |
| 40°-50°   | 204.8  | 22.1      |
| 50°-60°   | 192.7  | 20.8      |
| 60°-70°   | 127.3  | 13.8      |
| 70°-80°   | 59.1   | 6.4       |
| 80°-90°   | 22.2   | 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°    | 171.2  | 18.5      |
| 0°-40°    | 318.6  | 34.5      |
| 0°-60°    | 716.1  | 77.4      |
| 0°-90°    | 924.7  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 924.7  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 195 | 195   | 195 | 195   | 195 |      |
| 5°  | 195 | 196   | 196 | 196   | 196 | 19   |
| 15° | 197 | 198   | 200 | 201   | 202 | 56   |
| 25° | 200 | 203   | 207 | 208   | 208 | 93   |
| 35° | 222 | 230   | 237 | 236   | 234 | 141  |
| 45° | 265 | 274   | 277 | 270   | 262 | 203  |
| 55° | 222 | 219   | 209 | 216   | 222 | 199  |
| 65° | 133 | 132   | 125 | 127   | 125 | 132  |
| 75° | 56  | 54    | 50  | 52    | 54  | 63   |
| 85° | 19  | 22    | 23  | 22    | 19  | 21   |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 195.4 | 195.4 | 195.4 | 195.4 | 195.4 |
| 2.5°  | 195.3 | 195.6 | 195.8 | 196.0 | 195.4 |
| 5°    | 195.3 | 195.8 | 196.0 | 196.3 | 196.1 |
| 7.5°  | 195.6 | 196.1 | 196.7 | 197.0 | 197.2 |
| 10°   | 196.1 | 196.7 | 197.5 | 198.6 | 198.6 |
| 12.5° | 196.5 | 197.4 | 198.6 | 200.0 | 200.1 |
| 15°   | 197.0 | 197.9 | 200.0 | 201.4 | 201.7 |
| 17.5° | 197.4 | 198.8 | 201.2 | 202.9 | 203.1 |
| 20°   | 198.1 | 199.6 | 202.9 | 204.5 | 204.5 |
| 22.5° | 199.1 | 201.2 | 204.7 | 206.1 | 206.1 |
| 25°   | 200.5 | 203.1 | 207.1 | 208.4 | 208.0 |
| 27.5° | 203.1 | 206.3 | 210.6 | 212.0 | 211.7 |
| 30°   | 207.1 | 211.3 | 216.0 | 217.8 | 217.4 |
| 32.5° | 213.6 | 218.8 | 224.8 | 226.3 | 226.2 |
| 35°   | 222.5 | 230.4 | 237.2 | 236.3 | 234.4 |
| 37.5° | 232.8 | 244.5 | 252.2 | 244.0 | 239.8 |
| 40°   | 242.9 | 258.8 | 266.3 | 253.1 | 246.6 |
| 42.5° | 253.8 | 270.0 | 276.5 | 263.5 | 254.5 |
| 45°   | 265.1 | 274.5 | 276.6 | 270.0 | 262.1 |
| 47.5° | 272.3 | 267.4 | 262.8 | 266.9 | 265.3 |
| 50°   | 267.0 | 250.6 | 243.3 | 251.0 | 260.2 |
| 52.5° | 247.1 | 235.1 | 226.5 | 233.7 | 245.4 |
| 55°   | 222.2 | 219.0 | 209.1 | 216.2 | 222.0 |
| 57.5° | 199.3 | 201.7 | 190.9 | 196.3 | 197.2 |
| 60°   | 177.8 | 179.5 | 170.1 | 174.7 | 173.3 |
| 62.5° | 156.0 | 156.1 | 148.8 | 151.4 | 149.3 |
| 65°   | 132.9 | 131.7 | 125.4 | 127.3 | 125.2 |
| 67.5° | 111.3 | 108.5 | 102.5 | 103.4 | 101.5 |
| 70°   | 90.1  | 86.8  | 81.2  | 82.4  | 81.4  |
| 72.5° | 71.3  | 68.6  | 63.7  | 65.3  | 66.4  |
| 75°   | 56.1  | 54.0  | 50.3  | 51.9  | 54.3  |
| 77.5° | 46.5  | 43.8  | 44.2  | 43.1  | 44.9  |
| 80°   | 38.2  | 36.7  | 38.1  | 37.0  | 36.5  |
| 82.5° | 28.5  | 30.0  | 30.6  | 31.1  | 28.5  |
| 85°   | 18.9  | 21.7  | 22.7  | 22.0  | 19.2  |
| 87.5° | 9.3   | 11.7  | 12.1  | 11.9  | 10.0  |
| 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 | 13.0             | 14.7 | 13.4 | 15.1 | 15.4 | 12.8           | 14.6 | 13.2 | 14.9 | 15.2 |
|                 | 3H   | 14.3             | 15.9 | 14.6 | 16.2 | 16.5 | 14.0           | 15.6 | 14.4 | 15.9 | 16.3 |
|                 | 4H   | 14.7             | 16.2 | 15.1 | 16.5 | 16.9 | 14.4           | 15.9 | 14.8 | 16.2 | 16.6 |
|                 | 6H   | 15.0             | 16.4 | 15.4 | 16.8 | 17.1 | 14.7           | 16.1 | 15.1 | 16.5 | 16.9 |
|                 | 8H   | 15.1             | 16.5 | 15.6 | 16.9 | 17.3 | 14.9           | 16.2 | 15.3 | 16.6 | 17.0 |
|                 | 12H  | 15.3             | 16.5 | 15.7 | 16.9 | 17.4 | 15.0           | 16.3 | 15.4 | 16.7 | 17.1 |
| 4H              | 2H   | 13.4             | 14.9 | 13.8 | 15.3 | 15.7 | 13.3           | 14.8 | 13.7 | 15.1 | 15.5 |
|                 | 3H   | 14.9             | 16.1 | 15.3 | 16.5 | 16.9 | 14.6           | 15.9 | 15.0 | 16.3 | 16.7 |
|                 | 4H   | 15.4             | 16.5 | 15.8 | 16.9 | 17.4 | 15.1           | 16.3 | 15.6 | 16.7 | 17.1 |
|                 | 6H   | 15.9             | 16.8 | 16.3 | 17.3 | 17.7 | 15.6           | 16.6 | 16.1 | 17.1 | 17.5 |
|                 | 8H   | 16.1             | 17.0 | 16.5 | 17.4 | 17.9 | 15.9           | 16.8 | 16.3 | 17.2 | 17.7 |
|                 | 12H  | 16.3             | 17.1 | 16.7 | 17.6 | 18.0 | 16.1           | 16.9 | 16.5 | 17.4 | 17.8 |
| 8H              | 4H   | 15.6             | 16.5 | 16.0 | 16.9 | 17.4 | 15.3           | 16.3 | 15.8 | 16.7 | 17.2 |
|                 | 6H   | 16.2             | 17.0 | 16.7 | 17.4 | 17.9 | 16.0           | 16.7 | 16.5 | 17.2 | 17.7 |
|                 | 8H   | 16.5             | 17.2 | 17.0 | 17.7 | 18.2 | 16.3           | 17.0 | 16.8 | 17.5 | 18.0 |
|                 | 12H  | 16.8             | 17.4 | 17.3 | 17.9 | 18.4 | 16.6           | 17.3 | 17.1 | 17.7 | 18.3 |
| 12H             | 4H   | 15.6             | 16.4 | 16.1 | 16.9 | 17.4 | 15.4           | 16.2 | 15.8 | 16.7 | 17.2 |
|                 | 6H   | 16.2             | 17.0 | 16.8 | 17.4 | 17.9 | 16.1           | 16.8 | 16.6 | 17.2 | 17.7 |
|                 | 8H   | 16.6             | 17.2 | 17.1 | 17.7 | 18.3 | 16.4           | 17.1 | 17.0 | 17.6 | 18.1 |















(END OF REPORT)