

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: P1526885

Luminaire Tested: 24CGTX-35HE-A125-L935

Issue Date: 8/24/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1526885  
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-35HE-A125-L935  
Description: CGTX with A125 Lens Option  
  
Light Source:  
Ballast/Driver: -

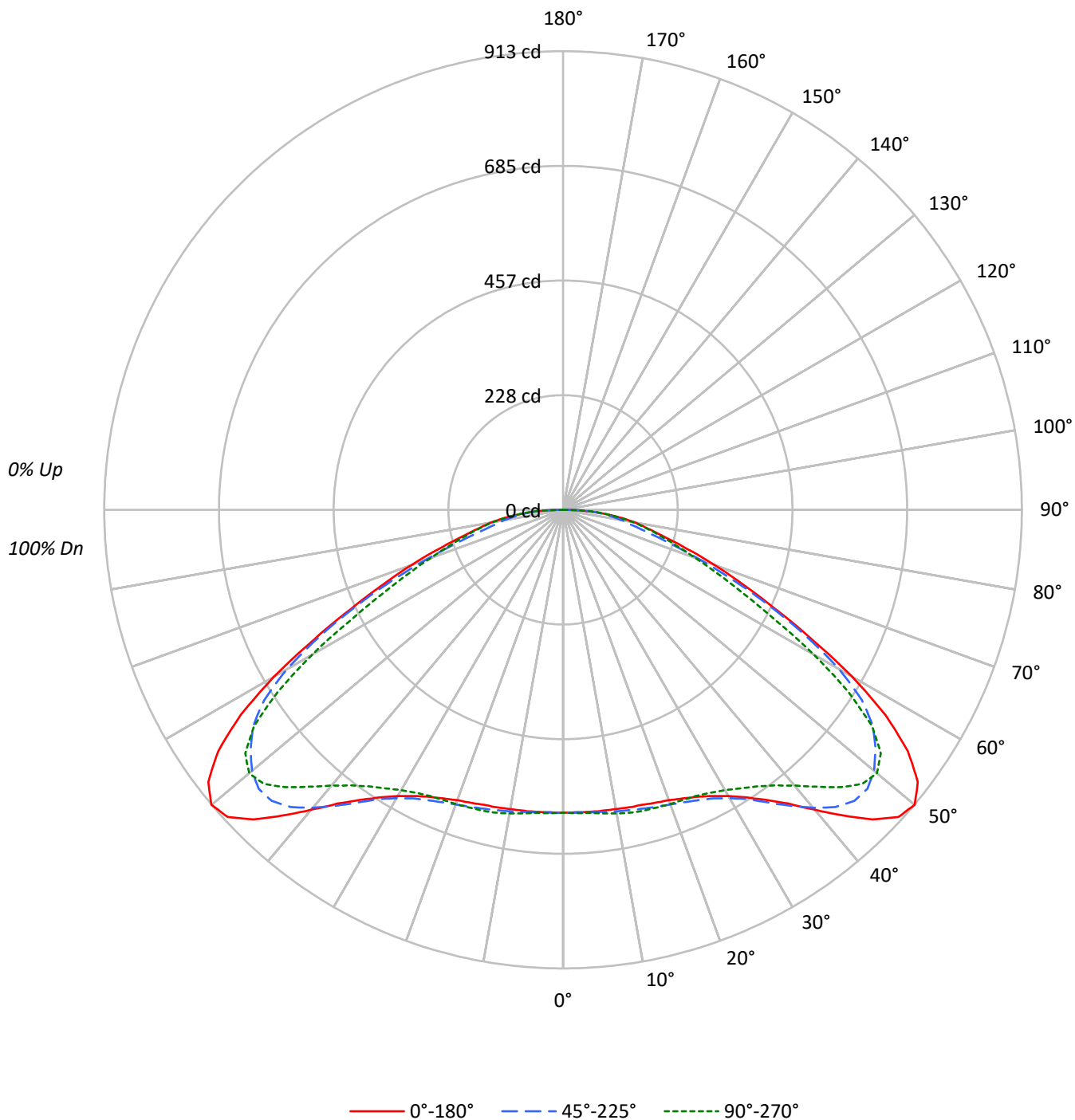
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3010.7 lumens  
Efficiency: N/A  
Efficacy: 117.6 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): 25.6  
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 | 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°  | 811  | 811  | 811  |
| 5°  | 815  | 817  | 818  |
| 10° | 826  | 833  | 838  |
| 15° | 847  | 858  | 863  |
| 20° | 881  | 893  | 892  |
| 25° | 936  | 946  | 932  |
| 30° | 1022 | 1029 | 1001 |
| 35° | 1158 | 1168 | 1104 |
| 40° | 1369 | 1360 | 1258 |
| 45° | 1658 | 1559 | 1486 |
| 50° | 1912 | 1691 | 1707 |
| 55° | 1965 | 1767 | 1761 |
| 60° | 1786 | 1707 | 1550 |
| 65° | 1477 | 1450 | 1265 |
| 70° | 1261 | 1136 | 1099 |
| 75° | 1092 | 905  | 1041 |
| 80° | 1131 | 917  | 1095 |
| 85° | 1142 | 1102 | 1215 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 1967 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 57.9   | 1.9       |
| 10°-20°   | 174.6  | 5.8       |
| 20°-30°   | 294.9  | 9.8       |
| 30°-40°   | 443.9  | 14.7      |
| 40°-50°   | 631.2  | 21.0      |
| 50°-60°   | 677.4  | 22.5      |
| 60°-70°   | 441.4  | 14.7      |
| 70°-80°   | 212.3  | 7.0       |
| 80°-90°   | 77.2   | 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°    | 527.3  | 17.5      |
| 0°-40°    | 971.2  | 32.3      |
| 0°-60°    | 2279.8 | 75.7      |
| 0°-90°    | 3010.7 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 3010.7 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 603 | 603   | 603 | 603   | 603 |      |
| 5°  | 604 | 604   | 605 | 607   | 606 | 58   |
| 15° | 608 | 611   | 616 | 619   | 620 | 173  |
| 25° | 630 | 636   | 638 | 632   | 628 | 293  |
| 35° | 705 | 718   | 711 | 687   | 672 | 447  |
| 45° | 872 | 850   | 820 | 798   | 781 | 669  |
| 55° | 838 | 816   | 753 | 731   | 751 | 733  |
| 65° | 464 | 460   | 456 | 407   | 397 | 469  |
| 75° | 210 | 199   | 174 | 198   | 200 | 231  |
| 85° | 74  | 69    | 71  | 74    | 79  | 81   |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 603.1 | 603.1 | 603.1 | 603.1 | 603.1 |
| 2.5°  | 602.6 | 603.1 | 603.6 | 604.2 | 604.2 |
| 5°    | 603.6 | 604.2 | 604.7 | 606.8 | 605.7 |
| 7.5°  | 604.2 | 604.7 | 606.3 | 609.4 | 609.4 |
| 10°   | 604.7 | 606.3 | 609.4 | 612.5 | 613.6 |
| 12.5° | 606.8 | 608.3 | 612.5 | 616.7 | 617.7 |
| 15°   | 607.8 | 610.9 | 615.6 | 619.3 | 619.8 |
| 17.5° | 611.5 | 614.6 | 619.8 | 621.4 | 621.4 |
| 20°   | 615.1 | 619.3 | 624.0 | 624.0 | 622.9 |
| 22.5° | 621.9 | 626.6 | 630.2 | 627.1 | 625.0 |
| 25°   | 630.2 | 636.0 | 637.5 | 631.8 | 628.1 |
| 27.5° | 642.2 | 649.5 | 647.4 | 639.6 | 634.9 |
| 30°   | 657.9 | 667.2 | 662.6 | 651.1 | 644.3 |
| 32.5° | 678.7 | 690.2 | 682.4 | 667.8 | 657.3 |
| 35°   | 704.8 | 718.3 | 711.0 | 687.1 | 671.9 |
| 37.5° | 737.1 | 751.2 | 742.3 | 711.6 | 691.2 |
| 40°   | 779.3 | 786.6 | 774.1 | 740.7 | 716.2 |
| 42.5° | 825.2 | 821.5 | 802.3 | 771.5 | 747.5 |
| 45°   | 871.6 | 850.2 | 819.5 | 798.1 | 780.9 |
| 47.5° | 905.0 | 865.3 | 821.5 | 810.6 | 807.5 |
| 50°   | 913.3 | 862.2 | 808.0 | 803.8 | 815.3 |
| 52.5° | 889.8 | 845.5 | 783.5 | 776.2 | 797.0 |
| 55°   | 837.7 | 816.3 | 753.3 | 731.4 | 750.6 |
| 57.5° | 761.1 | 759.5 | 705.3 | 666.2 | 671.4 |
| 60°   | 663.6 | 669.9 | 634.4 | 579.1 | 576.0 |
| 62.5° | 558.3 | 561.9 | 546.3 | 489.0 | 478.0 |
| 65°   | 463.9 | 460.3 | 455.6 | 406.6 | 397.2 |
| 67.5° | 386.3 | 375.3 | 368.0 | 338.3 | 333.6 |
| 70°   | 320.6 | 303.4 | 288.8 | 284.1 | 279.4 |
| 72.5° | 259.6 | 247.1 | 223.6 | 236.7 | 236.1 |
| 75°   | 210.1 | 198.6 | 174.1 | 198.1 | 200.2 |
| 77.5° | 172.0 | 164.2 | 140.7 | 162.6 | 169.4 |
| 80°   | 146.0 | 129.8 | 118.3 | 132.4 | 141.3 |
| 82.5° | 111.6 | 99.0  | 96.4  | 102.2 | 110.5 |
| 85°   | 74.0  | 69.3  | 71.4  | 73.5  | 78.7  |
| 87.5° | 37.5  | 40.1  | 43.3  | 46.9  | 49.5  |
| 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 | 15.7             | 17.5 | 16.0 | 17.8 | 18.1 | 14.8           | 16.5 | 15.1 | 16.9 | 17.2 |
|                 | 3H   | 16.8             | 18.4 | 17.1 | 18.7 | 19.1 | 15.9           | 17.5 | 16.3 | 17.8 | 18.2 |
|                 | 4H   | 17.2             | 18.7 | 17.6 | 19.0 | 19.4 | 16.4           | 17.9 | 16.8 | 18.2 | 18.6 |
|                 | 6H   | 17.5             | 18.9 | 17.9 | 19.3 | 19.7 | 16.8           | 18.2 | 17.2 | 18.6 | 19.0 |
|                 | 8H   | 17.7             | 19.0 | 18.1 | 19.4 | 19.8 | 17.0           | 18.4 | 17.4 | 18.7 | 19.1 |
|                 | 12H  | 17.8             | 19.1 | 18.2 | 19.5 | 19.9 | 17.2           | 18.5 | 17.6 | 18.9 | 19.3 |
| 4H              | 2H   | 16.1             | 17.6 | 16.5 | 18.0 | 18.3 | 15.3           | 16.8 | 15.7 | 17.2 | 17.6 |
|                 | 3H   | 17.4             | 18.6 | 17.8 | 19.0 | 19.4 | 16.6           | 17.9 | 17.0 | 18.3 | 18.7 |
|                 | 4H   | 17.9             | 19.0 | 18.3 | 19.4 | 19.9 | 17.2           | 18.4 | 17.7 | 18.8 | 19.2 |
|                 | 6H   | 18.4             | 19.4 | 18.8 | 19.8 | 20.3 | 17.8           | 18.8 | 18.3 | 19.3 | 19.7 |
|                 | 8H   | 18.6             | 19.5 | 19.0 | 20.0 | 20.4 | 18.1           | 19.0 | 18.5 | 19.5 | 19.9 |
|                 | 12H  | 18.8             | 19.6 | 19.2 | 20.1 | 20.6 | 18.3           | 19.2 | 18.8 | 19.6 | 20.1 |
| 8H              | 4H   | 18.0             | 19.0 | 18.5 | 19.4 | 19.9 | 17.4           | 18.4 | 17.9 | 18.8 | 19.3 |
|                 | 6H   | 18.6             | 19.4 | 19.1 | 19.9 | 20.4 | 18.1           | 18.9 | 18.6 | 19.4 | 19.9 |
|                 | 8H   | 18.9             | 19.6 | 19.4 | 20.1 | 20.6 | 18.5           | 19.2 | 19.0 | 19.7 | 20.2 |
|                 | 12H  | 19.2             | 19.9 | 19.7 | 20.3 | 20.9 | 18.8           | 19.5 | 19.3 | 20.0 | 20.5 |
| 12H             | 4H   | 18.1             | 18.9 | 18.5 | 19.4 | 19.9 | 17.5           | 18.3 | 17.9 | 18.8 | 19.3 |
|                 | 6H   | 18.7             | 19.4 | 19.2 | 19.9 | 20.4 | 18.2           | 18.9 | 18.7 | 19.4 | 19.9 |
|                 | 8H   | 19.0             | 19.7 | 19.5 | 20.2 | 20.7 | 18.6           | 19.3 | 19.1 | 19.7 | 20.3 |













(END OF REPORT)