

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: P1526866

Luminaire Tested: 24CGTX-30-A125-L835

Issue Date: 8/24/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1526866  
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-30-A125-L835  
Description: CGTX with A125 Lens Option  
  
Light Source:  
Ballast/Driver: -

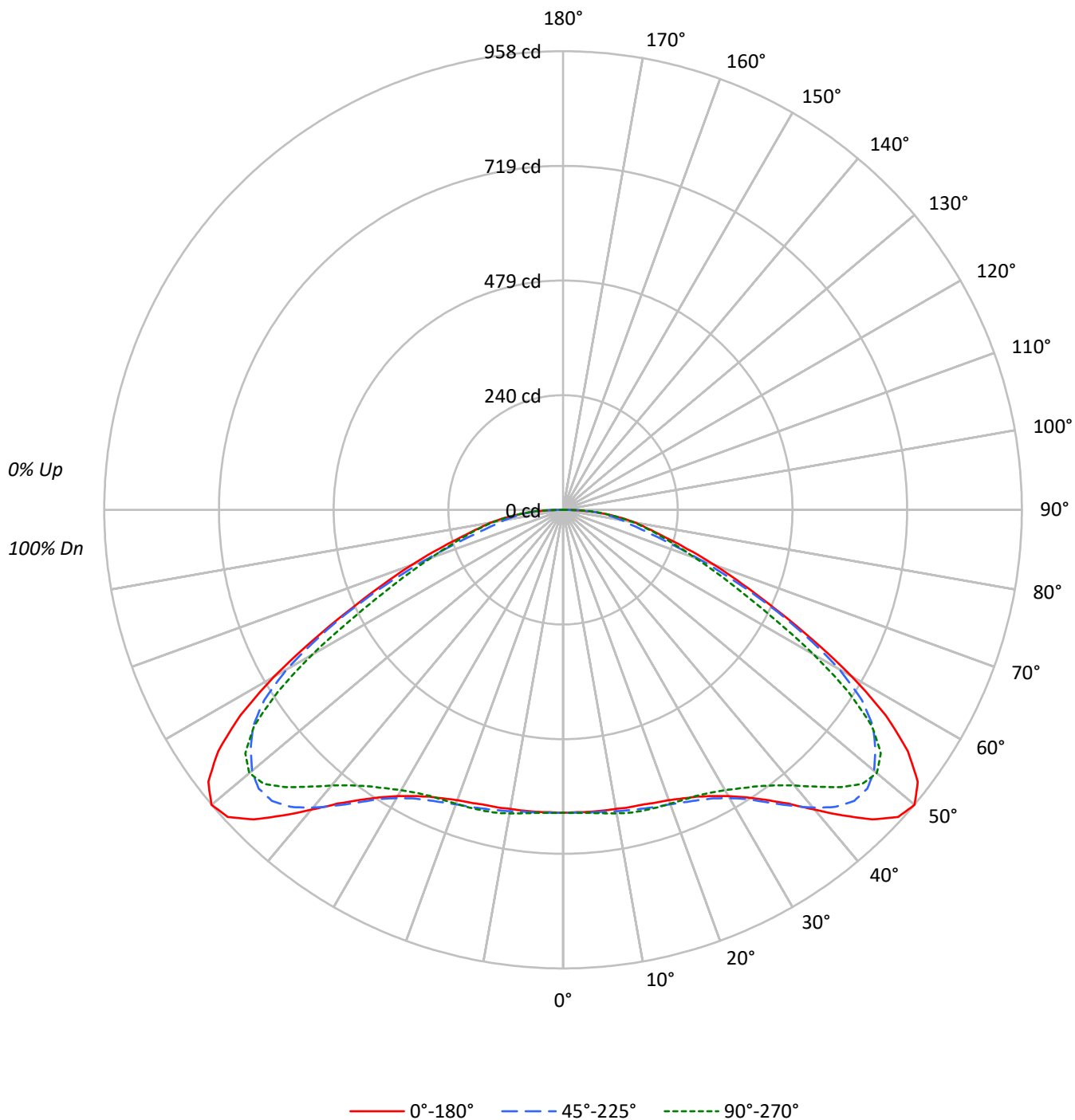
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3158.6 lumens  
Efficiency: N/A  
Efficacy: 133.3 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): 23.7  
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: P1526866

CATALOG NUMBER: 24CGTX-30-A125-L835

### Luminous Intensity Polar Plot



TEST NUMBER: P1526866

CATALOG NUMBER: 24CGTX-30-A125-L835

**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  | 50  | 30 | 10 |
| 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°  | 851  | 851  | 851  |
| 5°  | 855  | 857  | 858  |
| 10° | 867  | 873  | 879  |
| 15° | 888  | 900  | 906  |
| 20° | 924  | 937  | 936  |
| 25° | 982  | 993  | 978  |
| 30° | 1072 | 1080 | 1050 |
| 35° | 1214 | 1225 | 1158 |
| 40° | 1436 | 1426 | 1320 |
| 45° | 1740 | 1636 | 1559 |
| 50° | 2006 | 1774 | 1790 |
| 55° | 2062 | 1854 | 1847 |
| 60° | 1873 | 1791 | 1626 |
| 65° | 1550 | 1522 | 1327 |
| 70° | 1323 | 1192 | 1153 |
| 75° | 1146 | 950  | 1092 |
| 80° | 1186 | 962  | 1148 |
| 85° | 1200 | 1156 | 1275 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 2063 cd/sqm

TEST NUMBER: P1526866

CATALOG NUMBER: 24CGTX-30-A125-L835

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 60.7   | 1.9       |
| 10°-20°   | 183.1  | 5.8       |
| 20°-30°   | 309.3  | 9.8       |
| 30°-40°   | 465.7  | 14.7      |
| 40°-50°   | 662.2  | 21.0      |
| 50°-60°   | 710.7  | 22.5      |
| 60°-70°   | 463.1  | 14.7      |
| 70°-80°   | 222.7  | 7.1       |
| 80°-90°   | 81.0   | 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°    | 553.2  | 17.5      |
| 0°-40°    | 1018.9 | 32.3      |
| 0°-60°    | 2391.8 | 75.7      |
| 0°-90°    | 3158.6 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 3158.6 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 633 | 633   | 633 | 633   | 633 |      |
| 5°  | 633 | 634   | 634 | 637   | 636 | 60   |
| 15° | 638 | 641   | 646 | 650   | 650 | 181  |
| 25° | 661 | 667   | 669 | 663   | 659 | 308  |
| 35° | 739 | 754   | 746 | 721   | 705 | 469  |
| 45° | 914 | 892   | 860 | 837   | 819 | 702  |
| 55° | 879 | 856   | 790 | 767   | 788 | 769  |
| 65° | 487 | 483   | 478 | 427   | 417 | 492  |
| 75° | 220 | 208   | 183 | 208   | 210 | 242  |
| 85° | 78  | 73    | 75  | 77    | 83  | 85   |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

TEST NUMBER: P1526866

CATALOG NUMBER: 24CGTX-30-A125-L835

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 632.8 | 632.8 | 632.8 | 632.8 | 632.8 |
| 2.5°  | 632.2 | 632.8 | 633.3 | 633.8 | 633.8 |
| 5°    | 633.3 | 633.8 | 634.4 | 636.6 | 635.5 |
| 7.5°  | 633.8 | 634.4 | 636.0 | 639.3 | 639.3 |
| 10°   | 634.4 | 636.0 | 639.3 | 642.6 | 643.7 |
| 12.5° | 636.6 | 638.2 | 642.6 | 647.0 | 648.1 |
| 15°   | 637.7 | 641.0 | 645.9 | 649.7 | 650.3 |
| 17.5° | 641.5 | 644.8 | 650.3 | 651.9 | 651.9 |
| 20°   | 645.3 | 649.7 | 654.6 | 654.6 | 653.5 |
| 22.5° | 652.4 | 657.4 | 661.2 | 657.9 | 655.7 |
| 25°   | 661.2 | 667.2 | 668.9 | 662.8 | 659.0 |
| 27.5° | 673.8 | 681.4 | 679.2 | 671.0 | 666.1 |
| 30°   | 690.2 | 700.0 | 695.1 | 683.1 | 676.0 |
| 32.5° | 712.1 | 724.1 | 715.9 | 700.6 | 689.6 |
| 35°   | 739.4 | 753.6 | 746.0 | 720.8 | 704.9 |
| 37.5° | 773.3 | 788.1 | 778.8 | 746.5 | 725.2 |
| 40°   | 817.6 | 825.3 | 812.1 | 777.1 | 751.4 |
| 42.5° | 865.7 | 861.9 | 841.7 | 809.4 | 784.2 |
| 45°   | 914.4 | 892.0 | 859.7 | 837.3 | 819.2 |
| 47.5° | 949.4 | 907.8 | 861.9 | 850.4 | 847.1 |
| 50°   | 958.2 | 904.6 | 847.7 | 843.3 | 855.3 |
| 52.5° | 933.5 | 887.1 | 822.0 | 814.3 | 836.2 |
| 55°   | 878.9 | 856.4 | 790.3 | 767.3 | 787.5 |
| 57.5° | 798.5 | 796.8 | 739.9 | 698.9 | 704.4 |
| 60°   | 696.2 | 702.8 | 665.6 | 607.6 | 604.3 |
| 62.5° | 585.7 | 589.6 | 573.1 | 513.0 | 501.5 |
| 65°   | 486.7 | 482.9 | 478.0 | 426.6 | 416.7 |
| 67.5° | 405.2 | 393.8 | 386.1 | 354.9 | 350.0 |
| 70°   | 336.3 | 318.3 | 303.0 | 298.1 | 293.1 |
| 72.5° | 272.4 | 259.2 | 234.6 | 248.3 | 247.7 |
| 75°   | 220.4 | 208.4 | 182.7 | 207.8 | 210.0 |
| 77.5° | 180.5 | 172.3 | 147.7 | 170.6 | 177.7 |
| 80°   | 153.1 | 136.2 | 124.1 | 138.9 | 148.2 |
| 82.5° | 117.0 | 103.9 | 101.2 | 107.2 | 115.9 |
| 85°   | 77.7  | 72.7  | 74.9  | 77.1  | 82.6  |
| 87.5° | 39.4  | 42.1  | 45.4  | 49.2  | 52.0  |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

TEST NUMBER: P1526866

CATALOG NUMBER: 24CGTX-30-A125-L835

**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 | 15.8             | 17.6 | 16.2 | 17.9 | 18.2 | 14.9           | 16.7 | 15.3 | 17.0 | 17.3 |
|                 | 3H   | 16.9             | 18.6 | 17.3 | 18.9 | 19.2 | 16.1           | 17.7 | 16.4 | 18.0 | 18.4 |
|                 | 4H   | 17.3             | 18.9 | 17.7 | 19.2 | 19.6 | 16.5           | 18.0 | 16.9 | 18.4 | 18.8 |
|                 | 6H   | 17.7             | 19.1 | 18.1 | 19.5 | 19.9 | 17.0           | 18.4 | 17.4 | 18.7 | 19.1 |
|                 | 8H   | 17.8             | 19.2 | 18.3 | 19.6 | 20.0 | 17.2           | 18.5 | 17.6 | 18.9 | 19.3 |
|                 | 12H  | 18.0             | 19.3 | 18.4 | 19.7 | 20.1 | 17.3           | 18.6 | 17.8 | 19.0 | 19.4 |
| 4H              | 2H   | 16.2             | 17.8 | 16.6 | 18.1 | 18.5 | 15.5           | 17.0 | 15.9 | 17.4 | 17.7 |
|                 | 3H   | 17.5             | 18.8 | 17.9 | 19.2 | 19.6 | 16.8           | 18.1 | 17.2 | 18.5 | 18.9 |
|                 | 4H   | 18.0             | 19.2 | 18.5 | 19.6 | 20.0 | 17.4           | 18.5 | 17.8 | 19.0 | 19.4 |
|                 | 6H   | 18.5             | 19.5 | 19.0 | 20.0 | 20.4 | 18.0           | 19.0 | 18.4 | 19.4 | 19.9 |
|                 | 8H   | 18.7             | 19.7 | 19.2 | 20.1 | 20.6 | 18.2           | 19.2 | 18.7 | 19.6 | 20.1 |
|                 | 12H  | 18.9             | 19.8 | 19.4 | 20.3 | 20.7 | 18.5           | 19.3 | 19.0 | 19.8 | 20.3 |
| 8H              | 4H   | 18.2             | 19.1 | 18.6 | 19.6 | 20.0 | 17.6           | 18.6 | 18.1 | 19.0 | 19.5 |
|                 | 6H   | 18.8             | 19.6 | 19.3 | 20.1 | 20.5 | 18.3           | 19.1 | 18.8 | 19.6 | 20.1 |
|                 | 8H   | 19.1             | 19.8 | 19.6 | 20.3 | 20.8 | 18.7           | 19.4 | 19.2 | 19.9 | 20.4 |
|                 | 12H  | 19.4             | 20.0 | 19.9 | 20.5 | 21.1 | 19.0           | 19.7 | 19.5 | 20.1 | 20.7 |
| 12H             | 4H   | 18.2             | 19.1 | 18.7 | 19.6 | 20.0 | 17.6           | 18.5 | 18.1 | 19.0 | 19.4 |
|                 | 6H   | 18.9             | 19.6 | 19.4 | 20.0 | 20.6 | 18.4           | 19.1 | 18.9 | 19.6 | 20.1 |
|                 | 8H   | 19.2             | 19.8 | 19.7 | 20.3 | 20.9 | 18.8           | 19.4 | 19.3 | 19.9 | 20.5 |















(END OF REPORT)