

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: P1527037

Luminaire Tested: 22CGTX-35HE-F125-L940

Issue Date: 8/24/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1527037  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/24/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 22CGTX-35HE-F125-L940  
Description: CGTX with F125 Lens Option  
  
Light Source:  
Ballast/Driver: -

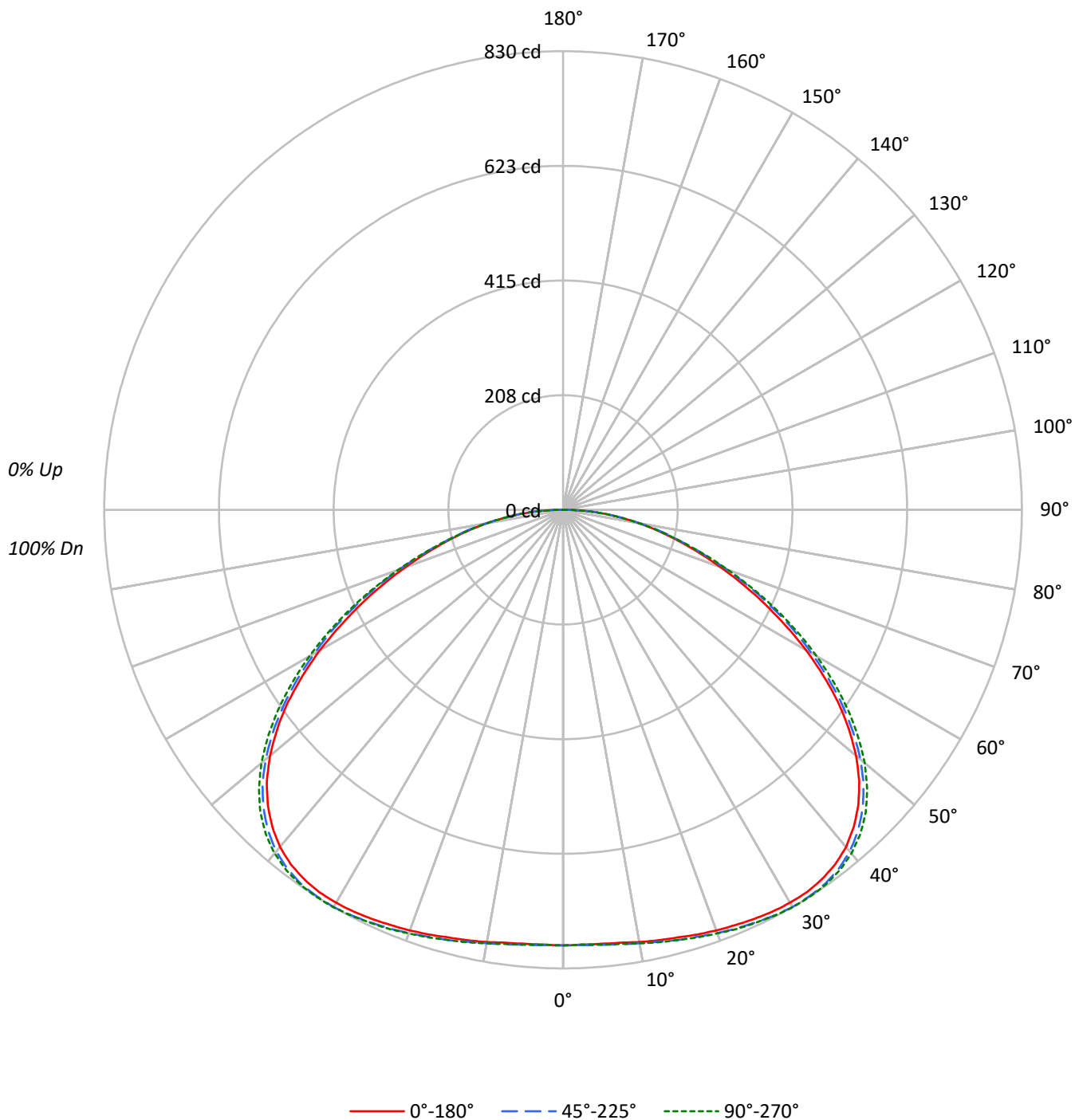
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3060.0 lumens  
Efficiency: N/A  
Efficacy: 112.5 lumens/watt  
Spacing Criteria (0/90/45): 1.56 / 1.58 / 1.65  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 27.2  
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  |
| 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 | 102 | 102 | 100 |
| 1   | 108 | 103 | 98  | 94  | 105 | 101 | 97  | 93  | 96  | 93  | 90  | 92  | 90  | 87  | 89  | 87  | 84  | 84  | 84  | 82  |
| 2   | 98  | 89  | 82  | 76  | 95  | 87  | 80  | 75  | 83  | 78  | 73  | 80  | 75  | 71  | 77  | 73  | 70  | 70  | 70  | 67  |
| 3   | 89  | 77  | 69  | 62  | 86  | 76  | 68  | 61  | 73  | 66  | 60  | 70  | 64  | 59  | 67  | 62  | 58  | 58  | 58  | 56  |
| 4   | 81  | 68  | 59  | 52  | 78  | 67  | 58  | 51  | 64  | 57  | 51  | 62  | 55  | 50  | 59  | 54  | 49  | 49  | 49  | 47  |
| 5   | 74  | 60  | 51  | 44  | 72  | 59  | 50  | 44  | 57  | 49  | 43  | 55  | 48  | 43  | 53  | 47  | 42  | 42  | 42  | 40  |
| 6   | 68  | 54  | 45  | 38  | 66  | 53  | 44  | 38  | 51  | 43  | 37  | 49  | 42  | 37  | 48  | 41  | 37  | 37  | 37  | 34  |
| 7   | 63  | 49  | 39  | 33  | 61  | 48  | 39  | 33  | 46  | 38  | 33  | 45  | 38  | 32  | 43  | 37  | 32  | 32  | 32  | 30  |
| 8   | 58  | 44  | 35  | 29  | 57  | 43  | 35  | 29  | 42  | 34  | 29  | 41  | 34  | 29  | 39  | 33  | 28  | 28  | 28  | 26  |
| 9   | 54  | 40  | 32  | 26  | 53  | 40  | 31  | 26  | 38  | 31  | 26  | 37  | 30  | 26  | 36  | 30  | 25  | 25  | 25  | 24  |
| 10  | 51  | 37  | 29  | 23  | 49  | 36  | 29  | 23  | 35  | 28  | 23  | 34  | 28  | 23  | 34  | 27  | 23  | 23  | 23  | 21  |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 2121 | 2121 | 2121 |
| 5°  | 2129 | 2134 | 2134 |
| 10° | 2170 | 2176 | 2176 |
| 15° | 2232 | 2245 | 2245 |
| 20° | 2320 | 2335 | 2336 |
| 25° | 2426 | 2447 | 2448 |
| 30° | 2551 | 2579 | 2581 |
| 35° | 2682 | 2715 | 2720 |
| 40° | 2798 | 2835 | 2851 |
| 45° | 2875 | 2915 | 2947 |
| 50° | 2896 | 2940 | 2982 |
| 55° | 2852 | 2896 | 2948 |
| 60° | 2733 | 2793 | 2852 |
| 65° | 2562 | 2655 | 2700 |
| 70° | 2382 | 2470 | 2497 |
| 75° | 2234 | 2296 | 2296 |
| 80° | 2160 | 2187 | 2170 |
| 85° | 2096 | 2171 | 2096 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 50°

Luminance: 2982 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 75.6   | 2.5       |
| 10°-20°   | 228.4  | 7.5       |
| 20°-30°   | 380.7  | 12.4      |
| 30°-40°   | 515.8  | 16.9      |
| 40°-50°   | 588.3  | 19.2      |
| 50°-60°   | 549.9  | 18.0      |
| 60°-70°   | 410.7  | 13.4      |
| 70°-80°   | 234.5  | 7.7       |
| 80°-90°   | 76.1   | 2.5       |
| 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       |
| <hr/>     |        |           |
| 0°-30°    | 684.8  | 22.4      |
| 0°-40°    | 1200.6 | 39.2      |
| 0°-60°    | 2338.7 | 76.4      |
| 0°-90°    | 3060.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 3060.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 788 | 788   | 788 | 788   | 788 |      |
| 5°  | 788 | 790   | 790 | 791   | 790 | 75   |
| 15° | 801 | 804   | 806 | 806   | 806 | 227  |
| 25° | 817 | 820   | 824 | 825   | 825 | 378  |
| 35° | 816 | 820   | 826 | 829   | 828 | 511  |
| 45° | 756 | 759   | 766 | 771   | 774 | 581  |
| 55° | 608 | 610   | 617 | 624   | 628 | 541  |
| 65° | 402 | 408   | 417 | 419   | 424 | 399  |
| 75° | 215 | 218   | 221 | 221   | 221 | 229  |
| 85° | 68  | 71    | 70  | 69    | 68  | 75   |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 788.3 | 788.3 | 788.3 | 788.3 | 788.3 |
| 2.5°  | 787.7 | 788.3 | 788.3 | 789.5 | 787.7 |
| 5°    | 788.3 | 789.5 | 790.1 | 790.7 | 790.1 |
| 7.5°  | 790.1 | 791.8 | 793.0 | 793.6 | 792.4 |
| 10°   | 794.2 | 795.3 | 796.5 | 797.7 | 796.5 |
| 12.5° | 797.7 | 799.4 | 800.6 | 802.4 | 801.8 |
| 15°   | 801.2 | 803.5 | 805.9 | 806.5 | 805.9 |
| 17.5° | 805.9 | 807.6 | 810.0 | 811.2 | 811.2 |
| 20°   | 810.0 | 812.3 | 815.3 | 816.4 | 815.8 |
| 22.5° | 813.5 | 816.4 | 819.9 | 821.7 | 821.1 |
| 25°   | 817.0 | 819.9 | 824.0 | 825.2 | 824.6 |
| 27.5° | 819.9 | 823.5 | 827.6 | 829.3 | 828.1 |
| 30°   | 821.1 | 824.6 | 829.9 | 831.1 | 830.5 |
| 32.5° | 820.5 | 824.0 | 829.3 | 831.1 | 830.5 |
| 35°   | 816.4 | 820.5 | 826.4 | 828.7 | 828.1 |
| 37.5° | 808.8 | 812.9 | 818.8 | 821.7 | 822.3 |
| 40°   | 796.5 | 800.6 | 807.1 | 811.2 | 811.7 |
| 42.5° | 778.4 | 782.5 | 789.5 | 794.2 | 795.9 |
| 45°   | 755.5 | 759.0 | 766.1 | 771.3 | 774.3 |
| 47.5° | 726.8 | 729.7 | 737.4 | 743.2 | 746.1 |
| 50°   | 691.7 | 694.6 | 702.2 | 708.1 | 712.2 |
| 52.5° | 651.9 | 654.2 | 661.8 | 668.8 | 672.4 |
| 55°   | 607.9 | 609.7 | 617.3 | 624.3 | 628.4 |
| 57.5° | 558.1 | 563.4 | 569.3 | 575.7 | 580.4 |
| 60°   | 507.8 | 511.9 | 518.9 | 525.3 | 530.0 |
| 62.5° | 453.9 | 461.5 | 469.7 | 473.2 | 477.3 |
| 65°   | 402.4 | 408.2 | 417.0 | 419.3 | 424.0 |
| 67.5° | 351.4 | 357.8 | 365.5 | 367.2 | 370.1 |
| 70°   | 302.8 | 308.1 | 313.9 | 316.3 | 317.4 |
| 72.5° | 257.1 | 261.2 | 265.3 | 267.1 | 267.1 |
| 75°   | 214.9 | 218.5 | 220.8 | 221.4 | 220.8 |
| 77.5° | 176.9 | 177.5 | 182.7 | 179.2 | 178.6 |
| 80°   | 139.4 | 139.4 | 141.1 | 141.1 | 140.0 |
| 82.5° | 103.1 | 105.4 | 104.8 | 104.2 | 102.5 |
| 85°   | 67.9  | 70.9  | 70.3  | 69.1  | 67.9  |
| 87.5° | 33.4  | 36.9  | 35.1  | 36.9  | 34.0  |
| 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 | 16.0             | 17.8 | 16.4 | 18.1 | 18.4 | 16.2           | 17.9 | 16.6 | 18.2 | 18.6 |
|                 | 3H   | 17.7             | 19.3 | 18.1 | 19.6 | 20.0 | 17.9           | 19.5 | 18.3 | 19.8 | 20.2 |
|                 | 4H   | 18.4             | 19.8 | 18.8 | 20.2 | 20.6 | 18.6           | 20.0 | 19.0 | 20.4 | 20.8 |
|                 | 6H   | 18.9             | 20.3 | 19.3 | 20.6 | 21.0 | 19.1           | 20.5 | 19.5 | 20.8 | 21.2 |
|                 | 8H   | 19.1             | 20.4 | 19.5 | 20.8 | 21.2 | 19.3           | 20.6 | 19.7 | 21.0 | 21.4 |
|                 | 12H  | 19.3             | 20.5 | 19.7 | 20.9 | 21.3 | 19.4           | 20.7 | 19.8 | 21.0 | 21.5 |
| 4H              | 2H   | 16.7             | 18.2 | 17.1 | 18.5 | 18.9 | 16.8           | 18.3 | 17.2 | 18.6 | 19.0 |
|                 | 3H   | 18.6             | 19.8 | 19.0 | 20.2 | 20.6 | 18.8           | 20.0 | 19.2 | 20.4 | 20.8 |
|                 | 4H   | 19.4             | 20.5 | 19.8 | 20.9 | 21.3 | 19.6           | 20.7 | 20.0 | 21.1 | 21.5 |
|                 | 6H   | 20.1             | 21.0 | 20.5 | 21.5 | 21.9 | 20.2           | 21.2 | 20.6 | 21.6 | 22.1 |
|                 | 8H   | 20.3             | 21.2 | 20.8 | 21.7 | 22.1 | 20.4           | 21.4 | 20.9 | 21.8 | 22.3 |
|                 | 12H  | 20.5             | 21.3 | 21.0 | 21.8 | 22.3 | 20.6           | 21.5 | 21.1 | 21.9 | 22.4 |
| 8H              | 4H   | 19.7             | 20.6 | 20.2 | 21.1 | 21.5 | 19.9           | 20.8 | 20.3 | 21.2 | 21.7 |
|                 | 6H   | 20.5             | 21.3 | 21.0 | 21.8 | 22.3 | 20.7           | 21.4 | 21.1 | 21.9 | 22.4 |
|                 | 8H   | 20.9             | 21.6 | 21.4 | 22.1 | 22.6 | 21.0           | 21.7 | 21.5 | 22.2 | 22.7 |
|                 | 12H  | 21.2             | 21.8 | 21.7 | 22.3 | 22.8 | 21.3           | 21.9 | 21.8 | 22.4 | 22.9 |
| 12H             | 4H   | 19.8             | 20.6 | 20.2 | 21.1 | 21.5 | 19.9           | 20.7 | 20.4 | 21.2 | 21.7 |
|                 | 6H   | 20.6             | 21.3 | 21.1 | 21.8 | 22.3 | 20.7           | 21.4 | 21.3 | 21.9 | 22.4 |
|                 | 8H   | 21.0             | 21.6 | 21.5 | 22.1 | 22.7 | 21.1           | 21.7 | 21.6 | 22.2 | 22.8 |















(END OF REPORT)