

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: P1526970

Luminaire Tested: 14CGTX-30-F125-L840

Issue Date: 8/24/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1526970  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/24/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 14CGTX-30-F125-L840  
Description: CGTX with F125 Lens Option  
  
Light Source:  
Ballast/Driver: -

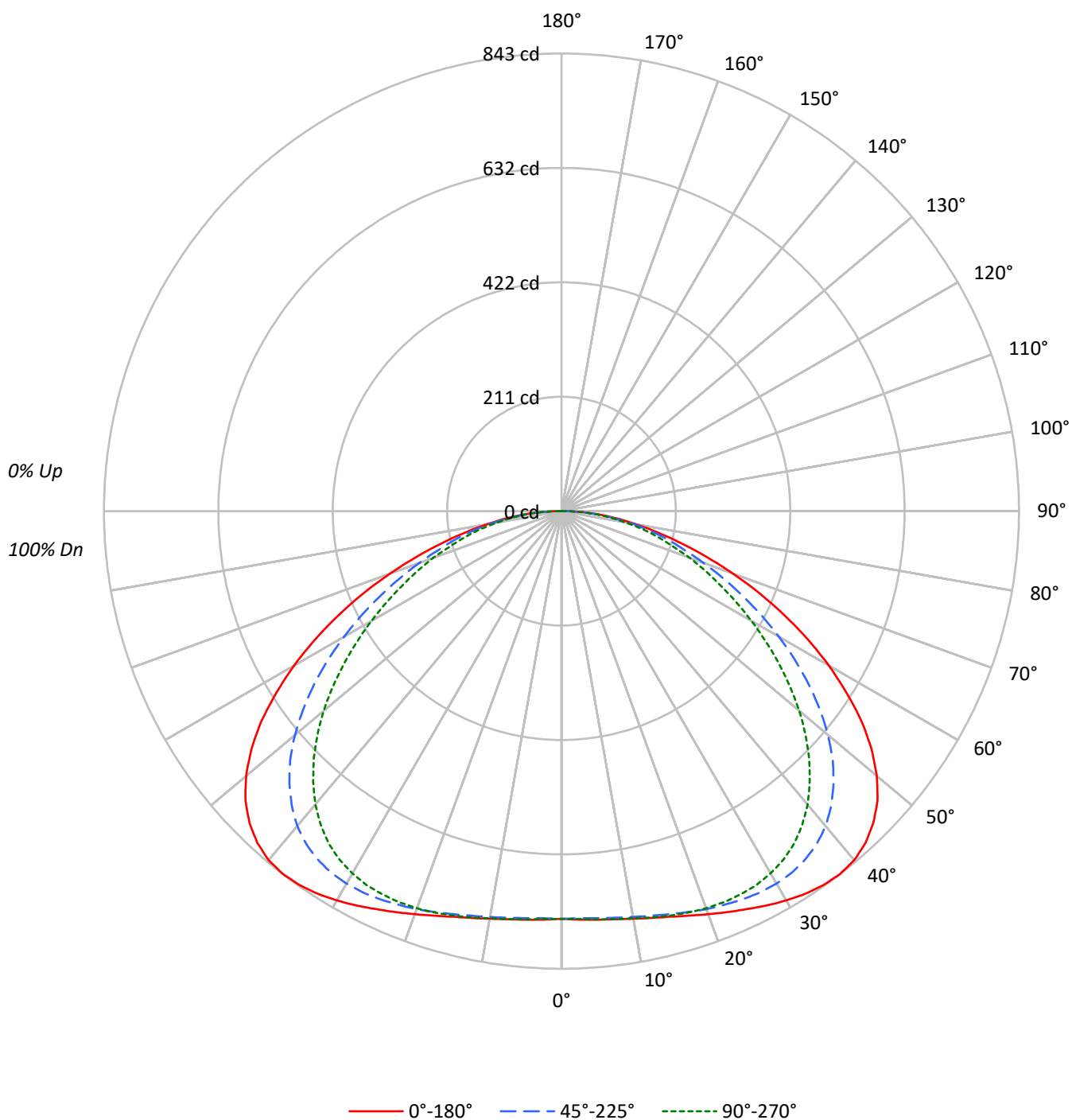
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2878.0 lumens  
Efficiency: N/A  
Efficacy: 120.4 lumens/watt  
Spacing Criteria (0/90/45): 1.68 / 1.5 / 1.61  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 23.9  
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

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CATALOG NUMBER: 14CGTX-30-F125-L840

### 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 | 99  | 94  | 105 | 101 | 97  | 93  | 96  | 93  | 90  | 93  | 90  | 87  | 89  | 87  | 85  | 82  |  |  |   |
| 2   | 98  | 89  | 82  | 76  | 95  | 87  | 81  | 75  | 84  | 78  | 73  | 80  | 76  | 71  | 77  | 73  | 70  | 68  |  |  |   |
| 3   | 89  | 78  | 69  | 62  | 86  | 76  | 68  | 62  | 73  | 66  | 61  | 70  | 64  | 59  | 68  | 63  | 58  | 56  |  |  |   |
| 4   | 81  | 68  | 59  | 52  | 78  | 67  | 58  | 52  | 64  | 57  | 51  | 62  | 56  | 50  | 60  | 54  | 50  | 47  |  |  |   |
| 5   | 74  | 61  | 51  | 44  | 72  | 59  | 51  | 44  | 57  | 50  | 44  | 55  | 48  | 43  | 53  | 47  | 43  | 40  |  |  |   |
| 6   | 68  | 54  | 45  | 38  | 66  | 53  | 44  | 38  | 51  | 44  | 38  | 50  | 43  | 37  | 48  | 42  | 37  | 35  |  |  |   |
| 7   | 63  | 49  | 40  | 33  | 61  | 48  | 39  | 33  | 46  | 39  | 33  | 45  | 38  | 33  | 44  | 37  | 32  | 30  |  |  |   |
| 8   | 58  | 44  | 36  | 29  | 57  | 44  | 35  | 29  | 42  | 35  | 29  | 41  | 34  | 29  | 40  | 34  | 29  | 27  |  |  |   |
| 9   | 54  | 41  | 32  | 26  | 53  | 40  | 32  | 26  | 39  | 31  | 26  | 38  | 31  | 26  | 37  | 30  | 26  | 24  |  |  |   |
| 10  | 51  | 37  | 29  | 24  | 50  | 37  | 29  | 24  | 36  | 28  | 23  | 35  | 28  | 23  | 34  | 28  | 23  | 21  |  |  |   |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 2021 | 2021 | 2021 |
| 5°  | 2041 | 2033 | 2039 |
| 10° | 2083 | 2074 | 2081 |
| 15° | 2155 | 2142 | 2149 |
| 20° | 2263 | 2235 | 2229 |
| 25° | 2401 | 2344 | 2314 |
| 30° | 2573 | 2462 | 2394 |
| 35° | 2763 | 2573 | 2456 |
| 40° | 2948 | 2661 | 2479 |
| 45° | 3092 | 2698 | 2457 |
| 50° | 3175 | 2683 | 2394 |
| 55° | 3168 | 2609 | 2294 |
| 60° | 3062 | 2490 | 2174 |
| 65° | 2884 | 2338 | 2056 |
| 70° | 2638 | 2189 | 1976 |
| 75° | 2374 | 2109 | 1909 |
| 80° | 2171 | 2049 | 1844 |
| 85° | 2087 | 1961 | 1843 |

**MAXIMUM LUMINANCE 45°-90°:**

Luminance: 3182 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 72.2   | 2.5       |
| 10°-20°   | 218.8  | 7.6       |
| 20°-30°   | 366.2  | 12.7      |
| 30°-40°   | 493.4  | 17.1      |
| 40°-50°   | 553.5  | 19.2      |
| 50°-60°   | 507.9  | 17.6      |
| 60°-70°   | 375.6  | 13.1      |
| 70°-80°   | 218.5  | 7.6       |
| 80°-90°   | 71.8   | 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       |
| 0°-30°    | 657.2  | 22.8      |
| 0°-40°    | 1150.6 | 40.0      |
| 0°-60°    | 2212.0 | 76.9      |
| 0°-90°    | 2878.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2878.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 751 | 751   | 751 | 751   | 751 |      |
| 5°  | 756 | 755   | 752 | 753   | 755 | 72   |
| 15° | 774 | 772   | 769 | 769   | 771 | 220  |
| 25° | 809 | 803   | 789 | 781   | 779 | 375  |
| 35° | 841 | 824   | 783 | 756   | 748 | 527  |
| 45° | 813 | 782   | 709 | 661   | 646 | 625  |
| 55° | 675 | 636   | 556 | 504   | 489 | 600  |
| 65° | 453 | 425   | 367 | 334   | 323 | 448  |
| 75° | 228 | 225   | 203 | 187   | 184 | 245  |
| 85° | 68  | 70    | 64  | 64    | 60  | 74   |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 751.0 | 751.0 | 751.0 | 751.0 | 751.0 |
| 2.5°  | 753.3 | 753.3 | 750.6 | 751.4 | 752.1 |
| 5°    | 755.5 | 755.1 | 752.5 | 752.9 | 754.8 |
| 7.5°  | 758.1 | 758.1 | 755.5 | 755.5 | 758.1 |
| 10°   | 762.3 | 761.5 | 758.9 | 759.6 | 761.5 |
| 12.5° | 767.5 | 766.0 | 763.4 | 764.2 | 766.4 |
| 15°   | 773.5 | 772.0 | 768.7 | 769.4 | 771.3 |
| 17.5° | 781.4 | 779.2 | 774.3 | 774.3 | 775.4 |
| 20°   | 790.1 | 786.3 | 780.3 | 777.3 | 778.4 |
| 22.5° | 799.5 | 794.6 | 784.8 | 779.5 | 779.9 |
| 25°   | 808.8 | 802.8 | 789.3 | 780.7 | 779.2 |
| 27.5° | 819.0 | 810.3 | 791.9 | 779.9 | 776.9 |
| 30°   | 828.0 | 817.1 | 792.3 | 775.8 | 770.5 |
| 32.5° | 835.9 | 821.6 | 789.7 | 767.9 | 761.2 |
| 35°   | 841.1 | 823.5 | 783.3 | 755.9 | 747.6 |
| 37.5° | 842.6 | 821.2 | 772.8 | 739.4 | 728.5 |
| 40°   | 839.3 | 814.1 | 757.4 | 717.6 | 705.6 |
| 42.5° | 829.1 | 801.3 | 735.6 | 691.3 | 677.0 |
| 45°   | 812.6 | 781.8 | 709.0 | 660.9 | 645.5 |
| 47.5° | 789.7 | 754.8 | 677.8 | 626.0 | 609.8 |
| 50°   | 758.5 | 721.7 | 641.0 | 588.0 | 571.9 |
| 52.5° | 719.8 | 681.5 | 600.1 | 547.9 | 530.6 |
| 55°   | 675.2 | 636.5 | 556.1 | 504.3 | 488.9 |
| 57.5° | 623.0 | 587.3 | 509.9 | 460.7 | 446.1 |
| 60°   | 568.9 | 535.1 | 462.6 | 417.2 | 404.0 |
| 62.5° | 511.8 | 481.0 | 414.9 | 374.0 | 362.7 |
| 65°   | 452.9 | 425.4 | 367.2 | 333.8 | 322.9 |
| 67.5° | 393.9 | 372.9 | 321.8 | 292.1 | 286.1 |
| 70°   | 335.3 | 319.6 | 278.2 | 258.7 | 251.2 |
| 72.5° | 279.8 | 271.5 | 236.9 | 223.8 | 213.7 |
| 75°   | 228.3 | 225.3 | 202.8 | 186.6 | 183.6 |
| 77.5° | 181.7 | 186.3 | 166.7 | 155.1 | 152.5 |
| 80°   | 140.1 | 144.6 | 132.2 | 122.4 | 119.0 |
| 82.5° | 102.1 | 108.1 | 95.8  | 93.5  | 90.1  |
| 85°   | 67.6  | 69.5  | 63.5  | 64.2  | 59.7  |
| 87.5° | 33.0  | 36.8  | 33.4  | 34.5  | 32.3  |
| 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 | 16.6             | 18.3 | 17.0 | 18.7 | 19.0 | 14.8           | 16.5 | 15.2 | 16.9 | 17.2 |
|                 | 3H   | 18.4             | 19.9 | 18.8 | 20.3 | 20.6 | 16.6           | 18.1 | 16.9 | 18.4 | 18.8 |
|                 | 4H   | 19.0             | 20.5 | 19.4 | 20.8 | 21.2 | 17.3           | 18.7 | 17.7 | 19.1 | 19.4 |
|                 | 6H   | 19.5             | 20.9 | 19.9 | 21.2 | 21.6 | 17.8           | 19.2 | 18.2 | 19.6 | 19.9 |
|                 | 8H   | 19.7             | 21.0 | 20.1 | 21.4 | 21.8 | 18.1           | 19.3 | 18.5 | 19.7 | 20.1 |
|                 | 12H  | 19.8             | 21.1 | 20.3 | 21.4 | 21.9 | 18.2           | 19.5 | 18.7 | 19.8 | 20.3 |
| 4H              | 2H   | 17.1             | 18.5 | 17.5 | 18.9 | 19.2 | 15.6           | 17.1 | 16.0 | 17.4 | 17.8 |
|                 | 3H   | 19.1             | 20.3 | 19.5 | 20.7 | 21.1 | 17.5           | 18.8 | 18.0 | 19.2 | 19.6 |
|                 | 4H   | 19.9             | 21.0 | 20.3 | 21.4 | 21.8 | 18.4           | 19.5 | 18.8 | 19.9 | 20.3 |
|                 | 6H   | 20.5             | 21.5 | 21.0 | 21.9 | 22.4 | 19.1           | 20.1 | 19.5 | 20.5 | 20.9 |
|                 | 8H   | 20.8             | 21.7 | 21.2 | 22.1 | 22.6 | 19.4           | 20.3 | 19.8 | 20.7 | 21.2 |
|                 | 12H  | 20.9             | 21.8 | 21.4 | 22.2 | 22.7 | 19.6           | 20.4 | 20.1 | 20.9 | 21.3 |
| 8H              | 4H   | 20.1             | 21.0 | 20.6 | 21.5 | 21.9 | 18.8           | 19.7 | 19.2 | 20.1 | 20.6 |
|                 | 6H   | 20.9             | 21.7 | 21.4 | 22.2 | 22.6 | 19.6           | 20.4 | 20.1 | 20.9 | 21.4 |
|                 | 8H   | 21.2             | 21.9 | 21.7 | 22.4 | 22.9 | 20.0           | 20.7 | 20.5 | 21.2 | 21.7 |
|                 | 12H  | 21.5             | 22.1 | 22.0 | 22.6 | 23.2 | 20.3           | 21.0 | 20.8 | 21.4 | 22.0 |
| 12H             | 4H   | 20.1             | 21.0 | 20.6 | 21.4 | 21.9 | 18.9           | 19.7 | 19.3 | 20.2 | 20.6 |
|                 | 6H   | 21.0             | 21.7 | 21.5 | 22.1 | 22.7 | 19.8           | 20.5 | 20.3 | 20.9 | 21.4 |
|                 | 8H   | 21.4             | 22.0 | 21.9 | 22.5 | 23.0 | 20.2           | 20.8 | 20.7 | 21.3 | 21.8 |















(END OF REPORT)