

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: P1584162

Luminaire Tested: 14CGSB-30-F125-L940

Issue Date: 9/3/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1584162  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P1527393)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 14CGSB-30-F125-L940  
Description: CGTX with F125 Lens Option  
  
Light Source:  
Ballast/Driver: -

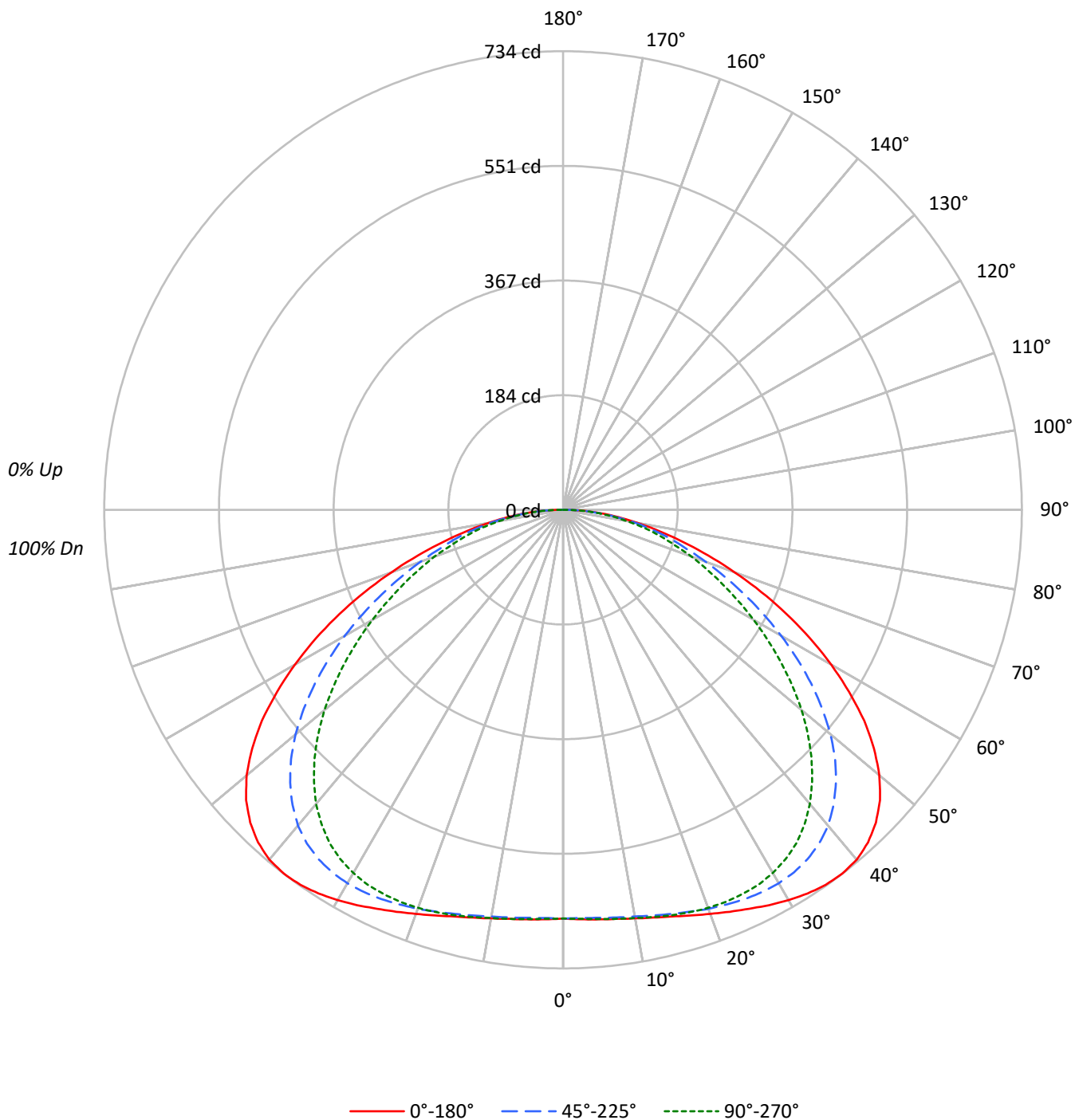
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2506.5 lumens  
Efficiency: N/A  
Efficacy: 76.7 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): 32.7  
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

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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 | 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°  | 1760 | 1760 | 1760 |
| 5°  | 1777 | 1770 | 1776 |
| 10° | 1814 | 1806 | 1812 |
| 15° | 1877 | 1865 | 1871 |
| 20° | 1970 | 1946 | 1942 |
| 25° | 2091 | 2041 | 2015 |
| 30° | 2241 | 2144 | 2085 |
| 35° | 2407 | 2241 | 2139 |
| 40° | 2568 | 2317 | 2159 |
| 45° | 2693 | 2350 | 2140 |
| 50° | 2766 | 2337 | 2085 |
| 55° | 2759 | 2272 | 1998 |
| 60° | 2667 | 2168 | 1894 |
| 65° | 2511 | 2036 | 1791 |
| 70° | 2297 | 1906 | 1721 |
| 75° | 2067 | 1836 | 1663 |
| 80° | 1891 | 1784 | 1607 |
| 85° | 1819 | 1707 | 1606 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 2771 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 62.9   | 2.5       |
| 10°-20°   | 190.6  | 7.6       |
| 20°-30°   | 318.9  | 12.7      |
| 30°-40°   | 429.7  | 17.1      |
| 40°-50°   | 482.0  | 19.2      |
| 50°-60°   | 442.3  | 17.6      |
| 60°-70°   | 327.1  | 13.1      |
| 70°-80°   | 190.3  | 7.6       |
| 80°-90°   | 62.6   | 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°    | 572.4  | 22.8      |
| 0°-40°    | 1002.1 | 40.0      |
| 0°-60°    | 1926.5 | 76.9      |
| 0°-90°    | 2506.5 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2506.5 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 654 | 654   | 654 | 654   | 654 |      |
| 5°  | 658 | 658   | 655 | 656   | 657 | 63   |
| 15° | 674 | 672   | 669 | 670   | 672 | 192  |
| 25° | 704 | 699   | 687 | 680   | 679 | 327  |
| 35° | 733 | 717   | 682 | 658   | 651 | 459  |
| 45° | 708 | 681   | 617 | 576   | 562 | 544  |
| 55° | 588 | 554   | 484 | 439   | 426 | 522  |
| 65° | 394 | 370   | 320 | 291   | 281 | 390  |
| 75° | 199 | 196   | 177 | 162   | 160 | 213  |
| 85° | 59  | 60    | 55  | 56    | 52  | 65   |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 654.1 | 654.1 | 654.1 | 654.1 | 654.1 |
| 2.5°  | 656.0 | 656.0 | 653.8 | 654.4 | 655.1 |
| 5°    | 658.0 | 657.7 | 655.4 | 655.7 | 657.3 |
| 7.5°  | 660.3 | 660.3 | 658.0 | 658.0 | 660.3 |
| 10°   | 663.9 | 663.2 | 660.9 | 661.6 | 663.2 |
| 12.5° | 668.5 | 667.2 | 664.9 | 665.5 | 667.5 |
| 15°   | 673.7 | 672.4 | 669.4 | 670.1 | 671.7 |
| 17.5° | 680.6 | 678.6 | 674.4 | 674.4 | 675.3 |
| 20°   | 688.1 | 684.8 | 679.6 | 677.0 | 678.0 |
| 22.5° | 696.3 | 692.0 | 683.5 | 678.9 | 679.3 |
| 25°   | 704.4 | 699.2 | 687.4 | 679.9 | 678.6 |
| 27.5° | 713.3 | 705.8 | 689.7 | 679.3 | 676.6 |
| 30°   | 721.1 | 711.6 | 690.1 | 675.7 | 671.1 |
| 32.5° | 728.0 | 715.6 | 687.8 | 668.8 | 662.9 |
| 35°   | 732.6 | 717.2 | 682.2 | 658.3 | 651.1 |
| 37.5° | 733.9 | 715.2 | 673.0 | 643.9 | 634.5 |
| 40°   | 730.9 | 709.0 | 659.6 | 625.0 | 614.5 |
| 42.5° | 722.1 | 697.9 | 640.7 | 602.1 | 589.7 |
| 45°   | 707.7 | 680.9 | 617.4 | 575.6 | 562.2 |
| 47.5° | 687.8 | 657.3 | 590.3 | 545.2 | 531.1 |
| 50°   | 660.6 | 628.6 | 558.3 | 512.1 | 498.1 |
| 52.5° | 626.9 | 593.6 | 522.6 | 477.2 | 462.1 |
| 55°   | 588.0 | 554.3 | 484.3 | 439.2 | 425.8 |
| 57.5° | 542.6 | 511.5 | 444.1 | 401.3 | 388.5 |
| 60°   | 495.5 | 466.0 | 402.9 | 363.3 | 351.9 |
| 62.5° | 445.8 | 418.9 | 361.4 | 325.7 | 315.9 |
| 65°   | 394.4 | 370.5 | 319.8 | 290.7 | 281.3 |
| 67.5° | 343.1 | 324.7 | 280.3 | 254.4 | 249.2 |
| 70°   | 292.0 | 278.3 | 242.3 | 225.3 | 218.8 |
| 72.5° | 243.6 | 236.4 | 206.4 | 194.9 | 186.1 |
| 75°   | 198.8 | 196.2 | 176.6 | 162.5 | 159.9 |
| 77.5° | 158.3 | 162.2 | 145.2 | 135.1 | 132.8 |
| 80°   | 122.0 | 125.9 | 115.1 | 106.6 | 103.7 |
| 82.5° | 89.0  | 94.2  | 83.4  | 81.4  | 78.5  |
| 85°   | 58.9  | 60.5  | 55.3  | 55.9  | 52.0  |
| 87.5° | 28.8  | 32.0  | 29.1  | 30.1  | 28.1  |
| 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 | 16.2             | 17.9 | 16.5 | 18.2 | 18.5 | 14.4           | 16.1 | 14.7 | 16.4 | 16.7 |
|                 | 3H   | 17.9             | 19.5 | 18.3 | 19.8 | 20.1 | 16.1           | 17.6 | 16.5 | 17.9 | 18.3 |
|                 | 4H   | 18.6             | 20.0 | 18.9 | 20.4 | 20.7 | 16.8           | 18.2 | 17.2 | 18.6 | 19.0 |
|                 | 6H   | 19.0             | 20.4 | 19.5 | 20.8 | 21.1 | 17.4           | 18.7 | 17.8 | 19.1 | 19.5 |
|                 | 8H   | 19.2             | 20.5 | 19.6 | 20.9 | 21.3 | 17.6           | 18.9 | 18.0 | 19.3 | 19.7 |
|                 | 12H  | 19.4             | 20.6 | 19.8 | 21.0 | 21.4 | 17.7           | 19.0 | 18.2 | 19.4 | 19.8 |
| 4H              | 2H   | 16.6             | 18.0 | 17.0 | 18.4 | 18.8 | 15.1           | 16.6 | 15.5 | 16.9 | 17.3 |
|                 | 3H   | 18.6             | 19.8 | 19.0 | 20.2 | 20.6 | 17.1           | 18.3 | 17.5 | 18.7 | 19.1 |
|                 | 4H   | 19.4             | 20.5 | 19.8 | 20.9 | 21.3 | 17.9           | 19.0 | 18.3 | 19.4 | 19.8 |
|                 | 6H   | 20.0             | 21.0 | 20.5 | 21.4 | 21.9 | 18.6           | 19.6 | 19.0 | 20.0 | 20.5 |
|                 | 8H   | 20.3             | 21.2 | 20.7 | 21.6 | 22.1 | 18.9           | 19.8 | 19.3 | 20.2 | 20.7 |
|                 | 12H  | 20.5             | 21.3 | 20.9 | 21.8 | 22.2 | 19.1           | 19.9 | 19.6 | 20.4 | 20.9 |
| 8H              | 4H   | 19.6             | 20.5 | 20.1 | 21.0 | 21.4 | 18.3           | 19.2 | 18.8 | 19.7 | 20.1 |
|                 | 6H   | 20.4             | 21.2 | 20.9 | 21.7 | 22.1 | 19.2           | 19.9 | 19.7 | 20.4 | 20.9 |
|                 | 8H   | 20.8             | 21.4 | 21.3 | 21.9 | 22.4 | 19.5           | 20.2 | 20.0 | 20.7 | 21.2 |
|                 | 12H  | 21.1             | 21.7 | 21.6 | 22.2 | 22.7 | 19.9           | 20.5 | 20.4 | 21.0 | 21.5 |
| 12H             | 4H   | 19.7             | 20.5 | 20.1 | 20.9 | 21.4 | 18.4           | 19.2 | 18.9 | 19.7 | 20.1 |
|                 | 6H   | 20.5             | 21.2 | 21.0 | 21.6 | 22.2 | 19.3           | 20.0 | 19.8 | 20.4 | 21.0 |
|                 | 8H   | 20.9             | 21.5 | 21.4 | 22.0 | 22.5 | 19.7           | 20.3 | 20.2 | 20.8 | 21.4 |















(END OF REPORT)