

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: P1584104

Luminaire Tested: 14CGSB-40-A125-L930

Issue Date: 9/3/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1584104  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P1527173)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 14CGSB-40-A125-L930  
Description: CGTX with A125 Lens Option  
  
Light Source:  
Ballast/Driver: -

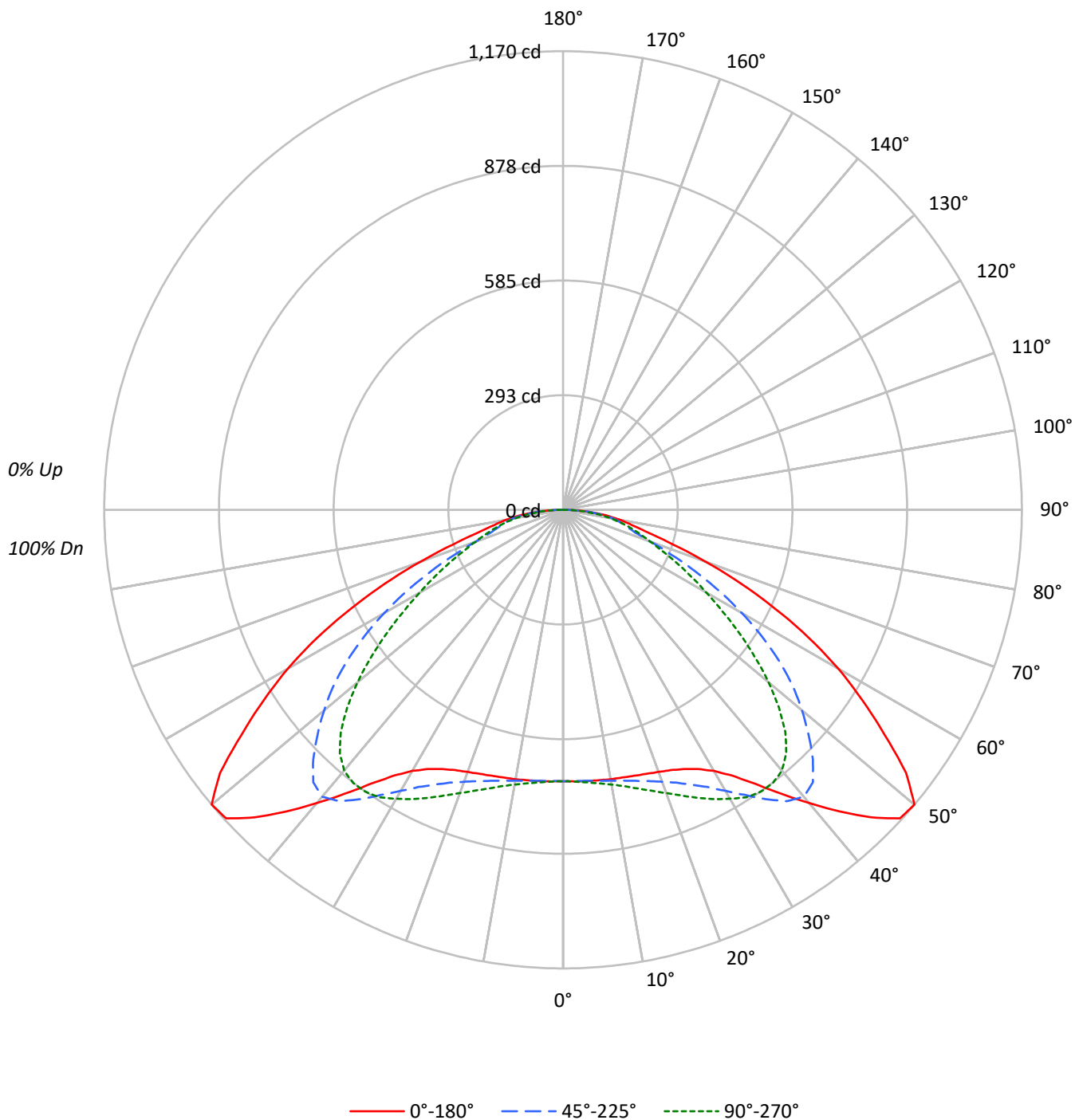
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3242.1 lumens  
Efficiency: N/A  
Efficacy: 73.3 lumens/watt  
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 44.2  
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  |     |     |  | 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  | 95  | 105 | 101 | 97  | 93  | 97  | 93  | 90  |  | 93  | 90  | 87  |  | 89  | 87  | 85  |  | 83  |
| 2   | 98  | 89  | 82  | 76  | 95  | 87  | 81  | 75  | 84  | 78  | 73  |  | 80  | 76  | 72  |  | 77  | 73  | 70  |  | 68  |
| 3   | 89  | 77  | 69  | 62  | 86  | 76  | 68  | 61  | 73  | 66  | 60  |  | 70  | 64  | 59  |  | 67  | 62  | 58  |  | 56  |
| 4   | 80  | 68  | 58  | 51  | 78  | 66  | 58  | 51  | 64  | 56  | 50  |  | 61  | 55  | 50  |  | 59  | 54  | 49  |  | 47  |
| 5   | 73  | 60  | 50  | 43  | 71  | 59  | 50  | 43  | 56  | 49  | 43  |  | 54  | 48  | 42  |  | 53  | 46  | 42  |  | 39  |
| 6   | 67  | 53  | 44  | 37  | 65  | 52  | 43  | 37  | 50  | 42  | 36  |  | 49  | 42  | 36  |  | 47  | 41  | 36  |  | 34  |
| 7   | 62  | 48  | 38  | 32  | 60  | 47  | 38  | 32  | 45  | 37  | 32  |  | 44  | 37  | 31  |  | 42  | 36  | 31  |  | 29  |
| 8   | 57  | 43  | 34  | 28  | 56  | 42  | 34  | 28  | 41  | 33  | 28  |  | 40  | 33  | 28  |  | 39  | 32  | 27  |  | 25  |
| 9   | 53  | 39  | 31  | 25  | 52  | 39  | 30  | 25  | 37  | 30  | 24  |  | 36  | 29  | 24  |  | 35  | 29  | 24  |  | 22  |
| 10  | 50  | 36  | 28  | 22  | 48  | 35  | 27  | 22  | 34  | 27  | 22  |  | 33  | 27  | 22  |  | 32  | 26  | 22  |  | 20  |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 1863 | 1863 | 1863 |
| 5°  | 1877 | 1874 | 1885 |
| 10° | 1906 | 1917 | 1944 |
| 15° | 1957 | 1994 | 2050 |
| 20° | 2038 | 2114 | 2202 |
| 25° | 2165 | 2295 | 2407 |
| 30° | 2389 | 2572 | 2644 |
| 35° | 2801 | 2960 | 2885 |
| 40° | 3429 | 3356 | 3050 |
| 45° | 4222 | 3429 | 3049 |
| 50° | 4897 | 3330 | 2864 |
| 55° | 4698 | 3157 | 2576 |
| 60° | 4365 | 2833 | 2268 |
| 65° | 3802 | 2372 | 2032 |
| 70° | 3041 | 1865 | 1865 |
| 75° | 2333 | 1769 | 1852 |
| 80° | 2290 | 2042 | 1886 |
| 85° | 2300 | 2263 | 1846 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
Vertical Angle: 50°  
Luminance: 4897 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 66.6   | 2.1       |
| 10°-20°   | 204.3  | 6.3       |
| 20°-30°   | 359.7  | 11.1      |
| 30°-40°   | 557.1  | 17.2      |
| 40°-50°   | 709.8  | 21.9      |
| 50°-60°   | 645.8  | 19.9      |
| 60°-70°   | 418.8  | 12.9      |
| 70°-80°   | 203.7  | 6.3       |
| 80°-90°   | 76.3   | 2.4       |
| 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°    | 630.6  | 19.5      |
| 0°-40°    | 1187.8 | 36.6      |
| 0°-60°    | 2543.3 | 78.4      |
| 0°-90°    | 3242.1 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 3242.1 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|-----|-------|-----|------|
| 0°  | 692  | 692   | 692 | 692   | 692 |      |
| 5°  | 695  | 696   | 694 | 695   | 698 | 66   |
| 15° | 702  | 707   | 716 | 729   | 736 | 200  |
| 25° | 729  | 744   | 773 | 800   | 810 | 340  |
| 35° | 853  | 890   | 901 | 886   | 878 | 543  |
| 45° | 1110 | 1041  | 901 | 822   | 801 | 852  |
| 55° | 1001 | 878   | 673 | 580   | 549 | 894  |
| 65° | 597  | 529   | 373 | 323   | 319 | 591  |
| 75° | 224  | 206   | 170 | 162   | 178 | 254  |
| 85° | 74   | 81    | 73  | 67    | 60  | 81   |
| 90° | 0    | 0     | 0   | 0     | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°   | 67.5° | 90°   |
|-------|--------|--------|-------|-------|-------|
| 0°    | 692.2  | 692.2  | 692.2 | 692.2 | 692.2 |
| 2.5°  | 693.5  | 694.3  | 692.2 | 692.6 | 693.9 |
| 5°    | 694.7  | 695.6  | 693.9 | 695.2 | 697.7 |
| 7.5°  | 695.6  | 697.3  | 697.3 | 700.2 | 703.6 |
| 10°   | 697.7  | 699.4  | 701.5 | 707.4 | 711.6 |
| 12.5° | 699.4  | 702.3  | 707.4 | 717.1 | 721.7 |
| 15°   | 702.3  | 707.0  | 715.8 | 729.3 | 736.0 |
| 17.5° | 706.1  | 712.9  | 725.5 | 743.2 | 751.2 |
| 20°   | 711.6  | 720.4  | 738.1 | 759.2 | 768.9 |
| 22.5° | 718.7  | 730.5  | 753.3 | 778.1 | 788.6 |
| 25°   | 729.3  | 744.4  | 773.1 | 800.4 | 810.5 |
| 27.5° | 745.3  | 764.2  | 797.1 | 824.4 | 832.0 |
| 30°   | 768.9  | 792.4  | 827.8 | 846.8 | 851.0 |
| 32.5° | 803.8  | 834.1  | 862.3 | 868.6 | 869.5 |
| 35°   | 852.6  | 889.7  | 901.1 | 886.3 | 878.3 |
| 37.5° | 912.4  | 953.7  | 936.9 | 893.1 | 878.8 |
| 40°   | 976.0  | 1009.7 | 955.4 | 887.6 | 868.2 |
| 42.5° | 1043.4 | 1041.7 | 942.8 | 863.6 | 842.5 |
| 45°   | 1109.5 | 1041.3 | 901.1 | 822.3 | 801.3 |
| 47.5° | 1165.1 | 1009.7 | 849.3 | 771.4 | 746.5 |
| 50°   | 1169.7 | 968.4  | 795.4 | 709.5 | 684.2 |
| 52.5° | 1102.3 | 927.6  | 738.5 | 645.5 | 616.4 |
| 55°   | 1001.3 | 878.3  | 672.9 | 579.8 | 549.1 |
| 57.5° | 905.7  | 813.9  | 601.3 | 512.0 | 481.7 |
| 60°   | 811.0  | 731.0  | 526.3 | 446.3 | 421.5 |
| 62.5° | 706.1  | 634.5  | 449.7 | 381.1 | 368.0 |
| 65°   | 597.1  | 528.9  | 372.6 | 323.0 | 319.2 |
| 67.5° | 491.4  | 428.6  | 299.0 | 268.2 | 272.8 |
| 70°   | 386.5  | 338.5  | 237.1 | 229.9 | 237.1 |
| 72.5° | 293.9  | 267.0  | 192.8 | 194.5 | 206.3 |
| 75°   | 224.4  | 205.5  | 170.1 | 162.1 | 178.1 |
| 77.5° | 179.8  | 167.6  | 150.7 | 138.9 | 150.7 |
| 80°   | 147.8  | 144.8  | 131.8 | 117.9 | 121.7 |
| 82.5° | 111.6  | 113.7  | 103.6 | 96.4  | 91.8  |
| 85°   | 74.5   | 81.3   | 73.3  | 66.9  | 59.8  |
| 87.5° | 37.5   | 45.5   | 38.7  | 34.5  | 30.7  |
| 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 | 18.5             | 20.2 | 18.9 | 20.6 | 20.9 | 15.1           | 16.8 | 15.4 | 17.1 | 17.4 |
|                 | 3H   | 19.8             | 21.4 | 20.2 | 21.7 | 22.0 | 16.4           | 17.9 | 16.7 | 18.2 | 18.6 |
|                 | 4H   | 20.2             | 21.6 | 20.6 | 22.0 | 22.4 | 16.9           | 18.4 | 17.3 | 18.7 | 19.1 |
|                 | 6H   | 20.5             | 21.8 | 20.9 | 22.2 | 22.6 | 17.5           | 18.8 | 17.9 | 19.2 | 19.6 |
|                 | 8H   | 20.6             | 21.9 | 21.0 | 22.3 | 22.7 | 17.7           | 19.0 | 18.1 | 19.4 | 19.8 |
|                 | 12H  | 20.7             | 21.9 | 21.1 | 22.3 | 22.8 | 17.9           | 19.1 | 18.3 | 19.5 | 19.9 |
| 4H              | 2H   | 18.7             | 20.2 | 19.1 | 20.5 | 20.9 | 15.7           | 17.2 | 16.1 | 17.6 | 17.9 |
|                 | 3H   | 20.1             | 21.4 | 20.6 | 21.8 | 22.2 | 17.2           | 18.4 | 17.6 | 18.8 | 19.2 |
|                 | 4H   | 20.6             | 21.7 | 21.0 | 22.1 | 22.6 | 17.9           | 19.0 | 18.3 | 19.4 | 19.8 |
|                 | 6H   | 21.1             | 22.0 | 21.5 | 22.5 | 22.9 | 18.5           | 19.5 | 19.0 | 20.0 | 20.4 |
|                 | 8H   | 21.3             | 22.2 | 21.7 | 22.6 | 23.1 | 18.8           | 19.8 | 19.3 | 20.2 | 20.7 |
|                 | 12H  | 21.5             | 22.3 | 21.9 | 22.8 | 23.2 | 19.1           | 19.9 | 19.6 | 20.4 | 20.9 |
| 8H              | 4H   | 20.7             | 21.6 | 21.2 | 22.1 | 22.5 | 18.2           | 19.1 | 18.7 | 19.6 | 20.0 |
|                 | 6H   | 21.3             | 22.1 | 21.8 | 22.6 | 23.0 | 19.0           | 19.8 | 19.5 | 20.3 | 20.8 |
|                 | 8H   | 21.6             | 22.3 | 22.1 | 22.8 | 23.3 | 19.4           | 20.1 | 20.0 | 20.6 | 21.1 |
|                 | 12H  | 21.9             | 22.5 | 22.4 | 23.0 | 23.5 | 19.8           | 20.4 | 20.3 | 20.9 | 21.5 |
| 12H             | 4H   | 20.7             | 21.6 | 21.2 | 22.0 | 22.5 | 18.3           | 19.1 | 18.7 | 19.6 | 20.0 |
|                 | 6H   | 21.4             | 22.0 | 21.9 | 22.5 | 23.0 | 19.2           | 19.9 | 19.7 | 20.3 | 20.9 |
|                 | 8H   | 21.7             | 22.3 | 22.2 | 22.8 | 23.4 | 19.6           | 20.3 | 20.1 | 20.7 | 21.3 |















(END OF REPORT)