

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: P1526929

Luminaire Tested: 24CGTX-65HE-A125-L935

Issue Date: 8/24/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1526929  
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-65HE-A125-L935  
Description: CGTX with A125 Lens Option  
  
Light Source:  
Ballast/Driver: -

**Summary**

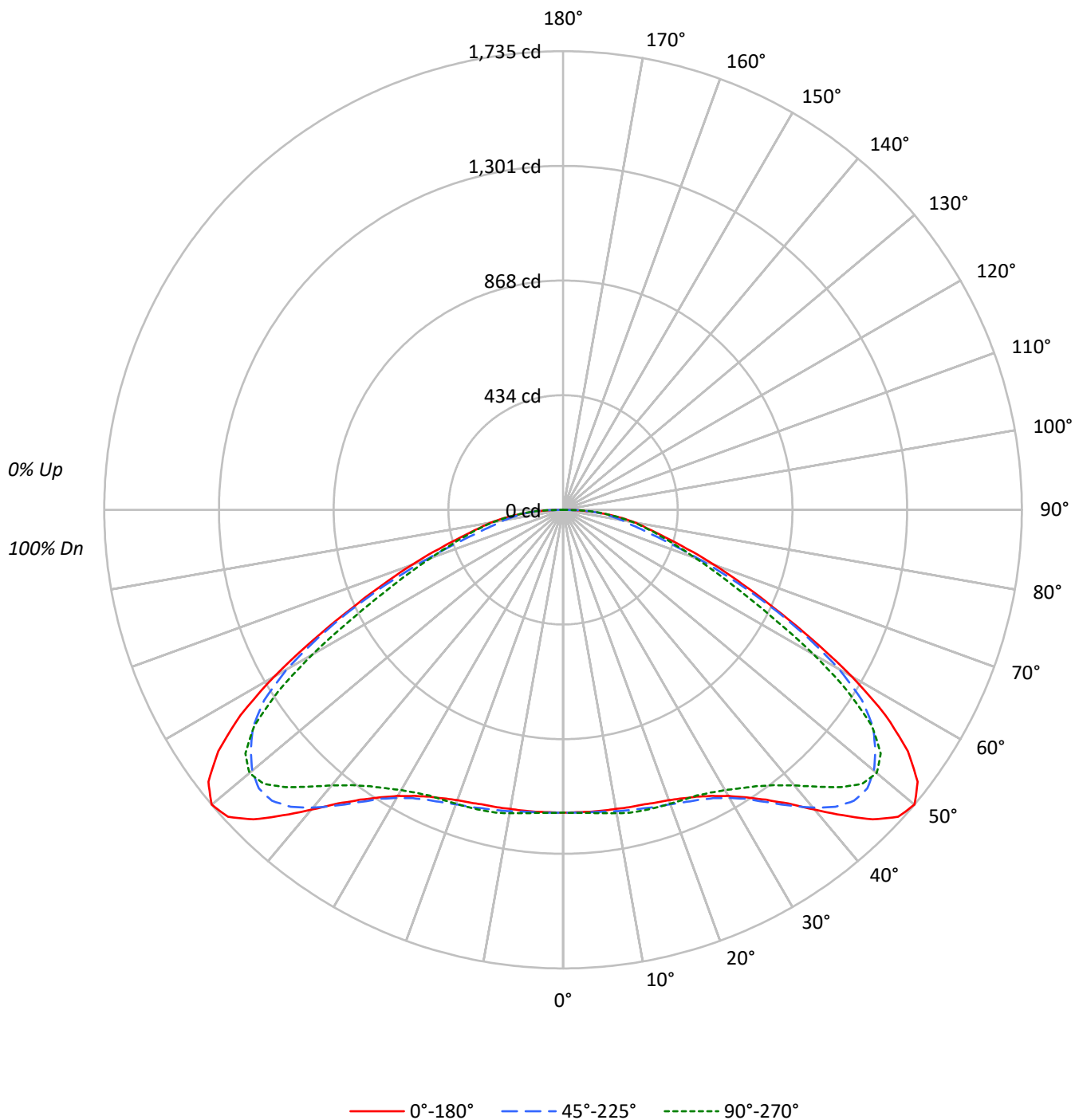
Lumens per Lamp: N/A  
Luminaire Lumens: 5719.2 lumens  
Efficiency: N/A  
Efficacy: 114.6 lumens/watt  
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 49.9  
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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### 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 | 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°  | 1542 | 1542 | 1542 |
| 5°  | 1549 | 1551 | 1554 |
| 10° | 1569 | 1582 | 1592 |
| 15° | 1608 | 1629 | 1640 |
| 20° | 1673 | 1697 | 1694 |
| 25° | 1777 | 1798 | 1771 |
| 30° | 1942 | 1955 | 1901 |
| 35° | 2199 | 2219 | 2097 |
| 40° | 2600 | 2583 | 2390 |
| 45° | 3150 | 2962 | 2823 |
| 50° | 3632 | 3213 | 3242 |
| 55° | 3733 | 3357 | 3345 |
| 60° | 3392 | 3243 | 2944 |
| 65° | 2806 | 2755 | 2402 |
| 70° | 2396 | 2158 | 2088 |
| 75° | 2075 | 1719 | 1976 |
| 80° | 2149 | 1742 | 2080 |
| 85° | 2171 | 2095 | 2308 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 3736 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 110.0  | 1.9       |
| 10°-20°   | 331.6  | 5.8       |
| 20°-30°   | 560.1  | 9.8       |
| 30°-40°   | 843.2  | 14.7      |
| 40°-50°   | 1199.0 | 21.0      |
| 50°-60°   | 1286.8 | 22.5      |
| 60°-70°   | 838.6  | 14.7      |
| 70°-80°   | 403.2  | 7.1       |
| 80°-90°   | 146.7  | 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°    | 1001.7 | 17.5      |
| 0°-40°    | 1844.9 | 32.3      |
| 0°-60°    | 4330.6 | 75.7      |
| 0°-90°    | 5719.2 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 5719.2 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1146 | 1146  | 1146 | 1146  | 1146 |      |
| 5°  | 1147 | 1148  | 1149 | 1153  | 1151 | 110  |
| 15° | 1155 | 1160  | 1170 | 1176  | 1177 | 328  |
| 25° | 1197 | 1208  | 1211 | 1200  | 1193 | 557  |
| 35° | 1339 | 1364  | 1351 | 1305  | 1276 | 850  |
| 45° | 1656 | 1615  | 1557 | 1516  | 1483 | 1271 |
| 55° | 1591 | 1551  | 1431 | 1389  | 1426 | 1392 |
| 65° | 881  | 874   | 866  | 772   | 755  | 892  |
| 75° | 399  | 377   | 331  | 376   | 380  | 438  |
| 85° | 141  | 132   | 136  | 140   | 150  | 153  |
| 90° | 0    | 0     | 0    | 0     | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1145.7 | 1145.7 | 1145.7 | 1145.7 | 1145.7 |
| 2.5°  | 1144.7 | 1145.7 | 1146.7 | 1147.7 | 1147.7 |
| 5°    | 1146.7 | 1147.7 | 1148.7 | 1152.6 | 1150.6 |
| 7.5°  | 1147.7 | 1148.7 | 1151.6 | 1157.6 | 1157.6 |
| 10°   | 1148.7 | 1151.6 | 1157.6 | 1163.5 | 1165.5 |
| 12.5° | 1152.6 | 1155.6 | 1163.5 | 1171.4 | 1173.4 |
| 15°   | 1154.6 | 1160.5 | 1169.5 | 1176.4 | 1177.4 |
| 17.5° | 1161.5 | 1167.5 | 1177.4 | 1180.3 | 1180.3 |
| 20°   | 1168.5 | 1176.4 | 1185.3 | 1185.3 | 1183.3 |
| 22.5° | 1181.3 | 1190.3 | 1197.2 | 1191.2 | 1187.3 |
| 25°   | 1197.2 | 1208.1 | 1211.0 | 1200.2 | 1193.2 |
| 27.5° | 1220.0 | 1233.8 | 1229.9 | 1215.0 | 1206.1 |
| 30°   | 1249.7 | 1267.5 | 1258.6 | 1236.8 | 1223.9 |
| 32.5° | 1289.3 | 1311.1 | 1296.2 | 1268.5 | 1248.7 |
| 35°   | 1338.8 | 1364.5 | 1350.7 | 1305.1 | 1276.4 |
| 37.5° | 1400.2 | 1426.9 | 1410.1 | 1351.7 | 1313.0 |
| 40°   | 1480.4 | 1494.3 | 1470.5 | 1407.1 | 1360.6 |
| 42.5° | 1567.5 | 1560.6 | 1524.0 | 1465.5 | 1420.0 |
| 45°   | 1655.7 | 1615.1 | 1556.6 | 1516.0 | 1483.4 |
| 47.5° | 1719.0 | 1643.8 | 1560.6 | 1539.8 | 1533.9 |
| 50°   | 1734.9 | 1637.8 | 1534.9 | 1526.9 | 1548.7 |
| 52.5° | 1690.3 | 1606.1 | 1488.3 | 1474.4 | 1514.1 |
| 55°   | 1591.3 | 1550.7 | 1430.9 | 1389.3 | 1425.9 |
| 57.5° | 1445.7 | 1442.8 | 1339.8 | 1265.5 | 1275.4 |
| 60°   | 1260.6 | 1272.4 | 1205.1 | 1100.1 | 1094.2 |
| 62.5° | 1060.5 | 1067.5 | 1037.8 | 928.8  | 908.0  |
| 65°   | 881.3  | 874.4  | 865.5  | 772.4  | 754.6  |
| 67.5° | 733.8  | 713.0  | 699.1  | 642.7  | 633.7  |
| 70°   | 609.0  | 576.3  | 548.6  | 539.7  | 530.8  |
| 72.5° | 493.1  | 469.4  | 424.8  | 449.6  | 448.6  |
| 75°   | 399.1  | 377.3  | 330.7  | 376.3  | 380.2  |
| 77.5° | 326.8  | 311.9  | 267.4  | 309.0  | 321.8  |
| 80°   | 277.3  | 246.6  | 224.8  | 251.5  | 268.4  |
| 82.5° | 211.9  | 188.1  | 183.2  | 194.1  | 209.9  |
| 85°   | 140.6  | 131.7  | 135.7  | 139.6  | 149.5  |
| 87.5° | 71.3   | 76.2   | 82.2   | 89.1   | 94.1   |
| 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 | 17.9             | 19.7 | 18.3 | 20.0 | 20.3 | 17.0           | 18.8 | 17.4 | 19.1 | 19.4 |
|                 | 3H   | 19.0             | 20.6 | 19.4 | 20.9 | 21.3 | 18.1           | 19.7 | 18.5 | 20.1 | 20.4 |
|                 | 4H   | 19.4             | 20.9 | 19.8 | 21.3 | 21.6 | 18.6           | 20.1 | 19.0 | 20.5 | 20.8 |
|                 | 6H   | 19.8             | 21.2 | 20.2 | 21.5 | 21.9 | 19.0           | 20.4 | 19.4 | 20.8 | 21.2 |
|                 | 8H   | 19.9             | 21.3 | 20.3 | 21.7 | 22.1 | 19.2           | 20.6 | 19.6 | 21.0 | 21.4 |
|                 | 12H  | 20.0             | 21.3 | 20.5 | 21.7 | 22.2 | 19.4           | 20.7 | 19.8 | 21.1 | 21.5 |
| 4H              | 2H   | 18.3             | 19.8 | 18.7 | 20.2 | 20.6 | 17.6           | 19.1 | 17.9 | 19.4 | 19.8 |
|                 | 3H   | 19.6             | 20.9 | 20.0 | 21.3 | 21.7 | 18.9           | 20.2 | 19.3 | 20.5 | 20.9 |
|                 | 4H   | 20.1             | 21.3 | 20.5 | 21.7 | 22.1 | 19.5           | 20.6 | 19.9 | 21.0 | 21.5 |
|                 | 6H   | 20.6             | 21.6 | 21.0 | 22.0 | 22.5 | 20.0           | 21.0 | 20.5 | 21.5 | 21.9 |
|                 | 8H   | 20.8             | 21.8 | 21.3 | 22.2 | 22.7 | 20.3           | 21.2 | 20.7 | 21.7 | 22.1 |
|                 | 12H  | 21.0             | 21.9 | 21.5 | 22.3 | 22.8 | 20.5           | 21.4 | 21.0 | 21.9 | 22.3 |
| 8H              | 4H   | 20.3             | 21.2 | 20.7 | 21.6 | 22.1 | 19.7           | 20.6 | 20.1 | 21.1 | 21.5 |
|                 | 6H   | 20.9             | 21.7 | 21.3 | 22.1 | 22.6 | 20.4           | 21.2 | 20.9 | 21.7 | 22.1 |
|                 | 8H   | 21.2             | 21.9 | 21.7 | 22.4 | 22.9 | 20.7           | 21.4 | 21.2 | 21.9 | 22.4 |
|                 | 12H  | 21.4             | 22.1 | 21.9 | 22.6 | 23.1 | 21.1           | 21.7 | 21.6 | 22.2 | 22.8 |
| 12H             | 4H   | 20.3             | 21.1 | 20.8 | 21.6 | 22.1 | 19.7           | 20.6 | 20.2 | 21.0 | 21.5 |
|                 | 6H   | 20.9             | 21.6 | 21.4 | 22.1 | 22.6 | 20.4           | 21.2 | 21.0 | 21.6 | 22.2 |
|                 | 8H   | 21.3             | 21.9 | 21.8 | 22.4 | 22.9 | 20.8           | 21.5 | 21.3 | 22.0 | 22.5 |















(END OF REPORT)