

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: P1526844

Luminaire Tested: 22CGTX-60HE-A125-L935

Issue Date: 8/21/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1526844  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/21/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 22CGTX-60HE-A125-L935  
Description: CGTX with A125 Lens Option  
  
Light Source:  
Ballast/Driver: -

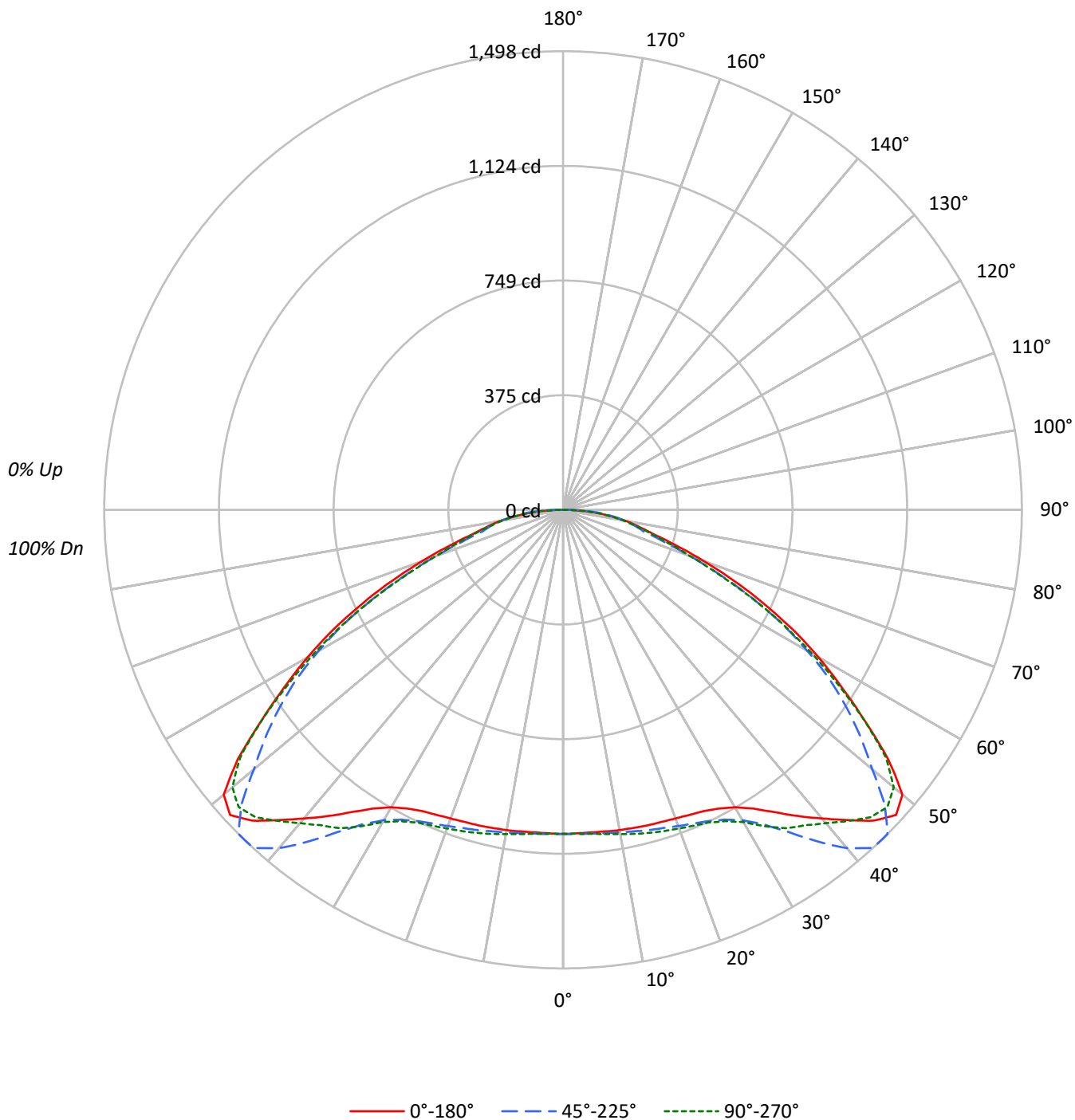
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5008.0 lumens  
Efficiency: N/A  
Efficacy: 105.7 lumens/watt  
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 47.4  
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 | 98  | 94  | 105 | 101 | 97  | 93  | 96  | 93  | 90  |  | 92  | 90  | 87  |  | 89  | 87  | 84  | 82  |
| 2   | 97  | 89  | 81  | 75  | 95  | 87  | 80  | 74  | 83  | 77  | 73  |  | 80  | 75  | 71  |  | 77  | 73  | 69  | 67  |
| 3   | 88  | 77  | 68  | 61  | 85  | 75  | 67  | 61  | 72  | 65  | 59  |  | 69  | 63  | 58  |  | 67  | 62  | 57  | 55  |
| 4   | 80  | 67  | 58  | 51  | 78  | 66  | 57  | 50  | 63  | 55  | 49  |  | 61  | 54  | 49  |  | 58  | 53  | 48  | 46  |
| 5   | 73  | 59  | 49  | 42  | 71  | 58  | 49  | 42  | 56  | 48  | 42  |  | 54  | 47  | 41  |  | 52  | 46  | 41  | 38  |
| 6   | 67  | 52  | 43  | 36  | 65  | 52  | 42  | 36  | 50  | 42  | 36  |  | 48  | 41  | 35  |  | 46  | 40  | 35  | 33  |
| 7   | 61  | 47  | 38  | 31  | 60  | 46  | 37  | 31  | 45  | 37  | 31  |  | 43  | 36  | 30  |  | 42  | 35  | 30  | 28  |
| 8   | 57  | 42  | 33  | 27  | 55  | 42  | 33  | 27  | 40  | 32  | 27  |  | 39  | 32  | 27  |  | 38  | 31  | 26  | 24  |
| 9   | 53  | 39  | 30  | 24  | 51  | 38  | 30  | 24  | 37  | 29  | 24  |  | 36  | 29  | 24  |  | 35  | 28  | 23  | 21  |
| 10  | 49  | 35  | 27  | 21  | 48  | 35  | 27  | 21  | 34  | 26  | 21  |  | 33  | 26  | 21  |  | 32  | 25  | 21  | 19  |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 2848 | 2848 | 2848 |
| 5°  | 2857 | 2867 | 2869 |
| 10° | 2902 | 2923 | 2939 |
| 15° | 2973 | 3017 | 3044 |
| 20° | 3072 | 3147 | 3172 |
| 25° | 3224 | 3331 | 3345 |
| 30° | 3486 | 3636 | 3659 |
| 35° | 3959 | 4220 | 4170 |
| 40° | 4622 | 5067 | 4692 |
| 45° | 5464 | 5702 | 5403 |
| 50° | 6055 | 5516 | 5900 |
| 55° | 5645 | 5312 | 5640 |
| 60° | 5182 | 4958 | 5050 |
| 65° | 4583 | 4325 | 4318 |
| 70° | 3840 | 3460 | 3468 |
| 75° | 3157 | 2832 | 3059 |
| 80° | 3211 | 3195 | 3064 |
| 85° | 3155 | 3798 | 3211 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 6055 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 101.6  | 2.0       |
| 10°-20°   | 306.9  | 6.1       |
| 20°-30°   | 518.9  | 10.4      |
| 30°-40°   | 797.9  | 15.9      |
| 40°-50°   | 1109.0 | 22.1      |
| 50°-60°   | 1043.9 | 20.8      |
| 60°-70°   | 689.4  | 13.8      |
| 70°-80°   | 320.4  | 6.4       |
| 80°-90°   | 119.9  | 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°    | 927.5  | 18.5      |
| 0°-40°    | 1725.4 | 34.5      |
| 0°-60°    | 3878.3 | 77.4      |
| 0°-90°    | 5008.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 5008.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1058 | 1058  | 1058 | 1058  | 1058 |      |
| 5°  | 1058 | 1060  | 1061 | 1063  | 1062 | 101  |
| 15° | 1067 | 1072  | 1083 | 1091  | 1092 | 303  |
| 25° | 1086 | 1100  | 1122 | 1128  | 1127 | 505  |
| 35° | 1205 | 1248  | 1284 | 1280  | 1269 | 763  |
| 45° | 1436 | 1487  | 1498 | 1462  | 1420 | 1099 |
| 55° | 1203 | 1186  | 1132 | 1171  | 1202 | 1078 |
| 65° | 720  | 713   | 679  | 690   | 678  | 715  |
| 75° | 304  | 292   | 272  | 281   | 294  | 340  |
| 85° | 102  | 117   | 123  | 119   | 104  | 112  |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1058.5 | 1058.5 | 1058.5 | 1058.5 | 1058.5 |
| 2.5°  | 1057.5 | 1059.4 | 1060.4 | 1061.3 | 1058.5 |
| 5°    | 1057.5 | 1060.4 | 1061.3 | 1063.2 | 1062.2 |
| 7.5°  | 1059.4 | 1062.2 | 1065.1 | 1067.0 | 1067.9 |
| 10°   | 1062.2 | 1065.1 | 1069.8 | 1075.5 | 1075.5 |
| 12.5° | 1064.1 | 1068.9 | 1075.5 | 1083.1 | 1084.0 |
| 15°   | 1067.0 | 1071.7 | 1083.1 | 1090.6 | 1092.5 |
| 17.5° | 1068.9 | 1076.4 | 1089.7 | 1099.1 | 1100.1 |
| 20°   | 1072.7 | 1081.2 | 1099.1 | 1107.7 | 1107.7 |
| 22.5° | 1078.3 | 1089.7 | 1108.6 | 1116.2 | 1116.2 |
| 25°   | 1085.9 | 1100.1 | 1121.8 | 1128.5 | 1126.6 |
| 27.5° | 1100.1 | 1117.1 | 1140.8 | 1148.3 | 1146.4 |
| 30°   | 1121.8 | 1144.5 | 1170.1 | 1179.5 | 1177.6 |
| 32.5° | 1156.8 | 1185.2 | 1217.4 | 1225.9 | 1224.9 |
| 35°   | 1205.1 | 1247.6 | 1284.5 | 1279.8 | 1269.4 |
| 37.5° | 1260.9 | 1324.3 | 1365.9 | 1321.4 | 1298.7 |
| 40°   | 1315.8 | 1401.8 | 1442.5 | 1370.6 | 1335.6 |
| 42.5° | 1374.4 | 1462.4 | 1497.4 | 1427.4 | 1378.2 |
| 45°   | 1435.9 | 1487.0 | 1498.3 | 1462.4 | 1419.8 |
| 47.5° | 1474.7 | 1448.2 | 1423.6 | 1445.3 | 1436.8 |
| 50°   | 1446.3 | 1357.4 | 1317.6 | 1359.3 | 1409.4 |
| 52.5° | 1338.5 | 1273.2 | 1226.8 | 1265.6 | 1329.0 |
| 55°   | 1203.2 | 1186.2 | 1132.2 | 1171.0 | 1202.2 |
| 57.5° | 1079.3 | 1092.5 | 1033.9 | 1063.2 | 1067.9 |
| 60°   | 962.9  | 972.4  | 921.3  | 945.9  | 938.3  |
| 62.5° | 844.7  | 845.6  | 805.9  | 820.1  | 808.7  |
| 65°   | 719.8  | 713.2  | 679.2  | 689.6  | 678.2  |
| 67.5° | 602.5  | 587.4  | 555.2  | 560.0  | 549.6  |
| 70°   | 488.1  | 470.1  | 439.8  | 446.5  | 440.8  |
| 72.5° | 385.9  | 371.7  | 345.3  | 353.8  | 359.4  |
| 75°   | 303.6  | 292.3  | 272.4  | 280.9  | 294.2  |
| 77.5° | 251.6  | 237.4  | 239.3  | 233.6  | 243.1  |
| 80°   | 207.2  | 198.6  | 206.2  | 200.5  | 197.7  |
| 82.5° | 154.2  | 162.7  | 165.5  | 168.4  | 154.2  |
| 85°   | 102.2  | 117.3  | 123.0  | 119.2  | 104.0  |
| 87.5° | 50.1   | 63.4   | 65.3   | 64.3   | 53.9   |
| 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 | 18.9             | 20.6 | 19.2 | 20.9 | 21.2 | 18.7           | 20.4 | 19.1 | 20.8 | 21.1 |
|                 | 3H   | 20.1             | 21.7 | 20.5 | 22.0 | 22.4 | 19.9           | 21.4 | 20.2 | 21.8 | 22.1 |
|                 | 4H   | 20.5             | 22.0 | 20.9 | 22.4 | 22.7 | 20.2           | 21.7 | 20.6 | 22.1 | 22.5 |
|                 | 6H   | 20.9             | 22.3 | 21.3 | 22.6 | 23.0 | 20.6           | 22.0 | 21.0 | 22.3 | 22.7 |
|                 | 8H   | 21.0             | 22.3 | 21.4 | 22.7 | 23.1 | 20.8           | 22.1 | 21.2 | 22.5 | 22.9 |
|                 | 12H  | 21.1             | 22.4 | 21.6 | 22.8 | 23.2 | 20.9           | 22.2 | 21.3 | 22.5 | 23.0 |
| 4H              | 2H   | 19.3             | 20.8 | 19.7 | 21.2 | 21.5 | 19.2           | 20.7 | 19.6 | 21.0 | 21.4 |
|                 | 3H   | 20.8             | 22.0 | 21.2 | 22.4 | 22.8 | 20.5           | 21.8 | 20.9 | 22.2 | 22.6 |
|                 | 4H   | 21.2             | 22.4 | 21.7 | 22.8 | 23.2 | 21.0           | 22.1 | 21.4 | 22.5 | 23.0 |
|                 | 6H   | 21.7             | 22.7 | 22.2 | 23.2 | 23.6 | 21.5           | 22.5 | 21.9 | 22.9 | 23.4 |
|                 | 8H   | 21.9             | 22.9 | 22.4 | 23.3 | 23.8 | 21.7           | 22.7 | 22.2 | 23.1 | 23.6 |
|                 | 12H  | 22.1             | 23.0 | 22.6 | 23.4 | 23.9 | 21.9           | 22.8 | 22.4 | 23.2 | 23.7 |
| 8H              | 4H   | 21.4             | 22.4 | 21.9 | 22.8 | 23.3 | 21.2           | 22.1 | 21.7 | 22.6 | 23.0 |
|                 | 6H   | 22.0             | 22.8 | 22.5 | 23.3 | 23.8 | 21.8           | 22.6 | 22.3 | 23.1 | 23.6 |
|                 | 8H   | 22.4             | 23.1 | 22.9 | 23.6 | 24.0 | 22.2           | 22.9 | 22.7 | 23.4 | 23.9 |
|                 | 12H  | 22.6             | 23.3 | 23.2 | 23.8 | 24.3 | 22.5           | 23.1 | 23.0 | 23.6 | 24.2 |
| 12H             | 4H   | 21.5             | 22.3 | 21.9 | 22.8 | 23.2 | 21.2           | 22.1 | 21.7 | 22.6 | 23.0 |
|                 | 6H   | 22.1             | 22.8 | 22.6 | 23.3 | 23.8 | 21.9           | 22.6 | 22.4 | 23.1 | 23.6 |
|                 | 8H   | 22.5             | 23.1 | 23.0 | 23.6 | 24.2 | 22.3           | 22.9 | 22.8 | 23.4 | 24.0 |















(END OF REPORT)