

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: P1527286

Luminaire Tested: 22CGSB-45-A125-L940

Issue Date: 8/24/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1527286  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/24/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 22CGSB-45-A125-L940  
Description: CGTX with A125 Lens Option  
  
Light Source:  
Ballast/Driver: -

**Summary**

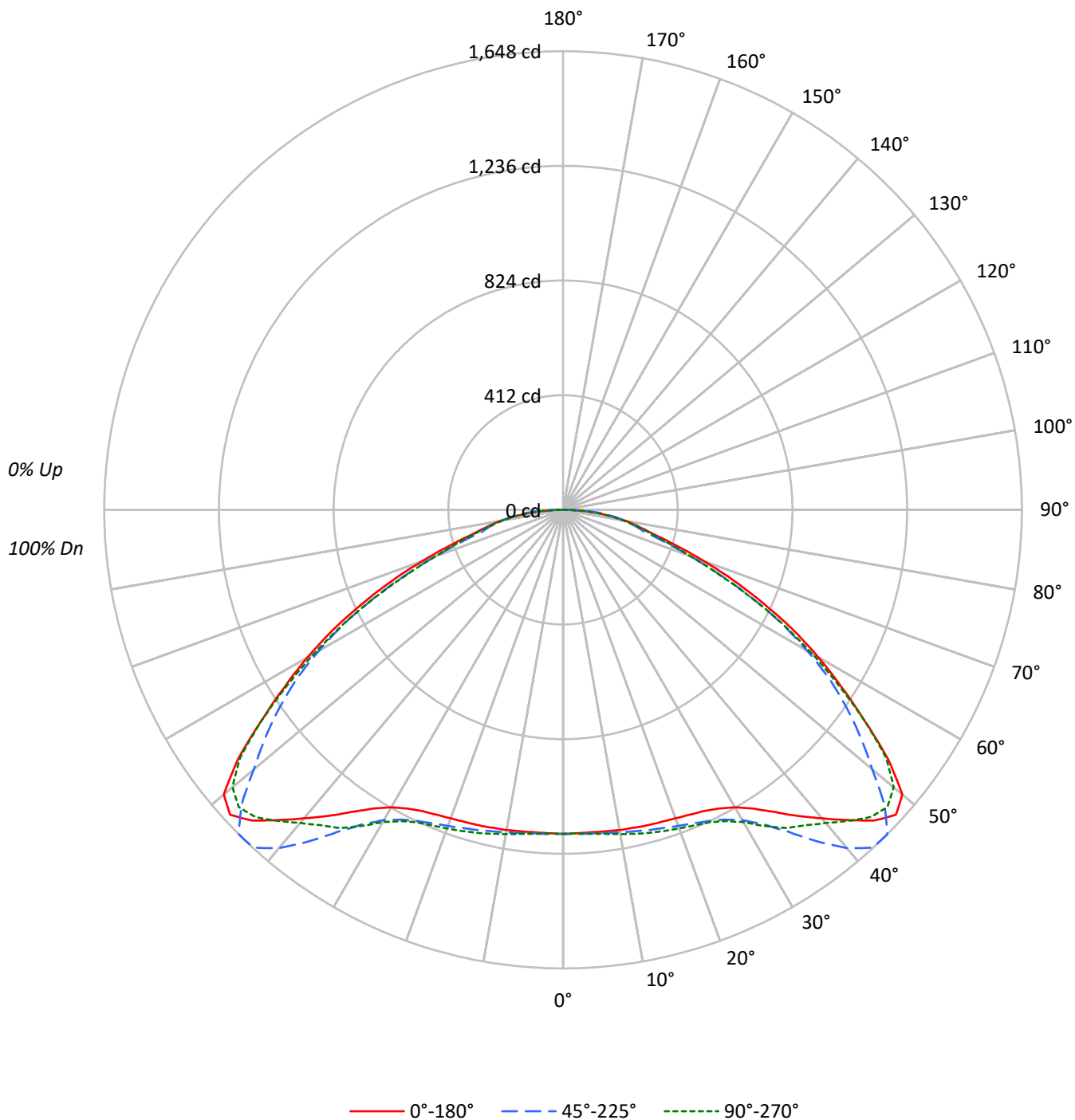
Lumens per Lamp: N/A  
Luminaire Lumens: 5507.9 lumens  
Efficiency: N/A  
Efficacy: 144.2 lumens/watt  
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 38.2  
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

TEST NUMBER: P1527286

CATALOG NUMBER: 22CGSB-45-A125-L940

### Luminous Intensity Polar Plot



TEST NUMBER: P1527286

CATALOG NUMBER: 22CGSB-45-A125-L940

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|-----|-----|-----|--|-----|
| RF  | 20  |     |     |     | 20  |     |     |     | 20  |     |     |  | 20  |     |     |  | 20  |
| RC  | 80  |     |     |     | 70  |     |     |     | 50  |     |     |  | 30  |     |     |  | 10  |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  |  | 50  | 30  | 10  |  | 50  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 |
| 1   | 108 | 103 | 98  | 94  | 105 | 101 | 97  | 93  | 96  | 93  | 90  |  | 92  | 90  | 87  |  | 89  |
| 2   | 97  | 89  | 81  | 75  | 95  | 87  | 80  | 74  | 83  | 77  | 73  |  | 80  | 75  | 71  |  | 77  |
| 3   | 88  | 77  | 68  | 61  | 85  | 75  | 67  | 61  | 72  | 65  | 59  |  | 69  | 63  | 58  |  | 67  |
| 4   | 80  | 67  | 58  | 51  | 78  | 66  | 57  | 50  | 63  | 55  | 49  |  | 61  | 54  | 49  |  | 58  |
| 5   | 73  | 59  | 49  | 42  | 71  | 58  | 49  | 42  | 56  | 48  | 42  |  | 54  | 47  | 41  |  | 52  |
| 6   | 67  | 52  | 43  | 36  | 65  | 52  | 42  | 36  | 50  | 42  | 36  |  | 48  | 41  | 35  |  | 46  |
| 7   | 61  | 47  | 38  | 31  | 60  | 46  | 37  | 31  | 45  | 37  | 31  |  | 43  | 36  | 30  |  | 42  |
| 8   | 57  | 42  | 33  | 27  | 55  | 42  | 33  | 27  | 40  | 32  | 27  |  | 39  | 32  | 27  |  | 38  |
| 9   | 53  | 39  | 30  | 24  | 51  | 38  | 30  | 24  | 37  | 29  | 24  |  | 36  | 29  | 24  |  | 35  |
| 10  | 49  | 35  | 27  | 21  | 48  | 35  | 27  | 21  | 34  | 26  | 21  |  | 33  | 26  | 21  |  | 32  |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 3133 | 3133 | 3133 |
| 5°  | 3142 | 3153 | 3156 |
| 10° | 3192 | 3215 | 3232 |
| 15° | 3269 | 3319 | 3348 |
| 20° | 3378 | 3462 | 3489 |
| 25° | 3546 | 3663 | 3679 |
| 30° | 3834 | 3999 | 4025 |
| 35° | 4354 | 4641 | 4586 |
| 40° | 5083 | 5573 | 5160 |
| 45° | 6010 | 6271 | 5942 |
| 50° | 6659 | 6067 | 6489 |
| 55° | 6208 | 5842 | 6204 |
| 60° | 5700 | 5454 | 5554 |
| 65° | 5041 | 4756 | 4749 |
| 70° | 4223 | 3806 | 3814 |
| 75° | 3472 | 3115 | 3363 |
| 80° | 3530 | 3515 | 3369 |
| 85° | 3470 | 4174 | 3532 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 6659 cd/sqm

TEST NUMBER: P1527286

CATALOG NUMBER: 22CGSB-45-A125-L940

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 111.7  | 2.0       |
| 10°-20°   | 337.6  | 6.1       |
| 20°-30°   | 570.7  | 10.4      |
| 30°-40°   | 877.6  | 15.9      |
| 40°-50°   | 1219.7 | 22.1      |
| 50°-60°   | 1148.1 | 20.8      |
| 60°-70°   | 758.2  | 13.8      |
| 70°-80°   | 352.3  | 6.4       |
| 80°-90°   | 131.9  | 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°    | 1020.0 | 18.5      |
| 0°-40°    | 1897.7 | 34.5      |
| 0°-60°    | 4265.5 | 77.4      |
| 0°-90°    | 5507.9 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 5507.9 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1164 | 1164  | 1164 | 1164  | 1164 |      |
| 5°  | 1163 | 1166  | 1167 | 1169  | 1168 | 111  |
| 15° | 1174 | 1179  | 1191 | 1200  | 1202 | 333  |
| 25° | 1194 | 1210  | 1234 | 1241  | 1239 | 556  |
| 35° | 1325 | 1372  | 1413 | 1408  | 1396 | 839  |
| 45° | 1579 | 1635  | 1648 | 1608  | 1562 | 1208 |
| 55° | 1323 | 1305  | 1245 | 1288  | 1322 | 1186 |
| 65° | 792  | 784   | 747  | 758   | 746  | 786  |
| 75° | 334  | 322   | 300  | 309   | 324  | 374  |
| 85° | 112  | 129   | 135  | 131   | 114  | 123  |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

TEST NUMBER: P1527286

CATALOG NUMBER: 22CGSB-45-A125-L940

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1164.1 | 1164.1 | 1164.1 | 1164.1 | 1164.1 |
| 2.5°  | 1163.1 | 1165.2 | 1166.2 | 1167.2 | 1164.1 |
| 5°    | 1163.1 | 1166.2 | 1167.2 | 1169.3 | 1168.3 |
| 7.5°  | 1165.2 | 1168.3 | 1171.4 | 1173.5 | 1174.5 |
| 10°   | 1168.3 | 1171.4 | 1176.6 | 1182.9 | 1182.9 |
| 12.5° | 1170.4 | 1175.6 | 1182.9 | 1191.2 | 1192.2 |
| 15°   | 1173.5 | 1178.7 | 1191.2 | 1199.5 | 1201.6 |
| 17.5° | 1175.6 | 1183.9 | 1198.5 | 1208.9 | 1209.9 |
| 20°   | 1179.7 | 1189.1 | 1208.9 | 1218.2 | 1218.2 |
| 22.5° | 1186.0 | 1198.5 | 1219.3 | 1227.6 | 1227.6 |
| 25°   | 1194.3 | 1209.9 | 1233.8 | 1241.1 | 1239.0 |
| 27.5° | 1209.9 | 1228.6 | 1254.6 | 1263.0 | 1260.9 |
| 30°   | 1233.8 | 1258.8 | 1286.9 | 1297.3 | 1295.2 |
| 32.5° | 1272.3 | 1303.5 | 1338.9 | 1348.3 | 1347.2 |
| 35°   | 1325.4 | 1372.2 | 1412.8 | 1407.6 | 1396.1 |
| 37.5° | 1386.8 | 1456.5 | 1502.2 | 1453.3 | 1428.4 |
| 40°   | 1447.1 | 1541.8 | 1586.5 | 1507.4 | 1468.9 |
| 42.5° | 1511.6 | 1608.3 | 1646.8 | 1569.9 | 1515.8 |
| 45°   | 1579.2 | 1635.4 | 1647.9 | 1608.3 | 1561.5 |
| 47.5° | 1621.9 | 1592.7 | 1565.7 | 1589.6 | 1580.3 |
| 50°   | 1590.7 | 1492.9 | 1449.2 | 1495.0 | 1550.1 |
| 52.5° | 1472.1 | 1400.3 | 1349.3 | 1392.0 | 1461.7 |
| 55°   | 1323.3 | 1304.6 | 1245.3 | 1287.9 | 1322.3 |
| 57.5° | 1187.0 | 1201.6 | 1137.1 | 1169.3 | 1174.5 |
| 60°   | 1059.1 | 1069.5 | 1013.3 | 1040.3 | 1032.0 |
| 62.5° | 929.0  | 930.1  | 886.4  | 902.0  | 889.5  |
| 65°   | 791.7  | 784.4  | 747.0  | 758.4  | 745.9  |
| 67.5° | 662.7  | 646.0  | 610.7  | 615.9  | 604.4  |
| 70°   | 536.8  | 517.0  | 483.8  | 491.0  | 484.8  |
| 72.5° | 424.5  | 408.8  | 379.7  | 389.1  | 395.3  |
| 75°   | 333.9  | 321.5  | 299.6  | 309.0  | 323.5  |
| 77.5° | 276.7  | 261.1  | 263.2  | 257.0  | 267.4  |
| 80°   | 227.8  | 218.5  | 226.8  | 220.5  | 217.4  |
| 82.5° | 169.6  | 178.9  | 182.1  | 185.2  | 169.6  |
| 85°   | 112.4  | 129.0  | 135.2  | 131.1  | 114.4  |
| 87.5° | 55.1   | 69.7   | 71.8   | 70.7   | 59.3   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

TEST NUMBER: P1527286

CATALOG NUMBER: 22CGSB-45-A125-L940

**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 | 19.2             | 20.9 | 19.6 | 21.3 | 21.6 | 19.0           | 20.8 | 19.4 | 21.1 | 21.4 |
|                 | 3H   | 20.5             | 22.1 | 20.8 | 22.4 | 22.7 | 20.2           | 21.8 | 20.6 | 22.1 | 22.5 |
|                 | 4H   | 20.9             | 22.4 | 21.3 | 22.7 | 23.1 | 20.6           | 22.1 | 21.0 | 22.4 | 22.8 |
|                 | 6H   | 21.2             | 22.6 | 21.6 | 23.0 | 23.3 | 20.9           | 22.3 | 21.3 | 22.7 | 23.1 |
|                 | 8H   | 21.3             | 22.7 | 21.8 | 23.1 | 23.5 | 21.1           | 22.4 | 21.5 | 22.8 | 23.2 |
|                 | 12H  | 21.5             | 22.7 | 21.9 | 23.1 | 23.6 | 21.2           | 22.5 | 21.6 | 22.9 | 23.3 |
| 4H              | 2H   | 19.6             | 21.1 | 20.0 | 21.5 | 21.9 | 19.5           | 21.0 | 19.9 | 21.3 | 21.7 |
|                 | 3H   | 21.1             | 22.3 | 21.5 | 22.7 | 23.1 | 20.8           | 22.1 | 21.2 | 22.5 | 22.9 |
|                 | 4H   | 21.6             | 22.7 | 22.0 | 23.1 | 23.6 | 21.3           | 22.5 | 21.8 | 22.9 | 23.3 |
|                 | 6H   | 22.1             | 23.0 | 22.5 | 23.5 | 23.9 | 21.8           | 22.8 | 22.3 | 23.3 | 23.7 |
|                 | 8H   | 22.3             | 23.2 | 22.7 | 23.6 | 24.1 | 22.1           | 23.0 | 22.5 | 23.4 | 23.9 |
|                 | 12H  | 22.5             | 23.3 | 22.9 | 23.8 | 24.2 | 22.3           | 23.1 | 22.7 | 23.6 | 24.0 |
| 8H              | 4H   | 21.8             | 22.7 | 22.2 | 23.1 | 23.6 | 21.5           | 22.5 | 22.0 | 22.9 | 23.4 |
|                 | 6H   | 22.4             | 23.2 | 22.9 | 23.6 | 24.1 | 22.2           | 22.9 | 22.7 | 23.4 | 23.9 |
|                 | 8H   | 22.7             | 23.4 | 23.2 | 23.9 | 24.4 | 22.5           | 23.2 | 23.0 | 23.7 | 24.2 |
|                 | 12H  | 23.0             | 23.6 | 23.5 | 24.1 | 24.6 | 22.8           | 23.5 | 23.3 | 23.9 | 24.5 |
| 12H             | 4H   | 21.8             | 22.6 | 22.3 | 23.1 | 23.6 | 21.6           | 22.4 | 22.0 | 22.9 | 23.4 |
|                 | 6H   | 22.4             | 23.2 | 23.0 | 23.6 | 24.1 | 22.3           | 23.0 | 22.8 | 23.4 | 23.9 |
|                 | 8H   | 22.8             | 23.4 | 23.3 | 23.9 | 24.5 | 22.6           | 23.3 | 23.2 | 23.8 | 24.3 |













(END OF REPORT)