

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: P1584140

Luminaire Tested: 14CGSB-70-A125-L935

Issue Date: 9/3/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1584140  
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-70-A125-L935  
Description: CGTX with A125 Lens Option  
  
Light Source:  
Ballast/Driver: -

**Summary**

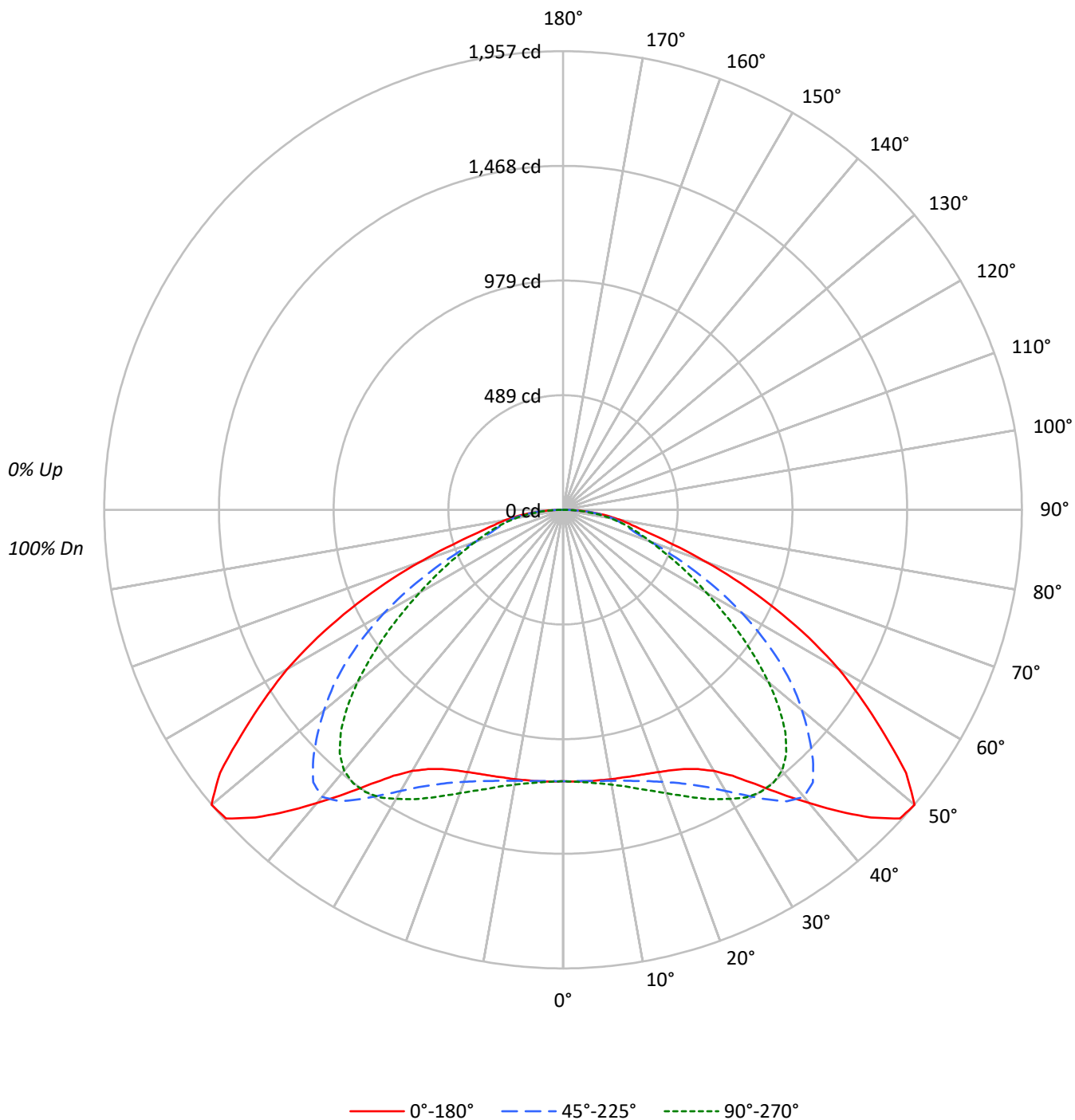
Lumens per Lamp: N/A  
Luminaire Lumens: 5424.8 lumens  
Efficiency: N/A  
Efficacy: 72.5 lumens/watt  
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 74.8  
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°  | 3117 | 3117 | 3117 |
| 5°  | 3140 | 3136 | 3153 |
| 10° | 3190 | 3207 | 3254 |
| 15° | 3274 | 3337 | 3431 |
| 20° | 3410 | 3537 | 3684 |
| 25° | 3623 | 3841 | 4027 |
| 30° | 3998 | 4304 | 4424 |
| 35° | 4687 | 4953 | 4828 |
| 40° | 5737 | 5616 | 5103 |
| 45° | 7065 | 5738 | 5102 |
| 50° | 8194 | 5572 | 4793 |
| 55° | 7860 | 5282 | 4310 |
| 60° | 7303 | 4740 | 3795 |
| 65° | 6361 | 3970 | 3400 |
| 70° | 5089 | 3121 | 3121 |
| 75° | 3904 | 2959 | 3098 |
| 80° | 3832 | 3417 | 3155 |
| 85° | 3850 | 3785 | 3088 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 8194 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 111.5  | 2.1       |
| 10°-20°   | 341.9  | 6.3       |
| 20°-30°   | 601.8  | 11.1      |
| 30°-40°   | 932.2  | 17.2      |
| 40°-50°   | 1187.6 | 21.9      |
| 50°-60°   | 1080.5 | 19.9      |
| 60°-70°   | 700.7  | 12.9      |
| 70°-80°   | 340.8  | 6.3       |
| 80°-90°   | 127.7  | 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°    | 1055.2 | 19.5      |
| 0°-40°    | 1987.4 | 36.6      |
| 0°-60°    | 4255.6 | 78.4      |
| 0°-90°    | 5424.8 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 5424.8 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1158 | 1158  | 1158 | 1158  | 1158 |      |
| 5°  | 1162 | 1164  | 1161 | 1163  | 1167 | 111  |
| 15° | 1175 | 1183  | 1198 | 1220  | 1232 | 334  |
| 25° | 1220 | 1246  | 1294 | 1339  | 1356 | 569  |
| 35° | 1427 | 1489  | 1508 | 1483  | 1470 | 909  |
| 45° | 1856 | 1742  | 1508 | 1376  | 1341 | 1426 |
| 55° | 1675 | 1470  | 1126 | 970   | 919  | 1496 |
| 65° | 999  | 885   | 624  | 540   | 534  | 989  |
| 75° | 376  | 344   | 285  | 271   | 298  | 426  |
| 85° | 125  | 136   | 123  | 112   | 100  | 135  |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1158.3 | 1158.3 | 1158.3 | 1158.3 | 1158.3 |
| 2.5°  | 1160.4 | 1161.8 | 1158.3 | 1159.0 | 1161.1 |
| 5°    | 1162.5 | 1163.9 | 1161.1 | 1163.2 | 1167.4 |
| 7.5°  | 1163.9 | 1166.7 | 1166.7 | 1171.6 | 1177.3 |
| 10°   | 1167.4 | 1170.2 | 1173.8 | 1183.6 | 1190.7 |
| 12.5° | 1170.2 | 1175.2 | 1183.6 | 1199.8 | 1207.6 |
| 15°   | 1175.2 | 1182.9 | 1197.7 | 1220.3 | 1231.5 |
| 17.5° | 1181.5 | 1192.8 | 1213.9 | 1243.5 | 1256.9 |
| 20°   | 1190.7 | 1205.5 | 1235.1 | 1270.3 | 1286.5 |
| 22.5° | 1202.6 | 1222.4 | 1260.4 | 1302.0 | 1319.6 |
| 25°   | 1220.3 | 1245.6 | 1293.5 | 1339.3 | 1356.2 |
| 27.5° | 1247.0 | 1278.7 | 1333.7 | 1379.5 | 1392.2 |
| 30°   | 1286.5 | 1325.9 | 1385.1 | 1416.8 | 1423.9 |
| 32.5° | 1345.0 | 1395.7 | 1442.9 | 1453.5 | 1454.9 |
| 35°   | 1426.7 | 1488.7 | 1507.7 | 1483.1 | 1469.7 |
| 37.5° | 1526.7 | 1595.8 | 1567.6 | 1494.3 | 1470.4 |
| 40°   | 1633.1 | 1689.5 | 1598.6 | 1485.2 | 1452.8 |
| 42.5° | 1745.8 | 1743.0 | 1577.5 | 1445.0 | 1409.8 |
| 45°   | 1856.5 | 1742.3 | 1507.7 | 1376.0 | 1340.7 |
| 47.5° | 1949.5 | 1689.5 | 1421.1 | 1290.7 | 1249.1 |
| 50°   | 1957.2 | 1620.4 | 1330.9 | 1187.1 | 1144.9 |
| 52.5° | 1844.5 | 1552.1 | 1235.8 | 1080.1 | 1031.4 |
| 55°   | 1675.4 | 1469.7 | 1125.9 | 970.2  | 918.7  |
| 57.5° | 1515.5 | 1361.9 | 1006.1 | 856.7  | 806.0  |
| 60°   | 1356.9 | 1223.1 | 880.7  | 746.8  | 705.2  |
| 62.5° | 1181.5 | 1061.7 | 752.4  | 637.6  | 615.8  |
| 65°   | 999.0  | 884.9  | 623.5  | 540.4  | 534.0  |
| 67.5° | 822.2  | 717.2  | 500.2  | 448.8  | 456.5  |
| 70°   | 646.8  | 566.4  | 396.7  | 384.7  | 396.7  |
| 72.5° | 491.8  | 446.7  | 322.7  | 325.5  | 345.2  |
| 75°   | 375.5  | 343.8  | 284.6  | 271.2  | 298.0  |
| 77.5° | 300.8  | 280.4  | 252.2  | 232.5  | 252.2  |
| 80°   | 247.3  | 242.4  | 220.5  | 197.3  | 203.6  |
| 82.5° | 186.7  | 190.2  | 173.3  | 161.3  | 153.6  |
| 85°   | 124.7  | 136.0  | 122.6  | 112.0  | 100.0  |
| 87.5° | 62.7   | 76.1   | 64.8   | 57.8   | 51.4   |
| 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 | 20.3             | 22.0 | 20.7 | 22.4 | 22.7 | 16.9           | 18.6 | 17.2 | 18.9 | 19.2 |
|                 | 3H   | 21.6             | 23.2 | 22.0 | 23.5 | 23.8 | 18.1           | 19.7 | 18.5 | 20.0 | 20.4 |
|                 | 4H   | 21.9             | 23.4 | 22.3 | 23.8 | 24.1 | 18.7           | 20.2 | 19.1 | 20.5 | 20.9 |
|                 | 6H   | 22.2             | 23.6 | 22.7 | 24.0 | 24.4 | 19.3           | 20.6 | 19.7 | 21.0 | 21.4 |
|                 | 8H   | 22.4             | 23.7 | 22.8 | 24.1 | 24.5 | 19.5           | 20.8 | 19.9 | 21.2 | 21.6 |
|                 | 12H  | 22.5             | 23.7 | 22.9 | 24.1 | 24.5 | 19.7           | 20.9 | 20.1 | 21.3 | 21.7 |
| 4H              | 2H   | 20.5             | 21.9 | 20.9 | 22.3 | 22.7 | 17.5           | 19.0 | 17.9 | 19.3 | 19.7 |
|                 | 3H   | 21.9             | 23.2 | 22.3 | 23.6 | 24.0 | 19.0           | 20.2 | 19.4 | 20.6 | 21.0 |
|                 | 4H   | 22.4             | 23.5 | 22.8 | 23.9 | 24.4 | 19.6           | 20.8 | 20.1 | 21.2 | 21.6 |
|                 | 6H   | 22.9             | 23.8 | 23.3 | 24.3 | 24.7 | 20.3           | 21.3 | 20.8 | 21.7 | 22.2 |
|                 | 8H   | 23.1             | 24.0 | 23.5 | 24.4 | 24.9 | 20.6           | 21.5 | 21.1 | 22.0 | 22.4 |
|                 | 12H  | 23.2             | 24.1 | 23.7 | 24.5 | 25.0 | 20.9           | 21.7 | 21.4 | 22.2 | 22.6 |
| 8H              | 4H   | 22.5             | 23.4 | 23.0 | 23.9 | 24.3 | 20.0           | 20.9 | 20.4 | 21.3 | 21.8 |
|                 | 6H   | 23.1             | 23.9 | 23.6 | 24.3 | 24.8 | 20.8           | 21.6 | 21.3 | 22.1 | 22.6 |
|                 | 8H   | 23.4             | 24.1 | 23.9 | 24.6 | 25.1 | 21.2           | 21.9 | 21.7 | 22.4 | 22.9 |
|                 | 12H  | 23.7             | 24.3 | 24.2 | 24.8 | 25.3 | 21.6           | 22.2 | 22.1 | 22.7 | 23.3 |
| 12H             | 4H   | 22.5             | 23.4 | 23.0 | 23.8 | 24.3 | 20.1           | 20.9 | 20.5 | 21.4 | 21.8 |
|                 | 6H   | 23.1             | 23.8 | 23.7 | 24.3 | 24.8 | 21.0           | 21.7 | 21.5 | 22.1 | 22.6 |
|                 | 8H   | 23.5             | 24.1 | 24.0 | 24.6 | 25.1 | 21.4           | 22.0 | 21.9 | 22.5 | 23.1 |















(END OF REPORT)