

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: IRiS

Report Number: P1344725

Luminaire Tested: P3A13R25W2N902750DE010 E3A301WMH\_3000K

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1344725  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/13/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A13R25W2N902750DE010 E3A301WMH\_3000K  
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 3000K CCT AND, 90CRI ,  
E3A301WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

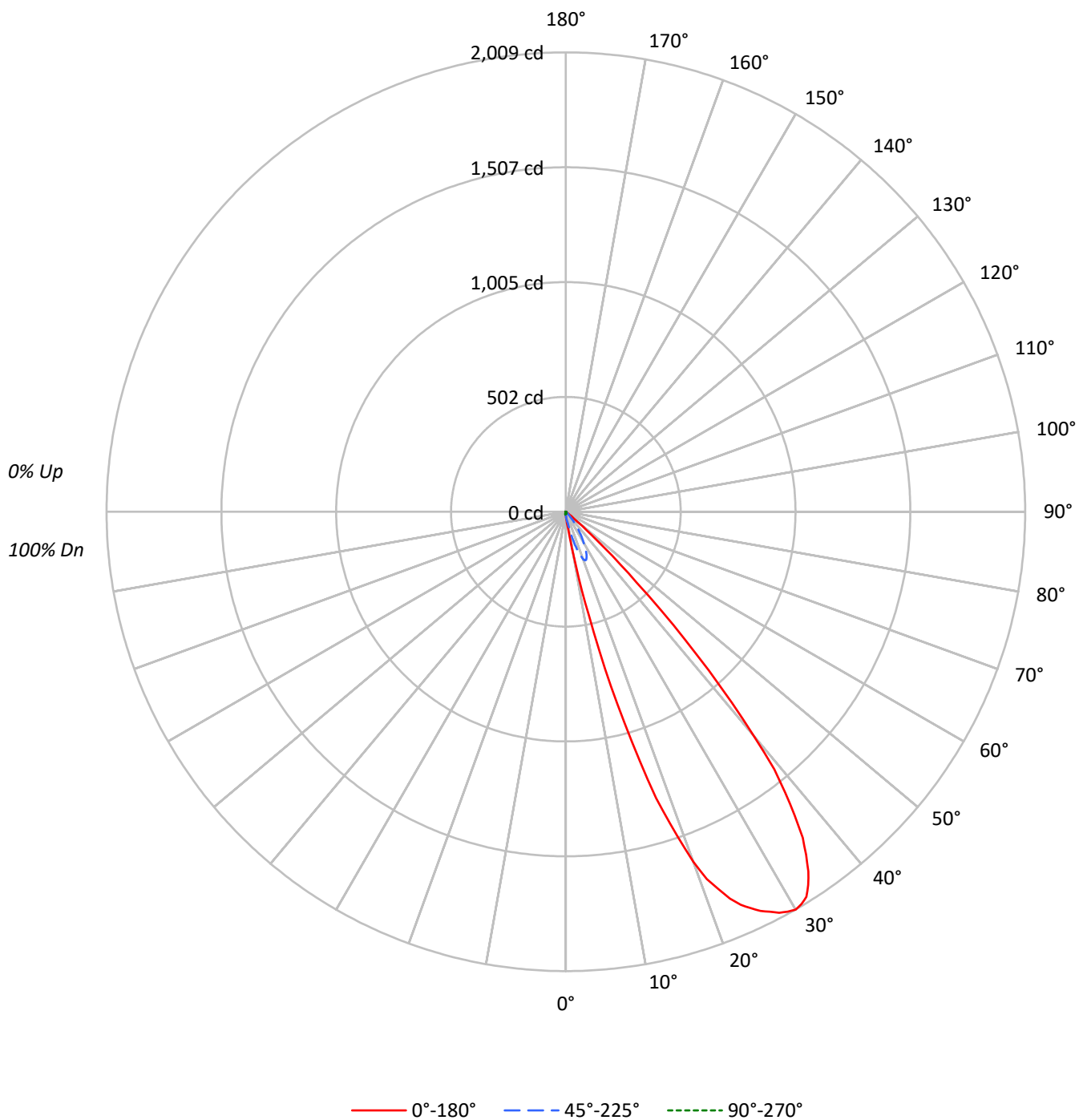
Lumens per Lamp: N/A  
Luminaire Lumens: 402.1 lumens  
Efficiency: N/A  
Efficacy: 32.7 lumens/watt  
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 12.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P1344725

CATALOG NUMBER: P3A13R25W2N902750DE010 E3A301WMH\_3000K

### Luminous Intensity Polar Plot



TEST NUMBER: P1344725

CATALOG NUMBER: P3A13R25W2N902750DE010 E3A301WMH\_3000K

**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  | 30  | 10  | 50  | 30 |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |    |
| 1   | 113 | 109 | 107 | 104 | 110 | 107 | 105 | 102 | 103 | 101 | 99  | 99  | 98  | 96  | 96  | 95  | 93  | 92  |    |
| 2   | 106 | 100 | 95  | 92  | 103 | 98  | 94  | 90  | 95  | 92  | 88  | 92  | 89  | 87  | 89  | 87  | 85  | 83  |    |
| 3   | 99  | 92  | 86  | 81  | 97  | 90  | 85  | 81  | 88  | 83  | 79  | 85  | 81  | 78  | 83  | 79  | 77  | 75  |    |
| 4   | 93  | 84  | 77  | 72  | 91  | 83  | 77  | 72  | 80  | 75  | 71  | 78  | 74  | 70  | 76  | 73  | 69  | 68  |    |
| 5   | 87  | 77  | 70  | 65  | 85  | 76  | 69  | 65  | 74  | 68  | 64  | 72  | 67  | 63  | 71  | 66  | 63  | 61  |    |
| 6   | 81  | 71  | 63  | 58  | 79  | 70  | 63  | 58  | 68  | 62  | 58  | 67  | 61  | 57  | 65  | 60  | 57  | 55  |    |
| 7   | 76  | 65  | 58  | 53  | 74  | 64  | 57  | 52  | 63  | 57  | 52  | 61  | 56  | 52  | 60  | 55  | 52  | 50  |    |
| 8   | 71  | 60  | 52  | 48  | 69  | 59  | 52  | 47  | 58  | 52  | 47  | 57  | 51  | 47  | 56  | 50  | 47  | 45  |    |
| 9   | 66  | 55  | 48  | 43  | 65  | 54  | 48  | 43  | 53  | 47  | 43  | 52  | 47  | 43  | 51  | 46  | 42  | 41  |    |
| 10  | 62  | 51  | 44  | 39  | 61  | 50  | 44  | 39  | 49  | 43  | 39  | 48  | 43  | 39  | 48  | 42  | 39  | 37  |    |

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

|     | 0°     | 45°   | 90°  | 135° | 180° |
|-----|--------|-------|------|------|------|
| 0°  | 3794   | 3794  | 3794 | 3794 | 3794 |
| 5°  | 9487   | 7022  | 3544 | 1827 | 1409 |
| 10° | 41504  | 11935 | 2917 | 846  | 579  |
| 15° | 197368 | 32191 | 2043 | 341  | 250  |
| 20° | 379946 | 51548 | 1307 | 93   | 93   |
| 25° | 462728 | 51995 | 726  | 0    | 0    |
| 30° | 508762 | 39804 | 279  | 0    | 0    |
| 35° | 490278 | 25297 | 107  | 0    | 0    |
| 40° | 366315 | 10963 | 0    | 0    | 115  |
| 45° | 135611 | 2915  | 124  | 124  | 341  |
| 50° | 15999  | 375   | 273  | 273  | 512  |
| 55° | 1567   | 0     | 306  | 421  | 726  |
| 60° | 175    | 0     | 482  | 658  | 833  |
| 65° | 208    | 208   | 778  | 986  | 1193 |
| 70° | 256    | 256   | 962  | 962  | 1475 |
| 75° | 339    | 339   | 932  | 932  | 1271 |
| 80° | 0      | 505   | 1389 | 1010 | 1389 |
| 85° | 0      | 1006  | 2768 | 1006 | 1006 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 135611 cd/sqm

TEST NUMBER: P1344725

CATALOG NUMBER: P3A13R25W2N902750DE010 E3A301WMH\_3000K

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 2.5    | 0.6       |
| 10°-20°   | 46.9   | 11.7      |
| 20°-30°   | 147.1  | 36.6      |
| 30°-40°   | 154.9  | 38.5      |
| 40°-50°   | 45.5   | 11.3      |
| 50°-60°   | 2.5    | 0.6       |
| 60°-70°   | 1.2    | 0.3       |
| 70°-80°   | 1.0    | 0.3       |
| 80°-90°   | 0.6    | 0.1       |
| 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°    | 196.5  | 48.9      |
| 0°-40°    | 351.3  | 87.4      |
| 0°-60°    | 399.3  | 99.3      |
| 0°-90°    | 402.1  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 402.1  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 17   | 17  | 17  | 17   | 17   |      |
| 5°  | 43   | 32  | 16  | 8    | 6    | 8    |
| 15° | 869  | 142 | 9   | 2    | 1    | 274  |
| 25° | 1912 | 215 | 3   | 0    | 0    | 877  |
| 35° | 1832 | 94  | 0   | 0    | 0    | 1105 |
| 45° | 437  | 9   | 0   | 0    | 1    | 397  |
| 55° | 4    | 0   | 1   | 1    | 2    | 10   |
| 65° | 0    | 0   | 2   | 2    | 2    | 0    |
| 75° | 0    | 0   | 1   | 1    | 2    | 0    |
| 85° | 0    | 0   | 1   | 0    | 0    | 0    |
| 90° | 0    | 0   | 0   | 0    | 0    |      |

TEST NUMBER: P1344725

CATALOG NUMBER: P3A13R25W2N902750DE010 E3A301WMH\_3000K

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°   | 45°   | 67.5° | 90°  | 112.5° |
|-------|--------|--------|--------|--------|--------|--------|-------|-------|-------|------|--------|
| 0°    | 17.3   | 17.3   | 17.3   | 17.3   | 17.3   | 17.3   | 17.3  | 17.3  | 17.3  | 17.3 | 17.3   |
| 2.5°  | 26.6   | 27.0   | 25.9   | 26.6   | 25.9   | 25.5   | 25.1  | 23.3  | 20.3  | 17.3 | 14.3   |
| 5°    | 43.1   | 43.1   | 41.3   | 40.9   | 40.1   | 38.6   | 37.1  | 31.9  | 22.9  | 16.1 | 11.3   |
| 7.5°  | 67.5   | 67.1   | 66.4   | 64.5   | 60.8   | 57.0   | 53.3  | 41.6  | 25.1  | 15.0 | 8.6    |
| 10°   | 186.4  | 183.8  | 180.4  | 160.2  | 137.3  | 117.0  | 99.4  | 53.6  | 27.0  | 13.1 | 6.4    |
| 12.5° | 463.2  | 448.2  | 412.6  | 372.1  | 320.3  | 265.9  | 212.7 | 87.4  | 27.8  | 10.9 | 4.5    |
| 15°   | 869.4  | 838.3  | 782.8  | 701.8  | 596.0  | 477.1  | 375.8 | 141.8 | 27.0  | 9.0  | 3.4    |
| 17.5° | 1312.7 | 1282.7 | 1205.9 | 1082.8 | 927.2  | 744.5  | 565.2 | 187.9 | 25.1  | 7.5  | 2.3    |
| 20°   | 1628.2 | 1596.3 | 1524.3 | 1393.8 | 1225.4 | 981.9  | 744.1 | 220.9 | 23.6  | 5.6  | 1.1    |
| 21°   | 1720.5 | 1688.6 | 1612.4 | 1486.4 | 1309.4 | 1065.2 | 801.5 | 226.5 | 22.5  | 4.9  | 0.8    |
| 22°   | 1779.0 | 1760.2 | 1678.4 | 1556.2 | 1375.8 | 1132.0 | 850.7 | 229.2 | 21.8  | 4.5  | 0.8    |
| 23°   | 1837.8 | 1809.7 | 1733.2 | 1604.2 | 1426.4 | 1181.5 | 887.0 | 227.3 | 21.0  | 3.8  | 0.4    |
| 24°   | 1881.4 | 1857.7 | 1768.8 | 1641.3 | 1461.7 | 1211.9 | 908.4 | 222.4 | 19.9  | 3.4  | 0.4    |
| 25°   | 1912.5 | 1890.7 | 1798.1 | 1666.4 | 1485.3 | 1228.4 | 915.2 | 214.9 | 18.8  | 3.0  | 0.4    |
| 26°   | 1942.1 | 1918.5 | 1822.5 | 1681.1 | 1497.7 | 1233.6 | 908.8 | 206.7 | 17.6  | 2.6  | 0.0    |
| 27°   | 1963.5 | 1939.5 | 1839.3 | 1689.7 | 1498.4 | 1227.2 | 891.5 | 195.4 | 16.5  | 2.3  | 0.0    |
| 28°   | 1986.4 | 1958.6 | 1851.0 | 1694.6 | 1493.9 | 1212.2 | 866.8 | 183.4 | 15.8  | 1.9  | 0.0    |
| 29°   | 2000.3 | 1974.0 | 1863.0 | 1699.8 | 1484.5 | 1187.1 | 830.8 | 169.2 | 13.9  | 1.1  | 0.0    |
| 30°   | 2009.3 | 1978.1 | 1861.9 | 1694.2 | 1472.2 | 1160.1 | 787.6 | 157.2 | 12.0  | 1.1  | 0.0    |
| 31°   | 2001.8 | 1969.1 | 1849.9 | 1678.4 | 1452.3 | 1124.8 | 743.4 | 142.2 | 9.8   | 0.8  | 0.0    |
| 32°   | 1985.6 | 1947.0 | 1828.8 | 1651.1 | 1416.6 | 1079.5 | 697.6 | 129.8 | 7.1   | 0.8  | 0.0    |
| 33°   | 1946.2 | 1913.6 | 1791.0 | 1614.3 | 1370.1 | 1017.9 | 638.0 | 117.8 | 4.9   | 0.4  | 0.0    |
| 34°   | 1896.7 | 1864.1 | 1739.2 | 1565.2 | 1307.9 | 938.4  | 565.6 | 105.4 | 4.1   | 0.4  | 0.0    |
| 35°   | 1831.5 | 1799.2 | 1680.7 | 1496.5 | 1225.4 | 842.8  | 491.0 | 94.5  | 3.4   | 0.4  | 0.0    |
| 36°   | 1762.8 | 1720.1 | 1606.8 | 1423.4 | 1114.7 | 734.0  | 411.1 | 82.1  | 2.6   | 0.4  | 0.0    |
| 37°   | 1661.9 | 1633.1 | 1507.4 | 1312.0 | 995.1  | 629.7  | 352.9 | 70.9  | 1.9   | 0.4  | 0.0    |
| 38°   | 1557.3 | 1530.7 | 1408.0 | 1199.9 | 861.5  | 526.6  | 295.6 | 60.0  | 1.5   | 0.0  | 0.0    |
| 39°   | 1449.3 | 1405.0 | 1283.9 | 1056.2 | 721.6  | 441.1  | 248.7 | 50.3  | 0.8   | 0.0  | 0.0    |
| 40°   | 1279.7 | 1246.0 | 1116.6 | 883.7  | 597.1  | 357.4  | 211.9 | 38.3  | 0.8   | 0.0  | 0.0    |
| 42.5° | 848.4  | 816.9  | 681.1  | 479.3  | 317.3  | 208.9  | 139.9 | 15.0  | 0.0   | 0.4  | 0.0    |
| 45°   | 437.3  | 417.5  | 339.1  | 250.9  | 180.0  | 128.3  | 90.0  | 9.4   | 0.0   | 0.4  | 0.4    |
| 47.5° | 173.7  | 170.3  | 153.8  | 132.8  | 102.4  | 76.1   | 49.1  | 4.1   | 0.0   | 0.4  | 0.4    |
| 50°   | 46.9   | 47.3   | 44.3   | 40.9   | 37.1   | 34.9   | 20.6  | 1.1   | 0.0   | 0.8  | 0.4    |
| 52.5° | 19.9   | 20.3   | 19.5   | 18.4   | 16.5   | 12.4   | 8.3   | 0.4   | 0.4   | 0.8  | 0.8    |
| 55°   | 4.1    | 4.5    | 4.9    | 5.3    | 6.0    | 5.3    | 3.4   | 0.0   | 0.4   | 0.8  | 0.8    |
| 57.5° | 0.8    | 0.8    | 0.8    | 0.8    | 1.1    | 1.1    | 0.8   | 0.0   | 0.4   | 0.8  | 1.1    |
| 60°   | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.0    | 0.0   | 0.0   | 0.8   | 1.1  | 1.1    |
| 62.5° | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4   | 0.4   | 0.8   | 1.1  | 1.5    |
| 65°   | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4   | 0.4   | 0.8   | 1.5  | 1.5    |
| 67.5° | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4   | 0.4   | 1.1   | 1.5  | 1.5    |
| 70°   | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4   | 0.4   | 1.1   | 1.5  | 1.5    |
| 72.5° | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4   | 0.4   | 1.1   | 1.5  | 1.1    |
| 75°   | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4   | 0.4   | 1.1   | 1.1  | 1.1    |
| 77.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.4    | 0.4   | 0.4   | 0.8   | 1.1  | 1.1    |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.4    | 0.4   | 0.4   | 0.8   | 1.1  | 0.8    |



TEST NUMBER: P1344725

CATALOG NUMBER: P3A13R25W2N902750DE010 E3A301WMH\_3000K

**CANDELA DISTRIBUTION (continued):**

|       | 0°  | 5°  | 10° | 15° | 20° | 25° | 30° | 45° | 67.5° | 90° | 112.5° |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----|--------|
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.4 | 0.8   | 1.1 | 0.8    |
| 85°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.8   | 1.1 | 0.8    |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.8   | 1.1 | 0.8    |
| 90°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0    |

TEST NUMBER: P1344725

CATALOG NUMBER: P3A13R25W2N902750DE010 E3A301WMH\_3000K

**CANDELA DISTRIBUTION (continued):**

|       | 135° | 157.5° | 180° |
|-------|------|--------|------|
| 0°    | 17.3 | 17.3   | 17.3 |
| 2.5°  | 12.0 | 10.9   | 10.5 |
| 5°    | 8.3  | 7.1    | 6.4  |
| 7.5°  | 5.6  | 4.5    | 4.1  |
| 10°   | 3.8  | 3.0    | 2.6  |
| 12.5° | 2.6  | 1.5    | 1.5  |
| 15°   | 1.5  | 1.1    | 1.1  |
| 17.5° | 0.8  | 0.4    | 0.4  |
| 20°   | 0.4  | 0.4    | 0.4  |
| 21°   | 0.0  | 0.0    | 0.0  |
| 22°   | 0.0  | 0.0    | 0.0  |
| 23°   | 0.0  | 0.0    | 0.0  |
| 24°   | 0.0  | 0.0    | 0.0  |
| 25°   | 0.0  | 0.0    | 0.0  |
| 26°   | 0.0  | 0.0    | 0.0  |
| 27°   | 0.0  | 0.0    | 0.0  |
| 28°   | 0.0  | 0.0    | 0.0  |
| 29°   | 0.0  | 0.0    | 0.0  |
| 30°   | 0.0  | 0.0    | 0.0  |
| 31°   | 0.0  | 0.0    | 0.0  |
| 32°   | 0.0  | 0.0    | 0.0  |
| 33°   | 0.0  | 0.0    | 0.0  |
| 34°   | 0.0  | 0.0    | 0.0  |
| 35°   | 0.0  | 0.0    | 0.0  |
| 36°   | 0.0  | 0.0    | 0.0  |
| 37°   | 0.0  | 0.0    | 0.0  |
| 38°   | 0.0  | 0.0    | 0.4  |
| 39°   | 0.0  | 0.4    | 0.4  |
| 40°   | 0.0  | 0.4    | 0.4  |
| 42.5° | 0.0  | 0.4    | 0.8  |
| 45°   | 0.4  | 0.8    | 1.1  |
| 47.5° | 0.8  | 1.1    | 1.5  |
| 50°   | 0.8  | 1.5    | 1.5  |
| 52.5° | 1.1  | 1.5    | 1.9  |
| 55°   | 1.1  | 1.9    | 1.9  |
| 57.5° | 1.5  | 1.9    | 2.3  |
| 60°   | 1.5  | 1.9    | 1.9  |
| 62.5° | 1.5  | 2.3    | 2.3  |
| 65°   | 1.9  | 2.3    | 2.3  |
| 67.5° | 1.9  | 2.3    | 2.3  |
| 70°   | 1.5  | 1.9    | 2.3  |
| 72.5° | 1.5  | 1.9    | 1.9  |
| 75°   | 1.1  | 1.5    | 1.5  |
| 77.5° | 1.1  | 1.1    | 1.5  |
| 80°   | 0.8  | 1.1    | 1.1  |



TEST NUMBER: P1344725

CATALOG NUMBER: P3A13R25W2N902750DE010 E3A301WMH\_3000K

**CANDELA DISTRIBUTION (continued):**

|       | 135° | 157.5° | 180° |
|-------|------|--------|------|
| 82.5° | 0.8  | 0.8    | 0.8  |
| 85°   | 0.4  | 0.4    | 0.4  |
| 87.5° | 0.4  | 0.4    | 0.4  |
| 90°   | 0.0  | 0.0    | 0.0  |

(END OF REPORT)