

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: P1344783

Luminaire Tested: P3A13R25W2N902765DE010 E3A301GPH\_5000K

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1344783  
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: P3A13R25W2N902765DE010 E3A301GPH\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 5000K CCT AND, 90CRI ,  
E3A301GPH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

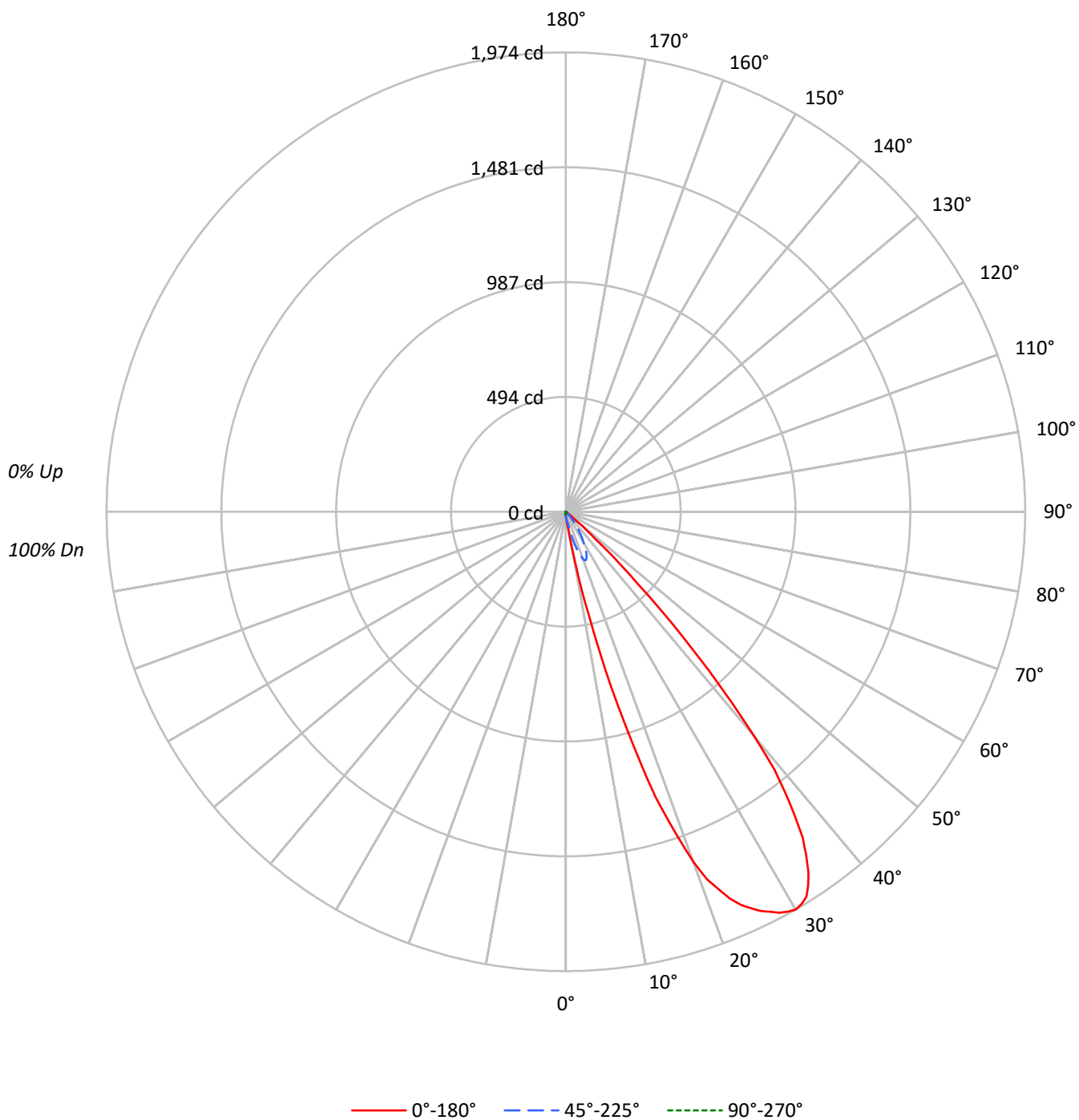
Lumens per Lamp: N/A  
Luminaire Lumens: 395.0 lumens  
Efficiency: N/A  
Efficacy: 32.1 lumens/watt  
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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

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### Luminous Intensity Polar Plot



TEST NUMBER: P1344783

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**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  | 70  | 59  | 52  | 47  | 58  | 52  | 47  | 57  | 51  | 47  | 56  | 51  | 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°  | 3728   | 3728  | 3728 | 3728 | 3728 |
| 5°  | 9333   | 6890  | 3478 | 1783 | 1387 |
| 10° | 40792  | 11734 | 2872 | 824  | 579  |
| 15° | 193940 | 31623 | 1998 | 341  | 250  |
| 20° | 373319 | 50661 | 1283 | 93   | 93   |
| 25° | 454671 | 51100 | 702  | 0    | 0    |
| 30° | 499900 | 39095 | 279  | 0    | 0    |
| 35° | 481739 | 24869 | 107  | 0    | 0    |
| 40° | 359960 | 10763 | 0    | 0    | 115  |
| 45° | 133254 | 2853  | 124  | 124  | 341  |
| 50° | 15727  | 375   | 239  | 239  | 512  |
| 55° | 1567   | 0     | 268  | 421  | 688  |
| 60° | 175    | 0     | 482  | 658  | 789  |
| 65° | 208    | 208   | 778  | 934  | 1141 |
| 70° | 256    | 256   | 962  | 962  | 1410 |
| 75° | 339    | 339   | 932  | 932  | 1271 |
| 80° | 0      | 505   | 1389 | 884  | 1389 |
| 85° | 0      | 1006  | 2768 | 1006 | 1006 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 133254 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 2.5    | 0.6       |
| 10°-20°   | 46.1   | 11.7      |
| 20°-30°   | 144.5  | 36.6      |
| 30°-40°   | 152.2  | 38.5      |
| 40°-50°   | 44.7   | 11.3      |
| 50°-60°   | 2.4    | 0.6       |
| 60°-70°   | 1.2    | 0.3       |
| 70°-80°   | 1.0    | 0.3       |
| 80°-90°   | 0.5    | 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°    | 193.1  | 48.9      |
| 0°-40°    | 345.2  | 87.4      |
| 0°-60°    | 392.3  | 99.3      |
| 0°-90°    | 395.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 395.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 17   | 17  | 17  | 17   | 17   |      |
| 5°  | 42   | 31  | 16  | 8    | 6    | 8    |
| 15° | 854  | 139 | 9   | 2    | 1    | 269  |
| 25° | 1879 | 211 | 3   | 0    | 0    | 862  |
| 35° | 1800 | 93  | 0   | 0    | 0    | 1086 |
| 45° | 430  | 9   | 0   | 0    | 1    | 390  |
| 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    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°   | 45°   | 67.5° | 90°  | 112.5° |
|-------|--------|--------|--------|--------|--------|--------|-------|-------|-------|------|--------|
| 0°    | 17.0   | 17.0   | 17.0   | 17.0   | 17.0   | 17.0   | 17.0  | 17.0  | 17.0  | 17.0 | 17.0   |
| 2.5°  | 26.2   | 26.5   | 25.4   | 26.2   | 25.4   | 25.1   | 24.7  | 22.8  | 19.9  | 17.0 | 14.0   |
| 5°    | 42.4   | 42.4   | 40.5   | 40.2   | 39.4   | 38.0   | 36.5  | 31.3  | 22.5  | 15.8 | 11.1   |
| 7.5°  | 66.3   | 66.0   | 65.2   | 63.4   | 59.7   | 56.0   | 52.3  | 40.9  | 24.7  | 14.7 | 8.5    |
| 10°   | 183.2  | 180.6  | 177.3  | 157.4  | 134.9  | 115.0  | 97.7  | 52.7  | 26.5  | 12.9 | 6.3    |
| 12.5° | 455.1  | 440.4  | 405.4  | 365.6  | 314.7  | 261.3  | 209.0 | 85.9  | 27.3  | 10.7 | 4.4    |
| 15°   | 854.3  | 823.7  | 769.1  | 689.5  | 585.6  | 468.8  | 369.3 | 139.3 | 26.5  | 8.8  | 3.3    |
| 17.5° | 1289.9 | 1260.4 | 1184.9 | 1064.0 | 911.0  | 731.6  | 555.4 | 184.6 | 24.7  | 7.4  | 2.2    |
| 20°   | 1599.8 | 1568.5 | 1497.7 | 1369.5 | 1204.0 | 964.8  | 731.2 | 217.1 | 23.2  | 5.5  | 1.1    |
| 21°   | 1690.5 | 1659.2 | 1584.4 | 1460.5 | 1286.6 | 1046.7 | 787.6 | 222.6 | 22.1  | 4.8  | 0.7    |
| 22°   | 1748.0 | 1729.6 | 1649.2 | 1529.1 | 1351.8 | 1112.3 | 835.8 | 225.2 | 21.4  | 4.4  | 0.7    |
| 23°   | 1805.8 | 1778.2 | 1703.0 | 1576.2 | 1401.6 | 1160.9 | 871.6 | 223.3 | 20.6  | 3.7  | 0.4    |
| 24°   | 1848.6 | 1825.4 | 1738.0 | 1612.7 | 1436.2 | 1190.8 | 892.6 | 218.5 | 19.5  | 3.3  | 0.4    |
| 25°   | 1879.2 | 1857.8 | 1766.8 | 1637.4 | 1459.4 | 1207.0 | 899.2 | 211.2 | 18.4  | 2.9  | 0.4    |
| 26°   | 1908.3 | 1885.1 | 1790.7 | 1651.8 | 1471.6 | 1212.1 | 893.0 | 203.1 | 17.3  | 2.6  | 0.0    |
| 27°   | 1929.3 | 1905.7 | 1807.3 | 1660.3 | 1472.3 | 1205.9 | 876.0 | 192.0 | 16.2  | 2.2  | 0.0    |
| 28°   | 1951.8 | 1924.5 | 1818.7 | 1665.1 | 1467.9 | 1191.1 | 851.7 | 180.2 | 15.5  | 1.8  | 0.0    |
| 29°   | 1965.4 | 1939.6 | 1830.5 | 1670.2 | 1458.7 | 1166.4 | 816.3 | 166.2 | 13.6  | 1.1  | 0.0    |
| 30°   | 1974.3 | 1943.7 | 1829.4 | 1664.7 | 1446.5 | 1139.9 | 773.9 | 154.4 | 11.8  | 1.1  | 0.0    |
| 31°   | 1966.9 | 1934.8 | 1817.6 | 1649.2 | 1427.0 | 1105.3 | 730.4 | 139.7 | 9.6   | 0.7  | 0.0    |
| 32°   | 1951.1 | 1913.1 | 1797.0 | 1622.3 | 1392.0 | 1060.7 | 685.5 | 127.5 | 7.0   | 0.7  | 0.0    |
| 33°   | 1912.4 | 1880.3 | 1759.8 | 1586.2 | 1346.3 | 1000.2 | 626.9 | 115.7 | 4.8   | 0.4  | 0.0    |
| 34°   | 1863.7 | 1831.6 | 1708.9 | 1537.9 | 1285.1 | 922.1  | 555.8 | 103.6 | 4.1   | 0.4  | 0.0    |
| 35°   | 1799.6 | 1767.9 | 1651.4 | 1470.5 | 1204.0 | 828.1  | 482.4 | 92.9  | 3.3   | 0.4  | 0.0    |
| 36°   | 1732.1 | 1690.1 | 1578.8 | 1398.6 | 1095.3 | 721.2  | 403.9 | 80.7  | 2.6   | 0.4  | 0.0    |
| 37°   | 1633.0 | 1604.6 | 1481.2 | 1289.2 | 977.7  | 618.8  | 346.8 | 69.7  | 1.8   | 0.4  | 0.0    |
| 38°   | 1530.2 | 1504.0 | 1383.5 | 1179.0 | 846.5  | 517.4  | 290.4 | 59.0  | 1.5   | 0.0  | 0.0    |
| 39°   | 1424.0 | 1380.6 | 1261.5 | 1037.8 | 709.1  | 433.4  | 244.3 | 49.4  | 0.7   | 0.0  | 0.0    |
| 40°   | 1257.5 | 1224.3 | 1097.1 | 868.3  | 586.7  | 351.2  | 208.2 | 37.6  | 0.7   | 0.0  | 0.0    |
| 42.5° | 833.6  | 802.7  | 669.3  | 471.0  | 311.8  | 205.3  | 137.5 | 14.7  | 0.0   | 0.4  | 0.0    |
| 45°   | 429.7  | 410.2  | 333.2  | 246.6  | 176.9  | 126.0  | 88.4  | 9.2   | 0.0   | 0.4  | 0.4    |
| 47.5° | 170.6  | 167.3  | 151.1  | 130.5  | 100.6  | 74.8   | 48.3  | 4.1   | 0.0   | 0.4  | 0.4    |
| 50°   | 46.1   | 46.4   | 43.5   | 40.2   | 36.5   | 34.3   | 20.3  | 1.1   | 0.0   | 0.7  | 0.4    |
| 52.5° | 19.5   | 19.9   | 19.2   | 18.1   | 16.2   | 12.2   | 8.1   | 0.4   | 0.4   | 0.7  | 0.7    |
| 55°   | 4.1    | 4.4    | 4.8    | 5.2    | 5.9    | 5.2    | 3.3   | 0.0   | 0.4   | 0.7  | 0.7    |
| 57.5° | 0.7    | 0.7    | 0.7    | 0.7    | 1.1    | 1.1    | 0.7   | 0.0   | 0.4   | 0.7  | 1.1    |
| 60°   | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.0    | 0.0   | 0.0   | 0.7   | 1.1  | 1.1    |
| 62.5° | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4   | 0.4   | 0.7   | 1.1  | 1.5    |
| 65°   | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4   | 0.4   | 0.7   | 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   | 0.7   | 1.1  | 1.1    |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.4    | 0.4   | 0.4   | 0.7   | 1.1  | 0.7    |



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**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 | 0.7   | 1.1 | 0.7    |
| 85°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.7   | 1.1 | 0.7    |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.7   | 1.1 | 0.7    |
| 90°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0    |

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**CANDELA DISTRIBUTION (continued):**

|       | 135° | 157.5° | 180° |
|-------|------|--------|------|
| 0°    | 17.0 | 17.0   | 17.0 |
| 2.5°  | 11.8 | 10.7   | 10.3 |
| 5°    | 8.1  | 7.0    | 6.3  |
| 7.5°  | 5.5  | 4.4    | 4.1  |
| 10°   | 3.7  | 2.9    | 2.6  |
| 12.5° | 2.6  | 1.5    | 1.5  |
| 15°   | 1.5  | 1.1    | 1.1  |
| 17.5° | 0.7  | 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    | 0.7  |
| 45°   | 0.4  | 0.7    | 1.1  |
| 47.5° | 0.7  | 1.1    | 1.5  |
| 50°   | 0.7  | 1.5    | 1.5  |
| 52.5° | 1.1  | 1.5    | 1.8  |
| 55°   | 1.1  | 1.8    | 1.8  |
| 57.5° | 1.5  | 1.8    | 2.2  |
| 60°   | 1.5  | 1.8    | 1.8  |
| 62.5° | 1.5  | 2.2    | 2.2  |
| 65°   | 1.8  | 2.2    | 2.2  |
| 67.5° | 1.8  | 2.2    | 2.2  |
| 70°   | 1.5  | 1.8    | 2.2  |
| 72.5° | 1.5  | 1.8    | 1.8  |
| 75°   | 1.1  | 1.5    | 1.5  |
| 77.5° | 1.1  | 1.1    | 1.5  |
| 80°   | 0.7  | 1.1    | 1.1  |





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**CANDELA DISTRIBUTION (continued):**

|       | 135° | 157.5° | 180° |
|-------|------|--------|------|
| 82.5° | 0.7  | 0.7    | 0.7  |
| 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)