

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



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: CORELITE

Report Number: P934039

Luminaire Tested: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-6-3500K

Issue Date: 12/17/2024

**Test Information**

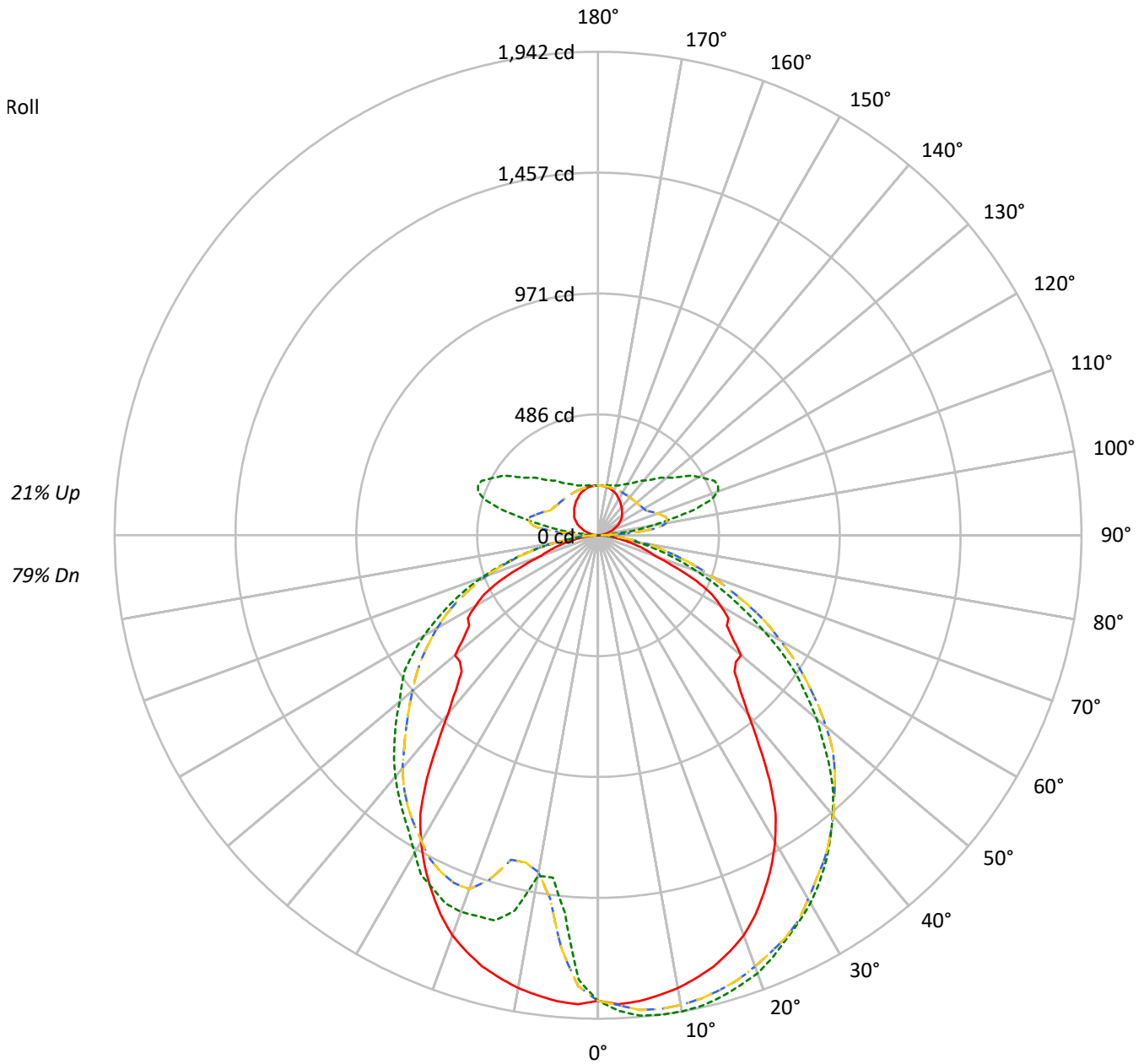
Test Method: LM-79-2019  
Report Number: P934039  
REPORT IS A COMBINATION OF REPORTS P933683 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-6-3500K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6143.9 lumens  
Efficiency: N/A  
Efficacy: 105.6 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')  
CIE Type: Semi-Direct  
  
Input Watts (W): 58.2  
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



— 0°-180°    - - 45°-225°    - · - 90°-270°    - · - 135°-315°



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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 | 50 | 30 | 10 | 0  |
| RCR |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 114 | 114 | 114 | 114 | 109 | 109 | 109 | 109 | 99 | 99 | 99 | 91 | 91 | 91 | 83 | 83 | 83 | 79 |    |    | 79 |
| 1   | 104 | 100 | 96  | 92  | 100 | 96  | 92  | 89  | 88 | 85 | 82 | 80 | 78 | 76 | 73 | 72 | 70 | 67 |    |    | 67 |
| 2   | 95  | 87  | 81  | 76  | 91  | 84  | 78  | 73  | 77 | 72 | 68 | 70 | 67 | 64 | 65 | 62 | 59 | 56 |    |    | 56 |
| 3   | 87  | 77  | 69  | 63  | 83  | 74  | 67  | 61  | 68 | 62 | 57 | 62 | 58 | 54 | 57 | 54 | 50 | 47 |    |    | 47 |
| 4   | 79  | 68  | 60  | 53  | 76  | 65  | 58  | 52  | 60 | 54 | 49 | 56 | 50 | 46 | 51 | 47 | 43 | 41 |    |    | 41 |
| 5   | 73  | 61  | 52  | 46  | 70  | 58  | 51  | 45  | 54 | 47 | 42 | 50 | 44 | 40 | 46 | 41 | 38 | 35 |    |    | 35 |
| 6   | 67  | 55  | 46  | 40  | 64  | 53  | 45  | 39  | 49 | 42 | 37 | 45 | 39 | 35 | 42 | 37 | 33 | 31 |    |    | 31 |
| 7   | 62  | 50  | 41  | 35  | 59  | 48  | 40  | 34  | 44 | 38 | 33 | 41 | 35 | 31 | 38 | 33 | 30 | 27 |    |    | 27 |
| 8   | 58  | 45  | 37  | 31  | 55  | 44  | 36  | 31  | 40 | 34 | 29 | 38 | 32 | 28 | 35 | 30 | 26 | 24 |    |    | 24 |
| 9   | 54  | 41  | 33  | 28  | 52  | 40  | 33  | 27  | 37 | 31 | 26 | 35 | 29 | 25 | 32 | 27 | 24 | 22 |    |    | 22 |
| 10  | 51  | 38  | 30  | 25  | 48  | 37  | 30  | 25  | 34 | 28 | 24 | 32 | 27 | 23 | 30 | 25 | 22 | 20 |    |    | 20 |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 11566 | 11566 | 11566 | 11566 |
| 5°  | 11648 | 11676 | 11648 | 9181  |
| 10° | 11566 | 11501 | 11566 | 8223  |
| 15° | 11436 | 11252 | 11436 | 9396  |
| 20° | 11193 | 10957 | 11193 | 9415  |
| 25° | 10699 | 10526 | 10699 | 9216  |
| 30° | 10062 | 10169 | 10062 | 8777  |
| 35° | 8966  | 9717  | 8966  | 8296  |
| 40° | 7466  | 9184  | 7466  | 7932  |
| 45° | 6667  | 8562  | 6667  | 7514  |
| 50° | 7077  | 7818  | 7077  | 7094  |
| 55° | 6653  | 7018  | 6653  | 6851  |
| 60° | 6850  | 5960  | 6850  | 6275  |
| 65° | 6200  | 4927  | 6200  | 5508  |
| 70° | 4282  | 3926  | 4282  | 4616  |
| 75° | 3742  | 2902  | 3742  | 3476  |
| 80° | 2991  | 1919  | 2991  | 2089  |
| 85° | 1687  | 1017  | 1687  | 865   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 10225 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 168.8  | 2.7       |
| 10°-20°   | 479.2  | 7.8       |
| 20°-30°   | 740.8  | 12.1      |
| 30°-40°   | 884.3  | 14.4      |
| 40°-50°   | 889.5  | 14.5      |
| 50°-60°   | 774.0  | 12.6      |
| 60°-70°   | 548.7  | 8.9       |
| 70°-80°   | 290.3  | 4.7       |
| 80°-90°   | 73.1   | 1.2       |
| 90°-100°  | 97.4   | 1.6       |
| 100°-110° | 256.1  | 4.2       |
| 110°-120° | 265.5  | 4.3       |
| 120°-130° | 213.0  | 3.5       |
| 130°-140° | 167.1  | 2.7       |
| 140°-150° | 128.3  | 2.1       |
| 150°-160° | 92.4   | 1.5       |
| 160°-170° | 56.5   | 0.9       |
| 170°-180° | 19.1   | 0.3       |
| 0°-30°    | 1388.7 | 22.6      |
| 0°-40°    | 2273.0 | 37.0      |
| 0°-60°    | 3936.4 | 64.1      |
| 0°-90°    | 4848.6 | 78.9      |
| 90°-120°  | 619.0  | 10.1      |
| 90°-150°  | 1127.3 | 18.3      |
| 90°-180°  | 1295.0 | 21.1      |
| 0°-180°   | 6143.9 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 1870 | 1870 | 1870 | 1870 | 1870 |      |
| 5°   | 1878 | 1937 | 1878 | 1523 | 1878 | 178  |
| 15°  | 1794 | 1919 | 1794 | 1603 | 1794 | 505  |
| 25°  | 1580 | 1790 | 1580 | 1567 | 1580 | 725  |
| 35°  | 1201 | 1597 | 1201 | 1364 | 1201 | 743  |
| 45°  | 775  | 1316 | 775  | 1155 | 775  | 621  |
| 55°  | 632  | 971  | 632  | 948  | 632  | 580  |
| 65°  | 439  | 586  | 439  | 654  | 439  | 419  |
| 75°  | 166  | 278  | 166  | 333  | 166  | 175  |
| 85°  | 28   | 71   | 28   | 60   | 28   | 38   |
| 90°  | 1    | 5    | 1    | 5    | 1    | 2    |
| 95°  | 13   | 59   | 13   | 59   | 13   | 14   |
| 105° | 46   | 401  | 46   | 401  | 46   | 49   |
| 115° | 82   | 516  | 82   | 516  | 82   | 81   |
| 125° | 114  | 411  | 114  | 411  | 114  | 101  |
| 135° | 136  | 319  | 136  | 319  | 136  | 105  |
| 145° | 158  | 259  | 158  | 259  | 158  | 99   |
| 155° | 178  | 223  | 178  | 223  | 178  | 82   |
| 165° | 192  | 208  | 192  | 208  | 192  | 54   |
| 175° | 200  | 201  | 200  | 201  | 200  | 19   |
| 180° | 200  | 200  | 200  | 200  | 200  |      |



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1869.7 | 1869.7 | 1869.7 | 1869.7 | 1869.7 | 1869.7 | 1869.7 | 1869.7 | 1869.7 | 1869.7 | 1869.7 |
| 2.5°   | 1885.7 | 1885.7 | 1896.3 | 1899.8 | 1899.8 | 1894.5 | 1889.1 | 1894.5 | 1910.4 | 1915.7 | 1914.0 |
| 5°     | 1878.5 | 1892.7 | 1912.2 | 1915.7 | 1919.2 | 1917.4 | 1914.0 | 1917.4 | 1935.1 | 1938.7 | 1940.5 |
| 7.5°   | 1864.4 | 1890.9 | 1915.7 | 1921.0 | 1926.3 | 1921.0 | 1919.2 | 1922.8 | 1940.5 | 1944.0 | 1944.0 |
| 10°    | 1846.7 | 1883.9 | 1912.2 | 1915.7 | 1921.0 | 1915.7 | 1915.7 | 1922.8 | 1940.5 | 1944.0 | 1945.7 |
| 12.5°  | 1821.9 | 1873.3 | 1899.8 | 1903.3 | 1910.4 | 1908.6 | 1906.8 | 1914.0 | 1931.6 | 1935.1 | 1935.1 |
| 15°    | 1793.6 | 1853.8 | 1878.5 | 1882.1 | 1894.5 | 1890.9 | 1890.9 | 1898.0 | 1917.4 | 1922.8 | 1921.0 |
| 17.5°  | 1754.7 | 1829.0 | 1857.4 | 1862.6 | 1871.5 | 1869.7 | 1871.5 | 1878.5 | 1896.3 | 1899.8 | 1901.5 |
| 20°    | 1710.5 | 1795.4 | 1829.0 | 1834.3 | 1843.2 | 1843.2 | 1843.2 | 1852.0 | 1869.7 | 1876.8 | 1876.8 |
| 22.5°  | 1650.4 | 1760.1 | 1795.4 | 1799.0 | 1809.6 | 1809.6 | 1813.1 | 1825.5 | 1841.4 | 1843.2 | 1843.2 |
| 25°    | 1579.6 | 1721.1 | 1751.2 | 1761.8 | 1772.4 | 1777.7 | 1783.0 | 1790.1 | 1795.4 | 1793.6 | 1795.4 |
| 27.5°  | 1505.3 | 1671.6 | 1710.5 | 1717.6 | 1731.8 | 1737.0 | 1744.1 | 1745.9 | 1747.7 | 1752.9 | 1749.4 |
| 30°    | 1422.2 | 1602.6 | 1661.0 | 1668.0 | 1691.1 | 1694.5 | 1687.5 | 1691.1 | 1699.9 | 1703.5 | 1707.0 |
| 32.5°  | 1328.4 | 1500.0 | 1609.7 | 1625.6 | 1646.8 | 1636.2 | 1634.5 | 1639.7 | 1653.9 | 1653.9 | 1657.4 |
| 35°    | 1201.1 | 1420.4 | 1561.9 | 1576.1 | 1592.0 | 1579.6 | 1586.7 | 1588.4 | 1597.3 | 1602.6 | 1600.8 |
| 37.5°  | 1061.3 | 1351.4 | 1512.4 | 1523.0 | 1535.4 | 1519.5 | 1530.0 | 1535.4 | 1542.4 | 1539.0 | 1539.0 |
| 40°    | 937.5  | 1243.5 | 1454.0 | 1461.1 | 1471.8 | 1459.3 | 1470.0 | 1473.4 | 1477.0 | 1473.4 | 1471.8 |
| 42.5°  | 845.5  | 1125.0 | 1392.1 | 1401.0 | 1393.9 | 1402.8 | 1406.2 | 1413.4 | 1408.0 | 1401.0 | 1401.0 |
| 45°    | 774.8  | 1093.2 | 1324.9 | 1335.5 | 1324.9 | 1339.0 | 1344.4 | 1344.4 | 1328.4 | 1324.9 | 1323.1 |
| 47.5°  | 751.8  | 1029.5 | 1257.7 | 1257.7 | 1252.3 | 1270.0 | 1278.9 | 1266.5 | 1250.6 | 1245.3 | 1245.3 |
| 50°    | 750.0  | 958.8  | 1165.7 | 1158.6 | 1183.3 | 1204.6 | 1195.8 | 1183.3 | 1171.0 | 1151.6 | 1151.6 |
| 52.5°  | 681.0  | 872.1  | 1047.1 | 1073.7 | 1112.7 | 1125.0 | 1110.9 | 1098.5 | 1077.2 | 1068.4 | 1061.3 |
| 55°    | 631.5  | 781.8  | 939.3  | 992.3  | 1033.0 | 1048.9 | 1022.4 | 1010.0 | 978.2  | 972.9  | 969.4  |
| 57.5°  | 620.9  | 651.0  | 840.2  | 907.4  | 957.0  | 955.2  | 939.3  | 916.3  | 889.8  | 884.4  | 882.7  |
| 60°    | 569.6  | 470.5  | 734.1  | 813.7  | 864.9  | 859.7  | 845.5  | 824.3  | 799.5  | 796.0  | 792.5  |
| 62.5°  | 516.5  | 341.4  | 613.8  | 704.0  | 776.6  | 774.8  | 762.4  | 730.5  | 712.8  | 704.0  | 697.0  |
| 65°    | 438.7  | 286.5  | 436.9  | 585.5  | 689.9  | 693.4  | 666.9  | 643.8  | 624.4  | 613.8  | 612.1  |
| 67.5°  | 334.3  | 233.5  | 295.4  | 488.2  | 606.7  | 603.2  | 569.6  | 559.0  | 534.2  | 528.9  | 518.3  |
| 70°    | 247.6  | 155.7  | 205.2  | 396.2  | 525.4  | 516.5  | 490.0  | 477.6  | 454.6  | 442.2  | 435.2  |
| 72.5°  | 205.2  | 125.6  | 150.3  | 307.8  | 442.2  | 431.6  | 408.6  | 394.4  | 375.0  | 364.4  | 357.3  |
| 75°    | 166.3  | 132.6  | 115.0  | 228.2  | 359.1  | 352.0  | 330.8  | 316.6  | 300.7  | 286.5  | 288.3  |
| 77.5°  | 122.0  | 123.8  | 91.9   | 168.1  | 284.7  | 274.2  | 261.8  | 244.1  | 237.0  | 222.9  | 222.9  |
| 80°    | 91.9   | 97.3   | 69.0   | 115.0  | 205.2  | 205.2  | 194.6  | 182.2  | 169.8  | 162.7  | 162.7  |
| 82.5°  | 61.9   | 61.9   | 51.3   | 72.5   | 139.8  | 134.4  | 127.4  | 123.8  | 116.8  | 113.2  | 113.2  |
| 85°    | 28.3   | 35.3   | 31.9   | 44.2   | 76.1   | 79.6   | 79.6   | 76.1   | 74.3   | 70.8   | 72.5   |
| 87.5°  | 8.8    | 15.9   | 19.5   | 24.7   | 38.9   | 40.7   | 42.5   | 42.5   | 42.5   | 44.2   | 44.2   |
| 90°    | 1.3    | 2.4    | 3.5    | 3.7    | 5.9    | 8.7    | 10.2   | 9.0    | 6.8    | 5.1    | 5.1    |
| 92.5°  | 5.4    | 14.5   | 23.6   | 25.9   | 36.4   | 50.4   | 57.4   | 50.3   | 36.1   | 25.4   | 24.5   |
| 95°    | 12.9   | 29.5   | 46.2   | 50.4   | 89.5   | 141.7  | 167.7  | 149.7  | 113.5  | 86.5   | 83.5   |
| 97.5°  | 22.2   | 37.0   | 51.7   | 55.3   | 120.6  | 207.5  | 251.0  | 239.6  | 216.8  | 199.7  | 193.9  |
| 100°   | 29.5   | 42.8   | 56.2   | 59.5   | 131.9  | 228.4  | 276.6  | 277.4  | 279.1  | 280.4  | 273.4  |
| 102.5° | 35.7   | 48.2   | 60.6   | 63.7   | 137.1  | 234.9  | 283.9  | 298.4  | 327.5  | 349.4  | 343.4  |
| 105°   | 46.1   | 56.7   | 67.2   | 69.9   | 140.9  | 235.7  | 283.0  | 315.6  | 380.9  | 429.8  | 426.6  |
| 107.5° | 56.9   | 66.7   | 76.5   | 79.0   | 141.7  | 225.2  | 267.0  | 312.5  | 403.5  | 471.7  | 472.5  |
| 110°   | 64.1   | 73.0   | 81.9   | 84.1   | 140.6  | 215.9  | 253.6  | 304.5  | 406.1  | 482.4  | 485.7  |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 10°   | 20°   | 22.5° | 30°   | 40°   | 45°   | 50°   | 60°   | 67.5° | 70°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 71.2  | 79.7  | 88.1  | 90.2  | 140.6 | 207.8 | 241.4 | 293.4 | 397.5 | 475.5 | 480.6 |
| 115°   | 81.9  | 89.8  | 97.6  | 99.5  | 141.9 | 198.4 | 226.7 | 276.9 | 377.1 | 452.3 | 459.4 |
| 117.5° | 92.6  | 99.6  | 106.7 | 108.5 | 144.5 | 192.6 | 216.7 | 262.0 | 352.4 | 420.2 | 428.1 |
| 120°   | 98.7  | 105.4 | 112.0 | 113.7 | 146.7 | 190.8 | 212.7 | 254.0 | 336.7 | 398.7 | 406.4 |
| 122.5° | 104.7 | 111.5 | 118.2 | 119.9 | 149.8 | 189.7 | 209.6 | 246.8 | 321.3 | 377.1 | 384.7 |
| 125°   | 114.0 | 120.1 | 126.3 | 127.8 | 154.0 | 188.9 | 206.3 | 237.9 | 301.2 | 348.6 | 355.5 |
| 127.5° | 121.5 | 127.6 | 133.9 | 135.4 | 158.1 | 188.3 | 203.4 | 230.6 | 284.9 | 325.6 | 331.5 |
| 130°   | 125.5 | 132.2 | 138.8 | 140.5 | 161.1 | 188.6 | 202.4 | 226.5 | 274.8 | 311.1 | 316.5 |
| 132.5° | 129.7 | 136.4 | 143.0 | 144.7 | 163.6 | 188.9 | 201.5 | 223.1 | 266.4 | 298.8 | 303.6 |
| 135°   | 135.9 | 141.9 | 148.0 | 149.5 | 166.3 | 188.7 | 199.9 | 218.0 | 254.2 | 281.4 | 285.5 |
| 137.5° | 142.2 | 148.2 | 154.2 | 155.7 | 170.3 | 189.9 | 199.6 | 214.9 | 245.6 | 268.5 | 271.9 |
| 140°   | 147.4 | 152.9 | 158.4 | 159.9 | 172.8 | 190.0 | 198.6 | 211.8 | 238.3 | 258.1 | 261.4 |
| 142.5° | 151.4 | 156.5 | 161.7 | 162.9 | 174.8 | 190.7 | 198.6 | 210.2 | 233.5 | 250.9 | 253.7 |
| 145°   | 157.5 | 162.0 | 166.5 | 167.6 | 177.5 | 190.7 | 197.3 | 206.7 | 225.7 | 240.0 | 242.1 |
| 147.5° | 163.7 | 168.1 | 172.5 | 173.5 | 181.5 | 192.0 | 197.3 | 204.8 | 219.7 | 230.9 | 232.6 |
| 150°   | 167.7 | 171.7 | 175.7 | 176.6 | 183.5 | 192.7 | 197.3 | 203.6 | 216.2 | 225.7 | 227.1 |
| 152.5° | 171.9 | 174.9 | 177.9 | 178.6 | 184.9 | 193.2 | 197.3 | 202.6 | 213.4 | 221.5 | 222.6 |
| 155°   | 178.1 | 180.3 | 182.5 | 183.1 | 187.8 | 194.1 | 197.3 | 201.6 | 210.1 | 216.5 | 217.3 |
| 157.5° | 182.6 | 184.8 | 186.9 | 187.5 | 190.8 | 195.1 | 197.3 | 200.6 | 207.3 | 212.3 | 212.8 |
| 160°   | 185.8 | 187.5 | 189.1 | 189.5 | 192.1 | 195.6 | 197.3 | 200.1 | 205.8 | 210.1 | 210.4 |
| 162.5° | 188.8 | 190.0 | 191.3 | 191.6 | 193.5 | 196.0 | 197.3 | 199.7 | 204.5 | 208.2 | 208.4 |
| 165°   | 192.2 | 193.3 | 194.4 | 194.7 | 195.6 | 196.7 | 197.3 | 199.0 | 202.4 | 205.0 | 205.3 |
| 167.5° | 195.2 | 195.8 | 196.3 | 196.5 | 197.2 | 198.2 | 198.6 | 199.8 | 202.0 | 203.7 | 203.8 |
| 170°   | 197.3 | 197.8 | 198.3 | 198.4 | 198.5 | 198.6 | 198.6 | 199.8 | 202.0 | 203.7 | 203.7 |
| 172.5° | 198.3 | 198.4 | 198.6 | 198.6 | 198.6 | 198.6 | 198.6 | 199.5 | 201.3 | 202.6 | 202.5 |
| 175°   | 199.9 | 199.9 | 199.9 | 199.9 | 199.4 | 198.9 | 198.6 | 199.1 | 200.3 | 201.2 | 201.2 |
| 177.5° | 199.9 | 199.9 | 199.9 | 199.9 | 199.5 | 199.1 | 198.9 | 199.3 | 200.2 | 200.9 | 200.8 |
| 180°   | 199.9 | 199.9 | 199.9 | 199.9 | 199.9 | 199.9 | 199.9 | 199.9 | 199.9 | 199.9 | 199.9 |



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**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    | 100°   | 110°   | 112.5° | 120°   | 130°   | 135°   | 140°   | 150°   | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1869.7 | 1869.7 | 1869.7 | 1869.7 | 1869.7 | 1869.7 | 1869.7 | 1869.7 | 1869.7 | 1869.7 | 1869.7 |
| 2.5°   | 1917.4 | 1912.2 | 1917.4 | 1914.0 | 1915.7 | 1910.4 | 1894.5 | 1889.1 | 1894.5 | 1899.8 | 1899.8 |
| 5°     | 1940.5 | 1936.9 | 1940.5 | 1940.5 | 1938.7 | 1935.1 | 1917.4 | 1914.0 | 1917.4 | 1919.2 | 1915.7 |
| 7.5°   | 1947.5 | 1942.3 | 1947.5 | 1944.0 | 1944.0 | 1940.5 | 1922.8 | 1919.2 | 1921.0 | 1926.3 | 1921.0 |
| 10°    | 1947.5 | 1942.3 | 1947.5 | 1945.7 | 1944.0 | 1940.5 | 1922.8 | 1915.7 | 1915.7 | 1921.0 | 1915.7 |
| 12.5°  | 1938.7 | 1935.1 | 1938.7 | 1935.1 | 1935.1 | 1931.6 | 1914.0 | 1906.8 | 1908.6 | 1910.4 | 1903.3 |
| 15°    | 1924.6 | 1919.2 | 1924.6 | 1921.0 | 1922.8 | 1917.4 | 1898.0 | 1890.9 | 1890.9 | 1894.5 | 1882.1 |
| 17.5°  | 1903.3 | 1896.3 | 1903.3 | 1901.5 | 1899.8 | 1896.3 | 1878.5 | 1871.5 | 1869.7 | 1871.5 | 1862.6 |
| 20°    | 1878.5 | 1873.3 | 1878.5 | 1876.8 | 1876.8 | 1869.7 | 1852.0 | 1843.2 | 1843.2 | 1843.2 | 1834.3 |
| 22.5°  | 1839.6 | 1834.3 | 1839.6 | 1843.2 | 1843.2 | 1841.4 | 1825.5 | 1813.1 | 1809.6 | 1809.6 | 1799.0 |
| 25°    | 1795.4 | 1790.1 | 1795.4 | 1795.4 | 1793.6 | 1795.4 | 1790.1 | 1783.0 | 1777.7 | 1772.4 | 1761.8 |
| 27.5°  | 1752.9 | 1749.4 | 1752.9 | 1749.4 | 1752.9 | 1747.7 | 1745.9 | 1744.1 | 1737.0 | 1731.8 | 1717.6 |
| 30°    | 1710.5 | 1707.0 | 1710.5 | 1707.0 | 1703.5 | 1699.9 | 1691.1 | 1687.5 | 1694.5 | 1691.1 | 1668.0 |
| 32.5°  | 1657.4 | 1653.9 | 1657.4 | 1657.4 | 1653.9 | 1653.9 | 1639.7 | 1634.5 | 1636.2 | 1646.8 | 1625.6 |
| 35°    | 1602.6 | 1597.3 | 1602.6 | 1600.8 | 1602.6 | 1597.3 | 1588.4 | 1586.7 | 1579.6 | 1592.0 | 1576.1 |
| 37.5°  | 1539.0 | 1533.6 | 1539.0 | 1539.0 | 1539.0 | 1542.4 | 1535.4 | 1530.0 | 1519.5 | 1535.4 | 1523.0 |
| 40°    | 1473.4 | 1466.4 | 1473.4 | 1471.8 | 1473.4 | 1477.0 | 1473.4 | 1470.0 | 1459.3 | 1471.8 | 1461.1 |
| 42.5°  | 1399.2 | 1397.4 | 1399.2 | 1401.0 | 1401.0 | 1408.0 | 1413.4 | 1406.2 | 1402.8 | 1393.9 | 1401.0 |
| 45°    | 1319.6 | 1316.1 | 1319.6 | 1323.1 | 1324.9 | 1328.4 | 1344.4 | 1344.4 | 1339.0 | 1324.9 | 1335.5 |
| 47.5°  | 1234.7 | 1225.8 | 1234.7 | 1245.3 | 1245.3 | 1250.6 | 1266.5 | 1278.9 | 1270.0 | 1252.3 | 1257.7 |
| 50°    | 1144.4 | 1146.2 | 1144.4 | 1151.6 | 1151.6 | 1171.0 | 1183.3 | 1195.8 | 1204.6 | 1183.3 | 1158.6 |
| 52.5°  | 1056.1 | 1054.3 | 1056.1 | 1061.3 | 1068.4 | 1077.2 | 1098.5 | 1110.9 | 1125.0 | 1112.7 | 1073.7 |
| 55°    | 967.6  | 971.1  | 967.6  | 969.4  | 972.9  | 978.2  | 1010.0 | 1022.4 | 1048.9 | 1033.0 | 992.3  |
| 57.5°  | 879.1  | 873.8  | 879.1  | 882.7  | 884.4  | 889.8  | 916.3  | 939.3  | 955.2  | 957.0  | 907.4  |
| 60°    | 776.6  | 769.4  | 776.6  | 792.5  | 796.0  | 799.5  | 824.3  | 845.5  | 859.7  | 864.9  | 813.7  |
| 62.5°  | 686.3  | 673.9  | 686.3  | 697.0  | 704.0  | 712.8  | 730.5  | 762.4  | 774.8  | 776.6  | 704.0  |
| 65°    | 590.8  | 585.5  | 590.8  | 612.1  | 613.8  | 624.4  | 643.8  | 666.9  | 693.4  | 689.9  | 585.5  |
| 67.5°  | 504.2  | 504.2  | 504.2  | 518.3  | 528.9  | 534.2  | 559.0  | 569.6  | 603.2  | 606.7  | 488.2  |
| 70°    | 424.5  | 422.7  | 424.5  | 435.2  | 442.2  | 454.6  | 477.6  | 490.0  | 516.5  | 525.4  | 396.2  |
| 72.5°  | 348.5  | 346.7  | 348.5  | 357.3  | 364.4  | 375.0  | 394.4  | 408.6  | 431.6  | 442.2  | 307.8  |
| 75°    | 281.3  | 277.7  | 281.3  | 288.3  | 286.5  | 300.7  | 316.6  | 330.8  | 352.0  | 359.1  | 228.2  |
| 77.5°  | 215.8  | 215.8  | 215.8  | 222.9  | 222.9  | 237.0  | 244.1  | 261.8  | 274.2  | 284.7  | 168.1  |
| 80°    | 160.9  | 159.2  | 160.9  | 162.7  | 162.7  | 169.8  | 182.2  | 194.6  | 205.2  | 205.2  | 115.0  |
| 82.5°  | 113.2  | 109.7  | 113.2  | 113.2  | 113.2  | 116.8  | 123.8  | 127.4  | 134.4  | 139.8  | 72.5   |
| 85°    | 70.8   | 70.8   | 70.8   | 72.5   | 70.8   | 74.3   | 76.1   | 79.6   | 79.6   | 76.1   | 44.2   |
| 87.5°  | 46.0   | 44.2   | 46.0   | 44.2   | 44.2   | 42.5   | 42.5   | 42.5   | 40.7   | 38.9   | 24.7   |
| 90°    | 5.1    | 5.1    | 5.1    | 5.1    | 5.1    | 6.8    | 9.0    | 10.2   | 8.7    | 5.9    | 3.7    |
| 92.5°  | 20.4   | 16.3   | 20.4   | 24.5   | 25.4   | 36.1   | 50.3   | 57.4   | 50.4   | 36.4   | 25.9   |
| 95°    | 71.1   | 58.9   | 71.1   | 83.5   | 86.5   | 113.5  | 149.7  | 167.7  | 141.7  | 89.5   | 50.4   |
| 97.5°  | 170.5  | 147.1  | 170.5  | 193.9  | 199.7  | 216.8  | 239.6  | 251.0  | 207.5  | 120.6  | 55.3   |
| 100°   | 245.6  | 217.8  | 245.6  | 273.4  | 280.4  | 279.1  | 277.4  | 276.6  | 228.4  | 131.9  | 59.5   |
| 102.5° | 319.6  | 295.7  | 319.6  | 343.4  | 349.4  | 327.5  | 298.4  | 283.9  | 234.9  | 137.1  | 63.7   |
| 105°   | 413.8  | 401.0  | 413.8  | 426.6  | 429.8  | 380.9  | 315.6  | 283.0  | 235.7  | 140.9  | 69.9   |
| 107.5° | 475.5  | 478.6  | 475.5  | 472.5  | 471.7  | 403.5  | 312.5  | 267.0  | 225.2  | 141.7  | 79.0   |
| 110°   | 499.1  | 512.5  | 499.1  | 485.7  | 482.4  | 406.1  | 304.5  | 253.6  | 215.9  | 140.6  | 84.1   |





TEST NUMBER: P934039

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**CANDELA DISTRIBUTION (continued):**

|        | 80°   | 90°   | 100°  | 110°  | 112.5° | 120°  | 130°  | 135°  | 140°  | 150°  | 157.5° |
|--------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|--------|
| 112.5° | 501.1 | 521.6 | 501.1 | 480.6 | 475.5  | 397.5 | 293.4 | 241.4 | 207.8 | 140.6 | 90.2   |
| 115°   | 487.8 | 516.3 | 487.8 | 459.4 | 452.3  | 377.1 | 276.9 | 226.7 | 198.4 | 141.9 | 99.5   |
| 117.5° | 459.7 | 491.2 | 459.7 | 428.1 | 420.2  | 352.4 | 262.0 | 216.7 | 192.6 | 144.5 | 108.5  |
| 120°   | 437.0 | 467.6 | 437.0 | 406.4 | 398.7  | 336.7 | 254.0 | 212.7 | 190.8 | 146.7 | 113.7  |
| 122.5° | 414.9 | 445.1 | 414.9 | 384.7 | 377.1  | 321.3 | 246.8 | 209.6 | 189.7 | 149.8 | 119.9  |
| 125°   | 383.3 | 411.1 | 383.3 | 355.5 | 348.6  | 301.2 | 237.9 | 206.3 | 188.9 | 154.0 | 127.8  |
| 127.5° | 355.0 | 378.5 | 355.0 | 331.5 | 325.6  | 284.9 | 230.6 | 203.4 | 188.3 | 158.1 | 135.4  |
| 130°   | 338.2 | 359.9 | 338.2 | 316.5 | 311.1  | 274.8 | 226.5 | 202.4 | 188.6 | 161.1 | 140.5  |
| 132.5° | 323.0 | 342.5 | 323.0 | 303.6 | 298.8  | 266.4 | 223.1 | 201.5 | 188.9 | 163.6 | 144.7  |
| 135°   | 302.2 | 319.0 | 302.2 | 285.5 | 281.4  | 254.2 | 218.0 | 199.9 | 188.7 | 166.3 | 149.5  |
| 137.5° | 285.6 | 299.3 | 285.6 | 271.9 | 268.5  | 245.6 | 214.9 | 199.6 | 189.9 | 170.3 | 155.7  |
| 140°   | 274.1 | 287.0 | 274.1 | 261.4 | 258.1  | 238.3 | 211.8 | 198.6 | 190.0 | 172.8 | 159.9  |
| 142.5° | 264.7 | 275.7 | 264.7 | 253.7 | 250.9  | 233.5 | 210.2 | 198.6 | 190.7 | 174.8 | 162.9  |
| 145°   | 250.5 | 258.9 | 250.5 | 242.1 | 240.0  | 225.7 | 206.7 | 197.3 | 190.7 | 177.5 | 167.6  |
| 147.5° | 239.6 | 246.5 | 239.6 | 232.6 | 230.9  | 219.7 | 204.8 | 197.3 | 192.0 | 181.5 | 173.5  |
| 150°   | 232.7 | 238.3 | 232.7 | 227.1 | 225.7  | 216.2 | 203.6 | 197.3 | 192.7 | 183.5 | 176.6  |
| 152.5° | 226.8 | 231.1 | 226.8 | 222.6 | 221.5  | 213.4 | 202.6 | 197.3 | 193.2 | 184.9 | 178.6  |
| 155°   | 220.0 | 222.9 | 220.0 | 217.3 | 216.5  | 210.1 | 201.6 | 197.3 | 194.1 | 187.8 | 183.1  |
| 157.5° | 214.8 | 216.7 | 214.8 | 212.8 | 212.3  | 207.3 | 200.6 | 197.3 | 195.1 | 190.8 | 187.5  |
| 160°   | 211.6 | 212.7 | 211.6 | 210.4 | 210.1  | 205.8 | 200.1 | 197.3 | 195.6 | 192.1 | 189.5  |
| 162.5° | 209.5 | 210.6 | 209.5 | 208.4 | 208.2  | 204.5 | 199.7 | 197.3 | 196.0 | 193.5 | 191.6  |
| 165°   | 206.5 | 207.6 | 206.5 | 205.3 | 205.0  | 202.4 | 199.0 | 197.3 | 196.7 | 195.6 | 194.7  |
| 167.5° | 204.3 | 204.8 | 204.3 | 203.8 | 203.7  | 202.0 | 199.8 | 198.6 | 198.2 | 197.2 | 196.5  |
| 170°   | 203.7 | 203.7 | 203.7 | 203.7 | 203.7  | 202.0 | 199.8 | 198.6 | 198.6 | 198.5 | 198.4  |
| 172.5° | 202.1 | 201.7 | 202.1 | 202.5 | 202.6  | 201.3 | 199.5 | 198.6 | 198.6 | 198.6 | 198.6  |
| 175°   | 201.2 | 201.2 | 201.2 | 201.2 | 201.2  | 200.3 | 199.1 | 198.6 | 198.9 | 199.4 | 199.9  |
| 177.5° | 200.3 | 199.9 | 200.3 | 200.8 | 200.9  | 200.2 | 199.3 | 198.9 | 199.1 | 199.5 | 199.9  |
| 180°   | 199.9 | 199.9 | 199.9 | 199.9 | 199.9  | 199.9 | 199.9 | 199.9 | 199.9 | 199.9 | 199.9  |



TEST NUMBER: P934039

CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-6-3500K

**CANDELA DISTRIBUTION (continued):**

|        | 160°   | 170°   | 180°   | 190°   | 200°   | 202.5° | 210°   | 220°   | 225°   | 230°   | 240°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1869.7 | 1869.7 | 1869.7 | 1869.7 | 1869.7 | 1869.7 | 1869.7 | 1869.7 | 1869.7 | 1869.7 | 1869.7 |
| 2.5°   | 1896.3 | 1885.7 | 1885.7 | 1867.9 | 1860.8 | 1855.6 | 1846.7 | 1820.1 | 1813.1 | 1806.0 | 1816.7 |
| 5°     | 1912.2 | 1892.7 | 1878.5 | 1846.7 | 1820.1 | 1809.6 | 1776.0 | 1712.3 | 1669.8 | 1638.0 | 1620.3 |
| 7.5°   | 1915.7 | 1890.9 | 1864.4 | 1814.9 | 1751.2 | 1722.8 | 1620.3 | 1503.5 | 1471.8 | 1443.4 | 1425.7 |
| 10°    | 1912.2 | 1883.9 | 1846.7 | 1772.4 | 1622.1 | 1572.5 | 1470.0 | 1393.9 | 1374.5 | 1369.1 | 1374.5 |
| 12.5°  | 1899.8 | 1873.3 | 1821.9 | 1698.1 | 1487.6 | 1454.0 | 1393.9 | 1349.6 | 1346.2 | 1355.0 | 1402.8 |
| 15°    | 1878.5 | 1853.8 | 1793.6 | 1599.0 | 1413.4 | 1388.6 | 1346.2 | 1330.2 | 1349.6 | 1411.6 | 1554.9 |
| 17.5°  | 1857.4 | 1829.0 | 1754.7 | 1501.7 | 1356.7 | 1339.0 | 1308.9 | 1340.8 | 1450.5 | 1533.6 | 1581.4 |
| 20°    | 1829.0 | 1795.4 | 1710.5 | 1431.0 | 1316.1 | 1300.1 | 1286.0 | 1429.3 | 1512.4 | 1542.4 | 1569.0 |
| 22.5°  | 1795.4 | 1760.1 | 1650.4 | 1381.5 | 1273.6 | 1261.2 | 1270.0 | 1478.8 | 1512.4 | 1533.6 | 1556.6 |
| 25°    | 1751.2 | 1721.1 | 1579.6 | 1342.6 | 1240.0 | 1225.8 | 1259.5 | 1473.4 | 1492.9 | 1498.3 | 1544.2 |
| 27.5°  | 1710.5 | 1671.6 | 1505.3 | 1307.2 | 1199.3 | 1194.0 | 1268.3 | 1450.5 | 1464.6 | 1470.0 | 1519.5 |
| 30°    | 1661.0 | 1602.6 | 1422.2 | 1270.0 | 1156.8 | 1155.1 | 1270.0 | 1422.2 | 1418.6 | 1432.8 | 1482.3 |
| 32.5°  | 1609.7 | 1500.0 | 1328.4 | 1224.0 | 1116.1 | 1114.4 | 1257.7 | 1379.7 | 1376.2 | 1395.6 | 1432.8 |
| 35°    | 1561.9 | 1420.4 | 1201.1 | 1171.0 | 1064.9 | 1066.6 | 1227.6 | 1330.2 | 1332.0 | 1349.6 | 1372.7 |
| 37.5°  | 1512.4 | 1351.4 | 1061.3 | 1112.7 | 1015.4 | 1015.4 | 1186.9 | 1284.2 | 1280.6 | 1286.0 | 1317.8 |
| 40°    | 1454.0 | 1243.5 | 937.5  | 1036.6 | 969.4  | 964.0  | 1137.4 | 1234.7 | 1222.3 | 1220.6 | 1264.8 |
| 42.5°  | 1392.1 | 1125.0 | 845.5  | 935.7  | 916.3  | 909.2  | 1077.2 | 1174.5 | 1151.6 | 1156.8 | 1213.4 |
| 45°    | 1324.9 | 1093.2 | 774.8  | 790.7  | 861.5  | 856.1  | 1011.8 | 1105.5 | 1089.6 | 1103.8 | 1162.2 |
| 47.5°  | 1257.7 | 1029.5 | 751.8  | 656.3  | 803.1  | 801.3  | 939.3  | 1038.3 | 1029.5 | 1043.7 | 1105.5 |
| 50°    | 1165.7 | 958.8  | 750.0  | 562.5  | 737.7  | 744.7  | 852.6  | 972.9  | 972.9  | 985.3  | 1050.7 |
| 52.5°  | 1047.1 | 872.1  | 681.0  | 509.4  | 661.5  | 682.8  | 776.6  | 916.3  | 919.8  | 932.2  | 990.5  |
| 55°    | 939.3  | 781.8  | 631.5  | 468.7  | 571.4  | 617.3  | 702.2  | 857.9  | 864.9  | 877.4  | 930.5  |
| 57.5°  | 840.2  | 651.0  | 620.9  | 421.0  | 488.2  | 532.4  | 636.8  | 801.3  | 804.9  | 815.5  | 866.7  |
| 60°    | 734.1  | 470.5  | 569.6  | 369.7  | 415.7  | 449.3  | 576.6  | 734.1  | 746.5  | 753.5  | 797.7  |
| 62.5°  | 613.8  | 341.4  | 516.5  | 334.3  | 380.3  | 387.4  | 527.1  | 670.4  | 686.3  | 691.6  | 718.2  |
| 65°    | 436.9  | 286.5  | 438.7  | 304.2  | 343.1  | 344.9  | 474.1  | 604.9  | 619.1  | 628.0  | 647.4  |
| 67.5°  | 295.4  | 233.5  | 334.3  | 275.9  | 314.8  | 316.6  | 422.7  | 528.9  | 548.3  | 555.4  | 567.8  |
| 70°    | 205.2  | 155.7  | 247.6  | 245.9  | 283.0  | 286.5  | 367.9  | 459.9  | 477.6  | 482.9  | 490.0  |
| 72.5°  | 150.3  | 125.6  | 205.2  | 221.1  | 249.4  | 253.0  | 311.3  | 382.0  | 399.8  | 405.1  | 408.6  |
| 75°    | 115.0  | 132.6  | 166.3  | 192.8  | 212.3  | 214.1  | 254.8  | 311.3  | 323.7  | 327.2  | 329.0  |
| 77.5°  | 91.9   | 123.8  | 122.0  | 155.7  | 173.3  | 169.8  | 199.9  | 240.6  | 251.2  | 251.2  | 251.2  |
| 80°    | 69.0   | 97.3   | 91.9   | 111.4  | 127.4  | 123.8  | 143.3  | 171.6  | 175.1  | 178.6  | 176.9  |
| 82.5°  | 51.3   | 61.9   | 61.9   | 70.8   | 84.9   | 81.4   | 95.5   | 111.4  | 111.4  | 111.4  | 115.0  |
| 85°    | 31.9   | 35.3   | 28.3   | 37.1   | 47.8   | 46.0   | 53.1   | 60.2   | 61.9   | 61.9   | 58.4   |
| 87.5°  | 19.5   | 15.9   | 8.8    | 14.2   | 21.2   | 21.2   | 24.7   | 26.5   | 24.7   | 24.7   | 24.7   |
| 90°    | 3.5    | 2.4    | 1.3    | 2.4    | 3.5    | 3.7    | 5.9    | 8.7    | 10.2   | 9.0    | 6.8    |
| 92.5°  | 23.6   | 14.5   | 5.4    | 14.5   | 23.6   | 25.9   | 36.4   | 50.4   | 57.4   | 50.3   | 36.1   |
| 95°    | 46.2   | 29.5   | 12.9   | 29.5   | 46.2   | 50.4   | 89.5   | 141.7  | 167.7  | 149.7  | 113.5  |
| 97.5°  | 51.7   | 37.0   | 22.2   | 37.0   | 51.7   | 55.3   | 120.6  | 207.5  | 251.0  | 239.6  | 216.8  |
| 100°   | 56.2   | 42.8   | 29.5   | 42.8   | 56.2   | 59.5   | 131.9  | 228.4  | 276.6  | 277.4  | 279.1  |
| 102.5° | 60.6   | 48.2   | 35.7   | 48.2   | 60.6   | 63.7   | 137.1  | 234.9  | 283.9  | 298.4  | 327.5  |
| 105°   | 67.2   | 56.7   | 46.1   | 56.7   | 67.2   | 69.9   | 140.9  | 235.7  | 283.0  | 315.6  | 380.9  |
| 107.5° | 76.5   | 66.7   | 56.9   | 66.7   | 76.5   | 79.0   | 141.7  | 225.2  | 267.0  | 312.5  | 403.5  |
| 110°   | 81.9   | 73.0   | 64.1   | 73.0   | 81.9   | 84.1   | 140.6  | 215.9  | 253.6  | 304.5  | 406.1  |



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**CANDELA DISTRIBUTION (continued):**

|        | 160°  | 170°  | 180°  | 190°  | 200°  | 202.5° | 210°  | 220°  | 225°  | 230°  | 240°  |
|--------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|
| 112.5° | 88.1  | 79.7  | 71.2  | 79.7  | 88.1  | 90.2   | 140.6 | 207.8 | 241.4 | 293.4 | 397.5 |
| 115°   | 97.6  | 89.8  | 81.9  | 89.8  | 97.6  | 99.5   | 141.9 | 198.4 | 226.7 | 276.9 | 377.1 |
| 117.5° | 106.7 | 99.6  | 92.6  | 99.6  | 106.7 | 108.5  | 144.5 | 192.6 | 216.7 | 262.0 | 352.4 |
| 120°   | 112.0 | 105.4 | 98.7  | 105.4 | 112.0 | 113.7  | 146.7 | 190.8 | 212.7 | 254.0 | 336.7 |
| 122.5° | 118.2 | 111.5 | 104.7 | 111.5 | 118.2 | 119.9  | 149.8 | 189.7 | 209.6 | 246.8 | 321.3 |
| 125°   | 126.3 | 120.1 | 114.0 | 120.1 | 126.3 | 127.8  | 154.0 | 188.9 | 206.3 | 237.9 | 301.2 |
| 127.5° | 133.9 | 127.6 | 121.5 | 127.6 | 133.9 | 135.4  | 158.1 | 188.3 | 203.4 | 230.6 | 284.9 |
| 130°   | 138.8 | 132.2 | 125.5 | 132.2 | 138.8 | 140.5  | 161.1 | 188.6 | 202.4 | 226.5 | 274.8 |
| 132.5° | 143.0 | 136.4 | 129.7 | 136.4 | 143.0 | 144.7  | 163.6 | 188.9 | 201.5 | 223.1 | 266.4 |
| 135°   | 148.0 | 141.9 | 135.9 | 141.9 | 148.0 | 149.5  | 166.3 | 188.7 | 199.9 | 218.0 | 254.2 |
| 137.5° | 154.2 | 148.2 | 142.2 | 148.2 | 154.2 | 155.7  | 170.3 | 189.9 | 199.6 | 214.9 | 245.6 |
| 140°   | 158.4 | 152.9 | 147.4 | 152.9 | 158.4 | 159.9  | 172.8 | 190.0 | 198.6 | 211.8 | 238.3 |
| 142.5° | 161.7 | 156.5 | 151.4 | 156.5 | 161.7 | 162.9  | 174.8 | 190.7 | 198.6 | 210.2 | 233.5 |
| 145°   | 166.5 | 162.0 | 157.5 | 162.0 | 166.5 | 167.6  | 177.5 | 190.7 | 197.3 | 206.7 | 225.7 |
| 147.5° | 172.5 | 168.1 | 163.7 | 168.1 | 172.5 | 173.5  | 181.5 | 192.0 | 197.3 | 204.8 | 219.7 |
| 150°   | 175.7 | 171.7 | 167.7 | 171.7 | 175.7 | 176.6  | 183.5 | 192.7 | 197.3 | 203.6 | 216.2 |
| 152.5° | 177.9 | 174.9 | 171.9 | 174.9 | 177.9 | 178.6  | 184.9 | 193.2 | 197.3 | 202.6 | 213.4 |
| 155°   | 182.5 | 180.3 | 178.1 | 180.3 | 182.5 | 183.1  | 187.8 | 194.1 | 197.3 | 201.6 | 210.1 |
| 157.5° | 186.9 | 184.8 | 182.6 | 184.8 | 186.9 | 187.5  | 190.8 | 195.1 | 197.3 | 200.6 | 207.3 |
| 160°   | 189.1 | 187.5 | 185.8 | 187.5 | 189.1 | 189.5  | 192.1 | 195.6 | 197.3 | 200.1 | 205.8 |
| 162.5° | 191.3 | 190.0 | 188.8 | 190.0 | 191.3 | 191.6  | 193.5 | 196.0 | 197.3 | 199.7 | 204.5 |
| 165°   | 194.4 | 193.3 | 192.2 | 193.3 | 194.4 | 194.7  | 195.6 | 196.7 | 197.3 | 199.0 | 202.4 |
| 167.5° | 196.3 | 195.8 | 195.2 | 195.8 | 196.3 | 196.5  | 197.2 | 198.2 | 198.6 | 199.8 | 202.0 |
| 170°   | 198.3 | 197.8 | 197.3 | 197.8 | 198.3 | 198.4  | 198.5 | 198.6 | 198.6 | 199.8 | 202.0 |
| 172.5° | 198.6 | 198.4 | 198.3 | 198.4 | 198.6 | 198.6  | 198.6 | 198.6 | 198.6 | 199.5 | 201.3 |
| 175°   | 199.9 | 199.9 | 199.9 | 199.9 | 199.9 | 199.9  | 199.4 | 198.9 | 198.6 | 199.1 | 200.3 |
| 177.5° | 199.9 | 199.9 | 199.9 | 199.9 | 199.9 | 199.9  | 199.5 | 199.1 | 198.9 | 199.3 | 200.2 |
| 180°   | 199.9 | 199.9 | 199.9 | 199.9 | 199.9 | 199.9  | 199.9 | 199.9 | 199.9 | 199.9 | 199.9 |



TEST NUMBER: P934039

CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-6-3500K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 260°   | 270°   | 280°   | 290°   | 292.5° | 300°   | 310°   | 315°   | 320°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1869.7 | 1869.7 | 1869.7 | 1869.7 | 1869.7 | 1869.7 | 1869.7 | 1869.7 | 1869.7 | 1869.7 | 1869.7 |
| 2.5°   | 1804.3 | 1799.0 | 1806.0 | 1786.6 | 1806.0 | 1799.0 | 1804.3 | 1816.7 | 1806.0 | 1813.1 | 1820.1 |
| 5°     | 1583.2 | 1574.3 | 1546.0 | 1523.0 | 1546.0 | 1574.3 | 1583.2 | 1620.3 | 1638.0 | 1669.8 | 1712.3 |
| 7.5°   | 1415.1 | 1408.0 | 1401.0 | 1386.8 | 1401.0 | 1408.0 | 1415.1 | 1425.7 | 1443.4 | 1471.8 | 1503.5 |
| 10°    | 1377.9 | 1379.7 | 1390.3 | 1388.6 | 1390.3 | 1379.7 | 1377.9 | 1374.5 | 1369.1 | 1374.5 | 1393.9 |
| 12.5°  | 1473.4 | 1489.4 | 1547.8 | 1544.2 | 1547.8 | 1489.4 | 1473.4 | 1402.8 | 1355.0 | 1346.2 | 1349.6 |
| 15°    | 1583.2 | 1588.4 | 1600.8 | 1602.6 | 1600.8 | 1588.4 | 1583.2 | 1554.9 | 1411.6 | 1349.6 | 1330.2 |
| 17.5°  | 1593.8 | 1595.6 | 1604.4 | 1604.4 | 1604.4 | 1595.6 | 1593.8 | 1581.4 | 1533.6 | 1450.5 | 1340.8 |
| 20°    | 1584.9 | 1588.4 | 1606.2 | 1609.7 | 1606.2 | 1588.4 | 1584.9 | 1569.0 | 1542.4 | 1512.4 | 1429.3 |
| 22.5°  | 1581.4 | 1588.4 | 1602.6 | 1600.8 | 1602.6 | 1588.4 | 1581.4 | 1556.6 | 1533.6 | 1512.4 | 1478.8 |
| 25°    | 1563.7 | 1563.7 | 1565.5 | 1567.3 | 1565.5 | 1563.7 | 1563.7 | 1544.2 | 1498.3 | 1492.9 | 1473.4 |
| 27.5°  | 1526.6 | 1530.0 | 1540.7 | 1539.0 | 1540.7 | 1530.0 | 1526.6 | 1519.5 | 1470.0 | 1464.6 | 1450.5 |
| 30°    | 1492.9 | 1489.4 | 1480.6 | 1473.4 | 1480.6 | 1489.4 | 1492.9 | 1482.3 | 1432.8 | 1418.6 | 1422.2 |
| 32.5°  | 1436.3 | 1427.5 | 1418.6 | 1413.4 | 1418.6 | 1427.5 | 1436.3 | 1432.8 | 1395.6 | 1376.2 | 1379.7 |
| 35°    | 1369.1 | 1370.9 | 1369.1 | 1363.8 | 1369.1 | 1370.9 | 1369.1 | 1372.7 | 1349.6 | 1332.0 | 1330.2 |
| 37.5°  | 1321.3 | 1324.9 | 1323.1 | 1316.1 | 1323.1 | 1324.9 | 1321.3 | 1317.8 | 1286.0 | 1280.6 | 1284.2 |
| 40°    | 1271.8 | 1273.6 | 1271.8 | 1266.5 | 1271.8 | 1273.6 | 1271.8 | 1264.8 | 1220.6 | 1222.3 | 1234.7 |
| 42.5°  | 1224.0 | 1222.3 | 1217.0 | 1213.4 | 1217.0 | 1222.3 | 1224.0 | 1213.4 | 1156.8 | 1151.6 | 1174.5 |
| 45°    | 1169.2 | 1171.0 | 1160.4 | 1155.1 | 1160.4 | 1171.0 | 1169.2 | 1162.2 | 1103.8 | 1089.6 | 1105.5 |
| 47.5°  | 1114.4 | 1114.4 | 1105.5 | 1100.2 | 1105.5 | 1114.4 | 1114.4 | 1105.5 | 1043.7 | 1029.5 | 1038.3 |
| 50°    | 1056.1 | 1054.3 | 1041.9 | 1040.1 | 1041.9 | 1054.3 | 1056.1 | 1050.7 | 985.3  | 972.9  | 972.9  |
| 52.5°  | 988.8  | 988.8  | 990.5  | 994.1  | 990.5  | 988.8  | 988.8  | 990.5  | 932.2  | 919.8  | 916.3  |
| 55°    | 930.5  | 932.2  | 944.6  | 948.1  | 944.6  | 932.2  | 930.5  | 930.5  | 877.4  | 864.9  | 857.9  |
| 57.5°  | 870.3  | 870.3  | 879.1  | 879.1  | 879.1  | 870.3  | 870.3  | 866.7  | 815.5  | 804.9  | 801.3  |
| 60°    | 801.3  | 804.9  | 811.9  | 810.1  | 811.9  | 804.9  | 801.3  | 797.7  | 753.5  | 746.5  | 734.1  |
| 62.5°  | 728.7  | 732.3  | 734.1  | 730.5  | 734.1  | 732.3  | 728.7  | 718.2  | 691.6  | 686.3  | 670.4  |
| 65°    | 652.7  | 656.3  | 658.0  | 654.5  | 658.0  | 656.3  | 652.7  | 647.4  | 628.0  | 619.1  | 604.9  |
| 67.5°  | 574.8  | 573.2  | 571.4  | 578.4  | 571.4  | 573.2  | 574.8  | 567.8  | 555.4  | 548.3  | 528.9  |
| 70°    | 495.3  | 495.3  | 493.5  | 497.0  | 493.5  | 495.3  | 495.3  | 490.0  | 482.9  | 477.6  | 459.9  |
| 72.5°  | 410.3  | 408.6  | 415.7  | 410.3  | 415.7  | 408.6  | 410.3  | 408.6  | 405.1  | 399.8  | 382.0  |
| 75°    | 327.2  | 330.8  | 327.2  | 332.6  | 327.2  | 330.8  | 327.2  | 329.0  | 327.2  | 323.7  | 311.3  |
| 77.5°  | 249.4  | 253.0  | 249.4  | 249.4  | 249.4  | 253.0  | 249.4  | 251.2  | 251.2  | 251.2  | 240.6  |
| 80°    | 176.9  | 175.1  | 175.1  | 173.3  | 175.1  | 175.1  | 176.9  | 176.9  | 178.6  | 175.1  | 171.6  |
| 82.5°  | 113.2  | 111.4  | 111.4  | 115.0  | 111.4  | 111.4  | 113.2  | 115.0  | 111.4  | 111.4  | 111.4  |
| 85°    | 61.9   | 63.6   | 60.2   | 60.2   | 60.2   | 63.6   | 61.9   | 58.4   | 61.9   | 61.9   | 60.2   |
| 87.5°  | 23.0   | 21.2   | 21.2   | 21.2   | 21.2   | 21.2   | 23.0   | 24.7   | 24.7   | 24.7   | 26.5   |
| 90°    | 5.1    | 5.1    | 5.1    | 5.1    | 5.1    | 5.1    | 5.1    | 6.8    | 9.0    | 10.2   | 8.7    |
| 92.5°  | 25.4   | 24.5   | 20.4   | 16.3   | 20.4   | 24.5   | 25.4   | 36.1   | 50.3   | 57.4   | 50.4   |
| 95°    | 86.5   | 83.5   | 71.1   | 58.9   | 71.1   | 83.5   | 86.5   | 113.5  | 149.7  | 167.7  | 141.7  |
| 97.5°  | 199.7  | 193.9  | 170.5  | 147.1  | 170.5  | 193.9  | 199.7  | 216.8  | 239.6  | 251.0  | 207.5  |
| 100°   | 280.4  | 273.4  | 245.6  | 217.8  | 245.6  | 273.4  | 280.4  | 279.1  | 277.4  | 276.6  | 228.4  |
| 102.5° | 349.4  | 343.4  | 319.6  | 295.7  | 319.6  | 343.4  | 349.4  | 327.5  | 298.4  | 283.9  | 234.9  |
| 105°   | 429.8  | 426.6  | 413.8  | 401.0  | 413.8  | 426.6  | 429.8  | 380.9  | 315.6  | 283.0  | 235.7  |
| 107.5° | 471.7  | 472.5  | 475.5  | 478.6  | 475.5  | 472.5  | 471.7  | 403.5  | 312.5  | 267.0  | 225.2  |
| 110°   | 482.4  | 485.7  | 499.1  | 512.5  | 499.1  | 485.7  | 482.4  | 406.1  | 304.5  | 253.6  | 215.9  |



TEST NUMBER: P934039

CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-6-3500K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°  | 260°  | 270°  | 280°  | 290°  | 292.5° | 300°  | 310°  | 315°  | 320°  |
|--------|--------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|
| 112.5° | 475.5  | 480.6 | 501.1 | 521.6 | 501.1 | 480.6 | 475.5  | 397.5 | 293.4 | 241.4 | 207.8 |
| 115°   | 452.3  | 459.4 | 487.8 | 516.3 | 487.8 | 459.4 | 452.3  | 377.1 | 276.9 | 226.7 | 198.4 |
| 117.5° | 420.2  | 428.1 | 459.7 | 491.2 | 459.7 | 428.1 | 420.2  | 352.4 | 262.0 | 216.7 | 192.6 |
| 120°   | 398.7  | 406.4 | 437.0 | 467.6 | 437.0 | 406.4 | 398.7  | 336.7 | 254.0 | 212.7 | 190.8 |
| 122.5° | 377.1  | 384.7 | 414.9 | 445.1 | 414.9 | 384.7 | 377.1  | 321.3 | 246.8 | 209.6 | 189.7 |
| 125°   | 348.6  | 355.5 | 383.3 | 411.1 | 383.3 | 355.5 | 348.6  | 301.2 | 237.9 | 206.3 | 188.9 |
| 127.5° | 325.6  | 331.5 | 355.0 | 378.5 | 355.0 | 331.5 | 325.6  | 284.9 | 230.6 | 203.4 | 188.3 |
| 130°   | 311.1  | 316.5 | 338.2 | 359.9 | 338.2 | 316.5 | 311.1  | 274.8 | 226.5 | 202.4 | 188.6 |
| 132.5° | 298.8  | 303.6 | 323.0 | 342.5 | 323.0 | 303.6 | 298.8  | 266.4 | 223.1 | 201.5 | 188.9 |
| 135°   | 281.4  | 285.5 | 302.2 | 319.0 | 302.2 | 285.5 | 281.4  | 254.2 | 218.0 | 199.9 | 188.7 |
| 137.5° | 268.5  | 271.9 | 285.6 | 299.3 | 285.6 | 271.9 | 268.5  | 245.6 | 214.9 | 199.6 | 189.9 |
| 140°   | 258.1  | 261.4 | 274.1 | 287.0 | 274.1 | 261.4 | 258.1  | 238.3 | 211.8 | 198.6 | 190.0 |
| 142.5° | 250.9  | 253.7 | 264.7 | 275.7 | 264.7 | 253.7 | 250.9  | 233.5 | 210.2 | 198.6 | 190.7 |
| 145°   | 240.0  | 242.1 | 250.5 | 258.9 | 250.5 | 242.1 | 240.0  | 225.7 | 206.7 | 197.3 | 190.7 |
| 147.5° | 230.9  | 232.6 | 239.6 | 246.5 | 239.6 | 232.6 | 230.9  | 219.7 | 204.8 | 197.3 | 192.0 |
| 150°   | 225.7  | 227.1 | 232.7 | 238.3 | 232.7 | 227.1 | 225.7  | 216.2 | 203.6 | 197.3 | 192.7 |
| 152.5° | 221.5  | 222.6 | 226.8 | 231.1 | 226.8 | 222.6 | 221.5  | 213.4 | 202.6 | 197.3 | 193.2 |
| 155°   | 216.5  | 217.3 | 220.0 | 222.9 | 220.0 | 217.3 | 216.5  | 210.1 | 201.6 | 197.3 | 194.1 |
| 157.5° | 212.3  | 212.8 | 214.8 | 216.7 | 214.8 | 212.8 | 212.3  | 207.3 | 200.6 | 197.3 | 195.1 |
| 160°   | 210.1  | 210.4 | 211.6 | 212.7 | 211.6 | 210.4 | 210.1  | 205.8 | 200.1 | 197.3 | 195.6 |
| 162.5° | 208.2  | 208.4 | 209.5 | 210.6 | 209.5 | 208.4 | 208.2  | 204.5 | 199.7 | 197.3 | 196.0 |
| 165°   | 205.0  | 205.3 | 206.5 | 207.6 | 206.5 | 205.3 | 205.0  | 202.4 | 199.0 | 197.3 | 196.7 |
| 167.5° | 203.7  | 203.8 | 204.3 | 204.8 | 204.3 | 203.8 | 203.7  | 202.0 | 199.8 | 198.6 | 198.2 |
| 170°   | 203.7  | 203.7 | 203.7 | 203.7 | 203.7 | 203.7 | 203.7  | 202.0 | 199.8 | 198.6 | 198.6 |
| 172.5° | 202.6  | 202.5 | 202.1 | 201.7 | 202.1 | 202.5 | 202.6  | 201.3 | 199.5 | 198.6 | 198.6 |
| 175°   | 201.2  | 201.2 | 201.2 | 201.2 | 201.2 | 201.2 | 201.2  | 200.3 | 199.1 | 198.6 | 198.9 |
| 177.5° | 200.9  | 200.8 | 200.3 | 199.9 | 200.3 | 200.8 | 200.9  | 200.2 | 199.3 | 198.9 | 199.1 |
| 180°   | 199.9  | 199.9 | 199.9 | 199.9 | 199.9 | 199.9 | 199.9  | 199.9 | 199.9 | 199.9 | 199.9 |



TEST NUMBER: P934039

CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-6-3500K

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 337.5° | 340°   | 350°   | 360°   |
|--------|--------|--------|--------|--------|--------|
| 0°     | 1869.7 | 1869.7 | 1869.7 | 1869.7 | 1869.7 |
| 2.5°   | 1846.7 | 1855.6 | 1860.8 | 1867.9 | 1885.7 |
| 5°     | 1776.0 | 1809.6 | 1820.1 | 1846.7 | 1878.5 |
| 7.5°   | 1620.3 | 1722.8 | 1751.2 | 1814.9 | 1864.4 |
| 10°    | 1470.0 | 1572.5 | 1622.1 | 1772.4 | 1846.7 |
| 12.5°  | 1393.9 | 1454.0 | 1487.6 | 1698.1 | 1821.9 |
| 15°    | 1346.2 | 1388.6 | 1413.4 | 1599.0 | 1793.6 |
| 17.5°  | 1308.9 | 1339.0 | 1356.7 | 1501.7 | 1754.7 |
| 20°    | 1286.0 | 1300.1 | 1316.1 | 1431.0 | 1710.5 |
| 22.5°  | 1270.0 | 1261.2 | 1273.6 | 1381.5 | 1650.4 |
| 25°    | 1259.5 | 1225.8 | 1240.0 | 1342.6 | 1579.6 |
| 27.5°  | 1268.3 | 1194.0 | 1199.3 | 1307.2 | 1505.3 |
| 30°    | 1270.0 | 1155.1 | 1156.8 | 1270.0 | 1422.2 |
| 32.5°  | 1257.7 | 1114.4 | 1116.1 | 1224.0 | 1328.4 |
| 35°    | 1227.6 | 1066.6 | 1064.9 | 1171.0 | 1201.1 |
| 37.5°  | 1186.9 | 1015.4 | 1015.4 | 1112.7 | 1061.3 |
| 40°    | 1137.4 | 964.0  | 969.4  | 1036.6 | 937.5  |
| 42.5°  | 1077.2 | 909.2  | 916.3  | 935.7  | 845.5  |
| 45°    | 1011.8 | 856.1  | 861.5  | 790.7  | 774.8  |
| 47.5°  | 939.3  | 801.3  | 803.1  | 656.3  | 751.8  |
| 50°    | 852.6  | 744.7  | 737.7  | 562.5  | 750.0  |
| 52.5°  | 776.6  | 682.8  | 661.5  | 509.4  | 681.0  |
| 55°    | 702.2  | 617.3  | 571.4  | 468.7  | 631.5  |
| 57.5°  | 636.8  | 532.4  | 488.2  | 421.0  | 620.9  |
| 60°    | 576.6  | 449.3  | 415.7  | 369.7  | 569.6  |
| 62.5°  | 527.1  | 387.4  | 380.3  | 334.3  | 516.5  |
| 65°    | 474.1  | 344.9  | 343.1  | 304.2  | 438.7  |
| 67.5°  | 422.7  | 316.6  | 314.8  | 275.9  | 334.3  |
| 70°    | 367.9  | 286.5  | 283.0  | 245.9  | 247.6  |
| 72.5°  | 311.3  | 253.0  | 249.4  | 221.1  | 205.2  |
| 75°    | 254.8  | 214.1  | 212.3  | 192.8  | 166.3  |
| 77.5°  | 199.9  | 169.8  | 173.3  | 155.7  | 122.0  |
| 80°    | 143.3  | 123.8  | 127.4  | 111.4  | 91.9   |
| 82.5°  | 95.5   | 81.4   | 84.9   | 70.8   | 61.9   |
| 85°    | 53.1   | 46.0   | 47.8   | 37.1   | 28.3   |
| 87.5°  | 24.7   | 21.2   | 21.2   | 14.2   | 8.8    |
| 90°    | 5.9    | 3.7    | 3.5    | 2.4    | 1.3    |
| 92.5°  | 36.4   | 25.9   | 23.6   | 14.5   | 5.4    |
| 95°    | 89.5   | 50.4   | 46.2   | 29.5   | 12.9   |
| 97.5°  | 120.6  | 55.3   | 51.7   | 37.0   | 22.2   |
| 100°   | 131.9  | 59.5   | 56.2   | 42.8   | 29.5   |
| 102.5° | 137.1  | 63.7   | 60.6   | 48.2   | 35.7   |
| 105°   | 140.9  | 69.9   | 67.2   | 56.7   | 46.1   |
| 107.5° | 141.7  | 79.0   | 76.5   | 66.7   | 56.9   |
| 110°   | 140.6  | 84.1   | 81.9   | 73.0   | 64.1   |



TEST NUMBER: P934039

CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-6-3500K

**CANDELA DISTRIBUTION (continued):**

|        | 330°  | 337.5° | 340°  | 350°  | 360°  |
|--------|-------|--------|-------|-------|-------|
| 112.5° | 140.6 | 90.2   | 88.1  | 79.7  | 71.2  |
| 115°   | 141.9 | 99.5   | 97.6  | 89.8  | 81.9  |
| 117.5° | 144.5 | 108.5  | 106.7 | 99.6  | 92.6  |
| 120°   | 146.7 | 113.7  | 112.0 | 105.4 | 98.7  |
| 122.5° | 149.8 | 119.9  | 118.2 | 111.5 | 104.7 |
| 125°   | 154.0 | 127.8  | 126.3 | 120.1 | 114.0 |
| 127.5° | 158.1 | 135.4  | 133.9 | 127.6 | 121.5 |
| 130°   | 161.1 | 140.5  | 138.8 | 132.2 | 125.5 |
| 132.5° | 163.6 | 144.7  | 143.0 | 136.4 | 129.7 |
| 135°   | 166.3 | 149.5  | 148.0 | 141.9 | 135.9 |
| 137.5° | 170.3 | 155.7  | 154.2 | 148.2 | 142.2 |
| 140°   | 172.8 | 159.9  | 158.4 | 152.9 | 147.4 |
| 142.5° | 174.8 | 162.9  | 161.7 | 156.5 | 151.4 |
| 145°   | 177.5 | 167.6  | 166.5 | 162.0 | 157.5 |
| 147.5° | 181.5 | 173.5  | 172.5 | 168.1 | 163.7 |
| 150°   | 183.5 | 176.6  | 175.7 | 171.7 | 167.7 |
| 152.5° | 184.9 | 178.6  | 177.9 | 174.9 | 171.9 |
| 155°   | 187.8 | 183.1  | 182.5 | 180.3 | 178.1 |
| 157.5° | 190.8 | 187.5  | 186.9 | 184.8 | 182.6 |
| 160°   | 192.1 | 189.5  | 189.1 | 187.5 | 185.8 |
| 162.5° | 193.5 | 191.6  | 191.3 | 190.0 | 188.8 |
| 165°   | 195.6 | 194.7  | 194.4 | 193.3 | 192.2 |
| 167.5° | 197.2 | 196.5  | 196.3 | 195.8 | 195.2 |
| 170°   | 198.5 | 198.4  | 198.3 | 197.8 | 197.3 |
| 172.5° | 198.6 | 198.6  | 198.6 | 198.4 | 198.3 |
| 175°   | 199.4 | 199.9  | 199.9 | 199.9 | 199.9 |
| 177.5° | 199.5 | 199.9  | 199.9 | 199.9 | 199.9 |
| 180°   | 199.9 | 199.9  | 199.9 | 199.9 | 199.9 |



TEST NUMBER: P934039  
 CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-6-3500K

**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 | 15.64            | 16.84 | 16.30 | 17.52 | 18.31 | 18.47          | 19.67 | 19.13 | 20.34 | 21.13 |
|                 | 3H   | 16.14            | 17.22 | 16.82 | 17.91 | 18.73 | 19.84          | 20.91 | 20.51 | 21.60 | 22.42 |
|                 | 4H   | 16.35            | 17.37 | 17.05 | 18.07 | 18.90 | 20.29          | 21.31 | 20.99 | 22.01 | 22.84 |
|                 | 6H   | 16.49            | 17.42 | 17.20 | 18.13 | 18.98 | 20.59          | 21.53 | 21.30 | 22.24 | 23.09 |
|                 | 8H   | 16.50            | 17.39 | 17.22 | 18.12 | 18.97 | 20.68          | 21.57 | 21.40 | 22.30 | 23.15 |
|                 | 12H  | 16.48            | 17.33 | 17.21 | 18.06 | 18.94 | 20.73          | 21.58 | 21.45 | 22.30 | 23.18 |
| 4H              | 2H   | 16.71            | 17.73 | 17.41 | 18.43 | 19.26 | 18.92          | 19.93 | 19.61 | 20.63 | 21.47 |
|                 | 3H   | 17.77            | 18.62 | 18.48 | 19.36 | 20.21 | 20.45          | 21.30 | 21.16 | 22.04 | 22.89 |
|                 | 4H   | 18.06            | 18.83 | 18.79 | 19.57 | 20.45 | 20.99          | 21.76 | 21.72 | 22.50 | 23.38 |
|                 | 6H   | 18.21            | 18.87 | 18.95 | 19.64 | 20.53 | 21.37          | 22.04 | 22.12 | 22.81 | 23.70 |
|                 | 8H   | 18.22            | 18.84 | 18.97 | 19.60 | 20.51 | 21.49          | 22.11 | 22.24 | 22.87 | 23.78 |
|                 | 12H  | 18.20            | 18.76 | 18.97 | 19.55 | 20.46 | 21.56          | 22.12 | 22.33 | 22.90 | 23.81 |
| 8H              | 4H   | 18.54            | 19.16 | 19.29 | 19.92 | 20.83 | 21.14          | 21.77 | 21.89 | 22.53 | 23.43 |
|                 | 6H   | 18.82            | 19.33 | 19.60 | 20.14 | 21.04 | 21.59          | 22.11 | 22.37 | 22.91 | 23.82 |
|                 | 8H   | 18.86            | 19.32 | 19.66 | 20.13 | 21.05 | 21.75          | 22.21 | 22.54 | 23.01 | 23.93 |
|                 | 12H  | 18.86            | 19.27 | 19.66 | 20.06 | 21.04 | 21.86          | 22.26 | 22.65 | 23.06 | 24.04 |
| 12H             | 4H   | 18.56            | 19.12 | 19.33 | 19.91 | 20.82 | 21.12          | 21.68 | 21.90 | 22.47 | 23.38 |
|                 | 6H   | 18.88            | 19.34 | 19.67 | 20.14 | 21.06 | 21.59          | 22.05 | 22.38 | 22.86 | 23.78 |
|                 | 8H   | 18.96            | 19.37 | 19.76 | 20.16 | 21.14 | 21.77          | 22.17 | 22.56 | 22.97 | 23.95 |