

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: P1435920

Luminaire Tested: SQ2W-FB-K-025U-100D-L835-UNV-STD-W-WM-4

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1435920
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-FB-K-025U-100D-L835-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS BATWING ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1000 LUMENS PER FOOT
UPLIGHT 250 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

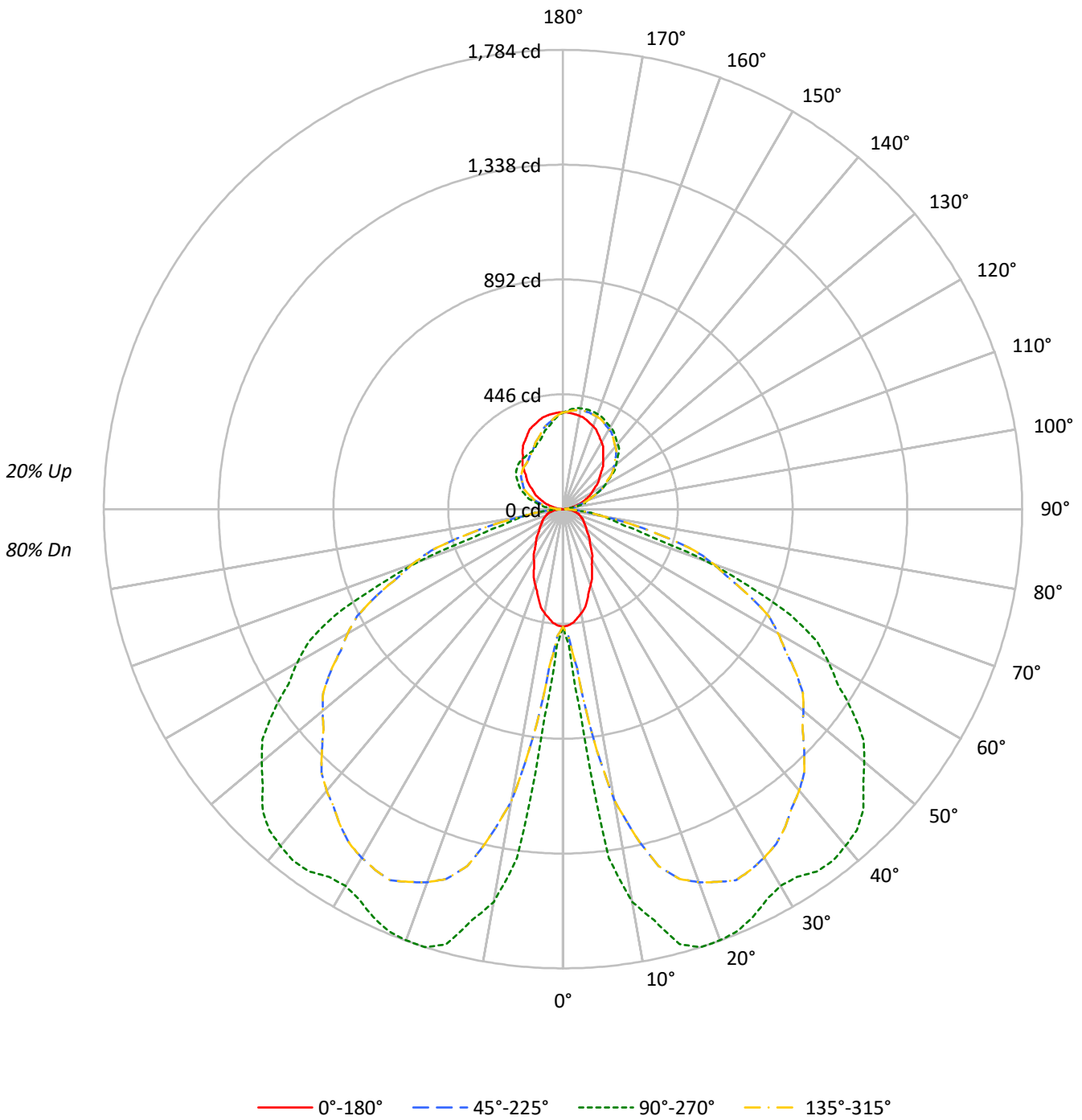
Lumens per Lamp: N/A
Luminaire Lumens: 5606.1 lumens
Efficiency: N/A
Efficacy: 124.3 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 2.98 / 2.52
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 45.1
Input Voltage (V): 120
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: P1435920

CATALOG NUMBER: SQ2W-FB-K-025U-100D-L835-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P1435920

CATALOG NUMBER: SQ2W-FB-K-025U-100D-L835-UNV-STD-W-WM-4

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 | 100 | 100 | 100 | 92 | 92 | 92 | 84 | 84 | 84 | 80 | | | | |
| 1 | 104 | 100 | 95 | 92 | 100 | 96 | 92 | 88 | 88 | 85 | 82 | 81 | 78 | 76 | 74 | 72 | 71 | 67 | | | | |
| 2 | 95 | 86 | 80 | 74 | 90 | 83 | 77 | 72 | 76 | 71 | 67 | 70 | 66 | 63 | 64 | 61 | 58 | 55 | | | | |
| 3 | 86 | 75 | 67 | 61 | 82 | 72 | 65 | 59 | 67 | 61 | 56 | 61 | 56 | 52 | 56 | 52 | 49 | 46 | | | | |
| 4 | 78 | 66 | 58 | 51 | 74 | 64 | 56 | 49 | 59 | 52 | 47 | 54 | 48 | 44 | 50 | 45 | 41 | 39 | | | | |
| 5 | 71 | 59 | 50 | 43 | 68 | 56 | 48 | 42 | 52 | 45 | 40 | 48 | 42 | 38 | 44 | 39 | 35 | 33 | | | | |
| 6 | 66 | 52 | 43 | 37 | 62 | 50 | 42 | 36 | 47 | 40 | 34 | 43 | 37 | 32 | 40 | 35 | 31 | 28 | | | | |
| 7 | 61 | 47 | 38 | 32 | 58 | 45 | 37 | 31 | 42 | 35 | 30 | 39 | 33 | 28 | 36 | 31 | 27 | 25 | | | | |
| 8 | 56 | 43 | 34 | 28 | 53 | 41 | 33 | 28 | 38 | 31 | 26 | 35 | 29 | 25 | 33 | 28 | 24 | 22 | | | | |
| 9 | 52 | 39 | 31 | 25 | 50 | 37 | 30 | 25 | 35 | 28 | 23 | 32 | 26 | 22 | 30 | 25 | 21 | 19 | | | | |
| 10 | 49 | 36 | 28 | 22 | 46 | 34 | 27 | 22 | 32 | 25 | 21 | 30 | 24 | 20 | 28 | 23 | 19 | 17 | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|------|-------|------|-------|
| 0° | 7370 | 7370 | 7370 | 7370 |
| 5° | 7186 | 13055 | 7186 | 13055 |
| 10° | 6730 | 25405 | 6730 | 25405 |
| 15° | 6091 | 29241 | 6091 | 29241 |
| 20° | 5393 | 30623 | 5393 | 30623 |
| 25° | 4771 | 31126 | 4771 | 31126 |
| 30° | 4215 | 31509 | 4215 | 31509 |
| 35° | 3765 | 33874 | 3765 | 33874 |
| 40° | 3423 | 35992 | 3423 | 35992 |
| 45° | 3158 | 37689 | 3158 | 37689 |
| 50° | 2976 | 38373 | 2976 | 38373 |
| 55° | 2905 | 38677 | 2905 | 38677 |
| 60° | 2977 | 38485 | 2977 | 38485 |
| 65° | 3102 | 37398 | 3102 | 37398 |
| 70° | 3210 | 28286 | 3210 | 28286 |
| 75° | 3562 | 15608 | 3562 | 15608 |
| 80° | 3673 | 14486 | 3673 | 14486 |
| 85° | 3668 | 6095 | 3668 | 6095 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 52.5°
 Luminance: 39027 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 76.5 | 1.4 |
| 10°-20° | 349.0 | 6.2 |
| 20°-30° | 614.2 | 11.0 |
| 30°-40° | 795.0 | 14.2 |
| 40°-50° | 876.8 | 15.6 |
| 50°-60° | 818.3 | 14.6 |
| 60°-70° | 632.2 | 11.3 |
| 70°-80° | 291.4 | 5.2 |
| 80°-90° | 57.3 | 1.0 |
| 90°-100° | 29.9 | 0.5 |
| 100°-110° | 87.1 | 1.6 |
| 110°-120° | 142.1 | 2.5 |
| 120°-130° | 180.3 | 3.2 |
| 130°-140° | 192.9 | 3.4 |
| 140°-150° | 180.2 | 3.2 |
| 150°-160° | 148.3 | 2.6 |
| 160°-170° | 99.4 | 1.8 |
| 170°-180° | 35.3 | 0.6 |
| 0°-30° | 1039.7 | 18.5 |
| 0°-40° | 1834.7 | 32.7 |
| 0°-60° | 3529.7 | 63.0 |
| 0°-90° | 4510.7 | 80.5 |
| 90°-120° | 259.0 | 4.6 |
| 90°-150° | 812.5 | 14.5 |
| 90°-180° | 1095.0 | 19.5 |
| 0°-180° | 5606.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|-----|------|------|------|------|------|
| 0° | 456 | 456 | 456 | 456 | 456 | |
| 5° | 443 | 806 | 443 | 806 | 443 | 41 |
| 15° | 364 | 1749 | 364 | 1749 | 364 | 102 |
| 25° | 268 | 1747 | 268 | 1747 | 268 | 123 |
| 35° | 191 | 1719 | 191 | 1719 | 191 | 120 |
| 45° | 138 | 1651 | 138 | 1651 | 138 | 107 |
| 55° | 103 | 1374 | 103 | 1374 | 103 | 93 |
| 65° | 81 | 979 | 81 | 979 | 81 | 80 |
| 75° | 57 | 250 | 57 | 250 | 57 | 59 |
| 85° | 20 | 33 | 20 | 33 | 20 | 21 |
| 90° | 1 | 8 | 1 | 16 | 1 | 2 |
| 95° | 12 | 9 | 12 | 51 | 12 | 14 |
| 105° | 55 | 89 | 55 | 122 | 55 | 59 |
| 115° | 106 | 147 | 106 | 181 | 106 | 105 |
| 125° | 157 | 233 | 157 | 222 | 157 | 140 |
| 135° | 213 | 305 | 213 | 246 | 213 | 165 |
| 145° | 272 | 352 | 272 | 251 | 272 | 170 |
| 155° | 324 | 382 | 324 | 261 | 324 | 149 |
| 165° | 358 | 398 | 358 | 300 | 358 | 101 |
| 175° | 374 | 390 | 374 | 352 | 374 | 35 |
| 180° | 375 | 375 | 375 | 375 | 375 | |



TEST NUMBER: P1435920

CATALOG NUMBER: SQ2W-FB-K-025U-100D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° |
|--------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 456.5 | 456.5 | 456.5 | 456.5 | 456.5 | 456.5 | 456.5 | 456.5 | 456.5 | 456.5 | 456.5 |
| 2.5° | 453.0 | 461.6 | 470.2 | 479.4 | 488.7 | 498.9 | 509.8 | 519.2 | 523.9 | 528.5 | 523.9 |
| 5° | 443.4 | 472.6 | 501.9 | 544.3 | 591.2 | 644.3 | 703.8 | 754.8 | 780.2 | 805.5 | 780.2 |
| 7.5° | 426.3 | 485.8 | 545.3 | 671.4 | 819.6 | 973.6 | 1133.2 | 1265.6 | 1316.3 | 1367.0 | 1316.3 |
| 10° | 410.5 | 493.4 | 576.3 | 790.2 | 1047.7 | 1245.7 | 1384.3 | 1495.0 | 1522.3 | 1549.6 | 1522.3 |
| 12.5° | 392.9 | 505.5 | 618.0 | 882.1 | 1196.6 | 1402.4 | 1499.6 | 1579.5 | 1607.6 | 1635.7 | 1607.6 |
| 15° | 364.4 | 525.3 | 686.3 | 984.8 | 1329.2 | 1540.8 | 1619.9 | 1686.9 | 1718.1 | 1749.4 | 1718.1 |
| 17.5° | 334.9 | 549.2 | 763.4 | 1067.9 | 1402.5 | 1608.9 | 1687.2 | 1750.1 | 1767.1 | 1784.0 | 1767.1 |
| 20° | 313.9 | 565.6 | 817.2 | 1122.3 | 1445.2 | 1640.3 | 1707.7 | 1760.8 | 1771.6 | 1782.3 | 1771.6 |
| 22.5° | 294.6 | 575.9 | 857.2 | 1162.7 | 1476.3 | 1658.5 | 1709.4 | 1750.5 | 1762.0 | 1773.5 | 1762.0 |
| 25° | 267.8 | 584.8 | 901.9 | 1206.5 | 1506.9 | 1673.3 | 1705.5 | 1731.6 | 1739.4 | 1747.2 | 1739.4 |
| 27.5° | 241.9 | 576.9 | 911.9 | 1212.6 | 1502.0 | 1657.2 | 1678.2 | 1696.0 | 1703.6 | 1711.2 | 1703.6 |
| 30° | 226.1 | 566.5 | 907.0 | 1205.0 | 1488.9 | 1638.6 | 1654.2 | 1668.6 | 1679.4 | 1690.1 | 1679.4 |
| 32.5° | 212.0 | 554.1 | 896.1 | 1190.4 | 1468.8 | 1615.4 | 1630.3 | 1647.2 | 1670.4 | 1693.6 | 1670.4 |
| 35° | 191.0 | 527.5 | 864.1 | 1155.3 | 1431.3 | 1581.1 | 1604.5 | 1632.8 | 1675.7 | 1718.6 | 1675.7 |
| 37.5° | 173.0 | 493.5 | 814.1 | 1102.3 | 1379.7 | 1542.9 | 1591.9 | 1639.0 | 1680.3 | 1721.7 | 1680.3 |
| 40° | 162.4 | 469.7 | 777.0 | 1063.1 | 1342.1 | 1514.3 | 1579.6 | 1637.4 | 1672.5 | 1707.7 | 1672.5 |
| 42.5° | 151.9 | 442.8 | 733.7 | 1017.4 | 1298.8 | 1477.6 | 1553.9 | 1619.9 | 1655.0 | 1690.1 | 1655.0 |
| 45° | 138.3 | 399.7 | 661.2 | 942.4 | 1230.1 | 1418.9 | 1508.7 | 1584.3 | 1617.4 | 1650.6 | 1617.4 |
| 47.5° | 125.6 | 352.7 | 579.8 | 862.2 | 1163.0 | 1361.1 | 1456.3 | 1533.7 | 1557.9 | 1582.1 | 1557.9 |
| 50° | 118.5 | 321.4 | 524.3 | 807.7 | 1118.0 | 1319.9 | 1413.5 | 1488.7 | 1508.2 | 1527.7 | 1508.2 |
| 52.5° | 111.5 | 291.0 | 470.5 | 754.5 | 1073.3 | 1276.8 | 1365.0 | 1435.6 | 1453.5 | 1471.5 | 1453.5 |
| 55° | 103.2 | 249.5 | 395.8 | 676.8 | 1002.6 | 1204.0 | 1281.1 | 1342.8 | 1358.4 | 1374.0 | 1358.4 |
| 57.5° | 95.7 | 213.7 | 331.8 | 603.9 | 927.4 | 1122.0 | 1187.8 | 1240.2 | 1252.9 | 1265.6 | 1252.9 |
| 60° | 92.2 | 194.6 | 297.0 | 558.2 | 872.4 | 1059.2 | 1118.7 | 1166.5 | 1179.2 | 1191.8 | 1179.2 |
| 62.5° | 86.9 | 176.1 | 265.2 | 512.6 | 812.7 | 990.1 | 1044.9 | 1089.0 | 1100.9 | 1112.8 | 1100.9 |
| 65° | 81.2 | 153.4 | 225.6 | 448.5 | 721.6 | 881.1 | 927.0 | 963.3 | 971.1 | 978.9 | 971.1 |
| 67.5° | 73.3 | 134.6 | 195.8 | 389.8 | 628.0 | 761.4 | 789.9 | 807.6 | 793.0 | 778.3 | 793.0 |
| 70° | 68.0 | 124.6 | 181.2 | 354.1 | 565.8 | 676.5 | 686.3 | 683.1 | 641.2 | 599.2 | 641.2 |
| 72.5° | 64.5 | 114.9 | 165.2 | 314.9 | 497.7 | 578.4 | 556.9 | 521.0 | 441.6 | 362.2 | 441.6 |
| 75° | 57.1 | 98.0 | 139.0 | 251.7 | 388.3 | 409.7 | 316.1 | 246.3 | 248.3 | 250.2 | 248.3 |
| 77.5° | 46.5 | 77.2 | 107.8 | 177.1 | 259.2 | 275.5 | 225.9 | 189.2 | 191.0 | 192.7 | 191.0 |
| 80° | 39.5 | 63.9 | 88.3 | 115.6 | 143.9 | 157.1 | 155.1 | 153.9 | 154.9 | 155.8 | 154.9 |
| 82.5° | 32.5 | 50.6 | 68.8 | 85.2 | 101.0 | 109.8 | 111.8 | 112.9 | 111.6 | 110.2 | 111.6 |
| 85° | 19.8 | 30.5 | 41.2 | 47.6 | 52.4 | 51.0 | 43.2 | 36.8 | 34.9 | 32.9 | 34.9 |
| 87.5° | 7.3 | 11.5 | 15.7 | 14.7 | 11.8 | 10.3 | 10.3 | 10.4 | 10.4 | 10.4 | 10.4 |
| 90° | 1.1 | 2.7 | 4.5 | 6.1 | 7.2 | 7.6 | 7.6 | 8.0 | 8.3 | 8.3 | 8.3 |
| 92.5° | 4.2 | 6.6 | 6.7 | 6.7 | 8.1 | 8.8 | 9.4 | 9.5 | 9.9 | 9.9 | 9.9 |
| 95° | 11.7 | 12.9 | 19.3 | 18.9 | 12.9 | 10.2 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 |
| 97.5° | 22.4 | 24.1 | 25.2 | 33.7 | 35.6 | 34.4 | 28.0 | 23.6 | 21.1 | 19.9 | 21.1 |
| 100° | 31.8 | 32.6 | 34.9 | 35.2 | 44.7 | 53.8 | 49.3 | 43.6 | 41.7 | 40.5 | 41.7 |
| 102.5° | 41.2 | 41.7 | 45.2 | 46.8 | 49.0 | 54.1 | 69.9 | 68.1 | 66.9 | 66.6 | 66.9 |
| 105° | 55.3 | 55.7 | 62.2 | 65.2 | 66.7 | 66.7 | 66.3 | 73.9 | 86.0 | 88.7 | 86.0 |
| 107.5° | 70.4 | 72.2 | 79.7 | 87.8 | 89.6 | 90.0 | 88.1 | 86.9 | 86.5 | 86.8 | 86.5 |
| 110° | 80.7 | 83.4 | 92.5 | 102.7 | 105.4 | 106.1 | 105.4 | 104.2 | 103.5 | 103.5 | 103.5 |



TEST NUMBER: P1435920

CATALOG NUMBER: SQ2W-FB-K-025U-100D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 90.7 | 94.6 | 104.9 | 116.6 | 121.1 | 123.4 | 121.7 | 120.9 | 120.1 | 120.7 | 120.1 |
| 115° | 106.1 | 111.8 | 125.4 | 137.6 | 146.7 | 147.8 | 147.4 | 147.4 | 147.0 | 147.0 | 147.0 |
| 117.5° | 120.4 | 129.5 | 144.8 | 158.9 | 169.4 | 172.4 | 173.9 | 173.5 | 173.0 | 173.8 | 173.0 |
| 120° | 130.4 | 141.0 | 158.4 | 174.3 | 184.6 | 189.1 | 190.6 | 189.9 | 190.6 | 189.9 | 190.6 |
| 122.5° | 141.0 | 154.0 | 171.1 | 187.7 | 199.7 | 204.9 | 206.7 | 206.8 | 207.0 | 206.5 | 207.0 |
| 125° | 156.9 | 172.8 | 192.9 | 209.9 | 222.5 | 228.5 | 230.0 | 230.4 | 231.2 | 233.1 | 231.2 |
| 127.5° | 173.0 | 191.0 | 213.1 | 229.5 | 242.3 | 249.7 | 252.0 | 252.8 | 254.4 | 255.3 | 254.4 |
| 130° | 184.2 | 204.6 | 227.0 | 242.5 | 255.0 | 263.0 | 267.2 | 268.3 | 270.2 | 269.8 | 270.2 |
| 132.5° | 196.0 | 217.4 | 240.0 | 256.2 | 267.8 | 276.3 | 279.9 | 283.2 | 283.8 | 284.4 | 283.8 |
| 135° | 213.4 | 236.5 | 259.2 | 275.1 | 286.1 | 294.5 | 299.0 | 302.0 | 303.9 | 305.1 | 303.9 |
| 137.5° | 231.6 | 256.0 | 277.9 | 292.0 | 303.1 | 310.3 | 315.5 | 318.6 | 320.6 | 321.5 | 320.6 |
| 140° | 244.1 | 267.6 | 288.8 | 303.6 | 313.4 | 320.6 | 325.2 | 328.9 | 331.2 | 331.2 | 331.2 |
| 142.5° | 255.9 | 279.1 | 299.7 | 314.5 | 323.1 | 329.7 | 334.6 | 337.4 | 340.0 | 340.0 | 340.0 |
| 145° | 272.5 | 295.6 | 314.5 | 329.3 | 336.5 | 342.6 | 347.9 | 350.2 | 351.7 | 351.7 | 351.7 |
| 147.5° | 289.8 | 310.3 | 327.6 | 341.8 | 347.8 | 354.9 | 359.1 | 360.9 | 362.8 | 362.0 | 362.8 |
| 150° | 300.1 | 319.1 | 335.8 | 349.0 | 355.1 | 361.9 | 366.1 | 367.6 | 369.5 | 368.4 | 369.5 |
| 152.5° | 310.1 | 328.2 | 343.3 | 355.7 | 360.9 | 367.7 | 372.5 | 374.0 | 375.3 | 374.4 | 375.3 |
| 155° | 323.6 | 339.6 | 353.6 | 364.9 | 369.5 | 375.9 | 380.5 | 382.4 | 383.9 | 382.0 | 383.9 |
| 157.5° | 335.7 | 349.4 | 361.6 | 372.1 | 376.9 | 382.5 | 386.7 | 389.1 | 390.6 | 389.7 | 390.6 |
| 160° | 343.0 | 355.5 | 366.5 | 376.3 | 380.9 | 385.8 | 390.3 | 393.0 | 394.5 | 393.4 | 394.5 |
| 162.5° | 349.0 | 360.3 | 370.7 | 379.7 | 383.6 | 387.9 | 393.4 | 395.7 | 397.2 | 395.8 | 397.2 |
| 165° | 357.7 | 366.8 | 375.9 | 383.5 | 386.9 | 390.3 | 396.0 | 398.7 | 399.8 | 398.3 | 399.8 |
| 167.5° | 364.3 | 371.3 | 378.7 | 385.2 | 387.7 | 391.0 | 396.7 | 398.9 | 400.3 | 398.4 | 400.3 |
| 170° | 368.0 | 374.0 | 380.5 | 385.8 | 387.7 | 390.7 | 396.4 | 398.3 | 399.4 | 397.5 | 399.4 |
| 172.5° | 371.0 | 375.6 | 380.8 | 385.5 | 386.5 | 388.9 | 394.3 | 396.2 | 397.0 | 395.4 | 397.0 |
| 175° | 374.0 | 376.7 | 380.5 | 383.5 | 383.1 | 384.7 | 389.2 | 390.7 | 392.2 | 390.0 | 392.2 |
| 177.5° | 375.5 | 376.7 | 377.9 | 379.7 | 378.5 | 378.5 | 381.9 | 382.8 | 383.1 | 381.9 | 383.1 |
| 180° | 375.2 | 375.2 | 375.2 | 375.2 | 375.2 | 375.2 | 375.2 | 375.2 | 375.2 | 375.2 | 375.2 |



TEST NUMBER: P1435920

CATALOG NUMBER: SQ2W-FB-K-025U-100D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° | 190° | 200° | 210° |
|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|--------|
| 0° | 456.5 | 456.5 | 456.5 | 456.5 | 456.5 | 456.5 | 456.5 | 456.5 | 456.5 | 456.5 | 456.5 |
| 2.5° | 519.2 | 509.8 | 498.9 | 488.7 | 479.4 | 470.2 | 461.6 | 453.0 | 461.6 | 470.2 | 479.4 |
| 5° | 754.8 | 703.8 | 644.3 | 591.2 | 544.3 | 501.9 | 472.6 | 443.4 | 472.6 | 501.9 | 544.3 |
| 7.5° | 1265.6 | 1133.2 | 973.6 | 819.6 | 671.4 | 545.3 | 485.8 | 426.3 | 485.8 | 545.3 | 671.4 |
| 10° | 1495.0 | 1384.3 | 1245.7 | 1047.7 | 790.2 | 576.3 | 493.4 | 410.5 | 493.4 | 576.3 | 790.2 |
| 12.5° | 1579.5 | 1499.6 | 1402.4 | 1196.6 | 882.1 | 618.0 | 505.5 | 392.9 | 505.5 | 618.0 | 882.1 |
| 15° | 1686.9 | 1619.9 | 1540.8 | 1329.2 | 984.8 | 686.3 | 525.3 | 364.4 | 525.3 | 686.3 | 984.8 |
| 17.5° | 1750.1 | 1687.2 | 1608.9 | 1402.5 | 1067.9 | 763.4 | 549.2 | 334.9 | 549.2 | 763.4 | 1067.9 |
| 20° | 1760.8 | 1707.7 | 1640.3 | 1445.2 | 1122.3 | 817.2 | 565.6 | 313.9 | 565.6 | 817.2 | 1122.3 |
| 22.5° | 1750.5 | 1709.4 | 1658.5 | 1476.3 | 1162.7 | 857.2 | 575.9 | 294.6 | 575.9 | 857.2 | 1162.7 |
| 25° | 1731.6 | 1705.5 | 1673.3 | 1506.9 | 1206.5 | 901.9 | 584.8 | 267.8 | 584.8 | 901.9 | 1206.5 |
| 27.5° | 1696.0 | 1678.2 | 1657.2 | 1502.0 | 1212.6 | 911.9 | 576.9 | 241.9 | 576.9 | 911.9 | 1212.6 |
| 30° | 1668.6 | 1654.2 | 1638.6 | 1488.9 | 1205.0 | 907.0 | 566.5 | 226.1 | 566.5 | 907.0 | 1205.0 |
| 32.5° | 1647.2 | 1630.3 | 1615.4 | 1468.8 | 1190.4 | 896.1 | 554.1 | 212.0 | 554.1 | 896.1 | 1190.4 |
| 35° | 1632.8 | 1604.5 | 1581.1 | 1431.3 | 1155.3 | 864.1 | 527.5 | 191.0 | 527.5 | 864.1 | 1155.3 |
| 37.5° | 1639.0 | 1591.9 | 1542.9 | 1379.7 | 1102.3 | 814.1 | 493.5 | 173.0 | 493.5 | 814.1 | 1102.3 |
| 40° | 1637.4 | 1579.6 | 1514.3 | 1342.1 | 1063.1 | 777.0 | 469.7 | 162.4 | 469.7 | 777.0 | 1063.1 |
| 42.5° | 1619.9 | 1553.9 | 1477.6 | 1298.8 | 1017.4 | 733.7 | 442.8 | 151.9 | 442.8 | 733.7 | 1017.4 |
| 45° | 1584.3 | 1508.7 | 1418.9 | 1230.1 | 942.4 | 661.2 | 399.7 | 138.3 | 399.7 | 661.2 | 942.4 |
| 47.5° | 1533.7 | 1456.3 | 1361.1 | 1163.0 | 862.2 | 579.8 | 352.7 | 125.6 | 352.7 | 579.8 | 862.2 |
| 50° | 1488.7 | 1413.5 | 1319.9 | 1118.0 | 807.7 | 524.3 | 321.4 | 118.5 | 321.4 | 524.3 | 807.7 |
| 52.5° | 1435.6 | 1365.0 | 1276.8 | 1073.3 | 754.5 | 470.5 | 291.0 | 111.5 | 291.0 | 470.5 | 754.5 |
| 55° | 1342.8 | 1281.1 | 1204.0 | 1002.6 | 676.8 | 395.8 | 249.5 | 103.2 | 249.5 | 395.8 | 676.8 |
| 57.5° | 1240.2 | 1187.8 | 1122.0 | 927.4 | 603.9 | 331.8 | 213.7 | 95.7 | 213.7 | 331.8 | 603.9 |
| 60° | 1166.5 | 1118.7 | 1059.2 | 872.4 | 558.2 | 297.0 | 194.6 | 92.2 | 194.6 | 297.0 | 558.2 |
| 62.5° | 1089.0 | 1044.9 | 990.1 | 812.7 | 512.6 | 265.2 | 176.1 | 86.9 | 176.1 | 265.2 | 512.6 |
| 65° | 963.3 | 927.0 | 881.1 | 721.6 | 448.5 | 225.6 | 153.4 | 81.2 | 153.4 | 225.6 | 448.5 |
| 67.5° | 807.6 | 789.9 | 761.4 | 628.0 | 389.8 | 195.8 | 134.6 | 73.3 | 134.6 | 195.8 | 389.8 |
| 70° | 683.1 | 686.3 | 676.5 | 565.8 | 354.1 | 181.2 | 124.6 | 68.0 | 124.6 | 181.2 | 354.1 |
| 72.5° | 521.0 | 556.9 | 578.4 | 497.7 | 314.9 | 165.2 | 114.9 | 64.5 | 114.9 | 165.2 | 314.9 |
| 75° | 246.3 | 316.1 | 409.7 | 388.3 | 251.7 | 139.0 | 98.0 | 57.1 | 98.0 | 139.0 | 251.7 |
| 77.5° | 189.2 | 225.9 | 275.5 | 259.2 | 177.1 | 107.8 | 77.2 | 46.5 | 77.2 | 107.8 | 177.1 |
| 80° | 153.9 | 155.1 | 157.1 | 143.9 | 115.6 | 88.3 | 63.9 | 39.5 | 63.9 | 88.3 | 115.6 |
| 82.5° | 112.9 | 111.8 | 109.8 | 101.0 | 85.2 | 68.8 | 50.6 | 32.5 | 50.6 | 68.8 | 85.2 |
| 85° | 36.8 | 43.2 | 51.0 | 52.4 | 47.6 | 41.2 | 30.5 | 19.8 | 30.5 | 41.2 | 47.6 |
| 87.5° | 10.4 | 10.3 | 10.3 | 11.8 | 14.7 | 15.7 | 11.5 | 7.3 | 11.5 | 15.7 | 14.8 |
| 90° | 8.0 | 7.6 | 7.6 | 7.2 | 6.1 | 4.5 | 2.7 | 1.1 | 2.7 | 4.2 | 6.8 |
| 92.5° | 9.5 | 9.4 | 8.8 | 8.1 | 6.7 | 6.7 | 6.6 | 4.2 | 7.2 | 10.2 | 14.7 |
| 95° | 8.7 | 8.7 | 10.2 | 12.9 | 18.9 | 19.3 | 12.9 | 11.7 | 16.7 | 23.5 | 29.6 |
| 97.5° | 23.6 | 28.0 | 34.4 | 35.6 | 33.7 | 25.2 | 24.1 | 22.4 | 30.5 | 37.3 | 47.1 |
| 100° | 43.6 | 49.3 | 53.8 | 44.7 | 35.2 | 34.9 | 32.6 | 31.8 | 40.5 | 47.0 | 56.5 |
| 102.5° | 68.1 | 69.9 | 54.1 | 49.0 | 46.8 | 45.2 | 41.7 | 41.2 | 49.9 | 58.8 | 66.8 |
| 105° | 73.9 | 66.3 | 66.7 | 66.7 | 65.2 | 62.2 | 55.7 | 55.3 | 65.2 | 75.4 | 85.3 |
| 107.5° | 86.9 | 88.1 | 90.0 | 89.6 | 87.8 | 79.7 | 72.2 | 70.4 | 79.3 | 91.6 | 102.4 |
| 110° | 104.2 | 105.4 | 106.1 | 105.4 | 102.7 | 92.5 | 83.4 | 80.7 | 88.7 | 101.6 | 113.3 |



TEST NUMBER: P1435920

CATALOG NUMBER: SQ2W-FB-K-025U-100D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° | 190° | 200° | 210° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 120.9 | 121.7 | 123.4 | 121.1 | 116.6 | 104.9 | 94.6 | 90.7 | 98.7 | 111.9 | 123.9 |
| 115° | 147.4 | 147.4 | 147.8 | 146.7 | 137.6 | 125.4 | 111.8 | 106.1 | 112.9 | 125.1 | 138.3 |
| 117.5° | 173.5 | 173.9 | 172.4 | 169.4 | 158.9 | 144.8 | 129.5 | 120.4 | 125.7 | 138.6 | 152.2 |
| 120° | 189.9 | 190.6 | 189.1 | 184.6 | 174.3 | 158.4 | 141.0 | 130.4 | 134.5 | 147.0 | 160.7 |
| 122.5° | 206.8 | 206.7 | 204.9 | 199.7 | 187.7 | 171.1 | 154.0 | 141.0 | 142.7 | 154.3 | 167.7 |
| 125° | 230.4 | 230.0 | 228.5 | 222.5 | 209.9 | 192.9 | 172.8 | 156.9 | 154.6 | 164.5 | 178.1 |
| 127.5° | 252.8 | 252.0 | 249.7 | 242.3 | 229.5 | 213.1 | 191.0 | 173.0 | 167.9 | 174.1 | 186.6 |
| 130° | 268.3 | 267.2 | 263.0 | 255.0 | 242.5 | 227.0 | 204.6 | 184.2 | 177.0 | 180.8 | 191.8 |
| 132.5° | 283.2 | 279.9 | 276.3 | 267.8 | 256.2 | 240.0 | 217.4 | 196.0 | 186.1 | 187.7 | 196.3 |
| 135° | 302.0 | 299.0 | 294.5 | 286.1 | 275.1 | 259.2 | 236.5 | 213.4 | 199.7 | 198.2 | 203.1 |
| 137.5° | 318.6 | 315.5 | 310.3 | 303.1 | 292.0 | 277.9 | 256.0 | 231.6 | 214.4 | 209.3 | 211.2 |
| 140° | 328.9 | 325.2 | 320.6 | 313.4 | 303.6 | 288.8 | 267.6 | 244.1 | 224.7 | 217.5 | 216.4 |
| 142.5° | 337.4 | 334.6 | 329.7 | 323.1 | 314.5 | 299.7 | 279.1 | 255.9 | 235.3 | 226.0 | 223.4 |
| 145° | 350.2 | 347.9 | 342.6 | 336.5 | 329.3 | 314.5 | 295.6 | 272.5 | 252.0 | 239.9 | 234.2 |
| 147.5° | 360.9 | 359.1 | 354.9 | 347.8 | 341.8 | 327.6 | 310.3 | 289.8 | 268.8 | 253.8 | 246.5 |
| 150° | 367.6 | 366.1 | 361.9 | 355.1 | 349.0 | 335.8 | 319.1 | 300.1 | 280.1 | 264.1 | 254.7 |
| 152.5° | 374.0 | 372.5 | 367.7 | 360.9 | 355.7 | 343.3 | 328.2 | 310.1 | 289.8 | 273.8 | 264.1 |
| 155° | 382.4 | 380.5 | 375.9 | 369.5 | 364.9 | 353.6 | 339.6 | 323.6 | 306.2 | 289.5 | 278.5 |
| 157.5° | 389.1 | 386.7 | 382.5 | 376.9 | 372.1 | 361.6 | 349.4 | 335.7 | 320.5 | 304.5 | 293.3 |
| 160° | 393.0 | 390.3 | 385.8 | 380.9 | 376.3 | 366.5 | 355.5 | 343.0 | 328.9 | 314.5 | 302.4 |
| 162.5° | 395.7 | 393.4 | 387.9 | 383.6 | 379.7 | 370.7 | 360.3 | 349.0 | 336.5 | 323.9 | 312.7 |
| 165° | 398.7 | 396.0 | 390.3 | 386.9 | 383.5 | 375.9 | 366.8 | 357.7 | 347.1 | 336.9 | 327.8 |
| 167.5° | 398.9 | 396.7 | 391.0 | 387.7 | 385.2 | 378.7 | 371.3 | 364.3 | 356.1 | 348.0 | 340.5 |
| 170° | 398.3 | 396.4 | 390.7 | 387.7 | 385.8 | 380.5 | 374.0 | 368.0 | 361.5 | 354.7 | 348.7 |
| 172.5° | 396.2 | 394.3 | 388.9 | 386.5 | 385.5 | 380.8 | 375.6 | 371.0 | 365.5 | 360.5 | 355.6 |
| 175° | 390.7 | 389.2 | 384.7 | 383.1 | 383.5 | 380.5 | 376.7 | 374.0 | 370.6 | 367.6 | 364.9 |
| 177.5° | 382.8 | 381.9 | 378.5 | 378.5 | 379.7 | 377.9 | 376.7 | 375.5 | 374.0 | 373.1 | 372.1 |
| 180° | 375.2 | 375.2 | 375.2 | 375.2 | 375.2 | 375.2 | 375.2 | 375.2 | 375.2 | 375.2 | 375.2 |



TEST NUMBER: P1435920

CATALOG NUMBER: SQ2W-FB-K-025U-100D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 220° | 230° | 240° | 250° | 260° | 270° | 280° | 290° | 300° | 310° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 456.5 | 456.5 | 456.5 | 456.5 | 456.5 | 456.5 | 456.5 | 456.5 | 456.5 | 456.5 | 456.5 |
| 2.5° | 488.7 | 498.9 | 509.8 | 519.2 | 523.9 | 528.5 | 523.9 | 519.2 | 509.8 | 498.9 | 488.7 |
| 5° | 591.2 | 644.3 | 703.8 | 754.8 | 780.2 | 805.5 | 780.2 | 754.8 | 703.8 | 644.3 | 591.2 |
| 7.5° | 819.6 | 973.6 | 1133.2 | 1265.6 | 1316.3 | 1367.0 | 1316.3 | 1265.6 | 1133.2 | 973.6 | 819.6 |
| 10° | 1047.7 | 1245.7 | 1384.3 | 1495.0 | 1522.3 | 1549.6 | 1522.3 | 1495.0 | 1384.3 | 1245.7 | 1047.7 |
| 12.5° | 1196.6 | 1402.4 | 1499.6 | 1579.5 | 1607.6 | 1635.7 | 1607.6 | 1579.5 | 1499.6 | 1402.4 | 1196.6 |
| 15° | 1329.2 | 1540.8 | 1619.9 | 1686.9 | 1718.1 | 1749.4 | 1718.1 | 1686.9 | 1619.9 | 1540.8 | 1329.2 |
| 17.5° | 1402.5 | 1608.9 | 1687.2 | 1750.1 | 1767.1 | 1784.0 | 1767.1 | 1750.1 | 1687.2 | 1608.9 | 1402.5 |
| 20° | 1445.2 | 1640.3 | 1707.7 | 1760.8 | 1771.6 | 1782.3 | 1771.6 | 1760.8 | 1707.7 | 1640.3 | 1445.2 |
| 22.5° | 1476.3 | 1658.5 | 1709.4 | 1750.5 | 1762.0 | 1773.5 | 1762.0 | 1750.5 | 1709.4 | 1658.5 | 1476.3 |
| 25° | 1506.9 | 1673.3 | 1705.5 | 1731.6 | 1739.4 | 1747.2 | 1739.4 | 1731.6 | 1705.5 | 1673.3 | 1506.9 |
| 27.5° | 1502.0 | 1657.2 | 1678.2 | 1696.0 | 1703.6 | 1711.2 | 1703.6 | 1696.0 | 1678.2 | 1657.2 | 1502.0 |
| 30° | 1488.9 | 1638.6 | 1654.2 | 1668.6 | 1679.4 | 1690.1 | 1679.4 | 1668.6 | 1654.2 | 1638.6 | 1488.9 |
| 32.5° | 1468.8 | 1615.4 | 1630.3 | 1647.2 | 1670.4 | 1693.6 | 1670.4 | 1647.2 | 1630.3 | 1615.4 | 1468.8 |
| 35° | 1431.3 | 1581.1 | 1604.5 | 1632.8 | 1675.7 | 1718.6 | 1675.7 | 1632.8 | 1604.5 | 1581.1 | 1431.3 |
| 37.5° | 1379.7 | 1542.9 | 1591.9 | 1639.0 | 1680.3 | 1721.7 | 1680.3 | 1639.0 | 1591.9 | 1542.9 | 1379.7 |
| 40° | 1342.1 | 1514.3 | 1579.6 | 1637.4 | 1672.5 | 1707.7 | 1672.5 | 1637.4 | 1579.6 | 1514.3 | 1342.1 |
| 42.5° | 1298.8 | 1477.6 | 1553.9 | 1619.9 | 1655.0 | 1690.1 | 1655.0 | 1619.9 | 1553.9 | 1477.6 | 1298.8 |
| 45° | 1230.1 | 1418.9 | 1508.7 | 1584.3 | 1617.4 | 1650.6 | 1617.4 | 1584.3 | 1508.7 | 1418.9 | 1230.1 |
| 47.5° | 1163.0 | 1361.1 | 1456.3 | 1533.7 | 1557.9 | 1582.1 | 1557.9 | 1533.7 | 1456.3 | 1361.1 | 1163.0 |
| 50° | 1118.0 | 1319.9 | 1413.5 | 1488.7 | 1508.2 | 1527.7 | 1508.2 | 1488.7 | 1413.5 | 1319.9 | 1118.0 |
| 52.5° | 1073.3 | 1276.8 | 1365.0 | 1435.6 | 1453.5 | 1471.5 | 1453.5 | 1435.6 | 1365.0 | 1276.8 | 1073.3 |
| 55° | 1002.6 | 1204.0 | 1281.1 | 1342.8 | 1358.4 | 1374.0 | 1358.4 | 1342.8 | 1281.1 | 1204.0 | 1002.6 |
| 57.5° | 927.4 | 1122.0 | 1187.8 | 1240.2 | 1252.9 | 1265.6 | 1252.9 | 1240.2 | 1187.8 | 1122.0 | 927.4 |
| 60° | 872.4 | 1059.2 | 1118.7 | 1166.5 | 1179.2 | 1191.8 | 1179.2 | 1166.5 | 1118.7 | 1059.2 | 872.4 |
| 62.5° | 812.7 | 990.1 | 1044.9 | 1089.0 | 1100.9 | 1112.8 | 1100.9 | 1089.0 | 1044.9 | 990.1 | 812.7 |
| 65° | 721.6 | 881.1 | 927.0 | 963.3 | 971.1 | 978.9 | 971.1 | 963.3 | 927.0 | 881.1 | 721.6 |
| 67.5° | 628.0 | 761.4 | 789.9 | 807.6 | 793.0 | 778.3 | 793.0 | 807.6 | 789.9 | 761.4 | 628.0 |
| 70° | 565.8 | 676.5 | 686.3 | 683.1 | 641.2 | 599.2 | 641.2 | 683.1 | 686.3 | 676.5 | 565.8 |
| 72.5° | 497.7 | 578.4 | 556.9 | 521.0 | 441.6 | 362.2 | 441.6 | 521.0 | 556.9 | 578.4 | 497.7 |
| 75° | 388.3 | 409.7 | 316.1 | 246.3 | 248.3 | 250.2 | 248.3 | 246.3 | 316.1 | 409.7 | 388.3 |
| 77.5° | 259.2 | 275.5 | 225.9 | 189.2 | 191.0 | 192.7 | 191.0 | 189.2 | 225.9 | 275.5 | 259.2 |
| 80° | 143.9 | 157.1 | 155.1 | 153.9 | 154.9 | 155.8 | 154.9 | 153.9 | 155.1 | 157.1 | 143.9 |
| 82.5° | 101.0 | 109.8 | 111.8 | 112.9 | 111.6 | 110.2 | 111.6 | 112.9 | 111.8 | 109.8 | 101.0 |
| 85° | 52.4 | 51.0 | 43.2 | 36.8 | 34.9 | 32.9 | 34.9 | 36.8 | 43.2 | 51.0 | 52.4 |
| 87.5° | 12.1 | 11.1 | 11.6 | 11.9 | 12.2 | 12.0 | 12.2 | 11.9 | 11.6 | 11.1 | 12.1 |
| 90° | 8.7 | 11.4 | 14.0 | 15.5 | 17.1 | 16.3 | 17.1 | 15.5 | 14.0 | 11.4 | 8.7 |
| 92.5° | 17.5 | 22.0 | 25.2 | 28.0 | 29.2 | 29.0 | 29.2 | 28.0 | 25.2 | 22.0 | 17.5 |
| 95° | 35.2 | 40.5 | 45.9 | 49.6 | 51.9 | 51.2 | 51.9 | 49.6 | 40.5 | 35.2 | 35.2 |
| 97.5° | 54.3 | 61.5 | 67.4 | 70.9 | 73.2 | 74.7 | 73.2 | 70.9 | 67.4 | 61.5 | 54.3 |
| 100° | 67.1 | 73.9 | 80.7 | 84.9 | 88.7 | 90.2 | 88.7 | 84.9 | 80.7 | 73.9 | 67.1 |
| 102.5° | 77.4 | 86.3 | 93.8 | 98.2 | 101.4 | 102.9 | 101.4 | 98.2 | 93.8 | 86.3 | 77.4 |
| 105° | 94.4 | 103.8 | 111.8 | 117.5 | 120.9 | 122.0 | 120.9 | 117.5 | 111.8 | 103.8 | 94.4 |
| 107.5° | 111.3 | 121.1 | 128.5 | 134.8 | 138.9 | 141.4 | 138.9 | 134.8 | 128.5 | 121.1 | 111.3 |
| 110° | 124.7 | 132.6 | 140.6 | 146.3 | 150.5 | 152.0 | 150.5 | 146.3 | 140.6 | 132.6 | 124.7 |



TEST NUMBER: P1435920

CATALOG NUMBER: SQ2W-FB-K-025U-100D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 220° | 230° | 240° | 250° | 260° | 270° | 280° | 290° | 300° | 310° | 320° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 135.9 | 144.8 | 152.7 | 158.4 | 163.2 | 165.3 | 163.2 | 158.4 | 152.7 | 144.8 | 135.9 |
| 115° | 151.6 | 163.3 | 170.5 | 175.8 | 179.3 | 181.1 | 179.3 | 175.8 | 170.5 | 163.3 | 151.6 |
| 117.5° | 164.6 | 176.9 | 184.8 | 188.9 | 190.5 | 191.8 | 190.5 | 188.9 | 184.8 | 176.9 | 164.6 |
| 120° | 172.8 | 184.2 | 193.3 | 198.6 | 200.5 | 201.2 | 200.5 | 198.6 | 193.3 | 184.2 | 172.8 |
| 122.5° | 180.4 | 191.2 | 199.9 | 206.5 | 209.6 | 210.3 | 209.6 | 206.5 | 199.9 | 191.2 | 180.4 |
| 125° | 191.0 | 201.2 | 210.3 | 216.8 | 220.2 | 222.1 | 220.2 | 216.8 | 210.3 | 201.2 | 191.0 |
| 127.5° | 200.2 | 211.3 | 219.7 | 225.5 | 228.8 | 230.3 | 228.8 | 225.5 | 219.7 | 211.3 | 200.2 |
| 130° | 205.4 | 216.8 | 225.1 | 231.6 | 234.6 | 236.1 | 234.6 | 231.6 | 225.1 | 216.8 | 205.4 |
| 132.5° | 209.3 | 221.3 | 230.0 | 235.8 | 239.1 | 240.6 | 239.1 | 235.8 | 230.0 | 221.3 | 209.3 |
| 135° | 214.1 | 226.6 | 235.7 | 241.4 | 244.4 | 246.0 | 244.4 | 241.4 | 235.7 | 226.6 | 214.1 |
| 137.5° | 218.3 | 229.7 | 239.1 | 245.1 | 247.8 | 248.8 | 247.8 | 245.1 | 239.1 | 229.7 | 218.3 |
| 140° | 221.3 | 231.2 | 240.6 | 246.3 | 249.4 | 249.7 | 249.4 | 246.3 | 240.6 | 231.2 | 221.3 |
| 142.5° | 225.3 | 233.0 | 241.3 | 246.9 | 250.0 | 250.7 | 250.0 | 246.9 | 241.3 | 233.0 | 225.3 |
| 145° | 232.3 | 236.9 | 242.5 | 247.8 | 250.5 | 251.3 | 250.5 | 247.8 | 242.5 | 236.9 | 232.3 |
| 147.5° | 241.2 | 242.6 | 245.6 | 249.1 | 251.6 | 252.2 | 251.6 | 249.1 | 245.6 | 242.6 | 241.2 |
| 150° | 247.8 | 247.5 | 248.6 | 250.9 | 253.2 | 252.8 | 253.2 | 250.9 | 248.6 | 247.5 | 247.8 |
| 152.5° | 255.4 | 253.2 | 253.2 | 254.2 | 255.3 | 255.2 | 255.3 | 254.2 | 253.2 | 253.2 | 255.4 |
| 155° | 268.3 | 264.1 | 261.9 | 261.1 | 261.1 | 260.7 | 261.1 | 261.1 | 261.9 | 264.1 | 268.3 |
| 157.5° | 282.5 | 276.6 | 273.2 | 271.4 | 270.9 | 270.1 | 270.9 | 271.4 | 273.2 | 276.6 | 282.5 |
| 160° | 292.2 | 285.7 | 282.3 | 279.3 | 278.2 | 277.0 | 278.2 | 279.3 | 282.3 | 285.7 | 292.2 |
| 162.5° | 301.3 | 295.1 | 291.4 | 288.7 | 287.6 | 285.8 | 287.6 | 288.7 | 291.4 | 295.1 | 301.3 |
| 165° | 316.1 | 309.6 | 305.4 | 303.2 | 301.7 | 300.1 | 301.7 | 303.2 | 305.4 | 309.6 | 316.1 |
| 167.5° | 330.8 | 323.8 | 321.1 | 318.5 | 317.0 | 314.3 | 317.0 | 318.5 | 321.1 | 323.8 | 330.8 |
| 170° | 339.9 | 333.5 | 332.0 | 329.7 | 327.1 | 324.0 | 327.1 | 329.7 | 332.0 | 333.5 | 339.9 |
| 172.5° | 347.8 | 343.5 | 342.0 | 339.7 | 338.9 | 336.4 | 338.9 | 339.7 | 342.0 | 343.5 | 347.8 |
| 175° | 359.3 | 355.9 | 355.9 | 355.5 | 354.3 | 352.1 | 354.3 | 355.5 | 355.9 | 355.9 | 359.3 |
| 177.5° | 368.8 | 367.0 | 368.2 | 368.2 | 367.9 | 365.8 | 367.9 | 368.2 | 368.2 | 367.0 | 368.8 |
| 180° | 375.2 | 375.2 | 375.2 | 375.2 | 375.2 | 375.2 | 375.2 | 375.2 | 375.2 | 375.2 | 375.2 |



TEST NUMBER: P1435920

CATALOG NUMBER: SQ2W-FB-K-025U-100D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 330° | 340° | 350° | 360° |
|--------|--------|-------|-------|-------|
| 0° | 456.5 | 456.5 | 456.5 | 456.5 |
| 2.5° | 479.4 | 470.2 | 461.6 | 453.0 |
| 5° | 544.3 | 501.9 | 472.6 | 443.4 |
| 7.5° | 671.4 | 545.3 | 485.8 | 426.3 |
| 10° | 790.2 | 576.3 | 493.4 | 410.5 |
| 12.5° | 882.1 | 618.0 | 505.5 | 392.9 |
| 15° | 984.8 | 686.3 | 525.3 | 364.4 |
| 17.5° | 1067.9 | 763.4 | 549.2 | 334.9 |
| 20° | 1122.3 | 817.2 | 565.6 | 313.9 |
| 22.5° | 1162.7 | 857.2 | 575.9 | 294.6 |
| 25° | 1206.5 | 901.9 | 584.8 | 267.8 |
| 27.5° | 1212.6 | 911.9 | 576.9 | 241.9 |
| 30° | 1205.0 | 907.0 | 566.5 | 226.1 |
| 32.5° | 1190.4 | 896.1 | 554.1 | 212.0 |
| 35° | 1155.3 | 864.1 | 527.5 | 191.0 |
| 37.5° | 1102.3 | 814.1 | 493.5 | 173.0 |
| 40° | 1063.1 | 777.0 | 469.7 | 162.4 |
| 42.5° | 1017.4 | 733.7 | 442.8 | 151.9 |
| 45° | 942.4 | 661.2 | 399.7 | 138.3 |
| 47.5° | 862.2 | 579.8 | 352.7 | 125.6 |
| 50° | 807.7 | 524.3 | 321.4 | 118.5 |
| 52.5° | 754.5 | 470.5 | 291.0 | 111.5 |
| 55° | 676.8 | 395.8 | 249.5 | 103.2 |
| 57.5° | 603.9 | 331.8 | 213.7 | 95.7 |
| 60° | 558.2 | 297.0 | 194.6 | 92.2 |
| 62.5° | 512.6 | 265.2 | 176.1 | 86.9 |
| 65° | 448.5 | 225.6 | 153.4 | 81.2 |
| 67.5° | 389.8 | 195.8 | 134.6 | 73.3 |
| 70° | 354.1 | 181.2 | 124.6 | 68.0 |
| 72.5° | 314.9 | 165.2 | 114.9 | 64.5 |
| 75° | 251.7 | 139.0 | 98.0 | 57.1 |
| 77.5° | 177.1 | 107.8 | 77.2 | 46.5 |
| 80° | 115.6 | 88.3 | 63.9 | 39.5 |
| 82.5° | 85.2 | 68.8 | 50.6 | 32.5 |
| 85° | 47.6 | 41.2 | 30.5 | 19.8 |
| 87.5° | 14.8 | 15.7 | 11.5 | 7.3 |
| 90° | 6.8 | 4.2 | 2.7 | 1.1 |
| 92.5° | 14.7 | 10.2 | 7.2 | 4.2 |
| 95° | 29.6 | 23.5 | 16.7 | 11.7 |
| 97.5° | 47.1 | 37.3 | 30.5 | 22.4 |
| 100° | 56.5 | 47.0 | 40.5 | 31.8 |
| 102.5° | 66.8 | 58.8 | 49.9 | 41.2 |
| 105° | 85.3 | 75.4 | 65.2 | 55.3 |
| 107.5° | 102.4 | 91.6 | 79.3 | 70.4 |
| 110° | 113.3 | 101.6 | 88.7 | 80.7 |



TEST NUMBER: P1435920

CATALOG NUMBER: SQ2W-FB-K-025U-100D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 330° | 340° | 350° | 360° |
|--------|-------|-------|-------|-------|
| 112.5° | 123.9 | 111.9 | 98.7 | 90.7 |
| 115° | 138.3 | 125.1 | 112.9 | 106.1 |
| 117.5° | 152.2 | 138.6 | 125.7 | 120.4 |
| 120° | 160.7 | 147.0 | 134.5 | 130.4 |
| 122.5° | 167.7 | 154.3 | 142.7 | 141.0 |
| 125° | 178.1 | 164.5 | 154.6 | 156.9 |
| 127.5° | 186.6 | 174.1 | 167.9 | 173.0 |
| 130° | 191.8 | 180.8 | 177.0 | 184.2 |
| 132.5° | 196.3 | 187.7 | 186.1 | 196.0 |
| 135° | 203.1 | 198.2 | 199.7 | 213.4 |
| 137.5° | 211.2 | 209.3 | 214.4 | 231.6 |
| 140° | 216.4 | 217.5 | 224.7 | 244.1 |
| 142.5° | 223.4 | 226.0 | 235.3 | 255.9 |
| 145° | 234.2 | 239.9 | 252.0 | 272.5 |
| 147.5° | 246.5 | 253.8 | 268.8 | 289.8 |
| 150° | 254.7 | 264.1 | 280.1 | 300.1 |
| 152.5° | 264.1 | 273.8 | 289.8 | 310.1 |
| 155° | 278.5 | 289.5 | 306.2 | 323.6 |
| 157.5° | 293.3 | 304.5 | 320.5 | 335.7 |
| 160° | 302.4 | 314.5 | 328.9 | 343.0 |
| 162.5° | 312.7 | 323.9 | 336.5 | 349.0 |
| 165° | 327.8 | 336.9 | 347.1 | 357.7 |
| 167.5° | 340.5 | 348.0 | 356.1 | 364.3 |
| 170° | 348.7 | 354.7 | 361.5 | 368.0 |
| 172.5° | 355.6 | 360.5 | 365.5 | 371.0 |
| 175° | 364.9 | 367.6 | 370.6 | 374.0 |
| 177.5° | 372.1 | 373.1 | 374.0 | 375.5 |
| 180° | 375.2 | 375.2 | 375.2 | 375.2 |



TEST NUMBER: P1435920
 CATALOG NUMBER: SQ2W-FB-K-025U-100D-L835-UNV-STD-W-WM-4

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 | 15.53 | 16.80 | 16.17 | 17.46 | 18.22 | 25.13 | 26.40 | 25.76 | 27.06 | 27.81 |
| | 3H | 16.50 | 17.65 | 17.15 | 18.31 | 19.10 | 26.76 | 27.91 | 27.42 | 28.58 | 29.37 |
| | 4H | 16.92 | 18.00 | 17.59 | 18.68 | 19.48 | 26.96 | 28.04 | 27.63 | 28.72 | 29.52 |
| | 6H | 17.19 | 18.19 | 17.88 | 18.88 | 19.70 | 27.06 | 28.06 | 27.74 | 28.75 | 29.56 |
| | 8H | 17.30 | 18.25 | 17.99 | 18.96 | 19.78 | 27.09 | 28.04 | 27.78 | 28.75 | 29.57 |
| | 12H | 17.36 | 18.27 | 18.06 | 18.98 | 19.83 | 27.08 | 27.99 | 27.78 | 28.69 | 29.54 |
| 4H | 2H | 20.30 | 21.38 | 20.97 | 22.06 | 22.86 | 25.54 | 26.63 | 26.22 | 27.30 | 28.11 |
| | 3H | 21.47 | 22.37 | 22.16 | 23.09 | 23.91 | 27.47 | 28.37 | 28.16 | 29.09 | 29.91 |
| | 4H | 21.77 | 22.59 | 22.47 | 23.31 | 24.16 | 27.71 | 28.53 | 28.41 | 29.25 | 30.10 |
| | 6H | 21.93 | 22.64 | 22.65 | 23.38 | 24.24 | 27.87 | 28.58 | 28.59 | 29.32 | 30.18 |
| | 8H | 21.98 | 22.64 | 22.71 | 23.38 | 24.26 | 27.92 | 28.59 | 28.65 | 29.33 | 30.20 |
| | 12H | 22.00 | 22.60 | 22.75 | 23.36 | 24.24 | 27.92 | 28.52 | 28.67 | 29.29 | 30.17 |
| 8H | 4H | 23.00 | 23.66 | 23.73 | 24.40 | 25.28 | 27.84 | 28.50 | 28.57 | 29.24 | 30.12 |
| | 6H | 23.27 | 23.82 | 24.03 | 24.61 | 25.48 | 28.05 | 28.60 | 28.81 | 29.39 | 30.26 |
| | 8H | 23.38 | 23.87 | 24.15 | 24.65 | 25.54 | 28.15 | 28.64 | 28.92 | 29.42 | 30.31 |
| | 12H | 23.44 | 23.87 | 24.21 | 24.64 | 25.60 | 28.17 | 28.60 | 28.95 | 29.38 | 30.33 |
| 12H | 4H | 23.04 | 23.64 | 23.79 | 24.40 | 25.28 | 27.81 | 28.41 | 28.56 | 29.17 | 30.05 |
| | 6H | 23.39 | 23.88 | 24.16 | 24.66 | 25.55 | 28.04 | 28.53 | 28.81 | 29.32 | 30.21 |
| | 8H | 23.54 | 23.97 | 24.32 | 24.75 | 25.70 | 28.16 | 28.59 | 28.94 | 29.37 | 30.32 |