

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: P1427907

Luminaire Tested: SQ2W-PH1-K-075U-100D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1427907  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/10/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ2W-PH1-K-075U-100D-L935-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - PERCEIVE HEX LENS  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 1000 LUMENS PER FOOT  
UPLIGHT 750 LUMENS PER FOOT  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

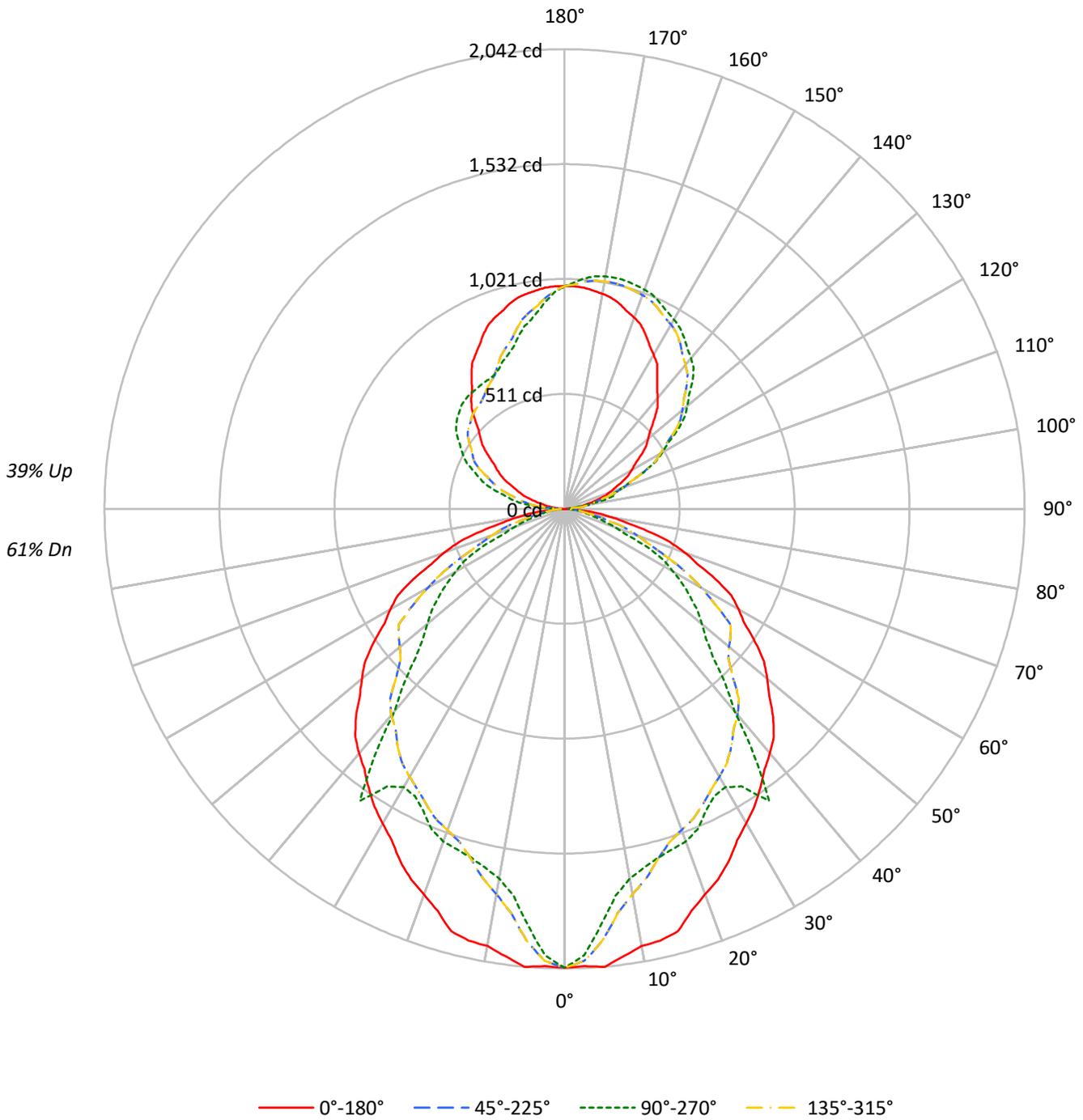
Lumens per Lamp: N/A  
Luminaire Lumens: 7399.0 lumens  
Efficiency: N/A  
Efficacy: 120.9 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.02 / 1.23  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 61.2  
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: P1427907

CATALOG NUMBER: SQ2W-PH1-K-075U-100D-L935-UNV-STD-W-WM-4

### Luminous Intensity Polar Plot





TEST NUMBER: P1427907

CATALOG NUMBER: SQ2W-PH1-K-075U-100D-L935-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 | 50 | 30 | 10 | 0  |  |   |
| RCR |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |   |
| 0   | 110 | 110 | 110 | 110 | 103 | 103 | 103 | 103 | 89 | 89 | 89 | 77 | 77 | 77 | 66 | 66 | 66 | 66 | 66 | 66 | 66 | 66 | 66 | 61 |  |   |
| 1   | 101 | 96  | 92  | 89  | 94  | 90  | 87  | 84  | 79 | 76 | 74 | 69 | 67 | 65 | 59 | 58 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 52 |  |   |
| 2   | 92  | 84  | 78  | 73  | 86  | 79  | 74  | 69  | 69 | 65 | 62 | 60 | 57 | 55 | 52 | 50 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 44 |  |   |
| 3   | 84  | 74  | 67  | 61  | 78  | 70  | 63  | 58  | 61 | 56 | 52 | 54 | 50 | 46 | 46 | 43 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 37 |  |   |
| 4   | 77  | 66  | 58  | 52  | 71  | 62  | 55  | 49  | 55 | 49 | 44 | 48 | 43 | 40 | 41 | 38 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 32 |  |   |
| 5   | 70  | 59  | 50  | 44  | 66  | 55  | 48  | 42  | 49 | 43 | 38 | 43 | 38 | 35 | 37 | 34 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 28 |  |   |
| 6   | 65  | 53  | 45  | 39  | 61  | 50  | 42  | 37  | 44 | 38 | 34 | 39 | 34 | 30 | 34 | 30 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 24 |  |   |
| 7   | 60  | 48  | 40  | 34  | 56  | 45  | 38  | 33  | 40 | 34 | 30 | 35 | 31 | 27 | 31 | 27 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 22 |  |   |
| 8   | 56  | 43  | 36  | 30  | 52  | 41  | 34  | 29  | 37 | 31 | 26 | 32 | 28 | 24 | 28 | 25 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 19 |  |   |
| 9   | 52  | 40  | 32  | 27  | 49  | 38  | 31  | 26  | 34 | 28 | 24 | 30 | 25 | 22 | 26 | 22 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 18 |  |   |
| 10  | 49  | 36  | 29  | 24  | 46  | 35  | 28  | 23  | 31 | 25 | 21 | 28 | 23 | 20 | 24 | 21 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 16 |  |   |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 32913 | 32913 | 32913 | 32913 |
| 5°  | 33102 | 30084 | 33102 | 30084 |
| 10° | 32338 | 27346 | 32338 | 27346 |
| 15° | 32484 | 26811 | 32484 | 26811 |
| 20° | 31326 | 27027 | 31326 | 27027 |
| 25° | 30752 | 26398 | 30752 | 26398 |
| 30° | 30085 | 26613 | 30085 | 26613 |
| 35° | 29857 | 31195 | 29857 | 31195 |
| 40° | 29882 | 24731 | 29882 | 24731 |
| 45° | 29893 | 21301 | 29893 | 21301 |
| 50° | 29473 | 19974 | 29473 | 19974 |
| 55° | 29100 | 19164 | 29100 | 19164 |
| 60° | 28810 | 17976 | 28810 | 17976 |
| 65° | 28305 | 15633 | 28305 | 15633 |
| 70° | 26738 | 11169 | 26738 | 11169 |
| 75° | 23836 | 8471  | 23836 | 8471  |
| 80° | 19479 | 7931  | 19479 | 7931  |
| 85° | 12208 | 5391  | 12208 | 5391  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 29893 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 179.4  | 2.4       |
| 10°-20°   | 471.8  | 6.4       |
| 20°-30°   | 691.7  | 9.3       |
| 30°-40°   | 837.6  | 11.3      |
| 40°-50°   | 823.6  | 11.1      |
| 50°-60°   | 716.4  | 9.7       |
| 60°-70°   | 498.3  | 6.7       |
| 70°-80°   | 236.3  | 3.2       |
| 80°-90°   | 56.2   | 0.8       |
| 90°-100°  | 78.7   | 1.1       |
| 100°-110° | 229.5  | 3.1       |
| 110°-120° | 374.6  | 5.1       |
| 120°-130° | 475.3  | 6.4       |
| 130°-140° | 508.6  | 6.9       |
| 140°-150° | 474.9  | 6.4       |
| 150°-160° | 390.8  | 5.3       |
| 160°-170° | 262.1  | 3.5       |
| 170°-180° | 93.1   | 1.3       |
| 0°-30°    | 1342.9 | 18.1      |
| 0°-40°    | 2180.5 | 29.5      |
| 0°-60°    | 3720.6 | 50.3      |
| 0°-90°    | 4511.4 | 61.0      |
| 90°-120°  | 682.8  | 9.2       |
| 90°-150°  | 2141.7 | 28.9      |
| 90°-180°  | 2888.0 | 39.0      |
| 0°-180°   | 7399.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 2038 | 2038 | 2038 | 2038 | 2038 |      |
| 5°   | 2042 | 1856 | 2042 | 1856 | 2042 | 192  |
| 15°  | 1943 | 1604 | 1943 | 1604 | 1943 | 542  |
| 25°  | 1726 | 1482 | 1726 | 1482 | 1726 | 794  |
| 35°  | 1515 | 1583 | 1515 | 1583 | 1515 | 949  |
| 45°  | 1309 | 933  | 1309 | 933  | 1309 | 1006 |
| 55°  | 1034 | 681  | 1034 | 681  | 1034 | 924  |
| 65°  | 741  | 409  | 741  | 409  | 741  | 728  |
| 75°  | 382  | 136  | 382  | 136  | 382  | 405  |
| 85°  | 66   | 29   | 66   | 29   | 66   | 88   |
| 90°  | 3    | 22   | 3    | 43   | 3    | 4    |
| 95°  | 31   | 23   | 31   | 135  | 31   | 37   |
| 105° | 146  | 234  | 146  | 322  | 146  | 155  |
| 115° | 280  | 388  | 280  | 478  | 280  | 276  |
| 125° | 414  | 614  | 414  | 585  | 414  | 370  |
| 135° | 562  | 804  | 562  | 648  | 562  | 435  |
| 145° | 718  | 927  | 718  | 662  | 718  | 449  |
| 155° | 853  | 1007 | 853  | 687  | 853  | 392  |
| 165° | 943  | 1050 | 943  | 791  | 943  | 265  |
| 175° | 986  | 1028 | 986  | 928  | 986  | 94   |
| 180° | 989  | 989  | 989  | 989  | 989  |      |



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CATALOG NUMBER: SQ2W-PH1-K-075U-100D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 10°    | 20°    | 30°    | 40°    | 50°    | 60°    | 70°    | 80°    | 90°    | 100°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2038.5 | 2038.5 | 2038.5 | 2038.5 | 2038.5 | 2038.5 | 2038.5 | 2038.5 | 2038.5 | 2038.5 | 2038.5 |
| 2.5°   | 2033.8 | 2043.5 | 2053.1 | 2039.5 | 2018.1 | 2003.3 | 1995.0 | 1988.5 | 1987.1 | 1985.7 | 1987.1 |
| 5°     | 2042.4 | 2041.5 | 2040.6 | 2000.3 | 1946.9 | 1906.8 | 1880.1 | 1859.6 | 1857.9 | 1856.2 | 1857.9 |
| 7.5°   | 2005.1 | 1978.4 | 1951.7 | 1897.5 | 1834.3 | 1787.9 | 1758.4 | 1736.0 | 1734.6 | 1733.2 | 1734.6 |
| 10°    | 1972.5 | 1932.0 | 1891.5 | 1830.3 | 1762.2 | 1714.8 | 1688.1 | 1668.0 | 1668.0 | 1668.0 | 1668.0 |
| 12.5°  | 1964.8 | 1900.8 | 1836.9 | 1769.8 | 1701.7 | 1657.7 | 1637.9 | 1624.1 | 1628.2 | 1632.3 | 1628.2 |
| 15°    | 1943.4 | 1846.9 | 1750.3 | 1682.2 | 1623.6 | 1591.7 | 1586.6 | 1585.1 | 1594.5 | 1604.0 | 1594.5 |
| 17.5°  | 1872.8 | 1768.9 | 1664.9 | 1605.1 | 1559.9 | 1542.8 | 1553.9 | 1564.9 | 1575.9 | 1587.0 | 1575.9 |
| 20°    | 1823.2 | 1720.6 | 1618.0 | 1562.6 | 1523.0 | 1513.5 | 1534.2 | 1552.3 | 1562.6 | 1573.0 | 1562.6 |
| 22.5°  | 1781.3 | 1677.3 | 1573.4 | 1524.4 | 1493.7 | 1489.7 | 1512.5 | 1530.9 | 1536.4 | 1542.0 | 1536.4 |
| 25°    | 1726.2 | 1609.0 | 1491.7 | 1456.0 | 1447.3 | 1452.9 | 1472.8 | 1487.0 | 1484.4 | 1481.8 | 1484.4 |
| 27.5°  | 1660.3 | 1537.9 | 1415.5 | 1392.5 | 1402.7 | 1413.8 | 1425.8 | 1435.3 | 1436.8 | 1438.4 | 1436.8 |
| 30°    | 1613.7 | 1491.3 | 1368.9 | 1350.6 | 1367.0 | 1381.2 | 1393.3 | 1405.1 | 1416.3 | 1427.5 | 1416.3 |
| 32.5°  | 1568.7 | 1442.2 | 1315.6 | 1302.5 | 1327.1 | 1353.8 | 1382.4 | 1410.3 | 1436.0 | 1461.7 | 1436.0 |
| 35°    | 1514.8 | 1382.9 | 1251.0 | 1240.7 | 1270.8 | 1309.6 | 1357.0 | 1413.7 | 1498.2 | 1582.7 | 1498.2 |
| 37.5°  | 1458.2 | 1316.8 | 1175.4 | 1170.7 | 1211.6 | 1252.4 | 1293.3 | 1330.7 | 1357.6 | 1384.5 | 1357.6 |
| 40°    | 1417.8 | 1269.6 | 1121.3 | 1121.1 | 1170.2 | 1221.1 | 1273.6 | 1297.6 | 1235.5 | 1173.4 | 1235.5 |
| 42.5°  | 1374.4 | 1226.1 | 1077.8 | 1073.5 | 1117.1 | 1173.1 | 1241.6 | 1266.7 | 1161.9 | 1057.1 | 1161.9 |
| 45°    | 1309.2 | 1154.9 | 1000.6 | 995.0  | 1039.0 | 1070.0 | 1088.1 | 1082.9 | 1007.9 | 932.9  | 1007.9 |
| 47.5°  | 1232.4 | 1085.3 | 938.3  | 937.1  | 984.5  | 987.9  | 947.4  | 909.7  | 880.4  | 851.1  | 880.4  |
| 50°    | 1173.4 | 1034.7 | 895.9  | 901.9  | 956.2  | 951.0  | 886.4  | 833.2  | 814.2  | 795.2  | 814.2  |
| 52.5°  | 1116.0 | 984.1  | 852.2  | 868.3  | 933.6  | 923.3  | 837.2  | 769.5  | 756.8  | 744.0  | 756.8  |
| 55°    | 1033.8 | 907.1  | 780.4  | 816.6  | 907.1  | 893.3  | 775.2  | 686.0  | 683.4  | 680.8  | 683.4  |
| 57.5°  | 946.5  | 826.7  | 706.9  | 732.0  | 805.4  | 791.0  | 688.5  | 612.9  | 617.3  | 621.8  | 617.3  |
| 60°    | 892.2  | 775.8  | 659.5  | 662.7  | 705.8  | 692.0  | 621.3  | 567.0  | 561.8  | 556.7  | 561.8  |
| 62.5°  | 834.8  | 723.9  | 613.1  | 597.0  | 612.5  | 596.3  | 548.4  | 511.1  | 506.0  | 500.8  | 506.0  |
| 65°    | 740.9  | 640.1  | 539.2  | 508.8  | 501.9  | 478.6  | 439.0  | 409.2  | 409.2  | 409.2  | 409.2  |
| 67.5°  | 637.7  | 549.8  | 461.9  | 427.9  | 411.8  | 388.7  | 358.6  | 330.8  | 310.1  | 289.4  | 310.1  |
| 70°    | 566.4  | 488.8  | 411.2  | 375.6  | 354.1  | 326.5  | 292.9  | 264.2  | 250.4  | 236.6  | 250.4  |
| 72.5°  | 490.3  | 423.8  | 357.2  | 320.8  | 294.4  | 267.5  | 240.1  | 215.6  | 199.7  | 183.9  | 199.7  |
| 75°    | 382.1  | 328.6  | 275.2  | 239.9  | 210.6  | 183.4  | 158.4  | 139.2  | 137.5  | 135.8  | 137.5  |
| 77.5°  | 276.2  | 237.2  | 198.3  | 169.6  | 144.5  | 125.6  | 113.0  | 103.6  | 103.8  | 104.0  | 103.8  |
| 80°    | 209.5  | 180.2  | 150.9  | 124.1  | 98.3   | 84.9   | 84.0   | 83.6   | 84.5   | 85.3   | 84.5   |
| 82.5°  | 147.4  | 125.7  | 104.0  | 86.9   | 71.4   | 64.2   | 65.4   | 66.4   | 66.5   | 66.7   | 66.5   |
| 85°    | 65.9   | 55.6   | 45.3   | 41.4   | 39.7   | 37.1   | 33.6   | 30.8   | 30.0   | 29.1   | 30.0   |
| 87.5°  | 14.6   | 14.7   | 15.0   | 14.1   | 12.6   | 11.8   | 11.8   | 12.0   | 12.2   | 12.2   | 12.2   |
| 90°    | 3.0    | 7.0    | 12.0   | 16.0   | 19.0   | 20.0   | 20.0   | 21.0   | 22.0   | 22.0   | 22.0   |
| 92.5°  | 11.0   | 17.4   | 17.6   | 17.6   | 21.4   | 23.2   | 24.8   | 25.0   | 26.0   | 26.0   | 26.0   |
| 95°    | 31.0   | 34.0   | 50.9   | 49.9   | 34.0   | 27.0   | 23.0   | 23.0   | 23.0   | 23.0   | 23.0   |
| 97.5°  | 59.1   | 63.5   | 66.3   | 88.9   | 93.9   | 90.7   | 73.9   | 62.1   | 55.5   | 52.5   | 55.5   |
| 100°   | 83.9   | 85.9   | 91.9   | 92.9   | 117.9  | 141.9  | 129.9  | 114.9  | 109.9  | 106.9  | 109.9  |
| 102.5° | 108.7  | 109.9  | 119.1  | 123.3  | 129.1  | 142.7  | 184.2  | 179.6  | 176.2  | 175.6  | 176.2  |
| 105°   | 145.8  | 146.8  | 163.8  | 171.8  | 175.8  | 175.8  | 174.8  | 194.8  | 226.8  | 233.8  | 226.8  |
| 107.5° | 185.6  | 190.2  | 210.2  | 231.6  | 236.2  | 237.4  | 232.2  | 229.2  | 228.0  | 228.8  | 228.0  |
| 110°   | 212.8  | 219.8  | 243.7  | 270.7  | 277.7  | 279.7  | 277.7  | 274.7  | 272.7  | 272.7  | 272.7  |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 10°   | 20°    | 30°    | 40°    | 50°    | 60°    | 70°    | 80°    | 90°    | 100°   |
|--------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 239.2 | 249.3 | 276.5  | 307.5  | 319.3  | 325.3  | 320.9  | 318.7  | 316.7  | 318.3  | 316.7  |
| 115°   | 279.7 | 294.7 | 330.7  | 362.6  | 386.6  | 389.6  | 388.6  | 388.6  | 387.6  | 387.6  | 387.6  |
| 117.5° | 317.3 | 341.2 | 381.6  | 418.8  | 446.5  | 454.5  | 458.5  | 457.3  | 456.1  | 458.1  | 456.1  |
| 120°   | 343.6 | 371.6 | 417.6  | 459.5  | 486.5  | 498.5  | 502.5  | 500.5  | 502.5  | 500.5  | 502.5  |
| 122.5° | 371.6 | 406.0 | 451.1  | 494.7  | 526.5  | 540.0  | 544.8  | 545.2  | 545.6  | 544.4  | 545.6  |
| 125°   | 413.6 | 455.5 | 508.5  | 553.4  | 586.4  | 602.4  | 606.4  | 607.4  | 609.4  | 614.4  | 609.4  |
| 127.5° | 455.9 | 503.5 | 561.6  | 605.0  | 638.7  | 658.1  | 664.3  | 666.5  | 670.7  | 672.9  | 670.7  |
| 130°   | 485.5 | 539.4 | 598.4  | 639.3  | 672.3  | 693.3  | 704.3  | 707.3  | 712.3  | 711.3  | 712.3  |
| 132.5° | 516.7 | 573.0 | 632.7  | 675.3  | 705.9  | 728.4  | 737.8  | 746.4  | 748.2  | 749.6  | 748.2  |
| 135°   | 562.4 | 623.4 | 683.3  | 725.3  | 754.2  | 776.2  | 788.2  | 796.2  | 801.2  | 804.2  | 801.2  |
| 137.5° | 610.6 | 674.9 | 732.4  | 769.8  | 799.0  | 818.0  | 831.5  | 839.9  | 845.1  | 847.5  | 845.1  |
| 140°   | 643.3 | 705.3 | 761.2  | 800.2  | 826.1  | 845.1  | 857.1  | 867.1  | 873.1  | 873.1  | 873.1  |
| 142.5° | 674.5 | 735.6 | 790.0  | 828.9  | 851.7  | 869.1  | 881.9  | 889.5  | 896.3  | 896.3  | 896.3  |
| 145°   | 718.3 | 779.2 | 829.1  | 868.1  | 887.1  | 903.1  | 917.1  | 923.0  | 927.0  | 927.0  | 927.0  |
| 147.5° | 764.0 | 818.0 | 863.5  | 900.9  | 916.9  | 935.6  | 946.6  | 951.4  | 956.4  | 954.2  | 956.4  |
| 150°   | 791.2 | 841.1 | 885.1  | 920.1  | 936.0  | 954.0  | 965.0  | 969.0  | 974.0  | 971.0  | 974.0  |
| 152.5° | 817.6 | 865.1 | 905.1  | 937.6  | 951.2  | 969.2  | 981.8  | 985.8  | 989.2  | 987.0  | 989.2  |
| 155°   | 853.1 | 895.1 | 932.0  | 962.0  | 974.0  | 991.0  | 1003.0 | 1008.0 | 1012.0 | 1007.0 | 1012.0 |
| 157.5° | 884.9 | 921.0 | 953.2  | 980.8  | 993.6  | 1008.2 | 1019.3 | 1025.5 | 1029.5 | 1027.3 | 1029.5 |
| 160°   | 904.1 | 937.0 | 966.0  | 992.0  | 1004.0 | 1017.0 | 1028.9 | 1035.9 | 1039.9 | 1036.9 | 1039.9 |
| 162.5° | 920.1 | 949.8 | 977.2  | 1000.8 | 1011.2 | 1022.5 | 1036.9 | 1043.1 | 1047.1 | 1043.3 | 1047.1 |
| 165°   | 943.0 | 967.0 | 991.0  | 1011.0 | 1019.9 | 1028.9 | 1043.9 | 1050.9 | 1053.9 | 1049.9 | 1053.9 |
| 167.5° | 960.4 | 978.8 | 998.2  | 1015.4 | 1021.9 | 1030.7 | 1045.7 | 1051.5 | 1055.3 | 1050.3 | 1055.3 |
| 170°   | 970.0 | 986.0 | 1003.0 | 1017.0 | 1021.9 | 1029.9 | 1044.9 | 1049.9 | 1052.9 | 1047.9 | 1052.9 |
| 172.5° | 978.0 | 990.0 | 1003.8 | 1016.2 | 1018.7 | 1025.1 | 1039.3 | 1044.3 | 1046.5 | 1042.3 | 1046.5 |
| 175°   | 986.0 | 993.0 | 1003.0 | 1011.0 | 1010.0 | 1014.0 | 1025.9 | 1029.9 | 1033.9 | 1027.9 | 1033.9 |
| 177.5° | 989.8 | 993.0 | 996.2  | 1001.0 | 997.8  | 997.8  | 1006.6 | 1009.0 | 1009.8 | 1006.6 | 1009.8 |
| 180°   | 989.0 | 989.0 | 989.0  | 989.0  | 989.0  | 989.0  | 989.0  | 989.0  | 989.0  | 989.0  | 989.0  |



TEST NUMBER: P1427907

CATALOG NUMBER: SQ2W-PH1-K-075U-100D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

|        | 110°   | 120°   | 130°   | 140°   | 150°   | 160°   | 170°   | 180°   | 190°   | 200°   | 210°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2038.5 | 2038.5 | 2038.5 | 2038.5 | 2038.5 | 2038.5 | 2038.5 | 2038.5 | 2038.5 | 2038.5 | 2038.5 |
| 2.5°   | 1988.5 | 1995.0 | 2003.3 | 2018.1 | 2039.5 | 2053.1 | 2043.5 | 2033.8 | 2043.5 | 2053.1 | 2039.5 |
| 5°     | 1859.6 | 1880.1 | 1906.8 | 1946.9 | 2000.3 | 2040.6 | 2041.5 | 2042.4 | 2041.5 | 2040.6 | 2000.3 |
| 7.5°   | 1736.0 | 1758.4 | 1787.9 | 1834.3 | 1897.5 | 1951.7 | 1978.4 | 2005.1 | 1978.4 | 1951.7 | 1897.5 |
| 10°    | 1668.0 | 1688.1 | 1714.8 | 1762.2 | 1830.3 | 1891.5 | 1932.0 | 1972.5 | 1932.0 | 1891.5 | 1830.3 |
| 12.5°  | 1624.1 | 1637.9 | 1657.7 | 1701.7 | 1769.8 | 1836.9 | 1900.8 | 1964.8 | 1900.8 | 1836.9 | 1769.8 |
| 15°    | 1585.1 | 1586.6 | 1591.7 | 1623.6 | 1682.2 | 1750.3 | 1846.9 | 1943.4 | 1846.9 | 1750.3 | 1682.2 |
| 17.5°  | 1564.9 | 1553.9 | 1542.8 | 1559.9 | 1605.1 | 1664.9 | 1768.9 | 1872.8 | 1768.9 | 1664.9 | 1605.1 |
| 20°    | 1552.3 | 1534.2 | 1513.5 | 1523.0 | 1562.6 | 1618.0 | 1720.6 | 1823.2 | 1720.6 | 1618.0 | 1562.6 |
| 22.5°  | 1530.9 | 1512.5 | 1489.7 | 1493.7 | 1524.4 | 1573.4 | 1677.3 | 1781.3 | 1677.3 | 1573.4 | 1524.4 |
| 25°    | 1487.0 | 1472.8 | 1452.9 | 1447.3 | 1456.0 | 1491.7 | 1609.0 | 1726.2 | 1609.0 | 1491.7 | 1456.0 |
| 27.5°  | 1435.3 | 1425.8 | 1413.8 | 1402.7 | 1392.5 | 1415.5 | 1537.9 | 1660.3 | 1537.9 | 1415.5 | 1392.5 |
| 30°    | 1405.1 | 1393.3 | 1381.2 | 1367.0 | 1350.6 | 1368.9 | 1491.3 | 1613.7 | 1491.3 | 1368.9 | 1350.6 |
| 32.5°  | 1410.3 | 1382.4 | 1353.8 | 1327.1 | 1302.5 | 1315.6 | 1442.2 | 1568.7 | 1442.2 | 1315.6 | 1302.5 |
| 35°    | 1413.7 | 1357.0 | 1309.6 | 1270.8 | 1240.7 | 1251.0 | 1382.9 | 1514.8 | 1382.9 | 1251.0 | 1240.7 |
| 37.5°  | 1330.7 | 1293.3 | 1252.4 | 1211.6 | 1170.7 | 1175.4 | 1316.8 | 1458.2 | 1316.8 | 1175.4 | 1170.7 |
| 40°    | 1297.6 | 1273.6 | 1221.1 | 1170.2 | 1121.1 | 1121.3 | 1269.6 | 1417.8 | 1269.6 | 1121.3 | 1121.1 |
| 42.5°  | 1266.7 | 1241.6 | 1173.1 | 1117.1 | 1073.5 | 1077.8 | 1226.1 | 1374.4 | 1226.1 | 1077.8 | 1073.5 |
| 45°    | 1082.9 | 1088.1 | 1070.0 | 1039.0 | 995.0  | 1000.6 | 1154.9 | 1309.2 | 1154.9 | 1000.6 | 995.0  |
| 47.5°  | 909.7  | 947.4  | 987.9  | 984.5  | 937.1  | 938.3  | 1085.3 | 1232.4 | 1085.3 | 938.3  | 937.1  |
| 50°    | 833.2  | 886.4  | 951.0  | 956.2  | 901.9  | 895.9  | 1034.7 | 1173.4 | 1034.7 | 895.9  | 901.9  |
| 52.5°  | 769.5  | 837.2  | 923.3  | 933.6  | 868.3  | 852.2  | 984.1  | 1116.0 | 984.1  | 852.2  | 868.3  |
| 55°    | 686.0  | 775.2  | 893.3  | 907.1  | 816.6  | 780.4  | 907.1  | 1033.8 | 907.1  | 780.4  | 816.6  |
| 57.5°  | 612.9  | 688.5  | 791.0  | 805.4  | 732.0  | 706.9  | 826.7  | 946.5  | 826.7  | 706.9  | 732.0  |
| 60°    | 567.0  | 621.3  | 692.0  | 705.8  | 662.7  | 659.5  | 775.8  | 892.2  | 775.8  | 659.5  | 662.7  |
| 62.5°  | 511.1  | 548.4  | 596.3  | 612.5  | 597.0  | 613.1  | 723.9  | 834.8  | 723.9  | 613.1  | 597.0  |
| 65°    | 409.2  | 439.0  | 478.6  | 501.9  | 508.8  | 539.2  | 640.1  | 740.9  | 640.1  | 539.2  | 508.8  |
| 67.5°  | 330.8  | 358.6  | 388.7  | 411.8  | 427.9  | 461.9  | 549.8  | 637.7  | 549.8  | 461.9  | 427.9  |
| 70°    | 264.2  | 292.9  | 326.5  | 354.1  | 375.6  | 411.2  | 488.8  | 566.4  | 488.8  | 411.2  | 375.6  |
| 72.5°  | 215.6  | 240.1  | 267.5  | 294.4  | 320.8  | 357.2  | 423.8  | 490.3  | 423.8  | 357.2  | 320.8  |
| 75°    | 139.2  | 158.4  | 183.4  | 210.6  | 239.9  | 275.2  | 328.6  | 382.1  | 328.6  | 275.2  | 239.9  |
| 77.5°  | 103.6  | 113.0  | 125.6  | 144.5  | 169.6  | 198.3  | 237.2  | 276.2  | 237.2  | 198.3  | 169.6  |
| 80°    | 83.6   | 84.0   | 84.9   | 98.3   | 124.1  | 150.9  | 180.2  | 209.5  | 180.2  | 150.9  | 124.1  |
| 82.5°  | 66.4   | 65.4   | 64.2   | 71.4   | 86.9   | 104.0  | 125.7  | 147.4  | 125.7  | 104.0  | 86.9   |
| 85°    | 30.8   | 33.6   | 37.1   | 39.7   | 41.4   | 45.3   | 55.6   | 65.9   | 55.6   | 45.3   | 41.4   |
| 87.5°  | 12.0   | 11.8   | 11.8   | 12.6   | 14.1   | 15.0   | 14.7   | 14.6   | 14.7   | 14.8   | 14.5   |
| 90°    | 21.0   | 20.0   | 20.0   | 19.0   | 16.0   | 12.0   | 7.0    | 3.0    | 7.0    | 11.0   | 18.0   |
| 92.5°  | 25.0   | 24.8   | 23.2   | 21.4   | 17.6   | 17.6   | 17.4   | 11.0   | 19.0   | 27.0   | 38.8   |
| 95°    | 23.0   | 23.0   | 27.0   | 34.0   | 49.9   | 50.9   | 34.0   | 31.0   | 44.0   | 61.9   | 77.9   |
| 97.5°  | 62.1   | 73.9   | 90.7   | 93.9   | 88.9   | 66.3   | 63.5   | 59.1   | 80.5   | 98.3   | 124.1  |
| 100°   | 114.9  | 129.9  | 141.9  | 117.9  | 92.9   | 91.9   | 85.9   | 83.9   | 106.9  | 123.9  | 148.8  |
| 102.5° | 179.6  | 184.2  | 142.7  | 129.1  | 123.3  | 119.1  | 109.9  | 108.7  | 131.7  | 155.0  | 176.0  |
| 105°   | 194.8  | 174.8  | 175.8  | 175.8  | 171.8  | 163.8  | 146.8  | 145.8  | 171.8  | 198.8  | 224.8  |
| 107.5° | 229.2  | 232.2  | 237.4  | 236.2  | 231.6  | 210.2  | 190.2  | 185.6  | 209.0  | 241.4  | 269.9  |
| 110°   | 274.7  | 277.7  | 279.7  | 277.7  | 270.7  | 243.7  | 219.8  | 212.8  | 233.8  | 267.7  | 298.7  |



TEST NUMBER: P1427907

CATALOG NUMBER: SQ2W-PH1-K-075U-100D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

|        | 110°   | 120°   | 130°   | 140°   | 150°   | 160°   | 170°  | 180°  | 190°  | 200°  | 210°  |
|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|
| 112.5° | 318.7  | 320.9  | 325.3  | 319.3  | 307.5  | 276.5  | 249.3 | 239.2 | 260.1 | 294.9 | 326.7 |
| 115°   | 388.6  | 388.6  | 389.6  | 386.6  | 362.6  | 330.7  | 294.7 | 279.7 | 297.7 | 329.7 | 364.6 |
| 117.5° | 457.3  | 458.5  | 454.5  | 446.5  | 418.8  | 381.6  | 341.2 | 317.3 | 331.5 | 365.2 | 401.2 |
| 120°   | 500.5  | 502.5  | 498.5  | 486.5  | 459.5  | 417.6  | 371.6 | 343.6 | 354.6 | 387.6 | 423.6 |
| 122.5° | 545.2  | 544.8  | 540.0  | 526.5  | 494.7  | 451.1  | 406.0 | 371.6 | 376.2 | 406.8 | 441.9 |
| 125°   | 607.4  | 606.4  | 602.4  | 586.4  | 553.4  | 508.5  | 455.5 | 413.6 | 407.6 | 433.6 | 469.5 |
| 127.5° | 666.5  | 664.3  | 658.1  | 638.7  | 605.0  | 561.6  | 503.5 | 455.9 | 442.5 | 458.9 | 491.9 |
| 130°   | 707.3  | 704.3  | 693.3  | 672.3  | 639.3  | 598.4  | 539.4 | 485.5 | 466.5 | 476.5 | 505.5 |
| 132.5° | 746.4  | 737.8  | 728.4  | 705.9  | 675.3  | 632.7  | 573.0 | 516.7 | 490.5 | 494.9 | 517.5 |
| 135°   | 796.2  | 788.2  | 776.2  | 754.2  | 725.3  | 683.3  | 623.4 | 562.4 | 526.5 | 522.5 | 535.4 |
| 137.5° | 839.9  | 831.5  | 818.0  | 799.0  | 769.8  | 732.4  | 674.9 | 610.6 | 565.2 | 551.8 | 556.8 |
| 140°   | 867.1  | 857.1  | 845.1  | 826.1  | 800.2  | 761.2  | 705.3 | 643.3 | 592.4 | 573.4 | 570.4 |
| 142.5° | 889.5  | 881.9  | 869.1  | 851.7  | 828.9  | 790.0  | 735.6 | 674.5 | 620.4 | 595.8 | 588.8 |
| 145°   | 923.0  | 917.1  | 903.1  | 887.1  | 868.1  | 829.1  | 779.2 | 718.3 | 664.3 | 632.3 | 617.4 |
| 147.5° | 951.4  | 946.6  | 935.6  | 916.9  | 900.9  | 863.5  | 818.0 | 764.0 | 708.7 | 669.1 | 649.7 |
| 150°   | 969.0  | 965.0  | 954.0  | 936.0  | 920.1  | 885.1  | 841.1 | 791.2 | 738.2 | 696.3 | 671.3 |
| 152.5° | 985.8  | 981.8  | 969.2  | 951.2  | 937.6  | 905.1  | 865.1 | 817.6 | 763.8 | 721.9 | 696.1 |
| 155°   | 1008.0 | 1003.0 | 991.0  | 974.0  | 962.0  | 932.0  | 895.1 | 853.1 | 807.2 | 763.2 | 734.2 |
| 157.5° | 1025.5 | 1019.3 | 1008.2 | 993.6  | 980.8  | 953.2  | 921.0 | 884.9 | 844.7 | 802.8 | 773.2 |
| 160°   | 1035.9 | 1028.9 | 1017.0 | 1004.0 | 992.0  | 966.0  | 937.0 | 904.1 | 867.1 | 829.1 | 797.2 |
| 162.5° | 1043.1 | 1036.9 | 1022.5 | 1011.2 | 1000.8 | 977.2  | 949.8 | 920.1 | 887.1 | 853.9 | 824.3 |
| 165°   | 1050.9 | 1043.9 | 1028.9 | 1019.9 | 1011.0 | 991.0  | 967.0 | 943.0 | 915.1 | 888.1 | 864.1 |
| 167.5° | 1051.5 | 1045.7 | 1030.7 | 1021.9 | 1015.4 | 998.2  | 978.8 | 960.4 | 938.6 | 917.5 | 897.5 |
| 170°   | 1049.9 | 1044.9 | 1029.9 | 1021.9 | 1017.0 | 1003.0 | 986.0 | 970.0 | 953.0 | 935.0 | 919.1 |
| 172.5° | 1044.3 | 1039.3 | 1025.1 | 1018.7 | 1016.2 | 1003.8 | 990.0 | 978.0 | 963.4 | 950.2 | 937.4 |
| 175°   | 1029.9 | 1025.9 | 1014.0 | 1010.0 | 1011.0 | 1003.0 | 993.0 | 986.0 | 977.0 | 969.0 | 962.0 |
| 177.5° | 1009.0 | 1006.6 | 997.8  | 997.8  | 1001.0 | 996.2  | 993.0 | 989.8 | 985.8 | 983.4 | 981.0 |
| 180°   | 989.0  | 989.0  | 989.0  | 989.0  | 989.0  | 989.0  | 989.0 | 989.0 | 989.0 | 989.0 | 989.0 |



TEST NUMBER: P1427907

CATALOG NUMBER: SQ2W-PH1-K-075U-100D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

|        | 220°   | 230°   | 240°   | 250°   | 260°   | 270°   | 280°   | 290°   | 300°   | 310°   | 320°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2038.5 | 2038.5 | 2038.5 | 2038.5 | 2038.5 | 2038.5 | 2038.5 | 2038.5 | 2038.5 | 2038.5 | 2038.5 |
| 2.5°   | 2018.1 | 2003.3 | 1995.0 | 1988.5 | 1987.1 | 1985.7 | 1987.1 | 1988.5 | 1995.0 | 2003.3 | 2018.1 |
| 5°     | 1946.9 | 1906.8 | 1880.1 | 1859.6 | 1857.9 | 1856.2 | 1857.9 | 1859.6 | 1880.1 | 1906.8 | 1946.9 |
| 7.5°   | 1834.3 | 1787.9 | 1758.4 | 1736.0 | 1734.6 | 1733.2 | 1734.6 | 1736.0 | 1758.4 | 1787.9 | 1834.3 |
| 10°    | 1762.2 | 1714.8 | 1688.1 | 1668.0 | 1668.0 | 1668.0 | 1668.0 | 1668.0 | 1688.1 | 1714.8 | 1762.2 |
| 12.5°  | 1701.7 | 1657.7 | 1637.9 | 1624.1 | 1628.2 | 1632.3 | 1628.2 | 1624.1 | 1637.9 | 1657.7 | 1701.7 |
| 15°    | 1623.6 | 1591.7 | 1586.6 | 1585.1 | 1594.5 | 1604.0 | 1594.5 | 1585.1 | 1586.6 | 1591.7 | 1623.6 |
| 17.5°  | 1559.9 | 1542.8 | 1553.9 | 1564.9 | 1575.9 | 1587.0 | 1575.9 | 1564.9 | 1553.9 | 1542.8 | 1559.9 |
| 20°    | 1523.0 | 1513.5 | 1534.2 | 1552.3 | 1562.6 | 1573.0 | 1562.6 | 1552.3 | 1534.2 | 1513.5 | 1523.0 |
| 22.5°  | 1493.7 | 1489.7 | 1512.5 | 1530.9 | 1536.4 | 1542.0 | 1536.4 | 1530.9 | 1512.5 | 1489.7 | 1493.7 |
| 25°    | 1447.3 | 1452.9 | 1472.8 | 1487.0 | 1484.4 | 1481.8 | 1484.4 | 1487.0 | 1472.8 | 1452.9 | 1447.3 |
| 27.5°  | 1402.7 | 1413.8 | 1425.8 | 1435.3 | 1436.8 | 1438.4 | 1436.8 | 1435.3 | 1425.8 | 1413.8 | 1402.7 |
| 30°    | 1367.0 | 1381.2 | 1393.3 | 1405.1 | 1416.3 | 1427.5 | 1416.3 | 1405.1 | 1393.3 | 1381.2 | 1367.0 |
| 32.5°  | 1327.1 | 1353.8 | 1382.4 | 1410.3 | 1436.0 | 1461.7 | 1436.0 | 1410.3 | 1382.4 | 1353.8 | 1327.1 |
| 35°    | 1270.8 | 1309.6 | 1357.0 | 1413.7 | 1498.2 | 1582.7 | 1498.2 | 1413.7 | 1357.0 | 1309.6 | 1270.8 |
| 37.5°  | 1211.6 | 1252.4 | 1293.3 | 1330.7 | 1357.6 | 1384.5 | 1357.6 | 1330.7 | 1293.3 | 1252.4 | 1211.6 |
| 40°    | 1170.2 | 1221.1 | 1273.6 | 1297.6 | 1235.5 | 1173.4 | 1235.5 | 1297.6 | 1273.6 | 1221.1 | 1170.2 |
| 42.5°  | 1117.1 | 1173.1 | 1241.6 | 1266.7 | 1161.9 | 1057.1 | 1161.9 | 1266.7 | 1241.6 | 1173.1 | 1117.1 |
| 45°    | 1039.0 | 1070.0 | 1088.1 | 1082.9 | 1007.9 | 932.9  | 1007.9 | 1082.9 | 1088.1 | 1070.0 | 1039.0 |
| 47.5°  | 984.5  | 987.9  | 947.4  | 909.7  | 880.4  | 851.1  | 880.4  | 909.7  | 947.4  | 987.9  | 984.5  |
| 50°    | 956.2  | 951.0  | 886.4  | 833.2  | 814.2  | 795.2  | 814.2  | 833.2  | 886.4  | 951.0  | 956.2  |
| 52.5°  | 933.6  | 923.3  | 837.2  | 769.5  | 756.8  | 744.0  | 756.8  | 769.5  | 837.2  | 923.3  | 933.6  |
| 55°    | 907.1  | 893.3  | 775.2  | 686.0  | 683.4  | 680.8  | 683.4  | 686.0  | 775.2  | 893.3  | 907.1  |
| 57.5°  | 805.4  | 791.0  | 688.5  | 612.9  | 617.3  | 621.8  | 617.3  | 612.9  | 688.5  | 791.0  | 805.4  |
| 60°    | 705.8  | 692.0  | 621.3  | 567.0  | 561.8  | 556.7  | 561.8  | 567.0  | 621.3  | 692.0  | 705.8  |
| 62.5°  | 612.5  | 596.3  | 548.4  | 511.1  | 506.0  | 500.8  | 506.0  | 511.1  | 548.4  | 596.3  | 612.5  |
| 65°    | 501.9  | 478.6  | 439.0  | 409.2  | 409.2  | 409.2  | 409.2  | 409.2  | 439.0  | 478.6  | 501.9  |
| 67.5°  | 411.8  | 388.7  | 358.6  | 330.8  | 310.1  | 289.4  | 310.1  | 330.8  | 358.6  | 388.7  | 411.8  |
| 70°    | 354.1  | 326.5  | 292.9  | 264.2  | 250.4  | 236.6  | 250.4  | 264.2  | 292.9  | 326.5  | 354.1  |
| 72.5°  | 294.4  | 267.5  | 240.1  | 215.6  | 199.7  | 183.9  | 199.7  | 215.6  | 240.1  | 267.5  | 294.4  |
| 75°    | 210.6  | 183.4  | 158.4  | 139.2  | 137.5  | 135.8  | 137.5  | 139.2  | 158.4  | 183.4  | 210.6  |
| 77.5°  | 144.5  | 125.6  | 113.0  | 103.6  | 103.8  | 104.0  | 103.8  | 103.6  | 113.0  | 125.6  | 144.5  |
| 80°    | 98.3   | 84.9   | 84.0   | 83.6   | 84.5   | 85.3   | 84.5   | 83.6   | 84.0   | 84.9   | 98.3   |
| 82.5°  | 71.4   | 64.2   | 65.4   | 66.4   | 66.5   | 66.7   | 66.5   | 66.4   | 65.4   | 64.2   | 71.4   |
| 85°    | 39.7   | 37.1   | 33.6   | 30.8   | 30.0   | 29.1   | 30.0   | 30.8   | 33.6   | 37.1   | 39.7   |
| 87.5°  | 13.4   | 13.8   | 15.2   | 15.9   | 16.7   | 16.3   | 16.7   | 15.9   | 15.2   | 13.8   | 13.4   |
| 90°    | 23.0   | 30.0   | 37.0   | 41.0   | 45.0   | 43.0   | 45.0   | 41.0   | 37.0   | 30.0   | 23.0   |
| 92.5°  | 46.2   | 57.9   | 66.5   | 73.7   | 76.9   | 76.5   | 76.9   | 73.7   | 66.5   | 57.9   | 46.2   |
| 95°    | 92.9   | 106.9  | 120.9  | 130.9  | 136.9  | 134.9  | 136.9  | 130.9  | 120.9  | 106.9  | 92.9   |
| 97.5°  | 143.3  | 162.0  | 177.6  | 187.0  | 193.0  | 197.0  | 193.0  | 187.0  | 177.6  | 162.0  | 143.3  |
| 100°   | 176.8  | 194.8  | 212.8  | 223.8  | 233.8  | 237.8  | 233.8  | 223.8  | 212.8  | 194.8  | 176.8  |
| 102.5° | 204.0  | 227.6  | 247.1  | 258.9  | 267.3  | 271.3  | 267.3  | 258.9  | 247.1  | 227.6  | 204.0  |
| 105°   | 248.7  | 273.7  | 294.7  | 309.7  | 318.7  | 321.7  | 318.7  | 309.7  | 294.7  | 273.7  | 248.7  |
| 107.5° | 293.5  | 319.3  | 338.7  | 355.2  | 366.2  | 372.6  | 366.2  | 355.2  | 338.7  | 319.3  | 293.5  |
| 110°   | 328.7  | 349.6  | 370.6  | 385.6  | 396.6  | 400.6  | 396.6  | 385.6  | 370.6  | 349.6  | 328.7  |



TEST NUMBER: P1427907

CATALOG NUMBER: SQ2W-PH1-K-075U-100D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

|        | 220°  | 230°  | 240°  | 250°  | 260°  | 270°  | 280°  | 290°  | 300°  | 310°  | 320°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 358.2 | 381.6 | 402.6 | 417.6 | 430.2 | 435.8 | 430.2 | 417.6 | 402.6 | 381.6 | 358.2 |
| 115°   | 399.6 | 430.6 | 449.5 | 463.5 | 472.5 | 477.5 | 472.5 | 463.5 | 449.5 | 430.6 | 399.6 |
| 117.5° | 434.0 | 466.3 | 487.1 | 497.9 | 502.1 | 505.7 | 502.1 | 497.9 | 487.1 | 466.3 | 434.0 |
| 120°   | 455.5 | 485.5 | 509.5 | 523.5 | 528.5 | 530.5 | 528.5 | 523.5 | 509.5 | 485.5 | 455.5 |
| 122.5° | 475.5 | 503.9 | 527.1 | 544.2 | 552.4 | 554.4 | 552.4 | 544.2 | 527.1 | 503.9 | 475.5 |
| 125°   | 503.5 | 530.5 | 554.4 | 571.4 | 580.4 | 585.4 | 580.4 | 571.4 | 554.4 | 530.5 | 503.5 |
| 127.5° | 527.9 | 557.0 | 579.0 | 594.4 | 603.2 | 607.2 | 603.2 | 594.4 | 579.0 | 557.0 | 527.9 |
| 130°   | 541.4 | 571.4 | 593.4 | 610.4 | 618.4 | 622.4 | 618.4 | 610.4 | 593.4 | 571.4 | 541.4 |
| 132.5° | 551.8 | 583.4 | 606.2 | 621.6 | 630.3 | 634.3 | 630.3 | 621.6 | 606.2 | 583.4 | 551.8 |
| 135°   | 564.4 | 597.4 | 621.4 | 636.3 | 644.3 | 648.3 | 644.3 | 636.3 | 621.4 | 597.4 | 564.4 |
| 137.5° | 575.4 | 605.4 | 630.3 | 646.1 | 653.3 | 655.9 | 653.3 | 646.1 | 630.3 | 605.4 | 575.4 |
| 140°   | 583.4 | 609.4 | 634.3 | 649.3 | 657.3 | 658.3 | 657.3 | 649.3 | 634.3 | 609.4 | 583.4 |
| 142.5° | 593.8 | 614.2 | 635.9 | 650.9 | 658.9 | 660.7 | 658.9 | 650.9 | 635.9 | 614.2 | 593.8 |
| 145°   | 612.4 | 624.4 | 639.3 | 653.3 | 660.3 | 662.3 | 660.3 | 653.3 | 639.3 | 624.4 | 612.4 |
| 147.5° | 635.7 | 639.5 | 647.3 | 656.5 | 663.3 | 664.7 | 663.3 | 656.5 | 647.3 | 639.5 | 635.7 |
| 150°   | 653.3 | 652.3 | 655.3 | 661.3 | 667.3 | 666.3 | 667.3 | 661.3 | 655.3 | 652.3 | 653.3 |
| 152.5° | 673.3 | 667.5 | 667.3 | 670.1 | 672.9 | 672.7 | 672.9 | 670.1 | 667.3 | 667.5 | 673.3 |
| 155°   | 707.3 | 696.3 | 690.3 | 688.3 | 688.3 | 687.3 | 688.3 | 688.3 | 690.3 | 696.3 | 707.3 |
| 157.5° | 744.6 | 729.2 | 720.3 | 715.5 | 714.1 | 711.9 | 714.1 | 715.5 | 720.3 | 729.2 | 744.6 |
| 160°   | 770.2 | 753.2 | 744.2 | 736.2 | 733.2 | 730.2 | 733.2 | 736.2 | 744.2 | 753.2 | 770.2 |
| 162.5° | 794.2 | 778.0 | 768.2 | 761.0 | 758.0 | 753.4 | 758.0 | 761.0 | 768.2 | 778.0 | 794.2 |
| 165°   | 833.1 | 816.2 | 805.2 | 799.2 | 795.2 | 791.2 | 795.2 | 799.2 | 805.2 | 816.2 | 833.1 |
| 167.5° | 872.1 | 853.5 | 846.3 | 839.5 | 835.7 | 828.5 | 835.7 | 839.5 | 846.3 | 853.5 | 872.1 |
| 170°   | 896.1 | 879.1 | 875.1 | 869.1 | 862.1 | 854.1 | 862.1 | 869.1 | 875.1 | 879.1 | 896.1 |
| 172.5° | 916.9 | 905.5 | 901.5 | 895.5 | 893.3 | 886.9 | 893.3 | 895.5 | 901.5 | 905.5 | 916.9 |
| 175°   | 947.0 | 938.0 | 938.0 | 937.0 | 934.0 | 928.0 | 934.0 | 937.0 | 938.0 | 938.0 | 947.0 |
| 177.5° | 972.2 | 967.4 | 970.6 | 970.6 | 969.8 | 964.2 | 969.8 | 970.6 | 970.6 | 967.4 | 972.2 |
| 180°   | 989.0 | 989.0 | 989.0 | 989.0 | 989.0 | 989.0 | 989.0 | 989.0 | 989.0 | 989.0 | 989.0 |



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CATALOG NUMBER: SQ2W-PH1-K-075U-100D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 340°   | 350°   | 360°   |
|--------|--------|--------|--------|--------|
| 0°     | 2038.5 | 2038.5 | 2038.5 | 2038.5 |
| 2.5°   | 2039.5 | 2053.1 | 2043.5 | 2033.8 |
| 5°     | 2000.3 | 2040.6 | 2041.5 | 2042.4 |
| 7.5°   | 1897.5 | 1951.7 | 1978.4 | 2005.1 |
| 10°    | 1830.3 | 1891.5 | 1932.0 | 1972.5 |
| 12.5°  | 1769.8 | 1836.9 | 1900.8 | 1964.8 |
| 15°    | 1682.2 | 1750.3 | 1846.9 | 1943.4 |
| 17.5°  | 1605.1 | 1664.9 | 1768.9 | 1872.8 |
| 20°    | 1562.6 | 1618.0 | 1720.6 | 1823.2 |
| 22.5°  | 1524.4 | 1573.4 | 1677.3 | 1781.3 |
| 25°    | 1456.0 | 1491.7 | 1609.0 | 1726.2 |
| 27.5°  | 1392.5 | 1415.5 | 1537.9 | 1660.3 |
| 30°    | 1350.6 | 1368.9 | 1491.3 | 1613.7 |
| 32.5°  | 1302.5 | 1315.6 | 1442.2 | 1568.7 |
| 35°    | 1240.7 | 1251.0 | 1382.9 | 1514.8 |
| 37.5°  | 1170.7 | 1175.4 | 1316.8 | 1458.2 |
| 40°    | 1121.1 | 1121.3 | 1269.6 | 1417.8 |
| 42.5°  | 1073.5 | 1077.8 | 1226.1 | 1374.4 |
| 45°    | 995.0  | 1000.6 | 1154.9 | 1309.2 |
| 47.5°  | 937.1  | 938.3  | 1085.3 | 1232.4 |
| 50°    | 901.9  | 895.9  | 1034.7 | 1173.4 |
| 52.5°  | 868.3  | 852.2  | 984.1  | 1116.0 |
| 55°    | 816.6  | 780.4  | 907.1  | 1033.8 |
| 57.5°  | 732.0  | 706.9  | 826.7  | 946.5  |
| 60°    | 662.7  | 659.5  | 775.8  | 892.2  |
| 62.5°  | 597.0  | 613.1  | 723.9  | 834.8  |
| 65°    | 508.8  | 539.2  | 640.1  | 740.9  |
| 67.5°  | 427.9  | 461.9  | 549.8  | 637.7  |
| 70°    | 375.6  | 411.2  | 488.8  | 566.4  |
| 72.5°  | 320.8  | 357.2  | 423.8  | 490.3  |
| 75°    | 239.9  | 275.2  | 328.6  | 382.1  |
| 77.5°  | 169.6  | 198.3  | 237.2  | 276.2  |
| 80°    | 124.1  | 150.9  | 180.2  | 209.5  |
| 82.5°  | 86.9   | 104.0  | 125.7  | 147.4  |
| 85°    | 41.4   | 45.3   | 55.6   | 65.9   |
| 87.5°  | 14.5   | 14.8   | 14.7   | 14.6   |
| 90°    | 18.0   | 11.0   | 7.0    | 3.0    |
| 92.5°  | 38.8   | 27.0   | 19.0   | 11.0   |
| 95°    | 77.9   | 61.9   | 44.0   | 31.0   |
| 97.5°  | 124.1  | 98.3   | 80.5   | 59.1   |
| 100°   | 148.8  | 123.9  | 106.9  | 83.9   |
| 102.5° | 176.0  | 155.0  | 131.7  | 108.7  |
| 105°   | 224.8  | 198.8  | 171.8  | 145.8  |
| 107.5° | 269.9  | 241.4  | 209.0  | 185.6  |
| 110°   | 298.7  | 267.7  | 233.8  | 212.8  |



TEST NUMBER: P1427907

CATALOG NUMBER: SQ2W-PH1-K-075U-100D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

|        | 330°  | 340°  | 350°  | 360°  |
|--------|-------|-------|-------|-------|
| 112.5° | 326.7 | 294.9 | 260.1 | 239.2 |
| 115°   | 364.6 | 329.7 | 297.7 | 279.7 |
| 117.5° | 401.2 | 365.2 | 331.5 | 317.3 |
| 120°   | 423.6 | 387.6 | 354.6 | 343.6 |
| 122.5° | 441.9 | 406.8 | 376.2 | 371.6 |
| 125°   | 469.5 | 433.6 | 407.6 | 413.6 |
| 127.5° | 491.9 | 458.9 | 442.5 | 455.9 |
| 130°   | 505.5 | 476.5 | 466.5 | 485.5 |
| 132.5° | 517.5 | 494.9 | 490.5 | 516.7 |
| 135°   | 535.4 | 522.5 | 526.5 | 562.4 |
| 137.5° | 556.8 | 551.8 | 565.2 | 610.6 |
| 140°   | 570.4 | 573.4 | 592.4 | 643.3 |
| 142.5° | 588.8 | 595.8 | 620.4 | 674.5 |
| 145°   | 617.4 | 632.3 | 664.3 | 718.3 |
| 147.5° | 649.7 | 669.1 | 708.7 | 764.0 |
| 150°   | 671.3 | 696.3 | 738.2 | 791.2 |
| 152.5° | 696.1 | 721.9 | 763.8 | 817.6 |
| 155°   | 734.2 | 763.2 | 807.2 | 853.1 |
| 157.5° | 773.2 | 802.8 | 844.7 | 884.9 |
| 160°   | 797.2 | 829.1 | 867.1 | 904.1 |
| 162.5° | 824.3 | 853.9 | 887.1 | 920.1 |
| 165°   | 864.1 | 888.1 | 915.1 | 943.0 |
| 167.5° | 897.5 | 917.5 | 938.6 | 960.4 |
| 170°   | 919.1 | 935.0 | 953.0 | 970.0 |
| 172.5° | 937.4 | 950.2 | 963.4 | 978.0 |
| 175°   | 962.0 | 969.0 | 977.0 | 986.0 |
| 177.5° | 981.0 | 983.4 | 985.8 | 989.8 |
| 180°   | 989.0 | 989.0 | 989.0 | 989.0 |



TEST NUMBER: P1427907

CATALOG NUMBER: SQ2W-PH1-K-075U-100D-L935-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 | 19.97            | 20.93 | 20.83 | 21.81 | 22.92 | 18.80          | 19.76 | 19.66 | 20.64 | 21.75 |
|                 | 3H   | 22.16            | 23.02 | 23.03 | 23.90 | 25.04 | 19.86          | 20.72 | 20.73 | 21.61 | 22.74 |
|                 | 4H   | 22.97            | 23.79 | 23.86 | 24.68 | 25.82 | 20.11          | 20.92 | 21.00 | 21.82 | 22.96 |
|                 | 6H   | 23.45            | 24.19 | 24.34 | 25.10 | 26.25 | 20.26          | 21.00 | 21.15 | 21.90 | 23.06 |
|                 | 8H   | 23.60            | 24.31 | 24.51 | 25.23 | 26.39 | 20.32          | 21.03 | 21.22 | 21.95 | 23.10 |
|                 | 12H  | 23.66            | 24.34 | 24.58 | 25.25 | 26.43 | 20.33          | 21.01 | 21.24 | 21.92 | 23.10 |
| 4H              | 2H   | 20.42            | 21.23 | 21.31 | 22.13 | 23.27 | 19.50          | 20.31 | 20.39 | 21.20 | 22.35 |
|                 | 3H   | 22.68            | 23.36 | 23.59 | 24.28 | 25.44 | 20.74          | 21.41 | 21.64 | 22.34 | 23.50 |
|                 | 4H   | 23.56            | 24.17 | 24.47 | 25.10 | 26.28 | 21.03          | 21.65 | 21.95 | 22.57 | 23.75 |
|                 | 6H   | 24.12            | 24.65 | 25.05 | 25.60 | 26.79 | 21.24          | 21.77 | 22.17 | 22.71 | 23.90 |
|                 | 8H   | 24.33            | 24.82 | 25.26 | 25.76 | 26.96 | 21.33          | 21.82 | 22.26 | 22.76 | 23.96 |
|                 | 12H  | 24.42            | 24.86 | 25.37 | 25.82 | 27.02 | 21.36          | 21.80 | 22.31 | 22.76 | 23.96 |
| 8H              | 4H   | 23.59            | 24.08 | 24.52 | 25.02 | 26.22 | 21.27          | 21.76 | 22.20 | 22.70 | 23.90 |
|                 | 6H   | 24.22            | 24.63 | 25.18 | 25.61 | 26.81 | 21.54          | 21.95 | 22.50 | 22.93 | 24.13 |
|                 | 8H   | 24.49            | 24.85 | 25.45 | 25.82 | 27.04 | 21.69          | 22.05 | 22.66 | 23.02 | 24.24 |
|                 | 12H  | 24.62            | 24.94 | 25.59 | 25.90 | 27.17 | 21.76          | 22.08 | 22.73 | 23.04 | 24.30 |
| 12H             | 4H   | 23.55            | 23.99 | 24.50 | 24.95 | 26.15 | 21.27          | 21.72 | 22.22 | 22.67 | 23.88 |
|                 | 6H   | 24.20            | 24.56 | 25.17 | 25.53 | 26.75 | 21.58          | 21.94 | 22.54 | 22.91 | 24.13 |
|                 | 8H   | 24.48            | 24.79 | 25.45 | 25.76 | 27.02 | 21.74          | 22.06 | 22.71 | 23.03 | 24.29 |