

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: P1427934

Luminaire Tested: SQ2W-PH1-K-100U-125D-L835-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1427934  
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-100U-125D-L835-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - PERCEIVE HEX LENS  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 1250 LUMENS PER FOOT  
UPLIGHT 1000 LUMENS PER FOOT  
Light Source: 3500K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

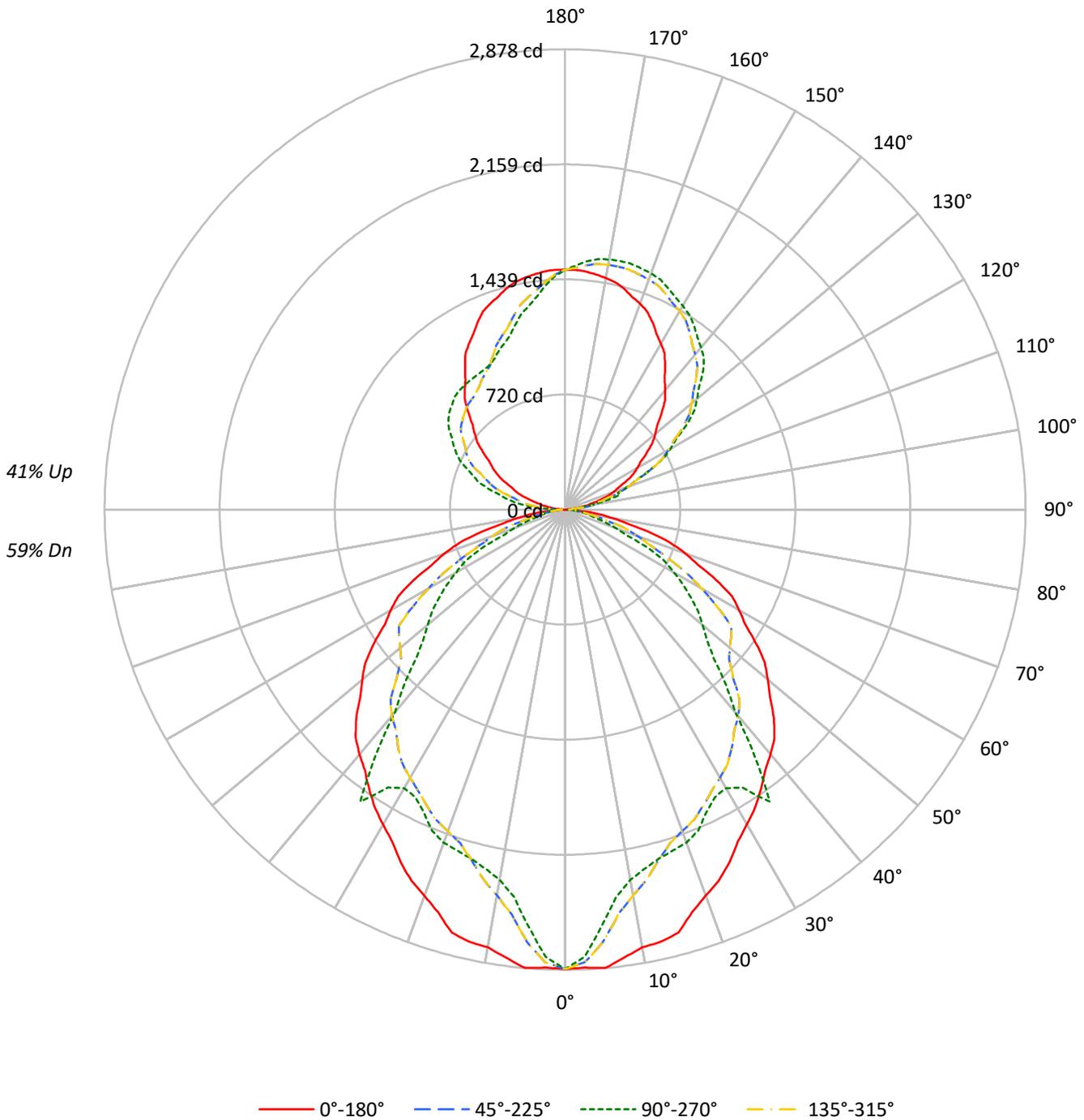
Lumens per Lamp: N/A  
Luminaire Lumens: 10732.7 lumens  
Efficiency: N/A  
Efficacy: 130.4 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.02 / 1.23  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 82.3  
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: P1427934

CATALOG NUMBER: SQ2W-PH1-K-100U-125D-L835-UNV-STD-W-WM-4

### Luminous Intensity Polar Plot





TEST NUMBER: P1427934

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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   | 109 | 109 | 109 | 109 | 102 | 102 | 102 | 102 | 88 | 88 | 88 | 76 | 76 | 76 | 65 | 65 | 65 | 59 |    |    |    |   |
| 1   | 100 | 96  | 92  | 89  | 93  | 90  | 86  | 83  | 78 | 76 | 73 | 67 | 66 | 64 | 58 | 56 | 55 | 50 |    |    |    |   |
| 2   | 91  | 84  | 78  | 73  | 85  | 79  | 73  | 69  | 69 | 65 | 61 | 59 | 56 | 54 | 51 | 49 | 47 | 43 |    |    |    |   |
| 3   | 83  | 74  | 67  | 61  | 78  | 69  | 63  | 58  | 61 | 56 | 51 | 53 | 49 | 46 | 45 | 42 | 40 | 36 |    |    |    |   |
| 4   | 76  | 65  | 58  | 51  | 71  | 61  | 54  | 49  | 54 | 48 | 44 | 47 | 43 | 39 | 40 | 37 | 34 | 31 |    |    |    |   |
| 5   | 70  | 58  | 50  | 44  | 65  | 55  | 48  | 42  | 48 | 42 | 38 | 42 | 38 | 34 | 36 | 33 | 30 | 27 |    |    |    |   |
| 6   | 65  | 52  | 44  | 38  | 60  | 49  | 42  | 37  | 44 | 38 | 33 | 38 | 33 | 30 | 33 | 29 | 27 | 24 |    |    |    |   |
| 7   | 60  | 47  | 39  | 34  | 56  | 45  | 37  | 32  | 40 | 34 | 29 | 35 | 30 | 26 | 30 | 26 | 24 | 21 |    |    |    |   |
| 8   | 56  | 43  | 35  | 30  | 52  | 41  | 34  | 29  | 36 | 30 | 26 | 32 | 27 | 24 | 28 | 24 | 21 | 19 |    |    |    |   |
| 9   | 52  | 39  | 32  | 27  | 48  | 37  | 30  | 26  | 33 | 27 | 23 | 29 | 25 | 21 | 26 | 22 | 19 | 17 |    |    |    |   |
| 10  | 48  | 36  | 29  | 24  | 45  | 34  | 28  | 23  | 31 | 25 | 21 | 27 | 23 | 19 | 24 | 20 | 17 | 15 |    |    |    |   |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 46376 | 46376 | 46376 | 46376 |
| 5°  | 46643 | 42390 | 46643 | 42390 |
| 10° | 45569 | 38534 | 45569 | 38534 |
| 15° | 45774 | 37779 | 45774 | 37779 |
| 20° | 44140 | 38083 | 44140 | 38083 |
| 25° | 43332 | 37197 | 43332 | 37197 |
| 30° | 42393 | 37501 | 42393 | 37501 |
| 35° | 42071 | 43957 | 42071 | 43957 |
| 40° | 42107 | 34850 | 42107 | 34850 |
| 45° | 42123 | 30017 | 42123 | 30017 |
| 50° | 41533 | 28145 | 41533 | 28145 |
| 55° | 41005 | 27003 | 41005 | 27003 |
| 60° | 40596 | 25329 | 40596 | 25329 |
| 65° | 39885 | 22032 | 39885 | 22032 |
| 70° | 37671 | 15739 | 37671 | 15739 |
| 75° | 33586 | 11934 | 33586 | 11934 |
| 80° | 27447 | 11185 | 27447 | 11185 |
| 85° | 17210 | 7595  | 17210 | 7595  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 42123 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 252.8   | 2.4       |
| 10°-20°   | 664.8   | 6.2       |
| 20°-30°   | 974.7   | 9.1       |
| 30°-40°   | 1180.2  | 11.0      |
| 40°-50°   | 1160.6  | 10.8      |
| 50°-60°   | 1009.5  | 9.4       |
| 60°-70°   | 702.1   | 6.5       |
| 70°-80°   | 333.0   | 3.1       |
| 80°-90°   | 79.6    | 0.7       |
| 90°-100°  | 119.3   | 1.1       |
| 100°-110° | 347.8   | 3.2       |
| 110°-120° | 567.6   | 5.3       |
| 120°-130° | 720.2   | 6.7       |
| 130°-140° | 770.6   | 7.2       |
| 140°-150° | 719.6   | 6.7       |
| 150°-160° | 592.1   | 5.5       |
| 160°-170° | 397.1   | 3.7       |
| 170°-180° | 141.0   | 1.3       |
| 0°-30°    | 1892.3  | 17.6      |
| 0°-40°    | 3072.5  | 28.6      |
| 0°-60°    | 5242.6  | 48.8      |
| 0°-90°    | 6357.3  | 59.2      |
| 90°-120°  | 1034.6  | 9.6       |
| 90°-150°  | 3245.1  | 30.2      |
| 90°-180°  | 4375.0  | 40.8      |
| 0°-180°   | 10732.7 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 2872 | 2872 | 2872 | 2872 | 2872 |      |
| 5°   | 2878 | 2616 | 2878 | 2616 | 2878 | 271  |
| 15°  | 2738 | 2260 | 2738 | 2260 | 2738 | 763  |
| 25°  | 2432 | 2088 | 2432 | 2088 | 2432 | 1119 |
| 35°  | 2134 | 2230 | 2134 | 2230 | 2134 | 1337 |
| 45°  | 1845 | 1315 | 1845 | 1315 | 1845 | 1418 |
| 55°  | 1457 | 959  | 1457 | 959  | 1457 | 1301 |
| 65°  | 1044 | 577  | 1044 | 577  | 1044 | 1026 |
| 75°  | 538  | 191  | 538  | 191  | 538  | 571  |
| 85°  | 93   | 41   | 93   | 41   | 93   | 125  |
| 90°  | 4    | 33   | 4    | 65   | 4    | 6    |
| 95°  | 47   | 35   | 47   | 204  | 47   | 57   |
| 105° | 221  | 354  | 221  | 487  | 221  | 235  |
| 115° | 424  | 587  | 424  | 724  | 424  | 418  |
| 125° | 627  | 931  | 627  | 887  | 627  | 561  |
| 135° | 852  | 1218 | 852  | 982  | 852  | 659  |
| 145° | 1088 | 1405 | 1088 | 1004 | 1088 | 681  |
| 155° | 1293 | 1526 | 1293 | 1041 | 1293 | 594  |
| 165° | 1429 | 1591 | 1429 | 1199 | 1429 | 402  |
| 175° | 1494 | 1558 | 1494 | 1406 | 1494 | 142  |
| 180° | 1498 | 1498 | 1498 | 1498 | 1498 |      |



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CATALOG NUMBER: SQ2W-PH1-K-100U-125D-L835-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 10°    | 20°    | 30°    | 40°    | 50°    | 60°    | 70°    | 80°    | 90°    | 100°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2872.4 | 2872.4 | 2872.4 | 2872.4 | 2872.4 | 2872.4 | 2872.4 | 2872.4 | 2872.4 | 2872.4 | 2872.4 |
| 2.5°   | 2865.9 | 2879.5 | 2893.1 | 2873.9 | 2843.7 | 2822.9 | 2811.2 | 2802.0 | 2800.0 | 2798.1 | 2800.0 |
| 5°     | 2877.9 | 2876.7 | 2875.5 | 2818.7 | 2743.4 | 2686.9 | 2649.2 | 2620.4 | 2617.9 | 2615.5 | 2617.9 |
| 7.5°   | 2825.4 | 2787.8 | 2750.1 | 2673.8 | 2584.7 | 2519.3 | 2477.8 | 2446.1 | 2444.2 | 2442.2 | 2444.2 |
| 10°    | 2779.5 | 2722.4 | 2665.3 | 2579.1 | 2483.1 | 2416.3 | 2378.6 | 2350.4 | 2350.4 | 2350.4 | 2350.4 |
| 12.5°  | 2768.6 | 2678.4 | 2588.3 | 2493.8 | 2397.8 | 2335.9 | 2308.0 | 2288.5 | 2294.3 | 2300.1 | 2294.3 |
| 15°    | 2738.5 | 2602.5 | 2466.4 | 2370.4 | 2287.9 | 2242.9 | 2235.6 | 2233.5 | 2246.9 | 2260.2 | 2246.9 |
| 17.5°  | 2639.0 | 2492.5 | 2346.0 | 2261.7 | 2198.0 | 2174.0 | 2189.5 | 2205.1 | 2220.6 | 2236.2 | 2220.6 |
| 20°    | 2569.0 | 2424.5 | 2280.0 | 2201.9 | 2146.0 | 2132.7 | 2161.8 | 2187.3 | 2201.9 | 2216.5 | 2201.9 |
| 22.5°  | 2510.0 | 2363.5 | 2217.0 | 2148.0 | 2104.7 | 2099.1 | 2131.2 | 2157.2 | 2165.0 | 2172.8 | 2165.0 |
| 25°    | 2432.4 | 2267.2 | 2102.0 | 2051.6 | 2039.4 | 2047.3 | 2075.3 | 2095.3 | 2091.7 | 2088.0 | 2091.7 |
| 27.5°  | 2339.5 | 2167.0 | 1994.5 | 1962.1 | 1976.5 | 1992.1 | 2009.1 | 2022.4 | 2024.6 | 2026.8 | 2024.6 |
| 30°    | 2273.9 | 2101.4 | 1928.9 | 1903.1 | 1926.2 | 1946.2 | 1963.2 | 1979.9 | 1995.7 | 2011.5 | 1995.7 |
| 32.5°  | 2210.5 | 2032.2 | 1853.8 | 1835.3 | 1870.1 | 1907.6 | 1947.9 | 1987.2 | 2023.4 | 2059.6 | 2023.4 |
| 35°    | 2134.5 | 1948.7 | 1762.8 | 1748.2 | 1790.7 | 1845.4 | 1912.2 | 1992.1 | 2111.1 | 2230.2 | 2111.1 |
| 37.5°  | 2054.7 | 1855.5 | 1656.3 | 1649.7 | 1707.2 | 1764.8 | 1822.4 | 1875.0 | 1912.9 | 1950.8 | 1912.9 |
| 40°    | 1997.8 | 1788.9 | 1580.0 | 1579.7 | 1648.9 | 1720.6 | 1794.7 | 1828.4 | 1740.9 | 1653.5 | 1740.9 |
| 42.5°  | 1936.6 | 1727.7 | 1518.8 | 1512.6 | 1574.1 | 1653.1 | 1749.5 | 1784.9 | 1637.2 | 1489.5 | 1637.2 |
| 45°    | 1844.8 | 1627.4 | 1409.9 | 1402.0 | 1464.0 | 1507.7 | 1533.2 | 1525.9 | 1420.3 | 1314.6 | 1420.3 |
| 47.5°  | 1736.6 | 1529.3 | 1322.1 | 1320.4 | 1387.2 | 1392.1 | 1335.0 | 1281.9 | 1240.6 | 1199.3 | 1240.6 |
| 50°    | 1653.5 | 1457.9 | 1262.4 | 1270.9 | 1347.4 | 1340.1 | 1249.0 | 1174.0 | 1147.3 | 1120.5 | 1147.3 |
| 52.5°  | 1572.6 | 1386.7 | 1200.9 | 1223.5 | 1315.6 | 1301.0 | 1179.8 | 1084.3 | 1066.4 | 1048.4 | 1066.4 |
| 55°    | 1456.7 | 1278.1 | 1099.6 | 1150.6 | 1278.1 | 1258.7 | 1092.3 | 966.6  | 962.9  | 959.3  | 962.9  |
| 57.5°  | 1333.7 | 1164.9 | 996.0  | 1031.4 | 1134.9 | 1114.5 | 970.2  | 863.6  | 869.9  | 876.2  | 869.9  |
| 60°    | 1257.2 | 1093.2 | 929.2  | 933.8  | 994.5  | 975.1  | 875.5  | 799.0  | 791.7  | 784.4  | 791.7  |
| 62.5°  | 1176.3 | 1020.1 | 863.9  | 841.2  | 863.1  | 840.3  | 772.7  | 720.2  | 713.0  | 705.7  | 713.0  |
| 65°    | 1044.0 | 901.9  | 759.8  | 717.0  | 707.2  | 674.5  | 618.6  | 576.7  | 576.7  | 576.7  | 576.7  |
| 67.5°  | 898.6  | 774.7  | 650.8  | 602.9  | 580.3  | 547.8  | 505.2  | 466.1  | 436.9  | 407.8  | 436.9  |
| 70°    | 798.0  | 688.7  | 579.4  | 529.3  | 498.9  | 460.1  | 412.7  | 372.3  | 352.9  | 333.4  | 352.9  |
| 72.5°  | 690.9  | 597.1  | 503.4  | 452.0  | 414.9  | 377.0  | 338.3  | 303.8  | 281.4  | 259.1  | 281.4  |
| 75°    | 538.4  | 463.1  | 387.8  | 338.0  | 296.7  | 258.4  | 223.2  | 196.2  | 193.7  | 191.3  | 193.7  |
| 77.5°  | 389.2  | 334.3  | 279.4  | 239.0  | 203.6  | 177.0  | 159.2  | 146.0  | 146.2  | 146.5  | 146.2  |
| 80°    | 295.2  | 253.9  | 212.6  | 174.9  | 138.5  | 119.6  | 118.4  | 117.8  | 119.0  | 120.3  | 119.0  |
| 82.5°  | 207.7  | 177.1  | 146.5  | 122.4  | 100.6  | 90.5   | 92.2   | 93.5   | 93.8   | 94.0   | 93.8   |
| 85°    | 92.9   | 78.3   | 63.8   | 58.3   | 55.9   | 52.2   | 47.4   | 43.4   | 42.2   | 41.0   | 42.2   |
| 87.5°  | 20.6   | 20.8   | 21.4   | 20.1   | 18.1   | 17.0   | 17.0   | 17.3   | 17.6   | 17.6   | 17.6   |
| 90°    | 4.5    | 10.6   | 18.2   | 24.2   | 28.8   | 30.3   | 30.3   | 31.8   | 33.3   | 33.3   | 33.3   |
| 92.5°  | 16.7   | 26.3   | 26.6   | 26.6   | 32.4   | 35.1   | 37.5   | 37.8   | 39.4   | 39.4   | 39.4   |
| 95°    | 46.9   | 51.5   | 77.2   | 75.7   | 51.5   | 40.9   | 34.8   | 34.8   | 34.8   | 34.8   | 34.8   |
| 97.5°  | 89.6   | 96.3   | 100.5  | 134.7  | 142.3  | 137.4  | 112.0  | 94.1   | 84.2   | 79.6   | 84.2   |
| 100°   | 127.1  | 130.2  | 139.3  | 140.8  | 178.6  | 214.9  | 196.8  | 174.1  | 166.5  | 162.0  | 166.5  |
| 102.5° | 164.7  | 166.5  | 180.4  | 186.8  | 195.6  | 216.1  | 279.1  | 272.2  | 267.0  | 266.1  | 267.0  |
| 105°   | 221.0  | 222.5  | 248.2  | 260.3  | 266.4  | 266.4  | 264.9  | 295.2  | 343.6  | 354.2  | 343.6  |
| 107.5° | 281.2  | 288.2  | 318.5  | 350.9  | 357.8  | 359.6  | 351.8  | 347.2  | 345.4  | 346.6  | 345.4  |
| 110°   | 322.4  | 333.0  | 369.3  | 410.2  | 420.8  | 423.8  | 420.8  | 416.3  | 413.2  | 413.2  | 413.2  |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 10°    | 20°    | 30°    | 40°    | 50°    | 60°    | 70°    | 80°    | 90°    | 100°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 362.4  | 377.8  | 419.0  | 465.9  | 483.8  | 492.8  | 486.2  | 482.9  | 479.8  | 482.2  | 479.8  |
| 115°   | 423.8  | 446.5  | 501.0  | 549.5  | 585.8  | 590.3  | 588.8  | 588.8  | 587.3  | 587.3  | 587.3  |
| 117.5° | 480.7  | 517.1  | 578.2  | 634.5  | 676.6  | 688.7  | 694.8  | 692.9  | 691.1  | 694.2  | 691.1  |
| 120°   | 520.7  | 563.1  | 632.7  | 696.3  | 737.1  | 755.3  | 761.4  | 758.3  | 761.4  | 758.3  | 761.4  |
| 122.5° | 563.1  | 615.1  | 683.6  | 749.6  | 797.7  | 818.3  | 825.5  | 826.2  | 826.8  | 824.9  | 826.8  |
| 125°   | 626.7  | 690.2  | 770.4  | 838.6  | 888.5  | 912.7  | 918.8  | 920.3  | 923.3  | 930.9  | 923.3  |
| 127.5° | 690.8  | 762.9  | 851.0  | 916.7  | 967.8  | 997.2  | 1006.6 | 1009.9 | 1016.3 | 1019.6 | 1016.3 |
| 130°   | 735.6  | 817.4  | 906.7  | 968.7  | 1018.7 | 1050.5 | 1067.1 | 1071.7 | 1079.2 | 1077.7 | 1079.2 |
| 132.5° | 782.9  | 868.2  | 958.7  | 1023.2 | 1069.5 | 1103.8 | 1118.0 | 1131.0 | 1133.7 | 1135.8 | 1133.7 |
| 135°   | 852.2  | 944.5  | 1035.3 | 1098.9 | 1142.8 | 1176.1 | 1194.3 | 1206.4 | 1213.9 | 1218.5 | 1213.9 |
| 137.5° | 925.1  | 1022.6 | 1109.8 | 1166.4 | 1210.6 | 1239.4 | 1260.0 | 1272.7 | 1280.5 | 1284.2 | 1280.5 |
| 140°   | 974.8  | 1068.6 | 1153.4 | 1212.4 | 1251.8 | 1280.5 | 1298.7 | 1313.8 | 1322.9 | 1322.9 | 1322.9 |
| 142.5° | 1022.0 | 1114.7 | 1197.0 | 1256.0 | 1290.5 | 1316.9 | 1336.3 | 1347.8 | 1358.0 | 1358.0 | 1358.0 |
| 145°   | 1088.3 | 1180.6 | 1256.3 | 1315.4 | 1344.1 | 1368.3 | 1389.5 | 1398.6 | 1404.7 | 1404.7 | 1404.7 |
| 147.5° | 1157.6 | 1239.4 | 1308.4 | 1365.0 | 1389.2 | 1417.7 | 1434.3 | 1441.6 | 1449.2 | 1445.8 | 1449.2 |
| 150°   | 1198.8 | 1274.5 | 1341.1 | 1394.1 | 1418.3 | 1445.5 | 1462.2 | 1468.2 | 1475.8 | 1471.3 | 1475.8 |
| 152.5° | 1238.8 | 1310.8 | 1371.4 | 1420.7 | 1441.3 | 1468.5 | 1487.6 | 1493.7 | 1498.8 | 1495.5 | 1498.8 |
| 155°   | 1292.7 | 1356.2 | 1412.2 | 1457.6 | 1475.8 | 1501.5 | 1519.7 | 1527.3 | 1533.3 | 1525.8 | 1533.3 |
| 157.5° | 1340.8 | 1395.6 | 1444.3 | 1486.1 | 1505.5 | 1527.6 | 1544.5 | 1553.9 | 1560.0 | 1556.6 | 1560.0 |
| 160°   | 1369.9 | 1419.8 | 1463.7 | 1503.1 | 1521.2 | 1540.9 | 1559.1 | 1569.7 | 1575.7 | 1571.2 | 1575.7 |
| 162.5° | 1394.1 | 1439.2 | 1480.7 | 1516.4 | 1532.1 | 1549.4 | 1571.2 | 1580.6 | 1586.6 | 1580.9 | 1586.6 |
| 165°   | 1428.9 | 1465.2 | 1501.5 | 1531.8 | 1545.4 | 1559.1 | 1581.8 | 1592.4 | 1596.9 | 1590.8 | 1596.9 |
| 167.5° | 1455.2 | 1483.1 | 1512.4 | 1538.5 | 1548.5 | 1561.8 | 1584.5 | 1593.3 | 1599.0 | 1591.5 | 1599.0 |
| 170°   | 1469.8 | 1494.0 | 1519.7 | 1540.9 | 1548.5 | 1560.6 | 1583.3 | 1590.8 | 1595.4 | 1587.8 | 1595.4 |
| 172.5° | 1481.9 | 1500.0 | 1520.9 | 1539.7 | 1543.6 | 1553.3 | 1574.8 | 1582.4 | 1585.7 | 1579.3 | 1585.7 |
| 175°   | 1494.0 | 1504.6 | 1519.7 | 1531.8 | 1530.3 | 1536.4 | 1554.5 | 1560.6 | 1566.6 | 1557.5 | 1566.6 |
| 177.5° | 1499.7 | 1504.6 | 1509.4 | 1516.7 | 1511.8 | 1511.8 | 1525.2 | 1528.8 | 1530.0 | 1525.2 | 1530.0 |
| 180°   | 1498.5 | 1498.5 | 1498.5 | 1498.5 | 1498.5 | 1498.5 | 1498.5 | 1498.5 | 1498.5 | 1498.5 | 1498.5 |

TEST NUMBER: P1427934

CATALOG NUMBER: SQ2W-PH1-K-100U-125D-L835-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

|        | 110°   | 120°   | 130°   | 140°   | 150°   | 160°   | 170°   | 180°   | 190°   | 200°   | 210°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2872.4 | 2872.4 | 2872.4 | 2872.4 | 2872.4 | 2872.4 | 2872.4 | 2872.4 | 2872.4 | 2872.4 | 2872.4 |
| 2.5°   | 2802.0 | 2811.2 | 2822.9 | 2843.7 | 2873.9 | 2893.1 | 2879.5 | 2865.9 | 2879.5 | 2893.1 | 2873.9 |
| 5°     | 2620.4 | 2649.2 | 2686.9 | 2743.4 | 2818.7 | 2875.5 | 2876.7 | 2877.9 | 2876.7 | 2875.5 | 2818.7 |
| 7.5°   | 2446.1 | 2477.8 | 2519.3 | 2584.7 | 2673.8 | 2750.1 | 2787.8 | 2825.4 | 2787.8 | 2750.1 | 2673.8 |
| 10°    | 2350.4 | 2378.6 | 2416.3 | 2483.1 | 2579.1 | 2665.3 | 2722.4 | 2779.5 | 2722.4 | 2665.3 | 2579.1 |
| 12.5°  | 2288.5 | 2308.0 | 2335.9 | 2397.8 | 2493.8 | 2588.3 | 2678.4 | 2768.6 | 2678.4 | 2588.3 | 2493.8 |
| 15°    | 2233.5 | 2235.6 | 2242.9 | 2287.9 | 2370.4 | 2466.4 | 2602.5 | 2738.5 | 2602.5 | 2466.4 | 2370.4 |
| 17.5°  | 2205.1 | 2189.5 | 2174.0 | 2198.0 | 2261.7 | 2346.0 | 2492.5 | 2639.0 | 2492.5 | 2346.0 | 2261.7 |
| 20°    | 2187.3 | 2161.8 | 2132.7 | 2146.0 | 2201.9 | 2280.0 | 2424.5 | 2569.0 | 2424.5 | 2280.0 | 2201.9 |
| 22.5°  | 2157.2 | 2131.2 | 2099.1 | 2104.7 | 2148.0 | 2217.0 | 2363.5 | 2510.0 | 2363.5 | 2217.0 | 2148.0 |
| 25°    | 2095.3 | 2075.3 | 2047.3 | 2039.4 | 2051.6 | 2102.0 | 2267.2 | 2432.4 | 2267.2 | 2102.0 | 2051.6 |
| 27.5°  | 2022.4 | 2009.1 | 1992.1 | 1976.5 | 1962.1 | 1994.5 | 2167.0 | 2339.5 | 2167.0 | 1994.5 | 1962.1 |
| 30°    | 1979.9 | 1963.2 | 1946.2 | 1926.2 | 1903.1 | 1928.9 | 2101.4 | 2273.9 | 2101.4 | 1928.9 | 1903.1 |
| 32.5°  | 1987.2 | 1947.9 | 1907.6 | 1870.1 | 1835.3 | 1853.8 | 2032.2 | 2210.5 | 2032.2 | 1853.8 | 1835.3 |
| 35°    | 1992.1 | 1912.2 | 1845.4 | 1790.7 | 1748.2 | 1762.8 | 1948.7 | 2134.5 | 1948.7 | 1762.8 | 1748.2 |
| 37.5°  | 1875.0 | 1822.4 | 1764.8 | 1707.2 | 1649.7 | 1656.3 | 1855.5 | 2054.7 | 1855.5 | 1656.3 | 1649.7 |
| 40°    | 1828.4 | 1794.7 | 1720.6 | 1648.9 | 1579.7 | 1580.0 | 1788.9 | 1997.8 | 1788.9 | 1580.0 | 1579.7 |
| 42.5°  | 1784.9 | 1749.5 | 1653.1 | 1574.1 | 1512.6 | 1518.8 | 1727.7 | 1936.6 | 1727.7 | 1518.8 | 1512.6 |
| 45°    | 1525.9 | 1533.2 | 1507.7 | 1464.0 | 1402.0 | 1409.9 | 1627.4 | 1844.8 | 1627.4 | 1409.9 | 1402.0 |
| 47.5°  | 1281.9 | 1335.0 | 1392.1 | 1387.2 | 1320.4 | 1322.1 | 1529.3 | 1736.6 | 1529.3 | 1322.1 | 1320.4 |
| 50°    | 1174.0 | 1249.0 | 1340.1 | 1347.4 | 1270.9 | 1262.4 | 1457.9 | 1653.5 | 1457.9 | 1262.4 | 1270.9 |
| 52.5°  | 1084.3 | 1179.8 | 1301.0 | 1315.6 | 1223.5 | 1200.9 | 1386.7 | 1572.6 | 1386.7 | 1200.9 | 1223.5 |
| 55°    | 966.6  | 1092.3 | 1258.7 | 1278.1 | 1150.6 | 1099.6 | 1278.1 | 1456.7 | 1278.1 | 1099.6 | 1150.6 |
| 57.5°  | 863.6  | 970.2  | 1114.5 | 1134.9 | 1031.4 | 996.0  | 1164.9 | 1333.7 | 1164.9 | 996.0  | 1031.4 |
| 60°    | 799.0  | 875.5  | 975.1  | 994.5  | 933.8  | 929.2  | 1093.2 | 1257.2 | 1093.2 | 929.2  | 933.8  |
| 62.5°  | 720.2  | 772.7  | 840.3  | 863.1  | 841.2  | 863.9  | 1020.1 | 1176.3 | 1020.1 | 863.9  | 841.2  |
| 65°    | 576.7  | 618.6  | 674.5  | 707.2  | 717.0  | 759.8  | 901.9  | 1044.0 | 901.9  | 759.8  | 717.0  |
| 67.5°  | 466.1  | 505.2  | 547.8  | 580.3  | 602.9  | 650.8  | 774.7  | 898.6  | 774.7  | 650.8  | 602.9  |
| 70°    | 372.3  | 412.7  | 460.1  | 498.9  | 529.3  | 579.4  | 688.7  | 798.0  | 688.7  | 579.4  | 529.3  |
| 72.5°  | 303.8  | 338.3  | 377.0  | 414.9  | 452.0  | 503.4  | 597.1  | 690.9  | 597.1  | 503.4  | 452.0  |
| 75°    | 196.2  | 223.2  | 258.4  | 296.7  | 338.0  | 387.8  | 463.1  | 538.4  | 463.1  | 387.8  | 338.0  |
| 77.5°  | 146.0  | 159.2  | 177.0  | 203.6  | 239.0  | 279.4  | 334.3  | 389.2  | 334.3  | 279.4  | 239.0  |
| 80°    | 117.8  | 118.4  | 119.6  | 138.5  | 174.9  | 212.6  | 253.9  | 295.2  | 253.9  | 212.6  | 174.9  |
| 82.5°  | 93.5   | 92.2   | 90.5   | 100.6  | 122.4  | 146.5  | 177.1  | 207.7  | 177.1  | 146.5  | 122.4  |
| 85°    | 43.4   | 47.4   | 52.2   | 55.9   | 58.3   | 63.8   | 78.3   | 92.9   | 78.3   | 63.8   | 58.3   |
| 87.5°  | 17.3   | 17.0   | 17.0   | 18.1   | 20.1   | 21.4   | 20.8   | 20.6   | 20.8   | 21.1   | 20.8   |
| 90°    | 31.8   | 30.3   | 30.3   | 28.8   | 24.2   | 18.2   | 10.6   | 4.5    | 10.6   | 16.7   | 27.2   |
| 92.5°  | 37.8   | 37.5   | 35.1   | 32.4   | 26.6   | 26.6   | 26.3   | 16.7   | 28.8   | 40.9   | 58.7   |
| 95°    | 34.8   | 34.8   | 40.9   | 51.5   | 75.7   | 77.2   | 51.5   | 46.9   | 66.6   | 93.8   | 118.1  |
| 97.5°  | 94.1   | 112.0  | 137.4  | 142.3  | 134.7  | 100.5  | 96.3   | 89.6   | 122.0  | 148.9  | 188.0  |
| 100°   | 174.1  | 196.8  | 214.9  | 178.6  | 140.8  | 139.3  | 130.2  | 127.1  | 162.0  | 187.7  | 225.5  |
| 102.5° | 272.2  | 279.1  | 216.1  | 195.6  | 186.8  | 180.4  | 166.5  | 164.7  | 199.5  | 234.9  | 266.7  |
| 105°   | 295.2  | 264.9  | 266.4  | 266.4  | 260.3  | 248.2  | 222.5  | 221.0  | 260.3  | 301.2  | 340.6  |
| 107.5° | 347.2  | 351.8  | 359.6  | 357.8  | 350.9  | 318.5  | 288.2  | 281.2  | 316.7  | 365.7  | 409.0  |
| 110°   | 416.3  | 420.8  | 423.8  | 420.8  | 410.2  | 369.3  | 333.0  | 322.4  | 354.2  | 405.7  | 452.6  |



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**CANDELA DISTRIBUTION (continued):**

|        | 110°   | 120°   | 130°   | 140°   | 150°   | 160°   | 170°   | 180°   | 190°   | 200°   | 210°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 482.9  | 486.2  | 492.8  | 483.8  | 465.9  | 419.0  | 377.8  | 362.4  | 394.2  | 446.8  | 495.0  |
| 115°   | 588.8  | 588.8  | 590.3  | 585.8  | 549.5  | 501.0  | 446.5  | 423.8  | 451.1  | 499.5  | 552.5  |
| 117.5° | 692.9  | 694.8  | 688.7  | 676.6  | 634.5  | 578.2  | 517.1  | 480.7  | 502.2  | 553.4  | 607.9  |
| 120°   | 758.3  | 761.4  | 755.3  | 737.1  | 696.3  | 632.7  | 563.1  | 520.7  | 537.3  | 587.3  | 641.8  |
| 122.5° | 826.2  | 825.5  | 818.3  | 797.7  | 749.6  | 683.6  | 615.1  | 563.1  | 570.0  | 616.4  | 669.6  |
| 125°   | 920.3  | 918.8  | 912.7  | 888.5  | 838.6  | 770.4  | 690.2  | 626.7  | 617.6  | 656.9  | 711.4  |
| 127.5° | 1009.9 | 1006.6 | 997.2  | 967.8  | 916.7  | 851.0  | 762.9  | 690.8  | 670.5  | 695.4  | 745.3  |
| 130°   | 1071.7 | 1067.1 | 1050.5 | 1018.7 | 968.7  | 906.7  | 817.4  | 735.6  | 706.9  | 722.0  | 765.9  |
| 132.5° | 1131.0 | 1118.0 | 1103.8 | 1069.5 | 1023.2 | 958.7  | 868.2  | 782.9  | 743.2  | 749.9  | 784.1  |
| 135°   | 1206.4 | 1194.3 | 1176.1 | 1142.8 | 1098.9 | 1035.3 | 944.5  | 852.2  | 797.7  | 791.6  | 811.3  |
| 137.5° | 1272.7 | 1260.0 | 1239.4 | 1210.6 | 1166.4 | 1109.8 | 1022.6 | 925.1  | 856.4  | 836.1  | 843.7  |
| 140°   | 1313.8 | 1298.7 | 1280.5 | 1251.8 | 1212.4 | 1153.4 | 1068.6 | 974.8  | 897.6  | 868.8  | 864.3  |
| 142.5° | 1347.8 | 1336.3 | 1316.9 | 1290.5 | 1256.0 | 1197.0 | 1114.7 | 1022.0 | 940.0  | 902.7  | 892.1  |
| 145°   | 1398.6 | 1389.5 | 1368.3 | 1344.1 | 1315.4 | 1256.3 | 1180.6 | 1088.3 | 1006.6 | 958.1  | 935.4  |
| 147.5° | 1441.6 | 1434.3 | 1417.7 | 1389.2 | 1365.0 | 1308.4 | 1239.4 | 1157.6 | 1073.8 | 1013.8 | 984.5  |
| 150°   | 1468.2 | 1462.2 | 1445.5 | 1418.3 | 1394.1 | 1341.1 | 1274.5 | 1198.8 | 1118.6 | 1055.0 | 1017.2 |
| 152.5° | 1493.7 | 1487.6 | 1468.5 | 1441.3 | 1420.7 | 1371.4 | 1310.8 | 1238.8 | 1157.3 | 1093.8 | 1054.7 |
| 155°   | 1527.3 | 1519.7 | 1501.5 | 1475.8 | 1457.6 | 1412.2 | 1356.2 | 1292.7 | 1223.0 | 1156.4 | 1112.5 |
| 157.5° | 1553.9 | 1544.5 | 1527.6 | 1505.5 | 1486.1 | 1444.3 | 1395.6 | 1340.8 | 1279.9 | 1216.4 | 1171.6 |
| 160°   | 1569.7 | 1559.1 | 1540.9 | 1521.2 | 1503.1 | 1463.7 | 1419.8 | 1369.9 | 1313.8 | 1256.3 | 1207.9 |
| 162.5° | 1580.6 | 1571.2 | 1549.4 | 1532.1 | 1516.4 | 1480.7 | 1439.2 | 1394.1 | 1344.1 | 1293.9 | 1249.1 |
| 165°   | 1592.4 | 1581.8 | 1559.1 | 1545.4 | 1531.8 | 1501.5 | 1465.2 | 1428.9 | 1386.5 | 1345.6 | 1309.3 |
| 167.5° | 1593.3 | 1584.5 | 1561.8 | 1548.5 | 1538.5 | 1512.4 | 1483.1 | 1455.2 | 1422.2 | 1390.1 | 1359.9 |
| 170°   | 1590.8 | 1583.3 | 1560.6 | 1548.5 | 1540.9 | 1519.7 | 1494.0 | 1469.8 | 1444.0 | 1416.8 | 1392.6 |
| 172.5° | 1582.4 | 1574.8 | 1553.3 | 1543.6 | 1539.7 | 1520.9 | 1500.0 | 1481.9 | 1459.8 | 1439.8 | 1420.4 |
| 175°   | 1560.6 | 1554.5 | 1536.4 | 1530.3 | 1531.8 | 1519.7 | 1504.6 | 1494.0 | 1480.4 | 1468.2 | 1457.6 |
| 177.5° | 1528.8 | 1525.2 | 1511.8 | 1511.8 | 1516.7 | 1509.4 | 1504.6 | 1499.7 | 1493.7 | 1490.0 | 1486.4 |
| 180°   | 1498.5 | 1498.5 | 1498.5 | 1498.5 | 1498.5 | 1498.5 | 1498.5 | 1498.5 | 1498.5 | 1498.5 | 1498.5 |



TEST NUMBER: P1427934

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**CANDELA DISTRIBUTION (continued):**

|        | 220°   | 230°   | 240°   | 250°   | 260°   | 270°   | 280°   | 290°   | 300°   | 310°   | 320°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2872.4 | 2872.4 | 2872.4 | 2872.4 | 2872.4 | 2872.4 | 2872.4 | 2872.4 | 2872.4 | 2872.4 | 2872.4 |
| 2.5°   | 2843.7 | 2822.9 | 2811.2 | 2802.0 | 2800.0 | 2798.1 | 2800.0 | 2802.0 | 2811.2 | 2822.9 | 2843.7 |
| 5°     | 2743.4 | 2686.9 | 2649.2 | 2620.4 | 2617.9 | 2615.5 | 2617.9 | 2620.4 | 2649.2 | 2686.9 | 2743.4 |
| 7.5°   | 2584.7 | 2519.3 | 2477.8 | 2446.1 | 2444.2 | 2442.2 | 2444.2 | 2446.1 | 2477.8 | 2519.3 | 2584.7 |
| 10°    | 2483.1 | 2416.3 | 2378.6 | 2350.4 | 2350.4 | 2350.4 | 2350.4 | 2350.4 | 2378.6 | 2416.3 | 2483.1 |
| 12.5°  | 2397.8 | 2335.9 | 2308.0 | 2288.5 | 2294.3 | 2300.1 | 2294.3 | 2288.5 | 2308.0 | 2335.9 | 2397.8 |
| 15°    | 2287.9 | 2242.9 | 2235.6 | 2233.5 | 2246.9 | 2260.2 | 2246.9 | 2233.5 | 2235.6 | 2242.9 | 2287.9 |
| 17.5°  | 2198.0 | 2174.0 | 2189.5 | 2205.1 | 2220.6 | 2236.2 | 2220.6 | 2205.1 | 2189.5 | 2174.0 | 2198.0 |
| 20°    | 2146.0 | 2132.7 | 2161.8 | 2187.3 | 2201.9 | 2216.5 | 2201.9 | 2187.3 | 2161.8 | 2132.7 | 2146.0 |
| 22.5°  | 2104.7 | 2099.1 | 2131.2 | 2157.2 | 2165.0 | 2172.8 | 2165.0 | 2157.2 | 2131.2 | 2099.1 | 2104.7 |
| 25°    | 2039.4 | 2047.3 | 2075.3 | 2095.3 | 2091.7 | 2088.0 | 2091.7 | 2095.3 | 2075.3 | 2047.3 | 2039.4 |
| 27.5°  | 1976.5 | 1992.1 | 2009.1 | 2022.4 | 2024.6 | 2026.8 | 2024.6 | 2022.4 | 2009.1 | 1992.1 | 1976.5 |
| 30°    | 1926.2 | 1946.2 | 1963.2 | 1979.9 | 1995.7 | 2011.5 | 1995.7 | 1979.9 | 1963.2 | 1946.2 | 1926.2 |
| 32.5°  | 1870.1 | 1907.6 | 1947.9 | 1987.2 | 2023.4 | 2059.6 | 2023.4 | 1987.2 | 1947.9 | 1907.6 | 1870.1 |
| 35°    | 1790.7 | 1845.4 | 1912.2 | 1992.1 | 2111.1 | 2230.2 | 2111.1 | 1992.1 | 1912.2 | 1845.4 | 1790.7 |
| 37.5°  | 1707.2 | 1764.8 | 1822.4 | 1875.0 | 1912.9 | 1950.8 | 1912.9 | 1875.0 | 1822.4 | 1764.8 | 1707.2 |
| 40°    | 1648.9 | 1720.6 | 1794.7 | 1828.4 | 1740.9 | 1653.5 | 1740.9 | 1828.4 | 1794.7 | 1720.6 | 1648.9 |
| 42.5°  | 1574.1 | 1653.1 | 1749.5 | 1784.9 | 1637.2 | 1489.5 | 1637.2 | 1784.9 | 1749.5 | 1653.1 | 1574.1 |
| 45°    | 1464.0 | 1507.7 | 1533.2 | 1525.9 | 1420.3 | 1314.6 | 1420.3 | 1525.9 | 1533.2 | 1507.7 | 1464.0 |
| 47.5°  | 1387.2 | 1392.1 | 1335.0 | 1281.9 | 1240.6 | 1199.3 | 1240.6 | 1281.9 | 1335.0 | 1392.1 | 1387.2 |
| 50°    | 1347.4 | 1340.1 | 1249.0 | 1174.0 | 1147.3 | 1120.5 | 1147.3 | 1174.0 | 1249.0 | 1340.1 | 1347.4 |
| 52.5°  | 1315.6 | 1301.0 | 1179.8 | 1084.3 | 1066.4 | 1048.4 | 1066.4 | 1084.3 | 1179.8 | 1301.0 | 1315.6 |
| 55°    | 1278.1 | 1258.7 | 1092.3 | 966.6  | 962.9  | 959.3  | 962.9  | 966.6  | 1092.3 | 1258.7 | 1278.1 |
| 57.5°  | 1134.9 | 1114.5 | 970.2  | 863.6  | 869.9  | 876.2  | 869.9  | 863.6  | 970.2  | 1114.5 | 1134.9 |
| 60°    | 994.5  | 975.1  | 875.5  | 799.0  | 791.7  | 784.4  | 791.7  | 799.0  | 875.5  | 975.1  | 994.5  |
| 62.5°  | 863.1  | 840.3  | 772.7  | 720.2  | 713.0  | 705.7  | 713.0  | 720.2  | 772.7  | 840.3  | 863.1  |
| 65°    | 707.2  | 674.5  | 618.6  | 576.7  | 576.7  | 576.7  | 576.7  | 576.7  | 618.6  | 674.5  | 707.2  |
| 67.5°  | 580.3  | 547.8  | 505.2  | 466.1  | 436.9  | 407.8  | 436.9  | 466.1  | 505.2  | 547.8  | 580.3  |
| 70°    | 498.9  | 460.1  | 412.7  | 372.3  | 352.9  | 333.4  | 352.9  | 372.3  | 412.7  | 460.1  | 498.9  |
| 72.5°  | 414.9  | 377.0  | 338.3  | 303.8  | 281.4  | 259.1  | 281.4  | 303.8  | 338.3  | 377.0  | 414.9  |
| 75°    | 296.7  | 258.4  | 223.2  | 196.2  | 193.7  | 191.3  | 193.7  | 196.2  | 223.2  | 258.4  | 296.7  |
| 77.5°  | 203.6  | 177.0  | 159.2  | 146.0  | 146.2  | 146.5  | 146.2  | 146.0  | 159.2  | 177.0  | 203.6  |
| 80°    | 138.5  | 119.6  | 118.4  | 117.8  | 119.0  | 120.3  | 119.0  | 117.8  | 118.4  | 119.6  | 138.5  |
| 82.5°  | 100.6  | 90.5   | 92.2   | 93.5   | 93.8   | 94.0   | 93.8   | 93.5   | 92.2   | 90.5   | 100.6  |
| 85°    | 55.9   | 52.2   | 47.4   | 43.4   | 42.2   | 41.0   | 42.2   | 43.4   | 47.4   | 52.2   | 55.9   |
| 87.5°  | 19.4   | 20.0   | 22.1   | 23.3   | 24.6   | 23.9   | 24.6   | 23.3   | 22.1   | 20.0   | 19.4   |
| 90°    | 34.8   | 45.4   | 56.0   | 62.1   | 68.1   | 65.1   | 68.1   | 62.1   | 56.0   | 45.4   | 34.8   |
| 92.5°  | 69.9   | 87.8   | 100.8  | 111.7  | 116.6  | 115.9  | 116.6  | 111.7  | 100.8  | 87.8   | 69.9   |
| 95°    | 140.8  | 162.0  | 183.2  | 198.3  | 207.4  | 204.3  | 207.4  | 198.3  | 183.2  | 162.0  | 140.8  |
| 97.5°  | 217.1  | 245.5  | 269.1  | 283.4  | 292.4  | 298.5  | 292.4  | 283.4  | 269.1  | 245.5  | 217.1  |
| 100°   | 267.9  | 295.2  | 322.4  | 339.1  | 354.2  | 360.2  | 354.2  | 339.1  | 322.4  | 295.2  | 267.9  |
| 102.5° | 309.1  | 344.8  | 374.5  | 392.3  | 405.1  | 411.1  | 405.1  | 392.3  | 374.5  | 344.8  | 309.1  |
| 105°   | 376.9  | 414.7  | 446.5  | 469.2  | 482.9  | 487.4  | 482.9  | 469.2  | 446.5  | 414.7  | 376.9  |
| 107.5° | 444.7  | 483.8  | 513.1  | 538.3  | 554.9  | 564.6  | 554.9  | 538.3  | 513.1  | 483.8  | 444.7  |
| 110°   | 498.0  | 529.8  | 561.6  | 584.3  | 600.9  | 607.0  | 600.9  | 584.3  | 561.6  | 529.8  | 498.0  |



TEST NUMBER: P1427934

CATALOG NUMBER: SQ2W-PH1-K-100U-125D-L835-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

|        | 220°   | 230°   | 240°   | 250°   | 260°   | 270°   | 280°   | 290°   | 300°   | 310°   | 320°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 542.8  | 578.2  | 610.0  | 632.7  | 651.8  | 660.3  | 651.8  | 632.7  | 610.0  | 578.2  | 542.8  |
| 115°   | 605.5  | 652.4  | 681.1  | 702.3  | 716.0  | 723.5  | 716.0  | 702.3  | 681.1  | 652.4  | 605.5  |
| 117.5° | 657.5  | 706.6  | 738.1  | 754.4  | 760.8  | 766.2  | 760.8  | 754.4  | 738.1  | 706.6  | 657.5  |
| 120°   | 690.2  | 735.6  | 772.0  | 793.2  | 800.7  | 803.7  | 800.7  | 793.2  | 772.0  | 735.6  | 690.2  |
| 122.5° | 720.5  | 763.5  | 798.6  | 824.6  | 837.0  | 840.1  | 837.0  | 824.6  | 798.6  | 763.5  | 720.5  |
| 125°   | 762.9  | 803.7  | 840.1  | 865.8  | 879.4  | 887.0  | 879.4  | 865.8  | 840.1  | 803.7  | 762.9  |
| 127.5° | 799.8  | 844.0  | 877.3  | 900.6  | 913.9  | 920.0  | 913.9  | 900.6  | 877.3  | 844.0  | 799.8  |
| 130°   | 820.4  | 865.8  | 899.1  | 924.8  | 937.0  | 943.0  | 937.0  | 924.8  | 899.1  | 865.8  | 820.4  |
| 132.5° | 836.1  | 884.0  | 918.5  | 941.8  | 955.1  | 961.2  | 955.1  | 941.8  | 918.5  | 884.0  | 836.1  |
| 135°   | 855.2  | 905.2  | 941.5  | 964.2  | 976.3  | 982.4  | 976.3  | 964.2  | 941.5  | 905.2  | 855.2  |
| 137.5° | 871.9  | 917.3  | 955.1  | 979.0  | 989.9  | 993.9  | 989.9  | 979.0  | 955.1  | 917.3  | 871.9  |
| 140°   | 884.0  | 923.3  | 961.2  | 983.9  | 996.0  | 997.5  | 996.0  | 983.9  | 961.2  | 923.3  | 884.0  |
| 142.5° | 899.7  | 930.6  | 963.6  | 986.3  | 998.4  | 1001.1 | 998.4  | 986.3  | 963.6  | 930.6  | 899.7  |
| 145°   | 927.9  | 946.0  | 968.7  | 989.9  | 1000.5 | 1003.6 | 1000.5 | 989.9  | 968.7  | 946.0  | 927.9  |
| 147.5° | 963.3  | 969.0  | 980.8  | 994.8  | 1005.1 | 1007.2 | 1005.1 | 994.8  | 980.8  | 969.0  | 963.3  |
| 150°   | 989.9  | 988.4  | 993.0  | 1002.0 | 1011.1 | 1009.6 | 1011.1 | 1002.0 | 993.0  | 988.4  | 989.9  |
| 152.5° | 1020.2 | 1011.4 | 1011.1 | 1015.4 | 1019.6 | 1019.3 | 1019.6 | 1015.4 | 1011.1 | 1011.4 | 1020.2 |
| 155°   | 1071.7 | 1055.0 | 1045.9 | 1042.9 | 1042.9 | 1041.4 | 1042.9 | 1042.9 | 1045.9 | 1055.0 | 1071.7 |
| 157.5° | 1128.3 | 1105.0 | 1091.3 | 1084.1 | 1082.0 | 1078.6 | 1082.0 | 1084.1 | 1091.3 | 1105.0 | 1128.3 |
| 160°   | 1167.0 | 1141.3 | 1127.7 | 1115.6 | 1111.0 | 1106.5 | 1111.0 | 1115.6 | 1127.7 | 1141.3 | 1167.0 |
| 162.5° | 1203.4 | 1178.8 | 1164.0 | 1153.1 | 1148.6 | 1141.6 | 1148.6 | 1153.1 | 1164.0 | 1178.8 | 1203.4 |
| 165°   | 1262.4 | 1236.7 | 1220.0 | 1210.9 | 1204.9 | 1198.8 | 1204.9 | 1210.9 | 1220.0 | 1236.7 | 1262.4 |
| 167.5° | 1321.4 | 1293.3 | 1282.4 | 1272.1 | 1266.3 | 1255.4 | 1266.3 | 1272.1 | 1282.4 | 1293.3 | 1321.4 |
| 170°   | 1357.7 | 1332.0 | 1326.0 | 1316.9 | 1306.3 | 1294.2 | 1306.3 | 1316.9 | 1326.0 | 1332.0 | 1357.7 |
| 172.5° | 1389.2 | 1372.0 | 1365.9 | 1356.8 | 1353.5 | 1343.8 | 1353.5 | 1356.8 | 1365.9 | 1372.0 | 1389.2 |
| 175°   | 1434.9 | 1421.3 | 1421.3 | 1419.8 | 1415.3 | 1406.2 | 1415.3 | 1419.8 | 1421.3 | 1421.3 | 1434.9 |
| 177.5° | 1473.1 | 1465.8 | 1470.7 | 1470.7 | 1469.5 | 1461.0 | 1469.5 | 1470.7 | 1470.7 | 1465.8 | 1473.1 |
| 180°   | 1498.5 | 1498.5 | 1498.5 | 1498.5 | 1498.5 | 1498.5 | 1498.5 | 1498.5 | 1498.5 | 1498.5 | 1498.5 |



TEST NUMBER: P1427934

CATALOG NUMBER: SQ2W-PH1-K-100U-125D-L835-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 340°   | 350°   | 360°   |
|--------|--------|--------|--------|--------|
| 0°     | 2872.4 | 2872.4 | 2872.4 | 2872.4 |
| 2.5°   | 2873.9 | 2893.1 | 2879.5 | 2865.9 |
| 5°     | 2818.7 | 2875.5 | 2876.7 | 2877.9 |
| 7.5°   | 2673.8 | 2750.1 | 2787.8 | 2825.4 |
| 10°    | 2579.1 | 2665.3 | 2722.4 | 2779.5 |
| 12.5°  | 2493.8 | 2588.3 | 2678.4 | 2768.6 |
| 15°    | 2370.4 | 2466.4 | 2602.5 | 2738.5 |
| 17.5°  | 2261.7 | 2346.0 | 2492.5 | 2639.0 |
| 20°    | 2201.9 | 2280.0 | 2424.5 | 2569.0 |
| 22.5°  | 2148.0 | 2217.0 | 2363.5 | 2510.0 |
| 25°    | 2051.6 | 2102.0 | 2267.2 | 2432.4 |
| 27.5°  | 1962.1 | 1994.5 | 2167.0 | 2339.5 |
| 30°    | 1903.1 | 1928.9 | 2101.4 | 2273.9 |
| 32.5°  | 1835.3 | 1853.8 | 2032.2 | 2210.5 |
| 35°    | 1748.2 | 1762.8 | 1948.7 | 2134.5 |
| 37.5°  | 1649.7 | 1656.3 | 1855.5 | 2054.7 |
| 40°    | 1579.7 | 1580.0 | 1788.9 | 1997.8 |
| 42.5°  | 1512.6 | 1518.8 | 1727.7 | 1936.6 |
| 45°    | 1402.0 | 1409.9 | 1627.4 | 1844.8 |
| 47.5°  | 1320.4 | 1322.1 | 1529.3 | 1736.6 |
| 50°    | 1270.9 | 1262.4 | 1457.9 | 1653.5 |
| 52.5°  | 1223.5 | 1200.9 | 1386.7 | 1572.6 |
| 55°    | 1150.6 | 1099.6 | 1278.1 | 1456.7 |
| 57.5°  | 1031.4 | 996.0  | 1164.9 | 1333.7 |
| 60°    | 933.8  | 929.2  | 1093.2 | 1257.2 |
| 62.5°  | 841.2  | 863.9  | 1020.1 | 1176.3 |
| 65°    | 717.0  | 759.8  | 901.9  | 1044.0 |
| 67.5°  | 602.9  | 650.8  | 774.7  | 898.6  |
| 70°    | 529.3  | 579.4  | 688.7  | 798.0  |
| 72.5°  | 452.0  | 503.4  | 597.1  | 690.9  |
| 75°    | 338.0  | 387.8  | 463.1  | 538.4  |
| 77.5°  | 239.0  | 279.4  | 334.3  | 389.2  |
| 80°    | 174.9  | 212.6  | 253.9  | 295.2  |
| 82.5°  | 122.4  | 146.5  | 177.1  | 207.7  |
| 85°    | 58.3   | 63.8   | 78.3   | 92.9   |
| 87.5°  | 20.8   | 21.1   | 20.8   | 20.6   |
| 90°    | 27.2   | 16.7   | 10.6   | 4.5    |
| 92.5°  | 58.7   | 40.9   | 28.8   | 16.7   |
| 95°    | 118.1  | 93.8   | 66.6   | 46.9   |
| 97.5°  | 188.0  | 148.9  | 122.0  | 89.6   |
| 100°   | 225.5  | 187.7  | 162.0  | 127.1  |
| 102.5° | 266.7  | 234.9  | 199.5  | 164.7  |
| 105°   | 340.6  | 301.2  | 260.3  | 221.0  |
| 107.5° | 409.0  | 365.7  | 316.7  | 281.2  |
| 110°   | 452.6  | 405.7  | 354.2  | 322.4  |



TEST NUMBER: P1427934

CATALOG NUMBER: SQ2W-PH1-K-100U-125D-L835-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 340°   | 350°   | 360°   |
|--------|--------|--------|--------|--------|
| 112.5° | 495.0  | 446.8  | 394.2  | 362.4  |
| 115°   | 552.5  | 499.5  | 451.1  | 423.8  |
| 117.5° | 607.9  | 553.4  | 502.2  | 480.7  |
| 120°   | 641.8  | 587.3  | 537.3  | 520.7  |
| 122.5° | 669.6  | 616.4  | 570.0  | 563.1  |
| 125°   | 711.4  | 656.9  | 617.6  | 626.7  |
| 127.5° | 745.3  | 695.4  | 670.5  | 690.8  |
| 130°   | 765.9  | 722.0  | 706.9  | 735.6  |
| 132.5° | 784.1  | 749.9  | 743.2  | 782.9  |
| 135°   | 811.3  | 791.6  | 797.7  | 852.2  |
| 137.5° | 843.7  | 836.1  | 856.4  | 925.1  |
| 140°   | 864.3  | 868.8  | 897.6  | 974.8  |
| 142.5° | 892.1  | 902.7  | 940.0  | 1022.0 |
| 145°   | 935.4  | 958.1  | 1006.6 | 1088.3 |
| 147.5° | 984.5  | 1013.8 | 1073.8 | 1157.6 |
| 150°   | 1017.2 | 1055.0 | 1118.6 | 1198.8 |
| 152.5° | 1054.7 | 1093.8 | 1157.3 | 1238.8 |
| 155°   | 1112.5 | 1156.4 | 1223.0 | 1292.7 |
| 157.5° | 1171.6 | 1216.4 | 1279.9 | 1340.8 |
| 160°   | 1207.9 | 1256.3 | 1313.8 | 1369.9 |
| 162.5° | 1249.1 | 1293.9 | 1344.1 | 1394.1 |
| 165°   | 1309.3 | 1345.6 | 1386.5 | 1428.9 |
| 167.5° | 1359.9 | 1390.1 | 1422.2 | 1455.2 |
| 170°   | 1392.6 | 1416.8 | 1444.0 | 1469.8 |
| 172.5° | 1420.4 | 1439.8 | 1459.8 | 1481.9 |
| 175°   | 1457.6 | 1468.2 | 1480.4 | 1494.0 |
| 177.5° | 1486.4 | 1490.0 | 1493.7 | 1499.7 |
| 180°   | 1498.5 | 1498.5 | 1498.5 | 1498.5 |



TEST NUMBER: P1427934  
 CATALOG NUMBER: SQ2W-PH1-K-100U-125D-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 | 21.02            | 21.96 | 21.89 | 22.86 | 23.99 | 19.85          | 20.79 | 20.72 | 21.69 | 22.82 |
|                 | 3H   | 23.20            | 24.04 | 24.09 | 24.95 | 26.11 | 20.90          | 21.75 | 21.79 | 22.65 | 23.81 |
|                 | 4H   | 24.02            | 24.81 | 24.92 | 25.72 | 26.89 | 21.15          | 21.95 | 22.06 | 22.86 | 24.03 |
|                 | 6H   | 24.49            | 25.22 | 25.40 | 26.14 | 27.32 | 21.30          | 22.03 | 22.21 | 22.95 | 24.13 |
|                 | 8H   | 24.64            | 25.34 | 25.57 | 26.28 | 27.46 | 21.36          | 22.06 | 22.28 | 22.99 | 24.17 |
|                 | 12H  | 24.71            | 25.37 | 25.63 | 26.30 | 27.50 | 21.37          | 22.04 | 22.30 | 22.97 | 24.17 |
| 4H              | 2H   | 21.47            | 22.26 | 22.37 | 23.17 | 24.34 | 20.54          | 21.34 | 21.45 | 22.25 | 23.42 |
|                 | 3H   | 23.72            | 24.39 | 24.64 | 25.33 | 26.51 | 21.78          | 22.44 | 22.70 | 23.38 | 24.57 |
|                 | 4H   | 24.60            | 25.20 | 25.53 | 26.14 | 27.35 | 22.07          | 22.68 | 23.01 | 23.62 | 24.83 |
|                 | 6H   | 25.17            | 25.69 | 26.11 | 26.65 | 27.86 | 22.28          | 22.80 | 23.22 | 23.76 | 24.97 |
|                 | 8H   | 25.37            | 25.85 | 26.32 | 26.81 | 28.03 | 22.37          | 22.85 | 23.32 | 23.81 | 25.03 |
|                 | 12H  | 25.46            | 25.89 | 26.42 | 26.87 | 28.10 | 22.40          | 22.83 | 23.36 | 23.81 | 25.04 |
| 8H              | 4H   | 24.63            | 25.12 | 25.58 | 26.07 | 27.29 | 22.31          | 22.80 | 23.26 | 23.75 | 24.97 |
|                 | 6H   | 25.26            | 25.66 | 26.24 | 26.66 | 27.88 | 22.58          | 22.98 | 23.55 | 23.98 | 25.20 |
|                 | 8H   | 25.53            | 25.88 | 26.51 | 26.87 | 28.11 | 22.73          | 23.08 | 23.71 | 24.07 | 25.31 |
|                 | 12H  | 25.66            | 25.97 | 26.65 | 26.95 | 28.24 | 22.80          | 23.11 | 23.78 | 24.09 | 25.38 |
| 12H             | 4H   | 24.59            | 25.02 | 25.55 | 26.00 | 27.22 | 22.31          | 22.75 | 23.28 | 23.72 | 24.95 |
|                 | 6H   | 25.24            | 25.59 | 26.22 | 26.58 | 27.82 | 22.62          | 22.97 | 23.60 | 23.96 | 25.20 |
|                 | 8H   | 25.52            | 25.83 | 26.50 | 26.81 | 28.09 | 22.78          | 23.09 | 23.77 | 24.07 | 25.36 |