

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: P1427886

Luminaire Tested: SQ2W-PH1-K-050U-125D-L835-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1427886
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-050U-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 500 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

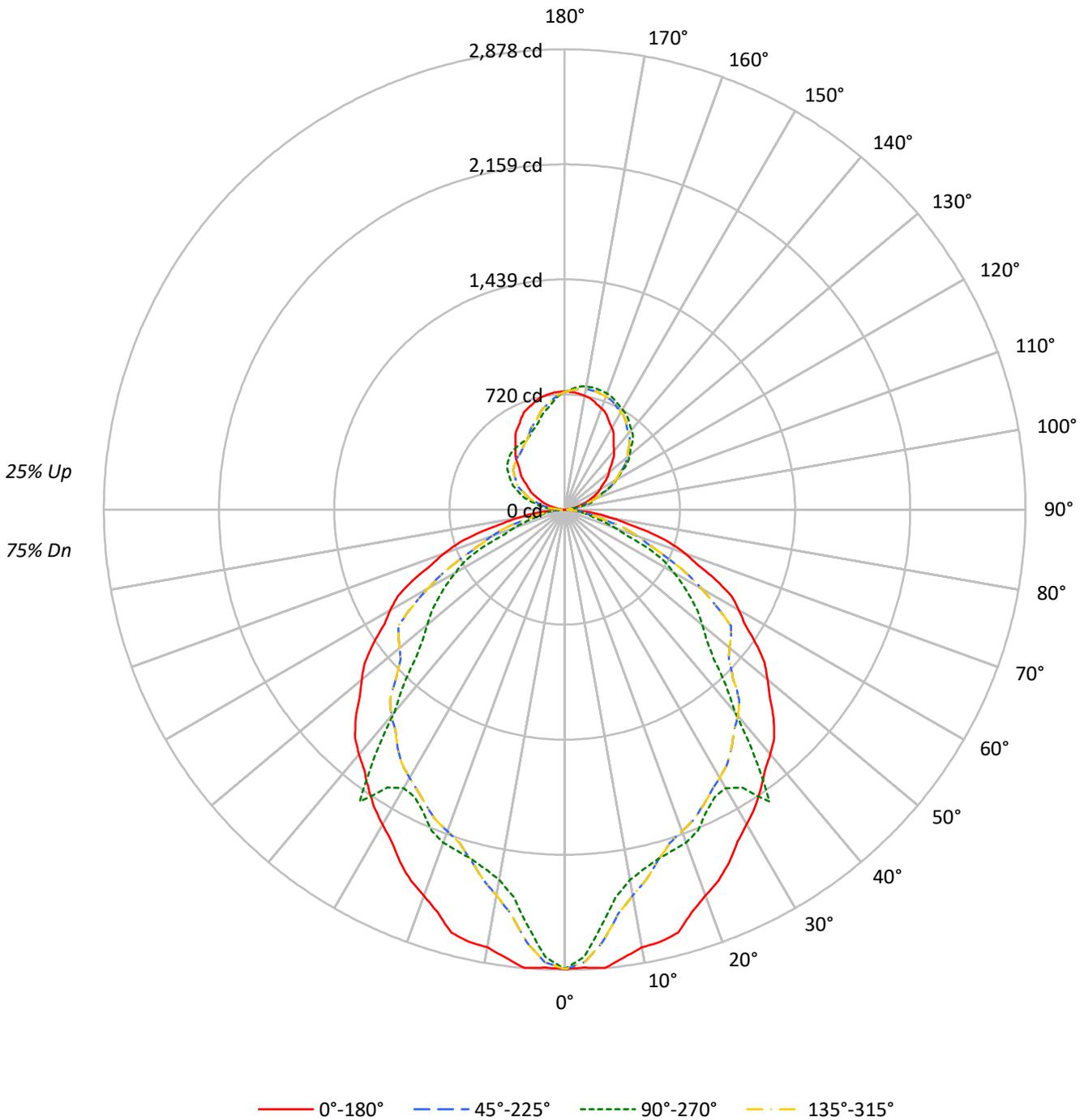
Lumens per Lamp: N/A
Luminaire Lumens: 8505.1 lumens
Efficiency: N/A
Efficacy: 132.7 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.02 / 1.23
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 64.1
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: P1427886

CATALOG NUMBER: SQ2W-PH1-K-050U-125D-L835-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P1427886

CATALOG NUMBER: SQ2W-PH1-K-050U-125D-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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 113 | 113 | 113 | 113 | 107 | 107 | 107 | 107 | 97 | 97 | 97 | 88 | 88 | 88 | 79 | 79 | 79 | 75 |
| 1 | 104 | 99 | 95 | 92 | 98 | 95 | 91 | 88 | 86 | 83 | 81 | 78 | 76 | 74 | 70 | 69 | 67 | 64 |
| 2 | 95 | 87 | 81 | 75 | 90 | 83 | 77 | 73 | 75 | 71 | 67 | 69 | 65 | 62 | 62 | 59 | 57 | 54 |
| 3 | 86 | 77 | 69 | 63 | 82 | 73 | 66 | 61 | 67 | 61 | 57 | 61 | 56 | 53 | 55 | 52 | 49 | 46 |
| 4 | 79 | 68 | 60 | 54 | 75 | 65 | 58 | 52 | 59 | 53 | 49 | 54 | 49 | 45 | 49 | 45 | 42 | 39 |
| 5 | 73 | 61 | 52 | 46 | 69 | 58 | 51 | 45 | 53 | 47 | 42 | 49 | 44 | 39 | 45 | 40 | 37 | 34 |
| 6 | 67 | 55 | 46 | 40 | 64 | 53 | 45 | 39 | 48 | 42 | 37 | 44 | 39 | 35 | 40 | 36 | 32 | 30 |
| 7 | 62 | 50 | 41 | 36 | 59 | 48 | 40 | 35 | 44 | 37 | 33 | 40 | 35 | 31 | 37 | 32 | 29 | 27 |
| 8 | 58 | 45 | 37 | 32 | 55 | 43 | 36 | 31 | 40 | 34 | 29 | 37 | 32 | 28 | 34 | 29 | 26 | 24 |
| 9 | 54 | 41 | 34 | 28 | 51 | 40 | 33 | 28 | 37 | 31 | 26 | 34 | 29 | 25 | 31 | 27 | 23 | 22 |
| 10 | 51 | 38 | 31 | 26 | 48 | 37 | 30 | 25 | 34 | 28 | 24 | 32 | 26 | 23 | 29 | 25 | 21 | 20 |

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 | 3.0 |
| 10°-20° | 664.8 | 7.8 |
| 20°-30° | 974.7 | 11.5 |
| 30°-40° | 1180.2 | 13.9 |
| 40°-50° | 1160.6 | 13.6 |
| 50°-60° | 1009.5 | 11.9 |
| 60°-70° | 702.1 | 8.3 |
| 70°-80° | 333.0 | 3.9 |
| 80°-90° | 76.5 | 0.9 |
| 90°-100° | 58.6 | 0.7 |
| 100°-110° | 171.0 | 2.0 |
| 110°-120° | 279.0 | 3.3 |
| 120°-130° | 354.0 | 4.2 |
| 130°-140° | 378.8 | 4.5 |
| 140°-150° | 353.8 | 4.2 |
| 150°-160° | 291.1 | 3.4 |
| 160°-170° | 195.2 | 2.3 |
| 170°-180° | 69.3 | 0.8 |
| 0°-30° | 1892.3 | 22.2 |
| 0°-40° | 3072.5 | 36.1 |
| 0°-60° | 5242.6 | 61.6 |
| 0°-90° | 6354.2 | 74.7 |
| 90°-120° | 508.6 | 6.0 |
| 90°-150° | 1595.3 | 18.8 |
| 90°-180° | 2151.0 | 25.3 |
| 0°-180° | 8505.1 | 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° | 2 | 16 | 2 | 32 | 2 | 4 |
| 95° | 23 | 17 | 23 | 100 | 23 | 28 |
| 105° | 109 | 174 | 109 | 240 | 109 | 116 |
| 115° | 208 | 289 | 208 | 356 | 208 | 205 |
| 125° | 308 | 458 | 308 | 436 | 308 | 276 |
| 135° | 419 | 599 | 419 | 483 | 419 | 324 |
| 145° | 535 | 690 | 535 | 493 | 535 | 335 |
| 155° | 636 | 750 | 636 | 512 | 636 | 292 |
| 165° | 702 | 782 | 702 | 589 | 702 | 198 |
| 175° | 734 | 766 | 734 | 691 | 734 | 70 |
| 180° | 737 | 737 | 737 | 737 | 737 | |



TEST NUMBER: P1427886

CATALOG NUMBER: SQ2W-PH1-K-050U-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° | 20.1 | 19.7 | 19.5 | 17.7 | 15.2 | 13.9 | 13.9 | 14.1 | 14.2 | 14.2 | 14.2 |
| 90° | 2.2 | 5.2 | 8.9 | 11.9 | 14.1 | 14.9 | 14.9 | 15.6 | 16.4 | 16.4 | 16.4 |
| 92.5° | 8.2 | 12.9 | 13.1 | 13.1 | 15.9 | 17.3 | 18.5 | 18.6 | 19.3 | 19.3 | 19.3 |
| 95° | 23.1 | 25.3 | 37.9 | 37.2 | 25.3 | 20.1 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 |
| 97.5° | 44.1 | 47.3 | 49.4 | 66.2 | 69.9 | 67.6 | 55.1 | 46.3 | 41.4 | 39.1 | 41.4 |
| 100° | 62.5 | 64.0 | 68.5 | 69.2 | 87.8 | 105.7 | 96.7 | 85.6 | 81.9 | 79.6 | 81.9 |
| 102.5° | 81.0 | 81.9 | 88.7 | 91.8 | 96.1 | 106.3 | 137.2 | 133.8 | 131.3 | 130.8 | 131.3 |
| 105° | 108.6 | 109.4 | 122.0 | 128.0 | 131.0 | 131.0 | 130.2 | 145.1 | 168.9 | 174.1 | 168.9 |
| 107.5° | 138.3 | 141.7 | 156.6 | 172.5 | 175.9 | 176.8 | 172.9 | 170.7 | 169.8 | 170.4 | 169.8 |
| 110° | 158.5 | 163.7 | 181.6 | 201.7 | 206.9 | 208.3 | 206.9 | 204.6 | 203.1 | 203.1 | 203.1 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 178.1 | 185.7 | 206.0 | 229.0 | 237.8 | 242.3 | 239.0 | 237.4 | 235.9 | 237.1 | 235.9 |
| 115° | 208.3 | 219.5 | 246.3 | 270.1 | 288.0 | 290.2 | 289.5 | 289.5 | 288.7 | 288.7 | 288.7 |
| 117.5° | 236.3 | 254.2 | 284.2 | 311.9 | 332.6 | 338.6 | 341.5 | 340.6 | 339.8 | 341.2 | 339.8 |
| 120° | 256.0 | 276.8 | 311.0 | 342.3 | 362.4 | 371.3 | 374.3 | 372.8 | 374.3 | 372.8 | 374.3 |
| 122.5° | 276.8 | 302.4 | 336.0 | 368.5 | 392.1 | 402.3 | 405.8 | 406.1 | 406.4 | 405.5 | 406.4 |
| 125° | 308.1 | 339.3 | 378.7 | 412.2 | 436.8 | 448.7 | 451.7 | 452.4 | 453.9 | 457.6 | 453.9 |
| 127.5° | 339.6 | 375.0 | 418.3 | 450.6 | 475.8 | 490.2 | 494.8 | 496.5 | 499.6 | 501.2 | 499.6 |
| 130° | 361.6 | 401.8 | 445.7 | 476.2 | 500.8 | 516.4 | 524.6 | 526.8 | 530.5 | 529.8 | 530.5 |
| 132.5° | 384.8 | 426.8 | 471.3 | 503.0 | 525.8 | 542.6 | 549.6 | 556.0 | 557.3 | 558.4 | 557.3 |
| 135° | 418.9 | 464.3 | 509.0 | 540.2 | 561.8 | 578.2 | 587.1 | 593.0 | 596.8 | 599.0 | 596.8 |
| 137.5° | 454.8 | 502.7 | 545.6 | 573.4 | 595.1 | 609.3 | 619.4 | 625.6 | 629.5 | 631.3 | 629.5 |
| 140° | 479.2 | 525.3 | 567.0 | 596.0 | 615.4 | 629.5 | 638.4 | 645.9 | 650.3 | 650.3 | 650.3 |
| 142.5° | 502.4 | 548.0 | 588.4 | 617.5 | 634.4 | 647.4 | 656.9 | 662.5 | 667.6 | 667.6 | 667.6 |
| 145° | 535.0 | 580.4 | 617.6 | 646.6 | 660.8 | 672.7 | 683.1 | 687.5 | 690.5 | 690.5 | 690.5 |
| 147.5° | 569.1 | 609.3 | 643.2 | 671.0 | 682.9 | 696.9 | 705.1 | 708.7 | 712.4 | 710.8 | 712.4 |
| 150° | 589.3 | 626.5 | 659.3 | 685.3 | 697.2 | 710.6 | 718.8 | 721.8 | 725.5 | 723.3 | 725.5 |
| 152.5° | 609.0 | 644.4 | 674.2 | 698.4 | 708.5 | 721.9 | 731.3 | 734.3 | 736.8 | 735.2 | 736.8 |
| 155° | 635.5 | 666.7 | 694.2 | 716.6 | 725.5 | 738.1 | 747.1 | 750.8 | 753.8 | 750.0 | 753.8 |
| 157.5° | 659.1 | 686.1 | 710.0 | 730.6 | 740.1 | 750.9 | 759.3 | 763.9 | 766.9 | 765.2 | 766.9 |
| 160° | 673.4 | 698.0 | 719.5 | 738.9 | 747.8 | 757.5 | 766.4 | 771.6 | 774.6 | 772.4 | 774.6 |
| 162.5° | 685.3 | 707.5 | 727.9 | 745.4 | 753.2 | 761.7 | 772.4 | 777.0 | 780.0 | 777.1 | 780.0 |
| 165° | 702.4 | 720.3 | 738.1 | 753.0 | 759.7 | 766.4 | 777.6 | 782.8 | 785.0 | 782.0 | 785.0 |
| 167.5° | 715.4 | 729.1 | 743.5 | 756.3 | 761.2 | 767.8 | 778.9 | 783.2 | 786.1 | 782.3 | 786.1 |
| 170° | 722.5 | 734.4 | 747.1 | 757.5 | 761.2 | 767.2 | 778.3 | 782.0 | 784.3 | 780.6 | 784.3 |
| 172.5° | 728.5 | 737.4 | 747.7 | 756.9 | 758.8 | 763.6 | 774.2 | 777.9 | 779.5 | 776.4 | 779.5 |
| 175° | 734.4 | 739.6 | 747.1 | 753.0 | 752.3 | 755.3 | 764.2 | 767.2 | 770.1 | 765.7 | 770.1 |
| 177.5° | 737.3 | 739.6 | 742.0 | 745.6 | 743.2 | 743.2 | 749.8 | 751.5 | 752.1 | 749.8 | 752.1 |
| 180° | 736.7 | 736.7 | 736.7 | 736.7 | 736.7 | 736.7 | 736.7 | 736.7 | 736.7 | 736.7 | 736.7 |



TEST NUMBER: P1427886

CATALOG NUMBER: SQ2W-PH1-K-050U-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° | 14.1 | 13.9 | 13.9 | 15.2 | 17.7 | 19.5 | 19.7 | 20.1 | 19.7 | 19.4 | 18.0 |
| 90° | 15.6 | 14.9 | 14.9 | 14.1 | 11.9 | 8.9 | 5.2 | 2.2 | 5.2 | 8.2 | 13.4 |
| 92.5° | 18.6 | 18.5 | 17.3 | 15.9 | 13.1 | 13.1 | 12.9 | 8.2 | 14.1 | 20.1 | 28.9 |
| 95° | 17.1 | 17.1 | 20.1 | 25.3 | 37.2 | 37.9 | 25.3 | 23.1 | 32.7 | 46.1 | 58.0 |
| 97.5° | 46.3 | 55.1 | 67.6 | 69.9 | 66.2 | 49.4 | 47.3 | 44.1 | 60.0 | 73.2 | 92.4 |
| 100° | 85.6 | 96.7 | 105.7 | 87.8 | 69.2 | 68.5 | 64.0 | 62.5 | 79.6 | 92.3 | 110.9 |
| 102.5° | 133.8 | 137.2 | 106.3 | 96.1 | 91.8 | 88.7 | 81.9 | 81.0 | 98.1 | 115.5 | 131.1 |
| 105° | 145.1 | 130.2 | 131.0 | 131.0 | 128.0 | 122.0 | 109.4 | 108.6 | 128.0 | 148.1 | 167.4 |
| 107.5° | 170.7 | 172.9 | 176.8 | 175.9 | 172.5 | 156.6 | 141.7 | 138.3 | 155.7 | 179.8 | 201.1 |
| 110° | 204.6 | 206.9 | 208.3 | 206.9 | 201.7 | 181.6 | 163.7 | 158.5 | 174.1 | 199.4 | 222.5 |



TEST NUMBER: P1427886

CATALOG NUMBER: SQ2W-PH1-K-050U-125D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° | 190° | 200° | 210° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 237.4 | 239.0 | 242.3 | 237.8 | 229.0 | 206.0 | 185.7 | 178.1 | 193.8 | 219.7 | 243.3 |
| 115° | 289.5 | 289.5 | 290.2 | 288.0 | 270.1 | 246.3 | 219.5 | 208.3 | 221.7 | 245.6 | 271.6 |
| 117.5° | 340.6 | 341.5 | 338.6 | 332.6 | 311.9 | 284.2 | 254.2 | 236.3 | 246.9 | 272.0 | 298.8 |
| 120° | 372.8 | 374.3 | 371.3 | 362.4 | 342.3 | 311.0 | 276.8 | 256.0 | 264.2 | 288.7 | 315.5 |
| 122.5° | 406.1 | 405.8 | 402.3 | 392.1 | 368.5 | 336.0 | 302.4 | 276.8 | 280.2 | 303.0 | 329.2 |
| 125° | 452.4 | 451.7 | 448.7 | 436.8 | 412.2 | 378.7 | 339.3 | 308.1 | 303.6 | 322.9 | 349.7 |
| 127.5° | 496.5 | 494.8 | 490.2 | 475.8 | 450.6 | 418.3 | 375.0 | 339.6 | 329.6 | 341.8 | 366.4 |
| 130° | 526.8 | 524.6 | 516.4 | 500.8 | 476.2 | 445.7 | 401.8 | 361.6 | 347.5 | 354.9 | 376.5 |
| 132.5° | 556.0 | 549.6 | 542.6 | 525.8 | 503.0 | 471.3 | 426.8 | 384.8 | 365.4 | 368.6 | 385.4 |
| 135° | 593.0 | 587.1 | 578.2 | 561.8 | 540.2 | 509.0 | 464.3 | 418.9 | 392.1 | 389.2 | 398.8 |
| 137.5° | 625.6 | 619.4 | 609.3 | 595.1 | 573.4 | 545.6 | 502.7 | 454.8 | 421.0 | 411.0 | 414.8 |
| 140° | 645.9 | 638.4 | 629.5 | 615.4 | 596.0 | 567.0 | 525.3 | 479.2 | 441.2 | 427.1 | 424.9 |
| 142.5° | 662.5 | 656.9 | 647.4 | 634.4 | 617.5 | 588.4 | 548.0 | 502.4 | 462.1 | 443.8 | 438.6 |
| 145° | 687.5 | 683.1 | 672.7 | 660.8 | 646.6 | 617.6 | 580.4 | 535.0 | 494.8 | 471.0 | 459.9 |
| 147.5° | 708.7 | 705.1 | 696.9 | 682.9 | 671.0 | 643.2 | 609.3 | 569.1 | 527.9 | 498.4 | 484.0 |
| 150° | 721.8 | 718.8 | 710.6 | 697.2 | 685.3 | 659.3 | 626.5 | 589.3 | 549.9 | 518.6 | 500.0 |
| 152.5° | 734.3 | 731.3 | 721.9 | 708.5 | 698.4 | 674.2 | 644.4 | 609.0 | 568.9 | 537.7 | 518.5 |
| 155° | 750.8 | 747.1 | 738.1 | 725.5 | 716.6 | 694.2 | 666.7 | 635.5 | 601.2 | 568.5 | 546.9 |
| 157.5° | 763.9 | 759.3 | 750.9 | 740.1 | 730.6 | 710.0 | 686.1 | 659.1 | 629.2 | 598.0 | 575.9 |
| 160° | 771.6 | 766.4 | 757.5 | 747.8 | 738.9 | 719.5 | 698.0 | 673.4 | 645.9 | 617.6 | 593.8 |
| 162.5° | 777.0 | 772.4 | 761.7 | 753.2 | 745.4 | 727.9 | 707.5 | 685.3 | 660.8 | 636.1 | 614.0 |
| 165° | 782.8 | 777.6 | 766.4 | 759.7 | 753.0 | 738.1 | 720.3 | 702.4 | 681.6 | 661.5 | 643.6 |
| 167.5° | 783.2 | 778.9 | 767.8 | 761.2 | 756.3 | 743.5 | 729.1 | 715.4 | 699.2 | 683.4 | 668.5 |
| 170° | 782.0 | 778.3 | 767.2 | 761.2 | 757.5 | 747.1 | 734.4 | 722.5 | 709.9 | 696.5 | 684.6 |
| 172.5° | 777.9 | 774.2 | 763.6 | 758.8 | 756.9 | 747.7 | 737.4 | 728.5 | 717.6 | 707.8 | 698.3 |
| 175° | 767.2 | 764.2 | 755.3 | 752.3 | 753.0 | 747.1 | 739.6 | 734.4 | 727.7 | 721.8 | 716.6 |
| 177.5° | 751.5 | 749.8 | 743.2 | 743.2 | 745.6 | 742.0 | 739.6 | 737.3 | 734.3 | 732.5 | 730.7 |
| 180° | 736.7 | 736.7 | 736.7 | 736.7 | 736.7 | 736.7 | 736.7 | 736.7 | 736.7 | 736.7 | 736.7 |



TEST NUMBER: P1427886

CATALOG NUMBER: SQ2W-PH1-K-050U-125D-L835-UNV-STD-W-WM-4

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° | 15.8 | 15.4 | 16.4 | 17.0 | 17.6 | 17.3 | 17.6 | 17.0 | 16.4 | 15.4 | 15.8 |
| 90° | 17.1 | 22.3 | 27.5 | 30.5 | 33.5 | 32.0 | 33.5 | 30.5 | 22.3 | 17.1 | 17.1 |
| 92.5° | 34.4 | 43.2 | 49.6 | 54.9 | 57.3 | 57.0 | 57.3 | 49.6 | 43.2 | 34.4 | 34.4 |
| 95° | 69.2 | 79.6 | 90.0 | 97.5 | 101.9 | 100.5 | 101.9 | 97.5 | 90.0 | 79.6 | 69.2 |
| 97.5° | 106.7 | 120.7 | 132.3 | 139.3 | 143.8 | 146.7 | 143.8 | 139.3 | 132.3 | 120.7 | 106.7 |
| 100° | 131.7 | 145.1 | 158.5 | 166.7 | 174.1 | 177.1 | 174.1 | 166.7 | 158.5 | 145.1 | 131.7 |
| 102.5° | 151.9 | 169.5 | 184.1 | 192.9 | 199.1 | 202.1 | 199.1 | 192.9 | 184.1 | 169.5 | 151.9 |
| 105° | 185.3 | 203.9 | 219.5 | 230.7 | 237.4 | 239.6 | 237.4 | 230.7 | 219.5 | 203.9 | 185.3 |
| 107.5° | 218.6 | 237.8 | 252.2 | 264.6 | 272.8 | 277.5 | 272.8 | 264.6 | 252.2 | 237.8 | 218.6 |
| 110° | 244.8 | 260.4 | 276.1 | 287.2 | 295.4 | 298.4 | 295.4 | 287.2 | 276.1 | 260.4 | 244.8 |

TEST NUMBER: P1427886

CATALOG NUMBER: SQ2W-PH1-K-050U-125D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 220° | 230° | 240° | 250° | 260° | 270° | 280° | 290° | 300° | 310° | 320° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 266.8 | 284.2 | 299.9 | 311.0 | 320.4 | 324.6 | 320.4 | 311.0 | 299.9 | 284.2 | 266.8 |
| 115° | 297.6 | 320.7 | 334.8 | 345.3 | 352.0 | 355.7 | 352.0 | 345.3 | 334.8 | 320.7 | 297.6 |
| 117.5° | 323.2 | 347.3 | 362.8 | 370.9 | 374.0 | 376.7 | 374.0 | 370.9 | 362.8 | 347.3 | 323.2 |
| 120° | 339.3 | 361.6 | 379.5 | 389.9 | 393.6 | 395.1 | 393.6 | 389.9 | 379.5 | 361.6 | 339.3 |
| 122.5° | 354.2 | 375.3 | 392.6 | 405.4 | 411.5 | 413.0 | 411.5 | 405.4 | 392.6 | 375.3 | 354.2 |
| 125° | 375.0 | 395.1 | 413.0 | 425.6 | 432.3 | 436.0 | 432.3 | 425.6 | 413.0 | 395.1 | 375.0 |
| 127.5° | 393.2 | 414.9 | 431.3 | 442.7 | 449.3 | 452.3 | 449.3 | 442.7 | 431.3 | 414.9 | 393.2 |
| 130° | 403.3 | 425.6 | 442.0 | 454.6 | 460.6 | 463.6 | 460.6 | 454.6 | 442.0 | 425.6 | 403.3 |
| 132.5° | 411.0 | 434.6 | 451.5 | 463.0 | 469.5 | 472.5 | 469.5 | 463.0 | 451.5 | 434.6 | 411.0 |
| 135° | 420.4 | 445.0 | 462.8 | 474.0 | 479.9 | 482.9 | 479.9 | 474.0 | 462.8 | 445.0 | 420.4 |
| 137.5° | 428.6 | 450.9 | 469.5 | 481.3 | 486.6 | 488.6 | 486.6 | 481.3 | 469.5 | 450.9 | 428.6 |
| 140° | 434.6 | 453.9 | 472.5 | 483.7 | 489.6 | 490.4 | 489.6 | 483.7 | 472.5 | 453.9 | 434.6 |
| 142.5° | 442.3 | 457.5 | 473.7 | 484.9 | 490.8 | 492.1 | 490.8 | 484.9 | 473.7 | 457.5 | 442.3 |
| 145° | 456.1 | 465.1 | 476.2 | 486.6 | 491.8 | 493.3 | 491.8 | 486.6 | 476.2 | 465.1 | 456.1 |
| 147.5° | 473.5 | 476.4 | 482.2 | 489.0 | 494.1 | 495.1 | 494.1 | 489.0 | 482.2 | 476.4 | 473.5 |
| 150° | 486.6 | 485.9 | 488.1 | 492.6 | 497.1 | 496.3 | 497.1 | 492.6 | 488.1 | 485.9 | 486.6 |
| 152.5° | 501.5 | 497.2 | 497.1 | 499.1 | 501.2 | 501.1 | 501.2 | 499.1 | 497.1 | 497.2 | 501.5 |
| 155° | 526.8 | 518.6 | 514.2 | 512.7 | 512.7 | 511.9 | 512.7 | 512.7 | 514.2 | 518.6 | 526.8 |
| 157.5° | 554.6 | 543.2 | 536.5 | 532.9 | 531.9 | 530.2 | 531.9 | 532.9 | 536.5 | 543.2 | 554.6 |
| 160° | 573.7 | 561.0 | 554.4 | 548.4 | 546.2 | 543.9 | 546.2 | 548.4 | 554.4 | 561.0 | 573.7 |
| 162.5° | 591.6 | 579.5 | 572.2 | 566.9 | 564.6 | 561.2 | 564.6 | 566.9 | 572.2 | 579.5 | 591.6 |
| 165° | 620.6 | 607.9 | 599.7 | 595.3 | 592.3 | 589.3 | 592.3 | 595.3 | 599.7 | 607.9 | 620.6 |
| 167.5° | 649.6 | 635.8 | 630.4 | 625.3 | 622.5 | 617.2 | 622.5 | 625.3 | 630.4 | 635.8 | 649.6 |
| 170° | 667.5 | 654.8 | 651.8 | 647.4 | 642.2 | 636.2 | 642.2 | 647.4 | 651.8 | 654.8 | 667.5 |
| 172.5° | 682.9 | 674.4 | 671.5 | 667.0 | 665.4 | 660.6 | 665.4 | 667.0 | 671.5 | 674.4 | 682.9 |
| 175° | 705.4 | 698.7 | 698.7 | 698.0 | 695.7 | 691.3 | 695.7 | 698.0 | 698.7 | 698.7 | 705.4 |
| 177.5° | 724.2 | 720.6 | 723.0 | 723.0 | 722.4 | 718.2 | 722.4 | 723.0 | 723.0 | 720.6 | 724.2 |
| 180° | 736.7 | 736.7 | 736.7 | 736.7 | 736.7 | 736.7 | 736.7 | 736.7 | 736.7 | 736.7 | 736.7 |



TEST NUMBER: P1427886

CATALOG NUMBER: SQ2W-PH1-K-050U-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° | 18.0 | 19.4 | 19.7 | 20.1 |
| 90° | 13.4 | 8.2 | 5.2 | 2.2 |
| 92.5° | 28.9 | 20.1 | 14.1 | 8.2 |
| 95° | 58.0 | 46.1 | 32.7 | 23.1 |
| 97.5° | 92.4 | 73.2 | 60.0 | 44.1 |
| 100° | 110.9 | 92.3 | 79.6 | 62.5 |
| 102.5° | 131.1 | 115.5 | 98.1 | 81.0 |
| 105° | 167.4 | 148.1 | 128.0 | 108.6 |
| 107.5° | 201.1 | 179.8 | 155.7 | 138.3 |
| 110° | 222.5 | 199.4 | 174.1 | 158.5 |



TEST NUMBER: P1427886

CATALOG NUMBER: SQ2W-PH1-K-050U-125D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 330° | 340° | 350° | 360° |
|--------|-------|-------|-------|-------|
| 112.5° | 243.3 | 219.7 | 193.8 | 178.1 |
| 115° | 271.6 | 245.6 | 221.7 | 208.3 |
| 117.5° | 298.8 | 272.0 | 246.9 | 236.3 |
| 120° | 315.5 | 288.7 | 264.2 | 256.0 |
| 122.5° | 329.2 | 303.0 | 280.2 | 276.8 |
| 125° | 349.7 | 322.9 | 303.6 | 308.1 |
| 127.5° | 366.4 | 341.8 | 329.6 | 339.6 |
| 130° | 376.5 | 354.9 | 347.5 | 361.6 |
| 132.5° | 385.4 | 368.6 | 365.4 | 384.8 |
| 135° | 398.8 | 389.2 | 392.1 | 418.9 |
| 137.5° | 414.8 | 411.0 | 421.0 | 454.8 |
| 140° | 424.9 | 427.1 | 441.2 | 479.2 |
| 142.5° | 438.6 | 443.8 | 462.1 | 502.4 |
| 145° | 459.9 | 471.0 | 494.8 | 535.0 |
| 147.5° | 484.0 | 498.4 | 527.9 | 569.1 |
| 150° | 500.0 | 518.6 | 549.9 | 589.3 |
| 152.5° | 518.5 | 537.7 | 568.9 | 609.0 |
| 155° | 546.9 | 568.5 | 601.2 | 635.5 |
| 157.5° | 575.9 | 598.0 | 629.2 | 659.1 |
| 160° | 593.8 | 617.6 | 645.9 | 673.4 |
| 162.5° | 614.0 | 636.1 | 660.8 | 685.3 |
| 165° | 643.6 | 661.5 | 681.6 | 702.4 |
| 167.5° | 668.5 | 683.4 | 699.2 | 715.4 |
| 170° | 684.6 | 696.5 | 709.9 | 722.5 |
| 172.5° | 698.3 | 707.8 | 717.6 | 728.5 |
| 175° | 716.6 | 721.8 | 727.7 | 734.4 |
| 177.5° | 730.7 | 732.5 | 734.3 | 737.3 |
| 180° | 736.7 | 736.7 | 736.7 | 736.7 |



TEST NUMBER: P1427886
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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 | 22.24 | 23.36 | 22.95 | 24.10 | 24.97 | 21.07 | 22.19 | 21.78 | 22.92 | 23.79 |
| | 3H | 24.43 | 25.44 | 25.16 | 26.18 | 27.09 | 22.14 | 23.15 | 22.86 | 23.89 | 24.79 |
| | 4H | 25.26 | 26.21 | 26.00 | 26.96 | 27.88 | 22.39 | 23.35 | 23.14 | 24.10 | 25.01 |
| | 6H | 25.74 | 26.62 | 26.50 | 27.38 | 28.31 | 22.55 | 23.43 | 23.31 | 24.19 | 25.12 |
| | 8H | 25.90 | 26.73 | 26.67 | 27.52 | 28.45 | 22.62 | 23.45 | 23.38 | 24.23 | 25.16 |
| | 12H | 25.97 | 26.76 | 26.74 | 27.54 | 28.49 | 22.64 | 23.43 | 23.41 | 24.21 | 25.16 |
| 4H | 2H | 22.71 | 23.66 | 23.46 | 24.41 | 25.32 | 21.78 | 22.73 | 22.53 | 23.49 | 24.40 |
| | 3H | 24.98 | 25.77 | 25.74 | 26.56 | 27.49 | 23.04 | 23.83 | 23.80 | 24.62 | 25.55 |
| | 4H | 25.87 | 26.58 | 26.64 | 27.37 | 28.33 | 23.34 | 24.06 | 24.12 | 24.85 | 25.81 |
| | 6H | 26.44 | 27.06 | 27.24 | 27.87 | 28.84 | 23.55 | 24.17 | 24.35 | 24.99 | 25.95 |
| | 8H | 26.65 | 27.23 | 27.45 | 28.04 | 29.02 | 23.65 | 24.23 | 24.45 | 25.04 | 26.02 |
| | 12H | 26.75 | 27.27 | 27.57 | 28.10 | 29.08 | 23.69 | 24.21 | 24.51 | 25.04 | 26.02 |
| 8H | 4H | 25.91 | 26.49 | 26.71 | 27.30 | 28.28 | 23.59 | 24.17 | 24.39 | 24.98 | 25.96 |
| | 6H | 26.55 | 27.03 | 27.38 | 27.88 | 28.86 | 23.87 | 24.35 | 24.70 | 25.20 | 26.18 |
| | 8H | 26.82 | 27.24 | 27.66 | 28.09 | 29.09 | 24.02 | 24.44 | 24.86 | 25.29 | 26.29 |
| | 12H | 26.96 | 27.33 | 27.80 | 28.17 | 29.23 | 24.09 | 24.47 | 24.94 | 25.31 | 26.36 |
| 12H | 4H | 25.87 | 26.40 | 26.69 | 27.23 | 28.21 | 23.60 | 24.12 | 24.42 | 24.95 | 25.93 |
| | 6H | 26.53 | 26.95 | 27.37 | 27.80 | 28.80 | 23.91 | 24.33 | 24.75 | 25.18 | 26.18 |
| | 8H | 26.81 | 27.19 | 27.65 | 28.03 | 29.08 | 24.08 | 24.46 | 24.92 | 25.29 | 26.35 |