

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: P1428191

Luminaire Tested: SQ2W-PR1-K-025U-100D-L830-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428191
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-9)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PR1-K-025U-100D-L830-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE RIPPLE LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1000 LUMENS PER FOOT
UPLIGHT 250 LUMENS PER FOOT
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

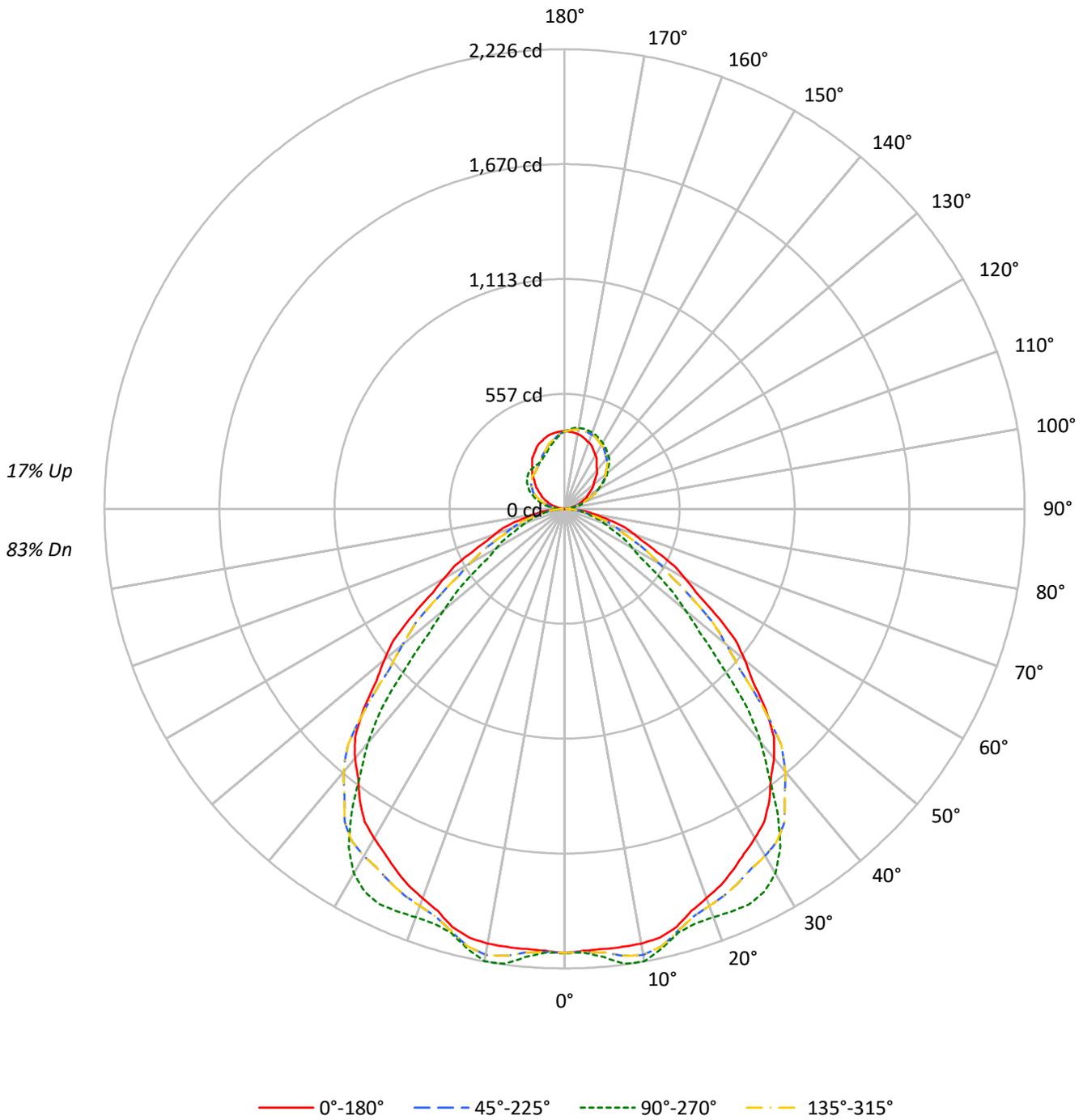
Lumens per Lamp: N/A
Luminaire Lumens: 6271.6 lumens
Efficiency: N/A
Efficacy: 139.1 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.34 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 45.1
Input Voltage (V): 120
Input Current (A_{in}): 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: P1428191

CATALOG NUMBER: SQ2W-PR1-K-025U-100D-L830-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P1428191

CATALOG NUMBER: SQ2W-PR1-K-025U-100D-L830-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 | 115 | 115 | 115 | 115 | 110 | 110 | 110 | 110 | 101 | 101 | 101 | 93 | 93 | 93 | 86 | 86 | 86 | 83 |
| 1 | 106 | 102 | 98 | 95 | 102 | 98 | 95 | 92 | 91 | 88 | 86 | 84 | 82 | 80 | 78 | 76 | 75 | 72 |
| 2 | 98 | 90 | 84 | 79 | 93 | 87 | 82 | 77 | 81 | 76 | 73 | 75 | 72 | 69 | 70 | 67 | 65 | 62 |
| 3 | 90 | 80 | 73 | 67 | 86 | 77 | 71 | 66 | 72 | 67 | 62 | 67 | 63 | 59 | 63 | 59 | 56 | 53 |
| 4 | 83 | 72 | 64 | 58 | 79 | 69 | 62 | 57 | 65 | 59 | 54 | 60 | 56 | 52 | 57 | 52 | 49 | 47 |
| 5 | 76 | 65 | 56 | 50 | 73 | 62 | 55 | 49 | 58 | 52 | 47 | 55 | 49 | 45 | 51 | 47 | 43 | 41 |
| 6 | 71 | 58 | 50 | 44 | 68 | 57 | 49 | 44 | 53 | 47 | 42 | 50 | 44 | 40 | 47 | 42 | 38 | 36 |
| 7 | 66 | 53 | 45 | 39 | 63 | 52 | 44 | 39 | 48 | 42 | 37 | 46 | 40 | 36 | 43 | 38 | 34 | 32 |
| 8 | 61 | 49 | 41 | 35 | 59 | 47 | 40 | 35 | 44 | 38 | 33 | 42 | 36 | 32 | 40 | 35 | 31 | 29 |
| 9 | 57 | 45 | 37 | 32 | 55 | 43 | 36 | 31 | 41 | 35 | 30 | 39 | 33 | 29 | 37 | 32 | 28 | 26 |
| 10 | 53 | 41 | 34 | 29 | 51 | 40 | 33 | 28 | 38 | 32 | 27 | 36 | 30 | 27 | 34 | 29 | 26 | 24 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|-------|-------|-------|
| 0° | 34734 | 34734 | 34734 | 34734 |
| 5° | 34688 | 35329 | 34688 | 35329 |
| 10° | 35053 | 36493 | 35053 | 36493 |
| 15° | 35043 | 35520 | 35043 | 35520 |
| 20° | 34477 | 36171 | 34477 | 36171 |
| 25° | 34379 | 37660 | 34379 | 37660 |
| 30° | 34343 | 38021 | 34343 | 38021 |
| 35° | 34018 | 35399 | 34018 | 35399 |
| 40° | 33231 | 31153 | 33231 | 31153 |
| 45° | 31446 | 24635 | 31446 | 24635 |
| 50° | 28587 | 19115 | 28587 | 19115 |
| 55° | 25123 | 14877 | 25123 | 14877 |
| 60° | 21738 | 12251 | 21738 | 12251 |
| 65° | 18766 | 10724 | 18766 | 10724 |
| 70° | 16876 | 9526 | 16876 | 9526 |
| 75° | 15458 | 8752 | 15458 | 8752 |
| 80° | 13454 | 8563 | 13454 | 8563 |
| 85° | 9744 | 4057 | 9744 | 4057 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 33759 cd/sqm



TEST NUMBER: P1428191

CATALOG NUMBER: SQ2W-PR1-K-025U-100D-L830-UNV-STD-W-WM-4

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 207.8 | 3.3 |
| 10°-20° | 601.4 | 9.6 |
| 20°-30° | 929.7 | 14.8 |
| 30°-40° | 1118.0 | 17.8 |
| 40°-50° | 1004.0 | 16.0 |
| 50°-60° | 672.7 | 10.7 |
| 60°-70° | 391.3 | 6.2 |
| 70°-80° | 201.0 | 3.2 |
| 80°-90° | 51.1 | 0.8 |
| 90°-100° | 29.8 | 0.5 |
| 100°-110° | 87.0 | 1.4 |
| 110°-120° | 142.0 | 2.3 |
| 120°-130° | 180.2 | 2.9 |
| 130°-140° | 192.8 | 3.1 |
| 140°-150° | 180.0 | 2.9 |
| 150°-160° | 148.1 | 2.4 |
| 160°-170° | 99.3 | 1.6 |
| 170°-180° | 35.3 | 0.6 |
| 0°-30° | 1738.9 | 27.7 |
| 0°-40° | 2856.9 | 45.6 |
| 0°-60° | 4533.7 | 72.3 |
| 0°-90° | 5177.1 | 82.5 |
| 90°-120° | 258.8 | 4.1 |
| 90°-150° | 811.7 | 12.9 |
| 90°-180° | 1094.0 | 17.4 |
| 0°-180° | 6271.6 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 2151 | 2151 | 2151 | 2151 | 2151 | |
| 5° | 2140 | 2180 | 2140 | 2180 | 2140 | 204 |
| 15° | 2096 | 2125 | 2096 | 2125 | 2096 | 589 |
| 25° | 1930 | 2114 | 1930 | 2114 | 1930 | 890 |
| 35° | 1726 | 1796 | 1726 | 1796 | 1726 | 1076 |
| 45° | 1377 | 1079 | 1377 | 1079 | 1377 | 1053 |
| 55° | 892 | 528 | 892 | 528 | 892 | 802 |
| 65° | 491 | 281 | 491 | 281 | 491 | 497 |
| 75° | 248 | 140 | 248 | 140 | 248 | 263 |
| 85° | 53 | 22 | 53 | 22 | 53 | 65 |
| 90° | 1 | 8 | 1 | 16 | 1 | 3 |
| 95° | 12 | 9 | 12 | 51 | 12 | 14 |
| 105° | 55 | 89 | 55 | 122 | 55 | 59 |
| 115° | 106 | 147 | 106 | 181 | 106 | 104 |
| 125° | 157 | 233 | 157 | 222 | 157 | 140 |
| 135° | 213 | 305 | 213 | 246 | 213 | 165 |
| 145° | 272 | 351 | 272 | 251 | 272 | 170 |
| 155° | 323 | 382 | 323 | 260 | 323 | 149 |
| 165° | 357 | 398 | 357 | 300 | 357 | 101 |
| 175° | 374 | 390 | 374 | 352 | 374 | 35 |
| 180° | 375 | 375 | 375 | 375 | 375 | |



TEST NUMBER: P1428191

CATALOG NUMBER: SQ2W-PR1-K-025U-100D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2151.3 | 2151.3 | 2151.3 | 2151.3 | 2151.3 | 2151.3 | 2151.3 | 2151.3 | 2151.3 | 2151.3 | 2151.3 |
| 2.5° | 2142.5 | 2154.2 | 2165.9 | 2160.6 | 2149.7 | 2144.7 | 2145.4 | 2146.6 | 2149.0 | 2151.3 | 2149.0 |
| 5° | 2140.3 | 2156.9 | 2173.5 | 2169.6 | 2158.8 | 2154.5 | 2156.4 | 2160.3 | 2170.1 | 2179.8 | 2170.1 |
| 7.5° | 2139.9 | 2163.5 | 2187.1 | 2188.9 | 2183.4 | 2183.5 | 2189.2 | 2196.6 | 2209.5 | 2222.3 | 2209.5 |
| 10° | 2138.1 | 2166.4 | 2194.7 | 2198.8 | 2194.9 | 2193.4 | 2194.4 | 2198.6 | 2212.2 | 2225.9 | 2212.2 |
| 12.5° | 2127.6 | 2160.5 | 2193.5 | 2190.0 | 2174.4 | 2166.0 | 2164.6 | 2165.4 | 2172.8 | 2180.2 | 2172.8 |
| 15° | 2096.5 | 2135.5 | 2174.4 | 2158.6 | 2124.5 | 2108.9 | 2111.8 | 2115.2 | 2120.1 | 2125.0 | 2120.1 |
| 17.5° | 2041.6 | 2082.4 | 2123.1 | 2108.9 | 2076.3 | 2065.3 | 2075.9 | 2086.1 | 2095.7 | 2105.2 | 2095.7 |
| 20° | 2006.6 | 2046.5 | 2086.5 | 2076.7 | 2050.4 | 2044.1 | 2057.7 | 2072.1 | 2088.7 | 2105.2 | 2088.7 |
| 22.5° | 1975.0 | 2014.9 | 2054.9 | 2048.7 | 2027.0 | 2025.8 | 2044.9 | 2064.9 | 2087.7 | 2110.5 | 2087.7 |
| 25° | 1929.8 | 1964.9 | 2000.0 | 2000.7 | 1990.0 | 2000.7 | 2032.9 | 2063.3 | 2088.7 | 2114.0 | 2088.7 |
| 27.5° | 1882.4 | 1903.1 | 1923.8 | 1937.4 | 1948.7 | 1976.1 | 2019.6 | 2056.6 | 2074.3 | 2092.1 | 2074.3 |
| 30° | 1842.1 | 1855.7 | 1869.4 | 1894.7 | 1924.0 | 1957.6 | 1995.6 | 2025.8 | 2032.6 | 2039.4 | 2032.6 |
| 32.5° | 1798.2 | 1806.4 | 1814.6 | 1850.3 | 1895.1 | 1927.6 | 1947.6 | 1960.5 | 1951.7 | 1943.0 | 1951.7 |
| 35° | 1725.9 | 1732.7 | 1739.5 | 1785.1 | 1843.5 | 1865.0 | 1849.4 | 1833.1 | 1814.5 | 1796.0 | 1814.5 |
| 37.5° | 1639.9 | 1653.9 | 1668.0 | 1705.1 | 1749.9 | 1749.5 | 1703.9 | 1664.4 | 1643.2 | 1621.9 | 1643.2 |
| 40° | 1576.7 | 1600.1 | 1623.5 | 1648.4 | 1673.7 | 1652.3 | 1584.0 | 1526.8 | 1502.4 | 1478.1 | 1502.4 |
| 42.5° | 1499.5 | 1537.0 | 1574.4 | 1580.0 | 1574.9 | 1528.9 | 1441.9 | 1369.3 | 1339.5 | 1309.6 | 1339.5 |
| 45° | 1377.2 | 1427.9 | 1478.5 | 1449.5 | 1394.0 | 1318.9 | 1224.4 | 1145.2 | 1112.1 | 1078.9 | 1112.1 |
| 47.5° | 1232.9 | 1284.9 | 1337.0 | 1282.3 | 1192.0 | 1104.7 | 1020.3 | 949.3 | 918.3 | 887.3 | 918.3 |
| 50° | 1138.1 | 1180.1 | 1222.0 | 1160.1 | 1063.6 | 975.9 | 896.9 | 829.2 | 795.1 | 761.0 | 795.1 |
| 52.5° | 1041.7 | 1071.9 | 1102.1 | 1040.8 | 949.0 | 863.6 | 784.6 | 717.7 | 686.7 | 655.7 | 686.7 |
| 55° | 892.5 | 908.1 | 923.7 | 866.9 | 786.1 | 708.1 | 633.0 | 571.4 | 549.9 | 528.5 | 549.9 |
| 57.5° | 755.7 | 765.6 | 775.6 | 721.8 | 646.7 | 577.3 | 513.6 | 461.8 | 446.0 | 430.3 | 446.0 |
| 60° | 673.2 | 680.1 | 686.9 | 632.3 | 557.3 | 494.9 | 445.2 | 404.7 | 392.1 | 379.4 | 392.1 |
| 62.5° | 597.8 | 603.1 | 608.3 | 555.7 | 483.8 | 428.0 | 388.4 | 356.4 | 346.8 | 337.3 | 346.8 |
| 65° | 491.2 | 496.1 | 501.0 | 456.1 | 394.7 | 348.9 | 318.7 | 294.3 | 287.5 | 280.7 | 287.5 |
| 67.5° | 406.6 | 409.1 | 411.6 | 374.7 | 324.6 | 287.7 | 263.9 | 244.4 | 238.0 | 231.6 | 238.0 |
| 70° | 357.5 | 358.4 | 359.4 | 326.8 | 282.9 | 250.2 | 228.8 | 211.5 | 206.6 | 201.8 | 206.6 |
| 72.5° | 313.6 | 312.2 | 310.9 | 281.7 | 243.3 | 215.3 | 197.8 | 183.8 | 180.5 | 177.2 | 180.5 |
| 75° | 247.8 | 244.9 | 242.0 | 217.8 | 186.6 | 165.2 | 153.5 | 144.2 | 142.3 | 140.3 | 142.3 |
| 77.5° | 185.1 | 182.0 | 178.8 | 158.8 | 133.0 | 118.2 | 114.3 | 111.4 | 111.4 | 111.4 | 111.4 |
| 80° | 144.7 | 140.8 | 136.9 | 121.3 | 101.9 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 |
| 82.5° | 107.9 | 102.4 | 97.0 | 87.4 | 76.5 | 71.1 | 71.1 | 70.9 | 70.1 | 69.3 | 70.1 |
| 85° | 52.6 | 47.8 | 42.9 | 41.7 | 41.7 | 38.7 | 32.9 | 27.8 | 24.9 | 21.9 | 24.9 |
| 87.5° | 14.3 | 14.6 | 14.9 | 12.3 | 8.7 | 6.8 | 6.8 | 6.9 | 6.9 | 6.9 | 6.9 |
| 90° | 1.1 | 2.7 | 4.5 | 6.1 | 7.2 | 7.6 | 7.6 | 8.0 | 8.3 | 8.3 | 8.3 |
| 92.5° | 4.2 | 6.6 | 6.7 | 6.7 | 8.1 | 8.8 | 9.4 | 9.5 | 9.8 | 9.8 | 9.8 |
| 95° | 11.7 | 12.9 | 19.3 | 18.9 | 12.9 | 10.2 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 |
| 97.5° | 22.4 | 24.1 | 25.1 | 33.7 | 35.6 | 34.4 | 28.0 | 23.6 | 21.1 | 19.9 | 21.1 |
| 100° | 31.8 | 32.6 | 34.8 | 35.2 | 44.7 | 53.8 | 49.2 | 43.5 | 41.6 | 40.5 | 41.6 |
| 102.5° | 41.2 | 41.6 | 45.1 | 46.7 | 48.9 | 54.1 | 69.8 | 68.1 | 66.8 | 66.6 | 66.8 |
| 105° | 55.3 | 55.7 | 62.1 | 65.1 | 66.6 | 66.6 | 66.3 | 73.8 | 85.9 | 88.6 | 85.9 |
| 107.5° | 70.3 | 72.1 | 79.7 | 87.8 | 89.5 | 90.0 | 88.0 | 86.9 | 86.4 | 86.7 | 86.4 |
| 110° | 80.6 | 83.3 | 92.4 | 102.6 | 105.3 | 106.0 | 105.3 | 104.1 | 103.4 | 103.4 | 103.4 |



TEST NUMBER: P1428191

CATALOG NUMBER: SQ2W-PR1-K-025U-100D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 90.6 | 94.5 | 104.8 | 116.5 | 121.0 | 123.3 | 121.6 | 120.8 | 120.0 | 120.6 | 120.0 |
| 115° | 106.0 | 111.7 | 125.3 | 137.4 | 146.5 | 147.7 | 147.3 | 147.3 | 146.9 | 146.9 | 146.9 |
| 117.5° | 120.3 | 129.3 | 144.6 | 158.7 | 169.2 | 172.3 | 173.8 | 173.3 | 172.9 | 173.6 | 172.9 |
| 120° | 130.2 | 140.8 | 158.3 | 174.2 | 184.4 | 188.9 | 190.4 | 189.7 | 190.4 | 189.7 | 190.4 |
| 122.5° | 140.8 | 153.9 | 171.0 | 187.5 | 199.5 | 204.7 | 206.5 | 206.7 | 206.8 | 206.4 | 206.8 |
| 125° | 156.8 | 172.7 | 192.7 | 209.8 | 222.3 | 228.3 | 229.8 | 230.2 | 231.0 | 232.9 | 231.0 |
| 127.5° | 172.8 | 190.8 | 212.9 | 229.3 | 242.1 | 249.4 | 251.8 | 252.6 | 254.2 | 255.0 | 254.2 |
| 130° | 184.0 | 204.5 | 226.8 | 242.3 | 254.8 | 262.8 | 266.9 | 268.1 | 270.0 | 269.6 | 270.0 |
| 132.5° | 195.8 | 217.2 | 239.8 | 256.0 | 267.5 | 276.1 | 279.7 | 282.9 | 283.6 | 284.1 | 283.6 |
| 135° | 213.2 | 236.3 | 259.0 | 274.9 | 285.9 | 294.2 | 298.7 | 301.8 | 303.7 | 304.8 | 303.7 |
| 137.5° | 231.4 | 255.8 | 277.6 | 291.8 | 302.8 | 310.0 | 315.2 | 318.4 | 320.3 | 321.2 | 320.3 |
| 140° | 243.8 | 267.3 | 288.5 | 303.3 | 313.1 | 320.3 | 324.9 | 328.6 | 330.9 | 330.9 | 330.9 |
| 142.5° | 255.6 | 278.8 | 299.4 | 314.2 | 322.8 | 329.4 | 334.3 | 337.1 | 339.7 | 339.7 | 339.7 |
| 145° | 272.2 | 295.3 | 314.3 | 329.0 | 336.2 | 342.3 | 347.6 | 349.9 | 351.4 | 351.4 | 351.4 |
| 147.5° | 289.6 | 310.0 | 327.3 | 341.4 | 347.5 | 354.6 | 358.8 | 360.6 | 362.5 | 361.7 | 362.5 |
| 150° | 299.9 | 318.8 | 335.5 | 348.7 | 354.8 | 361.6 | 365.8 | 367.3 | 369.2 | 368.0 | 369.2 |
| 152.5° | 309.9 | 327.9 | 343.0 | 355.4 | 360.5 | 367.3 | 372.1 | 373.6 | 374.9 | 374.1 | 374.9 |
| 155° | 323.3 | 339.3 | 353.3 | 364.6 | 369.2 | 375.6 | 380.1 | 382.0 | 383.6 | 381.7 | 383.6 |
| 157.5° | 335.4 | 349.1 | 361.3 | 371.7 | 376.6 | 382.1 | 386.4 | 388.7 | 390.2 | 389.4 | 390.2 |
| 160° | 342.7 | 355.2 | 366.1 | 376.0 | 380.5 | 385.4 | 390.0 | 392.6 | 394.2 | 393.0 | 394.2 |
| 162.5° | 348.7 | 360.0 | 370.4 | 379.3 | 383.2 | 387.6 | 393.0 | 395.4 | 396.9 | 395.4 | 396.9 |
| 165° | 357.4 | 366.5 | 375.6 | 383.2 | 386.6 | 390.0 | 395.7 | 398.3 | 399.5 | 397.9 | 399.5 |
| 167.5° | 364.0 | 371.0 | 378.3 | 384.8 | 387.3 | 390.7 | 396.3 | 398.5 | 400.0 | 398.1 | 400.0 |
| 170° | 367.6 | 373.7 | 380.1 | 385.4 | 387.3 | 390.4 | 396.0 | 397.9 | 399.1 | 397.2 | 399.1 |
| 172.5° | 370.7 | 375.2 | 380.4 | 385.1 | 386.1 | 388.5 | 393.9 | 395.8 | 396.7 | 395.1 | 396.7 |
| 175° | 373.7 | 376.4 | 380.1 | 383.2 | 382.8 | 384.3 | 388.9 | 390.4 | 391.9 | 389.6 | 391.9 |
| 177.5° | 375.1 | 376.4 | 377.6 | 379.4 | 378.2 | 378.2 | 381.5 | 382.4 | 382.7 | 381.5 | 382.7 |
| 180° | 374.8 | 374.8 | 374.8 | 374.8 | 374.8 | 374.8 | 374.8 | 374.8 | 374.8 | 374.8 | 374.8 |



TEST NUMBER: P1428191

CATALOG NUMBER: SQ2W-PR1-K-025U-100D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° | 190° | 200° | 210° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2151.3 | 2151.3 | 2151.3 | 2151.3 | 2151.3 | 2151.3 | 2151.3 | 2151.3 | 2151.3 | 2151.3 | 2151.3 |
| 2.5° | 2146.6 | 2145.4 | 2144.7 | 2149.7 | 2160.6 | 2165.9 | 2154.2 | 2142.5 | 2154.2 | 2165.9 | 2160.6 |
| 5° | 2160.3 | 2156.4 | 2154.5 | 2158.8 | 2169.6 | 2173.5 | 2156.9 | 2140.3 | 2156.9 | 2173.5 | 2169.6 |
| 7.5° | 2196.6 | 2189.2 | 2183.5 | 2183.4 | 2188.9 | 2187.1 | 2163.5 | 2139.9 | 2163.5 | 2187.1 | 2188.9 |
| 10° | 2198.6 | 2194.4 | 2193.4 | 2194.9 | 2198.8 | 2194.7 | 2166.4 | 2138.1 | 2166.4 | 2194.7 | 2198.8 |
| 12.5° | 2165.4 | 2164.6 | 2166.0 | 2174.4 | 2190.0 | 2193.5 | 2160.5 | 2127.6 | 2160.5 | 2193.5 | 2190.0 |
| 15° | 2115.2 | 2111.8 | 2108.9 | 2124.5 | 2158.6 | 2174.4 | 2135.5 | 2096.5 | 2135.5 | 2174.4 | 2158.6 |
| 17.5° | 2086.1 | 2075.9 | 2065.3 | 2076.3 | 2108.9 | 2123.1 | 2082.4 | 2041.6 | 2082.4 | 2123.1 | 2108.9 |
| 20° | 2072.1 | 2057.7 | 2044.1 | 2050.4 | 2076.7 | 2086.5 | 2046.5 | 2006.6 | 2046.5 | 2086.5 | 2076.7 |
| 22.5° | 2064.9 | 2044.9 | 2025.8 | 2027.0 | 2048.7 | 2054.9 | 2014.9 | 1975.0 | 2014.9 | 2054.9 | 2048.7 |
| 25° | 2063.3 | 2032.9 | 2000.7 | 1990.0 | 2000.7 | 2000.0 | 1964.9 | 1929.8 | 1964.9 | 2000.0 | 2000.7 |
| 27.5° | 2056.6 | 2019.6 | 1976.1 | 1948.7 | 1937.4 | 1923.8 | 1903.1 | 1882.4 | 1903.1 | 1923.8 | 1937.4 |
| 30° | 2025.8 | 1995.6 | 1957.6 | 1924.0 | 1894.7 | 1869.4 | 1855.7 | 1842.1 | 1855.7 | 1869.4 | 1894.7 |
| 32.5° | 1960.5 | 1947.6 | 1927.6 | 1895.1 | 1850.3 | 1814.6 | 1806.4 | 1798.2 | 1806.4 | 1814.6 | 1850.3 |
| 35° | 1833.1 | 1849.4 | 1865.0 | 1843.5 | 1785.1 | 1739.5 | 1732.7 | 1725.9 | 1732.7 | 1739.5 | 1785.1 |
| 37.5° | 1664.4 | 1703.9 | 1749.5 | 1749.9 | 1705.1 | 1668.0 | 1653.9 | 1639.9 | 1653.9 | 1668.0 | 1705.1 |
| 40° | 1526.8 | 1584.0 | 1652.3 | 1673.7 | 1648.4 | 1623.5 | 1600.1 | 1576.7 | 1600.1 | 1623.5 | 1648.4 |
| 42.5° | 1369.3 | 1441.9 | 1528.9 | 1574.9 | 1580.0 | 1574.4 | 1537.0 | 1499.5 | 1537.0 | 1574.4 | 1580.0 |
| 45° | 1145.2 | 1224.4 | 1318.9 | 1394.0 | 1449.5 | 1478.5 | 1427.9 | 1377.2 | 1427.9 | 1478.5 | 1449.5 |
| 47.5° | 949.3 | 1020.3 | 1104.7 | 1192.0 | 1282.3 | 1337.0 | 1284.9 | 1232.9 | 1284.9 | 1337.0 | 1282.3 |
| 50° | 829.2 | 896.9 | 975.9 | 1063.6 | 1160.1 | 1222.0 | 1180.1 | 1138.1 | 1180.1 | 1222.0 | 1160.1 |
| 52.5° | 717.7 | 784.6 | 863.6 | 949.0 | 1040.8 | 1102.1 | 1071.9 | 1041.7 | 1071.9 | 1102.1 | 1040.8 |
| 55° | 571.4 | 633.0 | 708.1 | 786.1 | 866.9 | 923.7 | 908.1 | 892.5 | 908.1 | 923.7 | 866.9 |
| 57.5° | 461.8 | 513.6 | 577.3 | 646.7 | 721.8 | 775.6 | 765.6 | 755.7 | 765.6 | 775.6 | 721.8 |
| 60° | 404.7 | 445.2 | 494.9 | 557.3 | 632.3 | 686.9 | 680.1 | 673.2 | 680.1 | 686.9 | 632.3 |
| 62.5° | 356.4 | 388.4 | 428.0 | 483.8 | 555.7 | 608.3 | 603.1 | 597.8 | 603.1 | 608.3 | 555.7 |
| 65° | 294.3 | 318.7 | 348.9 | 394.7 | 456.1 | 501.0 | 496.1 | 491.2 | 496.1 | 501.0 | 456.1 |
| 67.5° | 244.4 | 263.9 | 287.7 | 324.6 | 374.7 | 411.6 | 409.1 | 406.6 | 409.1 | 411.6 | 374.7 |
| 70° | 211.5 | 228.8 | 250.2 | 282.9 | 326.8 | 359.4 | 358.4 | 357.5 | 358.4 | 359.4 | 326.8 |
| 72.5° | 183.8 | 197.8 | 215.3 | 243.3 | 281.7 | 310.9 | 312.2 | 313.6 | 312.2 | 310.9 | 281.7 |
| 75° | 144.2 | 153.5 | 165.2 | 186.6 | 217.8 | 242.0 | 244.9 | 247.8 | 244.9 | 242.0 | 217.8 |
| 77.5° | 111.4 | 114.3 | 118.2 | 133.0 | 158.8 | 178.8 | 182.0 | 185.1 | 182.0 | 178.8 | 158.8 |
| 80° | 92.1 | 92.1 | 92.1 | 101.9 | 121.3 | 136.9 | 140.8 | 144.7 | 140.8 | 136.9 | 121.3 |
| 82.5° | 70.9 | 71.1 | 71.1 | 76.5 | 87.4 | 97.0 | 102.4 | 107.9 | 102.4 | 97.0 | 87.4 |
| 85° | 27.8 | 32.9 | 38.7 | 41.7 | 41.7 | 42.9 | 47.8 | 52.6 | 47.8 | 42.9 | 41.7 |
| 87.5° | 6.9 | 6.8 | 6.8 | 8.7 | 12.3 | 14.9 | 14.6 | 14.3 | 14.6 | 14.9 | 12.5 |
| 90° | 8.0 | 7.6 | 7.6 | 7.2 | 6.1 | 4.5 | 2.7 | 1.1 | 2.7 | 4.2 | 6.8 |
| 92.5° | 9.5 | 9.4 | 8.8 | 8.1 | 6.7 | 6.7 | 6.6 | 4.2 | 7.2 | 10.2 | 14.7 |
| 95° | 8.7 | 8.7 | 10.2 | 12.9 | 18.9 | 19.3 | 12.9 | 11.7 | 16.7 | 23.5 | 29.5 |
| 97.5° | 23.6 | 28.0 | 34.4 | 35.6 | 33.7 | 25.1 | 24.1 | 22.4 | 30.5 | 37.3 | 47.0 |
| 100° | 43.5 | 49.2 | 53.8 | 44.7 | 35.2 | 34.8 | 32.6 | 31.8 | 40.5 | 46.9 | 56.4 |
| 102.5° | 68.1 | 69.8 | 54.1 | 48.9 | 46.7 | 45.1 | 41.6 | 41.2 | 49.9 | 58.8 | 66.7 |
| 105° | 73.8 | 66.3 | 66.6 | 66.6 | 65.1 | 62.1 | 55.7 | 55.3 | 65.1 | 75.3 | 85.2 |
| 107.5° | 86.9 | 88.0 | 90.0 | 89.5 | 87.8 | 79.7 | 72.1 | 70.3 | 79.2 | 91.5 | 102.3 |
| 110° | 104.1 | 105.3 | 106.0 | 105.3 | 102.6 | 92.4 | 83.3 | 80.6 | 88.6 | 101.5 | 113.2 |



TEST NUMBER: P1428191

CATALOG NUMBER: SQ2W-PR1-K-025U-100D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° | 190° | 200° | 210° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 120.8 | 121.6 | 123.3 | 121.0 | 116.5 | 104.8 | 94.5 | 90.6 | 98.6 | 111.8 | 123.8 |
| 115° | 147.3 | 147.3 | 147.7 | 146.5 | 137.4 | 125.3 | 111.7 | 106.0 | 112.8 | 124.9 | 138.2 |
| 117.5° | 173.3 | 173.8 | 172.3 | 169.2 | 158.7 | 144.6 | 129.3 | 120.3 | 125.6 | 138.4 | 152.1 |
| 120° | 189.7 | 190.4 | 188.9 | 184.4 | 174.2 | 158.3 | 140.8 | 130.2 | 134.4 | 146.9 | 160.5 |
| 122.5° | 206.7 | 206.5 | 204.7 | 199.5 | 187.5 | 171.0 | 153.9 | 140.8 | 142.6 | 154.2 | 167.5 |
| 125° | 230.2 | 229.8 | 228.3 | 222.3 | 209.8 | 192.7 | 172.7 | 156.8 | 154.5 | 164.3 | 178.0 |
| 127.5° | 252.6 | 251.8 | 249.4 | 242.1 | 229.3 | 212.9 | 190.8 | 172.8 | 167.7 | 173.9 | 186.4 |
| 130° | 268.1 | 266.9 | 262.8 | 254.8 | 242.3 | 226.8 | 204.5 | 184.0 | 176.8 | 180.6 | 191.6 |
| 132.5° | 282.9 | 279.7 | 276.1 | 267.5 | 256.0 | 239.8 | 217.2 | 195.8 | 185.9 | 187.6 | 196.1 |
| 135° | 301.8 | 298.7 | 294.2 | 285.9 | 274.9 | 259.0 | 236.3 | 213.2 | 199.5 | 198.0 | 202.9 |
| 137.5° | 318.4 | 315.2 | 310.0 | 302.8 | 291.8 | 277.6 | 255.8 | 231.4 | 214.2 | 209.2 | 211.0 |
| 140° | 328.6 | 324.9 | 320.3 | 313.1 | 303.3 | 288.5 | 267.3 | 243.8 | 224.5 | 217.3 | 216.2 |
| 142.5° | 337.1 | 334.3 | 329.4 | 322.8 | 314.2 | 299.4 | 278.8 | 255.6 | 235.1 | 225.8 | 223.2 |
| 145° | 349.9 | 347.6 | 342.3 | 336.2 | 329.0 | 314.3 | 295.3 | 272.2 | 251.8 | 239.7 | 234.0 |
| 147.5° | 360.6 | 358.8 | 354.6 | 347.5 | 341.4 | 327.3 | 310.0 | 289.6 | 268.6 | 253.6 | 246.3 |
| 150° | 367.3 | 365.8 | 361.6 | 354.8 | 348.7 | 335.5 | 318.8 | 299.9 | 279.8 | 263.9 | 254.4 |
| 152.5° | 373.6 | 372.1 | 367.3 | 360.5 | 355.4 | 343.0 | 327.9 | 309.9 | 289.5 | 273.6 | 263.8 |
| 155° | 382.0 | 380.1 | 375.6 | 369.2 | 364.6 | 353.3 | 339.3 | 323.3 | 305.9 | 289.3 | 278.3 |
| 157.5° | 388.7 | 386.4 | 382.1 | 376.6 | 371.7 | 361.3 | 349.1 | 335.4 | 320.2 | 304.3 | 293.1 |
| 160° | 392.6 | 390.0 | 385.4 | 380.5 | 376.0 | 366.1 | 355.2 | 342.7 | 328.6 | 314.3 | 302.1 |
| 162.5° | 395.4 | 393.0 | 387.6 | 383.2 | 379.3 | 370.4 | 360.0 | 348.7 | 336.2 | 323.7 | 312.4 |
| 165° | 398.3 | 395.7 | 390.0 | 386.6 | 383.2 | 375.6 | 366.5 | 357.4 | 346.8 | 336.6 | 327.5 |
| 167.5° | 398.5 | 396.3 | 390.7 | 387.3 | 384.8 | 378.3 | 371.0 | 364.0 | 355.8 | 347.7 | 340.2 |
| 170° | 397.9 | 396.0 | 390.4 | 387.3 | 385.4 | 380.1 | 373.7 | 367.6 | 361.2 | 354.4 | 348.3 |
| 172.5° | 395.8 | 393.9 | 388.5 | 386.1 | 385.1 | 380.4 | 375.2 | 370.7 | 365.1 | 360.2 | 355.3 |
| 175° | 390.4 | 388.9 | 384.3 | 382.8 | 383.2 | 380.1 | 376.4 | 373.7 | 370.3 | 367.3 | 364.6 |
| 177.5° | 382.4 | 381.5 | 378.2 | 378.2 | 379.4 | 377.6 | 376.4 | 375.1 | 373.6 | 372.7 | 371.8 |
| 180° | 374.8 | 374.8 | 374.8 | 374.8 | 374.8 | 374.8 | 374.8 | 374.8 | 374.8 | 374.8 | 374.8 |



TEST NUMBER: P1428191

CATALOG NUMBER: SQ2W-PR1-K-025U-100D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 220° | 230° | 240° | 250° | 260° | 270° | 280° | 290° | 300° | 310° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2151.3 | 2151.3 | 2151.3 | 2151.3 | 2151.3 | 2151.3 | 2151.3 | 2151.3 | 2151.3 | 2151.3 | 2151.3 |
| 2.5° | 2149.7 | 2144.7 | 2145.4 | 2146.6 | 2149.0 | 2151.3 | 2149.0 | 2146.6 | 2145.4 | 2144.7 | 2149.7 |
| 5° | 2158.8 | 2154.5 | 2156.4 | 2160.3 | 2170.1 | 2179.8 | 2170.1 | 2160.3 | 2156.4 | 2154.5 | 2158.8 |
| 7.5° | 2183.4 | 2183.5 | 2189.2 | 2196.6 | 2209.5 | 2222.3 | 2209.5 | 2196.6 | 2189.2 | 2183.5 | 2183.4 |
| 10° | 2194.9 | 2193.4 | 2194.4 | 2198.6 | 2212.2 | 2225.9 | 2212.2 | 2198.6 | 2194.4 | 2193.4 | 2194.9 |
| 12.5° | 2174.4 | 2166.0 | 2164.6 | 2165.4 | 2172.8 | 2180.2 | 2172.8 | 2165.4 | 2164.6 | 2166.0 | 2174.4 |
| 15° | 2124.5 | 2108.9 | 2111.8 | 2115.2 | 2120.1 | 2125.0 | 2120.1 | 2115.2 | 2111.8 | 2108.9 | 2124.5 |
| 17.5° | 2076.3 | 2065.3 | 2075.9 | 2086.1 | 2095.7 | 2105.2 | 2095.7 | 2086.1 | 2075.9 | 2065.3 | 2076.3 |
| 20° | 2050.4 | 2044.1 | 2057.7 | 2072.1 | 2088.7 | 2105.2 | 2088.7 | 2072.1 | 2057.7 | 2044.1 | 2050.4 |
| 22.5° | 2027.0 | 2025.8 | 2044.9 | 2064.9 | 2087.7 | 2110.5 | 2087.7 | 2064.9 | 2044.9 | 2025.8 | 2027.0 |
| 25° | 1990.0 | 2000.7 | 2032.9 | 2063.3 | 2088.7 | 2114.0 | 2088.7 | 2063.3 | 2032.9 | 2000.7 | 1990.0 |
| 27.5° | 1948.7 | 1976.1 | 2019.6 | 2056.6 | 2074.3 | 2092.1 | 2074.3 | 2056.6 | 2019.6 | 1976.1 | 1948.7 |
| 30° | 1924.0 | 1957.6 | 1995.6 | 2025.8 | 2032.6 | 2039.4 | 2032.6 | 2025.8 | 1995.6 | 1957.6 | 1924.0 |
| 32.5° | 1895.1 | 1927.6 | 1947.6 | 1960.5 | 1951.7 | 1943.0 | 1951.7 | 1960.5 | 1947.6 | 1927.6 | 1895.1 |
| 35° | 1843.5 | 1865.0 | 1849.4 | 1833.1 | 1814.5 | 1796.0 | 1814.5 | 1833.1 | 1849.4 | 1865.0 | 1843.5 |
| 37.5° | 1749.9 | 1749.5 | 1703.9 | 1664.4 | 1643.2 | 1621.9 | 1643.2 | 1664.4 | 1703.9 | 1749.5 | 1749.9 |
| 40° | 1673.7 | 1652.3 | 1584.0 | 1526.8 | 1502.4 | 1478.1 | 1502.4 | 1526.8 | 1584.0 | 1652.3 | 1673.7 |
| 42.5° | 1574.9 | 1528.9 | 1441.9 | 1369.3 | 1339.5 | 1309.6 | 1339.5 | 1369.3 | 1441.9 | 1528.9 | 1574.9 |
| 45° | 1394.0 | 1318.9 | 1224.4 | 1145.2 | 1112.1 | 1078.9 | 1112.1 | 1145.2 | 1224.4 | 1318.9 | 1394.0 |
| 47.5° | 1192.0 | 1104.7 | 1020.3 | 949.3 | 918.3 | 887.3 | 918.3 | 949.3 | 1020.3 | 1104.7 | 1192.0 |
| 50° | 1063.6 | 975.9 | 896.9 | 829.2 | 795.1 | 761.0 | 795.1 | 829.2 | 896.9 | 975.9 | 1063.6 |
| 52.5° | 949.0 | 863.6 | 784.6 | 717.7 | 686.7 | 655.7 | 686.7 | 717.7 | 784.6 | 863.6 | 949.0 |
| 55° | 786.1 | 708.1 | 633.0 | 571.4 | 549.9 | 528.5 | 549.9 | 571.4 | 633.0 | 708.1 | 786.1 |
| 57.5° | 646.7 | 577.3 | 513.6 | 461.8 | 446.0 | 430.3 | 446.0 | 461.8 | 513.6 | 577.3 | 646.7 |
| 60° | 557.3 | 494.9 | 445.2 | 404.7 | 392.1 | 379.4 | 392.1 | 404.7 | 445.2 | 494.9 | 557.3 |
| 62.5° | 483.8 | 428.0 | 388.4 | 356.4 | 346.8 | 337.3 | 346.8 | 356.4 | 388.4 | 428.0 | 483.8 |
| 65° | 394.7 | 348.9 | 318.7 | 294.3 | 287.5 | 280.7 | 287.5 | 294.3 | 318.7 | 348.9 | 394.7 |
| 67.5° | 324.6 | 287.7 | 263.9 | 244.4 | 238.0 | 231.6 | 238.0 | 244.4 | 263.9 | 287.7 | 324.6 |
| 70° | 282.9 | 250.2 | 228.8 | 211.5 | 206.6 | 201.8 | 206.6 | 211.5 | 228.8 | 250.2 | 282.9 |
| 72.5° | 243.3 | 215.3 | 197.8 | 183.8 | 180.5 | 177.2 | 180.5 | 183.8 | 197.8 | 215.3 | 243.3 |
| 75° | 186.6 | 165.2 | 153.5 | 144.2 | 142.3 | 140.3 | 142.3 | 144.2 | 153.5 | 165.2 | 186.6 |
| 77.5° | 133.0 | 118.2 | 114.3 | 111.4 | 111.4 | 111.4 | 111.4 | 111.4 | 114.3 | 118.2 | 133.0 |
| 80° | 101.9 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 101.9 |
| 82.5° | 76.5 | 71.1 | 71.1 | 70.9 | 70.1 | 69.3 | 70.1 | 70.9 | 71.1 | 71.1 | 76.5 |
| 85° | 41.7 | 38.7 | 32.9 | 27.8 | 24.9 | 21.9 | 24.9 | 27.8 | 32.9 | 38.7 | 41.7 |
| 87.5° | 9.0 | 7.5 | 8.1 | 8.4 | 8.7 | 8.5 | 8.7 | 8.4 | 8.1 | 7.5 | 9.0 |
| 90° | 8.7 | 11.4 | 14.0 | 15.5 | 17.0 | 16.3 | 17.0 | 15.5 | 14.0 | 11.4 | 8.7 |
| 92.5° | 17.5 | 22.0 | 25.2 | 27.9 | 29.2 | 29.0 | 29.2 | 27.9 | 25.2 | 22.0 | 17.5 |
| 95° | 35.2 | 40.5 | 45.8 | 49.6 | 51.9 | 51.1 | 51.9 | 49.6 | 45.8 | 40.5 | 35.2 |
| 97.5° | 54.3 | 61.4 | 67.3 | 70.9 | 73.2 | 74.7 | 73.2 | 70.9 | 67.3 | 61.4 | 54.3 |
| 100° | 67.0 | 73.8 | 80.6 | 84.8 | 88.6 | 90.1 | 88.6 | 84.8 | 80.6 | 73.8 | 67.0 |
| 102.5° | 77.3 | 86.3 | 93.7 | 98.1 | 101.3 | 102.8 | 101.3 | 98.1 | 93.7 | 86.3 | 77.3 |
| 105° | 94.3 | 103.7 | 111.7 | 117.4 | 120.8 | 121.9 | 120.8 | 117.4 | 111.7 | 103.7 | 94.3 |
| 107.5° | 111.2 | 121.0 | 128.4 | 134.6 | 138.8 | 141.2 | 138.8 | 134.6 | 128.4 | 121.0 | 111.2 |
| 110° | 124.6 | 132.5 | 140.5 | 146.2 | 150.3 | 151.8 | 150.3 | 146.2 | 140.5 | 132.5 | 124.6 |

TEST NUMBER: P1428191

CATALOG NUMBER: SQ2W-PR1-K-025U-100D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 220° | 230° | 240° | 250° | 260° | 270° | 280° | 290° | 300° | 310° | 320° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 135.8 | 144.6 | 152.6 | 158.3 | 163.0 | 165.2 | 163.0 | 158.3 | 152.6 | 144.6 | 135.8 |
| 115° | 151.5 | 163.2 | 170.4 | 175.7 | 179.1 | 181.0 | 179.1 | 175.7 | 170.4 | 163.2 | 151.5 |
| 117.5° | 164.5 | 176.7 | 184.6 | 188.7 | 190.3 | 191.7 | 190.3 | 188.7 | 184.6 | 176.7 | 164.5 |
| 120° | 172.7 | 184.0 | 193.1 | 198.4 | 200.3 | 201.1 | 200.3 | 198.4 | 193.1 | 184.0 | 172.7 |
| 122.5° | 180.2 | 191.0 | 199.8 | 206.3 | 209.4 | 210.1 | 209.4 | 206.3 | 199.8 | 191.0 | 180.2 |
| 125° | 190.8 | 201.1 | 210.1 | 216.6 | 220.0 | 221.9 | 220.0 | 216.6 | 210.1 | 201.1 | 190.8 |
| 127.5° | 200.1 | 211.1 | 219.5 | 225.3 | 228.6 | 230.1 | 228.6 | 225.3 | 219.5 | 211.1 | 200.1 |
| 130° | 205.2 | 216.6 | 224.9 | 231.3 | 234.4 | 235.9 | 234.4 | 231.3 | 224.9 | 216.6 | 205.2 |
| 132.5° | 209.2 | 221.1 | 229.8 | 235.6 | 238.9 | 240.4 | 238.9 | 235.6 | 229.8 | 221.1 | 209.2 |
| 135° | 213.9 | 226.4 | 235.5 | 241.2 | 244.2 | 245.7 | 244.2 | 241.2 | 235.5 | 226.4 | 213.9 |
| 137.5° | 218.1 | 229.4 | 238.9 | 244.9 | 247.6 | 248.6 | 247.6 | 244.9 | 238.9 | 229.4 | 218.1 |
| 140° | 221.1 | 231.0 | 240.4 | 246.1 | 249.1 | 249.5 | 249.1 | 246.1 | 240.4 | 231.0 | 221.1 |
| 142.5° | 225.1 | 232.8 | 241.0 | 246.7 | 249.7 | 250.4 | 249.7 | 246.7 | 241.0 | 232.8 | 225.1 |
| 145° | 232.1 | 236.6 | 242.3 | 247.6 | 250.3 | 251.0 | 250.3 | 247.6 | 242.3 | 236.6 | 232.1 |
| 147.5° | 241.0 | 242.4 | 245.4 | 248.8 | 251.4 | 251.9 | 251.4 | 248.8 | 245.4 | 242.4 | 241.0 |
| 150° | 247.6 | 247.2 | 248.4 | 250.7 | 252.9 | 252.5 | 252.9 | 250.7 | 248.4 | 247.2 | 247.6 |
| 152.5° | 255.2 | 253.0 | 252.9 | 254.0 | 255.0 | 255.0 | 255.0 | 254.0 | 252.9 | 253.0 | 255.2 |
| 155° | 268.1 | 263.9 | 261.6 | 260.9 | 260.9 | 260.5 | 260.9 | 260.9 | 261.6 | 263.9 | 268.1 |
| 157.5° | 282.2 | 276.4 | 273.0 | 271.2 | 270.6 | 269.8 | 270.6 | 271.2 | 273.0 | 276.4 | 282.2 |
| 160° | 291.9 | 285.5 | 282.1 | 279.0 | 277.9 | 276.8 | 277.9 | 279.0 | 282.1 | 285.5 | 291.9 |
| 162.5° | 301.0 | 294.9 | 291.2 | 288.4 | 287.3 | 285.6 | 287.3 | 288.4 | 291.2 | 294.9 | 301.0 |
| 165° | 315.8 | 309.3 | 305.2 | 302.9 | 301.4 | 299.9 | 301.4 | 302.9 | 305.2 | 309.3 | 315.8 |
| 167.5° | 330.5 | 323.5 | 320.8 | 318.2 | 316.8 | 314.0 | 316.8 | 318.2 | 320.8 | 323.5 | 330.5 |
| 170° | 339.6 | 333.2 | 331.7 | 329.4 | 326.8 | 323.7 | 326.8 | 329.4 | 331.7 | 333.2 | 339.6 |
| 172.5° | 347.5 | 343.2 | 341.7 | 339.4 | 338.6 | 336.1 | 338.6 | 339.4 | 341.7 | 343.2 | 347.5 |
| 175° | 358.9 | 355.5 | 355.5 | 355.2 | 354.0 | 351.7 | 354.0 | 355.2 | 355.5 | 355.5 | 358.9 |
| 177.5° | 368.5 | 366.7 | 367.9 | 367.9 | 367.6 | 365.5 | 367.6 | 367.9 | 367.9 | 366.7 | 368.5 |
| 180° | 374.8 | 374.8 | 374.8 | 374.8 | 374.8 | 374.8 | 374.8 | 374.8 | 374.8 | 374.8 | 374.8 |



TEST NUMBER: P1428191

CATALOG NUMBER: SQ2W-PR1-K-025U-100D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 330° | 340° | 350° | 360° |
|--------|--------|--------|--------|--------|
| 0° | 2151.3 | 2151.3 | 2151.3 | 2151.3 |
| 2.5° | 2160.6 | 2165.9 | 2154.2 | 2142.5 |
| 5° | 2169.6 | 2173.5 | 2156.9 | 2140.3 |
| 7.5° | 2188.9 | 2187.1 | 2163.5 | 2139.9 |
| 10° | 2198.8 | 2194.7 | 2166.4 | 2138.1 |
| 12.5° | 2190.0 | 2193.5 | 2160.5 | 2127.6 |
| 15° | 2158.6 | 2174.4 | 2135.5 | 2096.5 |
| 17.5° | 2108.9 | 2123.1 | 2082.4 | 2041.6 |
| 20° | 2076.7 | 2086.5 | 2046.5 | 2006.6 |
| 22.5° | 2048.7 | 2054.9 | 2014.9 | 1975.0 |
| 25° | 2000.7 | 2000.0 | 1964.9 | 1929.8 |
| 27.5° | 1937.4 | 1923.8 | 1903.1 | 1882.4 |
| 30° | 1894.7 | 1869.4 | 1855.7 | 1842.1 |
| 32.5° | 1850.3 | 1814.6 | 1806.4 | 1798.2 |
| 35° | 1785.1 | 1739.5 | 1732.7 | 1725.9 |
| 37.5° | 1705.1 | 1668.0 | 1653.9 | 1639.9 |
| 40° | 1648.4 | 1623.5 | 1600.1 | 1576.7 |
| 42.5° | 1580.0 | 1574.4 | 1537.0 | 1499.5 |
| 45° | 1449.5 | 1478.5 | 1427.9 | 1377.2 |
| 47.5° | 1282.3 | 1337.0 | 1284.9 | 1232.9 |
| 50° | 1160.1 | 1222.0 | 1180.1 | 1138.1 |
| 52.5° | 1040.8 | 1102.1 | 1071.9 | 1041.7 |
| 55° | 866.9 | 923.7 | 908.1 | 892.5 |
| 57.5° | 721.8 | 775.6 | 765.6 | 755.7 |
| 60° | 632.3 | 686.9 | 680.1 | 673.2 |
| 62.5° | 555.7 | 608.3 | 603.1 | 597.8 |
| 65° | 456.1 | 501.0 | 496.1 | 491.2 |
| 67.5° | 374.7 | 411.6 | 409.1 | 406.6 |
| 70° | 326.8 | 359.4 | 358.4 | 357.5 |
| 72.5° | 281.7 | 310.9 | 312.2 | 313.6 |
| 75° | 217.8 | 242.0 | 244.9 | 247.8 |
| 77.5° | 158.8 | 178.8 | 182.0 | 185.1 |
| 80° | 121.3 | 136.9 | 140.8 | 144.7 |
| 82.5° | 87.4 | 97.0 | 102.4 | 107.9 |
| 85° | 41.7 | 42.9 | 47.8 | 52.6 |
| 87.5° | 12.5 | 14.9 | 14.6 | 14.3 |
| 90° | 6.8 | 4.2 | 2.7 | 1.1 |
| 92.5° | 14.7 | 10.2 | 7.2 | 4.2 |
| 95° | 29.5 | 23.5 | 16.7 | 11.7 |
| 97.5° | 47.0 | 37.3 | 30.5 | 22.4 |
| 100° | 56.4 | 46.9 | 40.5 | 31.8 |
| 102.5° | 66.7 | 58.8 | 49.9 | 41.2 |
| 105° | 85.2 | 75.3 | 65.1 | 55.3 |
| 107.5° | 102.3 | 91.5 | 79.2 | 70.3 |
| 110° | 113.2 | 101.5 | 88.6 | 80.6 |

TEST NUMBER: P1428191

CATALOG NUMBER: SQ2W-PR1-K-025U-100D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 330° | 340° | 350° | 360° |
|--------|-------|-------|-------|-------|
| 112.5° | 123.8 | 111.8 | 98.6 | 90.6 |
| 115° | 138.2 | 124.9 | 112.8 | 106.0 |
| 117.5° | 152.1 | 138.4 | 125.6 | 120.3 |
| 120° | 160.5 | 146.9 | 134.4 | 130.2 |
| 122.5° | 167.5 | 154.2 | 142.6 | 140.8 |
| 125° | 178.0 | 164.3 | 154.5 | 156.8 |
| 127.5° | 186.4 | 173.9 | 167.7 | 172.8 |
| 130° | 191.6 | 180.6 | 176.8 | 184.0 |
| 132.5° | 196.1 | 187.6 | 185.9 | 195.8 |
| 135° | 202.9 | 198.0 | 199.5 | 213.2 |
| 137.5° | 211.0 | 209.2 | 214.2 | 231.4 |
| 140° | 216.2 | 217.3 | 224.5 | 243.8 |
| 142.5° | 223.2 | 225.8 | 235.1 | 255.6 |
| 145° | 234.0 | 239.7 | 251.8 | 272.2 |
| 147.5° | 246.3 | 253.6 | 268.6 | 289.6 |
| 150° | 254.4 | 263.9 | 279.8 | 299.9 |
| 152.5° | 263.8 | 273.6 | 289.5 | 309.9 |
| 155° | 278.3 | 289.3 | 305.9 | 323.3 |
| 157.5° | 293.1 | 304.3 | 320.2 | 335.4 |
| 160° | 302.1 | 314.3 | 328.6 | 342.7 |
| 162.5° | 312.4 | 323.7 | 336.2 | 348.7 |
| 165° | 327.5 | 336.6 | 346.8 | 357.4 |
| 167.5° | 340.2 | 347.7 | 355.8 | 364.0 |
| 170° | 348.3 | 354.4 | 361.2 | 367.6 |
| 172.5° | 355.3 | 360.2 | 365.1 | 370.7 |
| 175° | 364.6 | 367.3 | 370.3 | 373.7 |
| 177.5° | 371.8 | 372.7 | 373.6 | 375.1 |
| 180° | 374.8 | 374.8 | 374.8 | 374.8 |



TEST NUMBER: P1428191
 CATALOG NUMBER: SQ2W-PR1-K-025U-100D-L830-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 | 21.65 | 22.82 | 22.27 | 23.45 | 24.17 | 18.02 | 19.19 | 18.64 | 19.82 | 20.54 |
| | 3H | 22.88 | 23.93 | 23.52 | 24.57 | 25.33 | 19.21 | 20.25 | 19.84 | 20.89 | 21.65 |
| | 4H | 23.38 | 24.37 | 24.04 | 25.02 | 25.79 | 19.68 | 20.67 | 20.34 | 21.32 | 22.09 |
| | 6H | 23.69 | 24.60 | 24.37 | 25.27 | 26.05 | 20.04 | 20.95 | 20.71 | 21.61 | 22.39 |
| | 8H | 23.81 | 24.67 | 24.49 | 25.35 | 26.14 | 20.19 | 21.05 | 20.87 | 21.73 | 22.52 |
| | 12H | 23.86 | 24.68 | 24.54 | 25.35 | 26.17 | 20.23 | 21.05 | 20.92 | 21.73 | 22.54 |
| 4H | 2H | 21.79 | 22.78 | 22.45 | 23.43 | 24.20 | 18.77 | 19.75 | 19.43 | 20.41 | 21.18 |
| | 3H | 23.28 | 24.10 | 23.96 | 24.79 | 25.57 | 20.15 | 20.97 | 20.83 | 21.66 | 22.45 |
| | 4H | 23.92 | 24.66 | 24.61 | 25.35 | 26.17 | 20.71 | 21.44 | 21.40 | 22.14 | 22.96 |
| | 6H | 24.37 | 25.00 | 25.08 | 25.73 | 26.56 | 21.16 | 21.79 | 21.87 | 22.52 | 23.35 |
| | 8H | 24.53 | 25.13 | 25.25 | 25.84 | 26.68 | 21.35 | 21.94 | 22.06 | 22.66 | 23.50 |
| | 12H | 24.61 | 25.14 | 25.35 | 25.89 | 26.73 | 21.41 | 21.94 | 22.14 | 22.68 | 23.53 |
| 8H | 4H | 23.97 | 24.56 | 24.68 | 25.28 | 26.12 | 21.06 | 21.65 | 21.77 | 22.37 | 23.21 |
| | 6H | 24.51 | 25.00 | 25.26 | 25.76 | 26.61 | 21.61 | 22.10 | 22.35 | 22.86 | 23.70 |
| | 8H | 24.74 | 25.18 | 25.50 | 25.95 | 26.81 | 21.87 | 22.31 | 22.63 | 23.07 | 23.93 |
| | 12H | 24.88 | 25.26 | 25.63 | 26.02 | 26.94 | 21.98 | 22.36 | 22.74 | 23.12 | 24.04 |
| 12H | 4H | 23.94 | 24.47 | 24.68 | 25.22 | 26.06 | 21.09 | 21.62 | 21.83 | 22.37 | 23.21 |
| | 6H | 24.50 | 24.94 | 25.26 | 25.70 | 26.56 | 21.68 | 22.12 | 22.44 | 22.88 | 23.74 |
| | 8H | 24.76 | 25.15 | 25.52 | 25.90 | 26.82 | 21.98 | 22.37 | 22.74 | 23.12 | 24.04 |