

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1427623

Luminaire Tested: SQ2W-BBN-K-100U-100D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1427623
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G3-2308-130-1)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-BBN-K-100U-100D-L940-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - BLACK DISCREET BAFFLE, NARROW 35-DEGREE OPTIC
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1000 LUMENS PER FOOT
UPLIGHT 1000 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

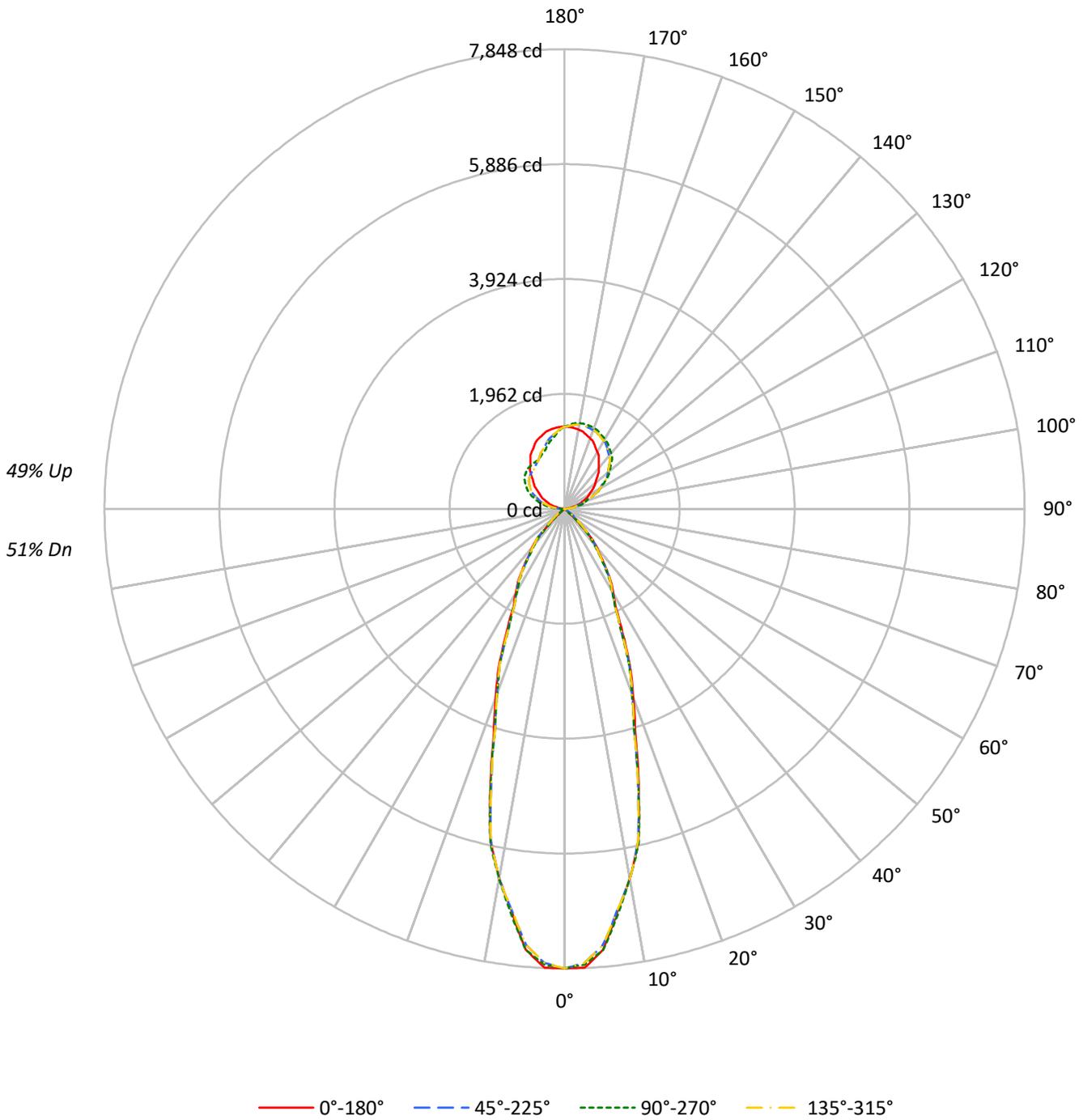
Lumens per Lamp: N/A
Luminaire Lumens: 8337.9 lumens
Efficiency: N/A
Efficacy: 117.1 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.62
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 71.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1427623

CATALOG NUMBER: SQ2W-BBN-K-100U-100D-L940-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P1427623

CATALOG NUMBER: SQ2W-BBN-K-100U-100D-L940-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 | 107 | 107 | 107 | 107 | 99 | 99 | 99 | 99 | 84 | 84 | 84 | 70 | 70 | 70 | 57 | 57 | 57 | 51 |
| 1 | 100 | 97 | 94 | 91 | 93 | 90 | 88 | 85 | 77 | 75 | 74 | 65 | 64 | 63 | 54 | 54 | 53 | 48 |
| 2 | 94 | 88 | 83 | 80 | 87 | 82 | 78 | 75 | 71 | 68 | 66 | 61 | 59 | 57 | 51 | 50 | 49 | 45 |
| 3 | 88 | 80 | 75 | 70 | 82 | 75 | 70 | 67 | 66 | 62 | 59 | 57 | 54 | 52 | 49 | 47 | 46 | 42 |
| 4 | 82 | 74 | 68 | 63 | 77 | 69 | 64 | 60 | 61 | 57 | 54 | 53 | 50 | 48 | 46 | 44 | 43 | 39 |
| 5 | 77 | 68 | 61 | 57 | 72 | 64 | 58 | 54 | 57 | 52 | 49 | 50 | 47 | 44 | 43 | 41 | 40 | 37 |
| 6 | 72 | 63 | 56 | 52 | 68 | 59 | 54 | 49 | 53 | 49 | 45 | 47 | 44 | 41 | 41 | 39 | 37 | 35 |
| 7 | 68 | 58 | 52 | 47 | 64 | 55 | 50 | 45 | 49 | 45 | 42 | 44 | 41 | 38 | 39 | 37 | 35 | 33 |
| 8 | 64 | 54 | 48 | 44 | 60 | 52 | 46 | 42 | 46 | 42 | 39 | 42 | 38 | 36 | 37 | 35 | 33 | 31 |
| 9 | 61 | 51 | 45 | 40 | 57 | 48 | 43 | 39 | 44 | 39 | 36 | 39 | 36 | 34 | 35 | 33 | 31 | 29 |
| 10 | 58 | 48 | 42 | 38 | 54 | 45 | 40 | 36 | 41 | 37 | 34 | 37 | 34 | 32 | 34 | 31 | 30 | 28 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|--------|--------|--------|--------|
| 0° | 126717 | 126717 | 126717 | 126717 |
| 5° | 122478 | 122548 | 122478 | 122548 |
| 10° | 105112 | 105112 | 105112 | 105112 |
| 15° | 81586 | 81398 | 81586 | 81398 |
| 20° | 58882 | 57619 | 58882 | 57619 |
| 25° | 41750 | 40163 | 41750 | 40163 |
| 30° | 31062 | 29982 | 31062 | 29982 |
| 35° | 24170 | 23055 | 24170 | 23055 |
| 40° | 17886 | 16336 | 17886 | 16336 |
| 45° | 9140 | 7364 | 9140 | 7364 |
| 50° | 1989 | 1457 | 1989 | 1457 |
| 55° | 557 | 439 | 557 | 439 |
| 60° | 90 | 45 | 90 | 45 |
| 65° | 0 | 0 | 0 | 0 |
| 70° | 0 | 0 | 0 | 0 |
| 75° | 0 | 0 | 0 | 0 |
| 80° | 0 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 11149 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 678.7 | 8.1 |
| 10°-20° | 1338.0 | 16.0 |
| 20°-30° | 1079.3 | 12.9 |
| 30°-40° | 749.8 | 9.0 |
| 40°-50° | 346.4 | 4.2 |
| 50°-60° | 48.5 | 0.6 |
| 60°-70° | 1.7 | 0.0 |
| 70°-80° | 0.0 | 0.0 |
| 80°-90° | 7.4 | 0.1 |
| 90°-100° | 111.5 | 1.3 |
| 100°-110° | 325.1 | 3.9 |
| 110°-120° | 530.5 | 6.4 |
| 120°-130° | 673.2 | 8.1 |
| 130°-140° | 720.3 | 8.6 |
| 140°-150° | 672.6 | 8.1 |
| 150°-160° | 553.5 | 6.6 |
| 160°-170° | 371.2 | 4.5 |
| 170°-180° | 131.8 | 1.6 |
| 0°-30° | 3096.1 | 37.1 |
| 0°-40° | 3845.9 | 46.1 |
| 0°-60° | 4240.7 | 50.9 |
| 0°-90° | 4249.8 | 51.0 |
| 90°-120° | 967.1 | 11.6 |
| 90°-150° | 3033.2 | 36.4 |
| 90°-180° | 4090.0 | 49.1 |
| 0°-180° | 8337.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 7848 | 7848 | 7848 | 7848 | 7848 | |
| 5° | 7557 | 7561 | 7557 | 7561 | 7557 | 679 |
| 15° | 4881 | 4870 | 4881 | 4870 | 4881 | 1344 |
| 25° | 2344 | 2254 | 2344 | 2254 | 2344 | 1097 |
| 35° | 1226 | 1170 | 1226 | 1170 | 1226 | 767 |
| 45° | 400 | 322 | 400 | 322 | 400 | 323 |
| 55° | 20 | 16 | 20 | 16 | 20 | 25 |
| 65° | 0 | 0 | 0 | 0 | 0 | 0 |
| 75° | 0 | 0 | 0 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 4 | 31 | 4 | 61 | 4 | 3 |
| 95° | 44 | 32 | 44 | 191 | 44 | 53 |
| 105° | 207 | 331 | 207 | 456 | 207 | 220 |
| 115° | 396 | 549 | 396 | 676 | 396 | 390 |
| 125° | 586 | 870 | 586 | 829 | 586 | 524 |
| 135° | 796 | 1139 | 796 | 918 | 796 | 616 |
| 145° | 1017 | 1313 | 1017 | 938 | 1017 | 636 |
| 155° | 1208 | 1426 | 1208 | 973 | 1208 | 555 |
| 165° | 1336 | 1487 | 1336 | 1120 | 1336 | 376 |
| 175° | 1396 | 1456 | 1396 | 1314 | 1396 | 132 |
| 180° | 1401 | 1401 | 1401 | 1401 | 1401 | |



TEST NUMBER: P1427623

CATALOG NUMBER: SQ2W-BBN-K-100U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 7848.4 | 7848.4 | 7848.4 | 7848.4 | 7848.4 | 7848.4 | 7848.4 | 7848.4 | 7848.4 | 7848.4 | 7848.4 |
| 2.5° | 7843.9 | 7830.8 | 7817.7 | 7791.8 | 7761.6 | 7760.4 | 7788.1 | 7806.7 | 7798.1 | 7789.6 | 7798.1 |
| 5° | 7557.0 | 7538.8 | 7520.6 | 7498.6 | 7475.3 | 7484.1 | 7525.0 | 7556.2 | 7558.8 | 7561.3 | 7558.8 |
| 7.5° | 6924.0 | 6929.9 | 6935.8 | 6920.7 | 6898.5 | 6910.1 | 6955.4 | 6988.1 | 6983.2 | 6978.3 | 6983.2 |
| 10° | 6411.4 | 6415.8 | 6420.2 | 6419.4 | 6416.9 | 6423.2 | 6438.3 | 6445.3 | 6428.4 | 6411.4 | 6428.4 |
| 12.5° | 5817.3 | 5834.8 | 5852.3 | 5832.2 | 5799.5 | 5794.4 | 5817.1 | 5835.8 | 5843.0 | 5850.2 | 5843.0 |
| 15° | 4881.0 | 4909.3 | 4937.6 | 4897.5 | 4834.7 | 4818.3 | 4848.5 | 4871.0 | 4870.3 | 4869.7 | 4870.3 |
| 17.5° | 4003.0 | 4000.1 | 3997.2 | 3972.4 | 3940.4 | 3927.2 | 3932.8 | 3936.6 | 3934.7 | 3932.8 | 3934.7 |
| 20° | 3427.0 | 3422.6 | 3418.2 | 3396.9 | 3369.8 | 3354.1 | 3349.7 | 3347.2 | 3350.4 | 3353.5 | 3350.4 |
| 22.5° | 2933.7 | 2926.3 | 2918.9 | 2909.9 | 2900.5 | 2890.3 | 2879.4 | 2872.2 | 2876.4 | 2880.5 | 2876.4 |
| 25° | 2343.6 | 2319.7 | 2295.9 | 2276.7 | 2259.1 | 2257.8 | 2272.9 | 2280.9 | 2267.7 | 2254.5 | 2267.7 |
| 27.5° | 1881.1 | 1880.7 | 1880.4 | 1869.1 | 1854.1 | 1847.4 | 1849.1 | 1850.9 | 1853.4 | 1856.0 | 1853.4 |
| 30° | 1666.1 | 1661.7 | 1657.3 | 1645.4 | 1630.9 | 1624.0 | 1624.7 | 1623.2 | 1615.7 | 1608.2 | 1615.7 |
| 32.5° | 1474.9 | 1478.1 | 1481.2 | 1468.5 | 1450.5 | 1439.8 | 1436.4 | 1432.0 | 1424.5 | 1416.9 | 1424.5 |
| 35° | 1226.3 | 1226.3 | 1226.3 | 1215.9 | 1202.1 | 1190.4 | 1181.0 | 1173.5 | 1171.6 | 1169.7 | 1171.6 |
| 37.5° | 995.7 | 994.6 | 993.5 | 985.8 | 976.0 | 964.5 | 951.1 | 939.9 | 935.0 | 930.1 | 935.0 |
| 40° | 848.6 | 845.5 | 842.3 | 836.8 | 830.6 | 819.2 | 802.9 | 788.9 | 782.0 | 775.1 | 782.0 |
| 42.5° | 681.2 | 689.6 | 698.0 | 695.4 | 689.1 | 677.8 | 661.5 | 646.6 | 636.2 | 625.7 | 636.2 |
| 45° | 400.3 | 435.5 | 470.7 | 483.2 | 488.3 | 481.4 | 462.5 | 434.4 | 378.4 | 322.5 | 378.4 |
| 47.5° | 172.0 | 210.7 | 249.4 | 281.9 | 312.4 | 302.7 | 253.1 | 204.2 | 157.7 | 111.2 | 157.7 |
| 50° | 79.2 | 109.4 | 139.6 | 180.1 | 224.1 | 215.0 | 152.8 | 100.7 | 79.4 | 58.0 | 79.4 |
| 52.5° | 46.4 | 61.5 | 76.6 | 114.5 | 160.0 | 155.9 | 102.2 | 59.1 | 47.8 | 36.5 | 47.8 |
| 55° | 19.8 | 24.8 | 29.9 | 50.4 | 76.2 | 75.0 | 46.7 | 24.4 | 20.0 | 15.6 | 20.0 |
| 57.5° | 7.4 | 10.1 | 12.9 | 20.3 | 29.2 | 28.6 | 18.6 | 10.5 | 8.2 | 5.9 | 8.2 |
| 60° | 2.8 | 4.1 | 5.3 | 9.0 | 13.4 | 13.0 | 8.0 | 3.9 | 2.7 | 1.4 | 2.7 |
| 62.5° | 0.6 | 1.3 | 2.1 | 4.1 | 6.4 | 6.4 | 3.9 | 1.8 | 1.0 | 0.3 | 1.0 |
| 65° | 0.0 | 0.0 | 0.0 | 0.5 | 1.1 | 1.1 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.8 | 2.0 | 3.4 | 4.5 | 5.4 | 5.7 | 5.7 | 5.9 | 6.2 | 6.2 | 6.2 |
| 90° | 4.2 | 9.9 | 17.0 | 22.6 | 26.9 | 28.3 | 28.3 | 29.7 | 31.1 | 31.1 | 31.1 |
| 92.5° | 15.6 | 24.6 | 24.9 | 24.9 | 30.3 | 32.8 | 35.1 | 35.4 | 36.8 | 36.8 | 36.8 |
| 95° | 43.9 | 48.1 | 72.2 | 70.7 | 48.1 | 38.2 | 32.5 | 32.5 | 32.5 | 32.5 | 32.5 |
| 97.5° | 83.8 | 90.0 | 93.9 | 125.9 | 133.0 | 128.5 | 104.7 | 88.0 | 78.7 | 74.4 | 78.7 |
| 100° | 118.8 | 121.7 | 130.2 | 131.6 | 166.9 | 200.9 | 183.9 | 162.7 | 155.6 | 151.4 | 155.6 |
| 102.5° | 153.9 | 155.6 | 168.6 | 174.6 | 182.8 | 202.0 | 260.9 | 254.4 | 249.6 | 248.7 | 249.6 |
| 105° | 206.6 | 208.0 | 232.0 | 243.3 | 249.0 | 249.0 | 247.6 | 275.9 | 321.2 | 331.1 | 321.2 |
| 107.5° | 262.9 | 269.4 | 297.7 | 328.0 | 334.5 | 336.2 | 328.8 | 324.6 | 322.9 | 324.0 | 322.9 |
| 110° | 301.4 | 311.3 | 345.2 | 383.4 | 393.3 | 396.1 | 393.3 | 389.1 | 386.2 | 386.2 | 386.2 |



TEST NUMBER: P1427623

CATALOG NUMBER: SQ2W-BBN-K-100U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 338.7 | 353.1 | 391.6 | 435.5 | 452.2 | 460.7 | 454.4 | 451.3 | 448.5 | 450.8 | 448.5 |
| 115° | 396.1 | 417.4 | 468.3 | 513.6 | 547.5 | 551.8 | 550.4 | 550.4 | 548.9 | 548.9 | 548.9 |
| 117.5° | 449.3 | 483.3 | 540.5 | 593.1 | 632.4 | 643.7 | 649.4 | 647.7 | 646.0 | 648.8 | 646.0 |
| 120° | 486.7 | 526.3 | 591.4 | 650.8 | 689.0 | 706.0 | 711.6 | 708.8 | 711.6 | 708.8 | 711.6 |
| 122.5° | 526.3 | 575.0 | 638.9 | 700.6 | 745.6 | 764.8 | 771.6 | 772.2 | 772.8 | 771.1 | 772.8 |
| 125° | 585.7 | 645.2 | 720.1 | 783.8 | 830.5 | 853.1 | 858.8 | 860.2 | 863.0 | 870.1 | 863.0 |
| 127.5° | 645.7 | 713.1 | 795.4 | 856.8 | 904.6 | 932.1 | 940.8 | 944.0 | 949.9 | 953.0 | 949.9 |
| 130° | 687.6 | 764.0 | 847.5 | 905.5 | 952.2 | 981.9 | 997.4 | 1001.7 | 1008.8 | 1007.3 | 1008.8 |
| 132.5° | 731.7 | 811.5 | 896.1 | 956.4 | 999.7 | 1031.7 | 1045.0 | 1057.1 | 1059.7 | 1061.7 | 1059.7 |
| 135° | 796.5 | 882.8 | 967.7 | 1027.2 | 1068.2 | 1099.3 | 1116.3 | 1127.6 | 1134.7 | 1138.9 | 1134.7 |
| 137.5° | 864.7 | 955.8 | 1037.3 | 1090.3 | 1131.6 | 1158.4 | 1177.7 | 1189.6 | 1196.9 | 1200.3 | 1196.9 |
| 140° | 911.1 | 998.9 | 1078.1 | 1133.3 | 1170.0 | 1196.9 | 1213.9 | 1228.1 | 1236.5 | 1236.5 | 1236.5 |
| 142.5° | 955.3 | 1041.9 | 1118.8 | 1174.0 | 1206.3 | 1230.9 | 1249.0 | 1259.7 | 1269.4 | 1269.4 | 1269.4 |
| 145° | 1017.2 | 1103.6 | 1174.3 | 1229.5 | 1256.4 | 1279.0 | 1298.8 | 1307.3 | 1312.9 | 1312.9 | 1312.9 |
| 147.5° | 1082.0 | 1158.4 | 1223.0 | 1275.9 | 1298.5 | 1325.1 | 1340.7 | 1347.5 | 1354.5 | 1351.4 | 1354.5 |
| 150° | 1120.5 | 1191.3 | 1253.5 | 1303.0 | 1325.7 | 1351.1 | 1366.7 | 1372.4 | 1379.4 | 1375.2 | 1379.4 |
| 152.5° | 1157.9 | 1225.2 | 1281.8 | 1327.9 | 1347.2 | 1372.6 | 1390.5 | 1396.1 | 1400.9 | 1397.8 | 1400.9 |
| 155° | 1208.2 | 1267.7 | 1320.0 | 1362.5 | 1379.4 | 1403.5 | 1420.5 | 1427.5 | 1433.2 | 1426.1 | 1433.2 |
| 157.5° | 1253.2 | 1304.5 | 1350.0 | 1389.1 | 1407.2 | 1427.8 | 1443.7 | 1452.4 | 1458.1 | 1455.0 | 1458.1 |
| 160° | 1280.4 | 1327.1 | 1368.1 | 1404.9 | 1421.9 | 1440.3 | 1457.3 | 1467.2 | 1472.8 | 1468.6 | 1472.8 |
| 162.5° | 1303.0 | 1345.2 | 1384.0 | 1417.4 | 1432.1 | 1448.2 | 1468.6 | 1477.3 | 1483.0 | 1477.6 | 1483.0 |
| 165° | 1335.6 | 1369.5 | 1403.5 | 1431.8 | 1444.5 | 1457.3 | 1478.5 | 1488.4 | 1492.6 | 1487.0 | 1492.6 |
| 167.5° | 1360.2 | 1386.2 | 1413.7 | 1438.0 | 1447.4 | 1459.8 | 1481.0 | 1489.2 | 1494.6 | 1487.5 | 1494.6 |
| 170° | 1373.8 | 1396.4 | 1420.5 | 1440.3 | 1447.4 | 1458.7 | 1479.9 | 1487.0 | 1491.2 | 1484.1 | 1491.2 |
| 172.5° | 1385.1 | 1402.1 | 1421.6 | 1439.1 | 1442.8 | 1451.9 | 1472.0 | 1479.0 | 1482.2 | 1476.2 | 1482.2 |
| 175° | 1396.4 | 1406.3 | 1420.5 | 1431.8 | 1430.4 | 1436.0 | 1453.0 | 1458.7 | 1464.3 | 1455.8 | 1464.3 |
| 177.5° | 1401.8 | 1406.3 | 1410.8 | 1417.6 | 1413.1 | 1413.1 | 1425.6 | 1429.0 | 1430.1 | 1425.6 | 1430.1 |
| 180° | 1400.7 | 1400.7 | 1400.7 | 1400.7 | 1400.7 | 1400.7 | 1400.7 | 1400.7 | 1400.7 | 1400.7 | 1400.7 |



TEST NUMBER: P1427623

CATALOG NUMBER: SQ2W-BBN-K-100U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° | 190° | 200° | 210° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 7848.4 | 7848.4 | 7848.4 | 7848.4 | 7848.4 | 7848.4 | 7848.4 | 7848.4 | 7848.4 | 7848.4 | 7848.4 |
| 2.5° | 7806.7 | 7788.1 | 7760.4 | 7761.6 | 7791.8 | 7817.7 | 7830.8 | 7843.9 | 7830.8 | 7817.7 | 7791.8 |
| 5° | 7556.2 | 7525.0 | 7484.1 | 7475.3 | 7498.6 | 7520.6 | 7538.8 | 7557.0 | 7538.8 | 7520.6 | 7498.6 |
| 7.5° | 6988.1 | 6955.4 | 6910.1 | 6898.5 | 6920.7 | 6935.8 | 6929.9 | 6924.0 | 6929.9 | 6935.8 | 6920.7 |
| 10° | 6445.3 | 6438.3 | 6423.2 | 6416.9 | 6419.4 | 6420.2 | 6415.8 | 6411.4 | 6415.8 | 6420.2 | 6419.4 |
| 12.5° | 5835.8 | 5817.1 | 5794.4 | 5799.5 | 5832.2 | 5852.3 | 5834.8 | 5817.3 | 5834.8 | 5852.3 | 5832.2 |
| 15° | 4871.0 | 4848.5 | 4818.3 | 4834.7 | 4897.5 | 4937.6 | 4909.3 | 4881.0 | 4909.3 | 4937.6 | 4897.5 |
| 17.5° | 3936.6 | 3932.8 | 3927.2 | 3940.4 | 3972.4 | 3997.2 | 4000.1 | 4003.0 | 4000.1 | 3997.2 | 3972.4 |
| 20° | 3347.2 | 3349.7 | 3354.1 | 3369.8 | 3396.9 | 3418.2 | 3422.6 | 3427.0 | 3422.6 | 3418.2 | 3396.9 |
| 22.5° | 2872.2 | 2879.4 | 2890.3 | 2900.5 | 2909.9 | 2918.9 | 2926.3 | 2933.7 | 2926.3 | 2918.9 | 2909.9 |
| 25° | 2280.9 | 2272.9 | 2257.8 | 2259.1 | 2276.7 | 2295.9 | 2319.7 | 2343.6 | 2319.7 | 2295.9 | 2276.7 |
| 27.5° | 1850.9 | 1849.1 | 1847.4 | 1854.1 | 1869.1 | 1880.4 | 1880.7 | 1881.1 | 1880.7 | 1880.4 | 1869.1 |
| 30° | 1623.2 | 1624.7 | 1624.0 | 1630.9 | 1645.4 | 1657.3 | 1661.7 | 1666.1 | 1661.7 | 1657.3 | 1645.4 |
| 32.5° | 1432.0 | 1436.4 | 1439.8 | 1450.5 | 1468.5 | 1481.2 | 1478.1 | 1474.9 | 1478.1 | 1481.2 | 1468.5 |
| 35° | 1173.5 | 1181.0 | 1190.4 | 1202.1 | 1215.9 | 1226.3 | 1226.3 | 1226.3 | 1226.3 | 1226.3 | 1215.9 |
| 37.5° | 939.9 | 951.1 | 964.5 | 976.0 | 985.8 | 993.5 | 994.6 | 995.7 | 994.6 | 993.5 | 985.8 |
| 40° | 788.9 | 802.9 | 819.2 | 830.6 | 836.8 | 842.3 | 845.5 | 848.6 | 845.5 | 842.3 | 836.8 |
| 42.5° | 646.6 | 661.5 | 677.8 | 689.1 | 695.4 | 698.0 | 689.6 | 681.2 | 689.6 | 698.0 | 695.4 |
| 45° | 434.4 | 462.5 | 481.4 | 488.3 | 483.2 | 470.7 | 435.5 | 400.3 | 435.5 | 470.7 | 483.2 |
| 47.5° | 204.2 | 253.1 | 302.7 | 312.4 | 281.9 | 249.4 | 210.7 | 172.0 | 210.7 | 249.4 | 281.9 |
| 50° | 100.7 | 152.8 | 215.0 | 224.1 | 180.1 | 139.6 | 109.4 | 79.2 | 109.4 | 139.6 | 180.1 |
| 52.5° | 59.1 | 102.2 | 155.9 | 160.0 | 114.5 | 76.6 | 61.5 | 46.4 | 61.5 | 76.6 | 114.5 |
| 55° | 24.4 | 46.7 | 75.0 | 76.2 | 50.4 | 29.9 | 24.8 | 19.8 | 24.8 | 29.9 | 50.4 |
| 57.5° | 10.5 | 18.6 | 28.6 | 29.2 | 20.3 | 12.9 | 10.1 | 7.4 | 10.1 | 12.9 | 20.3 |
| 60° | 3.9 | 8.0 | 13.0 | 13.4 | 9.0 | 5.3 | 4.1 | 2.8 | 4.1 | 5.3 | 9.0 |
| 62.5° | 1.8 | 3.9 | 6.4 | 6.4 | 4.1 | 2.1 | 1.3 | 0.6 | 1.3 | 2.1 | 4.1 |
| 65° | 0.0 | 0.5 | 1.1 | 1.1 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 5.9 | 5.7 | 5.7 | 5.4 | 4.5 | 3.4 | 2.0 | 0.8 | 2.0 | 3.1 | 5.1 |
| 90° | 29.7 | 28.3 | 28.3 | 26.9 | 22.6 | 17.0 | 9.9 | 4.2 | 9.9 | 15.6 | 25.5 |
| 92.5° | 35.4 | 35.1 | 32.8 | 30.3 | 24.9 | 24.9 | 24.6 | 15.6 | 26.9 | 38.2 | 54.9 |
| 95° | 32.5 | 32.5 | 38.2 | 48.1 | 70.7 | 72.2 | 48.1 | 43.9 | 62.3 | 87.7 | 110.4 |
| 97.5° | 88.0 | 104.7 | 128.5 | 133.0 | 125.9 | 93.9 | 90.0 | 83.8 | 114.0 | 139.2 | 175.7 |
| 100° | 162.7 | 183.9 | 200.9 | 166.9 | 131.6 | 130.2 | 121.7 | 118.8 | 151.4 | 175.4 | 210.8 |
| 102.5° | 254.4 | 260.9 | 202.0 | 182.8 | 174.6 | 168.6 | 155.6 | 153.9 | 186.5 | 219.6 | 249.3 |
| 105° | 275.9 | 247.6 | 249.0 | 249.0 | 243.3 | 232.0 | 208.0 | 206.6 | 243.3 | 281.5 | 318.3 |
| 107.5° | 324.6 | 328.8 | 336.2 | 334.5 | 328.0 | 297.7 | 269.4 | 262.9 | 296.0 | 341.8 | 382.3 |
| 110° | 389.1 | 393.3 | 396.1 | 393.3 | 383.4 | 345.2 | 311.3 | 301.4 | 331.1 | 379.2 | 423.0 |



TEST NUMBER: P1427623

CATALOG NUMBER: SQ2W-BBN-K-100U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° | 190° | 200° | 210° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 451.3 | 454.4 | 460.7 | 452.2 | 435.5 | 391.6 | 353.1 | 338.7 | 368.4 | 417.7 | 462.6 |
| 115° | 550.4 | 550.4 | 551.8 | 547.5 | 513.6 | 468.3 | 417.4 | 396.1 | 421.6 | 466.9 | 516.4 |
| 117.5° | 647.7 | 649.4 | 643.7 | 632.4 | 593.1 | 540.5 | 483.3 | 449.3 | 469.4 | 517.3 | 568.2 |
| 120° | 708.8 | 711.6 | 706.0 | 689.0 | 650.8 | 591.4 | 526.3 | 486.7 | 502.3 | 548.9 | 599.9 |
| 122.5° | 772.2 | 771.6 | 764.8 | 745.6 | 700.6 | 638.9 | 575.0 | 526.3 | 532.8 | 576.1 | 625.9 |
| 125° | 860.2 | 858.8 | 853.1 | 830.5 | 783.8 | 720.1 | 645.2 | 585.7 | 577.2 | 614.0 | 665.0 |
| 127.5° | 944.0 | 940.8 | 932.1 | 904.6 | 856.8 | 795.4 | 713.1 | 645.7 | 626.8 | 650.0 | 696.7 |
| 130° | 1001.7 | 997.4 | 981.9 | 952.2 | 905.5 | 847.5 | 764.0 | 687.6 | 660.7 | 674.9 | 715.9 |
| 132.5° | 1057.1 | 1045.0 | 1031.7 | 999.7 | 956.4 | 896.1 | 811.5 | 731.7 | 694.7 | 700.9 | 732.9 |
| 135° | 1127.6 | 1116.3 | 1099.3 | 1068.2 | 1027.2 | 967.7 | 882.8 | 796.5 | 745.6 | 739.9 | 758.3 |
| 137.5° | 1189.6 | 1177.7 | 1158.4 | 1131.6 | 1090.3 | 1037.3 | 955.8 | 864.7 | 800.5 | 781.5 | 788.6 |
| 140° | 1228.1 | 1213.9 | 1196.9 | 1170.0 | 1133.3 | 1078.1 | 998.9 | 911.1 | 839.0 | 812.1 | 807.9 |
| 142.5° | 1259.7 | 1249.0 | 1230.9 | 1206.3 | 1174.0 | 1118.8 | 1041.9 | 955.3 | 878.6 | 843.8 | 833.9 |
| 145° | 1307.3 | 1298.8 | 1279.0 | 1256.4 | 1229.5 | 1174.3 | 1103.6 | 1017.2 | 940.8 | 895.6 | 874.4 |
| 147.5° | 1347.5 | 1340.7 | 1325.1 | 1298.5 | 1275.9 | 1223.0 | 1158.4 | 1082.0 | 1003.7 | 947.6 | 920.2 |
| 150° | 1372.4 | 1366.7 | 1351.1 | 1325.7 | 1303.0 | 1253.5 | 1191.3 | 1120.5 | 1045.5 | 986.1 | 950.8 |
| 152.5° | 1396.1 | 1390.5 | 1372.6 | 1347.2 | 1327.9 | 1281.8 | 1225.2 | 1157.9 | 1081.8 | 1022.3 | 985.8 |
| 155° | 1427.5 | 1420.5 | 1403.5 | 1379.4 | 1362.5 | 1320.0 | 1267.7 | 1208.2 | 1143.2 | 1080.9 | 1039.9 |
| 157.5° | 1452.4 | 1443.7 | 1427.8 | 1407.2 | 1389.1 | 1350.0 | 1304.5 | 1253.2 | 1196.4 | 1136.9 | 1095.1 |
| 160° | 1467.2 | 1457.3 | 1440.3 | 1421.9 | 1404.9 | 1368.1 | 1327.1 | 1280.4 | 1228.1 | 1174.3 | 1129.0 |
| 162.5° | 1477.3 | 1468.6 | 1448.2 | 1432.1 | 1417.4 | 1384.0 | 1345.2 | 1303.0 | 1256.4 | 1209.4 | 1167.5 |
| 165° | 1488.4 | 1478.5 | 1457.3 | 1444.5 | 1431.8 | 1403.5 | 1369.5 | 1335.6 | 1296.0 | 1257.8 | 1223.8 |
| 167.5° | 1489.2 | 1481.0 | 1459.8 | 1447.4 | 1438.0 | 1413.7 | 1386.2 | 1360.2 | 1329.4 | 1299.4 | 1271.1 |
| 170° | 1487.0 | 1479.9 | 1458.7 | 1447.4 | 1440.3 | 1420.5 | 1396.4 | 1373.8 | 1349.7 | 1324.3 | 1301.6 |
| 172.5° | 1479.0 | 1472.0 | 1451.9 | 1442.8 | 1439.1 | 1421.6 | 1402.1 | 1385.1 | 1364.4 | 1345.8 | 1327.7 |
| 175° | 1458.7 | 1453.0 | 1436.0 | 1430.4 | 1431.8 | 1420.5 | 1406.3 | 1396.4 | 1383.7 | 1372.4 | 1362.5 |
| 177.5° | 1429.0 | 1425.6 | 1413.1 | 1413.1 | 1417.6 | 1410.8 | 1406.3 | 1401.8 | 1396.1 | 1392.7 | 1389.3 |
| 180° | 1400.7 | 1400.7 | 1400.7 | 1400.7 | 1400.7 | 1400.7 | 1400.7 | 1400.7 | 1400.7 | 1400.7 | 1400.7 |



TEST NUMBER: P1427623

CATALOG NUMBER: SQ2W-BBN-K-100U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 220° | 230° | 240° | 250° | 260° | 270° | 280° | 290° | 300° | 310° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 7848.4 | 7848.4 | 7848.4 | 7848.4 | 7848.4 | 7848.4 | 7848.4 | 7848.4 | 7848.4 | 7848.4 | 7848.4 |
| 2.5° | 7761.6 | 7760.4 | 7788.1 | 7806.7 | 7798.1 | 7789.6 | 7798.1 | 7806.7 | 7788.1 | 7760.4 | 7761.6 |
| 5° | 7475.3 | 7484.1 | 7525.0 | 7556.2 | 7558.8 | 7561.3 | 7558.8 | 7556.2 | 7525.0 | 7484.1 | 7475.3 |
| 7.5° | 6898.5 | 6910.1 | 6955.4 | 6988.1 | 6983.2 | 6978.3 | 6983.2 | 6988.1 | 6955.4 | 6910.1 | 6898.5 |
| 10° | 6416.9 | 6423.2 | 6438.3 | 6445.3 | 6428.4 | 6411.4 | 6428.4 | 6445.3 | 6438.3 | 6423.2 | 6416.9 |
| 12.5° | 5799.5 | 5794.4 | 5817.1 | 5835.8 | 5843.0 | 5850.2 | 5843.0 | 5835.8 | 5817.1 | 5794.4 | 5799.5 |
| 15° | 4834.7 | 4818.3 | 4848.5 | 4871.0 | 4870.3 | 4869.7 | 4870.3 | 4871.0 | 4848.5 | 4818.3 | 4834.7 |
| 17.5° | 3940.4 | 3927.2 | 3932.8 | 3936.6 | 3934.7 | 3932.8 | 3934.7 | 3936.6 | 3932.8 | 3927.2 | 3940.4 |
| 20° | 3369.8 | 3354.1 | 3349.7 | 3347.2 | 3350.4 | 3353.5 | 3350.4 | 3347.2 | 3349.7 | 3354.1 | 3369.8 |
| 22.5° | 2900.5 | 2890.3 | 2879.4 | 2872.2 | 2876.4 | 2880.5 | 2876.4 | 2872.2 | 2879.4 | 2890.3 | 2900.5 |
| 25° | 2259.1 | 2257.8 | 2272.9 | 2280.9 | 2267.7 | 2254.5 | 2267.7 | 2280.9 | 2272.9 | 2257.8 | 2259.1 |
| 27.5° | 1854.1 | 1847.4 | 1849.1 | 1850.9 | 1853.4 | 1856.0 | 1853.4 | 1850.9 | 1849.1 | 1847.4 | 1854.1 |
| 30° | 1630.9 | 1624.0 | 1624.7 | 1623.2 | 1615.7 | 1608.2 | 1615.7 | 1623.2 | 1624.7 | 1624.0 | 1630.9 |
| 32.5° | 1450.5 | 1439.8 | 1436.4 | 1432.0 | 1424.5 | 1416.9 | 1424.5 | 1432.0 | 1436.4 | 1439.8 | 1450.5 |
| 35° | 1202.1 | 1190.4 | 1181.0 | 1173.5 | 1171.6 | 1169.7 | 1171.6 | 1173.5 | 1181.0 | 1190.4 | 1202.1 |
| 37.5° | 976.0 | 964.5 | 951.1 | 939.9 | 935.0 | 930.1 | 935.0 | 939.9 | 951.1 | 964.5 | 976.0 |
| 40° | 830.6 | 819.2 | 802.9 | 788.9 | 782.0 | 775.1 | 782.0 | 788.9 | 802.9 | 819.2 | 830.6 |
| 42.5° | 689.1 | 677.8 | 661.5 | 646.6 | 636.2 | 625.7 | 636.2 | 646.6 | 661.5 | 677.8 | 689.1 |
| 45° | 488.3 | 481.4 | 462.5 | 434.4 | 378.4 | 322.5 | 378.4 | 434.4 | 462.5 | 481.4 | 488.3 |
| 47.5° | 312.4 | 302.7 | 253.1 | 204.2 | 157.7 | 111.2 | 157.7 | 204.2 | 253.1 | 302.7 | 312.4 |
| 50° | 224.1 | 215.0 | 152.8 | 100.7 | 79.4 | 58.0 | 79.4 | 100.7 | 152.8 | 215.0 | 224.1 |
| 52.5° | 160.0 | 155.9 | 102.2 | 59.1 | 47.8 | 36.5 | 47.8 | 59.1 | 102.2 | 155.9 | 160.0 |
| 55° | 76.2 | 75.0 | 46.7 | 24.4 | 20.0 | 15.6 | 20.0 | 24.4 | 46.7 | 75.0 | 76.2 |
| 57.5° | 29.2 | 28.6 | 18.6 | 10.5 | 8.2 | 5.9 | 8.2 | 10.5 | 18.6 | 28.6 | 29.2 |
| 60° | 13.4 | 13.0 | 8.0 | 3.9 | 2.7 | 1.4 | 2.7 | 3.9 | 8.0 | 13.0 | 13.4 |
| 62.5° | 6.4 | 6.4 | 3.9 | 1.8 | 1.0 | 0.3 | 1.0 | 1.8 | 3.9 | 6.4 | 6.4 |
| 65° | 1.1 | 1.1 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 1.1 | 1.1 | 1.1 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 6.5 | 8.5 | 10.5 | 11.6 | 12.7 | 12.2 | 12.7 | 11.6 | 10.5 | 8.5 | 6.5 |
| 90° | 32.5 | 42.4 | 52.3 | 58.0 | 63.7 | 60.8 | 63.7 | 58.0 | 52.3 | 42.4 | 32.5 |
| 92.5° | 65.4 | 82.1 | 94.2 | 104.4 | 108.9 | 108.4 | 108.9 | 104.4 | 94.2 | 82.1 | 65.4 |
| 95° | 131.6 | 151.4 | 171.2 | 185.3 | 193.8 | 191.0 | 193.8 | 185.3 | 171.2 | 151.4 | 131.6 |
| 97.5° | 202.9 | 229.5 | 251.6 | 264.9 | 273.3 | 279.0 | 273.3 | 264.9 | 251.6 | 229.5 | 202.9 |
| 100° | 250.4 | 275.9 | 301.4 | 316.9 | 331.1 | 336.7 | 331.1 | 316.9 | 301.4 | 275.9 | 250.4 |
| 102.5° | 288.9 | 322.3 | 350.0 | 366.7 | 378.6 | 384.3 | 378.6 | 366.7 | 350.0 | 322.3 | 288.9 |
| 105° | 352.3 | 387.7 | 417.4 | 438.6 | 451.3 | 455.6 | 451.3 | 438.6 | 417.4 | 387.7 | 352.3 |
| 107.5° | 415.7 | 452.2 | 479.6 | 503.1 | 518.7 | 527.7 | 518.7 | 503.1 | 479.6 | 452.2 | 415.7 |
| 110° | 465.5 | 495.2 | 524.9 | 546.1 | 561.7 | 567.3 | 561.7 | 546.1 | 524.9 | 495.2 | 465.5 |



TEST NUMBER: P1427623

CATALOG NUMBER: SQ2W-BBN-K-100U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 220° | 230° | 240° | 250° | 260° | 270° | 280° | 290° | 300° | 310° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 507.4 | 540.5 | 570.2 | 591.4 | 609.2 | 617.1 | 609.2 | 591.4 | 570.2 | 540.5 | 507.4 |
| 115° | 565.9 | 609.8 | 636.7 | 656.5 | 669.2 | 676.3 | 669.2 | 656.5 | 636.7 | 609.8 | 565.9 |
| 117.5° | 614.6 | 660.4 | 689.9 | 705.1 | 711.1 | 716.2 | 711.1 | 705.1 | 689.9 | 660.4 | 614.6 |
| 120° | 645.2 | 687.6 | 721.6 | 741.4 | 748.4 | 751.3 | 748.4 | 741.4 | 721.6 | 687.6 | 645.2 |
| 122.5° | 673.4 | 713.6 | 746.5 | 770.8 | 782.4 | 785.2 | 782.4 | 770.8 | 746.5 | 713.6 | 673.4 |
| 125° | 713.1 | 751.3 | 785.2 | 809.3 | 822.0 | 829.1 | 822.0 | 809.3 | 785.2 | 751.3 | 713.1 |
| 127.5° | 747.6 | 788.9 | 820.0 | 841.8 | 854.3 | 859.9 | 854.3 | 841.8 | 820.0 | 788.9 | 747.6 |
| 130° | 766.8 | 809.3 | 840.4 | 864.4 | 875.8 | 881.4 | 875.8 | 864.4 | 840.4 | 809.3 | 766.8 |
| 132.5° | 781.5 | 826.2 | 858.5 | 880.3 | 892.7 | 898.4 | 892.7 | 880.3 | 858.5 | 826.2 | 781.5 |
| 135° | 799.4 | 846.1 | 880.0 | 901.2 | 912.6 | 918.2 | 912.6 | 901.2 | 880.0 | 846.1 | 799.4 |
| 137.5° | 814.9 | 857.4 | 892.7 | 915.1 | 925.3 | 929.0 | 925.3 | 915.1 | 892.7 | 857.4 | 814.9 |
| 140° | 826.2 | 863.0 | 898.4 | 919.6 | 930.9 | 932.4 | 930.9 | 919.6 | 898.4 | 863.0 | 826.2 |
| 142.5° | 841.0 | 869.8 | 900.7 | 921.9 | 933.2 | 935.8 | 933.2 | 921.9 | 900.7 | 869.8 | 841.0 |
| 145° | 867.3 | 884.3 | 905.5 | 925.3 | 935.2 | 938.0 | 935.2 | 925.3 | 905.5 | 884.3 | 867.3 |
| 147.5° | 900.4 | 905.8 | 916.8 | 929.8 | 939.4 | 941.4 | 939.4 | 929.8 | 916.8 | 905.8 | 900.4 |
| 150° | 925.3 | 923.9 | 928.1 | 936.6 | 945.1 | 943.7 | 945.1 | 936.6 | 928.1 | 923.9 | 925.3 |
| 152.5° | 953.6 | 945.4 | 945.1 | 949.1 | 953.0 | 952.7 | 953.0 | 949.1 | 945.1 | 945.4 | 953.6 |
| 155° | 1001.7 | 986.1 | 977.6 | 974.8 | 974.8 | 973.4 | 974.8 | 974.8 | 977.6 | 986.1 | 1001.7 |
| 157.5° | 1054.6 | 1032.8 | 1020.1 | 1013.3 | 1011.3 | 1008.2 | 1011.3 | 1013.3 | 1020.1 | 1032.8 | 1054.6 |
| 160° | 1090.8 | 1066.8 | 1054.0 | 1042.7 | 1038.5 | 1034.2 | 1038.5 | 1042.7 | 1054.0 | 1066.8 | 1090.8 |
| 162.5° | 1124.8 | 1101.9 | 1088.0 | 1077.8 | 1073.6 | 1067.1 | 1073.6 | 1077.8 | 1088.0 | 1101.9 | 1124.8 |
| 165° | 1180.0 | 1155.9 | 1140.3 | 1131.8 | 1126.2 | 1120.5 | 1126.2 | 1131.8 | 1140.3 | 1155.9 | 1180.0 |
| 167.5° | 1235.1 | 1208.8 | 1198.6 | 1189.0 | 1183.6 | 1173.4 | 1183.6 | 1189.0 | 1198.6 | 1208.8 | 1235.1 |
| 170° | 1269.1 | 1245.0 | 1239.4 | 1230.9 | 1221.0 | 1209.7 | 1221.0 | 1230.9 | 1239.4 | 1245.0 | 1269.1 |
| 172.5° | 1298.5 | 1282.4 | 1276.7 | 1268.2 | 1265.1 | 1256.1 | 1265.1 | 1268.2 | 1276.7 | 1282.4 | 1298.5 |
| 175° | 1341.2 | 1328.5 | 1328.5 | 1327.1 | 1322.8 | 1314.4 | 1322.8 | 1327.1 | 1328.5 | 1328.5 | 1341.2 |
| 177.5° | 1376.9 | 1370.1 | 1374.6 | 1374.6 | 1373.5 | 1365.6 | 1373.5 | 1374.6 | 1374.6 | 1370.1 | 1376.9 |
| 180° | 1400.7 | 1400.7 | 1400.7 | 1400.7 | 1400.7 | 1400.7 | 1400.7 | 1400.7 | 1400.7 | 1400.7 | 1400.7 |



TEST NUMBER: P1427623

CATALOG NUMBER: SQ2W-BBN-K-100U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 330° | 340° | 350° | 360° |
|--------|--------|--------|--------|--------|
| 0° | 7848.4 | 7848.4 | 7848.4 | 7848.4 |
| 2.5° | 7791.8 | 7817.7 | 7830.8 | 7843.9 |
| 5° | 7498.6 | 7520.6 | 7538.8 | 7557.0 |
| 7.5° | 6920.7 | 6935.8 | 6929.9 | 6924.0 |
| 10° | 6419.4 | 6420.2 | 6415.8 | 6411.4 |
| 12.5° | 5832.2 | 5852.3 | 5834.8 | 5817.3 |
| 15° | 4897.5 | 4937.6 | 4909.3 | 4881.0 |
| 17.5° | 3972.4 | 3997.2 | 4000.1 | 4003.0 |
| 20° | 3396.9 | 3418.2 | 3422.6 | 3427.0 |
| 22.5° | 2909.9 | 2918.9 | 2926.3 | 2933.7 |
| 25° | 2276.7 | 2295.9 | 2319.7 | 2343.6 |
| 27.5° | 1869.1 | 1880.4 | 1880.7 | 1881.1 |
| 30° | 1645.4 | 1657.3 | 1661.7 | 1666.1 |
| 32.5° | 1468.5 | 1481.2 | 1478.1 | 1474.9 |
| 35° | 1215.9 | 1226.3 | 1226.3 | 1226.3 |
| 37.5° | 985.8 | 993.5 | 994.6 | 995.7 |
| 40° | 836.8 | 842.3 | 845.5 | 848.6 |
| 42.5° | 695.4 | 698.0 | 689.6 | 681.2 |
| 45° | 483.2 | 470.7 | 435.5 | 400.3 |
| 47.5° | 281.9 | 249.4 | 210.7 | 172.0 |
| 50° | 180.1 | 139.6 | 109.4 | 79.2 |
| 52.5° | 114.5 | 76.6 | 61.5 | 46.4 |
| 55° | 50.4 | 29.9 | 24.8 | 19.8 |
| 57.5° | 20.3 | 12.9 | 10.1 | 7.4 |
| 60° | 9.0 | 5.3 | 4.1 | 2.8 |
| 62.5° | 4.1 | 2.1 | 1.3 | 0.6 |
| 65° | 0.5 | 0.0 | 0.0 | 0.0 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 5.1 | 3.1 | 2.0 | 0.8 |
| 90° | 25.5 | 15.6 | 9.9 | 4.2 |
| 92.5° | 54.9 | 38.2 | 26.9 | 15.6 |
| 95° | 110.4 | 87.7 | 62.3 | 43.9 |
| 97.5° | 175.7 | 139.2 | 114.0 | 83.8 |
| 100° | 210.8 | 175.4 | 151.4 | 118.8 |
| 102.5° | 249.3 | 219.6 | 186.5 | 153.9 |
| 105° | 318.3 | 281.5 | 243.3 | 206.6 |
| 107.5° | 382.3 | 341.8 | 296.0 | 262.9 |
| 110° | 423.0 | 379.2 | 331.1 | 301.4 |

TEST NUMBER: P1427623

CATALOG NUMBER: SQ2W-BBN-K-100U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 330° | 340° | 350° | 360° |
|--------|--------|--------|--------|--------|
| 112.5° | 462.6 | 417.7 | 368.4 | 338.7 |
| 115° | 516.4 | 466.9 | 421.6 | 396.1 |
| 117.5° | 568.2 | 517.3 | 469.4 | 449.3 |
| 120° | 599.9 | 548.9 | 502.3 | 486.7 |
| 122.5° | 625.9 | 576.1 | 532.8 | 526.3 |
| 125° | 665.0 | 614.0 | 577.2 | 585.7 |
| 127.5° | 696.7 | 650.0 | 626.8 | 645.7 |
| 130° | 715.9 | 674.9 | 660.7 | 687.6 |
| 132.5° | 732.9 | 700.9 | 694.7 | 731.7 |
| 135° | 758.3 | 739.9 | 745.6 | 796.5 |
| 137.5° | 788.6 | 781.5 | 800.5 | 864.7 |
| 140° | 807.9 | 812.1 | 839.0 | 911.1 |
| 142.5° | 833.9 | 843.8 | 878.6 | 955.3 |
| 145° | 874.4 | 895.6 | 940.8 | 1017.2 |
| 147.5° | 920.2 | 947.6 | 1003.7 | 1082.0 |
| 150° | 950.8 | 986.1 | 1045.5 | 1120.5 |
| 152.5° | 985.8 | 1022.3 | 1081.8 | 1157.9 |
| 155° | 1039.9 | 1080.9 | 1143.2 | 1208.2 |
| 157.5° | 1095.1 | 1136.9 | 1196.4 | 1253.2 |
| 160° | 1129.0 | 1174.3 | 1228.1 | 1280.4 |
| 162.5° | 1167.5 | 1209.4 | 1256.4 | 1303.0 |
| 165° | 1223.8 | 1257.8 | 1296.0 | 1335.6 |
| 167.5° | 1271.1 | 1299.4 | 1329.4 | 1360.2 |
| 170° | 1301.6 | 1324.3 | 1349.7 | 1373.8 |
| 172.5° | 1327.7 | 1345.8 | 1364.4 | 1385.1 |
| 175° | 1362.5 | 1372.4 | 1383.7 | 1396.4 |
| 177.5° | 1389.3 | 1392.7 | 1396.1 | 1401.8 |
| 180° | 1400.7 | 1400.7 | 1400.7 | 1400.7 |



TEST NUMBER: P1427623
 CATALOG NUMBER: SQ2W-BBN-K-100U-100D-L940-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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 3H | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 4H | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 6H | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 8H | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 12H | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4H | 2H | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 3H | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 4H | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 6H | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 8H | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 12H | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 8H | 4H | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 6H | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 8H | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 12H | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12H | 4H | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 6H | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 8H | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |