

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: P1428226

Luminaire Tested: SQ2W-PR1-K-050U-125D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428226
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-050U-125D-L940-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE RIPPLE LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1250 LUMENS PER FOOT
UPLIGHT 500 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

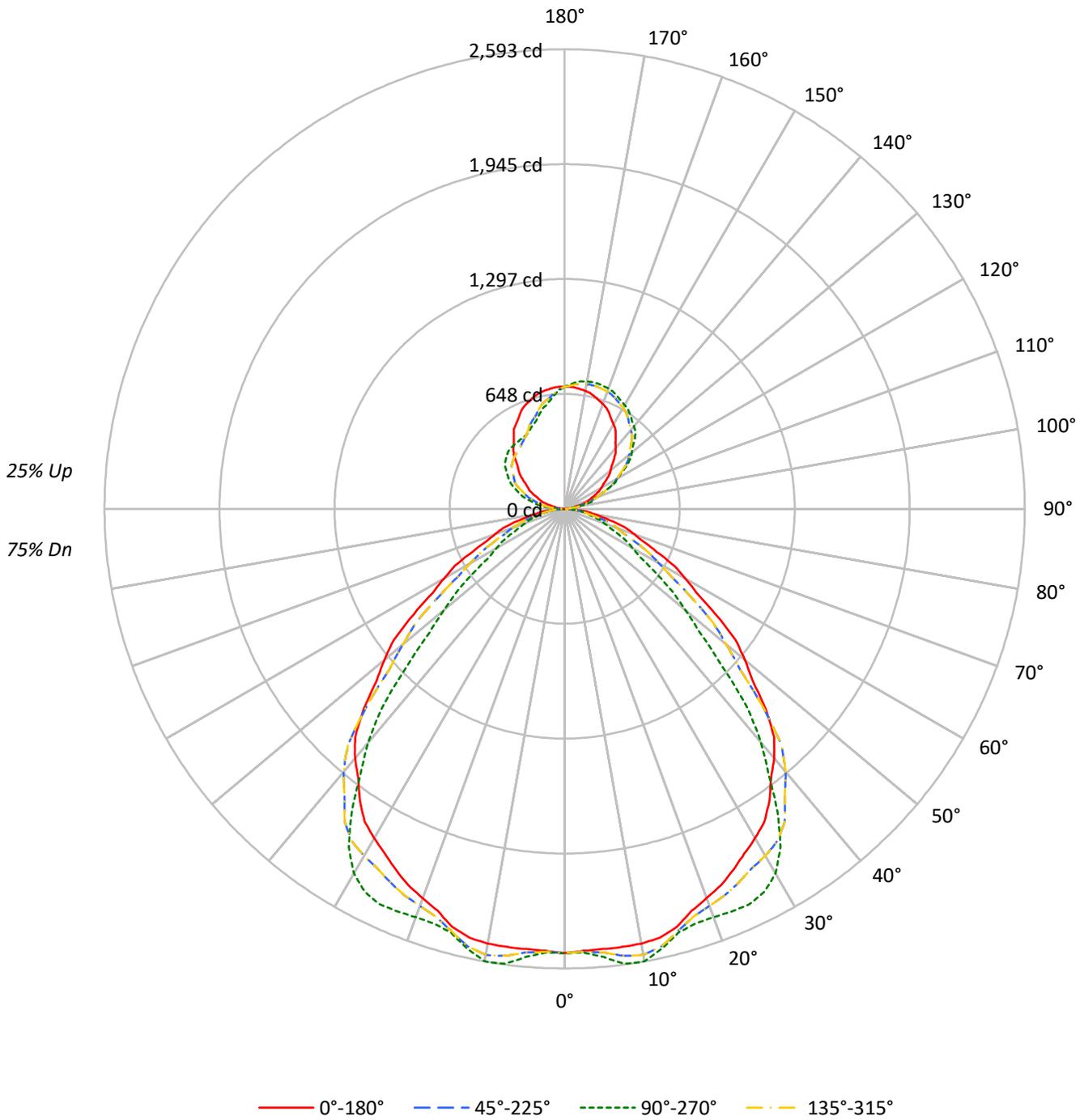
Lumens per Lamp: N/A
Luminaire Lumens: 8042.3 lumens
Efficiency: N/A
Efficacy: 125.5 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.34 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 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: P1428226

CATALOG NUMBER: SQ2W-PR1-K-050U-125D-L940-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P1428226

CATALOG NUMBER: SQ2W-PR1-K-050U-125D-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 | 113 | 113 | 113 | 113 | 108 | 108 | 108 | 108 | 97 | 97 | 97 | 88 | 88 | 88 | 79 | 79 | 79 | 75 |
| 1 | 104 | 100 | 97 | 93 | 99 | 96 | 92 | 89 | 87 | 84 | 82 | 79 | 77 | 75 | 71 | 70 | 69 | 65 |
| 2 | 96 | 89 | 83 | 78 | 91 | 85 | 79 | 75 | 77 | 73 | 69 | 70 | 67 | 64 | 64 | 61 | 59 | 56 |
| 3 | 88 | 79 | 72 | 66 | 84 | 75 | 69 | 64 | 69 | 64 | 59 | 63 | 59 | 55 | 57 | 54 | 51 | 48 |
| 4 | 81 | 70 | 63 | 57 | 77 | 67 | 60 | 55 | 62 | 56 | 51 | 57 | 52 | 48 | 52 | 48 | 45 | 42 |
| 5 | 75 | 63 | 55 | 49 | 71 | 61 | 53 | 48 | 56 | 50 | 45 | 51 | 46 | 42 | 47 | 43 | 40 | 37 |
| 6 | 69 | 57 | 49 | 43 | 66 | 55 | 47 | 42 | 51 | 44 | 40 | 47 | 41 | 38 | 43 | 39 | 35 | 33 |
| 7 | 64 | 52 | 44 | 38 | 61 | 50 | 43 | 37 | 46 | 40 | 35 | 43 | 37 | 33 | 39 | 35 | 32 | 29 |
| 8 | 60 | 47 | 40 | 34 | 57 | 46 | 38 | 33 | 42 | 36 | 32 | 39 | 34 | 30 | 36 | 32 | 28 | 26 |
| 9 | 56 | 43 | 36 | 31 | 53 | 42 | 35 | 30 | 39 | 33 | 29 | 36 | 31 | 27 | 34 | 29 | 26 | 24 |
| 10 | 52 | 40 | 33 | 28 | 50 | 39 | 32 | 27 | 36 | 30 | 26 | 34 | 28 | 25 | 31 | 27 | 24 | 22 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|-------|-------|-------|
| 0° | 40461 | 40461 | 40461 | 40461 |
| 5° | 40409 | 41153 | 40409 | 41153 |
| 10° | 40834 | 42510 | 40834 | 42510 |
| 15° | 40822 | 41377 | 40822 | 41377 |
| 20° | 40161 | 42136 | 40161 | 42136 |
| 25° | 40047 | 43870 | 40047 | 43870 |
| 30° | 40005 | 44291 | 40005 | 44291 |
| 35° | 39625 | 41237 | 39625 | 41237 |
| 40° | 38711 | 36290 | 38711 | 36290 |
| 45° | 36631 | 28697 | 36631 | 28697 |
| 50° | 33301 | 22265 | 33301 | 22265 |
| 55° | 29266 | 17331 | 29266 | 17331 |
| 60° | 25326 | 14269 | 25326 | 14269 |
| 65° | 21860 | 12493 | 21860 | 12493 |
| 70° | 19657 | 11094 | 19657 | 11094 |
| 75° | 18010 | 10199 | 18010 | 10199 |
| 80° | 15676 | 9977 | 15676 | 9977 |
| 85° | 11356 | 4724 | 11356 | 4724 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 39326 cd/sqm



TEST NUMBER: P1428226

CATALOG NUMBER: SQ2W-PR1-K-050U-125D-L940-UNV-STD-W-WM-4

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 242.0 | 3.0 |
| 10°-20° | 700.6 | 8.7 |
| 20°-30° | 1083.0 | 13.5 |
| 30°-40° | 1302.4 | 16.2 |
| 40°-50° | 1169.6 | 14.5 |
| 50°-60° | 783.7 | 9.7 |
| 60°-70° | 455.9 | 5.7 |
| 70°-80° | 234.1 | 2.9 |
| 80°-90° | 60.6 | 0.8 |
| 90°-100° | 54.8 | 0.7 |
| 100°-110° | 159.8 | 2.0 |
| 110°-120° | 260.8 | 3.2 |
| 120°-130° | 330.9 | 4.1 |
| 130°-140° | 354.1 | 4.4 |
| 140°-150° | 330.7 | 4.1 |
| 150°-160° | 272.1 | 3.4 |
| 160°-170° | 182.5 | 2.3 |
| 170°-180° | 64.8 | 0.8 |
| 0°-30° | 2025.6 | 25.2 |
| 0°-40° | 3328.0 | 41.4 |
| 0°-60° | 5281.2 | 65.7 |
| 0°-90° | 6031.9 | 75.0 |
| 90°-120° | 475.4 | 5.9 |
| 90°-150° | 1491.1 | 18.5 |
| 90°-180° | 2010.0 | 25.0 |
| 0°-180° | 8042.3 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 2506 | 2506 | 2506 | 2506 | 2506 | |
| 5° | 2493 | 2539 | 2493 | 2539 | 2493 | 238 |
| 15° | 2442 | 2475 | 2442 | 2475 | 2442 | 686 |
| 25° | 2248 | 2463 | 2248 | 2463 | 2248 | 1037 |
| 35° | 2010 | 2092 | 2010 | 2092 | 2010 | 1253 |
| 45° | 1604 | 1257 | 1604 | 1257 | 1604 | 1227 |
| 55° | 1040 | 616 | 1040 | 616 | 1040 | 934 |
| 65° | 572 | 327 | 572 | 327 | 572 | 579 |
| 75° | 289 | 164 | 289 | 164 | 289 | 306 |
| 85° | 61 | 26 | 61 | 26 | 61 | 76 |
| 90° | 2 | 15 | 2 | 30 | 2 | 4 |
| 95° | 22 | 16 | 22 | 94 | 22 | 26 |
| 105° | 102 | 163 | 102 | 224 | 102 | 108 |
| 115° | 195 | 270 | 195 | 332 | 195 | 192 |
| 125° | 288 | 428 | 288 | 408 | 288 | 258 |
| 135° | 392 | 560 | 392 | 451 | 392 | 303 |
| 145° | 500 | 645 | 500 | 461 | 500 | 313 |
| 155° | 594 | 701 | 594 | 478 | 594 | 273 |
| 165° | 657 | 731 | 657 | 551 | 657 | 185 |
| 175° | 686 | 716 | 686 | 646 | 686 | 65 |
| 180° | 689 | 689 | 689 | 689 | 689 | |



TEST NUMBER: P1428226

CATALOG NUMBER: SQ2W-PR1-K-050U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2506.0 | 2506.0 | 2506.0 | 2506.0 | 2506.0 | 2506.0 | 2506.0 | 2506.0 | 2506.0 | 2506.0 | 2506.0 |
| 2.5° | 2495.8 | 2509.4 | 2523.1 | 2516.9 | 2504.2 | 2498.3 | 2499.2 | 2500.6 | 2503.3 | 2506.0 | 2503.3 |
| 5° | 2493.3 | 2512.6 | 2531.9 | 2527.3 | 2514.8 | 2509.7 | 2512.0 | 2516.5 | 2527.9 | 2539.2 | 2527.9 |
| 7.5° | 2492.7 | 2520.2 | 2547.7 | 2549.8 | 2543.4 | 2543.6 | 2550.1 | 2558.8 | 2573.8 | 2588.8 | 2573.8 |
| 10° | 2490.7 | 2523.6 | 2556.6 | 2561.4 | 2556.8 | 2555.1 | 2556.3 | 2561.1 | 2577.0 | 2592.9 | 2577.0 |
| 12.5° | 2478.4 | 2516.8 | 2555.2 | 2551.2 | 2533.0 | 2523.1 | 2521.5 | 2522.5 | 2531.1 | 2539.8 | 2531.1 |
| 15° | 2442.2 | 2487.6 | 2533.0 | 2514.5 | 2474.8 | 2456.6 | 2460.0 | 2464.0 | 2469.7 | 2475.4 | 2469.7 |
| 17.5° | 2378.3 | 2425.8 | 2473.2 | 2456.6 | 2418.7 | 2405.9 | 2418.2 | 2430.1 | 2441.3 | 2452.4 | 2441.3 |
| 20° | 2337.4 | 2384.0 | 2430.5 | 2419.2 | 2388.5 | 2381.1 | 2397.0 | 2413.8 | 2433.1 | 2452.4 | 2433.1 |
| 22.5° | 2300.6 | 2347.2 | 2393.7 | 2386.5 | 2361.3 | 2359.8 | 2382.0 | 2405.4 | 2431.9 | 2458.5 | 2431.9 |
| 25° | 2248.0 | 2288.9 | 2329.8 | 2330.6 | 2318.1 | 2330.6 | 2368.1 | 2403.6 | 2433.1 | 2462.6 | 2433.1 |
| 27.5° | 2192.8 | 2216.9 | 2241.0 | 2256.9 | 2270.0 | 2301.9 | 2352.6 | 2395.7 | 2416.4 | 2437.1 | 2416.4 |
| 30° | 2145.8 | 2161.7 | 2177.6 | 2207.1 | 2241.2 | 2280.4 | 2324.7 | 2359.9 | 2367.8 | 2375.7 | 2367.8 |
| 32.5° | 2094.7 | 2104.3 | 2113.8 | 2155.4 | 2207.6 | 2245.4 | 2268.8 | 2283.8 | 2273.6 | 2263.3 | 2273.6 |
| 35° | 2010.4 | 2018.4 | 2026.3 | 2079.4 | 2147.5 | 2172.5 | 2154.4 | 2135.3 | 2113.8 | 2092.2 | 2113.8 |
| 37.5° | 1910.3 | 1926.7 | 1943.0 | 1986.3 | 2038.5 | 2038.0 | 1984.9 | 1938.9 | 1914.1 | 1889.4 | 1914.1 |
| 40° | 1836.7 | 1864.0 | 1891.2 | 1920.2 | 1949.7 | 1924.7 | 1845.2 | 1778.5 | 1750.2 | 1721.8 | 1750.2 |
| 42.5° | 1746.8 | 1790.4 | 1834.0 | 1840.5 | 1834.6 | 1781.0 | 1679.7 | 1595.1 | 1560.3 | 1525.6 | 1560.3 |
| 45° | 1604.3 | 1663.3 | 1722.3 | 1688.6 | 1623.9 | 1536.4 | 1426.3 | 1334.1 | 1295.4 | 1256.8 | 1295.4 |
| 47.5° | 1436.2 | 1496.8 | 1557.4 | 1493.7 | 1388.6 | 1286.9 | 1188.6 | 1105.8 | 1069.7 | 1033.6 | 1069.7 |
| 50° | 1325.8 | 1374.6 | 1423.5 | 1351.4 | 1239.0 | 1136.8 | 1044.8 | 965.9 | 926.2 | 886.4 | 926.2 |
| 52.5° | 1213.4 | 1248.6 | 1283.8 | 1212.4 | 1105.4 | 1006.0 | 914.0 | 836.0 | 799.9 | 763.8 | 799.9 |
| 55° | 1039.7 | 1057.9 | 1076.0 | 1009.9 | 915.7 | 824.8 | 737.4 | 665.6 | 640.6 | 615.7 | 640.6 |
| 57.5° | 880.3 | 891.9 | 903.5 | 840.8 | 753.4 | 672.5 | 598.3 | 538.0 | 519.6 | 501.2 | 519.6 |
| 60° | 784.3 | 792.2 | 800.1 | 736.6 | 649.1 | 576.5 | 518.6 | 471.5 | 456.7 | 441.9 | 456.7 |
| 62.5° | 696.4 | 702.5 | 708.6 | 647.3 | 563.5 | 498.6 | 452.5 | 415.1 | 404.0 | 392.9 | 404.0 |
| 65° | 572.2 | 577.9 | 583.6 | 531.3 | 459.8 | 406.5 | 371.3 | 342.9 | 334.9 | 327.0 | 334.9 |
| 67.5° | 473.6 | 476.6 | 479.5 | 436.5 | 378.1 | 335.1 | 307.4 | 284.7 | 277.3 | 269.8 | 277.3 |
| 70° | 416.4 | 417.5 | 418.7 | 380.6 | 329.5 | 291.5 | 266.5 | 246.4 | 240.7 | 235.0 | 240.7 |
| 72.5° | 365.3 | 363.7 | 362.1 | 328.2 | 283.4 | 250.9 | 230.4 | 214.1 | 210.3 | 206.4 | 210.3 |
| 75° | 288.7 | 285.3 | 281.9 | 253.8 | 217.4 | 192.4 | 178.8 | 168.0 | 165.8 | 163.5 | 165.8 |
| 77.5° | 215.6 | 212.0 | 208.3 | 185.0 | 155.0 | 137.7 | 133.2 | 129.8 | 129.8 | 129.8 | 129.8 |
| 80° | 168.6 | 164.1 | 159.5 | 141.4 | 118.6 | 107.3 | 107.3 | 107.3 | 107.3 | 107.3 | 107.3 |
| 82.5° | 125.7 | 119.3 | 113.0 | 101.8 | 89.1 | 82.8 | 82.8 | 82.5 | 81.6 | 80.7 | 81.6 |
| 85° | 61.3 | 55.6 | 50.0 | 48.5 | 48.5 | 45.1 | 38.3 | 32.4 | 29.0 | 25.5 | 29.0 |
| 87.5° | 16.8 | 17.3 | 18.0 | 15.2 | 11.0 | 8.9 | 8.9 | 9.1 | 9.2 | 9.2 | 9.2 |
| 90° | 2.1 | 4.9 | 8.3 | 11.1 | 13.2 | 13.9 | 13.9 | 14.6 | 15.3 | 15.3 | 15.3 |
| 92.5° | 7.7 | 12.1 | 12.2 | 12.2 | 14.9 | 16.1 | 17.2 | 17.4 | 18.1 | 18.1 | 18.1 |
| 95° | 21.6 | 23.6 | 35.5 | 34.8 | 23.6 | 18.8 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 |
| 97.5° | 41.2 | 44.2 | 46.2 | 61.9 | 65.4 | 63.2 | 51.5 | 43.3 | 38.7 | 36.6 | 38.7 |
| 100° | 58.4 | 59.8 | 64.0 | 64.7 | 82.1 | 98.8 | 90.4 | 80.0 | 76.5 | 74.4 | 76.5 |
| 102.5° | 75.7 | 76.5 | 82.9 | 85.8 | 89.9 | 99.3 | 128.3 | 125.1 | 122.7 | 122.3 | 122.7 |
| 105° | 101.5 | 102.2 | 114.1 | 119.6 | 122.4 | 122.4 | 121.7 | 135.6 | 157.9 | 162.7 | 157.9 |
| 107.5° | 129.2 | 132.4 | 146.3 | 161.2 | 164.4 | 165.3 | 161.6 | 159.5 | 158.7 | 159.3 | 158.7 |
| 110° | 148.1 | 153.0 | 169.7 | 188.5 | 193.4 | 194.7 | 193.4 | 191.3 | 189.9 | 189.9 | 189.9 |



TEST NUMBER: P1428226

CATALOG NUMBER: SQ2W-PR1-K-050U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 166.5 | 173.6 | 192.5 | 214.1 | 222.3 | 226.5 | 223.4 | 221.9 | 220.5 | 221.6 | 220.5 |
| 115° | 194.7 | 205.2 | 230.2 | 252.5 | 269.2 | 271.2 | 270.6 | 270.6 | 269.9 | 269.9 | 269.9 |
| 117.5° | 220.9 | 237.6 | 265.7 | 291.6 | 310.9 | 316.5 | 319.2 | 318.4 | 317.6 | 319.0 | 317.6 |
| 120° | 239.3 | 258.7 | 290.7 | 319.9 | 338.7 | 347.1 | 349.8 | 348.4 | 349.8 | 348.4 | 349.8 |
| 122.5° | 258.7 | 282.7 | 314.1 | 344.4 | 366.5 | 376.0 | 379.3 | 379.6 | 379.9 | 379.1 | 379.9 |
| 125° | 287.9 | 317.2 | 354.0 | 385.3 | 408.3 | 419.4 | 422.2 | 422.9 | 424.3 | 427.7 | 424.3 |
| 127.5° | 317.4 | 350.5 | 391.0 | 421.2 | 444.7 | 458.2 | 462.5 | 464.0 | 467.0 | 468.5 | 467.0 |
| 130° | 338.0 | 375.6 | 416.6 | 445.1 | 468.1 | 482.7 | 490.3 | 492.4 | 495.9 | 495.2 | 495.9 |
| 132.5° | 359.7 | 398.9 | 440.5 | 470.2 | 491.4 | 507.2 | 513.7 | 519.7 | 520.9 | 521.9 | 520.9 |
| 135° | 391.6 | 434.0 | 475.7 | 504.9 | 525.1 | 540.4 | 548.8 | 554.3 | 557.8 | 559.9 | 557.8 |
| 137.5° | 425.1 | 469.9 | 509.9 | 536.0 | 556.3 | 569.5 | 578.9 | 584.8 | 588.4 | 590.1 | 588.4 |
| 140° | 447.9 | 491.0 | 530.0 | 557.1 | 575.2 | 588.4 | 596.7 | 603.7 | 607.9 | 607.9 | 607.9 |
| 142.5° | 469.6 | 512.2 | 550.0 | 577.1 | 593.0 | 605.1 | 614.0 | 619.3 | 624.0 | 624.0 | 624.0 |
| 145° | 500.1 | 542.5 | 577.3 | 604.4 | 617.6 | 628.7 | 638.5 | 642.6 | 645.4 | 645.4 | 645.4 |
| 147.5° | 531.9 | 569.5 | 601.2 | 627.2 | 638.3 | 651.4 | 659.1 | 662.4 | 665.9 | 664.3 | 665.9 |
| 150° | 550.8 | 585.6 | 616.2 | 640.6 | 651.7 | 664.2 | 671.9 | 674.6 | 678.1 | 676.0 | 678.1 |
| 152.5° | 569.2 | 602.3 | 630.1 | 652.8 | 662.3 | 674.8 | 683.5 | 686.3 | 688.7 | 687.2 | 688.7 |
| 155° | 594.0 | 623.2 | 648.9 | 669.8 | 678.1 | 689.9 | 698.3 | 701.8 | 704.5 | 701.1 | 704.5 |
| 157.5° | 616.1 | 641.3 | 663.7 | 682.8 | 691.8 | 701.9 | 709.7 | 714.0 | 716.8 | 715.3 | 716.8 |
| 160° | 629.4 | 652.4 | 672.6 | 690.6 | 699.0 | 708.0 | 716.4 | 721.2 | 724.0 | 721.9 | 724.0 |
| 162.5° | 640.6 | 661.3 | 680.3 | 696.8 | 704.0 | 711.9 | 721.9 | 726.2 | 729.0 | 726.4 | 729.0 |
| 165° | 656.6 | 673.3 | 689.9 | 703.9 | 710.1 | 716.4 | 726.8 | 731.7 | 733.8 | 731.0 | 733.8 |
| 167.5° | 668.7 | 681.5 | 695.0 | 706.9 | 711.5 | 717.6 | 728.1 | 732.1 | 734.7 | 731.3 | 734.7 |
| 170° | 675.3 | 686.5 | 698.3 | 708.0 | 711.5 | 717.1 | 727.5 | 731.0 | 733.1 | 729.6 | 733.1 |
| 172.5° | 680.9 | 689.2 | 698.8 | 707.5 | 709.3 | 713.7 | 723.6 | 727.1 | 728.6 | 725.7 | 728.6 |
| 175° | 686.5 | 691.3 | 698.3 | 703.9 | 703.2 | 705.9 | 714.3 | 717.1 | 719.9 | 715.7 | 719.9 |
| 177.5° | 689.1 | 691.3 | 693.6 | 696.9 | 694.7 | 694.7 | 700.8 | 702.5 | 703.0 | 700.8 | 703.0 |
| 180° | 688.6 | 688.6 | 688.6 | 688.6 | 688.6 | 688.6 | 688.6 | 688.6 | 688.6 | 688.6 | 688.6 |



TEST NUMBER: P1428226

CATALOG NUMBER: SQ2W-PR1-K-050U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° | 190° | 200° | 210° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2506.0 | 2506.0 | 2506.0 | 2506.0 | 2506.0 | 2506.0 | 2506.0 | 2506.0 | 2506.0 | 2506.0 | 2506.0 |
| 2.5° | 2500.6 | 2499.2 | 2498.3 | 2504.2 | 2516.9 | 2523.1 | 2509.4 | 2495.8 | 2509.4 | 2523.1 | 2516.9 |
| 5° | 2516.5 | 2512.0 | 2509.7 | 2514.8 | 2527.3 | 2531.9 | 2512.6 | 2493.3 | 2512.6 | 2531.9 | 2527.3 |
| 7.5° | 2558.8 | 2550.1 | 2543.6 | 2543.4 | 2549.8 | 2547.7 | 2520.2 | 2492.7 | 2520.2 | 2547.7 | 2549.8 |
| 10° | 2561.1 | 2556.3 | 2555.1 | 2556.8 | 2561.4 | 2556.6 | 2523.6 | 2490.7 | 2523.6 | 2556.6 | 2561.4 |
| 12.5° | 2522.5 | 2521.5 | 2523.1 | 2533.0 | 2551.2 | 2555.2 | 2516.8 | 2478.4 | 2516.8 | 2555.2 | 2551.2 |
| 15° | 2464.0 | 2460.0 | 2456.6 | 2474.8 | 2514.5 | 2533.0 | 2487.6 | 2442.2 | 2487.6 | 2533.0 | 2514.5 |
| 17.5° | 2430.1 | 2418.2 | 2405.9 | 2418.7 | 2456.6 | 2473.2 | 2425.8 | 2378.3 | 2425.8 | 2473.2 | 2456.6 |
| 20° | 2413.8 | 2397.0 | 2381.1 | 2388.5 | 2419.2 | 2430.5 | 2384.0 | 2337.4 | 2384.0 | 2430.5 | 2419.2 |
| 22.5° | 2405.4 | 2382.0 | 2359.8 | 2361.3 | 2386.5 | 2393.7 | 2347.2 | 2300.6 | 2347.2 | 2393.7 | 2386.5 |
| 25° | 2403.6 | 2368.1 | 2330.6 | 2318.1 | 2330.6 | 2329.8 | 2288.9 | 2248.0 | 2288.9 | 2329.8 | 2330.6 |
| 27.5° | 2395.7 | 2352.6 | 2301.9 | 2270.0 | 2256.9 | 2241.0 | 2216.9 | 2192.8 | 2216.9 | 2241.0 | 2256.9 |
| 30° | 2359.9 | 2324.7 | 2280.4 | 2241.2 | 2207.1 | 2177.6 | 2161.7 | 2145.8 | 2161.7 | 2177.6 | 2207.1 |
| 32.5° | 2283.8 | 2268.8 | 2245.4 | 2207.6 | 2155.4 | 2113.8 | 2104.3 | 2094.7 | 2104.3 | 2113.8 | 2155.4 |
| 35° | 2135.3 | 2154.4 | 2172.5 | 2147.5 | 2079.4 | 2026.3 | 2018.4 | 2010.4 | 2018.4 | 2026.3 | 2079.4 |
| 37.5° | 1938.9 | 1984.9 | 2038.0 | 2038.5 | 1986.3 | 1943.0 | 1926.7 | 1910.3 | 1926.7 | 1943.0 | 1986.3 |
| 40° | 1778.5 | 1845.2 | 1924.7 | 1949.7 | 1920.2 | 1891.2 | 1864.0 | 1836.7 | 1864.0 | 1891.2 | 1920.2 |
| 42.5° | 1595.1 | 1679.7 | 1781.0 | 1834.6 | 1840.5 | 1834.0 | 1790.4 | 1746.8 | 1790.4 | 1834.0 | 1840.5 |
| 45° | 1334.1 | 1426.3 | 1536.4 | 1623.9 | 1688.6 | 1722.3 | 1663.3 | 1604.3 | 1663.3 | 1722.3 | 1688.6 |
| 47.5° | 1105.8 | 1188.6 | 1286.9 | 1388.6 | 1493.7 | 1557.4 | 1496.8 | 1436.2 | 1496.8 | 1557.4 | 1493.7 |
| 50° | 965.9 | 1044.8 | 1136.8 | 1239.0 | 1351.4 | 1423.5 | 1374.6 | 1325.8 | 1374.6 | 1423.5 | 1351.4 |
| 52.5° | 836.0 | 914.0 | 1006.0 | 1105.4 | 1212.4 | 1283.8 | 1248.6 | 1213.4 | 1248.6 | 1283.8 | 1212.4 |
| 55° | 665.6 | 737.4 | 824.8 | 915.7 | 1009.9 | 1076.0 | 1057.9 | 1039.7 | 1057.9 | 1076.0 | 1009.9 |
| 57.5° | 538.0 | 598.3 | 672.5 | 753.4 | 840.8 | 903.5 | 891.9 | 880.3 | 891.9 | 903.5 | 840.8 |
| 60° | 471.5 | 518.6 | 576.5 | 649.1 | 736.6 | 800.1 | 792.2 | 784.3 | 792.2 | 800.1 | 736.6 |
| 62.5° | 415.1 | 452.5 | 498.6 | 563.5 | 647.3 | 708.6 | 702.5 | 696.4 | 702.5 | 708.6 | 647.3 |
| 65° | 342.9 | 371.3 | 406.5 | 459.8 | 531.3 | 583.6 | 577.9 | 572.2 | 577.9 | 583.6 | 531.3 |
| 67.5° | 284.7 | 307.4 | 335.1 | 378.1 | 436.5 | 479.5 | 476.6 | 473.6 | 476.6 | 479.5 | 436.5 |
| 70° | 246.4 | 266.5 | 291.5 | 329.5 | 380.6 | 418.7 | 417.5 | 416.4 | 417.5 | 418.7 | 380.6 |
| 72.5° | 214.1 | 230.4 | 250.9 | 283.4 | 328.2 | 362.1 | 363.7 | 365.3 | 363.7 | 362.1 | 328.2 |
| 75° | 168.0 | 178.8 | 192.4 | 217.4 | 253.8 | 281.9 | 285.3 | 288.7 | 285.3 | 281.9 | 253.8 |
| 77.5° | 129.8 | 133.2 | 137.7 | 155.0 | 185.0 | 208.3 | 212.0 | 215.6 | 212.0 | 208.3 | 185.0 |
| 80° | 107.3 | 107.3 | 107.3 | 118.6 | 141.4 | 159.5 | 164.1 | 168.6 | 164.1 | 159.5 | 141.4 |
| 82.5° | 82.5 | 82.8 | 82.8 | 89.1 | 101.8 | 113.0 | 119.3 | 125.7 | 119.3 | 113.0 | 101.8 |
| 85° | 32.4 | 38.3 | 45.1 | 48.5 | 48.5 | 50.0 | 55.6 | 61.3 | 55.6 | 50.0 | 48.5 |
| 87.5° | 9.1 | 8.9 | 8.9 | 11.0 | 15.2 | 18.0 | 17.3 | 16.8 | 17.3 | 17.9 | 15.4 |
| 90° | 14.6 | 13.9 | 13.9 | 13.2 | 11.1 | 8.3 | 4.9 | 2.1 | 4.9 | 7.7 | 12.5 |
| 92.5° | 17.4 | 17.2 | 16.1 | 14.9 | 12.2 | 12.2 | 12.1 | 7.7 | 13.2 | 18.8 | 27.0 |
| 95° | 16.0 | 16.0 | 18.8 | 23.6 | 34.8 | 35.5 | 23.6 | 21.6 | 30.6 | 43.1 | 54.2 |
| 97.5° | 43.3 | 51.5 | 63.2 | 65.4 | 61.9 | 46.2 | 44.2 | 41.2 | 56.1 | 68.4 | 86.4 |
| 100° | 80.0 | 90.4 | 98.8 | 82.1 | 64.7 | 64.0 | 59.8 | 58.4 | 74.4 | 86.2 | 103.6 |
| 102.5° | 125.1 | 128.3 | 99.3 | 89.9 | 85.8 | 82.9 | 76.5 | 75.7 | 91.7 | 107.9 | 122.5 |
| 105° | 135.6 | 121.7 | 122.4 | 122.4 | 119.6 | 114.1 | 102.2 | 101.5 | 119.6 | 138.4 | 156.5 |
| 107.5° | 159.5 | 161.6 | 165.3 | 164.4 | 161.2 | 146.3 | 132.4 | 129.2 | 145.5 | 168.0 | 187.9 |
| 110° | 191.3 | 193.4 | 194.7 | 193.4 | 188.5 | 169.7 | 153.0 | 148.1 | 162.7 | 186.4 | 208.0 |



TEST NUMBER: P1428226

CATALOG NUMBER: SQ2W-PR1-K-050U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° | 190° | 200° | 210° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 221.9 | 223.4 | 226.5 | 222.3 | 214.1 | 192.5 | 173.6 | 166.5 | 181.1 | 205.3 | 227.4 |
| 115° | 270.6 | 270.6 | 271.2 | 269.2 | 252.5 | 230.2 | 205.2 | 194.7 | 207.3 | 229.5 | 253.9 |
| 117.5° | 318.4 | 319.2 | 316.5 | 310.9 | 291.6 | 265.7 | 237.6 | 220.9 | 230.8 | 254.3 | 279.3 |
| 120° | 348.4 | 349.8 | 347.1 | 338.7 | 319.9 | 290.7 | 258.7 | 239.3 | 246.9 | 269.9 | 294.9 |
| 122.5° | 379.6 | 379.3 | 376.0 | 366.5 | 344.4 | 314.1 | 282.7 | 258.7 | 261.9 | 283.2 | 307.7 |
| 125° | 422.9 | 422.2 | 419.4 | 408.3 | 385.3 | 354.0 | 317.2 | 287.9 | 283.8 | 301.9 | 326.9 |
| 127.5° | 464.0 | 462.5 | 458.2 | 444.7 | 421.2 | 391.0 | 350.5 | 317.4 | 308.1 | 319.5 | 342.5 |
| 130° | 492.4 | 490.3 | 482.7 | 468.1 | 445.1 | 416.6 | 375.6 | 338.0 | 324.8 | 331.8 | 351.9 |
| 132.5° | 519.7 | 513.7 | 507.2 | 491.4 | 470.2 | 440.5 | 398.9 | 359.7 | 341.5 | 344.6 | 360.3 |
| 135° | 554.3 | 548.8 | 540.4 | 525.1 | 504.9 | 475.7 | 434.0 | 391.6 | 366.5 | 363.8 | 372.8 |
| 137.5° | 584.8 | 578.9 | 569.5 | 556.3 | 536.0 | 509.9 | 469.9 | 425.1 | 393.5 | 384.2 | 387.7 |
| 140° | 603.7 | 596.7 | 588.4 | 575.2 | 557.1 | 530.0 | 491.0 | 447.9 | 412.4 | 399.2 | 397.1 |
| 142.5° | 619.3 | 614.0 | 605.1 | 593.0 | 577.1 | 550.0 | 512.2 | 469.6 | 431.9 | 414.8 | 409.9 |
| 145° | 642.6 | 638.5 | 628.7 | 617.6 | 604.4 | 577.3 | 542.5 | 500.1 | 462.5 | 440.3 | 429.8 |
| 147.5° | 662.4 | 659.1 | 651.4 | 638.3 | 627.2 | 601.2 | 569.5 | 531.9 | 493.4 | 465.9 | 452.4 |
| 150° | 674.6 | 671.9 | 664.2 | 651.7 | 640.6 | 616.2 | 585.6 | 550.8 | 514.0 | 484.8 | 467.4 |
| 152.5° | 686.3 | 683.5 | 674.8 | 662.3 | 652.8 | 630.1 | 602.3 | 569.2 | 531.8 | 502.6 | 484.6 |
| 155° | 701.8 | 698.3 | 689.9 | 678.1 | 669.8 | 648.9 | 623.2 | 594.0 | 562.0 | 531.4 | 511.2 |
| 157.5° | 714.0 | 709.7 | 701.9 | 691.8 | 682.8 | 663.7 | 641.3 | 616.1 | 588.1 | 558.9 | 538.3 |
| 160° | 721.2 | 716.4 | 708.0 | 699.0 | 690.6 | 672.6 | 652.4 | 629.4 | 603.7 | 577.3 | 555.0 |
| 162.5° | 726.2 | 721.9 | 711.9 | 704.0 | 696.8 | 680.3 | 661.3 | 640.6 | 617.6 | 594.5 | 573.9 |
| 165° | 731.7 | 726.8 | 716.4 | 710.1 | 703.9 | 689.9 | 673.3 | 656.6 | 637.1 | 618.3 | 601.6 |
| 167.5° | 732.1 | 728.1 | 717.6 | 711.5 | 706.9 | 695.0 | 681.5 | 668.7 | 653.5 | 638.8 | 624.8 |
| 170° | 731.0 | 727.5 | 717.1 | 711.5 | 708.0 | 698.3 | 686.5 | 675.3 | 663.5 | 651.0 | 639.9 |
| 172.5° | 727.1 | 723.6 | 713.7 | 709.3 | 707.5 | 698.8 | 689.2 | 680.9 | 670.7 | 661.6 | 652.7 |
| 175° | 717.1 | 714.3 | 705.9 | 703.2 | 703.9 | 698.3 | 691.3 | 686.5 | 680.2 | 674.6 | 669.8 |
| 177.5° | 702.5 | 700.8 | 694.7 | 694.7 | 696.9 | 693.6 | 691.3 | 689.1 | 686.3 | 684.7 | 683.0 |
| 180° | 688.6 | 688.6 | 688.6 | 688.6 | 688.6 | 688.6 | 688.6 | 688.6 | 688.6 | 688.6 | 688.6 |

TEST NUMBER: P1428226

CATALOG NUMBER: SQ2W-PR1-K-050U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 220° | 230° | 240° | 250° | 260° | 270° | 280° | 290° | 300° | 310° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2506.0 | 2506.0 | 2506.0 | 2506.0 | 2506.0 | 2506.0 | 2506.0 | 2506.0 | 2506.0 | 2506.0 | 2506.0 |
| 2.5° | 2504.2 | 2498.3 | 2499.2 | 2500.6 | 2503.3 | 2506.0 | 2503.3 | 2500.6 | 2499.2 | 2498.3 | 2504.2 |
| 5° | 2514.8 | 2509.7 | 2512.0 | 2516.5 | 2527.9 | 2539.2 | 2527.9 | 2516.5 | 2512.0 | 2509.7 | 2514.8 |
| 7.5° | 2543.4 | 2543.6 | 2550.1 | 2558.8 | 2573.8 | 2588.8 | 2573.8 | 2558.8 | 2550.1 | 2543.6 | 2543.4 |
| 10° | 2556.8 | 2555.1 | 2556.3 | 2561.1 | 2577.0 | 2592.9 | 2577.0 | 2561.1 | 2556.3 | 2555.1 | 2556.8 |
| 12.5° | 2533.0 | 2523.1 | 2521.5 | 2522.5 | 2531.1 | 2539.8 | 2531.1 | 2522.5 | 2521.5 | 2523.1 | 2533.0 |
| 15° | 2474.8 | 2456.6 | 2460.0 | 2464.0 | 2469.7 | 2475.4 | 2469.7 | 2464.0 | 2460.0 | 2456.6 | 2474.8 |
| 17.5° | 2418.7 | 2405.9 | 2418.2 | 2430.1 | 2441.3 | 2452.4 | 2441.3 | 2430.1 | 2418.2 | 2405.9 | 2418.7 |
| 20° | 2388.5 | 2381.1 | 2397.0 | 2413.8 | 2433.1 | 2452.4 | 2433.1 | 2413.8 | 2397.0 | 2381.1 | 2388.5 |
| 22.5° | 2361.3 | 2359.8 | 2382.0 | 2405.4 | 2431.9 | 2458.5 | 2431.9 | 2405.4 | 2382.0 | 2359.8 | 2361.3 |
| 25° | 2318.1 | 2330.6 | 2368.1 | 2403.6 | 2433.1 | 2462.6 | 2433.1 | 2403.6 | 2368.1 | 2330.6 | 2318.1 |
| 27.5° | 2270.0 | 2301.9 | 2352.6 | 2395.7 | 2416.4 | 2437.1 | 2416.4 | 2395.7 | 2352.6 | 2301.9 | 2270.0 |
| 30° | 2241.2 | 2280.4 | 2324.7 | 2359.9 | 2367.8 | 2375.7 | 2367.8 | 2359.9 | 2324.7 | 2280.4 | 2241.2 |
| 32.5° | 2207.6 | 2245.4 | 2268.8 | 2283.8 | 2273.6 | 2263.3 | 2273.6 | 2283.8 | 2268.8 | 2245.4 | 2207.6 |
| 35° | 2147.5 | 2172.5 | 2154.4 | 2135.3 | 2113.8 | 2092.2 | 2113.8 | 2135.3 | 2154.4 | 2172.5 | 2147.5 |
| 37.5° | 2038.5 | 2038.0 | 1984.9 | 1938.9 | 1914.1 | 1889.4 | 1914.1 | 1938.9 | 1984.9 | 2038.0 | 2038.5 |
| 40° | 1949.7 | 1924.7 | 1845.2 | 1778.5 | 1750.2 | 1721.8 | 1750.2 | 1778.5 | 1845.2 | 1924.7 | 1949.7 |
| 42.5° | 1834.6 | 1781.0 | 1679.7 | 1595.1 | 1560.3 | 1525.6 | 1560.3 | 1595.1 | 1679.7 | 1781.0 | 1834.6 |
| 45° | 1623.9 | 1536.4 | 1426.3 | 1334.1 | 1295.4 | 1256.8 | 1295.4 | 1334.1 | 1426.3 | 1536.4 | 1623.9 |
| 47.5° | 1388.6 | 1286.9 | 1188.6 | 1105.8 | 1069.7 | 1033.6 | 1069.7 | 1105.8 | 1188.6 | 1286.9 | 1388.6 |
| 50° | 1239.0 | 1136.8 | 1044.8 | 965.9 | 926.2 | 886.4 | 926.2 | 965.9 | 1044.8 | 1136.8 | 1239.0 |
| 52.5° | 1105.4 | 1006.0 | 914.0 | 836.0 | 799.9 | 763.8 | 799.9 | 836.0 | 914.0 | 1006.0 | 1105.4 |
| 55° | 915.7 | 824.8 | 737.4 | 665.6 | 640.6 | 615.7 | 640.6 | 665.6 | 737.4 | 824.8 | 915.7 |
| 57.5° | 753.4 | 672.5 | 598.3 | 538.0 | 519.6 | 501.2 | 519.6 | 538.0 | 598.3 | 672.5 | 753.4 |
| 60° | 649.1 | 576.5 | 518.6 | 471.5 | 456.7 | 441.9 | 456.7 | 471.5 | 518.6 | 576.5 | 649.1 |
| 62.5° | 563.5 | 498.6 | 452.5 | 415.1 | 404.0 | 392.9 | 404.0 | 415.1 | 452.5 | 498.6 | 563.5 |
| 65° | 459.8 | 406.5 | 371.3 | 342.9 | 334.9 | 327.0 | 334.9 | 342.9 | 371.3 | 406.5 | 459.8 |
| 67.5° | 378.1 | 335.1 | 307.4 | 284.7 | 277.3 | 269.8 | 277.3 | 284.7 | 307.4 | 335.1 | 378.1 |
| 70° | 329.5 | 291.5 | 266.5 | 246.4 | 240.7 | 235.0 | 240.7 | 246.4 | 266.5 | 291.5 | 329.5 |
| 72.5° | 283.4 | 250.9 | 230.4 | 214.1 | 210.3 | 206.4 | 210.3 | 214.1 | 230.4 | 250.9 | 283.4 |
| 75° | 217.4 | 192.4 | 178.8 | 168.0 | 165.8 | 163.5 | 165.8 | 168.0 | 178.8 | 192.4 | 217.4 |
| 77.5° | 155.0 | 137.7 | 133.2 | 129.8 | 129.8 | 129.8 | 129.8 | 129.8 | 133.2 | 137.7 | 155.0 |
| 80° | 118.6 | 107.3 | 107.3 | 107.3 | 107.3 | 107.3 | 107.3 | 107.3 | 107.3 | 107.3 | 118.6 |
| 82.5° | 89.1 | 82.8 | 82.8 | 82.5 | 81.6 | 80.7 | 81.6 | 82.5 | 82.8 | 82.8 | 89.1 |
| 85° | 48.5 | 45.1 | 38.3 | 32.4 | 29.0 | 25.5 | 29.0 | 32.4 | 38.3 | 45.1 | 48.5 |
| 87.5° | 11.6 | 10.3 | 11.3 | 11.8 | 12.4 | 12.1 | 12.4 | 11.8 | 11.3 | 10.3 | 11.6 |
| 90° | 16.0 | 20.9 | 25.7 | 28.5 | 31.3 | 29.9 | 31.3 | 28.5 | 25.7 | 20.9 | 16.0 |
| 92.5° | 32.1 | 40.3 | 46.3 | 51.3 | 53.6 | 53.3 | 53.6 | 51.3 | 46.3 | 40.3 | 32.1 |
| 95° | 64.7 | 74.4 | 84.2 | 91.1 | 95.3 | 93.9 | 95.3 | 91.1 | 84.2 | 74.4 | 64.7 |
| 97.5° | 99.7 | 112.8 | 123.7 | 130.2 | 134.4 | 137.2 | 134.4 | 130.2 | 123.7 | 112.8 | 99.7 |
| 100° | 123.1 | 135.6 | 148.1 | 155.8 | 162.7 | 165.5 | 162.7 | 155.8 | 148.1 | 135.6 | 123.1 |
| 102.5° | 142.0 | 158.4 | 172.1 | 180.3 | 186.1 | 188.9 | 186.1 | 180.3 | 172.1 | 158.4 | 142.0 |
| 105° | 173.2 | 190.6 | 205.2 | 215.6 | 221.9 | 224.0 | 221.9 | 215.6 | 205.2 | 190.6 | 173.2 |
| 107.5° | 204.3 | 222.3 | 235.8 | 247.3 | 255.0 | 259.4 | 255.0 | 247.3 | 235.8 | 222.3 | 204.3 |
| 110° | 228.8 | 243.4 | 258.0 | 268.5 | 276.1 | 278.9 | 276.1 | 268.5 | 258.0 | 243.4 | 228.8 |



TEST NUMBER: P1428226

CATALOG NUMBER: SQ2W-PR1-K-050U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 220° | 230° | 240° | 250° | 260° | 270° | 280° | 290° | 300° | 310° | 320° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 249.4 | 265.7 | 280.3 | 290.7 | 299.5 | 303.4 | 299.5 | 290.7 | 280.3 | 265.7 | 249.4 |
| 115° | 278.2 | 299.8 | 313.0 | 322.7 | 329.0 | 332.5 | 329.0 | 322.7 | 313.0 | 299.8 | 278.2 |
| 117.5° | 302.1 | 324.7 | 339.1 | 346.6 | 349.6 | 352.1 | 349.6 | 346.6 | 339.1 | 324.7 | 302.1 |
| 120° | 317.2 | 338.0 | 354.7 | 364.4 | 367.9 | 369.3 | 367.9 | 364.4 | 354.7 | 338.0 | 317.2 |
| 122.5° | 331.1 | 350.8 | 366.9 | 378.9 | 384.6 | 386.0 | 384.6 | 378.9 | 366.9 | 350.8 | 331.1 |
| 125° | 350.5 | 369.3 | 386.0 | 397.8 | 404.1 | 407.6 | 404.1 | 397.8 | 386.0 | 369.3 | 350.5 |
| 127.5° | 367.5 | 387.8 | 403.1 | 413.8 | 419.9 | 422.7 | 419.9 | 413.8 | 403.1 | 387.8 | 367.5 |
| 130° | 377.0 | 397.8 | 413.1 | 425.0 | 430.5 | 433.3 | 430.5 | 425.0 | 413.1 | 397.8 | 377.0 |
| 132.5° | 384.2 | 406.2 | 422.0 | 432.7 | 438.9 | 441.6 | 438.9 | 432.7 | 422.0 | 406.2 | 384.2 |
| 135° | 393.0 | 415.9 | 432.6 | 443.0 | 448.6 | 451.4 | 448.6 | 443.0 | 432.6 | 415.9 | 393.0 |
| 137.5° | 400.6 | 421.5 | 438.9 | 449.9 | 454.9 | 456.7 | 454.9 | 449.9 | 438.9 | 421.5 | 400.6 |
| 140° | 406.2 | 424.3 | 441.6 | 452.1 | 457.6 | 458.3 | 457.6 | 452.1 | 441.6 | 424.3 | 406.2 |
| 142.5° | 413.4 | 427.6 | 442.8 | 453.2 | 458.8 | 460.0 | 458.8 | 453.2 | 442.8 | 427.6 | 413.4 |
| 145° | 426.3 | 434.7 | 445.1 | 454.9 | 459.7 | 461.1 | 459.7 | 454.9 | 445.1 | 434.7 | 426.3 |
| 147.5° | 442.6 | 445.3 | 450.7 | 457.1 | 461.8 | 462.8 | 461.8 | 457.1 | 445.3 | 442.6 | 442.6 |
| 150° | 454.9 | 454.2 | 456.3 | 460.4 | 464.6 | 463.9 | 464.6 | 460.4 | 456.3 | 454.2 | 454.9 |
| 152.5° | 468.8 | 464.7 | 464.6 | 466.5 | 468.5 | 468.4 | 468.5 | 466.5 | 464.6 | 464.7 | 468.8 |
| 155° | 492.4 | 484.8 | 480.6 | 479.2 | 479.2 | 478.5 | 479.2 | 479.2 | 480.6 | 484.8 | 492.4 |
| 157.5° | 518.4 | 507.7 | 501.5 | 498.1 | 497.1 | 495.6 | 497.1 | 498.1 | 501.5 | 507.7 | 518.4 |
| 160° | 536.2 | 524.4 | 518.2 | 512.6 | 510.5 | 508.4 | 510.5 | 512.6 | 518.2 | 524.4 | 536.2 |
| 162.5° | 552.9 | 541.7 | 534.8 | 529.8 | 527.8 | 524.6 | 527.8 | 529.8 | 534.8 | 541.7 | 552.9 |
| 165° | 580.1 | 568.2 | 560.6 | 556.4 | 553.6 | 550.8 | 553.6 | 556.4 | 560.6 | 568.2 | 580.1 |
| 167.5° | 607.2 | 594.2 | 589.2 | 584.5 | 581.9 | 576.9 | 581.9 | 584.5 | 589.2 | 594.2 | 607.2 |
| 170° | 623.9 | 612.0 | 609.3 | 605.1 | 600.2 | 594.7 | 600.2 | 605.1 | 609.3 | 612.0 | 623.9 |
| 172.5° | 638.3 | 630.4 | 627.6 | 623.5 | 621.9 | 617.5 | 621.9 | 623.5 | 627.6 | 630.4 | 638.3 |
| 175° | 659.3 | 653.1 | 653.1 | 652.4 | 650.3 | 646.1 | 650.3 | 652.4 | 653.1 | 653.1 | 659.3 |
| 177.5° | 676.9 | 673.5 | 675.8 | 675.8 | 675.2 | 671.3 | 675.2 | 675.8 | 675.8 | 673.5 | 676.9 |
| 180° | 688.6 | 688.6 | 688.6 | 688.6 | 688.6 | 688.6 | 688.6 | 688.6 | 688.6 | 688.6 | 688.6 |



TEST NUMBER: P1428226

CATALOG NUMBER: SQ2W-PR1-K-050U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 330° | 340° | 350° | 360° |
|--------|--------|--------|--------|--------|
| 0° | 2506.0 | 2506.0 | 2506.0 | 2506.0 |
| 2.5° | 2516.9 | 2523.1 | 2509.4 | 2495.8 |
| 5° | 2527.3 | 2531.9 | 2512.6 | 2493.3 |
| 7.5° | 2549.8 | 2547.7 | 2520.2 | 2492.7 |
| 10° | 2561.4 | 2556.6 | 2523.6 | 2490.7 |
| 12.5° | 2551.2 | 2555.2 | 2516.8 | 2478.4 |
| 15° | 2514.5 | 2533.0 | 2487.6 | 2442.2 |
| 17.5° | 2456.6 | 2473.2 | 2425.8 | 2378.3 |
| 20° | 2419.2 | 2430.5 | 2384.0 | 2337.4 |
| 22.5° | 2386.5 | 2393.7 | 2347.2 | 2300.6 |
| 25° | 2330.6 | 2329.8 | 2288.9 | 2248.0 |
| 27.5° | 2256.9 | 2241.0 | 2216.9 | 2192.8 |
| 30° | 2207.1 | 2177.6 | 2161.7 | 2145.8 |
| 32.5° | 2155.4 | 2113.8 | 2104.3 | 2094.7 |
| 35° | 2079.4 | 2026.3 | 2018.4 | 2010.4 |
| 37.5° | 1986.3 | 1943.0 | 1926.7 | 1910.3 |
| 40° | 1920.2 | 1891.2 | 1864.0 | 1836.7 |
| 42.5° | 1840.5 | 1834.0 | 1790.4 | 1746.8 |
| 45° | 1688.6 | 1722.3 | 1663.3 | 1604.3 |
| 47.5° | 1493.7 | 1557.4 | 1496.8 | 1436.2 |
| 50° | 1351.4 | 1423.5 | 1374.6 | 1325.8 |
| 52.5° | 1212.4 | 1283.8 | 1248.6 | 1213.4 |
| 55° | 1009.9 | 1076.0 | 1057.9 | 1039.7 |
| 57.5° | 840.8 | 903.5 | 891.9 | 880.3 |
| 60° | 736.6 | 800.1 | 792.2 | 784.3 |
| 62.5° | 647.3 | 708.6 | 702.5 | 696.4 |
| 65° | 531.3 | 583.6 | 577.9 | 572.2 |
| 67.5° | 436.5 | 479.5 | 476.6 | 473.6 |
| 70° | 380.6 | 418.7 | 417.5 | 416.4 |
| 72.5° | 328.2 | 362.1 | 363.7 | 365.3 |
| 75° | 253.8 | 281.9 | 285.3 | 288.7 |
| 77.5° | 185.0 | 208.3 | 212.0 | 215.6 |
| 80° | 141.4 | 159.5 | 164.1 | 168.6 |
| 82.5° | 101.8 | 113.0 | 119.3 | 125.7 |
| 85° | 48.5 | 50.0 | 55.6 | 61.3 |
| 87.5° | 15.4 | 17.9 | 17.3 | 16.8 |
| 90° | 12.5 | 7.7 | 4.9 | 2.1 |
| 92.5° | 27.0 | 18.8 | 13.2 | 7.7 |
| 95° | 54.2 | 43.1 | 30.6 | 21.6 |
| 97.5° | 86.4 | 68.4 | 56.1 | 41.2 |
| 100° | 103.6 | 86.2 | 74.4 | 58.4 |
| 102.5° | 122.5 | 107.9 | 91.7 | 75.7 |
| 105° | 156.5 | 138.4 | 119.6 | 101.5 |
| 107.5° | 187.9 | 168.0 | 145.5 | 129.2 |
| 110° | 208.0 | 186.4 | 162.7 | 148.1 |



TEST NUMBER: P1428226

CATALOG NUMBER: SQ2W-PR1-K-050U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 330° | 340° | 350° | 360° |
|--------|-------|-------|-------|-------|
| 112.5° | 227.4 | 205.3 | 181.1 | 166.5 |
| 115° | 253.9 | 229.5 | 207.3 | 194.7 |
| 117.5° | 279.3 | 254.3 | 230.8 | 220.9 |
| 120° | 294.9 | 269.9 | 246.9 | 239.3 |
| 122.5° | 307.7 | 283.2 | 261.9 | 258.7 |
| 125° | 326.9 | 301.9 | 283.8 | 287.9 |
| 127.5° | 342.5 | 319.5 | 308.1 | 317.4 |
| 130° | 351.9 | 331.8 | 324.8 | 338.0 |
| 132.5° | 360.3 | 344.6 | 341.5 | 359.7 |
| 135° | 372.8 | 363.8 | 366.5 | 391.6 |
| 137.5° | 387.7 | 384.2 | 393.5 | 425.1 |
| 140° | 397.1 | 399.2 | 412.4 | 447.9 |
| 142.5° | 409.9 | 414.8 | 431.9 | 469.6 |
| 145° | 429.8 | 440.3 | 462.5 | 500.1 |
| 147.5° | 452.4 | 465.9 | 493.4 | 531.9 |
| 150° | 467.4 | 484.8 | 514.0 | 550.8 |
| 152.5° | 484.6 | 502.6 | 531.8 | 569.2 |
| 155° | 511.2 | 531.4 | 562.0 | 594.0 |
| 157.5° | 538.3 | 558.9 | 588.1 | 616.1 |
| 160° | 555.0 | 577.3 | 603.7 | 629.4 |
| 162.5° | 573.9 | 594.5 | 617.6 | 640.6 |
| 165° | 601.6 | 618.3 | 637.1 | 656.6 |
| 167.5° | 624.8 | 638.8 | 653.5 | 668.7 |
| 170° | 639.9 | 651.0 | 663.5 | 675.3 |
| 172.5° | 652.7 | 661.6 | 670.7 | 680.9 |
| 175° | 669.8 | 674.6 | 680.2 | 686.5 |
| 177.5° | 683.0 | 684.7 | 686.3 | 689.1 |
| 180° | 688.6 | 688.6 | 688.6 | 688.6 |



TEST NUMBER: P1428226
 CATALOG NUMBER: SQ2W-PR1-K-050U-125D-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 | 21.61 | 22.69 | 22.33 | 23.42 | 24.28 | 17.98 | 19.05 | 18.70 | 19.78 | 20.65 |
| | 3H | 22.84 | 23.79 | 23.57 | 24.53 | 25.43 | 19.16 | 20.12 | 19.89 | 20.86 | 21.76 |
| | 4H | 23.33 | 24.23 | 24.08 | 24.98 | 25.89 | 19.64 | 20.53 | 20.39 | 21.29 | 22.20 |
| | 6H | 23.64 | 24.47 | 24.40 | 25.23 | 26.15 | 19.99 | 20.82 | 20.75 | 21.58 | 22.50 |
| | 8H | 23.75 | 24.54 | 24.52 | 25.32 | 26.24 | 20.13 | 20.92 | 20.90 | 21.70 | 22.62 |
| | 12H | 23.80 | 24.55 | 24.57 | 25.32 | 26.27 | 20.17 | 20.92 | 20.95 | 21.69 | 22.64 |
| 4H | 2H | 21.74 | 22.64 | 22.50 | 23.39 | 24.31 | 18.72 | 19.62 | 19.47 | 20.37 | 21.28 |
| | 3H | 23.22 | 23.97 | 23.99 | 24.75 | 25.68 | 20.10 | 20.84 | 20.86 | 21.63 | 22.55 |
| | 4H | 23.86 | 24.53 | 24.64 | 25.32 | 26.28 | 20.65 | 21.32 | 21.43 | 22.11 | 23.07 |
| | 6H | 24.30 | 24.88 | 25.10 | 25.70 | 26.66 | 21.09 | 21.67 | 21.89 | 22.49 | 23.45 |
| | 8H | 24.47 | 25.01 | 25.27 | 25.81 | 26.79 | 21.28 | 21.82 | 22.08 | 22.63 | 23.61 |
| | 12H | 24.54 | 25.03 | 25.36 | 25.86 | 26.84 | 21.34 | 21.82 | 22.16 | 22.65 | 23.63 |
| 8H | 4H | 23.90 | 24.44 | 24.70 | 25.25 | 26.23 | 20.99 | 21.53 | 21.79 | 22.34 | 23.32 |
| | 6H | 24.44 | 24.89 | 25.27 | 25.74 | 26.72 | 21.54 | 21.99 | 22.37 | 22.84 | 23.81 |
| | 8H | 24.67 | 25.07 | 25.52 | 25.92 | 26.91 | 21.80 | 22.20 | 22.64 | 23.05 | 24.04 |
| | 12H | 24.80 | 25.15 | 25.64 | 25.99 | 27.04 | 21.90 | 22.25 | 22.74 | 23.09 | 24.14 |
| 12H | 4H | 23.87 | 24.35 | 24.69 | 25.18 | 26.17 | 21.02 | 21.51 | 21.84 | 22.34 | 23.32 |
| | 6H | 24.43 | 24.83 | 25.27 | 25.68 | 26.67 | 21.61 | 22.01 | 22.45 | 22.86 | 23.85 |
| | 8H | 24.69 | 25.04 | 25.53 | 25.88 | 26.93 | 21.91 | 22.26 | 22.75 | 23.10 | 24.15 |