

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: P1427878

Luminaire Tested: SQ2W-PH1-K-050U-075D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1427878
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-10)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PH1-K-050U-075D-L940-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE HEX LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 750 LUMENS PER FOOT
UPLIGHT 500 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

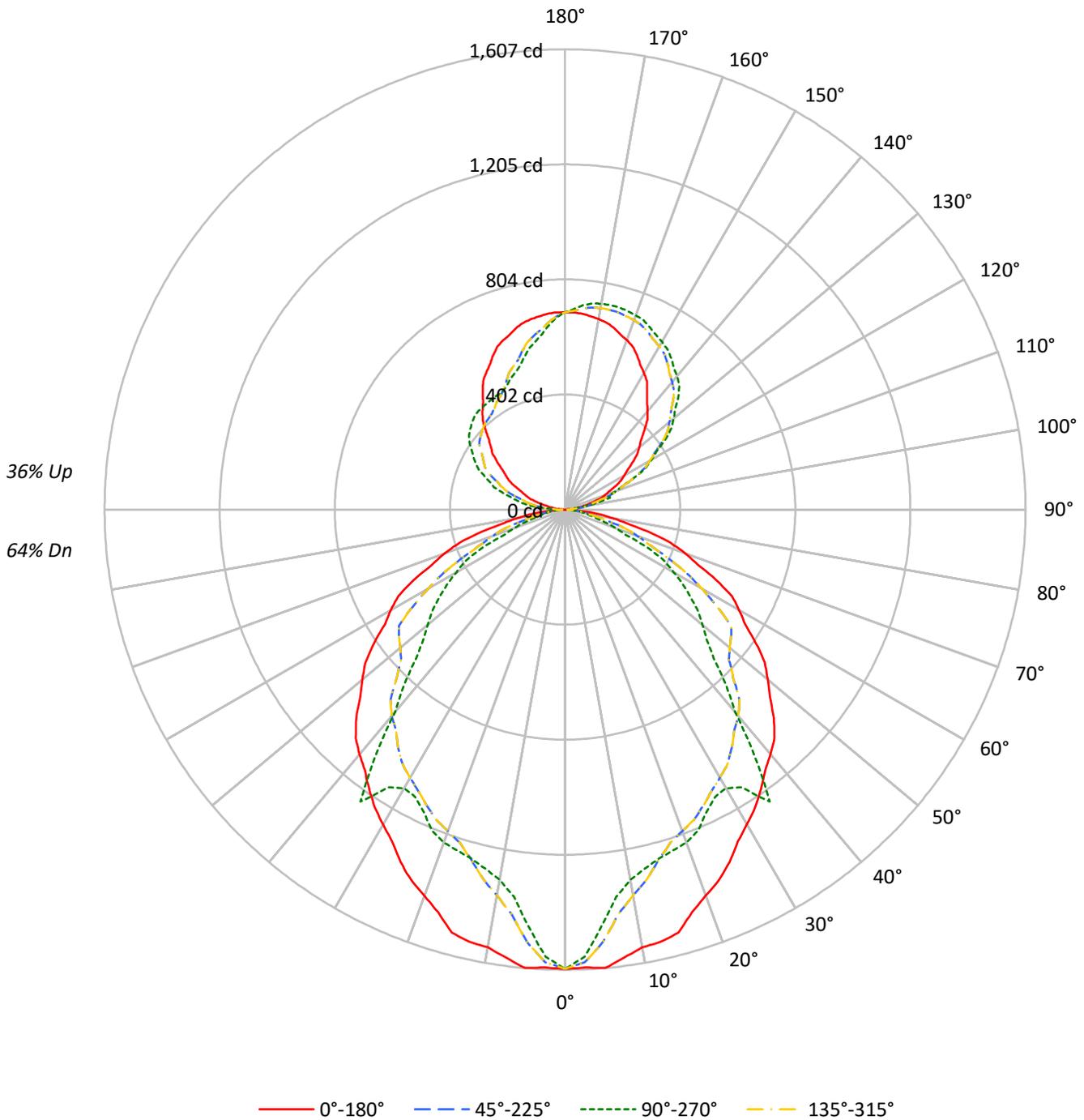
Lumens per Lamp: N/A
Luminaire Lumens: 5559.3 lumens
Efficiency: N/A
Efficacy: 133.6 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.02 / 1.23
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 41.6
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: P1427878

CATALOG NUMBER: SQ2W-PH1-K-050U-075D-L940-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P1427878

CATALOG NUMBER: SQ2W-PH1-K-050U-075D-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 | 50 | 30 | 10 | 0 | |
| RCR | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 110 | 110 | 110 | 110 | 104 | 104 | 104 | 104 | 91 | 91 | 91 | 79 | 79 | 79 | 69 | 69 | 69 | 64 | | | | |
| 1 | 101 | 97 | 93 | 90 | 95 | 91 | 88 | 85 | 80 | 78 | 75 | 70 | 69 | 67 | 61 | 60 | 59 | 54 | | | | |
| 2 | 92 | 85 | 79 | 73 | 86 | 80 | 74 | 70 | 71 | 66 | 63 | 62 | 59 | 56 | 54 | 52 | 50 | 46 | | | | |
| 3 | 84 | 75 | 67 | 61 | 79 | 70 | 64 | 59 | 62 | 57 | 53 | 55 | 51 | 48 | 48 | 45 | 43 | 39 | | | | |
| 4 | 77 | 66 | 58 | 52 | 72 | 63 | 55 | 50 | 56 | 50 | 45 | 49 | 45 | 41 | 43 | 40 | 37 | 34 | | | | |
| 5 | 71 | 59 | 51 | 45 | 66 | 56 | 48 | 43 | 50 | 44 | 39 | 44 | 39 | 36 | 39 | 35 | 32 | 29 | | | | |
| 6 | 65 | 53 | 45 | 39 | 61 | 50 | 43 | 37 | 45 | 39 | 34 | 40 | 35 | 31 | 35 | 31 | 28 | 26 | | | | |
| 7 | 61 | 48 | 40 | 34 | 57 | 46 | 38 | 33 | 41 | 35 | 30 | 36 | 31 | 28 | 32 | 28 | 25 | 23 | | | | |
| 8 | 56 | 44 | 36 | 30 | 53 | 42 | 34 | 29 | 37 | 31 | 27 | 33 | 28 | 25 | 30 | 26 | 23 | 20 | | | | |
| 9 | 53 | 40 | 32 | 27 | 49 | 38 | 31 | 26 | 34 | 28 | 24 | 31 | 26 | 22 | 27 | 23 | 20 | 18 | | | | |
| 10 | 49 | 37 | 29 | 25 | 46 | 35 | 28 | 24 | 32 | 26 | 22 | 28 | 24 | 20 | 25 | 21 | 19 | 17 | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|-------|-------|-------|
| 0° | 25893 | 25893 | 25893 | 25893 |
| 5° | 26042 | 23667 | 26042 | 23667 |
| 10° | 25443 | 21515 | 25443 | 21515 |
| 15° | 25557 | 21093 | 25557 | 21093 |
| 20° | 24645 | 21262 | 24645 | 21262 |
| 25° | 24194 | 20768 | 24194 | 20768 |
| 30° | 23670 | 20938 | 23670 | 20938 |
| 35° | 23488 | 24541 | 23488 | 24541 |
| 40° | 23509 | 19458 | 23509 | 19458 |
| 45° | 23518 | 16760 | 23518 | 16760 |
| 50° | 23189 | 15714 | 23189 | 15714 |
| 55° | 22894 | 15077 | 22894 | 15077 |
| 60° | 22665 | 14140 | 22665 | 14140 |
| 65° | 22269 | 12302 | 22269 | 12302 |
| 70° | 21035 | 8790 | 21035 | 8790 |
| 75° | 18752 | 6662 | 18752 | 6662 |
| 80° | 15323 | 6239 | 15323 | 6239 |
| 85° | 9614 | 4242 | 9614 | 4242 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 23518 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 141.1 | 2.5 |
| 10°-20° | 371.2 | 6.7 |
| 20°-30° | 544.2 | 9.8 |
| 30°-40° | 659.0 | 11.9 |
| 40°-50° | 648.0 | 11.7 |
| 50°-60° | 563.7 | 10.1 |
| 60°-70° | 392.0 | 7.1 |
| 70°-80° | 185.9 | 3.3 |
| 80°-90° | 43.8 | 0.8 |
| 90°-100° | 54.8 | 1.0 |
| 100°-110° | 159.8 | 2.9 |
| 110°-120° | 260.8 | 4.7 |
| 120°-130° | 330.9 | 6.0 |
| 130°-140° | 354.1 | 6.4 |
| 140°-150° | 330.7 | 5.9 |
| 150°-160° | 272.1 | 4.9 |
| 160°-170° | 182.5 | 3.3 |
| 170°-180° | 64.8 | 1.2 |
| 0°-30° | 1056.5 | 19.0 |
| 0°-40° | 1715.5 | 30.9 |
| 0°-60° | 2927.1 | 52.7 |
| 0°-90° | 3548.9 | 63.8 |
| 90°-120° | 475.4 | 8.6 |
| 90°-150° | 1491.1 | 26.8 |
| 90°-180° | 2010.0 | 36.2 |
| 0°-180° | 5559.3 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 1604 | 1604 | 1604 | 1604 | 1604 | |
| 5° | 1607 | 1460 | 1607 | 1460 | 1607 | 151 |
| 15° | 1529 | 1262 | 1529 | 1262 | 1529 | 426 |
| 25° | 1358 | 1166 | 1358 | 1166 | 1358 | 625 |
| 35° | 1192 | 1245 | 1192 | 1245 | 1192 | 746 |
| 45° | 1030 | 734 | 1030 | 734 | 1030 | 792 |
| 55° | 813 | 536 | 813 | 536 | 813 | 727 |
| 65° | 583 | 322 | 583 | 322 | 583 | 573 |
| 75° | 301 | 107 | 301 | 107 | 301 | 319 |
| 85° | 52 | 23 | 52 | 23 | 52 | 70 |
| 90° | 2 | 15 | 2 | 30 | 2 | 3 |
| 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: P1427878

CATALOG NUMBER: SQ2W-PH1-K-050U-075D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1603.7 | 1603.7 | 1603.7 | 1603.7 | 1603.7 | 1603.7 | 1603.7 | 1603.7 | 1603.7 | 1603.7 | 1603.7 |
| 2.5° | 1600.1 | 1607.7 | 1615.3 | 1604.5 | 1587.7 | 1576.1 | 1569.6 | 1564.4 | 1563.3 | 1562.2 | 1563.3 |
| 5° | 1606.8 | 1606.1 | 1605.4 | 1573.7 | 1531.7 | 1500.1 | 1479.1 | 1463.0 | 1461.7 | 1460.3 | 1461.7 |
| 7.5° | 1577.5 | 1556.5 | 1535.4 | 1492.9 | 1443.1 | 1406.6 | 1383.4 | 1365.7 | 1364.6 | 1363.6 | 1364.6 |
| 10° | 1551.9 | 1520.0 | 1488.1 | 1440.0 | 1386.4 | 1349.1 | 1328.1 | 1312.3 | 1312.3 | 1312.3 | 1312.3 |
| 12.5° | 1545.7 | 1495.4 | 1445.1 | 1392.3 | 1338.8 | 1304.2 | 1288.6 | 1277.7 | 1281.0 | 1284.2 | 1281.0 |
| 15° | 1529.0 | 1453.0 | 1377.1 | 1323.5 | 1277.4 | 1252.3 | 1248.2 | 1247.0 | 1254.5 | 1261.9 | 1254.5 |
| 17.5° | 1473.4 | 1391.6 | 1309.8 | 1262.7 | 1227.2 | 1213.8 | 1222.5 | 1231.1 | 1239.8 | 1248.5 | 1239.8 |
| 20° | 1434.4 | 1353.7 | 1273.0 | 1229.4 | 1198.2 | 1190.7 | 1207.0 | 1221.2 | 1229.4 | 1237.5 | 1229.4 |
| 22.5° | 1401.4 | 1319.6 | 1237.8 | 1199.3 | 1175.1 | 1172.0 | 1189.9 | 1204.4 | 1208.8 | 1213.1 | 1208.8 |
| 25° | 1358.1 | 1265.8 | 1173.6 | 1145.5 | 1138.7 | 1143.1 | 1158.7 | 1169.9 | 1167.8 | 1165.8 | 1167.8 |
| 27.5° | 1306.2 | 1209.9 | 1113.6 | 1095.5 | 1103.5 | 1112.3 | 1121.7 | 1129.2 | 1130.4 | 1131.6 | 1130.4 |
| 30° | 1269.6 | 1173.3 | 1077.0 | 1062.5 | 1075.4 | 1086.6 | 1096.1 | 1105.4 | 1114.3 | 1123.1 | 1114.3 |
| 32.5° | 1234.2 | 1134.6 | 1035.0 | 1024.7 | 1044.1 | 1065.1 | 1087.6 | 1109.5 | 1129.7 | 1149.9 | 1129.7 |
| 35° | 1191.7 | 1088.0 | 984.2 | 976.1 | 999.8 | 1030.3 | 1067.6 | 1112.2 | 1178.7 | 1245.1 | 1178.7 |
| 37.5° | 1147.2 | 1036.0 | 924.7 | 921.0 | 953.2 | 985.3 | 1017.5 | 1046.9 | 1068.0 | 1089.2 | 1068.0 |
| 40° | 1115.4 | 998.8 | 882.1 | 882.0 | 920.6 | 960.6 | 1002.0 | 1020.8 | 972.0 | 923.2 | 972.0 |
| 42.5° | 1081.3 | 964.6 | 848.0 | 844.5 | 878.9 | 922.9 | 976.8 | 996.6 | 914.1 | 831.6 | 914.1 |
| 45° | 1030.0 | 908.6 | 787.2 | 782.8 | 817.4 | 841.8 | 856.0 | 852.0 | 793.0 | 734.0 | 793.0 |
| 47.5° | 969.6 | 853.9 | 738.2 | 737.2 | 774.5 | 777.2 | 745.4 | 715.7 | 692.6 | 669.6 | 692.6 |
| 50° | 923.2 | 814.0 | 704.8 | 709.5 | 752.3 | 748.2 | 697.3 | 655.5 | 640.5 | 625.6 | 640.5 |
| 52.5° | 878.0 | 774.2 | 670.5 | 683.1 | 734.5 | 726.4 | 658.7 | 605.4 | 595.4 | 585.3 | 595.4 |
| 55° | 813.3 | 713.6 | 613.9 | 642.4 | 713.6 | 702.8 | 609.9 | 539.7 | 537.6 | 535.6 | 537.6 |
| 57.5° | 744.6 | 650.4 | 556.1 | 575.9 | 633.7 | 622.3 | 541.7 | 482.2 | 485.7 | 489.2 | 485.7 |
| 60° | 701.9 | 610.4 | 518.8 | 521.4 | 555.3 | 544.4 | 488.8 | 446.1 | 442.0 | 437.9 | 442.0 |
| 62.5° | 656.8 | 569.5 | 482.3 | 469.7 | 481.9 | 469.1 | 431.4 | 402.1 | 398.1 | 394.0 | 398.1 |
| 65° | 582.9 | 503.6 | 424.2 | 400.3 | 394.9 | 376.6 | 345.4 | 322.0 | 322.0 | 322.0 | 322.0 |
| 67.5° | 501.7 | 432.5 | 363.4 | 336.6 | 324.0 | 305.8 | 282.1 | 260.2 | 243.9 | 227.7 | 243.9 |
| 70° | 445.6 | 384.5 | 323.5 | 295.5 | 278.6 | 256.9 | 230.4 | 207.9 | 197.0 | 186.2 | 197.0 |
| 72.5° | 385.8 | 333.4 | 281.0 | 252.4 | 231.6 | 210.5 | 188.9 | 169.6 | 157.1 | 144.7 | 157.1 |
| 75° | 300.6 | 258.6 | 216.5 | 188.7 | 165.6 | 144.3 | 124.6 | 109.5 | 108.2 | 106.8 | 108.2 |
| 77.5° | 217.3 | 186.6 | 156.0 | 133.5 | 113.7 | 98.8 | 88.9 | 81.5 | 81.7 | 81.8 | 81.7 |
| 80° | 164.8 | 141.7 | 118.7 | 97.7 | 77.3 | 66.8 | 66.1 | 65.8 | 66.5 | 67.1 | 66.5 |
| 82.5° | 116.0 | 98.9 | 81.8 | 68.4 | 56.2 | 50.5 | 51.5 | 52.2 | 52.4 | 52.5 | 52.4 |
| 85° | 51.9 | 43.7 | 35.6 | 32.6 | 31.2 | 29.2 | 26.4 | 24.2 | 23.6 | 22.9 | 23.6 |
| 87.5° | 11.4 | 11.4 | 11.6 | 10.8 | 9.6 | 8.9 | 8.9 | 9.0 | 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: P1427878

CATALOG NUMBER: SQ2W-PH1-K-050U-075D-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: P1427878

CATALOG NUMBER: SQ2W-PH1-K-050U-075D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° | 190° | 200° | 210° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1603.7 | 1603.7 | 1603.7 | 1603.7 | 1603.7 | 1603.7 | 1603.7 | 1603.7 | 1603.7 | 1603.7 | 1603.7 |
| 2.5° | 1564.4 | 1569.6 | 1576.1 | 1587.7 | 1604.5 | 1615.3 | 1607.7 | 1600.1 | 1607.7 | 1615.3 | 1604.5 |
| 5° | 1463.0 | 1479.1 | 1500.1 | 1531.7 | 1573.7 | 1605.4 | 1606.1 | 1606.8 | 1606.1 | 1605.4 | 1573.7 |
| 7.5° | 1365.7 | 1383.4 | 1406.6 | 1443.1 | 1492.9 | 1535.4 | 1556.5 | 1577.5 | 1556.5 | 1535.4 | 1492.9 |
| 10° | 1312.3 | 1328.1 | 1349.1 | 1386.4 | 1440.0 | 1488.1 | 1520.0 | 1551.9 | 1520.0 | 1488.1 | 1440.0 |
| 12.5° | 1277.7 | 1288.6 | 1304.2 | 1338.8 | 1392.3 | 1445.1 | 1495.4 | 1545.7 | 1495.4 | 1445.1 | 1392.3 |
| 15° | 1247.0 | 1248.2 | 1252.3 | 1277.4 | 1323.5 | 1377.1 | 1453.0 | 1529.0 | 1453.0 | 1377.1 | 1323.5 |
| 17.5° | 1231.1 | 1222.5 | 1213.8 | 1227.2 | 1262.7 | 1309.8 | 1391.6 | 1473.4 | 1391.6 | 1309.8 | 1262.7 |
| 20° | 1221.2 | 1207.0 | 1190.7 | 1198.2 | 1229.4 | 1273.0 | 1353.7 | 1434.4 | 1353.7 | 1273.0 | 1229.4 |
| 22.5° | 1204.4 | 1189.9 | 1172.0 | 1175.1 | 1199.3 | 1237.8 | 1319.6 | 1401.4 | 1319.6 | 1237.8 | 1199.3 |
| 25° | 1169.9 | 1158.7 | 1143.1 | 1138.7 | 1145.5 | 1173.6 | 1265.8 | 1358.1 | 1265.8 | 1173.6 | 1145.5 |
| 27.5° | 1129.2 | 1121.7 | 1112.3 | 1103.5 | 1095.5 | 1113.6 | 1209.9 | 1306.2 | 1209.9 | 1113.6 | 1095.5 |
| 30° | 1105.4 | 1096.1 | 1086.6 | 1075.4 | 1062.5 | 1077.0 | 1173.3 | 1269.6 | 1173.3 | 1077.0 | 1062.5 |
| 32.5° | 1109.5 | 1087.6 | 1065.1 | 1044.1 | 1024.7 | 1035.0 | 1134.6 | 1234.2 | 1134.6 | 1035.0 | 1024.7 |
| 35° | 1112.2 | 1067.6 | 1030.3 | 999.8 | 976.1 | 984.2 | 1088.0 | 1191.7 | 1088.0 | 984.2 | 976.1 |
| 37.5° | 1046.9 | 1017.5 | 985.3 | 953.2 | 921.0 | 924.7 | 1036.0 | 1147.2 | 1036.0 | 924.7 | 921.0 |
| 40° | 1020.8 | 1002.0 | 960.6 | 920.6 | 882.0 | 882.1 | 998.8 | 1115.4 | 998.8 | 882.1 | 882.0 |
| 42.5° | 996.6 | 976.8 | 922.9 | 878.9 | 844.5 | 848.0 | 964.6 | 1081.3 | 964.6 | 848.0 | 844.5 |
| 45° | 852.0 | 856.0 | 841.8 | 817.4 | 782.8 | 787.2 | 908.6 | 1030.0 | 908.6 | 787.2 | 782.8 |
| 47.5° | 715.7 | 745.4 | 777.2 | 774.5 | 737.2 | 738.2 | 853.9 | 969.6 | 853.9 | 738.2 | 737.2 |
| 50° | 655.5 | 697.3 | 748.2 | 752.3 | 709.5 | 704.8 | 814.0 | 923.2 | 814.0 | 704.8 | 709.5 |
| 52.5° | 605.4 | 658.7 | 726.4 | 734.5 | 683.1 | 670.5 | 774.2 | 878.0 | 774.2 | 670.5 | 683.1 |
| 55° | 539.7 | 609.9 | 702.8 | 713.6 | 642.4 | 613.9 | 713.6 | 813.3 | 713.6 | 613.9 | 642.4 |
| 57.5° | 482.2 | 541.7 | 622.3 | 633.7 | 575.9 | 556.1 | 650.4 | 744.6 | 650.4 | 556.1 | 575.9 |
| 60° | 446.1 | 488.8 | 544.4 | 555.3 | 521.4 | 518.8 | 610.4 | 701.9 | 610.4 | 518.8 | 521.4 |
| 62.5° | 402.1 | 431.4 | 469.1 | 481.9 | 469.7 | 482.3 | 569.5 | 656.8 | 569.5 | 482.3 | 469.7 |
| 65° | 322.0 | 345.4 | 376.6 | 394.9 | 400.3 | 424.2 | 503.6 | 582.9 | 503.6 | 424.2 | 400.3 |
| 67.5° | 260.2 | 282.1 | 305.8 | 324.0 | 336.6 | 363.4 | 432.5 | 501.7 | 432.5 | 363.4 | 336.6 |
| 70° | 207.9 | 230.4 | 256.9 | 278.6 | 295.5 | 323.5 | 384.5 | 445.6 | 384.5 | 323.5 | 295.5 |
| 72.5° | 169.6 | 188.9 | 210.5 | 231.6 | 252.4 | 281.0 | 333.4 | 385.8 | 333.4 | 281.0 | 252.4 |
| 75° | 109.5 | 124.6 | 144.3 | 165.6 | 188.7 | 216.5 | 258.6 | 300.6 | 258.6 | 216.5 | 188.7 |
| 77.5° | 81.5 | 88.9 | 98.8 | 113.7 | 133.5 | 156.0 | 186.6 | 217.3 | 186.6 | 156.0 | 133.5 |
| 80° | 65.8 | 66.1 | 66.8 | 77.3 | 97.7 | 118.7 | 141.7 | 164.8 | 141.7 | 118.7 | 97.7 |
| 82.5° | 52.2 | 51.5 | 50.5 | 56.2 | 68.4 | 81.8 | 98.9 | 116.0 | 98.9 | 81.8 | 68.4 |
| 85° | 24.2 | 26.4 | 29.2 | 31.2 | 32.6 | 35.6 | 43.7 | 51.9 | 43.7 | 35.6 | 32.6 |
| 87.5° | 9.0 | 8.9 | 8.9 | 9.6 | 10.8 | 11.6 | 11.4 | 11.4 | 11.4 | 11.4 | 11.0 |
| 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: P1427878

CATALOG NUMBER: SQ2W-PH1-K-050U-075D-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: P1427878

CATALOG NUMBER: SQ2W-PH1-K-050U-075D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 220° | 230° | 240° | 250° | 260° | 270° | 280° | 290° | 300° | 310° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1603.7 | 1603.7 | 1603.7 | 1603.7 | 1603.7 | 1603.7 | 1603.7 | 1603.7 | 1603.7 | 1603.7 | 1603.7 |
| 2.5° | 1587.7 | 1576.1 | 1569.6 | 1564.4 | 1563.3 | 1562.2 | 1563.3 | 1564.4 | 1569.6 | 1576.1 | 1587.7 |
| 5° | 1531.7 | 1500.1 | 1479.1 | 1463.0 | 1461.7 | 1460.3 | 1461.7 | 1463.0 | 1479.1 | 1500.1 | 1531.7 |
| 7.5° | 1443.1 | 1406.6 | 1383.4 | 1365.7 | 1364.6 | 1363.6 | 1364.6 | 1365.7 | 1383.4 | 1406.6 | 1443.1 |
| 10° | 1386.4 | 1349.1 | 1328.1 | 1312.3 | 1312.3 | 1312.3 | 1312.3 | 1312.3 | 1328.1 | 1349.1 | 1386.4 |
| 12.5° | 1338.8 | 1304.2 | 1288.6 | 1277.7 | 1281.0 | 1284.2 | 1281.0 | 1277.7 | 1288.6 | 1304.2 | 1338.8 |
| 15° | 1277.4 | 1252.3 | 1248.2 | 1247.0 | 1254.5 | 1261.9 | 1254.5 | 1247.0 | 1248.2 | 1252.3 | 1277.4 |
| 17.5° | 1227.2 | 1213.8 | 1222.5 | 1231.1 | 1239.8 | 1248.5 | 1239.8 | 1231.1 | 1222.5 | 1213.8 | 1227.2 |
| 20° | 1198.2 | 1190.7 | 1207.0 | 1221.2 | 1229.4 | 1237.5 | 1229.4 | 1221.2 | 1207.0 | 1190.7 | 1198.2 |
| 22.5° | 1175.1 | 1172.0 | 1189.9 | 1204.4 | 1208.8 | 1213.1 | 1208.8 | 1204.4 | 1189.9 | 1172.0 | 1175.1 |
| 25° | 1138.7 | 1143.1 | 1158.7 | 1169.9 | 1167.8 | 1165.8 | 1167.8 | 1169.9 | 1158.7 | 1143.1 | 1138.7 |
| 27.5° | 1103.5 | 1112.3 | 1121.7 | 1129.2 | 1130.4 | 1131.6 | 1130.4 | 1129.2 | 1121.7 | 1112.3 | 1103.5 |
| 30° | 1075.4 | 1086.6 | 1096.1 | 1105.4 | 1114.3 | 1123.1 | 1114.3 | 1105.4 | 1096.1 | 1086.6 | 1075.4 |
| 32.5° | 1044.1 | 1065.1 | 1087.6 | 1109.5 | 1129.7 | 1149.9 | 1129.7 | 1109.5 | 1087.6 | 1065.1 | 1044.1 |
| 35° | 999.8 | 1030.3 | 1067.6 | 1112.2 | 1178.7 | 1245.1 | 1178.7 | 1112.2 | 1067.6 | 1030.3 | 999.8 |
| 37.5° | 953.2 | 985.3 | 1017.5 | 1046.9 | 1068.0 | 1089.2 | 1068.0 | 1046.9 | 1017.5 | 985.3 | 953.2 |
| 40° | 920.6 | 960.6 | 1002.0 | 1020.8 | 972.0 | 923.2 | 972.0 | 1020.8 | 1002.0 | 960.6 | 920.6 |
| 42.5° | 878.9 | 922.9 | 976.8 | 996.6 | 914.1 | 831.6 | 914.1 | 996.6 | 976.8 | 922.9 | 878.9 |
| 45° | 817.4 | 841.8 | 856.0 | 852.0 | 793.0 | 734.0 | 793.0 | 852.0 | 856.0 | 841.8 | 817.4 |
| 47.5° | 774.5 | 777.2 | 745.4 | 715.7 | 692.6 | 669.6 | 692.6 | 715.7 | 745.4 | 777.2 | 774.5 |
| 50° | 752.3 | 748.2 | 697.3 | 655.5 | 640.5 | 625.6 | 640.5 | 655.5 | 697.3 | 748.2 | 752.3 |
| 52.5° | 734.5 | 726.4 | 658.7 | 605.4 | 595.4 | 585.3 | 595.4 | 605.4 | 658.7 | 726.4 | 734.5 |
| 55° | 713.6 | 702.8 | 609.9 | 539.7 | 537.6 | 535.6 | 537.6 | 539.7 | 609.9 | 702.8 | 713.6 |
| 57.5° | 633.7 | 622.3 | 541.7 | 482.2 | 485.7 | 489.2 | 485.7 | 482.2 | 541.7 | 622.3 | 633.7 |
| 60° | 555.3 | 544.4 | 488.8 | 446.1 | 442.0 | 437.9 | 442.0 | 446.1 | 488.8 | 544.4 | 555.3 |
| 62.5° | 481.9 | 469.1 | 431.4 | 402.1 | 398.1 | 394.0 | 398.1 | 402.1 | 431.4 | 469.1 | 481.9 |
| 65° | 394.9 | 376.6 | 345.4 | 322.0 | 322.0 | 322.0 | 322.0 | 322.0 | 345.4 | 376.6 | 394.9 |
| 67.5° | 324.0 | 305.8 | 282.1 | 260.2 | 243.9 | 227.7 | 243.9 | 260.2 | 282.1 | 305.8 | 324.0 |
| 70° | 278.6 | 256.9 | 230.4 | 207.9 | 197.0 | 186.2 | 197.0 | 207.9 | 230.4 | 256.9 | 278.6 |
| 72.5° | 231.6 | 210.5 | 188.9 | 169.6 | 157.1 | 144.7 | 157.1 | 169.6 | 188.9 | 210.5 | 231.6 |
| 75° | 165.6 | 144.3 | 124.6 | 109.5 | 108.2 | 106.8 | 108.2 | 109.5 | 124.6 | 144.3 | 165.6 |
| 77.5° | 113.7 | 98.8 | 88.9 | 81.5 | 81.7 | 81.8 | 81.7 | 81.5 | 88.9 | 98.8 | 113.7 |
| 80° | 77.3 | 66.8 | 66.1 | 65.8 | 66.5 | 67.1 | 66.5 | 65.8 | 66.1 | 66.8 | 77.3 |
| 82.5° | 56.2 | 50.5 | 51.5 | 52.2 | 52.4 | 52.5 | 52.4 | 52.2 | 51.5 | 50.5 | 56.2 |
| 85° | 31.2 | 29.2 | 26.4 | 24.2 | 23.6 | 22.9 | 23.6 | 24.2 | 26.4 | 29.2 | 31.2 |
| 87.5° | 10.1 | 10.3 | 11.3 | 11.8 | 12.4 | 12.1 | 12.4 | 11.8 | 11.3 | 10.3 | 10.1 |
| 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: P1427878

CATALOG NUMBER: SQ2W-PH1-K-050U-075D-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: P1427878

CATALOG NUMBER: SQ2W-PH1-K-050U-075D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 330° | 340° | 350° | 360° |
|--------|--------|--------|--------|--------|
| 0° | 1603.7 | 1603.7 | 1603.7 | 1603.7 |
| 2.5° | 1604.5 | 1615.3 | 1607.7 | 1600.1 |
| 5° | 1573.7 | 1605.4 | 1606.1 | 1606.8 |
| 7.5° | 1492.9 | 1535.4 | 1556.5 | 1577.5 |
| 10° | 1440.0 | 1488.1 | 1520.0 | 1551.9 |
| 12.5° | 1392.3 | 1445.1 | 1495.4 | 1545.7 |
| 15° | 1323.5 | 1377.1 | 1453.0 | 1529.0 |
| 17.5° | 1262.7 | 1309.8 | 1391.6 | 1473.4 |
| 20° | 1229.4 | 1273.0 | 1353.7 | 1434.4 |
| 22.5° | 1199.3 | 1237.8 | 1319.6 | 1401.4 |
| 25° | 1145.5 | 1173.6 | 1265.8 | 1358.1 |
| 27.5° | 1095.5 | 1113.6 | 1209.9 | 1306.2 |
| 30° | 1062.5 | 1077.0 | 1173.3 | 1269.6 |
| 32.5° | 1024.7 | 1035.0 | 1134.6 | 1234.2 |
| 35° | 976.1 | 984.2 | 1088.0 | 1191.7 |
| 37.5° | 921.0 | 924.7 | 1036.0 | 1147.2 |
| 40° | 882.0 | 882.1 | 998.8 | 1115.4 |
| 42.5° | 844.5 | 848.0 | 964.6 | 1081.3 |
| 45° | 782.8 | 787.2 | 908.6 | 1030.0 |
| 47.5° | 737.2 | 738.2 | 853.9 | 969.6 |
| 50° | 709.5 | 704.8 | 814.0 | 923.2 |
| 52.5° | 683.1 | 670.5 | 774.2 | 878.0 |
| 55° | 642.4 | 613.9 | 713.6 | 813.3 |
| 57.5° | 575.9 | 556.1 | 650.4 | 744.6 |
| 60° | 521.4 | 518.8 | 610.4 | 701.9 |
| 62.5° | 469.7 | 482.3 | 569.5 | 656.8 |
| 65° | 400.3 | 424.2 | 503.6 | 582.9 |
| 67.5° | 336.6 | 363.4 | 432.5 | 501.7 |
| 70° | 295.5 | 323.5 | 384.5 | 445.6 |
| 72.5° | 252.4 | 281.0 | 333.4 | 385.8 |
| 75° | 188.7 | 216.5 | 258.6 | 300.6 |
| 77.5° | 133.5 | 156.0 | 186.6 | 217.3 |
| 80° | 97.7 | 118.7 | 141.7 | 164.8 |
| 82.5° | 68.4 | 81.8 | 98.9 | 116.0 |
| 85° | 32.6 | 35.6 | 43.7 | 51.9 |
| 87.5° | 11.0 | 11.4 | 11.4 | 11.4 |
| 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 |



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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 |

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CIE UGR TABLE:

| Reflectances: | | | | | | | | | | | |
|-----------------|------|------------------|-------|-------|-------|-------|----------------|-------|-------|-------|-------|
| Ceiling | | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 |
| Wall | | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 |
| Reference plane | | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| Room dimensions | | Viewed crosswise | | | | | Viewed endwise | | | | |
| X=2H | Y=2H | 19.37 | 20.36 | 20.20 | 21.22 | 22.27 | 18.20 | 19.19 | 19.03 | 20.04 | 21.10 |
| | 3H | 21.56 | 22.45 | 22.40 | 23.31 | 24.39 | 19.26 | 20.15 | 20.10 | 21.01 | 22.10 |
| | 4H | 22.38 | 23.21 | 23.24 | 24.08 | 25.18 | 19.51 | 20.35 | 20.37 | 21.22 | 22.32 |
| | 6H | 22.85 | 23.62 | 23.72 | 24.50 | 25.61 | 19.66 | 20.43 | 20.53 | 21.31 | 22.42 |
| | 8H | 23.01 | 23.74 | 23.89 | 24.64 | 25.75 | 19.72 | 20.46 | 20.60 | 21.35 | 22.46 |
| | 12H | 23.07 | 23.77 | 23.96 | 24.66 | 25.79 | 19.74 | 20.44 | 20.62 | 21.33 | 22.46 |
| 4H | 2H | 19.82 | 20.66 | 20.69 | 21.53 | 22.63 | 18.90 | 19.74 | 19.77 | 20.61 | 21.71 |
| | 3H | 22.09 | 22.78 | 22.96 | 23.69 | 24.80 | 20.14 | 20.84 | 21.02 | 21.74 | 22.85 |
| | 4H | 22.97 | 23.60 | 23.85 | 24.50 | 25.64 | 20.44 | 21.07 | 21.33 | 21.97 | 23.11 |
| | 6H | 23.53 | 24.08 | 24.44 | 25.00 | 26.14 | 20.65 | 21.19 | 21.55 | 22.11 | 23.26 |
| | 8H | 23.74 | 24.25 | 24.64 | 25.16 | 26.32 | 20.74 | 21.25 | 21.65 | 22.17 | 23.32 |
| | 12H | 23.83 | 24.29 | 24.75 | 25.22 | 26.38 | 20.77 | 21.23 | 21.69 | 22.16 | 23.32 |
| 8H | 4H | 23.00 | 23.51 | 23.91 | 24.43 | 25.58 | 20.68 | 21.19 | 21.59 | 22.11 | 23.26 |
| | 6H | 23.63 | 24.06 | 24.57 | 25.01 | 26.17 | 20.95 | 21.37 | 21.89 | 22.33 | 23.49 |
| | 8H | 23.90 | 24.27 | 24.84 | 25.22 | 26.39 | 21.10 | 21.47 | 22.04 | 22.42 | 23.60 |
| | 12H | 24.04 | 24.36 | 24.98 | 25.30 | 26.53 | 21.17 | 21.50 | 22.12 | 22.44 | 23.66 |
| 12H | 4H | 22.96 | 23.42 | 23.88 | 24.35 | 25.51 | 20.68 | 21.14 | 21.61 | 22.08 | 23.24 |
| | 6H | 23.61 | 23.99 | 24.55 | 24.93 | 26.11 | 20.99 | 21.36 | 21.93 | 22.31 | 23.48 |
| | 8H | 23.89 | 24.22 | 24.84 | 25.16 | 26.38 | 21.16 | 21.49 | 22.10 | 22.43 | 23.65 |