

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: P1427852

Luminaire Tested: SQ2W-PH1-K-025U-075D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1427852
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-025U-075D-L930-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 250 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

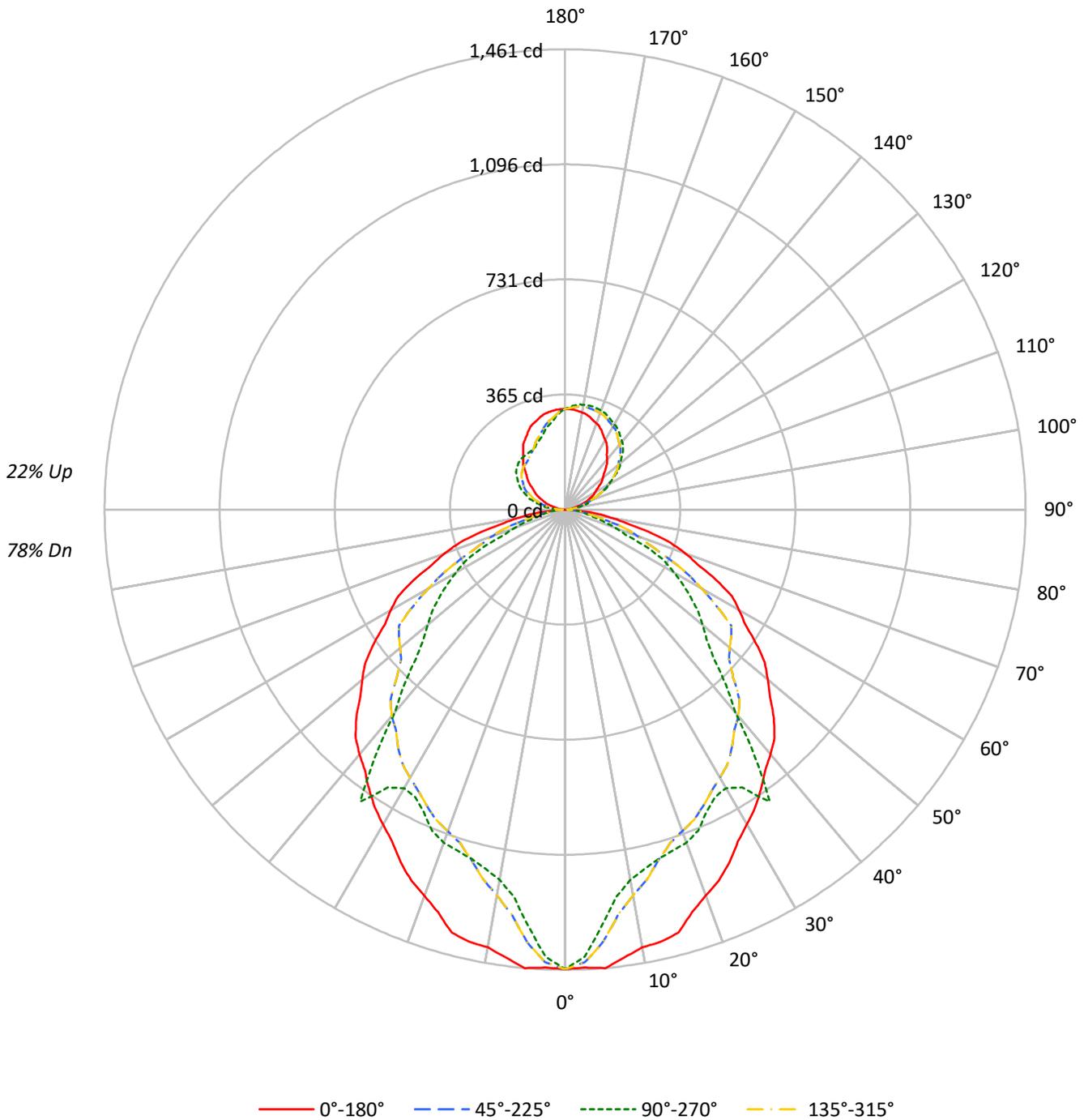
Lumens per Lamp: N/A
Luminaire Lumens: 4156.6 lumens
Efficiency: N/A
Efficacy: 121.5 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.02 / 1.23
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 34.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1427852

CATALOG NUMBER: SQ2W-PH1-K-025U-075D-L930-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P1427852

CATALOG NUMBER: SQ2W-PH1-K-025U-075D-L930-UNV-STD-W-WM-4

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|--|--|
| RF | 20 | | | | | 20 | | | | | 20 | | | | | 20 | | | | |
| RC | 80 | | | | | 70 | | | | | 50 | | | | | 30 | | | | |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 | | |
| RCR | | | | | | | | | | | | | | | | | | | | |
| 0 | 114 | 114 | 114 | 114 | 108 | 108 | 108 | 108 | 99 | 99 | 99 | 90 | 90 | 90 | 81 | 81 | 81 | 78 | | |
| 1 | 104 | 100 | 96 | 93 | 99 | 96 | 92 | 89 | 87 | 85 | 82 | 80 | 78 | 76 | 73 | 71 | 70 | 66 | | |
| 2 | 95 | 88 | 81 | 76 | 91 | 84 | 78 | 73 | 77 | 72 | 68 | 70 | 67 | 64 | 64 | 61 | 59 | 56 | | |
| 3 | 87 | 77 | 70 | 64 | 83 | 74 | 67 | 62 | 68 | 62 | 58 | 62 | 58 | 54 | 57 | 53 | 50 | 47 | | |
| 4 | 80 | 69 | 60 | 54 | 76 | 66 | 58 | 53 | 61 | 54 | 49 | 56 | 51 | 46 | 51 | 47 | 44 | 41 | | |
| 5 | 73 | 61 | 53 | 47 | 70 | 59 | 51 | 45 | 54 | 48 | 43 | 50 | 45 | 40 | 46 | 42 | 38 | 35 | | |
| 6 | 68 | 55 | 47 | 41 | 64 | 53 | 45 | 40 | 49 | 43 | 38 | 45 | 40 | 36 | 42 | 37 | 34 | 31 | | |
| 7 | 63 | 50 | 42 | 36 | 60 | 48 | 41 | 35 | 45 | 38 | 33 | 41 | 36 | 32 | 38 | 34 | 30 | 28 | | |
| 8 | 58 | 46 | 38 | 32 | 56 | 44 | 36 | 31 | 41 | 34 | 30 | 38 | 32 | 28 | 35 | 30 | 27 | 25 | | |
| 9 | 55 | 42 | 34 | 29 | 52 | 40 | 33 | 28 | 38 | 31 | 27 | 35 | 29 | 26 | 33 | 28 | 24 | 22 | | |
| 10 | 51 | 39 | 31 | 26 | 49 | 37 | 30 | 25 | 35 | 29 | 24 | 32 | 27 | 23 | 30 | 26 | 22 | 20 | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|-------|-------|-------|
| 0° | 23543 | 23543 | 23543 | 23543 |
| 5° | 23679 | 21520 | 23679 | 21520 |
| 10° | 23134 | 19562 | 23134 | 19562 |
| 15° | 23237 | 19179 | 23237 | 19179 |
| 20° | 22408 | 19333 | 22408 | 19333 |
| 25° | 21998 | 18884 | 21998 | 18884 |
| 30° | 21522 | 19039 | 21522 | 19039 |
| 35° | 21358 | 22316 | 21358 | 22316 |
| 40° | 21376 | 17692 | 21376 | 17692 |
| 45° | 21383 | 15239 | 21383 | 15239 |
| 50° | 21084 | 14290 | 21084 | 14290 |
| 55° | 20816 | 13709 | 20816 | 13709 |
| 60° | 20608 | 12858 | 20608 | 12858 |
| 65° | 20248 | 11186 | 20248 | 11186 |
| 70° | 19123 | 7992 | 19123 | 7992 |
| 75° | 17049 | 6057 | 17049 | 6057 |
| 80° | 13928 | 5672 | 13928 | 5672 |
| 85° | 8744 | 3853 | 8744 | 3853 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 21383 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 128.3 | 3.1 |
| 10°-20° | 337.5 | 8.1 |
| 20°-30° | 494.8 | 11.9 |
| 30°-40° | 599.2 | 14.4 |
| 40°-50° | 589.2 | 14.2 |
| 50°-60° | 512.5 | 12.3 |
| 60°-70° | 356.4 | 8.6 |
| 70°-80° | 169.0 | 4.1 |
| 80°-90° | 38.6 | 0.9 |
| 90°-100° | 25.4 | 0.6 |
| 100°-110° | 74.0 | 1.8 |
| 110°-120° | 120.8 | 2.9 |
| 120°-130° | 153.3 | 3.7 |
| 130°-140° | 164.0 | 3.9 |
| 140°-150° | 153.1 | 3.7 |
| 150°-160° | 126.0 | 3.0 |
| 160°-170° | 84.5 | 2.0 |
| 170°-180° | 30.0 | 0.7 |
| 0°-30° | 960.6 | 23.1 |
| 0°-40° | 1559.8 | 37.5 |
| 0°-60° | 2661.5 | 64.0 |
| 0°-90° | 3225.6 | 77.6 |
| 90°-120° | 220.2 | 5.3 |
| 90°-150° | 690.5 | 16.6 |
| 90°-180° | 931.0 | 22.4 |
| 0°-180° | 4156.6 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 1458 | 1458 | 1458 | 1458 | 1458 | |
| 5° | 1461 | 1328 | 1461 | 1328 | 1461 | 137 |
| 15° | 1390 | 1147 | 1390 | 1147 | 1390 | 388 |
| 25° | 1235 | 1060 | 1235 | 1060 | 1235 | 568 |
| 35° | 1084 | 1132 | 1084 | 1132 | 1084 | 679 |
| 45° | 936 | 667 | 936 | 667 | 936 | 720 |
| 55° | 740 | 487 | 740 | 487 | 740 | 661 |
| 65° | 530 | 293 | 530 | 293 | 530 | 521 |
| 75° | 273 | 97 | 273 | 97 | 273 | 290 |
| 85° | 47 | 21 | 47 | 21 | 47 | 63 |
| 90° | 1 | 7 | 1 | 14 | 1 | 2 |
| 95° | 10 | 7 | 10 | 44 | 10 | 12 |
| 105° | 47 | 75 | 47 | 104 | 47 | 50 |
| 115° | 90 | 125 | 90 | 154 | 90 | 89 |
| 125° | 133 | 198 | 133 | 189 | 133 | 119 |
| 135° | 181 | 259 | 181 | 209 | 181 | 140 |
| 145° | 232 | 299 | 232 | 214 | 232 | 145 |
| 155° | 275 | 325 | 275 | 222 | 275 | 126 |
| 165° | 304 | 338 | 304 | 255 | 304 | 86 |
| 175° | 318 | 331 | 318 | 299 | 318 | 30 |
| 180° | 319 | 319 | 319 | 319 | 319 | |



TEST NUMBER: P1427852

CATALOG NUMBER: SQ2W-PH1-K-025U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1458.2 | 1458.2 | 1458.2 | 1458.2 | 1458.2 | 1458.2 | 1458.2 | 1458.2 | 1458.2 | 1458.2 | 1458.2 |
| 2.5° | 1454.9 | 1461.8 | 1468.7 | 1459.0 | 1443.7 | 1433.1 | 1427.2 | 1422.5 | 1421.5 | 1420.5 | 1421.5 |
| 5° | 1461.0 | 1460.4 | 1459.8 | 1430.9 | 1392.7 | 1364.0 | 1344.9 | 1330.3 | 1329.0 | 1327.8 | 1329.0 |
| 7.5° | 1434.4 | 1415.2 | 1396.1 | 1357.4 | 1312.1 | 1279.0 | 1257.9 | 1241.8 | 1240.8 | 1239.8 | 1240.8 |
| 10° | 1411.1 | 1382.1 | 1353.1 | 1309.3 | 1260.6 | 1226.7 | 1207.6 | 1193.2 | 1193.2 | 1193.2 | 1193.2 |
| 12.5° | 1405.5 | 1359.8 | 1314.0 | 1266.0 | 1217.3 | 1185.9 | 1171.7 | 1161.8 | 1164.7 | 1167.7 | 1164.7 |
| 15° | 1390.2 | 1321.2 | 1252.1 | 1203.4 | 1161.5 | 1138.7 | 1135.0 | 1133.9 | 1140.7 | 1147.4 | 1140.7 |
| 17.5° | 1339.7 | 1265.4 | 1191.0 | 1148.2 | 1115.9 | 1103.7 | 1111.5 | 1119.4 | 1127.3 | 1135.2 | 1127.3 |
| 20° | 1304.2 | 1230.8 | 1157.5 | 1117.8 | 1089.5 | 1082.7 | 1097.5 | 1110.4 | 1117.8 | 1125.2 | 1117.8 |
| 22.5° | 1274.3 | 1199.9 | 1125.5 | 1090.5 | 1068.5 | 1065.7 | 1081.9 | 1095.1 | 1099.1 | 1103.0 | 1099.1 |
| 25° | 1234.8 | 1151.0 | 1067.1 | 1041.5 | 1035.4 | 1039.4 | 1053.6 | 1063.7 | 1061.9 | 1060.0 | 1061.9 |
| 27.5° | 1187.7 | 1100.1 | 1012.5 | 996.1 | 1003.4 | 1011.3 | 1020.0 | 1026.7 | 1027.8 | 1028.9 | 1027.8 |
| 30° | 1154.4 | 1066.8 | 979.2 | 966.1 | 977.9 | 988.0 | 996.7 | 1005.1 | 1013.2 | 1021.2 | 1013.2 |
| 32.5° | 1122.2 | 1031.7 | 941.1 | 931.7 | 949.4 | 968.4 | 988.9 | 1008.8 | 1027.2 | 1045.6 | 1027.2 |
| 35° | 1083.6 | 989.3 | 894.9 | 887.5 | 909.1 | 936.9 | 970.8 | 1011.3 | 1071.7 | 1132.2 | 1071.7 |
| 37.5° | 1043.1 | 942.0 | 840.8 | 837.5 | 866.7 | 895.9 | 925.2 | 951.9 | 971.1 | 990.4 | 971.1 |
| 40° | 1014.2 | 908.2 | 802.1 | 802.0 | 837.1 | 873.5 | 911.1 | 928.2 | 883.8 | 839.4 | 883.8 |
| 42.5° | 983.2 | 877.1 | 771.0 | 767.9 | 799.1 | 839.2 | 888.2 | 906.1 | 831.2 | 756.2 | 831.2 |
| 45° | 936.5 | 826.2 | 715.8 | 711.8 | 743.2 | 765.4 | 778.4 | 774.7 | 721.0 | 667.4 | 721.0 |
| 47.5° | 881.6 | 776.4 | 671.2 | 670.3 | 704.2 | 706.7 | 677.7 | 650.8 | 629.8 | 608.8 | 629.8 |
| 50° | 839.4 | 740.1 | 640.9 | 645.2 | 684.0 | 680.3 | 634.1 | 596.0 | 582.4 | 568.9 | 582.4 |
| 52.5° | 798.4 | 704.0 | 609.7 | 621.1 | 667.9 | 660.5 | 598.9 | 550.5 | 541.4 | 532.2 | 541.4 |
| 55° | 739.5 | 648.9 | 558.2 | 584.1 | 648.9 | 639.0 | 554.5 | 490.7 | 488.9 | 487.0 | 488.9 |
| 57.5° | 677.1 | 591.4 | 505.7 | 523.6 | 576.2 | 565.8 | 492.6 | 438.4 | 441.6 | 444.8 | 441.6 |
| 60° | 638.2 | 555.0 | 471.7 | 474.1 | 504.9 | 495.0 | 444.5 | 405.6 | 401.9 | 398.2 | 401.9 |
| 62.5° | 597.2 | 517.9 | 438.6 | 427.1 | 438.2 | 426.6 | 392.3 | 365.6 | 361.9 | 358.2 | 361.9 |
| 65° | 530.0 | 457.9 | 385.7 | 364.0 | 359.0 | 342.4 | 314.0 | 292.8 | 292.8 | 292.8 | 292.8 |
| 67.5° | 456.2 | 393.3 | 330.4 | 306.1 | 294.6 | 278.1 | 256.5 | 236.6 | 221.8 | 207.0 | 221.8 |
| 70° | 405.1 | 349.6 | 294.1 | 268.7 | 253.3 | 233.6 | 209.5 | 189.0 | 179.1 | 169.3 | 179.1 |
| 72.5° | 350.8 | 303.1 | 255.5 | 229.5 | 210.6 | 191.4 | 171.8 | 154.2 | 142.9 | 131.5 | 142.9 |
| 75° | 273.3 | 235.1 | 196.9 | 171.6 | 150.6 | 131.2 | 113.3 | 99.6 | 98.4 | 97.1 | 98.4 |
| 77.5° | 197.6 | 169.7 | 141.8 | 121.4 | 103.4 | 89.8 | 80.8 | 74.1 | 74.2 | 74.4 | 74.2 |
| 80° | 149.8 | 128.9 | 107.9 | 88.8 | 70.3 | 60.7 | 60.1 | 59.8 | 60.4 | 61.0 | 60.4 |
| 82.5° | 105.4 | 89.9 | 74.4 | 62.2 | 51.1 | 45.9 | 46.8 | 47.5 | 47.6 | 47.7 | 47.6 |
| 85° | 47.2 | 39.8 | 32.4 | 29.6 | 28.4 | 26.5 | 24.0 | 22.0 | 21.4 | 20.8 | 21.4 |
| 87.5° | 10.2 | 9.9 | 9.8 | 8.8 | 7.5 | 6.8 | 6.8 | 6.9 | 7.0 | 7.0 | 7.0 |
| 90° | 1.0 | 2.3 | 3.9 | 5.2 | 6.1 | 6.4 | 6.4 | 6.8 | 7.1 | 7.1 | 7.1 |
| 92.5° | 3.5 | 5.6 | 5.7 | 5.7 | 6.9 | 7.5 | 8.0 | 8.1 | 8.4 | 8.4 | 8.4 |
| 95° | 10.0 | 11.0 | 16.4 | 16.1 | 11.0 | 8.7 | 7.4 | 7.4 | 7.4 | 7.4 | 7.4 |
| 97.5° | 19.1 | 20.5 | 21.4 | 28.7 | 30.3 | 29.2 | 23.8 | 20.0 | 17.9 | 16.9 | 17.9 |
| 100° | 27.1 | 27.7 | 29.6 | 30.0 | 38.0 | 45.7 | 41.9 | 37.0 | 35.4 | 34.5 | 35.4 |
| 102.5° | 35.0 | 35.4 | 38.4 | 39.7 | 41.6 | 46.0 | 59.4 | 57.9 | 56.8 | 56.6 | 56.8 |
| 105° | 47.0 | 47.3 | 52.8 | 55.4 | 56.7 | 56.7 | 56.4 | 62.8 | 73.1 | 75.4 | 73.1 |
| 107.5° | 59.8 | 61.3 | 67.8 | 74.7 | 76.1 | 76.5 | 74.9 | 73.9 | 73.5 | 73.8 | 73.5 |
| 110° | 68.6 | 70.9 | 78.6 | 87.3 | 89.5 | 90.2 | 89.5 | 88.6 | 87.9 | 87.9 | 87.9 |



TEST NUMBER: P1427852

CATALOG NUMBER: SQ2W-PH1-K-025U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 77.1 | 80.4 | 89.2 | 99.1 | 102.9 | 104.9 | 103.5 | 102.7 | 102.1 | 102.6 | 102.1 |
| 115° | 90.2 | 95.0 | 106.6 | 116.9 | 124.6 | 125.6 | 125.3 | 125.3 | 125.0 | 125.0 | 125.0 |
| 117.5° | 102.3 | 110.0 | 123.0 | 135.0 | 144.0 | 146.5 | 147.8 | 147.5 | 147.1 | 147.7 | 147.1 |
| 120° | 110.8 | 119.8 | 134.6 | 148.2 | 156.9 | 160.7 | 162.0 | 161.4 | 162.0 | 161.4 | 162.0 |
| 122.5° | 119.8 | 130.9 | 145.5 | 159.5 | 169.7 | 174.1 | 175.7 | 175.8 | 175.9 | 175.5 | 175.9 |
| 125° | 133.3 | 146.9 | 163.9 | 178.4 | 189.1 | 194.2 | 195.5 | 195.8 | 196.5 | 198.1 | 196.5 |
| 127.5° | 147.0 | 162.3 | 181.1 | 195.1 | 205.9 | 212.2 | 214.2 | 214.9 | 216.2 | 217.0 | 216.2 |
| 130° | 156.5 | 173.9 | 192.9 | 206.1 | 216.8 | 223.5 | 227.1 | 228.0 | 229.6 | 229.3 | 229.6 |
| 132.5° | 166.6 | 184.7 | 204.0 | 217.7 | 227.6 | 234.9 | 237.9 | 240.7 | 241.2 | 241.7 | 241.2 |
| 135° | 181.3 | 201.0 | 220.3 | 233.8 | 243.2 | 250.3 | 254.1 | 256.7 | 258.3 | 259.3 | 258.3 |
| 137.5° | 196.9 | 217.6 | 236.2 | 248.2 | 257.6 | 263.7 | 268.1 | 270.8 | 272.5 | 273.3 | 272.5 |
| 140° | 207.4 | 227.4 | 245.4 | 258.0 | 266.4 | 272.5 | 276.3 | 279.6 | 281.5 | 281.5 | 281.5 |
| 142.5° | 217.5 | 237.2 | 254.7 | 267.3 | 274.6 | 280.2 | 284.3 | 286.8 | 289.0 | 289.0 | 289.0 |
| 145° | 231.6 | 251.2 | 267.3 | 279.9 | 286.0 | 291.2 | 295.7 | 297.6 | 298.9 | 298.9 | 298.9 |
| 147.5° | 246.3 | 263.7 | 278.4 | 290.5 | 295.6 | 301.7 | 305.2 | 306.8 | 308.4 | 307.7 | 308.4 |
| 150° | 255.1 | 271.2 | 285.4 | 296.6 | 301.8 | 307.6 | 311.1 | 312.4 | 314.0 | 313.1 | 314.0 |
| 152.5° | 263.6 | 278.9 | 291.8 | 302.3 | 306.7 | 312.5 | 316.5 | 317.8 | 318.9 | 318.2 | 318.9 |
| 155° | 275.1 | 288.6 | 300.5 | 310.2 | 314.0 | 319.5 | 323.4 | 325.0 | 326.3 | 324.7 | 326.3 |
| 157.5° | 285.3 | 297.0 | 307.3 | 316.2 | 320.3 | 325.0 | 328.7 | 330.7 | 331.9 | 331.2 | 331.9 |
| 160° | 291.5 | 302.1 | 311.5 | 319.8 | 323.7 | 327.9 | 331.7 | 334.0 | 335.3 | 334.3 | 335.3 |
| 162.5° | 296.6 | 306.2 | 315.1 | 322.7 | 326.0 | 329.7 | 334.3 | 336.3 | 337.6 | 336.4 | 337.6 |
| 165° | 304.0 | 311.8 | 319.5 | 326.0 | 328.8 | 331.7 | 336.6 | 338.8 | 339.8 | 338.5 | 339.8 |
| 167.5° | 309.7 | 315.6 | 321.8 | 327.4 | 329.5 | 332.3 | 337.2 | 339.0 | 340.3 | 338.6 | 340.3 |
| 170° | 312.7 | 317.9 | 323.4 | 327.9 | 329.5 | 332.1 | 336.9 | 338.5 | 339.5 | 337.9 | 339.5 |
| 172.5° | 315.3 | 319.2 | 323.6 | 327.6 | 328.5 | 330.5 | 335.1 | 336.7 | 337.4 | 336.1 | 337.4 |
| 175° | 317.9 | 320.2 | 323.4 | 326.0 | 325.6 | 326.9 | 330.8 | 332.1 | 333.4 | 331.4 | 333.4 |
| 177.5° | 319.1 | 320.2 | 321.2 | 322.7 | 321.7 | 321.7 | 324.5 | 325.3 | 325.6 | 324.5 | 325.6 |
| 180° | 318.9 | 318.9 | 318.9 | 318.9 | 318.9 | 318.9 | 318.9 | 318.9 | 318.9 | 318.9 | 318.9 |

TEST NUMBER: P1427852

CATALOG NUMBER: SQ2W-PH1-K-025U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° | 190° | 200° | 210° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1458.2 | 1458.2 | 1458.2 | 1458.2 | 1458.2 | 1458.2 | 1458.2 | 1458.2 | 1458.2 | 1458.2 | 1458.2 |
| 2.5° | 1422.5 | 1427.2 | 1433.1 | 1443.7 | 1459.0 | 1468.7 | 1461.8 | 1454.9 | 1461.8 | 1468.7 | 1459.0 |
| 5° | 1330.3 | 1344.9 | 1364.0 | 1392.7 | 1430.9 | 1459.8 | 1460.4 | 1461.0 | 1460.4 | 1459.8 | 1430.9 |
| 7.5° | 1241.8 | 1257.9 | 1279.0 | 1312.1 | 1357.4 | 1396.1 | 1415.2 | 1434.4 | 1415.2 | 1396.1 | 1357.4 |
| 10° | 1193.2 | 1207.6 | 1226.7 | 1260.6 | 1309.3 | 1353.1 | 1382.1 | 1411.1 | 1382.1 | 1353.1 | 1309.3 |
| 12.5° | 1161.8 | 1171.7 | 1185.9 | 1217.3 | 1266.0 | 1314.0 | 1359.8 | 1405.5 | 1359.8 | 1314.0 | 1266.0 |
| 15° | 1133.9 | 1135.0 | 1138.7 | 1161.5 | 1203.4 | 1252.1 | 1321.2 | 1390.2 | 1321.2 | 1252.1 | 1203.4 |
| 17.5° | 1119.4 | 1111.5 | 1103.7 | 1115.9 | 1148.2 | 1191.0 | 1265.4 | 1339.7 | 1265.4 | 1191.0 | 1148.2 |
| 20° | 1110.4 | 1097.5 | 1082.7 | 1089.5 | 1117.8 | 1157.5 | 1230.8 | 1304.2 | 1230.8 | 1157.5 | 1117.8 |
| 22.5° | 1095.1 | 1081.9 | 1065.7 | 1068.5 | 1090.5 | 1125.5 | 1199.9 | 1274.3 | 1199.9 | 1125.5 | 1090.5 |
| 25° | 1063.7 | 1053.6 | 1039.4 | 1035.4 | 1041.5 | 1067.1 | 1151.0 | 1234.8 | 1151.0 | 1067.1 | 1041.5 |
| 27.5° | 1026.7 | 1020.0 | 1011.3 | 1003.4 | 996.1 | 1012.5 | 1100.1 | 1187.7 | 1100.1 | 1012.5 | 996.1 |
| 30° | 1005.1 | 996.7 | 988.0 | 977.9 | 966.1 | 979.2 | 1066.8 | 1154.4 | 1066.8 | 979.2 | 966.1 |
| 32.5° | 1008.8 | 988.9 | 968.4 | 949.4 | 931.7 | 941.1 | 1031.7 | 1122.2 | 1031.7 | 941.1 | 931.7 |
| 35° | 1011.3 | 970.8 | 936.9 | 909.1 | 887.5 | 894.9 | 989.3 | 1083.6 | 989.3 | 894.9 | 887.5 |
| 37.5° | 951.9 | 925.2 | 895.9 | 866.7 | 837.5 | 840.8 | 942.0 | 1043.1 | 942.0 | 840.8 | 837.5 |
| 40° | 928.2 | 911.1 | 873.5 | 837.1 | 802.0 | 802.1 | 908.2 | 1014.2 | 908.2 | 802.1 | 802.0 |
| 42.5° | 906.1 | 888.2 | 839.2 | 799.1 | 767.9 | 771.0 | 877.1 | 983.2 | 877.1 | 771.0 | 767.9 |
| 45° | 774.7 | 778.4 | 765.4 | 743.2 | 711.8 | 715.8 | 826.2 | 936.5 | 826.2 | 715.8 | 711.8 |
| 47.5° | 650.8 | 677.7 | 706.7 | 704.2 | 670.3 | 671.2 | 776.4 | 881.6 | 776.4 | 671.2 | 670.3 |
| 50° | 596.0 | 634.1 | 680.3 | 684.0 | 645.2 | 640.9 | 740.1 | 839.4 | 740.1 | 640.9 | 645.2 |
| 52.5° | 550.5 | 598.9 | 660.5 | 667.9 | 621.1 | 609.7 | 704.0 | 798.4 | 704.0 | 609.7 | 621.1 |
| 55° | 490.7 | 554.5 | 639.0 | 648.9 | 584.1 | 558.2 | 648.9 | 739.5 | 648.9 | 558.2 | 584.1 |
| 57.5° | 438.4 | 492.6 | 565.8 | 576.2 | 523.6 | 505.7 | 591.4 | 677.1 | 591.4 | 505.7 | 523.6 |
| 60° | 405.6 | 444.5 | 495.0 | 504.9 | 474.1 | 471.7 | 555.0 | 638.2 | 555.0 | 471.7 | 474.1 |
| 62.5° | 365.6 | 392.3 | 426.6 | 438.2 | 427.1 | 438.6 | 517.9 | 597.2 | 517.9 | 438.6 | 427.1 |
| 65° | 292.8 | 314.0 | 342.4 | 359.0 | 364.0 | 385.7 | 457.9 | 530.0 | 457.9 | 385.7 | 364.0 |
| 67.5° | 236.6 | 256.5 | 278.1 | 294.6 | 306.1 | 330.4 | 393.3 | 456.2 | 393.3 | 330.4 | 306.1 |
| 70° | 189.0 | 209.5 | 233.6 | 253.3 | 268.7 | 294.1 | 349.6 | 405.1 | 349.6 | 294.1 | 268.7 |
| 72.5° | 154.2 | 171.8 | 191.4 | 210.6 | 229.5 | 255.5 | 303.1 | 350.8 | 303.1 | 255.5 | 229.5 |
| 75° | 99.6 | 113.3 | 131.2 | 150.6 | 171.6 | 196.9 | 235.1 | 273.3 | 235.1 | 196.9 | 171.6 |
| 77.5° | 74.1 | 80.8 | 89.8 | 103.4 | 121.4 | 141.8 | 169.7 | 197.6 | 169.7 | 141.8 | 121.4 |
| 80° | 59.8 | 60.1 | 60.7 | 70.3 | 88.8 | 107.9 | 128.9 | 149.8 | 128.9 | 107.9 | 88.8 |
| 82.5° | 47.5 | 46.8 | 45.9 | 51.1 | 62.2 | 74.4 | 89.9 | 105.4 | 89.9 | 74.4 | 62.2 |
| 85° | 22.0 | 24.0 | 26.5 | 28.4 | 29.6 | 32.4 | 39.8 | 47.2 | 39.8 | 32.4 | 29.6 |
| 87.5° | 6.9 | 6.8 | 6.8 | 7.5 | 8.8 | 9.8 | 9.9 | 10.2 | 9.9 | 9.7 | 8.9 |
| 90° | 6.8 | 6.4 | 6.4 | 6.1 | 5.2 | 3.9 | 2.3 | 1.0 | 2.3 | 3.5 | 5.8 |
| 92.5° | 8.1 | 8.0 | 7.5 | 6.9 | 5.7 | 5.7 | 5.6 | 3.5 | 6.1 | 8.7 | 12.5 |
| 95° | 7.4 | 7.4 | 8.7 | 11.0 | 16.1 | 16.4 | 11.0 | 10.0 | 14.2 | 20.0 | 25.1 |
| 97.5° | 20.0 | 23.8 | 29.2 | 30.3 | 28.7 | 21.4 | 20.5 | 19.1 | 26.0 | 31.7 | 40.0 |
| 100° | 37.0 | 41.9 | 45.7 | 38.0 | 30.0 | 29.6 | 27.7 | 27.1 | 34.5 | 39.9 | 48.0 |
| 102.5° | 57.9 | 59.4 | 46.0 | 41.6 | 39.7 | 38.4 | 35.4 | 35.0 | 42.5 | 50.0 | 56.8 |
| 105° | 62.8 | 56.4 | 56.7 | 56.7 | 55.4 | 52.8 | 47.3 | 47.0 | 55.4 | 64.1 | 72.5 |
| 107.5° | 73.9 | 74.9 | 76.5 | 76.1 | 74.7 | 67.8 | 61.3 | 59.8 | 67.4 | 77.8 | 87.0 |
| 110° | 88.6 | 89.5 | 90.2 | 89.5 | 87.3 | 78.6 | 70.9 | 68.6 | 75.4 | 86.3 | 96.3 |



TEST NUMBER: P1427852

CATALOG NUMBER: SQ2W-PH1-K-025U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° | 190° | 200° | 210° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 102.7 | 103.5 | 104.9 | 102.9 | 99.1 | 89.2 | 80.4 | 77.1 | 83.9 | 95.1 | 105.3 |
| 115° | 125.3 | 125.3 | 125.6 | 124.6 | 116.9 | 106.6 | 95.0 | 90.2 | 96.0 | 106.3 | 117.6 |
| 117.5° | 147.5 | 147.8 | 146.5 | 144.0 | 135.0 | 123.0 | 110.0 | 102.3 | 106.9 | 117.8 | 129.3 |
| 120° | 161.4 | 162.0 | 160.7 | 156.9 | 148.2 | 134.6 | 119.8 | 110.8 | 114.3 | 125.0 | 136.6 |
| 122.5° | 175.8 | 175.7 | 174.1 | 169.7 | 159.5 | 145.5 | 130.9 | 119.8 | 121.3 | 131.2 | 142.5 |
| 125° | 195.8 | 195.5 | 194.2 | 189.1 | 178.4 | 163.9 | 146.9 | 133.3 | 131.4 | 139.8 | 151.4 |
| 127.5° | 214.9 | 214.2 | 212.2 | 205.9 | 195.1 | 181.1 | 162.3 | 147.0 | 142.7 | 148.0 | 158.6 |
| 130° | 228.0 | 227.1 | 223.5 | 216.8 | 206.1 | 192.9 | 173.9 | 156.5 | 150.4 | 153.6 | 163.0 |
| 132.5° | 240.7 | 237.9 | 234.9 | 227.6 | 217.7 | 204.0 | 184.7 | 166.6 | 158.1 | 159.6 | 166.8 |
| 135° | 256.7 | 254.1 | 250.3 | 243.2 | 233.8 | 220.3 | 201.0 | 181.3 | 169.7 | 168.5 | 172.6 |
| 137.5° | 270.8 | 268.1 | 263.7 | 257.6 | 248.2 | 236.2 | 217.6 | 196.9 | 182.2 | 177.9 | 179.5 |
| 140° | 279.6 | 276.3 | 272.5 | 266.4 | 258.0 | 245.4 | 227.4 | 207.4 | 191.0 | 184.9 | 183.9 |
| 142.5° | 286.8 | 284.3 | 280.2 | 274.6 | 267.3 | 254.7 | 237.2 | 217.5 | 200.0 | 192.1 | 189.8 |
| 145° | 297.6 | 295.7 | 291.2 | 286.0 | 279.9 | 267.3 | 251.2 | 231.6 | 214.2 | 203.9 | 199.0 |
| 147.5° | 306.8 | 305.2 | 301.7 | 295.6 | 290.5 | 278.4 | 263.7 | 246.3 | 228.5 | 215.7 | 209.5 |
| 150° | 312.4 | 311.1 | 307.6 | 301.8 | 296.6 | 285.4 | 271.2 | 255.1 | 238.0 | 224.5 | 216.4 |
| 152.5° | 317.8 | 316.5 | 312.5 | 306.7 | 302.3 | 291.8 | 278.9 | 263.6 | 246.3 | 232.7 | 224.4 |
| 155° | 325.0 | 323.4 | 319.5 | 314.0 | 310.2 | 300.5 | 288.6 | 275.1 | 260.2 | 246.1 | 236.7 |
| 157.5° | 330.7 | 328.7 | 325.0 | 320.3 | 316.2 | 307.3 | 297.0 | 285.3 | 272.4 | 258.8 | 249.3 |
| 160° | 334.0 | 331.7 | 327.9 | 323.7 | 319.8 | 311.5 | 302.1 | 291.5 | 279.6 | 267.3 | 257.0 |
| 162.5° | 336.3 | 334.3 | 329.7 | 326.0 | 322.7 | 315.1 | 306.2 | 296.6 | 286.0 | 275.3 | 265.8 |
| 165° | 338.8 | 336.6 | 331.7 | 328.8 | 326.0 | 319.5 | 311.8 | 304.0 | 295.0 | 286.3 | 278.6 |
| 167.5° | 339.0 | 337.2 | 332.3 | 329.5 | 327.4 | 321.8 | 315.6 | 309.7 | 302.6 | 295.8 | 289.4 |
| 170° | 338.5 | 336.9 | 332.1 | 329.5 | 327.9 | 323.4 | 317.9 | 312.7 | 307.3 | 301.5 | 296.3 |
| 172.5° | 336.7 | 335.1 | 330.5 | 328.5 | 327.6 | 323.6 | 319.2 | 315.3 | 310.6 | 306.4 | 302.2 |
| 175° | 332.1 | 330.8 | 326.9 | 325.6 | 326.0 | 323.4 | 320.2 | 317.9 | 315.0 | 312.4 | 310.2 |
| 177.5° | 325.3 | 324.5 | 321.7 | 321.7 | 322.7 | 321.2 | 320.2 | 319.1 | 317.8 | 317.1 | 316.3 |
| 180° | 318.9 | 318.9 | 318.9 | 318.9 | 318.9 | 318.9 | 318.9 | 318.9 | 318.9 | 318.9 | 318.9 |



TEST NUMBER: P1427852

CATALOG NUMBER: SQ2W-PH1-K-025U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 220° | 230° | 240° | 250° | 260° | 270° | 280° | 290° | 300° | 310° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1458.2 | 1458.2 | 1458.2 | 1458.2 | 1458.2 | 1458.2 | 1458.2 | 1458.2 | 1458.2 | 1458.2 | 1458.2 |
| 2.5° | 1443.7 | 1433.1 | 1427.2 | 1422.5 | 1421.5 | 1420.5 | 1421.5 | 1422.5 | 1427.2 | 1433.1 | 1443.7 |
| 5° | 1392.7 | 1364.0 | 1344.9 | 1330.3 | 1329.0 | 1327.8 | 1329.0 | 1330.3 | 1344.9 | 1364.0 | 1392.7 |
| 7.5° | 1312.1 | 1279.0 | 1257.9 | 1241.8 | 1240.8 | 1239.8 | 1240.8 | 1241.8 | 1257.9 | 1279.0 | 1312.1 |
| 10° | 1260.6 | 1226.7 | 1207.6 | 1193.2 | 1193.2 | 1193.2 | 1193.2 | 1193.2 | 1207.6 | 1226.7 | 1260.6 |
| 12.5° | 1217.3 | 1185.9 | 1171.7 | 1161.8 | 1164.7 | 1167.7 | 1164.7 | 1161.8 | 1171.7 | 1185.9 | 1217.3 |
| 15° | 1161.5 | 1138.7 | 1135.0 | 1133.9 | 1140.7 | 1147.4 | 1140.7 | 1133.9 | 1135.0 | 1138.7 | 1161.5 |
| 17.5° | 1115.9 | 1103.7 | 1111.5 | 1119.4 | 1127.3 | 1135.2 | 1127.3 | 1119.4 | 1111.5 | 1103.7 | 1115.9 |
| 20° | 1089.5 | 1082.7 | 1097.5 | 1110.4 | 1117.8 | 1125.2 | 1117.8 | 1110.4 | 1097.5 | 1082.7 | 1089.5 |
| 22.5° | 1068.5 | 1065.7 | 1081.9 | 1095.1 | 1099.1 | 1103.0 | 1099.1 | 1095.1 | 1081.9 | 1065.7 | 1068.5 |
| 25° | 1035.4 | 1039.4 | 1053.6 | 1063.7 | 1061.9 | 1060.0 | 1061.9 | 1063.7 | 1053.6 | 1039.4 | 1035.4 |
| 27.5° | 1003.4 | 1011.3 | 1020.0 | 1026.7 | 1027.8 | 1028.9 | 1027.8 | 1026.7 | 1020.0 | 1011.3 | 1003.4 |
| 30° | 977.9 | 988.0 | 996.7 | 1005.1 | 1013.2 | 1021.2 | 1013.2 | 1005.1 | 996.7 | 988.0 | 977.9 |
| 32.5° | 949.4 | 968.4 | 988.9 | 1008.8 | 1027.2 | 1045.6 | 1027.2 | 1008.8 | 988.9 | 968.4 | 949.4 |
| 35° | 909.1 | 936.9 | 970.8 | 1011.3 | 1071.7 | 1132.2 | 1071.7 | 1011.3 | 970.8 | 936.9 | 909.1 |
| 37.5° | 866.7 | 895.9 | 925.2 | 951.9 | 971.1 | 990.4 | 971.1 | 951.9 | 925.2 | 895.9 | 866.7 |
| 40° | 837.1 | 873.5 | 911.1 | 928.2 | 883.8 | 839.4 | 883.8 | 928.2 | 911.1 | 873.5 | 837.1 |
| 42.5° | 799.1 | 839.2 | 888.2 | 906.1 | 831.2 | 756.2 | 831.2 | 906.1 | 888.2 | 839.2 | 799.1 |
| 45° | 743.2 | 765.4 | 778.4 | 774.7 | 721.0 | 667.4 | 721.0 | 774.7 | 778.4 | 765.4 | 743.2 |
| 47.5° | 704.2 | 706.7 | 677.7 | 650.8 | 629.8 | 608.8 | 629.8 | 650.8 | 677.7 | 706.7 | 704.2 |
| 50° | 684.0 | 680.3 | 634.1 | 596.0 | 582.4 | 568.9 | 582.4 | 596.0 | 634.1 | 680.3 | 684.0 |
| 52.5° | 667.9 | 660.5 | 598.9 | 550.5 | 541.4 | 532.2 | 541.4 | 550.5 | 598.9 | 660.5 | 667.9 |
| 55° | 648.9 | 639.0 | 554.5 | 490.7 | 488.9 | 487.0 | 488.9 | 490.7 | 554.5 | 639.0 | 648.9 |
| 57.5° | 576.2 | 565.8 | 492.6 | 438.4 | 441.6 | 444.8 | 441.6 | 438.4 | 492.6 | 565.8 | 576.2 |
| 60° | 504.9 | 495.0 | 444.5 | 405.6 | 401.9 | 398.2 | 401.9 | 405.6 | 444.5 | 495.0 | 504.9 |
| 62.5° | 438.2 | 426.6 | 392.3 | 365.6 | 361.9 | 358.2 | 361.9 | 365.6 | 392.3 | 426.6 | 438.2 |
| 65° | 359.0 | 342.4 | 314.0 | 292.8 | 292.8 | 292.8 | 292.8 | 292.8 | 314.0 | 342.4 | 359.0 |
| 67.5° | 294.6 | 278.1 | 256.5 | 236.6 | 221.8 | 207.0 | 221.8 | 236.6 | 256.5 | 278.1 | 294.6 |
| 70° | 253.3 | 233.6 | 209.5 | 189.0 | 179.1 | 169.3 | 179.1 | 189.0 | 209.5 | 233.6 | 253.3 |
| 72.5° | 210.6 | 191.4 | 171.8 | 154.2 | 142.9 | 131.5 | 142.9 | 154.2 | 171.8 | 191.4 | 210.6 |
| 75° | 150.6 | 131.2 | 113.3 | 99.6 | 98.4 | 97.1 | 98.4 | 99.6 | 113.3 | 131.2 | 150.6 |
| 77.5° | 103.4 | 89.8 | 80.8 | 74.1 | 74.2 | 74.4 | 74.2 | 74.1 | 80.8 | 89.8 | 103.4 |
| 80° | 70.3 | 60.7 | 60.1 | 59.8 | 60.4 | 61.0 | 60.4 | 59.8 | 60.1 | 60.7 | 70.3 |
| 82.5° | 51.1 | 45.9 | 46.8 | 47.5 | 47.6 | 47.7 | 47.6 | 47.5 | 46.8 | 45.9 | 51.1 |
| 85° | 28.4 | 26.5 | 24.0 | 22.0 | 21.4 | 20.8 | 21.4 | 22.0 | 24.0 | 26.5 | 28.4 |
| 87.5° | 7.8 | 7.5 | 7.9 | 8.2 | 8.4 | 8.3 | 8.4 | 8.2 | 7.9 | 7.5 | 7.8 |
| 90° | 7.4 | 9.7 | 11.9 | 13.2 | 14.5 | 13.8 | 14.5 | 13.2 | 11.9 | 9.7 | 7.4 |
| 92.5° | 14.9 | 18.7 | 21.5 | 23.8 | 24.8 | 24.7 | 24.8 | 23.8 | 21.5 | 18.7 | 14.9 |
| 95° | 30.0 | 34.5 | 39.0 | 42.2 | 44.1 | 43.5 | 44.1 | 42.2 | 39.0 | 34.5 | 30.0 |
| 97.5° | 46.2 | 52.2 | 57.3 | 60.3 | 62.2 | 63.5 | 62.2 | 60.3 | 57.3 | 52.2 | 46.2 |
| 100° | 57.0 | 62.8 | 68.6 | 72.1 | 75.4 | 76.7 | 75.4 | 72.1 | 68.6 | 62.8 | 57.0 |
| 102.5° | 65.8 | 73.4 | 79.7 | 83.5 | 86.2 | 87.5 | 86.2 | 83.5 | 79.7 | 73.4 | 65.8 |
| 105° | 80.2 | 88.3 | 95.0 | 99.8 | 102.7 | 103.7 | 102.7 | 99.8 | 95.0 | 88.3 | 80.2 |
| 107.5° | 94.6 | 102.9 | 109.2 | 114.5 | 118.1 | 120.1 | 118.1 | 114.5 | 109.2 | 102.9 | 94.6 |
| 110° | 106.0 | 112.7 | 119.5 | 124.3 | 127.9 | 129.2 | 127.9 | 124.3 | 119.5 | 112.7 | 106.0 |



TEST NUMBER: P1427852

CATALOG NUMBER: SQ2W-PH1-K-025U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 220° | 230° | 240° | 250° | 260° | 270° | 280° | 290° | 300° | 310° | 320° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 115.5 | 123.0 | 129.8 | 134.6 | 138.7 | 140.5 | 138.7 | 134.6 | 129.8 | 123.0 | 115.5 |
| 115° | 128.8 | 138.8 | 144.9 | 149.4 | 152.3 | 154.0 | 152.3 | 149.4 | 144.9 | 138.8 | 128.8 |
| 117.5° | 139.9 | 150.3 | 157.0 | 160.5 | 161.9 | 163.0 | 161.9 | 160.5 | 157.0 | 150.3 | 139.9 |
| 120° | 146.9 | 156.5 | 164.3 | 168.8 | 170.4 | 171.0 | 170.4 | 168.8 | 164.3 | 156.5 | 146.9 |
| 122.5° | 153.3 | 162.5 | 169.9 | 175.5 | 178.1 | 178.8 | 178.1 | 175.5 | 169.9 | 162.5 | 153.3 |
| 125° | 162.3 | 171.0 | 178.8 | 184.2 | 187.1 | 188.7 | 187.1 | 184.2 | 178.8 | 171.0 | 162.3 |
| 127.5° | 170.2 | 179.6 | 186.7 | 191.6 | 194.5 | 195.8 | 194.5 | 191.6 | 186.7 | 179.6 | 170.2 |
| 130° | 174.6 | 184.2 | 191.3 | 196.8 | 199.4 | 200.7 | 199.4 | 196.8 | 191.3 | 184.2 | 174.6 |
| 132.5° | 177.9 | 188.1 | 195.4 | 200.4 | 203.2 | 204.5 | 203.2 | 200.4 | 195.4 | 188.1 | 177.9 |
| 135° | 182.0 | 192.6 | 200.3 | 205.2 | 207.7 | 209.0 | 207.7 | 205.2 | 200.3 | 192.6 | 182.0 |
| 137.5° | 185.5 | 195.2 | 203.2 | 208.3 | 210.6 | 211.5 | 210.6 | 208.3 | 203.2 | 195.2 | 185.5 |
| 140° | 188.1 | 196.5 | 204.5 | 209.4 | 211.9 | 212.3 | 211.9 | 209.4 | 204.5 | 196.5 | 188.1 |
| 142.5° | 191.4 | 198.0 | 205.0 | 209.9 | 212.4 | 213.0 | 212.4 | 209.9 | 205.0 | 198.0 | 191.4 |
| 145° | 197.4 | 201.3 | 206.1 | 210.6 | 212.9 | 213.5 | 212.9 | 210.6 | 206.1 | 201.3 | 197.4 |
| 147.5° | 205.0 | 206.2 | 208.7 | 211.7 | 213.9 | 214.3 | 213.9 | 211.7 | 208.7 | 206.2 | 205.0 |
| 150° | 210.6 | 210.3 | 211.3 | 213.2 | 215.2 | 214.8 | 215.2 | 213.2 | 211.3 | 210.3 | 210.6 |
| 152.5° | 217.1 | 215.2 | 215.2 | 216.1 | 217.0 | 216.9 | 217.0 | 216.1 | 215.2 | 215.2 | 217.1 |
| 155° | 228.0 | 224.5 | 222.6 | 221.9 | 221.9 | 221.6 | 221.9 | 221.9 | 222.6 | 224.5 | 228.0 |
| 157.5° | 240.1 | 235.1 | 232.2 | 230.7 | 230.2 | 229.5 | 230.2 | 230.7 | 232.2 | 235.1 | 240.1 |
| 160° | 248.3 | 242.9 | 240.0 | 237.4 | 236.4 | 235.4 | 236.4 | 237.4 | 240.0 | 242.9 | 248.3 |
| 162.5° | 256.1 | 250.8 | 247.7 | 245.4 | 244.4 | 242.9 | 244.4 | 245.4 | 247.7 | 250.8 | 256.1 |
| 165° | 268.6 | 263.1 | 259.6 | 257.7 | 256.4 | 255.1 | 256.4 | 257.7 | 259.6 | 263.1 | 268.6 |
| 167.5° | 281.2 | 275.2 | 272.9 | 270.7 | 269.5 | 267.1 | 269.5 | 270.7 | 272.9 | 275.2 | 281.2 |
| 170° | 288.9 | 283.4 | 282.1 | 280.2 | 278.0 | 275.4 | 278.0 | 280.2 | 282.1 | 283.4 | 288.9 |
| 172.5° | 295.6 | 291.9 | 290.6 | 288.7 | 288.0 | 285.9 | 288.0 | 288.7 | 290.6 | 291.9 | 295.6 |
| 175° | 305.3 | 302.4 | 302.4 | 302.1 | 301.1 | 299.2 | 301.1 | 302.1 | 302.4 | 302.4 | 305.3 |
| 177.5° | 313.5 | 311.9 | 312.9 | 312.9 | 312.7 | 310.9 | 312.7 | 312.9 | 312.9 | 311.9 | 313.5 |
| 180° | 318.9 | 318.9 | 318.9 | 318.9 | 318.9 | 318.9 | 318.9 | 318.9 | 318.9 | 318.9 | 318.9 |



TEST NUMBER: P1427852

CATALOG NUMBER: SQ2W-PH1-K-025U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 330° | 340° | 350° | 360° |
|--------|--------|--------|--------|--------|
| 0° | 1458.2 | 1458.2 | 1458.2 | 1458.2 |
| 2.5° | 1459.0 | 1468.7 | 1461.8 | 1454.9 |
| 5° | 1430.9 | 1459.8 | 1460.4 | 1461.0 |
| 7.5° | 1357.4 | 1396.1 | 1415.2 | 1434.4 |
| 10° | 1309.3 | 1353.1 | 1382.1 | 1411.1 |
| 12.5° | 1266.0 | 1314.0 | 1359.8 | 1405.5 |
| 15° | 1203.4 | 1252.1 | 1321.2 | 1390.2 |
| 17.5° | 1148.2 | 1191.0 | 1265.4 | 1339.7 |
| 20° | 1117.8 | 1157.5 | 1230.8 | 1304.2 |
| 22.5° | 1090.5 | 1125.5 | 1199.9 | 1274.3 |
| 25° | 1041.5 | 1067.1 | 1151.0 | 1234.8 |
| 27.5° | 996.1 | 1012.5 | 1100.1 | 1187.7 |
| 30° | 966.1 | 979.2 | 1066.8 | 1154.4 |
| 32.5° | 931.7 | 941.1 | 1031.7 | 1122.2 |
| 35° | 887.5 | 894.9 | 989.3 | 1083.6 |
| 37.5° | 837.5 | 840.8 | 942.0 | 1043.1 |
| 40° | 802.0 | 802.1 | 908.2 | 1014.2 |
| 42.5° | 767.9 | 771.0 | 877.1 | 983.2 |
| 45° | 711.8 | 715.8 | 826.2 | 936.5 |
| 47.5° | 670.3 | 671.2 | 776.4 | 881.6 |
| 50° | 645.2 | 640.9 | 740.1 | 839.4 |
| 52.5° | 621.1 | 609.7 | 704.0 | 798.4 |
| 55° | 584.1 | 558.2 | 648.9 | 739.5 |
| 57.5° | 523.6 | 505.7 | 591.4 | 677.1 |
| 60° | 474.1 | 471.7 | 555.0 | 638.2 |
| 62.5° | 427.1 | 438.6 | 517.9 | 597.2 |
| 65° | 364.0 | 385.7 | 457.9 | 530.0 |
| 67.5° | 306.1 | 330.4 | 393.3 | 456.2 |
| 70° | 268.7 | 294.1 | 349.6 | 405.1 |
| 72.5° | 229.5 | 255.5 | 303.1 | 350.8 |
| 75° | 171.6 | 196.9 | 235.1 | 273.3 |
| 77.5° | 121.4 | 141.8 | 169.7 | 197.6 |
| 80° | 88.8 | 107.9 | 128.9 | 149.8 |
| 82.5° | 62.2 | 74.4 | 89.9 | 105.4 |
| 85° | 29.6 | 32.4 | 39.8 | 47.2 |
| 87.5° | 8.9 | 9.7 | 9.9 | 10.2 |
| 90° | 5.8 | 3.5 | 2.3 | 1.0 |
| 92.5° | 12.5 | 8.7 | 6.1 | 3.5 |
| 95° | 25.1 | 20.0 | 14.2 | 10.0 |
| 97.5° | 40.0 | 31.7 | 26.0 | 19.1 |
| 100° | 48.0 | 39.9 | 34.5 | 27.1 |
| 102.5° | 56.8 | 50.0 | 42.5 | 35.0 |
| 105° | 72.5 | 64.1 | 55.4 | 47.0 |
| 107.5° | 87.0 | 77.8 | 67.4 | 59.8 |
| 110° | 96.3 | 86.3 | 75.4 | 68.6 |



TEST NUMBER: P1427852

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CANDELA DISTRIBUTION (continued):

| | 330° | 340° | 350° | 360° |
|--------|-------|-------|-------|-------|
| 112.5° | 105.3 | 95.1 | 83.9 | 77.1 |
| 115° | 117.6 | 106.3 | 96.0 | 90.2 |
| 117.5° | 129.3 | 117.8 | 106.9 | 102.3 |
| 120° | 136.6 | 125.0 | 114.3 | 110.8 |
| 122.5° | 142.5 | 131.2 | 121.3 | 119.8 |
| 125° | 151.4 | 139.8 | 131.4 | 133.3 |
| 127.5° | 158.6 | 148.0 | 142.7 | 147.0 |
| 130° | 163.0 | 153.6 | 150.4 | 156.5 |
| 132.5° | 166.8 | 159.6 | 158.1 | 166.6 |
| 135° | 172.6 | 168.5 | 169.7 | 181.3 |
| 137.5° | 179.5 | 177.9 | 182.2 | 196.9 |
| 140° | 183.9 | 184.9 | 191.0 | 207.4 |
| 142.5° | 189.8 | 192.1 | 200.0 | 217.5 |
| 145° | 199.0 | 203.9 | 214.2 | 231.6 |
| 147.5° | 209.5 | 215.7 | 228.5 | 246.3 |
| 150° | 216.4 | 224.5 | 238.0 | 255.1 |
| 152.5° | 224.4 | 232.7 | 246.3 | 263.6 |
| 155° | 236.7 | 246.1 | 260.2 | 275.1 |
| 157.5° | 249.3 | 258.8 | 272.4 | 285.3 |
| 160° | 257.0 | 267.3 | 279.6 | 291.5 |
| 162.5° | 265.8 | 275.3 | 286.0 | 296.6 |
| 165° | 278.6 | 286.3 | 295.0 | 304.0 |
| 167.5° | 289.4 | 295.8 | 302.6 | 309.7 |
| 170° | 296.3 | 301.5 | 307.3 | 312.7 |
| 172.5° | 302.2 | 306.4 | 310.6 | 315.3 |
| 175° | 310.2 | 312.4 | 315.0 | 317.9 |
| 177.5° | 316.3 | 317.1 | 317.8 | 319.1 |
| 180° | 318.9 | 318.9 | 318.9 | 318.9 |



TEST NUMBER: P1427852
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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 | 20.10 | 21.26 | 20.78 | 21.96 | 22.77 | 18.93 | 20.09 | 19.61 | 20.79 | 21.60 |
| | 3H | 22.30 | 23.34 | 22.99 | 24.05 | 24.90 | 20.00 | 21.05 | 20.69 | 21.75 | 22.60 |
| | 4H | 23.12 | 24.11 | 23.84 | 24.83 | 25.69 | 20.26 | 21.24 | 20.97 | 21.96 | 22.82 |
| | 6H | 23.61 | 24.51 | 24.33 | 25.24 | 26.12 | 20.42 | 21.32 | 21.14 | 22.05 | 22.93 |
| | 8H | 23.77 | 24.63 | 24.50 | 25.38 | 26.26 | 20.48 | 21.35 | 21.22 | 22.09 | 22.97 |
| | 12H | 23.84 | 24.66 | 24.58 | 25.40 | 26.31 | 20.50 | 21.33 | 21.25 | 22.07 | 22.97 |
| 4H | 2H | 20.57 | 21.56 | 21.29 | 22.27 | 23.13 | 19.65 | 20.63 | 20.36 | 21.35 | 22.21 |
| | 3H | 22.85 | 23.67 | 23.58 | 24.42 | 25.30 | 20.91 | 21.72 | 21.63 | 22.48 | 23.36 |
| | 4H | 23.74 | 24.48 | 24.48 | 25.23 | 26.14 | 21.21 | 21.95 | 21.95 | 22.71 | 23.62 |
| | 6H | 24.31 | 24.96 | 25.08 | 25.74 | 26.65 | 21.43 | 22.07 | 22.19 | 22.85 | 23.76 |
| | 8H | 24.52 | 25.12 | 25.29 | 25.90 | 26.83 | 21.52 | 22.12 | 22.29 | 22.90 | 23.83 |
| | 12H | 24.62 | 25.16 | 25.41 | 25.96 | 26.89 | 21.56 | 22.10 | 22.35 | 22.90 | 23.83 |
| 8H | 4H | 23.78 | 24.38 | 24.55 | 25.16 | 26.09 | 21.46 | 22.06 | 22.23 | 22.84 | 23.77 |
| | 6H | 24.42 | 24.92 | 25.22 | 25.74 | 26.67 | 21.74 | 22.24 | 22.54 | 23.06 | 23.99 |
| | 8H | 24.69 | 25.13 | 25.50 | 25.95 | 26.90 | 21.89 | 22.33 | 22.70 | 23.15 | 24.10 |
| | 12H | 24.84 | 25.22 | 25.65 | 26.03 | 27.04 | 21.97 | 22.36 | 22.78 | 23.17 | 24.17 |
| 12H | 4H | 23.75 | 24.29 | 24.54 | 25.09 | 26.02 | 21.47 | 22.01 | 22.26 | 22.81 | 23.75 |
| | 6H | 24.40 | 24.85 | 25.21 | 25.66 | 26.61 | 21.78 | 22.22 | 22.59 | 23.04 | 23.99 |
| | 8H | 24.69 | 25.08 | 25.50 | 25.89 | 26.89 | 21.96 | 22.35 | 22.77 | 23.15 | 24.16 |