

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



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

Test Report Prepared for  
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1427521

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

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1427521  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G3-2104-222-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/10/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ2W-BBM-K-075U-050D-L940-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - BLACK DISCREET BAFFLE, MEDIUM 80-DEGREE OPTIC  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 500 LUMENS PER FOOT  
UPLIGHT 750 LUMENS PER FOOT  
Light Source: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

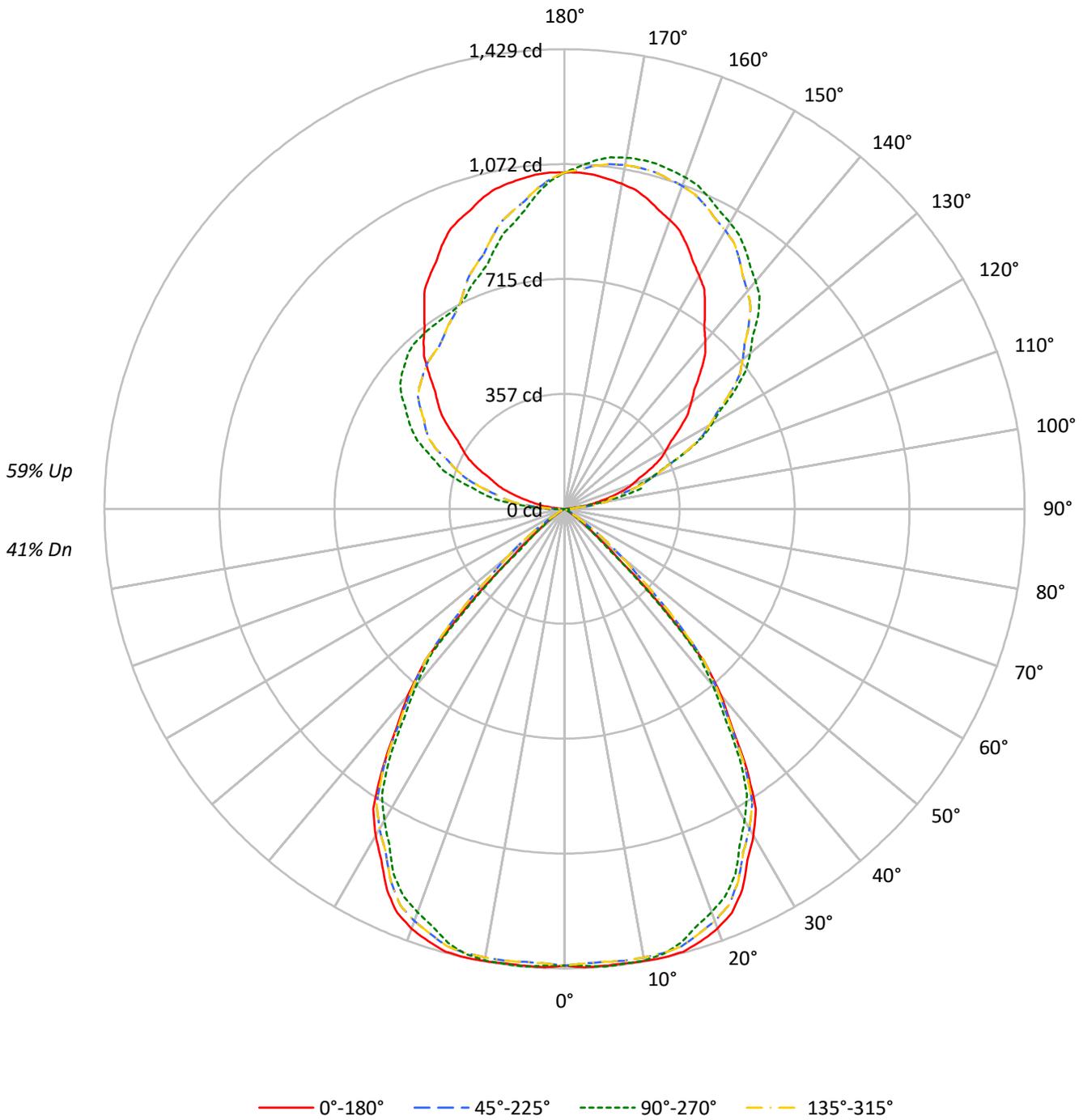
Lumens per Lamp: N/A  
Luminaire Lumens: 5182.3 lumens  
Efficiency: N/A  
Efficacy: 124.3 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.17 / 1.16  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 41.7  
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: P1427521

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

### Luminous Intensity Polar Plot





TEST NUMBER: P1427521

CATALOG NUMBER: SQ2W-BBM-K-075U-050D-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   | 105 | 105 | 105 | 105 | 96 | 96 | 96 | 96 | 78 | 78 | 78 | 63 | 63 | 63 | 48 | 48 | 48 | 41 |
| 1   | 97  | 94  | 90  | 88  | 89 | 86 | 83 | 81 | 71 | 69 | 67 | 57 | 56 | 55 | 45 | 44 | 44 | 38 |
| 2   | 90  | 84  | 79  | 74  | 82 | 77 | 73 | 69 | 64 | 61 | 59 | 52 | 50 | 49 | 42 | 40 | 39 | 34 |
| 3   | 83  | 75  | 69  | 64  | 76 | 69 | 64 | 60 | 58 | 54 | 51 | 48 | 45 | 43 | 38 | 37 | 36 | 31 |
| 4   | 77  | 68  | 61  | 56  | 71 | 63 | 57 | 52 | 53 | 49 | 45 | 44 | 41 | 39 | 36 | 34 | 32 | 29 |
| 5   | 71  | 61  | 54  | 49  | 65 | 57 | 51 | 46 | 48 | 44 | 40 | 40 | 37 | 35 | 33 | 31 | 29 | 26 |
| 6   | 66  | 56  | 49  | 43  | 61 | 52 | 45 | 41 | 44 | 40 | 36 | 37 | 34 | 31 | 31 | 28 | 27 | 24 |
| 7   | 62  | 51  | 44  | 39  | 57 | 47 | 41 | 37 | 41 | 36 | 32 | 34 | 31 | 28 | 28 | 26 | 24 | 22 |
| 8   | 58  | 46  | 39  | 35  | 53 | 43 | 37 | 33 | 37 | 33 | 29 | 32 | 28 | 26 | 26 | 24 | 22 | 20 |
| 9   | 54  | 43  | 36  | 31  | 49 | 40 | 34 | 30 | 34 | 30 | 27 | 29 | 26 | 24 | 25 | 22 | 21 | 18 |
| 10  | 50  | 39  | 33  | 28  | 46 | 37 | 31 | 27 | 32 | 27 | 24 | 27 | 24 | 22 | 23 | 21 | 19 | 17 |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 22936 | 22936 | 22936 | 22936 |
| 5°  | 23116 | 23152 | 23116 | 23152 |
| 10° | 23407 | 23372 | 23407 | 23372 |
| 15° | 23829 | 23354 | 23829 | 23354 |
| 20° | 23860 | 22931 | 23860 | 22931 |
| 25° | 23269 | 22357 | 23269 | 22357 |
| 30° | 21874 | 20854 | 21874 | 20854 |
| 35° | 19414 | 18685 | 19414 | 18685 |
| 40° | 15921 | 15068 | 15921 | 15068 |
| 45° | 9492  | 8910  | 9492  | 8910  |
| 50° | 2964  | 2803  | 2964  | 2803  |
| 55° | 1120  | 1120  | 1120  | 1120  |
| 60° | 68    | 23    | 68    | 23    |
| 65° | 0     | 0     | 0     | 0     |
| 70° | 0     | 0     | 0     | 0     |
| 75° | 0     | 0     | 0     | 0     |
| 80° | 0     | 0     | 0     | 0     |
| 85° | 0     | 0     | 0     | 0     |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 40°  
 Vertical Angle: 45°  
 Luminance: 11113 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 135.8  | 2.6       |
| 10°-20°   | 397.9  | 7.7       |
| 20°-30°   | 585.4  | 11.3      |
| 30°-40°   | 598.3  | 11.5      |
| 40°-50°   | 344.7  | 6.7       |
| 50°-60°   | 59.3   | 1.1       |
| 60°-70°   | 2.1    | 0.0       |
| 70°-80°   | 0.0    | 0.0       |
| 80°-90°   | 5.5    | 0.1       |
| 90°-100°  | 83.3   | 1.6       |
| 100°-110° | 242.8  | 4.7       |
| 110°-120° | 396.2  | 7.6       |
| 120°-130° | 502.8  | 9.7       |
| 130°-140° | 538.0  | 10.4      |
| 140°-150° | 502.4  | 9.7       |
| 150°-160° | 413.4  | 8.0       |
| 160°-170° | 277.2  | 5.3       |
| 170°-180° | 98.4   | 1.9       |
| 0°-30°    | 1119.1 | 21.6      |
| 0°-40°    | 1717.4 | 33.1      |
| 0°-60°    | 2121.4 | 40.9      |
| 0°-90°    | 2129.0 | 41.1      |
| 90°-120°  | 722.3  | 13.9      |
| 90°-150°  | 2265.4 | 43.7      |
| 90°-180°  | 3054.0 | 58.9      |
| 0°-180°   | 5182.3 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 1421 | 1421 | 1421 | 1421 | 1421 |      |
| 5°   | 1426 | 1428 | 1426 | 1428 | 1426 | 136  |
| 15°  | 1426 | 1397 | 1426 | 1397 | 1426 | 401  |
| 25°  | 1306 | 1255 | 1306 | 1255 | 1306 | 596  |
| 35°  | 985  | 948  | 985  | 948  | 985  | 608  |
| 45°  | 416  | 390  | 416  | 390  | 416  | 322  |
| 55°  | 40   | 40   | 40   | 40   | 40   | 42   |
| 65°  | 0    | 0    | 0    | 0    | 0    | 0    |
| 75°  | 0    | 0    | 0    | 0    | 0    | 0    |
| 85°  | 0    | 0    | 0    | 0    | 0    | 0    |
| 90°  | 3    | 23   | 3    | 45   | 3    | 3    |
| 95°  | 33   | 24   | 33   | 143  | 33   | 40   |
| 105° | 154  | 247  | 154  | 340  | 154  | 164  |
| 115° | 296  | 410  | 296  | 505  | 296  | 292  |
| 125° | 438  | 650  | 438  | 619  | 438  | 391  |
| 135° | 595  | 851  | 595  | 686  | 595  | 460  |
| 145° | 760  | 981  | 760  | 701  | 760  | 475  |
| 155° | 902  | 1065 | 902  | 727  | 902  | 415  |
| 165° | 998  | 1111 | 998  | 837  | 998  | 281  |
| 175° | 1043 | 1087 | 1043 | 982  | 1043 | 99   |
| 180° | 1046 | 1046 | 1046 | 1046 | 1046 |      |



TEST NUMBER: P1427521

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

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 10°    | 20°    | 30°    | 40°    | 50°    | 60°    | 70°    | 80°    | 90°    | 100°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1420.6 | 1420.6 | 1420.6 | 1420.6 | 1420.6 | 1420.6 | 1420.6 | 1420.6 | 1420.6 | 1420.6 | 1420.6 |
| 2.5°   | 1426.9 | 1425.1 | 1423.4 | 1419.1 | 1414.1 | 1414.4 | 1420.3 | 1424.3 | 1423.0 | 1421.8 | 1423.0 |
| 5°     | 1426.3 | 1424.7 | 1423.2 | 1418.7 | 1413.4 | 1414.9 | 1423.5 | 1429.7 | 1429.1 | 1428.5 | 1429.1 |
| 7.5°   | 1425.5 | 1424.4 | 1423.3 | 1420.2 | 1416.4 | 1418.0 | 1425.0 | 1429.9 | 1428.3 | 1426.7 | 1428.3 |
| 10°    | 1427.7 | 1427.4 | 1427.1 | 1422.3 | 1416.0 | 1416.4 | 1423.7 | 1428.8 | 1427.2 | 1425.6 | 1427.2 |
| 12.5°  | 1428.9 | 1430.8 | 1432.8 | 1425.9 | 1416.0 | 1414.0 | 1419.7 | 1423.3 | 1420.5 | 1417.6 | 1420.5 |
| 15°    | 1425.6 | 1431.0 | 1436.3 | 1426.6 | 1411.7 | 1404.8 | 1405.7 | 1405.4 | 1401.3 | 1397.2 | 1401.3 |
| 17.5°  | 1409.7 | 1417.3 | 1424.9 | 1411.9 | 1392.1 | 1380.5 | 1377.0 | 1373.0 | 1367.2 | 1361.4 | 1367.2 |
| 20°    | 1388.7 | 1397.5 | 1406.3 | 1392.2 | 1370.4 | 1356.5 | 1350.5 | 1344.8 | 1339.7 | 1334.6 | 1339.7 |
| 22.5°  | 1359.1 | 1367.2 | 1375.3 | 1361.7 | 1340.9 | 1326.8 | 1319.2 | 1312.6 | 1308.6 | 1304.5 | 1308.6 |
| 25°    | 1306.2 | 1311.6 | 1317.0 | 1303.1 | 1282.9 | 1270.0 | 1264.3 | 1259.5 | 1257.3 | 1255.0 | 1257.3 |
| 27.5°  | 1231.3 | 1232.8 | 1234.3 | 1223.4 | 1208.2 | 1197.1 | 1190.0 | 1184.0 | 1181.1 | 1178.3 | 1181.1 |
| 30°    | 1173.3 | 1173.3 | 1173.3 | 1164.8 | 1153.4 | 1143.9 | 1136.4 | 1129.3 | 1124.0 | 1118.6 | 1124.0 |
| 32.5°  | 1105.7 | 1104.9 | 1104.1 | 1097.9 | 1089.8 | 1081.6 | 1073.3 | 1065.7 | 1060.3 | 1054.9 | 1060.3 |
| 35°    | 985.0  | 988.5  | 991.9  | 987.6  | 980.6  | 973.1  | 964.9  | 957.5  | 952.8  | 948.0  | 952.8  |
| 37.5°  | 854.4  | 855.7  | 857.0  | 853.4  | 848.2  | 841.1  | 832.3  | 824.7  | 820.7  | 816.7  | 820.7  |
| 40°    | 755.4  | 755.8  | 756.1  | 751.7  | 745.7  | 739.5  | 733.2  | 726.9  | 720.9  | 714.9  | 720.9  |
| 42.5°  | 640.0  | 646.4  | 652.8  | 650.1  | 644.3  | 636.4  | 626.3  | 618.1  | 615.6  | 613.2  | 615.6  |
| 45°    | 415.7  | 443.9  | 472.0  | 482.3  | 486.7  | 483.3  | 471.9  | 455.2  | 422.7  | 390.2  | 422.7  |
| 47.5°  | 208.9  | 243.9  | 278.9  | 303.2  | 323.8  | 318.0  | 285.5  | 252.6  | 218.2  | 183.8  | 218.2  |
| 50°    | 118.0  | 138.8  | 159.7  | 192.1  | 228.4  | 222.4  | 174.1  | 134.9  | 123.3  | 111.6  | 123.3  |
| 52.5°  | 78.7   | 88.0   | 97.2   | 123.3  | 155.1  | 153.0  | 117.1  | 88.5   | 81.8   | 75.2   | 81.8   |
| 55°    | 39.8   | 42.3   | 44.9   | 56.4   | 70.9   | 70.6   | 55.4   | 43.6   | 41.7   | 39.8   | 41.7   |
| 57.5°  | 13.5   | 16.9   | 20.3   | 25.4   | 31.1   | 31.3   | 25.9   | 21.1   | 18.0   | 14.9   | 18.0   |
| 60°    | 2.1    | 5.3    | 8.4    | 12.6   | 17.0   | 16.5   | 11.1   | 6.4    | 3.6    | 0.7    | 3.6    |
| 62.5°  | 0.4    | 1.3    | 2.2    | 5.5    | 9.7    | 9.6    | 5.3    | 1.8    | 1.0    | 0.1    | 1.0    |
| 65°    | 0.0    | 0.0    | 0.0    | 0.2    | 0.6    | 0.6    | 0.2    | 0.0    | 0.0    | 0.0    | 0.0    |
| 67.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 70°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 72.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 75°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 77.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 80°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 82.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5°  | 0.6    | 1.5    | 2.5    | 3.4    | 4.0    | 4.2    | 4.2    | 4.4    | 4.6    | 4.6    | 4.6    |
| 90°    | 3.2    | 7.4    | 12.7   | 16.9   | 20.1   | 21.1   | 21.1   | 22.2   | 23.2   | 23.2   | 23.2   |
| 92.5°  | 11.6   | 18.4   | 18.6   | 18.6   | 22.6   | 24.5   | 26.2   | 26.4   | 27.5   | 27.5   | 27.5   |
| 95°    | 32.8   | 35.9   | 53.9   | 52.8   | 35.9   | 28.5   | 24.3   | 24.3   | 24.3   | 24.3   | 24.3   |
| 97.5°  | 62.6   | 67.2   | 70.2   | 94.0   | 99.3   | 95.9   | 78.2   | 65.7   | 58.8   | 55.6   | 58.8   |
| 100°   | 88.8   | 90.9   | 97.2   | 98.3   | 124.7  | 150.0  | 137.4  | 121.5  | 116.2  | 113.1  | 116.2  |
| 102.5° | 115.0  | 116.2  | 126.0  | 130.4  | 136.5  | 150.9  | 194.9  | 190.0  | 186.4  | 185.8  | 186.4  |
| 105°   | 154.3  | 155.3  | 173.3  | 181.7  | 186.0  | 186.0  | 184.9  | 206.1  | 239.9  | 247.3  | 239.9  |
| 107.5° | 196.3  | 201.2  | 222.3  | 244.9  | 249.8  | 251.1  | 245.6  | 242.4  | 241.1  | 242.0  | 241.1  |
| 110°   | 225.1  | 232.5  | 257.8  | 286.4  | 293.8  | 295.9  | 293.8  | 290.6  | 288.5  | 288.5  | 288.5  |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 10°    | 20°    | 30°    | 40°    | 50°    | 60°    | 70°    | 80°    | 90°    | 100°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 253.0  | 263.7  | 292.5  | 325.2  | 337.7  | 344.1  | 339.4  | 337.1  | 335.0  | 336.7  | 335.0  |
| 115°   | 295.9  | 311.7  | 349.8  | 383.6  | 408.9  | 412.1  | 411.0  | 411.0  | 410.0  | 410.0  | 410.0  |
| 117.5° | 335.6  | 361.0  | 403.7  | 443.0  | 472.3  | 480.8  | 485.0  | 483.7  | 482.5  | 484.6  | 482.5  |
| 120°   | 363.5  | 393.1  | 441.7  | 486.1  | 514.6  | 527.3  | 531.5  | 529.4  | 531.5  | 529.4  | 531.5  |
| 122.5° | 393.1  | 429.4  | 477.2  | 523.3  | 556.9  | 571.2  | 576.3  | 576.7  | 577.2  | 575.9  | 577.2  |
| 125°   | 437.5  | 481.8  | 537.8  | 585.4  | 620.3  | 637.2  | 641.4  | 642.5  | 644.6  | 649.9  | 644.6  |
| 127.5° | 482.3  | 532.6  | 594.1  | 639.9  | 675.6  | 696.1  | 702.7  | 705.0  | 709.5  | 711.8  | 709.5  |
| 130°   | 513.5  | 570.6  | 632.9  | 676.3  | 711.1  | 733.3  | 745.0  | 748.1  | 753.4  | 752.4  | 753.4  |
| 132.5° | 546.5  | 606.1  | 669.3  | 714.3  | 746.6  | 770.5  | 780.5  | 789.5  | 791.5  | 792.9  | 791.5  |
| 135°   | 594.9  | 659.4  | 722.8  | 767.1  | 797.8  | 821.0  | 833.7  | 842.2  | 847.5  | 850.6  | 847.5  |
| 137.5° | 645.8  | 713.9  | 774.8  | 814.3  | 845.1  | 865.2  | 879.6  | 888.5  | 893.9  | 896.5  | 893.9  |
| 140°   | 680.5  | 746.0  | 805.2  | 846.4  | 873.9  | 893.9  | 906.6  | 917.2  | 923.5  | 923.5  | 923.5  |
| 142.5° | 713.5  | 778.1  | 835.6  | 876.8  | 900.9  | 919.3  | 932.8  | 940.9  | 948.0  | 948.0  | 948.0  |
| 145°   | 759.7  | 824.2  | 877.0  | 918.3  | 938.3  | 955.2  | 970.0  | 976.4  | 980.6  | 980.6  | 980.6  |
| 147.5° | 808.1  | 865.2  | 913.4  | 952.9  | 969.8  | 989.7  | 1001.3 | 1006.4 | 1011.7 | 1009.3 | 1011.7 |
| 150°   | 836.9  | 889.7  | 936.2  | 973.2  | 990.1  | 1009.1 | 1020.7 | 1025.0 | 1030.3 | 1027.1 | 1030.3 |
| 152.5° | 864.8  | 915.1  | 957.3  | 991.8  | 1006.2 | 1025.2 | 1038.5 | 1042.7 | 1046.3 | 1044.0 | 1046.3 |
| 155°   | 902.4  | 946.8  | 985.9  | 1017.6 | 1030.3 | 1048.2 | 1060.9 | 1066.2 | 1070.4 | 1065.1 | 1070.4 |
| 157.5° | 936.0  | 974.3  | 1008.3 | 1037.4 | 1051.0 | 1066.4 | 1078.2 | 1084.8 | 1089.0 | 1086.7 | 1089.0 |
| 160°   | 956.3  | 991.2  | 1021.8 | 1049.3 | 1062.0 | 1075.7 | 1088.4 | 1095.8 | 1100.0 | 1096.8 | 1100.0 |
| 162.5° | 973.2  | 1004.7 | 1033.6 | 1058.6 | 1069.6 | 1081.6 | 1096.8 | 1103.4 | 1107.6 | 1103.6 | 1107.6 |
| 165°   | 997.5  | 1022.9 | 1048.2 | 1069.4 | 1078.9 | 1088.4 | 1104.2 | 1111.6 | 1114.8 | 1110.6 | 1114.8 |
| 167.5° | 1015.9 | 1035.3 | 1055.8 | 1074.0 | 1081.0 | 1090.3 | 1106.1 | 1112.3 | 1116.3 | 1111.0 | 1116.3 |
| 170°   | 1026.0 | 1042.9 | 1060.9 | 1075.7 | 1081.0 | 1089.4 | 1105.3 | 1110.6 | 1113.7 | 1108.5 | 1113.7 |
| 172.5° | 1034.5 | 1047.2 | 1061.7 | 1074.9 | 1077.6 | 1084.4 | 1099.4 | 1104.6 | 1107.0 | 1102.5 | 1107.0 |
| 175°   | 1042.9 | 1050.3 | 1060.9 | 1069.4 | 1068.3 | 1072.5 | 1085.2 | 1089.4 | 1093.7 | 1087.3 | 1093.7 |
| 177.5° | 1047.0 | 1050.3 | 1053.7 | 1058.8 | 1055.4 | 1055.4 | 1064.7 | 1067.2 | 1068.1 | 1064.7 | 1068.1 |
| 180°   | 1046.1 | 1046.1 | 1046.1 | 1046.1 | 1046.1 | 1046.1 | 1046.1 | 1046.1 | 1046.1 | 1046.1 | 1046.1 |



TEST NUMBER: P1427521

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

**CANDELA DISTRIBUTION (continued):**

|        | 110°   | 120°   | 130°   | 140°   | 150°   | 160°   | 170°   | 180°   | 190°   | 200°   | 210°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1420.6 | 1420.6 | 1420.6 | 1420.6 | 1420.6 | 1420.6 | 1420.6 | 1420.6 | 1420.6 | 1420.6 | 1420.6 |
| 2.5°   | 1424.3 | 1420.3 | 1414.4 | 1414.1 | 1419.1 | 1423.4 | 1425.1 | 1426.9 | 1425.1 | 1423.4 | 1419.1 |
| 5°     | 1429.7 | 1423.5 | 1414.9 | 1413.4 | 1418.7 | 1423.2 | 1424.7 | 1426.3 | 1424.7 | 1423.2 | 1418.7 |
| 7.5°   | 1429.9 | 1425.0 | 1418.0 | 1416.4 | 1420.2 | 1423.3 | 1424.4 | 1425.5 | 1424.4 | 1423.3 | 1420.2 |
| 10°    | 1428.8 | 1423.7 | 1416.4 | 1416.0 | 1422.3 | 1427.1 | 1427.4 | 1427.7 | 1427.4 | 1427.1 | 1422.3 |
| 12.5°  | 1423.3 | 1419.7 | 1414.0 | 1416.0 | 1425.9 | 1432.8 | 1430.8 | 1428.9 | 1430.8 | 1432.8 | 1425.9 |
| 15°    | 1405.4 | 1405.7 | 1404.8 | 1411.7 | 1426.6 | 1436.3 | 1431.0 | 1425.6 | 1431.0 | 1436.3 | 1426.6 |
| 17.5°  | 1373.0 | 1377.0 | 1380.5 | 1392.1 | 1411.9 | 1424.9 | 1417.3 | 1409.7 | 1417.3 | 1424.9 | 1411.9 |
| 20°    | 1344.8 | 1350.5 | 1356.5 | 1370.4 | 1392.2 | 1406.3 | 1397.5 | 1388.7 | 1397.5 | 1406.3 | 1392.2 |
| 22.5°  | 1312.6 | 1319.2 | 1326.8 | 1340.9 | 1361.7 | 1375.3 | 1367.2 | 1359.1 | 1367.2 | 1375.3 | 1361.7 |
| 25°    | 1259.5 | 1264.3 | 1270.0 | 1282.9 | 1303.1 | 1317.0 | 1311.6 | 1306.2 | 1311.6 | 1317.0 | 1303.1 |
| 27.5°  | 1184.0 | 1190.0 | 1197.1 | 1208.2 | 1223.4 | 1234.3 | 1232.8 | 1231.3 | 1232.8 | 1234.3 | 1223.4 |
| 30°    | 1129.3 | 1136.4 | 1143.9 | 1153.4 | 1164.8 | 1173.3 | 1173.3 | 1173.3 | 1173.3 | 1173.3 | 1164.8 |
| 32.5°  | 1065.7 | 1073.3 | 1081.6 | 1089.8 | 1097.9 | 1104.1 | 1104.9 | 1105.7 | 1104.9 | 1104.1 | 1097.9 |
| 35°    | 957.5  | 964.9  | 973.1  | 980.6  | 987.6  | 991.9  | 988.5  | 985.0  | 988.5  | 991.9  | 987.6  |
| 37.5°  | 824.7  | 832.3  | 841.1  | 848.2  | 853.4  | 857.0  | 855.7  | 854.4  | 855.7  | 857.0  | 853.4  |
| 40°    | 726.9  | 733.2  | 739.5  | 745.7  | 751.7  | 756.1  | 755.8  | 755.4  | 755.8  | 756.1  | 751.7  |
| 42.5°  | 618.1  | 626.3  | 636.4  | 644.3  | 650.1  | 652.8  | 646.4  | 640.0  | 646.4  | 652.8  | 650.1  |
| 45°    | 455.2  | 471.9  | 483.3  | 486.7  | 482.3  | 472.0  | 443.9  | 415.7  | 443.9  | 472.0  | 482.3  |
| 47.5°  | 252.6  | 285.5  | 318.0  | 323.8  | 303.2  | 278.9  | 243.9  | 208.9  | 243.9  | 278.9  | 303.2  |
| 50°    | 134.9  | 174.1  | 222.4  | 228.4  | 192.1  | 159.7  | 138.8  | 118.0  | 138.8  | 159.7  | 192.1  |
| 52.5°  | 88.5   | 117.1  | 153.0  | 155.1  | 123.3  | 97.2   | 88.0   | 78.7   | 88.0   | 97.2   | 123.3  |
| 55°    | 43.6   | 55.4   | 70.6   | 70.9   | 56.4   | 44.9   | 42.3   | 39.8   | 42.3   | 44.9   | 56.4   |
| 57.5°  | 21.1   | 25.9   | 31.3   | 31.1   | 25.4   | 20.3   | 16.9   | 13.5   | 16.9   | 20.3   | 25.4   |
| 60°    | 6.4    | 11.1   | 16.5   | 17.0   | 12.6   | 8.4    | 5.3    | 2.1    | 5.3    | 8.4    | 12.6   |
| 62.5°  | 1.8    | 5.3    | 9.6    | 9.7    | 5.5    | 2.2    | 1.3    | 0.4    | 1.3    | 2.2    | 5.5    |
| 65°    | 0.0    | 0.2    | 0.6    | 0.6    | 0.2    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.2    |
| 67.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 70°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 72.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 75°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 77.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 80°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 82.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5°  | 4.4    | 4.2    | 4.2    | 4.0    | 3.4    | 2.5    | 1.5    | 0.6    | 1.5    | 2.3    | 3.8    |
| 90°    | 22.2   | 21.1   | 21.1   | 20.1   | 16.9   | 12.7   | 7.4    | 3.2    | 7.4    | 11.6   | 19.0   |
| 92.5°  | 26.4   | 26.2   | 24.5   | 22.6   | 18.6   | 18.6   | 18.4   | 11.6   | 20.1   | 28.5   | 41.0   |
| 95°    | 24.3   | 24.3   | 28.5   | 35.9   | 52.8   | 53.9   | 35.9   | 32.8   | 46.5   | 65.5   | 82.4   |
| 97.5°  | 65.7   | 78.2   | 95.9   | 99.3   | 94.0   | 70.2   | 67.2   | 62.6   | 85.2   | 104.0  | 131.2  |
| 100°   | 121.5  | 137.4  | 150.0  | 124.7  | 98.3   | 97.2   | 90.9   | 88.8   | 113.1  | 131.0  | 157.4  |
| 102.5° | 190.0  | 194.9  | 150.9  | 136.5  | 130.4  | 126.0  | 116.2  | 115.0  | 139.3  | 164.0  | 186.2  |
| 105°   | 206.1  | 184.9  | 186.0  | 186.0  | 181.7  | 173.3  | 155.3  | 154.3  | 181.7  | 210.3  | 237.8  |
| 107.5° | 242.4  | 245.6  | 251.1  | 249.8  | 244.9  | 222.3  | 201.2  | 196.3  | 221.1  | 255.3  | 285.5  |
| 110°   | 290.6  | 293.8  | 295.9  | 293.8  | 286.4  | 257.8  | 232.5  | 225.1  | 247.3  | 283.2  | 315.9  |



TEST NUMBER: P1427521

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

**CANDELA DISTRIBUTION (continued):**

|        | 110°   | 120°   | 130°   | 140°   | 150°   | 160°   | 170°   | 180°   | 190°   | 200°   | 210°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 337.1  | 339.4  | 344.1  | 337.7  | 325.2  | 292.5  | 263.7  | 253.0  | 275.2  | 311.9  | 345.5  |
| 115°   | 411.0  | 411.0  | 412.1  | 408.9  | 383.6  | 349.8  | 311.7  | 295.9  | 314.9  | 348.7  | 385.7  |
| 117.5° | 483.7  | 485.0  | 480.8  | 472.3  | 443.0  | 403.7  | 361.0  | 335.6  | 350.6  | 386.3  | 424.4  |
| 120°   | 529.4  | 531.5  | 527.3  | 514.6  | 486.1  | 441.7  | 393.1  | 363.5  | 375.1  | 410.0  | 448.0  |
| 122.5° | 576.7  | 576.3  | 571.2  | 556.9  | 523.3  | 477.2  | 429.4  | 393.1  | 397.9  | 430.3  | 467.5  |
| 125°   | 642.5  | 641.4  | 637.2  | 620.3  | 585.4  | 537.8  | 481.8  | 437.5  | 431.1  | 458.6  | 496.6  |
| 127.5° | 705.0  | 702.7  | 696.1  | 675.6  | 639.9  | 594.1  | 532.6  | 482.3  | 468.1  | 485.4  | 520.3  |
| 130°   | 748.1  | 745.0  | 733.3  | 711.1  | 676.3  | 632.9  | 570.6  | 513.5  | 493.5  | 504.0  | 534.7  |
| 132.5° | 789.5  | 780.5  | 770.5  | 746.6  | 714.3  | 669.3  | 606.1  | 546.5  | 518.8  | 523.5  | 547.4  |
| 135°   | 842.2  | 833.7  | 821.0  | 797.8  | 767.1  | 722.8  | 659.4  | 594.9  | 556.9  | 552.6  | 566.4  |
| 137.5° | 888.5  | 879.6  | 865.2  | 845.1  | 814.3  | 774.8  | 713.9  | 645.8  | 597.9  | 583.7  | 589.0  |
| 140°   | 917.2  | 906.6  | 893.9  | 873.9  | 846.4  | 805.2  | 746.0  | 680.5  | 626.6  | 606.5  | 603.4  |
| 142.5° | 940.9  | 932.8  | 919.3  | 900.9  | 876.8  | 835.6  | 778.1  | 713.5  | 656.2  | 630.2  | 622.8  |
| 145°   | 976.4  | 970.0  | 955.2  | 938.3  | 918.3  | 877.0  | 824.2  | 759.7  | 702.7  | 668.9  | 653.0  |
| 147.5° | 1006.4 | 1001.3 | 989.7  | 969.8  | 952.9  | 913.4  | 865.2  | 808.1  | 749.6  | 707.8  | 687.3  |
| 150°   | 1025.0 | 1020.7 | 1009.1 | 990.1  | 973.2  | 936.2  | 889.7  | 836.9  | 780.9  | 736.5  | 710.1  |
| 152.5° | 1042.7 | 1038.5 | 1025.2 | 1006.2 | 991.8  | 957.3  | 915.1  | 864.8  | 807.9  | 763.6  | 736.3  |
| 155°   | 1066.2 | 1060.9 | 1048.2 | 1030.3 | 1017.6 | 985.9  | 946.8  | 902.4  | 853.8  | 807.3  | 776.7  |
| 157.5° | 1084.8 | 1078.2 | 1066.4 | 1051.0 | 1037.4 | 1008.3 | 974.3  | 936.0  | 893.5  | 849.1  | 817.9  |
| 160°   | 1095.8 | 1088.4 | 1075.7 | 1062.0 | 1049.3 | 1021.8 | 991.2  | 956.3  | 917.2  | 877.0  | 843.2  |
| 162.5° | 1103.4 | 1096.8 | 1081.6 | 1069.6 | 1058.6 | 1033.6 | 1004.7 | 973.2  | 938.3  | 903.2  | 872.0  |
| 165°   | 1111.6 | 1104.2 | 1088.4 | 1078.9 | 1069.4 | 1048.2 | 1022.9 | 997.5  | 967.9  | 939.4  | 914.0  |
| 167.5° | 1112.3 | 1106.1 | 1090.3 | 1081.0 | 1074.0 | 1055.8 | 1035.3 | 1015.9 | 992.9  | 970.5  | 949.3  |
| 170°   | 1110.6 | 1105.3 | 1089.4 | 1081.0 | 1075.7 | 1060.9 | 1042.9 | 1026.0 | 1008.1 | 989.0  | 972.1  |
| 172.5° | 1104.6 | 1099.4 | 1084.4 | 1077.6 | 1074.9 | 1061.7 | 1047.2 | 1034.5 | 1019.1 | 1005.1 | 991.6  |
| 175°   | 1089.4 | 1085.2 | 1072.5 | 1068.3 | 1069.4 | 1060.9 | 1050.3 | 1042.9 | 1033.4 | 1025.0 | 1017.6 |
| 177.5° | 1067.2 | 1064.7 | 1055.4 | 1055.4 | 1058.8 | 1053.7 | 1050.3 | 1047.0 | 1042.7 | 1040.2 | 1037.7 |
| 180°   | 1046.1 | 1046.1 | 1046.1 | 1046.1 | 1046.1 | 1046.1 | 1046.1 | 1046.1 | 1046.1 | 1046.1 | 1046.1 |



TEST NUMBER: P1427521

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

**CANDELA DISTRIBUTION (continued):**

|        | 220°   | 230°   | 240°   | 250°   | 260°   | 270°   | 280°   | 290°   | 300°   | 310°   | 320°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1420.6 | 1420.6 | 1420.6 | 1420.6 | 1420.6 | 1420.6 | 1420.6 | 1420.6 | 1420.6 | 1420.6 | 1420.6 |
| 2.5°   | 1414.1 | 1414.4 | 1420.3 | 1424.3 | 1423.0 | 1421.8 | 1423.0 | 1424.3 | 1420.3 | 1414.4 | 1414.1 |
| 5°     | 1413.4 | 1414.9 | 1423.5 | 1429.7 | 1429.1 | 1428.5 | 1429.1 | 1429.7 | 1423.5 | 1414.9 | 1413.4 |
| 7.5°   | 1416.4 | 1418.0 | 1425.0 | 1429.9 | 1428.3 | 1426.7 | 1428.3 | 1429.9 | 1425.0 | 1418.0 | 1416.4 |
| 10°    | 1416.0 | 1416.4 | 1423.7 | 1428.8 | 1427.2 | 1425.6 | 1427.2 | 1428.8 | 1423.7 | 1416.4 | 1416.0 |
| 12.5°  | 1416.0 | 1414.0 | 1419.7 | 1423.3 | 1420.5 | 1417.6 | 1420.5 | 1423.3 | 1419.7 | 1414.0 | 1416.0 |
| 15°    | 1411.7 | 1404.8 | 1405.7 | 1405.4 | 1401.3 | 1397.2 | 1401.3 | 1405.4 | 1405.7 | 1404.8 | 1411.7 |
| 17.5°  | 1392.1 | 1380.5 | 1377.0 | 1373.0 | 1367.2 | 1361.4 | 1367.2 | 1373.0 | 1377.0 | 1380.5 | 1392.1 |
| 20°    | 1370.4 | 1356.5 | 1350.5 | 1344.8 | 1339.7 | 1334.6 | 1339.7 | 1344.8 | 1350.5 | 1356.5 | 1370.4 |
| 22.5°  | 1340.9 | 1326.8 | 1319.2 | 1312.6 | 1308.6 | 1304.5 | 1308.6 | 1312.6 | 1319.2 | 1326.8 | 1340.9 |
| 25°    | 1282.9 | 1270.0 | 1264.3 | 1259.5 | 1257.3 | 1255.0 | 1257.3 | 1259.5 | 1264.3 | 1270.0 | 1282.9 |
| 27.5°  | 1208.2 | 1197.1 | 1190.0 | 1184.0 | 1181.1 | 1178.3 | 1181.1 | 1184.0 | 1190.0 | 1197.1 | 1208.2 |
| 30°    | 1153.4 | 1143.9 | 1136.4 | 1129.3 | 1124.0 | 1118.6 | 1124.0 | 1129.3 | 1136.4 | 1143.9 | 1153.4 |
| 32.5°  | 1089.8 | 1081.6 | 1073.3 | 1065.7 | 1060.3 | 1054.9 | 1060.3 | 1065.7 | 1073.3 | 1081.6 | 1089.8 |
| 35°    | 980.6  | 973.1  | 964.9  | 957.5  | 952.8  | 948.0  | 952.8  | 957.5  | 964.9  | 973.1  | 980.6  |
| 37.5°  | 848.2  | 841.1  | 832.3  | 824.7  | 820.7  | 816.7  | 820.7  | 824.7  | 832.3  | 841.1  | 848.2  |
| 40°    | 745.7  | 739.5  | 733.2  | 726.9  | 720.9  | 714.9  | 720.9  | 726.9  | 733.2  | 739.5  | 745.7  |
| 42.5°  | 644.3  | 636.4  | 626.3  | 618.1  | 615.6  | 613.2  | 615.6  | 618.1  | 626.3  | 636.4  | 644.3  |
| 45°    | 486.7  | 483.3  | 471.9  | 455.2  | 422.7  | 390.2  | 422.7  | 455.2  | 471.9  | 483.3  | 486.7  |
| 47.5°  | 323.8  | 318.0  | 285.5  | 252.6  | 218.2  | 183.8  | 218.2  | 252.6  | 285.5  | 318.0  | 323.8  |
| 50°    | 228.4  | 222.4  | 174.1  | 134.9  | 123.3  | 111.6  | 123.3  | 134.9  | 174.1  | 222.4  | 228.4  |
| 52.5°  | 155.1  | 153.0  | 117.1  | 88.5   | 81.8   | 75.2   | 81.8   | 88.5   | 117.1  | 153.0  | 155.1  |
| 55°    | 70.9   | 70.6   | 55.4   | 43.6   | 41.7   | 39.8   | 41.7   | 43.6   | 55.4   | 70.6   | 70.9   |
| 57.5°  | 31.1   | 31.3   | 25.9   | 21.1   | 18.0   | 14.9   | 18.0   | 21.1   | 25.9   | 31.3   | 31.1   |
| 60°    | 17.0   | 16.5   | 11.1   | 6.4    | 3.6    | 0.7    | 3.6    | 6.4    | 11.1   | 16.5   | 17.0   |
| 62.5°  | 9.7    | 9.6    | 5.3    | 1.8    | 1.0    | 0.1    | 1.0    | 1.8    | 5.3    | 9.6    | 9.7    |
| 65°    | 0.6    | 0.6    | 0.2    | 0.0    | 0.0    | 0.0    | 0.0    | 0.2    | 0.6    | 0.6    | 0.6    |
| 67.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 70°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 72.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 75°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 77.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 80°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 82.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5°  | 4.9    | 6.3    | 7.8    | 8.7    | 9.5    | 9.1    | 9.5    | 8.7    | 7.8    | 6.3    | 4.9    |
| 90°    | 24.3   | 31.7   | 39.1   | 43.3   | 47.6   | 45.4   | 47.6   | 43.3   | 39.1   | 31.7   | 24.3   |
| 92.5°  | 48.8   | 61.3   | 70.4   | 78.0   | 81.4   | 80.9   | 81.4   | 78.0   | 70.4   | 61.3   | 48.8   |
| 95°    | 98.3   | 113.1  | 127.9  | 138.4  | 144.8  | 142.7  | 144.8  | 138.4  | 127.9  | 113.1  | 98.3   |
| 97.5°  | 151.5  | 171.4  | 187.9  | 197.8  | 204.1  | 208.4  | 204.1  | 197.8  | 187.9  | 171.4  | 151.5  |
| 100°   | 187.0  | 206.1  | 225.1  | 236.7  | 247.3  | 251.5  | 247.3  | 236.7  | 225.1  | 206.1  | 187.0  |
| 102.5° | 215.8  | 240.7  | 261.4  | 273.9  | 282.8  | 287.0  | 282.8  | 273.9  | 261.4  | 240.7  | 215.8  |
| 105°   | 263.1  | 289.5  | 311.7  | 327.6  | 337.1  | 340.2  | 337.1  | 327.6  | 311.7  | 289.5  | 263.1  |
| 107.5° | 310.5  | 337.7  | 358.2  | 375.8  | 387.4  | 394.1  | 387.4  | 375.8  | 358.2  | 337.7  | 310.5  |
| 110°   | 347.6  | 369.8  | 392.0  | 407.9  | 419.5  | 423.7  | 419.5  | 407.9  | 392.0  | 369.8  | 347.6  |



TEST NUMBER: P1427521

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

**CANDELA DISTRIBUTION (continued):**

|        | 220°   | 230°   | 240°   | 250°   | 260°   | 270°   | 280°   | 290°   | 300°   | 310°   | 320°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 378.9  | 403.7  | 425.8  | 441.7  | 455.0  | 460.9  | 455.0  | 441.7  | 425.8  | 403.7  | 378.9  |
| 115°   | 422.7  | 455.4  | 475.5  | 490.3  | 499.8  | 505.1  | 499.8  | 490.3  | 475.5  | 455.4  | 422.7  |
| 117.5° | 459.0  | 493.3  | 515.2  | 526.6  | 531.1  | 534.9  | 531.1  | 526.6  | 515.2  | 493.3  | 459.0  |
| 120°   | 481.8  | 513.5  | 538.9  | 553.7  | 559.0  | 561.1  | 559.0  | 553.7  | 538.9  | 513.5  | 481.8  |
| 122.5° | 503.0  | 533.0  | 557.5  | 575.7  | 584.3  | 586.5  | 584.3  | 575.7  | 557.5  | 533.0  | 503.0  |
| 125°   | 532.6  | 561.1  | 586.5  | 604.4  | 613.9  | 619.2  | 613.9  | 604.4  | 586.5  | 561.1  | 532.6  |
| 127.5° | 558.3  | 589.2  | 612.4  | 628.7  | 638.0  | 642.2  | 638.0  | 628.7  | 612.4  | 589.2  | 558.3  |
| 130°   | 572.7  | 604.4  | 627.7  | 645.6  | 654.1  | 658.3  | 654.1  | 645.6  | 627.7  | 604.4  | 572.7  |
| 132.5° | 583.7  | 617.1  | 641.2  | 657.5  | 666.8  | 671.0  | 666.8  | 657.5  | 641.2  | 617.1  | 583.7  |
| 135°   | 597.0  | 631.9  | 657.3  | 673.1  | 681.6  | 685.8  | 681.6  | 673.1  | 657.3  | 631.9  | 597.0  |
| 137.5° | 608.6  | 640.3  | 666.8  | 683.5  | 691.1  | 693.8  | 691.1  | 683.5  | 666.8  | 640.3  | 608.6  |
| 140°   | 617.1  | 644.6  | 671.0  | 686.8  | 695.3  | 696.3  | 695.3  | 686.8  | 671.0  | 644.6  | 617.1  |
| 142.5° | 628.1  | 649.6  | 672.7  | 688.5  | 697.0  | 698.9  | 697.0  | 688.5  | 672.7  | 649.6  | 628.1  |
| 145°   | 647.7  | 660.4  | 676.3  | 691.1  | 698.5  | 700.6  | 698.5  | 691.1  | 676.3  | 660.4  | 647.7  |
| 147.5° | 672.5  | 676.5  | 684.7  | 694.4  | 701.6  | 703.1  | 701.6  | 694.4  | 684.7  | 676.5  | 672.5  |
| 150°   | 691.1  | 690.0  | 693.2  | 699.5  | 705.9  | 704.8  | 705.9  | 699.5  | 693.2  | 690.0  | 691.1  |
| 152.5° | 712.2  | 706.1  | 705.9  | 708.8  | 711.8  | 711.6  | 711.8  | 708.8  | 705.9  | 706.1  | 712.2  |
| 155°   | 748.1  | 736.5  | 730.2  | 728.0  | 728.0  | 727.0  | 728.0  | 728.0  | 730.2  | 736.5  | 748.1  |
| 157.5° | 787.6  | 771.4  | 761.9  | 756.8  | 755.3  | 753.0  | 755.3  | 756.8  | 761.9  | 771.4  | 787.6  |
| 160°   | 814.7  | 796.7  | 787.2  | 778.8  | 775.6  | 772.4  | 775.6  | 778.8  | 787.2  | 796.7  | 814.7  |
| 162.5° | 840.1  | 822.9  | 812.6  | 805.0  | 801.8  | 796.9  | 801.8  | 805.0  | 812.6  | 822.9  | 840.1  |
| 165°   | 881.3  | 863.3  | 851.7  | 845.3  | 841.1  | 836.9  | 841.1  | 845.3  | 851.7  | 863.3  | 881.3  |
| 167.5° | 922.5  | 902.8  | 895.2  | 888.0  | 884.0  | 876.4  | 884.0  | 888.0  | 895.2  | 902.8  | 922.5  |
| 170°   | 947.8  | 929.9  | 925.6  | 919.3  | 911.9  | 903.5  | 911.9  | 919.3  | 925.6  | 929.9  | 947.8  |
| 172.5° | 969.8  | 957.8  | 953.5  | 947.2  | 944.9  | 938.1  | 944.9  | 947.2  | 953.5  | 957.8  | 969.8  |
| 175°   | 1001.7 | 992.2  | 992.2  | 991.2  | 988.0  | 981.7  | 988.0  | 991.2  | 992.2  | 992.2  | 1001.7 |
| 177.5° | 1028.4 | 1023.3 | 1026.7 | 1026.7 | 1025.8 | 1019.9 | 1025.8 | 1026.7 | 1026.7 | 1023.3 | 1028.4 |
| 180°   | 1046.1 | 1046.1 | 1046.1 | 1046.1 | 1046.1 | 1046.1 | 1046.1 | 1046.1 | 1046.1 | 1046.1 | 1046.1 |



TEST NUMBER: P1427521

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

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 340°   | 350°   | 360°   |
|--------|--------|--------|--------|--------|
| 0°     | 1420.6 | 1420.6 | 1420.6 | 1420.6 |
| 2.5°   | 1419.1 | 1423.4 | 1425.1 | 1426.9 |
| 5°     | 1418.7 | 1423.2 | 1424.7 | 1426.3 |
| 7.5°   | 1420.2 | 1423.3 | 1424.4 | 1425.5 |
| 10°    | 1422.3 | 1427.1 | 1427.4 | 1427.7 |
| 12.5°  | 1425.9 | 1432.8 | 1430.8 | 1428.9 |
| 15°    | 1426.6 | 1436.3 | 1431.0 | 1425.6 |
| 17.5°  | 1411.9 | 1424.9 | 1417.3 | 1409.7 |
| 20°    | 1392.2 | 1406.3 | 1397.5 | 1388.7 |
| 22.5°  | 1361.7 | 1375.3 | 1367.2 | 1359.1 |
| 25°    | 1303.1 | 1317.0 | 1311.6 | 1306.2 |
| 27.5°  | 1223.4 | 1234.3 | 1232.8 | 1231.3 |
| 30°    | 1164.8 | 1173.3 | 1173.3 | 1173.3 |
| 32.5°  | 1097.9 | 1104.1 | 1104.9 | 1105.7 |
| 35°    | 987.6  | 991.9  | 988.5  | 985.0  |
| 37.5°  | 853.4  | 857.0  | 855.7  | 854.4  |
| 40°    | 751.7  | 756.1  | 755.8  | 755.4  |
| 42.5°  | 650.1  | 652.8  | 646.4  | 640.0  |
| 45°    | 482.3  | 472.0  | 443.9  | 415.7  |
| 47.5°  | 303.2  | 278.9  | 243.9  | 208.9  |
| 50°    | 192.1  | 159.7  | 138.8  | 118.0  |
| 52.5°  | 123.3  | 97.2   | 88.0   | 78.7   |
| 55°    | 56.4   | 44.9   | 42.3   | 39.8   |
| 57.5°  | 25.4   | 20.3   | 16.9   | 13.5   |
| 60°    | 12.6   | 8.4    | 5.3    | 2.1    |
| 62.5°  | 5.5    | 2.2    | 1.3    | 0.4    |
| 65°    | 0.2    | 0.0    | 0.0    | 0.0    |
| 67.5°  | 0.0    | 0.0    | 0.0    | 0.0    |
| 70°    | 0.0    | 0.0    | 0.0    | 0.0    |
| 72.5°  | 0.0    | 0.0    | 0.0    | 0.0    |
| 75°    | 0.0    | 0.0    | 0.0    | 0.0    |
| 77.5°  | 0.0    | 0.0    | 0.0    | 0.0    |
| 80°    | 0.0    | 0.0    | 0.0    | 0.0    |
| 82.5°  | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5°  | 3.8    | 2.3    | 1.5    | 0.6    |
| 90°    | 19.0   | 11.6   | 7.4    | 3.2    |
| 92.5°  | 41.0   | 28.5   | 20.1   | 11.6   |
| 95°    | 82.4   | 65.5   | 46.5   | 32.8   |
| 97.5°  | 131.2  | 104.0  | 85.2   | 62.6   |
| 100°   | 157.4  | 131.0  | 113.1  | 88.8   |
| 102.5° | 186.2  | 164.0  | 139.3  | 115.0  |
| 105°   | 237.8  | 210.3  | 181.7  | 154.3  |
| 107.5° | 285.5  | 255.3  | 221.1  | 196.3  |
| 110°   | 315.9  | 283.2  | 247.3  | 225.1  |

TEST NUMBER: P1427521

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

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 340°   | 350°   | 360°   |
|--------|--------|--------|--------|--------|
| 112.5° | 345.5  | 311.9  | 275.2  | 253.0  |
| 115°   | 385.7  | 348.7  | 314.9  | 295.9  |
| 117.5° | 424.4  | 386.3  | 350.6  | 335.6  |
| 120°   | 448.0  | 410.0  | 375.1  | 363.5  |
| 122.5° | 467.5  | 430.3  | 397.9  | 393.1  |
| 125°   | 496.6  | 458.6  | 431.1  | 437.5  |
| 127.5° | 520.3  | 485.4  | 468.1  | 482.3  |
| 130°   | 534.7  | 504.0  | 493.5  | 513.5  |
| 132.5° | 547.4  | 523.5  | 518.8  | 546.5  |
| 135°   | 566.4  | 552.6  | 556.9  | 594.9  |
| 137.5° | 589.0  | 583.7  | 597.9  | 645.8  |
| 140°   | 603.4  | 606.5  | 626.6  | 680.5  |
| 142.5° | 622.8  | 630.2  | 656.2  | 713.5  |
| 145°   | 653.0  | 668.9  | 702.7  | 759.7  |
| 147.5° | 687.3  | 707.8  | 749.6  | 808.1  |
| 150°   | 710.1  | 736.5  | 780.9  | 836.9  |
| 152.5° | 736.3  | 763.6  | 807.9  | 864.8  |
| 155°   | 776.7  | 807.3  | 853.8  | 902.4  |
| 157.5° | 817.9  | 849.1  | 893.5  | 936.0  |
| 160°   | 843.2  | 877.0  | 917.2  | 956.3  |
| 162.5° | 872.0  | 903.2  | 938.3  | 973.2  |
| 165°   | 914.0  | 939.4  | 967.9  | 997.5  |
| 167.5° | 949.3  | 970.5  | 992.9  | 1015.9 |
| 170°   | 972.1  | 989.0  | 1008.1 | 1026.0 |
| 172.5° | 991.6  | 1005.1 | 1019.1 | 1034.5 |
| 175°   | 1017.6 | 1025.0 | 1033.4 | 1042.9 |
| 177.5° | 1037.7 | 1040.2 | 1042.7 | 1047.0 |
| 180°   | 1046.1 | 1046.1 | 1046.1 | 1046.1 |



TEST NUMBER: P1427521

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

**CIE UGR TABLE:**

| Reflectances:   |      |                  |      |      |      |      |                |      |      |      |      |
|-----------------|------|------------------|------|------|------|------|----------------|------|------|------|------|
| Ceiling         |      | 0.7              | 0.7  | 0.5  | 0.5  | 0.3  | 0.7            | 0.7  | 0.5  | 0.5  | 0.3  |
| Wall            |      | 0.5              | 0.3  | 0.5  | 0.3  | 0.3  | 0.5            | 0.3  | 0.5  | 0.3  | 0.3  |
| Reference plane |      | 0.2              | 0.2  | 0.2  | 0.2  | 0.2  | 0.2            | 0.2  | 0.2  | 0.2  | 0.2  |
| Room dimensions |      | Viewed crosswise |      |      |      |      | Viewed endwise |      |      |      |      |
| X=2H            | Y=2H | 0.00             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00           | 0.00 | 0.00 | 0.00 | 0.00 |
|                 | 3H   | 0.00             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00           | 0.00 | 0.00 | 0.00 | 0.00 |
|                 | 4H   | 0.00             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00           | 0.00 | 0.00 | 0.00 | 0.00 |
|                 | 6H   | 0.00             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00           | 0.00 | 0.00 | 0.00 | 0.00 |
|                 | 8H   | 0.00             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00           | 0.00 | 0.00 | 0.00 | 0.00 |
|                 | 12H  | 0.00             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00           | 0.00 | 0.00 | 0.00 | 0.00 |
| 4H              | 2H   | 0.00             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00           | 0.00 | 0.00 | 0.00 | 0.00 |
|                 | 3H   | 0.00             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00           | 0.00 | 0.00 | 0.00 | 0.00 |
|                 | 4H   | 0.00             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00           | 0.00 | 0.00 | 0.00 | 0.00 |
|                 | 6H   | 0.00             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00           | 0.00 | 0.00 | 0.00 | 0.00 |
|                 | 8H   | 0.00             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00           | 0.00 | 0.00 | 0.00 | 0.00 |
|                 | 12H  | 0.00             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00           | 0.00 | 0.00 | 0.00 | 0.00 |
| 8H              | 4H   | 0.00             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00           | 0.00 | 0.00 | 0.00 | 0.00 |
|                 | 6H   | 0.00             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00           | 0.00 | 0.00 | 0.00 | 0.00 |
|                 | 8H   | 0.00             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00           | 0.00 | 0.00 | 0.00 | 0.00 |
|                 | 12H  | 0.00             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00           | 0.00 | 0.00 | 0.00 | 0.00 |
| 12H             | 4H   | 0.00             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00           | 0.00 | 0.00 | 0.00 | 0.00 |
|                 | 6H   | 0.00             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00           | 0.00 | 0.00 | 0.00 | 0.00 |
|                 | 8H   | 0.00             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00           | 0.00 | 0.00 | 0.00 | 0.00 |