

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: P934578

Luminaire Tested: SQ4-FA-050U-125D-B2750-1D-UNV-W2A-W-12-3000K

Issue Date: 12/17/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P934578  
REPORT IS A COMBINATION OF REPORTS P933701 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-050U-125D-B2750-1D-UNV-W2A-W-12-3000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

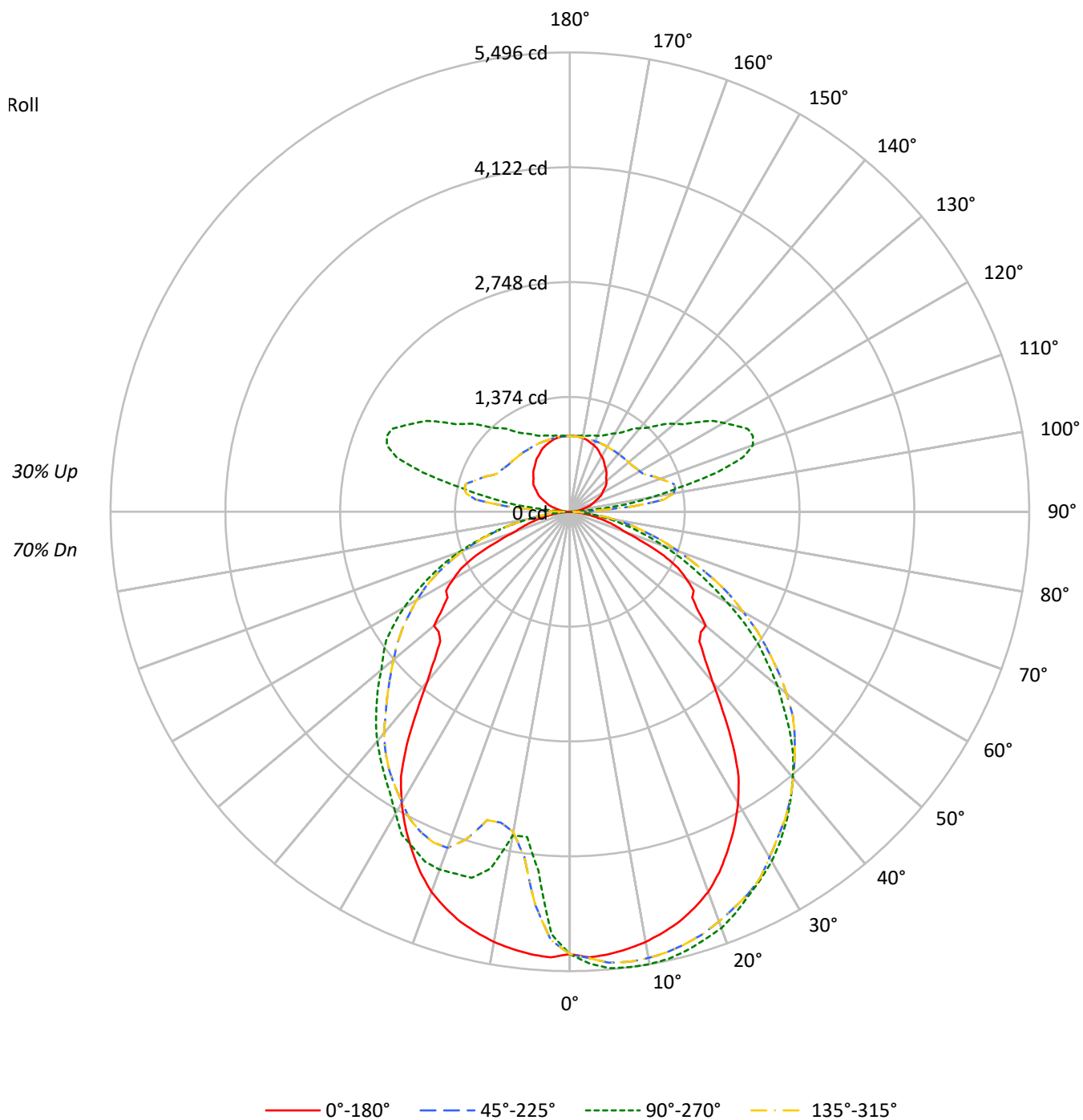
Lumens per Lamp: N/A  
Luminaire Lumens: 19610.5 lumens  
Efficiency: N/A  
Efficacy: 116.7 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')  
CIE Type: Semi-Direct

Input Watts (W): 168  
Input Voltage (V): NR  
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: P934578

CATALOG NUMBER: SQ4-FA-050U-125D-B2750-1D-UNV-W2A-W-12-3000K

### Luminous Intensity Polar Plot



TEST NUMBER: P934578

CATALOG NUMBER: SQ4-FA-050U-125D-B2750-1D-UNV-W2A-W-12-3000K

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF  | 20  |     |     |     | 20  |     |     |     |    | 20 |    |    |    |    | 20 |    |    |    |    | 20 |
| RC  | 80  |     |     |     | 70  |     |     |     |    | 50 |    |    |    |    | 30 |    |    |    |    | 10 |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 |
| RCR |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 112 | 112 | 112 | 112 | 106 | 106 | 106 | 106 | 94 | 94 | 94 | 84 | 84 | 84 | 74 | 74 | 74 | 74 | 74 | 74 |
| 1   | 102 | 98  | 94  | 90  | 97  | 93  | 89  | 86  | 83 | 80 | 78 | 74 | 72 | 70 | 66 | 65 | 63 | 63 | 63 | 59 |
| 2   | 93  | 86  | 79  | 74  | 88  | 81  | 76  | 71  | 73 | 68 | 65 | 65 | 62 | 59 | 58 | 56 | 53 | 53 | 53 | 50 |
| 3   | 85  | 75  | 68  | 62  | 80  | 71  | 65  | 59  | 64 | 59 | 54 | 58 | 53 | 50 | 52 | 48 | 45 | 45 | 45 | 42 |
| 4   | 78  | 67  | 58  | 52  | 73  | 63  | 56  | 50  | 57 | 51 | 46 | 51 | 47 | 43 | 46 | 42 | 39 | 39 | 39 | 36 |
| 5   | 72  | 60  | 51  | 45  | 67  | 57  | 49  | 43  | 51 | 45 | 40 | 46 | 41 | 37 | 41 | 37 | 34 | 34 | 34 | 31 |
| 6   | 66  | 53  | 45  | 39  | 62  | 51  | 43  | 38  | 46 | 40 | 35 | 42 | 36 | 32 | 38 | 33 | 30 | 30 | 30 | 27 |
| 7   | 61  | 48  | 40  | 34  | 58  | 46  | 39  | 33  | 42 | 36 | 31 | 38 | 33 | 29 | 34 | 30 | 27 | 27 | 27 | 24 |
| 8   | 57  | 44  | 36  | 30  | 54  | 42  | 35  | 29  | 38 | 32 | 28 | 35 | 30 | 26 | 31 | 27 | 24 | 24 | 24 | 22 |
| 9   | 53  | 40  | 32  | 27  | 50  | 38  | 31  | 26  | 35 | 29 | 25 | 32 | 27 | 23 | 29 | 25 | 21 | 21 | 21 | 19 |
| 10  | 49  | 37  | 30  | 25  | 47  | 35  | 28  | 24  | 32 | 26 | 22 | 30 | 25 | 21 | 27 | 23 | 19 | 19 | 19 | 18 |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 16365 | 16365 | 16365 | 16365 |
| 5°  | 16493 | 16520 | 16493 | 12990 |
| 10° | 16389 | 16273 | 16389 | 11634 |
| 15° | 16217 | 15920 | 16217 | 13294 |
| 20° | 15884 | 15502 | 15884 | 13321 |
| 25° | 15196 | 14893 | 15196 | 13039 |
| 30° | 14305 | 14387 | 14305 | 12420 |
| 35° | 12759 | 13748 | 12759 | 11738 |
| 40° | 10637 | 12995 | 10637 | 11223 |
| 45° | 9511  | 12113 | 9511  | 10632 |
| 50° | 10113 | 11062 | 10113 | 10038 |
| 55° | 9523  | 9930  | 9523  | 9694  |
| 60° | 9829  | 8433  | 9829  | 8879  |
| 65° | 8926  | 6971  | 8926  | 7792  |
| 70° | 6196  | 5555  | 6196  | 6532  |
| 75° | 5453  | 4106  | 5453  | 4917  |
| 80° | 4427  | 2715  | 4427  | 2956  |
| 85° | 2595  | 1439  | 2595  | 1222  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°

Vertical Angle: 45°

Luminance: 14568 cd/sqm

TEST NUMBER: P934578

CATALOG NUMBER: SQ4-FA-050U-125D-B2750-1D-UNV-W2A-W-12-3000K

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 477.6   | 2.4       |
| 10°-20°   | 1356.0  | 6.9       |
| 20°-30°   | 2096.2  | 10.7      |
| 30°-40°   | 2502.4  | 12.8      |
| 40°-50°   | 2517.0  | 12.8      |
| 50°-60°   | 2190.1  | 11.2      |
| 60°-70°   | 1552.8  | 7.9       |
| 70°-80°   | 821.5   | 4.2       |
| 80°-90°   | 208.1   | 1.1       |
| 90°-100°  | 442.8   | 2.3       |
| 100°-110° | 1164.2  | 5.9       |
| 110°-120° | 1207.1  | 6.2       |
| 120°-130° | 968.3   | 4.9       |
| 130°-140° | 759.7   | 3.9       |
| 140°-150° | 583.1   | 3.0       |
| 150°-160° | 420.0   | 2.1       |
| 160°-170° | 256.9   | 1.3       |
| 170°-180° | 86.8    | 0.4       |
| 0°-30°    | 3929.8  | 20.0      |
| 0°-40°    | 6432.1  | 32.8      |
| 0°-60°    | 11139.3 | 56.8      |
| 0°-90°    | 13721.7 | 70.0      |
| 90°-120°  | 2814.0  | 14.3      |
| 90°-150°  | 5125.1  | 26.1      |
| 90°-180°  | 5889.0  | 30.0      |
| 0°-180°   | 19610.5 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 5291 | 5291 | 5291 | 5291 | 5291 |      |
| 5°   | 5316 | 5481 | 5316 | 4310 | 5316 | 504  |
| 15°  | 5076 | 5431 | 5076 | 4535 | 5076 | 1428 |
| 25°  | 4470 | 5066 | 4470 | 4435 | 4470 | 2052 |
| 35°  | 3399 | 4520 | 3399 | 3859 | 3399 | 2103 |
| 45°  | 2192 | 3724 | 2192 | 3269 | 2192 | 1756 |
| 55°  | 1787 | 2748 | 1787 | 2683 | 1787 | 1642 |
| 65°  | 1241 | 1657 | 1241 | 1852 | 1241 | 1186 |
| 75°  | 470  | 786  | 470  | 941  | 470  | 495  |
| 85°  | 80   | 200  | 80   | 170  | 80   | 108  |
| 90°  | 6    | 23   | 6    | 23   | 6    | 8    |
| 95°  | 59   | 268  | 59   | 268  | 59   | 65   |
| 105° | 210  | 1823 | 210  | 1823 | 210  | 222  |
| 115° | 372  | 2347 | 372  | 2347 | 372  | 368  |
| 125° | 518  | 1869 | 518  | 1869 | 518  | 460  |
| 135° | 618  | 1450 | 618  | 1450 | 618  | 478  |
| 145° | 716  | 1177 | 716  | 1177 | 716  | 449  |
| 155° | 810  | 1013 | 810  | 1013 | 810  | 372  |
| 165° | 874  | 944  | 874  | 944  | 874  | 247  |
| 175° | 908  | 914  | 908  | 914  | 908  | 86   |
| 180° | 908  | 908  | 908  | 908  | 908  |      |

TEST NUMBER: P934578

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 5290.9 | 5290.9 | 5290.9 | 5290.9 | 5290.9 | 5290.9 | 5290.9 | 5290.9 | 5290.9 | 5290.9 | 5290.9 |
| 2.5°   | 5335.9 | 5335.9 | 5365.9 | 5376.0 | 5376.0 | 5360.9 | 5345.9 | 5360.9 | 5405.9 | 5421.0 | 5416.0 |
| 5°     | 5315.8 | 5356.0 | 5411.0 | 5421.0 | 5431.0 | 5426.0 | 5416.0 | 5426.0 | 5476.0 | 5486.1 | 5491.0 |
| 7.5°   | 5275.8 | 5350.9 | 5421.0 | 5436.0 | 5451.0 | 5436.0 | 5431.0 | 5441.0 | 5491.0 | 5501.1 | 5501.1 |
| 10°    | 5225.8 | 5330.9 | 5411.0 | 5421.0 | 5436.0 | 5421.0 | 5421.0 | 5441.0 | 5491.0 | 5501.1 | 5506.1 |
| 12.5°  | 5155.7 | 5300.8 | 5376.0 | 5385.9 | 5405.9 | 5400.9 | 5396.0 | 5416.0 | 5466.0 | 5476.0 | 5476.0 |
| 15°    | 5075.6 | 5245.8 | 5315.8 | 5325.9 | 5360.9 | 5350.9 | 5350.9 | 5370.9 | 5426.0 | 5441.0 | 5436.0 |
| 17.5°  | 4965.5 | 5175.7 | 5255.8 | 5270.9 | 5295.8 | 5290.9 | 5295.8 | 5315.8 | 5365.9 | 5376.0 | 5380.9 |
| 20°    | 4840.4 | 5080.6 | 5175.7 | 5190.7 | 5215.7 | 5215.7 | 5215.7 | 5240.8 | 5290.9 | 5310.9 | 5310.9 |
| 22.5°  | 4670.2 | 4980.5 | 5080.6 | 5090.6 | 5120.7 | 5120.7 | 5130.7 | 5165.7 | 5210.7 | 5215.7 | 5215.7 |
| 25°    | 4469.9 | 4870.3 | 4955.4 | 4985.5 | 5015.6 | 5030.6 | 5045.6 | 5065.6 | 5080.6 | 5075.6 | 5080.6 |
| 27.5°  | 4259.7 | 4730.2 | 4840.4 | 4860.4 | 4900.4 | 4915.4 | 4935.4 | 4940.5 | 4945.5 | 4960.5 | 4950.5 |
| 30°    | 4024.5 | 4535.0 | 4700.2 | 4720.2 | 4785.3 | 4795.3 | 4775.3 | 4785.3 | 4810.3 | 4820.4 | 4830.3 |
| 32.5°  | 3759.1 | 4244.7 | 4555.0 | 4600.1 | 4660.1 | 4630.2 | 4625.1 | 4640.1 | 4680.1 | 4680.1 | 4690.2 |
| 35°    | 3398.7 | 4019.4 | 4419.8 | 4459.9 | 4504.9 | 4469.9 | 4489.9 | 4495.0 | 4520.0 | 4535.0 | 4530.0 |
| 37.5°  | 3003.4 | 3824.2 | 4279.7 | 4309.8 | 4344.8 | 4299.7 | 4329.8 | 4344.8 | 4364.8 | 4354.8 | 4354.8 |
| 40°    | 2652.9 | 3518.8 | 4114.6 | 4134.6 | 4164.6 | 4129.6 | 4159.6 | 4169.6 | 4179.7 | 4169.6 | 4164.6 |
| 42.5°  | 2392.6 | 3183.5 | 3939.4 | 3964.4 | 3944.4 | 3969.3 | 3979.4 | 3999.4 | 3984.4 | 3964.4 | 3964.4 |
| 45°    | 2192.4 | 3093.4 | 3749.2 | 3779.1 | 3749.2 | 3789.2 | 3804.2 | 3804.2 | 3759.1 | 3749.2 | 3744.1 |
| 47.5°  | 2127.4 | 2913.2 | 3559.0 | 3559.0 | 3543.9 | 3594.0 | 3619.0 | 3583.9 | 3539.0 | 3523.9 | 3523.9 |
| 50°    | 2122.4 | 2713.0 | 3298.7 | 3278.6 | 3348.7 | 3408.8 | 3383.8 | 3348.7 | 3313.7 | 3258.6 | 3258.6 |
| 52.5°  | 1927.1 | 2467.8 | 2963.2 | 3038.4 | 3148.5 | 3183.5 | 3143.5 | 3108.5 | 3048.3 | 3023.4 | 3003.4 |
| 55°    | 1786.9 | 2212.5 | 2658.0 | 2808.1 | 2923.2 | 2968.3 | 2893.2 | 2858.1 | 2768.1 | 2753.0 | 2743.1 |
| 57.5°  | 1757.0 | 1842.0 | 2377.6 | 2567.8 | 2708.0 | 2703.0 | 2658.0 | 2592.9 | 2517.8 | 2502.8 | 2497.7 |
| 60°    | 1611.8 | 1331.5 | 2077.3 | 2302.5 | 2447.7 | 2432.7 | 2392.6 | 2332.6 | 2262.5 | 2252.5 | 2242.5 |
| 62.5°  | 1461.6 | 966.1  | 1736.9 | 1992.2 | 2197.4 | 2192.4 | 2157.4 | 2067.2 | 2017.3 | 1992.2 | 1972.2 |
| 65°    | 1241.4 | 810.9  | 1236.3 | 1656.9 | 1952.2 | 1962.1 | 1887.1 | 1822.0 | 1766.9 | 1736.9 | 1731.9 |
| 67.5°  | 946.1  | 660.7  | 835.9  | 1381.5 | 1716.9 | 1706.9 | 1611.8 | 1581.7 | 1511.6 | 1496.6 | 1466.6 |
| 70°    | 700.8  | 440.4  | 580.7  | 1121.3 | 1486.6 | 1461.6 | 1386.5 | 1351.5 | 1286.4 | 1251.3 | 1231.3 |
| 72.5°  | 580.7  | 355.4  | 425.5  | 870.9  | 1251.3 | 1221.4 | 1156.3 | 1116.3 | 1061.1 | 1031.2 | 1011.1 |
| 75°    | 470.5  | 375.4  | 325.4  | 645.7  | 1016.1 | 996.1  | 936.0  | 896.0  | 850.9  | 810.9  | 815.9  |
| 77.5°  | 345.4  | 350.4  | 260.3  | 475.5  | 805.9  | 775.9  | 740.8  | 690.8  | 670.8  | 630.7  | 630.7  |
| 80°    | 260.3  | 275.3  | 195.2  | 325.4  | 580.7  | 580.7  | 550.6  | 515.6  | 480.6  | 460.5  | 460.5  |
| 82.5°  | 175.2  | 175.2  | 145.1  | 205.2  | 395.5  | 380.4  | 360.4  | 350.4  | 330.4  | 320.4  | 320.4  |
| 85°    | 80.1   | 100.1  | 90.1   | 125.1  | 215.2  | 225.2  | 225.2  | 215.2  | 210.2  | 200.3  | 205.2  |
| 87.5°  | 25.0   | 45.1   | 55.0   | 70.1   | 110.1  | 115.2  | 120.1  | 120.1  | 120.1  | 125.1  | 125.1  |
| 90°    | 6.1    | 10.9   | 15.9   | 17.1   | 26.8   | 39.8   | 46.3   | 41.2   | 30.9   | 23.2   | 23.2   |
| 92.5°  | 24.4   | 65.8   | 107.3  | 117.6  | 165.4  | 229.0  | 260.9  | 228.7  | 164.2  | 115.9  | 111.2  |
| 95°    | 58.6   | 134.4  | 210.3  | 229.2  | 407.0  | 644.2  | 762.7  | 680.5  | 516.4  | 393.2  | 379.2  |
| 97.5°  | 101.2  | 168.1  | 235.1  | 251.8  | 548.3  | 943.6  | 1141.3 | 1089.4 | 985.6  | 907.8  | 881.3  |
| 100°   | 134.1  | 194.8  | 255.5  | 270.7  | 599.7  | 1038.4 | 1257.7 | 1261.5 | 1269.1 | 1274.8 | 1243.1 |
| 102.5° | 162.2  | 218.8  | 275.4  | 289.6  | 623.3  | 1068.2 | 1290.7 | 1356.7 | 1489.0 | 1588.2 | 1561.0 |
| 105°   | 209.7  | 257.6  | 305.6  | 317.6  | 640.7  | 1071.6 | 1287.0 | 1435.2 | 1731.6 | 1954.0 | 1939.4 |
| 107.5° | 258.5  | 303.2  | 348.0  | 359.1  | 644.1  | 1024.0 | 1213.9 | 1420.6 | 1834.2 | 2144.3 | 2147.8 |
| 110°   | 291.5  | 331.8  | 372.2  | 382.3  | 639.1  | 981.7  | 1152.9 | 1384.0 | 1846.3 | 2193.0 | 2208.1 |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 10°   | 20°   | 22.5° | 30°   | 40°   | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| 112.5° | 323.7 | 362.2 | 400.6 | 410.3 | 639.3 | 944.7 | 1097.4 | 1334.0 | 1807.0 | 2161.9 | 2185.2 |
| 115°   | 372.5 | 408.0 | 443.5 | 452.4 | 645.2 | 902.4 | 1031.0 | 1258.8 | 1714.6 | 2056.4 | 2088.7 |
| 117.5° | 420.6 | 452.9 | 485.1 | 493.2 | 657.2 | 875.9 | 985.2  | 1190.9 | 1602.2 | 1910.7 | 1946.5 |
| 120°   | 448.7 | 479.1 | 509.4 | 517.0 | 666.9 | 867.0 | 967.0  | 1154.9 | 1530.7 | 1812.6 | 1847.4 |
| 122.5° | 476.1 | 506.8 | 537.4 | 545.1 | 681.0 | 862.3 | 952.9  | 1122.1 | 1460.6 | 1714.4 | 1748.7 |
| 125°   | 518.2 | 546.1 | 574.0 | 581.0 | 700.0 | 858.4 | 937.7  | 1081.4 | 1368.9 | 1584.5 | 1616.2 |
| 127.5° | 552.4 | 580.6 | 608.8 | 615.8 | 718.8 | 856.1 | 924.9  | 1048.3 | 1295.1 | 1480.3 | 1507.0 |
| 130°   | 570.7 | 601.1 | 631.3 | 638.9 | 732.6 | 857.5 | 920.0  | 1029.9 | 1249.7 | 1414.4 | 1439.1 |
| 132.5° | 589.5 | 619.9 | 650.3 | 657.9 | 743.8 | 858.4 | 915.7  | 1014.1 | 1210.8 | 1358.3 | 1380.4 |
| 135°   | 617.6 | 645.2 | 672.8 | 679.7 | 756.0 | 857.6 | 908.4  | 990.8  | 1155.6 | 1279.1 | 1298.2 |
| 137.5° | 646.2 | 673.6 | 701.0 | 707.8 | 774.3 | 862.9 | 907.2  | 976.8  | 1116.2 | 1220.6 | 1236.1 |
| 140°   | 670.0 | 695.2 | 720.4 | 726.7 | 785.4 | 863.7 | 902.9  | 963.0  | 1083.4 | 1173.6 | 1188.2 |
| 142.5° | 688.3 | 711.6 | 735.0 | 740.8 | 794.8 | 866.9 | 902.9  | 955.7  | 1061.4 | 1140.7 | 1153.2 |
| 145°   | 716.3 | 736.6 | 757.0 | 762.1 | 807.0 | 866.9 | 896.9  | 940.1  | 1026.5 | 1091.3 | 1100.8 |
| 147.5° | 744.4 | 764.2 | 784.0 | 788.9 | 824.9 | 872.9 | 896.9  | 930.9  | 998.9  | 1049.9 | 1057.8 |
| 150°   | 762.7 | 780.5 | 798.5 | 802.9 | 834.3 | 876.0 | 896.9  | 925.6  | 982.9  | 1026.0 | 1032.4 |
| 152.5° | 781.6 | 795.1 | 808.7 | 812.1 | 840.4 | 878.0 | 896.9  | 921.4  | 970.4  | 1007.2 | 1012.0 |
| 155°   | 809.6 | 819.7 | 829.7 | 832.2 | 853.8 | 882.5 | 896.9  | 916.4  | 955.3  | 984.6  | 987.8  |
| 157.5° | 830.4 | 840.2 | 849.8 | 852.3 | 867.2 | 887.0 | 896.9  | 912.0  | 942.3  | 965.1  | 967.4  |
| 160°   | 844.4 | 852.0 | 859.6 | 861.5 | 873.3 | 889.0 | 896.9  | 909.9  | 935.8  | 955.3  | 956.6  |
| 162.5° | 858.4 | 864.1 | 869.8 | 871.2 | 879.8 | 891.1 | 896.9  | 907.8  | 929.7  | 946.2  | 947.3  |
| 165°   | 873.7 | 878.8 | 883.9 | 885.2 | 889.1 | 894.3 | 896.9  | 904.8  | 920.4  | 932.2  | 933.4  |
| 167.5° | 887.7 | 890.1 | 892.5 | 893.1 | 896.4 | 900.7 | 902.9  | 908.0  | 918.4  | 926.1  | 926.6  |
| 170°   | 896.9 | 899.2 | 901.7 | 902.3 | 902.5 | 902.8 | 902.9  | 908.0  | 918.4  | 926.1  | 926.1  |
| 172.5° | 901.7 | 902.2 | 902.8 | 902.9 | 902.9 | 902.9 | 902.9  | 906.9  | 915.1  | 921.2  | 920.7  |
| 175°   | 908.4 | 908.4 | 908.4 | 908.4 | 906.5 | 904.1 | 902.9  | 905.4  | 910.7  | 914.5  | 914.5  |
| 177.5° | 908.4 | 908.4 | 908.4 | 908.4 | 907.0 | 905.1 | 904.2  | 906.2  | 910.3  | 913.3  | 912.7  |
| 180°   | 908.4 | 908.4 | 908.4 | 908.4 | 908.4 | 908.4 | 908.4  | 908.4  | 908.4  | 908.4  | 908.4  |

TEST NUMBER: P934578

CATALOG NUMBER: SQ4-FA-050U-125D-B2750-1D-UNV-W2A-W-12-3000K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    | 100°   | 110°   | 112.5° | 120°   | 130°   | 135°   | 140°   | 150°   | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 5290.9 | 5290.9 | 5290.9 | 5290.9 | 5290.9 | 5290.9 | 5290.9 | 5290.9 | 5290.9 | 5290.9 | 5290.9 |
| 2.5°   | 5426.0 | 5411.0 | 5426.0 | 5416.0 | 5421.0 | 5405.9 | 5360.9 | 5345.9 | 5360.9 | 5376.0 | 5376.0 |
| 5°     | 5491.0 | 5481.1 | 5491.0 | 5491.0 | 5486.1 | 5476.0 | 5426.0 | 5416.0 | 5426.0 | 5431.0 | 5421.0 |
| 7.5°   | 5511.0 | 5496.1 | 5511.0 | 5501.1 | 5501.1 | 5491.0 | 5441.0 | 5431.0 | 5436.0 | 5451.0 | 5436.0 |
| 10°    | 5511.0 | 5496.1 | 5511.0 | 5506.1 | 5501.1 | 5491.0 | 5441.0 | 5421.0 | 5421.0 | 5436.0 | 5421.0 |
| 12.5°  | 5486.1 | 5476.0 | 5486.1 | 5476.0 | 5476.0 | 5466.0 | 5416.0 | 5396.0 | 5400.9 | 5405.9 | 5385.9 |
| 15°    | 5446.0 | 5431.0 | 5446.0 | 5436.0 | 5441.0 | 5426.0 | 5370.9 | 5350.9 | 5350.9 | 5360.9 | 5325.9 |
| 17.5°  | 5385.9 | 5365.9 | 5385.9 | 5380.9 | 5376.0 | 5365.9 | 5315.8 | 5295.8 | 5290.9 | 5295.8 | 5270.9 |
| 20°    | 5315.8 | 5300.8 | 5315.8 | 5310.9 | 5310.9 | 5290.9 | 5240.8 | 5215.7 | 5215.7 | 5215.7 | 5190.7 |
| 22.5°  | 5205.8 | 5190.7 | 5205.8 | 5215.7 | 5215.7 | 5210.7 | 5165.7 | 5130.7 | 5120.7 | 5120.7 | 5090.6 |
| 25°    | 5080.6 | 5065.6 | 5080.6 | 5080.6 | 5075.6 | 5080.6 | 5065.6 | 5045.6 | 5030.6 | 5015.6 | 4985.5 |
| 27.5°  | 4960.5 | 4950.5 | 4960.5 | 4950.5 | 4960.5 | 4945.5 | 4940.5 | 4935.4 | 4915.4 | 4900.4 | 4860.4 |
| 30°    | 4840.4 | 4830.3 | 4840.4 | 4830.3 | 4820.4 | 4810.3 | 4785.3 | 4775.3 | 4795.3 | 4785.3 | 4720.2 |
| 32.5°  | 4690.2 | 4680.1 | 4690.2 | 4690.2 | 4680.1 | 4680.1 | 4640.1 | 4625.1 | 4630.2 | 4660.1 | 4600.1 |
| 35°    | 4535.0 | 4520.0 | 4535.0 | 4530.0 | 4535.0 | 4520.0 | 4495.0 | 4489.9 | 4469.9 | 4504.9 | 4459.9 |
| 37.5°  | 4354.8 | 4339.8 | 4354.8 | 4354.8 | 4354.8 | 4364.8 | 4344.8 | 4329.8 | 4299.7 | 4344.8 | 4309.8 |
| 40°    | 4169.6 | 4149.6 | 4169.6 | 4164.6 | 4169.6 | 4179.7 | 4169.6 | 4159.6 | 4129.6 | 4164.6 | 4134.6 |
| 42.5°  | 3959.4 | 3954.4 | 3959.4 | 3964.4 | 3964.4 | 3984.4 | 3999.4 | 3979.4 | 3969.3 | 3944.4 | 3964.4 |
| 45°    | 3734.1 | 3724.1 | 3734.1 | 3744.1 | 3749.2 | 3759.1 | 3804.2 | 3804.2 | 3789.2 | 3749.2 | 3779.1 |
| 47.5°  | 3493.9 | 3468.8 | 3493.9 | 3523.9 | 3523.9 | 3539.0 | 3583.9 | 3619.0 | 3594.0 | 3543.9 | 3559.0 |
| 50°    | 3238.6 | 3243.5 | 3238.6 | 3258.6 | 3258.6 | 3313.7 | 3348.7 | 3383.8 | 3408.8 | 3348.7 | 3278.6 |
| 52.5°  | 2988.3 | 2983.3 | 2988.3 | 3003.4 | 3023.4 | 3048.3 | 3108.5 | 3143.5 | 3183.5 | 3148.5 | 3038.4 |
| 55°    | 2738.0 | 2748.1 | 2738.0 | 2743.1 | 2753.0 | 2768.1 | 2858.1 | 2893.2 | 2968.3 | 2923.2 | 2808.1 |
| 57.5°  | 2487.8 | 2472.7 | 2487.8 | 2497.7 | 2502.8 | 2517.8 | 2592.9 | 2658.0 | 2703.0 | 2708.0 | 2567.8 |
| 60°    | 2197.4 | 2177.4 | 2197.4 | 2242.5 | 2252.5 | 2262.5 | 2332.6 | 2392.6 | 2432.7 | 2447.7 | 2302.5 |
| 62.5°  | 1942.1 | 1907.1 | 1942.1 | 1972.2 | 1992.2 | 2017.3 | 2067.2 | 2157.4 | 2192.4 | 2197.4 | 1992.2 |
| 65°    | 1671.9 | 1656.9 | 1671.9 | 1731.9 | 1736.9 | 1766.9 | 1822.0 | 1887.1 | 1962.1 | 1952.2 | 1656.9 |
| 67.5°  | 1426.5 | 1426.5 | 1426.5 | 1466.6 | 1496.6 | 1511.6 | 1581.7 | 1611.8 | 1706.9 | 1716.9 | 1381.5 |
| 70°    | 1201.3 | 1196.3 | 1201.3 | 1231.3 | 1251.3 | 1286.4 | 1351.5 | 1386.5 | 1461.6 | 1486.6 | 1121.3 |
| 72.5°  | 986.1  | 981.1  | 986.1  | 1011.1 | 1031.2 | 1061.1 | 1116.3 | 1156.3 | 1221.4 | 1251.3 | 870.9  |
| 75°    | 795.9  | 785.8  | 795.9  | 815.9  | 810.9  | 850.9  | 896.0  | 936.0  | 996.1  | 1016.1 | 645.7  |
| 77.5°  | 610.6  | 610.6  | 610.6  | 630.7  | 630.7  | 670.8  | 690.8  | 740.8  | 775.9  | 805.9  | 475.5  |
| 80°    | 455.5  | 450.5  | 455.5  | 460.5  | 460.5  | 480.6  | 515.6  | 550.6  | 580.7  | 580.7  | 325.4  |
| 82.5°  | 320.4  | 310.3  | 320.4  | 320.4  | 320.4  | 330.4  | 350.4  | 360.4  | 380.4  | 395.5  | 205.2  |
| 85°    | 200.3  | 200.3  | 200.3  | 205.2  | 200.3  | 210.2  | 215.2  | 225.2  | 225.2  | 215.2  | 125.1  |
| 87.5°  | 130.2  | 125.1  | 130.2  | 125.1  | 125.1  | 120.1  | 120.1  | 120.1  | 115.2  | 110.1  | 70.1   |
| 90°    | 23.2   | 23.2   | 23.2   | 23.2   | 23.2   | 30.9   | 41.2   | 46.3   | 39.8   | 26.8   | 17.1   |
| 92.5°  | 92.8   | 74.3   | 92.8   | 111.2  | 115.9  | 164.2  | 228.7  | 260.9  | 229.0  | 165.4  | 117.6  |
| 95°    | 323.4  | 267.6  | 323.4  | 379.2  | 393.2  | 516.4  | 680.5  | 762.7  | 644.2  | 407.0  | 229.2  |
| 97.5°  | 775.0  | 668.8  | 775.0  | 881.3  | 907.8  | 985.6  | 1089.4 | 1141.3 | 943.6  | 548.3  | 251.8  |
| 100°   | 1116.6 | 990.1  | 1116.6 | 1243.1 | 1274.8 | 1269.1 | 1261.5 | 1257.7 | 1038.4 | 599.7  | 270.7  |
| 102.5° | 1452.7 | 1344.3 | 1452.7 | 1561.0 | 1588.2 | 1489.0 | 1356.7 | 1290.7 | 1068.2 | 623.3  | 289.6  |
| 105°   | 1881.2 | 1822.9 | 1881.2 | 1939.4 | 1954.0 | 1731.6 | 1435.2 | 1287.0 | 1071.6 | 640.7  | 317.6  |
| 107.5° | 2161.8 | 2175.9 | 2161.8 | 2147.8 | 2144.3 | 1834.2 | 1420.6 | 1213.9 | 1024.0 | 644.1  | 359.1  |
| 110°   | 2268.8 | 2329.5 | 2268.8 | 2208.1 | 2193.0 | 1846.3 | 1384.0 | 1152.9 | 981.7  | 639.1  | 382.3  |

TEST NUMBER: P934578

CATALOG NUMBER: SQ4-FA-050U-125D-B2750-1D-UNV-W2A-W-12-3000K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    | 100°   | 110°   | 112.5° | 120°   | 130°   | 135°   | 140°  | 150°  | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|--------|
| 112.5° | 2278.4 | 2371.6 | 2278.4 | 2185.2 | 2161.9 | 1807.0 | 1334.0 | 1097.4 | 944.7 | 639.3 | 410.3  |
| 115°   | 2218.0 | 2347.3 | 2218.0 | 2088.7 | 2056.4 | 1714.6 | 1258.8 | 1031.0 | 902.4 | 645.2 | 452.4  |
| 117.5° | 2089.8 | 2233.2 | 2089.8 | 1946.5 | 1910.7 | 1602.2 | 1190.9 | 985.2  | 875.9 | 657.2 | 493.2  |
| 120°   | 1986.7 | 2125.9 | 1986.7 | 1847.4 | 1812.6 | 1530.7 | 1154.9 | 967.0  | 867.0 | 666.9 | 517.0  |
| 122.5° | 1886.1 | 2023.5 | 1886.1 | 1748.7 | 1714.4 | 1460.6 | 1122.1 | 952.9  | 862.3 | 681.0 | 545.1  |
| 125°   | 1742.7 | 1869.3 | 1742.7 | 1616.2 | 1584.5 | 1368.9 | 1081.4 | 937.7  | 858.4 | 700.0 | 581.0  |
| 127.5° | 1613.7 | 1720.5 | 1613.7 | 1507.0 | 1480.3 | 1295.1 | 1048.3 | 924.9  | 856.1 | 718.8 | 615.8  |
| 130°   | 1537.8 | 1636.4 | 1537.8 | 1439.1 | 1414.4 | 1249.7 | 1029.9 | 920.0  | 857.5 | 732.6 | 638.9  |
| 132.5° | 1468.7 | 1557.1 | 1468.7 | 1380.4 | 1358.3 | 1210.8 | 1014.1 | 915.7  | 858.4 | 743.8 | 657.9  |
| 135°   | 1374.3 | 1450.4 | 1374.3 | 1298.2 | 1279.1 | 1155.6 | 990.8  | 908.4  | 857.6 | 756.0 | 679.7  |
| 137.5° | 1298.5 | 1360.8 | 1298.5 | 1236.1 | 1220.6 | 1116.2 | 976.8  | 907.2  | 862.9 | 774.3 | 707.8  |
| 140°   | 1246.4 | 1304.7 | 1246.4 | 1188.2 | 1173.6 | 1083.4 | 963.0  | 902.9  | 863.7 | 785.4 | 726.7  |
| 142.5° | 1203.4 | 1253.5 | 1203.4 | 1153.2 | 1140.7 | 1061.4 | 955.7  | 902.9  | 866.9 | 794.8 | 740.8  |
| 145°   | 1138.7 | 1176.7 | 1138.7 | 1100.8 | 1091.3 | 1026.5 | 940.1  | 896.9  | 866.9 | 807.0 | 762.1  |
| 147.5° | 1089.1 | 1120.6 | 1089.1 | 1057.8 | 1049.9 | 998.9  | 930.9  | 896.9  | 872.9 | 824.9 | 788.9  |
| 150°   | 1057.9 | 1083.4 | 1057.9 | 1032.4 | 1026.0 | 982.9  | 925.6  | 896.9  | 876.0 | 834.3 | 802.9  |
| 152.5° | 1031.3 | 1050.5 | 1031.3 | 1012.0 | 1007.2 | 970.4  | 921.4  | 896.9  | 878.0 | 840.4 | 812.1  |
| 155°   | 1000.6 | 1013.3 | 1000.6 | 987.8  | 984.6  | 955.3  | 916.4  | 896.9  | 882.5 | 853.8 | 832.2  |
| 157.5° | 976.2  | 985.2  | 976.2  | 967.4  | 965.1  | 942.3  | 912.0  | 896.9  | 887.0 | 867.2 | 852.3  |
| 160°   | 961.8  | 967.0  | 961.8  | 956.6  | 955.3  | 935.8  | 909.9  | 896.9  | 889.0 | 873.3 | 861.5  |
| 162.5° | 952.3  | 957.2  | 952.3  | 947.3  | 946.2  | 929.7  | 907.8  | 896.9  | 891.1 | 879.8 | 871.2  |
| 165°   | 938.7  | 943.8  | 938.7  | 933.4  | 932.2  | 920.4  | 904.8  | 896.9  | 894.3 | 889.1 | 885.2  |
| 167.5° | 928.8  | 931.0  | 928.8  | 926.6  | 926.1  | 918.4  | 908.0  | 902.9  | 900.7 | 896.4 | 893.1  |
| 170°   | 926.1  | 926.1  | 926.1  | 926.1  | 926.1  | 918.4  | 908.0  | 902.9  | 902.8 | 902.5 | 902.3  |
| 172.5° | 918.9  | 917.0  | 918.9  | 920.7  | 921.2  | 915.1  | 906.9  | 902.9  | 902.9 | 902.9 | 902.9  |
| 175°   | 914.5  | 914.5  | 914.5  | 914.5  | 914.5  | 910.7  | 905.4  | 902.9  | 904.1 | 906.5 | 908.4  |
| 177.5° | 910.6  | 908.4  | 910.6  | 912.7  | 913.3  | 910.3  | 906.2  | 904.2  | 905.1 | 907.0 | 908.4  |
| 180°   | 908.4  | 908.4  | 908.4  | 908.4  | 908.4  | 908.4  | 908.4  | 908.4  | 908.4 | 908.4 | 908.4  |

TEST NUMBER: P934578

CATALOG NUMBER: SQ4-FA-050U-125D-B2750-1D-UNV-W2A-W-12-3000K

**CANDELA DISTRIBUTION (continued):**

|        | 160°   | 170°   | 180°   | 190°   | 200°   | 202.5° | 210°   | 220°   | 225°   | 230°   | 240°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 5290.9 | 5290.9 | 5290.9 | 5290.9 | 5290.9 | 5290.9 | 5290.9 | 5290.9 | 5290.9 | 5290.9 | 5290.9 |
| 2.5°   | 5365.9 | 5335.9 | 5335.9 | 5285.8 | 5265.8 | 5250.8 | 5225.8 | 5150.7 | 5130.7 | 5110.6 | 5140.7 |
| 5°     | 5411.0 | 5356.0 | 5315.8 | 5225.8 | 5150.7 | 5120.7 | 5025.5 | 4845.3 | 4725.2 | 4635.1 | 4585.1 |
| 7.5°   | 5421.0 | 5350.9 | 5275.8 | 5135.7 | 4955.4 | 4875.4 | 4585.1 | 4254.7 | 4164.6 | 4084.5 | 4034.4 |
| 10°    | 5411.0 | 5330.9 | 5225.8 | 5015.6 | 4590.0 | 4449.9 | 4159.6 | 3944.4 | 3889.3 | 3874.3 | 3889.3 |
| 12.5°  | 5376.0 | 5300.8 | 5155.7 | 4805.3 | 4209.6 | 4114.6 | 3944.4 | 3819.2 | 3809.2 | 3834.3 | 3969.3 |
| 15°    | 5315.8 | 5245.8 | 5075.6 | 4525.0 | 3999.4 | 3929.3 | 3809.2 | 3764.2 | 3819.2 | 3994.4 | 4399.8 |
| 17.5°  | 5255.8 | 5175.7 | 4965.5 | 4249.7 | 3839.3 | 3789.2 | 3704.1 | 3794.2 | 4104.5 | 4339.8 | 4475.0 |
| 20°    | 5175.7 | 5080.6 | 4840.4 | 4049.5 | 3724.1 | 3679.1 | 3639.0 | 4044.5 | 4279.7 | 4364.8 | 4439.9 |
| 22.5°  | 5080.6 | 4980.5 | 4670.2 | 3909.3 | 3604.0 | 3568.9 | 3594.0 | 4184.6 | 4279.7 | 4339.8 | 4404.9 |
| 25°    | 4955.4 | 4870.3 | 4469.9 | 3799.2 | 3508.9 | 3468.8 | 3563.9 | 4169.6 | 4224.6 | 4239.7 | 4369.9 |
| 27.5°  | 4840.4 | 4730.2 | 4259.7 | 3699.1 | 3393.7 | 3378.7 | 3588.9 | 4104.5 | 4144.6 | 4159.6 | 4299.7 |
| 30°    | 4700.2 | 4535.0 | 4024.5 | 3594.0 | 3273.6 | 3268.6 | 3594.0 | 4024.5 | 4014.4 | 4054.4 | 4194.6 |
| 32.5°  | 4555.0 | 4244.7 | 3759.1 | 3463.8 | 3158.5 | 3153.5 | 3559.0 | 3904.3 | 3894.3 | 3949.3 | 4054.4 |
| 35°    | 4419.8 | 4019.4 | 3398.7 | 3313.7 | 3013.3 | 3018.3 | 3473.9 | 3764.2 | 3769.2 | 3819.2 | 3884.2 |
| 37.5°  | 4279.7 | 3824.2 | 3003.4 | 3148.5 | 2873.2 | 2873.2 | 3358.7 | 3634.0 | 3624.0 | 3639.0 | 3729.2 |
| 40°    | 4114.6 | 3518.8 | 2652.9 | 2933.3 | 2743.1 | 2728.0 | 3218.6 | 3493.9 | 3458.8 | 3453.9 | 3579.0 |
| 42.5°  | 3939.4 | 3183.5 | 2392.6 | 2647.9 | 2592.9 | 2572.9 | 3048.3 | 3323.7 | 3258.6 | 3273.6 | 3433.7 |
| 45°    | 3749.2 | 3093.4 | 2192.4 | 2237.4 | 2437.7 | 2422.7 | 2863.1 | 3128.5 | 3083.4 | 3123.5 | 3288.6 |
| 47.5°  | 3559.0 | 2913.2 | 2127.4 | 1857.0 | 2272.5 | 2267.5 | 2658.0 | 2938.3 | 2913.2 | 2953.3 | 3128.5 |
| 50°    | 3298.7 | 2713.0 | 2122.4 | 1591.8 | 2087.3 | 2107.3 | 2412.6 | 2753.0 | 2753.0 | 2788.1 | 2973.3 |
| 52.5°  | 2963.2 | 2467.8 | 1927.1 | 1441.6 | 1872.0 | 1932.2 | 2197.4 | 2592.9 | 2602.8 | 2637.9 | 2803.1 |
| 55°    | 2658.0 | 2212.5 | 1786.9 | 1326.5 | 1616.7 | 1746.9 | 1987.2 | 2427.6 | 2447.7 | 2482.7 | 2632.9 |
| 57.5°  | 2377.6 | 1842.0 | 1757.0 | 1191.3 | 1381.5 | 1506.7 | 1802.0 | 2267.5 | 2277.6 | 2307.5 | 2452.7 |
| 60°    | 2077.3 | 1331.5 | 1611.8 | 1046.1 | 1176.3 | 1271.4 | 1631.8 | 2077.3 | 2112.3 | 2132.3 | 2257.4 |
| 62.5°  | 1736.9 | 966.1  | 1461.6 | 946.1  | 1076.2 | 1096.2 | 1491.6 | 1897.1 | 1942.1 | 1957.1 | 2032.2 |
| 65°    | 1236.3 | 810.9  | 1241.4 | 861.0  | 971.1  | 976.0  | 1341.5 | 1711.9 | 1751.9 | 1777.0 | 1832.0 |
| 67.5°  | 835.9  | 660.7  | 946.1  | 780.8  | 890.9  | 896.0  | 1196.3 | 1496.6 | 1551.7 | 1571.8 | 1606.8 |
| 70°    | 580.7  | 440.4  | 700.8  | 695.7  | 800.9  | 810.9  | 1041.1 | 1301.4 | 1351.5 | 1366.5 | 1386.5 |
| 72.5°  | 425.5  | 355.4  | 580.7  | 625.7  | 705.8  | 715.8  | 881.0  | 1081.1 | 1131.2 | 1146.2 | 1156.3 |
| 75°    | 325.4  | 375.4  | 470.5  | 545.6  | 600.7  | 605.7  | 720.8  | 881.0  | 916.0  | 926.1  | 931.0  |
| 77.5°  | 260.3  | 350.4  | 345.4  | 440.4  | 490.5  | 480.6  | 565.7  | 680.7  | 710.8  | 710.8  | 710.8  |
| 80°    | 195.2  | 275.3  | 260.3  | 315.3  | 360.4  | 350.4  | 405.4  | 485.5  | 495.6  | 505.5  | 500.6  |
| 82.5°  | 145.1  | 175.2  | 175.2  | 200.3  | 240.3  | 230.2  | 270.3  | 315.3  | 315.3  | 315.3  | 325.4  |
| 85°    | 90.1   | 100.1  | 80.1   | 105.1  | 135.2  | 130.2  | 150.2  | 170.2  | 175.2  | 175.2  | 165.2  |
| 87.5°  | 55.0   | 45.1   | 25.0   | 40.0   | 60.0   | 60.0   | 70.1   | 75.0   | 70.1   | 70.1   | 70.1   |
| 90°    | 15.9   | 10.9   | 6.1    | 10.9   | 15.9   | 17.1   | 26.8   | 39.8   | 46.3   | 41.2   | 30.9   |
| 92.5°  | 107.3  | 65.8   | 24.4   | 65.8   | 107.3  | 117.6  | 165.4  | 229.0  | 260.9  | 228.7  | 164.2  |
| 95°    | 210.3  | 134.4  | 58.6   | 134.4  | 210.3  | 229.2  | 407.0  | 644.2  | 762.7  | 680.5  | 516.4  |
| 97.5°  | 235.1  | 168.1  | 101.2  | 168.1  | 235.1  | 251.8  | 548.3  | 943.6  | 1141.3 | 1089.4 | 985.6  |
| 100°   | 255.5  | 194.8  | 134.1  | 194.8  | 255.5  | 270.7  | 599.7  | 1038.4 | 1257.7 | 1261.5 | 1269.1 |
| 102.5° | 275.4  | 218.8  | 162.2  | 218.8  | 275.4  | 289.6  | 623.3  | 1068.2 | 1290.7 | 1356.7 | 1489.0 |
| 105°   | 305.6  | 257.6  | 209.7  | 257.6  | 305.6  | 317.6  | 640.7  | 1071.6 | 1287.0 | 1435.2 | 1731.6 |
| 107.5° | 348.0  | 303.2  | 258.5  | 303.2  | 348.0  | 359.1  | 644.1  | 1024.0 | 1213.9 | 1420.6 | 1834.2 |
| 110°   | 372.2  | 331.8  | 291.5  | 331.8  | 372.2  | 382.3  | 639.1  | 981.7  | 1152.9 | 1384.0 | 1846.3 |

TEST NUMBER: P934578

CATALOG NUMBER: SQ4-FA-050U-125D-B2750-1D-UNV-W2A-W-12-3000K

**CANDELA DISTRIBUTION (continued):**

|        | 160°  | 170°  | 180°  | 190°  | 200°  | 202.5° | 210°  | 220°  | 225°   | 230°   | 240°   |
|--------|-------|-------|-------|-------|-------|--------|-------|-------|--------|--------|--------|
| 112.5° | 400.6 | 362.2 | 323.7 | 362.2 | 400.6 | 410.3  | 639.3 | 944.7 | 1097.4 | 1334.0 | 1807.0 |
| 115°   | 443.5 | 408.0 | 372.5 | 408.0 | 443.5 | 452.4  | 645.2 | 902.4 | 1031.0 | 1258.8 | 1714.6 |
| 117.5° | 485.1 | 452.9 | 420.6 | 452.9 | 485.1 | 493.2  | 657.2 | 875.9 | 985.2  | 1190.9 | 1602.2 |
| 120°   | 509.4 | 479.1 | 448.7 | 479.1 | 509.4 | 517.0  | 666.9 | 867.0 | 967.0  | 1154.9 | 1530.7 |
| 122.5° | 537.4 | 506.8 | 476.1 | 506.8 | 537.4 | 545.1  | 681.0 | 862.3 | 952.9  | 1122.1 | 1460.6 |
| 125°   | 574.0 | 546.1 | 518.2 | 546.1 | 574.0 | 581.0  | 700.0 | 858.4 | 937.7  | 1081.4 | 1368.9 |
| 127.5° | 608.8 | 580.6 | 552.4 | 580.6 | 608.8 | 615.8  | 718.8 | 856.1 | 924.9  | 1048.3 | 1295.1 |
| 130°   | 631.3 | 601.1 | 570.7 | 601.1 | 631.3 | 638.9  | 732.6 | 857.5 | 920.0  | 1029.9 | 1249.7 |
| 132.5° | 650.3 | 619.9 | 589.5 | 619.9 | 650.3 | 657.9  | 743.8 | 858.4 | 915.7  | 1014.1 | 1210.8 |
| 135°   | 672.8 | 645.2 | 617.6 | 645.2 | 672.8 | 679.7  | 756.0 | 857.6 | 908.4  | 990.8  | 1155.6 |
| 137.5° | 701.0 | 673.6 | 646.2 | 673.6 | 701.0 | 707.8  | 774.3 | 862.9 | 907.2  | 976.8  | 1116.2 |
| 140°   | 720.4 | 695.2 | 670.0 | 695.2 | 720.4 | 726.7  | 785.4 | 863.7 | 902.9  | 963.0  | 1083.4 |
| 142.5° | 735.0 | 711.6 | 688.3 | 711.6 | 735.0 | 740.8  | 794.8 | 866.9 | 902.9  | 955.7  | 1061.4 |
| 145°   | 757.0 | 736.6 | 716.3 | 736.6 | 757.0 | 762.1  | 807.0 | 866.9 | 896.9  | 940.1  | 1026.5 |
| 147.5° | 784.0 | 764.2 | 744.4 | 764.2 | 784.0 | 788.9  | 824.9 | 872.9 | 896.9  | 930.9  | 998.9  |
| 150°   | 798.5 | 780.5 | 762.7 | 780.5 | 798.5 | 802.9  | 834.3 | 876.0 | 896.9  | 925.6  | 982.9  |
| 152.5° | 808.7 | 795.1 | 781.6 | 795.1 | 808.7 | 812.1  | 840.4 | 878.0 | 896.9  | 921.4  | 970.4  |
| 155°   | 829.7 | 819.7 | 809.6 | 819.7 | 829.7 | 832.2  | 853.8 | 882.5 | 896.9  | 916.4  | 955.3  |
| 157.5° | 849.8 | 840.2 | 830.4 | 840.2 | 849.8 | 852.3  | 867.2 | 887.0 | 896.9  | 912.0  | 942.3  |
| 160°   | 859.6 | 852.0 | 844.4 | 852.0 | 859.6 | 861.5  | 873.3 | 889.0 | 896.9  | 909.9  | 935.8  |
| 162.5° | 869.8 | 864.1 | 858.4 | 864.1 | 869.8 | 871.2  | 879.8 | 891.1 | 896.9  | 907.8  | 929.7  |
| 165°   | 883.9 | 878.8 | 873.7 | 878.8 | 883.9 | 885.2  | 889.1 | 894.3 | 896.9  | 904.8  | 920.4  |
| 167.5° | 892.5 | 890.1 | 887.7 | 890.1 | 892.5 | 893.1  | 896.4 | 900.7 | 902.9  | 908.0  | 918.4  |
| 170°   | 901.7 | 899.2 | 896.9 | 899.2 | 901.7 | 902.3  | 902.5 | 902.8 | 902.9  | 908.0  | 918.4  |
| 172.5° | 902.8 | 902.2 | 901.7 | 902.2 | 902.8 | 902.9  | 902.9 | 902.9 | 902.9  | 906.9  | 915.1  |
| 175°   | 908.4 | 908.4 | 908.4 | 908.4 | 908.4 | 908.4  | 906.5 | 904.1 | 902.9  | 905.4  | 910.7  |
| 177.5° | 908.4 | 908.4 | 908.4 | 908.4 | 908.4 | 908.4  | 907.0 | 905.1 | 904.2  | 906.2  | 910.3  |
| 180°   | 908.4 | 908.4 | 908.4 | 908.4 | 908.4 | 908.4  | 908.4 | 908.4 | 908.4  | 908.4  | 908.4  |

TEST NUMBER: P934578

CATALOG NUMBER: SQ4-FA-050U-125D-B2750-1D-UNV-W2A-W-12-3000K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 260°   | 270°   | 280°   | 290°   | 292.5° | 300°   | 310°   | 315°   | 320°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 5290.9 | 5290.9 | 5290.9 | 5290.9 | 5290.9 | 5290.9 | 5290.9 | 5290.9 | 5290.9 | 5290.9 | 5290.9 |
| 2.5°   | 5105.6 | 5090.6 | 5110.6 | 5055.6 | 5110.6 | 5090.6 | 5105.6 | 5140.7 | 5110.6 | 5130.7 | 5150.7 |
| 5°     | 4480.0 | 4454.9 | 4374.8 | 4309.8 | 4374.8 | 4454.9 | 4480.0 | 4585.1 | 4635.1 | 4725.2 | 4845.3 |
| 7.5°   | 4004.4 | 3984.4 | 3964.4 | 3924.4 | 3964.4 | 3984.4 | 4004.4 | 4034.4 | 4084.5 | 4164.6 | 4254.7 |
| 10°    | 3899.3 | 3904.3 | 3934.3 | 3929.3 | 3934.3 | 3904.3 | 3899.3 | 3889.3 | 3874.3 | 3889.3 | 3944.4 |
| 12.5°  | 4169.6 | 4214.7 | 4379.8 | 4369.9 | 4379.8 | 4214.7 | 4169.6 | 3969.3 | 3834.3 | 3809.2 | 3819.2 |
| 15°    | 4480.0 | 4495.0 | 4530.0 | 4535.0 | 4530.0 | 4495.0 | 4480.0 | 4399.8 | 3994.4 | 3819.2 | 3764.2 |
| 17.5°  | 4510.0 | 4515.0 | 4540.0 | 4540.0 | 4540.0 | 4515.0 | 4510.0 | 4475.0 | 4339.8 | 4104.5 | 3794.2 |
| 20°    | 4484.9 | 4495.0 | 4545.1 | 4555.0 | 4545.1 | 4495.0 | 4484.9 | 4439.9 | 4364.8 | 4279.7 | 4044.5 |
| 22.5°  | 4475.0 | 4495.0 | 4535.0 | 4530.0 | 4535.0 | 4495.0 | 4475.0 | 4404.9 | 4339.8 | 4279.7 | 4184.6 |
| 25°    | 4424.9 | 4424.9 | 4429.9 | 4434.9 | 4429.9 | 4424.9 | 4424.9 | 4369.9 | 4239.7 | 4224.6 | 4169.6 |
| 27.5°  | 4319.8 | 4329.8 | 4359.8 | 4354.8 | 4359.8 | 4329.8 | 4319.8 | 4299.7 | 4159.6 | 4144.6 | 4104.5 |
| 30°    | 4224.6 | 4214.7 | 4189.6 | 4169.6 | 4189.6 | 4214.7 | 4224.6 | 4194.6 | 4054.4 | 4014.4 | 4024.5 |
| 32.5°  | 4064.5 | 4039.4 | 4014.4 | 3999.4 | 4014.4 | 4039.4 | 4064.5 | 4054.4 | 3949.3 | 3894.3 | 3904.3 |
| 35°    | 3874.3 | 3879.3 | 3874.3 | 3859.3 | 3874.3 | 3879.3 | 3874.3 | 3884.2 | 3819.2 | 3769.2 | 3764.2 |
| 37.5°  | 3739.1 | 3749.2 | 3744.1 | 3724.1 | 3744.1 | 3749.2 | 3739.1 | 3729.2 | 3639.0 | 3624.0 | 3634.0 |
| 40°    | 3599.0 | 3604.0 | 3599.0 | 3583.9 | 3599.0 | 3604.0 | 3599.0 | 3579.0 | 3453.9 | 3458.8 | 3493.9 |
| 42.5°  | 3463.8 | 3458.8 | 3443.8 | 3433.7 | 3443.8 | 3458.8 | 3463.8 | 3433.7 | 3273.6 | 3258.6 | 3323.7 |
| 45°    | 3308.6 | 3313.7 | 3283.6 | 3268.6 | 3283.6 | 3313.7 | 3308.6 | 3288.6 | 3123.5 | 3083.4 | 3128.5 |
| 47.5°  | 3153.5 | 3153.5 | 3128.5 | 3113.4 | 3128.5 | 3153.5 | 3153.5 | 3128.5 | 2953.3 | 2913.2 | 2938.3 |
| 50°    | 2988.3 | 2983.3 | 2948.2 | 2943.2 | 2948.2 | 2983.3 | 2988.3 | 2973.3 | 2788.1 | 2753.0 | 2753.0 |
| 52.5°  | 2798.1 | 2798.1 | 2803.1 | 2813.1 | 2803.1 | 2798.1 | 2798.1 | 2803.1 | 2637.9 | 2602.8 | 2592.9 |
| 55°    | 2632.9 | 2637.9 | 2672.9 | 2683.0 | 2672.9 | 2637.9 | 2632.9 | 2632.9 | 2482.7 | 2447.7 | 2427.6 |
| 57.5°  | 2462.7 | 2462.7 | 2487.8 | 2487.8 | 2487.8 | 2462.7 | 2462.7 | 2452.7 | 2307.5 | 2277.6 | 2267.5 |
| 60°    | 2267.5 | 2277.6 | 2297.6 | 2292.5 | 2297.6 | 2277.6 | 2267.5 | 2257.4 | 2132.3 | 2112.3 | 2077.3 |
| 62.5°  | 2062.3 | 2072.3 | 2077.3 | 2067.2 | 2077.3 | 2072.3 | 2062.3 | 2032.2 | 1957.1 | 1942.1 | 1897.1 |
| 65°    | 1847.1 | 1857.0 | 1862.1 | 1852.0 | 1862.1 | 1857.0 | 1847.1 | 1832.0 | 1777.0 | 1751.9 | 1711.9 |
| 67.5°  | 1626.8 | 1621.8 | 1616.7 | 1636.8 | 1616.7 | 1621.8 | 1626.8 | 1606.8 | 1571.8 | 1551.7 | 1496.6 |
| 70°    | 1401.5 | 1401.5 | 1396.6 | 1406.5 | 1396.6 | 1401.5 | 1401.5 | 1386.5 | 1366.5 | 1351.5 | 1301.4 |
| 72.5°  | 1161.3 | 1156.3 | 1176.3 | 1161.3 | 1176.3 | 1156.3 | 1161.3 | 1156.3 | 1146.2 | 1131.2 | 1081.1 |
| 75°    | 926.1  | 936.0  | 926.1  | 941.0  | 926.1  | 936.0  | 926.1  | 931.0  | 926.1  | 916.0  | 881.0  |
| 77.5°  | 705.8  | 715.8  | 705.8  | 705.8  | 705.8  | 715.8  | 705.8  | 710.8  | 710.8  | 710.8  | 680.7  |
| 80°    | 500.6  | 495.6  | 495.6  | 490.5  | 495.6  | 495.6  | 500.6  | 500.6  | 505.5  | 495.6  | 485.5  |
| 82.5°  | 320.4  | 315.3  | 315.3  | 325.4  | 315.3  | 315.3  | 320.4  | 325.4  | 315.3  | 315.3  | 315.3  |
| 85°    | 175.2  | 180.2  | 170.2  | 170.2  | 170.2  | 180.2  | 175.2  | 165.2  | 175.2  | 175.2  | 170.2  |
| 87.5°  | 65.1   | 60.0   | 60.0   | 60.0   | 60.0   | 60.0   | 65.1   | 70.1   | 70.1   | 70.1   | 75.0   |
| 90°    | 23.2   | 23.2   | 23.2   | 23.2   | 23.2   | 23.2   | 23.2   | 30.9   | 41.2   | 46.3   | 39.8   |
| 92.5°  | 115.9  | 111.2  | 92.8   | 74.3   | 92.8   | 111.2  | 115.9  | 164.2  | 228.7  | 260.9  | 229.0  |
| 95°    | 393.2  | 379.2  | 323.4  | 267.6  | 323.4  | 379.2  | 393.2  | 516.4  | 680.5  | 762.7  | 644.2  |
| 97.5°  | 907.8  | 881.3  | 775.0  | 668.8  | 775.0  | 881.3  | 907.8  | 985.6  | 1089.4 | 1141.3 | 943.6  |
| 100°   | 1274.8 | 1243.1 | 1116.6 | 990.1  | 1116.6 | 1243.1 | 1274.8 | 1269.1 | 1261.5 | 1257.7 | 1038.4 |
| 102.5° | 1588.2 | 1561.0 | 1452.7 | 1344.3 | 1452.7 | 1561.0 | 1588.2 | 1489.0 | 1356.7 | 1290.7 | 1068.2 |
| 105°   | 1954.0 | 1939.4 | 1881.2 | 1822.9 | 1881.2 | 1939.4 | 1954.0 | 1731.6 | 1435.2 | 1287.0 | 1071.6 |
| 107.5° | 2144.3 | 2147.8 | 2161.8 | 2175.9 | 2161.8 | 2147.8 | 2144.3 | 1834.2 | 1420.6 | 1213.9 | 1024.0 |
| 110°   | 2193.0 | 2208.1 | 2268.8 | 2329.5 | 2268.8 | 2208.1 | 2193.0 | 1846.3 | 1384.0 | 1152.9 | 981.7  |

TEST NUMBER: P934578

CATALOG NUMBER: SQ4-FA-050U-125D-B2750-1D-UNV-W2A-W-12-3000K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 260°   | 270°   | 280°   | 290°   | 292.5° | 300°   | 310°   | 315°   | 320°  |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 112.5° | 2161.9 | 2185.2 | 2278.4 | 2371.6 | 2278.4 | 2185.2 | 2161.9 | 1807.0 | 1334.0 | 1097.4 | 944.7 |
| 115°   | 2056.4 | 2088.7 | 2218.0 | 2347.3 | 2218.0 | 2088.7 | 2056.4 | 1714.6 | 1258.8 | 1031.0 | 902.4 |
| 117.5° | 1910.7 | 1946.5 | 2089.8 | 2233.2 | 2089.8 | 1946.5 | 1910.7 | 1602.2 | 1190.9 | 985.2  | 875.9 |
| 120°   | 1812.6 | 1847.4 | 1986.7 | 2125.9 | 1986.7 | 1847.4 | 1812.6 | 1530.7 | 1154.9 | 967.0  | 867.0 |
| 122.5° | 1714.4 | 1748.7 | 1886.1 | 2023.5 | 1886.1 | 1748.7 | 1714.4 | 1460.6 | 1122.1 | 952.9  | 862.3 |
| 125°   | 1584.5 | 1616.2 | 1742.7 | 1869.3 | 1742.7 | 1616.2 | 1584.5 | 1368.9 | 1081.4 | 937.7  | 858.4 |
| 127.5° | 1480.3 | 1507.0 | 1613.7 | 1720.5 | 1613.7 | 1507.0 | 1480.3 | 1295.1 | 1048.3 | 924.9  | 856.1 |
| 130°   | 1414.4 | 1439.1 | 1537.8 | 1636.4 | 1537.8 | 1439.1 | 1414.4 | 1249.7 | 1029.9 | 920.0  | 857.5 |
| 132.5° | 1358.3 | 1380.4 | 1468.7 | 1557.1 | 1468.7 | 1380.4 | 1358.3 | 1210.8 | 1014.1 | 915.7  | 858.4 |
| 135°   | 1279.1 | 1298.2 | 1374.3 | 1450.4 | 1374.3 | 1298.2 | 1279.1 | 1155.6 | 990.8  | 908.4  | 857.6 |
| 137.5° | 1220.6 | 1236.1 | 1298.5 | 1360.8 | 1298.5 | 1236.1 | 1220.6 | 1116.2 | 976.8  | 907.2  | 862.9 |
| 140°   | 1173.6 | 1188.2 | 1246.4 | 1304.7 | 1246.4 | 1188.2 | 1173.6 | 1083.4 | 963.0  | 902.9  | 863.7 |
| 142.5° | 1140.7 | 1153.2 | 1203.4 | 1253.5 | 1203.4 | 1153.2 | 1140.7 | 1061.4 | 955.7  | 902.9  | 866.9 |
| 145°   | 1091.3 | 1100.8 | 1138.7 | 1176.7 | 1138.7 | 1100.8 | 1091.3 | 1026.5 | 940.1  | 896.9  | 866.9 |
| 147.5° | 1049.9 | 1057.8 | 1089.1 | 1120.6 | 1089.1 | 1057.8 | 1049.9 | 998.9  | 930.9  | 896.9  | 872.9 |
| 150°   | 1026.0 | 1032.4 | 1057.9 | 1083.4 | 1057.9 | 1032.4 | 1026.0 | 982.9  | 925.6  | 896.9  | 876.0 |
| 152.5° | 1007.2 | 1012.0 | 1031.3 | 1050.5 | 1031.3 | 1012.0 | 1007.2 | 970.4  | 921.4  | 896.9  | 878.0 |
| 155°   | 984.6  | 987.8  | 1000.6 | 1013.3 | 1000.6 | 987.8  | 984.6  | 955.3  | 916.4  | 896.9  | 882.5 |
| 157.5° | 965.1  | 967.4  | 976.2  | 985.2  | 976.2  | 967.4  | 965.1  | 942.3  | 912.0  | 896.9  | 887.0 |
| 160°   | 955.3  | 956.6  | 961.8  | 967.0  | 961.8  | 956.6  | 955.3  | 935.8  | 909.9  | 896.9  | 889.0 |
| 162.5° | 946.2  | 947.3  | 952.3  | 957.2  | 952.3  | 947.3  | 946.2  | 929.7  | 907.8  | 896.9  | 891.1 |
| 165°   | 932.2  | 933.4  | 938.7  | 943.8  | 938.7  | 933.4  | 932.2  | 920.4  | 904.8  | 896.9  | 894.3 |
| 167.5° | 926.1  | 926.6  | 928.8  | 931.0  | 928.8  | 926.6  | 926.1  | 918.4  | 908.0  | 902.9  | 900.7 |
| 170°   | 926.1  | 926.1  | 926.1  | 926.1  | 926.1  | 926.1  | 926.1  | 918.4  | 908.0  | 902.9  | 902.8 |
| 172.5° | 921.2  | 920.7  | 918.9  | 917.0  | 918.9  | 920.7  | 921.2  | 915.1  | 906.9  | 902.9  | 902.9 |
| 175°   | 914.5  | 914.5  | 914.5  | 914.5  | 914.5  | 914.5  | 914.5  | 910.7  | 905.4  | 902.9  | 904.1 |
| 177.5° | 913.3  | 912.7  | 910.6  | 908.4  | 910.6  | 912.7  | 913.3  | 910.3  | 906.2  | 904.2  | 905.1 |
| 180°   | 908.4  | 908.4  | 908.4  | 908.4  | 908.4  | 908.4  | 908.4  | 908.4  | 908.4  | 908.4  | 908.4 |

TEST NUMBER: P934578

CATALOG NUMBER: SQ4-FA-050U-125D-B2750-1D-UNV-W2A-W-12-3000K

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 337.5° | 340°   | 350°   | 360°   |
|--------|--------|--------|--------|--------|--------|
| 0°     | 5290.9 | 5290.9 | 5290.9 | 5290.9 | 5290.9 |
| 2.5°   | 5225.8 | 5250.8 | 5265.8 | 5285.8 | 5335.9 |
| 5°     | 5025.5 | 5120.7 | 5150.7 | 5225.8 | 5315.8 |
| 7.5°   | 4585.1 | 4875.4 | 4955.4 | 5135.7 | 5275.8 |
| 10°    | 4159.6 | 4449.9 | 4590.0 | 5015.6 | 5225.8 |
| 12.5°  | 3944.4 | 4114.6 | 4209.6 | 4805.3 | 5155.7 |
| 15°    | 3809.2 | 3929.3 | 3999.4 | 4525.0 | 5075.6 |
| 17.5°  | 3704.1 | 3789.2 | 3839.3 | 4249.7 | 4965.5 |
| 20°    | 3639.0 | 3679.1 | 3724.1 | 4049.5 | 4840.4 |
| 22.5°  | 3594.0 | 3568.9 | 3604.0 | 3909.3 | 4670.2 |
| 25°    | 3563.9 | 3468.8 | 3508.9 | 3799.2 | 4469.9 |
| 27.5°  | 3588.9 | 3378.7 | 3393.7 | 3699.1 | 4259.7 |
| 30°    | 3594.0 | 3268.6 | 3273.6 | 3594.0 | 4024.5 |
| 32.5°  | 3559.0 | 3153.5 | 3158.5 | 3463.8 | 3759.1 |
| 35°    | 3473.9 | 3018.3 | 3013.3 | 3313.7 | 3398.7 |
| 37.5°  | 3358.7 | 2873.2 | 2873.2 | 3148.5 | 3003.4 |
| 40°    | 3218.6 | 2728.0 | 2743.1 | 2933.3 | 2652.9 |
| 42.5°  | 3048.3 | 2572.9 | 2592.9 | 2647.9 | 2392.6 |
| 45°    | 2863.1 | 2422.7 | 2437.7 | 2237.4 | 2192.4 |
| 47.5°  | 2658.0 | 2267.5 | 2272.5 | 1857.0 | 2127.4 |
| 50°    | 2412.6 | 2107.3 | 2087.3 | 1591.8 | 2122.4 |
| 52.5°  | 2197.4 | 1932.2 | 1872.0 | 1441.6 | 1927.1 |
| 55°    | 1987.2 | 1746.9 | 1616.7 | 1326.5 | 1786.9 |
| 57.5°  | 1802.0 | 1506.7 | 1381.5 | 1191.3 | 1757.0 |
| 60°    | 1631.8 | 1271.4 | 1176.3 | 1046.1 | 1611.8 |
| 62.5°  | 1491.6 | 1096.2 | 1076.2 | 946.1  | 1461.6 |
| 65°    | 1341.5 | 976.0  | 971.1  | 861.0  | 1241.4 |
| 67.5°  | 1196.3 | 896.0  | 890.9  | 780.8  | 946.1  |
| 70°    | 1041.1 | 810.9  | 800.9  | 695.7  | 700.8  |
| 72.5°  | 881.0  | 715.8  | 705.8  | 625.7  | 580.7  |
| 75°    | 720.8  | 605.7  | 600.7  | 545.6  | 470.5  |
| 77.5°  | 565.7  | 480.6  | 490.5  | 440.4  | 345.4  |
| 80°    | 405.4  | 350.4  | 360.4  | 315.3  | 260.3  |
| 82.5°  | 270.3  | 230.2  | 240.3  | 200.3  | 175.2  |
| 85°    | 150.2  | 130.2  | 135.2  | 105.1  | 80.1   |
| 87.5°  | 70.1   | 60.0   | 60.0   | 40.0   | 25.0   |
| 90°    | 26.8   | 17.1   | 15.9   | 10.9   | 6.1    |
| 92.5°  | 165.4  | 117.6  | 107.3  | 65.8   | 24.4   |
| 95°    | 407.0  | 229.2  | 210.3  | 134.4  | 58.6   |
| 97.5°  | 548.3  | 251.8  | 235.1  | 168.1  | 101.2  |
| 100°   | 599.7  | 270.7  | 255.5  | 194.8  | 134.1  |
| 102.5° | 623.3  | 289.6  | 275.4  | 218.8  | 162.2  |
| 105°   | 640.7  | 317.6  | 305.6  | 257.6  | 209.7  |
| 107.5° | 644.1  | 359.1  | 348.0  | 303.2  | 258.5  |
| 110°   | 639.1  | 382.3  | 372.2  | 331.8  | 291.5  |

TEST NUMBER: P934578

CATALOG NUMBER: SQ4-FA-050U-125D-B2750-1D-UNV-W2A-W-12-3000K

**CANDELA DISTRIBUTION (continued):**

|        | 330°  | 337.5° | 340°  | 350°  | 360°  |
|--------|-------|--------|-------|-------|-------|
| 112.5° | 639.3 | 410.3  | 400.6 | 362.2 | 323.7 |
| 115°   | 645.2 | 452.4  | 443.5 | 408.0 | 372.5 |
| 117.5° | 657.2 | 493.2  | 485.1 | 452.9 | 420.6 |
| 120°   | 666.9 | 517.0  | 509.4 | 479.1 | 448.7 |
| 122.5° | 681.0 | 545.1  | 537.4 | 506.8 | 476.1 |
| 125°   | 700.0 | 581.0  | 574.0 | 546.1 | 518.2 |
| 127.5° | 718.8 | 615.8  | 608.8 | 580.6 | 552.4 |
| 130°   | 732.6 | 638.9  | 631.3 | 601.1 | 570.7 |
| 132.5° | 743.8 | 657.9  | 650.3 | 619.9 | 589.5 |
| 135°   | 756.0 | 679.7  | 672.8 | 645.2 | 617.6 |
| 137.5° | 774.3 | 707.8  | 701.0 | 673.6 | 646.2 |
| 140°   | 785.4 | 726.7  | 720.4 | 695.2 | 670.0 |
| 142.5° | 794.8 | 740.8  | 735.0 | 711.6 | 688.3 |
| 145°   | 807.0 | 762.1  | 757.0 | 736.6 | 716.3 |
| 147.5° | 824.9 | 788.9  | 784.0 | 764.2 | 744.4 |
| 150°   | 834.3 | 802.9  | 798.5 | 780.5 | 762.7 |
| 152.5° | 840.4 | 812.1  | 808.7 | 795.1 | 781.6 |
| 155°   | 853.8 | 832.2  | 829.7 | 819.7 | 809.6 |
| 157.5° | 867.2 | 852.3  | 849.8 | 840.2 | 830.4 |
| 160°   | 873.3 | 861.5  | 859.6 | 852.0 | 844.4 |
| 162.5° | 879.8 | 871.2  | 869.8 | 864.1 | 858.4 |
| 165°   | 889.1 | 885.2  | 883.9 | 878.8 | 873.7 |
| 167.5° | 896.4 | 893.1  | 892.5 | 890.1 | 887.7 |
| 170°   | 902.5 | 902.3  | 901.7 | 899.2 | 896.9 |
| 172.5° | 902.9 | 902.9  | 902.8 | 902.2 | 901.7 |
| 175°   | 906.5 | 908.4  | 908.4 | 908.4 | 908.4 |
| 177.5° | 907.0 | 908.4  | 908.4 | 908.4 | 908.4 |
| 180°   | 908.4 | 908.4  | 908.4 | 908.4 | 908.4 |

TEST NUMBER: P934578

CATALOG NUMBER: SQ4-FA-050U-125D-B2750-1D-UNV-W2A-W-12-3000K

**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 | 16.19            | 17.27 | 16.95 | 18.05 | 19.01 | 19.04          | 20.12 | 19.81 | 20.90 | 21.86 |
|                 | 3H   | 16.68            | 17.65 | 17.46 | 18.44 | 19.43 | 20.41          | 21.37 | 21.19 | 22.17 | 23.16 |
|                 | 4H   | 16.88            | 17.79 | 17.68 | 18.60 | 19.60 | 20.87          | 21.78 | 21.66 | 22.58 | 23.58 |
|                 | 6H   | 17.01            | 17.85 | 17.82 | 18.67 | 19.68 | 21.17          | 22.01 | 21.98 | 22.82 | 23.83 |
|                 | 8H   | 17.02            | 17.82 | 17.84 | 18.65 | 19.66 | 21.25          | 22.05 | 22.07 | 22.89 | 23.90 |
|                 | 12H  | 17.00            | 17.76 | 17.82 | 18.59 | 19.63 | 21.30          | 22.06 | 22.13 | 22.89 | 23.93 |
| 4H              | 2H   | 17.25            | 18.16 | 18.05 | 18.97 | 19.96 | 19.48          | 20.39 | 20.28 | 21.19 | 22.19 |
|                 | 3H   | 18.30            | 19.06 | 19.11 | 19.90 | 20.91 | 21.01          | 21.77 | 21.82 | 22.61 | 23.62 |
|                 | 4H   | 18.59            | 19.28 | 19.41 | 20.11 | 21.15 | 21.55          | 22.24 | 22.37 | 23.08 | 24.12 |
|                 | 6H   | 18.72            | 19.32 | 19.57 | 20.18 | 21.23 | 21.93          | 22.53 | 22.77 | 23.39 | 24.44 |
|                 | 8H   | 18.73            | 19.29 | 19.58 | 20.15 | 21.21 | 22.05          | 22.60 | 22.89 | 23.46 | 24.52 |
|                 | 12H  | 18.71            | 19.21 | 19.58 | 20.09 | 21.15 | 22.12          | 22.62 | 22.98 | 23.50 | 24.56 |
| 8H              | 4H   | 19.06            | 19.62 | 19.91 | 20.47 | 21.53 | 21.69          | 22.25 | 22.54 | 23.10 | 24.16 |
|                 | 6H   | 19.33            | 19.79 | 20.20 | 20.69 | 21.75 | 22.14          | 22.60 | 23.02 | 23.50 | 24.56 |
|                 | 8H   | 19.37            | 19.78 | 20.26 | 20.68 | 21.75 | 22.30          | 22.71 | 23.18 | 23.60 | 24.68 |
|                 | 12H  | 19.37            | 19.73 | 20.26 | 20.62 | 21.74 | 22.41          | 22.77 | 23.30 | 23.66 | 24.79 |
| 12H             | 4H   | 19.08            | 19.58 | 19.94 | 20.46 | 21.52 | 21.66          | 22.17 | 22.53 | 23.04 | 24.11 |
|                 | 6H   | 19.39            | 19.80 | 20.28 | 20.70 | 21.77 | 22.14          | 22.55 | 23.02 | 23.44 | 24.52 |
|                 | 8H   | 19.47            | 19.83 | 20.36 | 20.72 | 21.85 | 22.31          | 22.68 | 23.20 | 23.56 | 24.69 |