

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: LUMARK

Report Number: P1440318

Luminaire Tested: XSF100-SFTR-5Hx5V-830-Position 4

Issue Date: 04/15/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1440318  
Test Lab: THIRD PARTY NVLAP  
Issue Date: 7/15/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: LUMARK  
Catalog Number: XSF100-SFTR-5Hx5V-830-Position 4  
Description: LUMARK ALL SELECTABLE LUMINAIRE 100W w/ NEMA 5 FLOOD DISTRIBUTION 3000K CCT  
80 CRI LIGHT ENGINE AT Position 4  
Light Source: (1) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7412.9 lumens  
Efficiency: N/A  
Efficacy: 164.7 lumens/watt  
Luminous Opening: Rectangular (W 0.4' x L: 0.4' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0

Input Watts (W): 45  
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: 28.75 FT

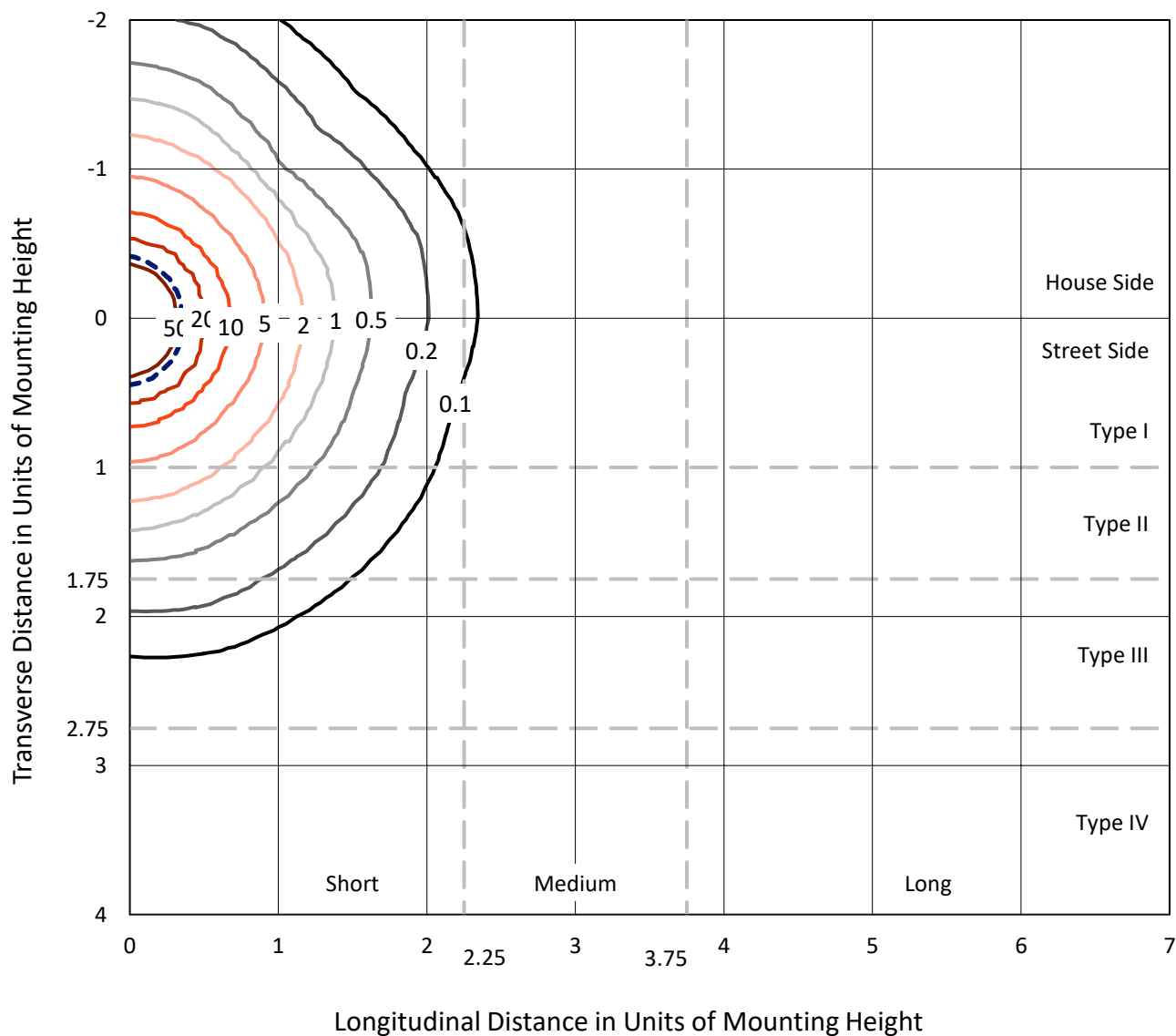
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



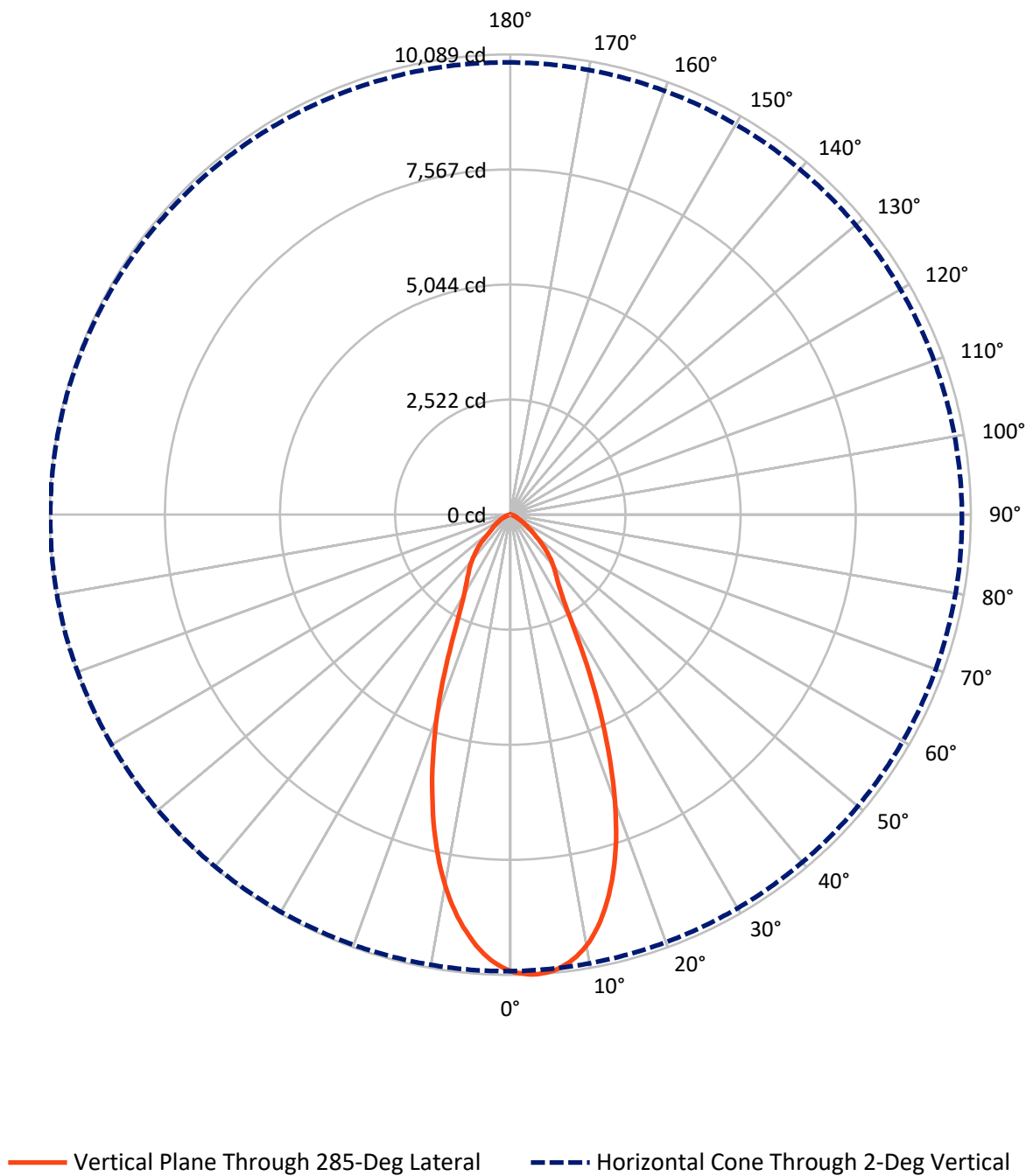
Based on 10 foot mounting height. Maximum calculated value = 100.3 fc

Type V - Short - N/A

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 3601.7   | 0.0    | 3601.7 |
|                    | % Fixture | 48.6     | 0.0    | 48.6   |
| <b>Street Side</b> | Lumens    | 3811.3   | 0.0    | 3811.3 |
|                    | % Fixture | 51.4     | 0.0    | 51.4   |
| <b>Total</b>       | Lumens    | 7412.9   | 0.0    | 7412.9 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 902.1  | 12.2      |
| 10°-20°   | 2132.4 | 28.8      |
| 20°-30°   | 1810.1 | 24.4      |
| 30°-40°   | 1106.9 | 14.9      |
| 40°-50°   | 807.2  | 10.9      |
| 50°-60°   | 400.8  | 5.4       |
| 60°-70°   | 180.4  | 2.4       |
| 70°-80°   | 64.9   | 0.9       |
| 80°-90°   | 8.2    | 0.1       |
| 90°-100°  | 0.0    | 0.0       |
| 100°-110° | 0.0    | 0.0       |
| 110°-120° | 0.0    | 0.0       |
| 120°-130° | 0.0    | 0.0       |
| 130°-140° | 0.0    | 0.0       |
| 140°-150° | 0.0    | 0.0       |
| 150°-160° | 0.0    | 0.0       |
| 160°-170° | 0.0    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-90°    | 7412.9 | 100.0     |
| 0°-180°   | 7412.9 | 100.0     |

**Coefficient of Utilization**



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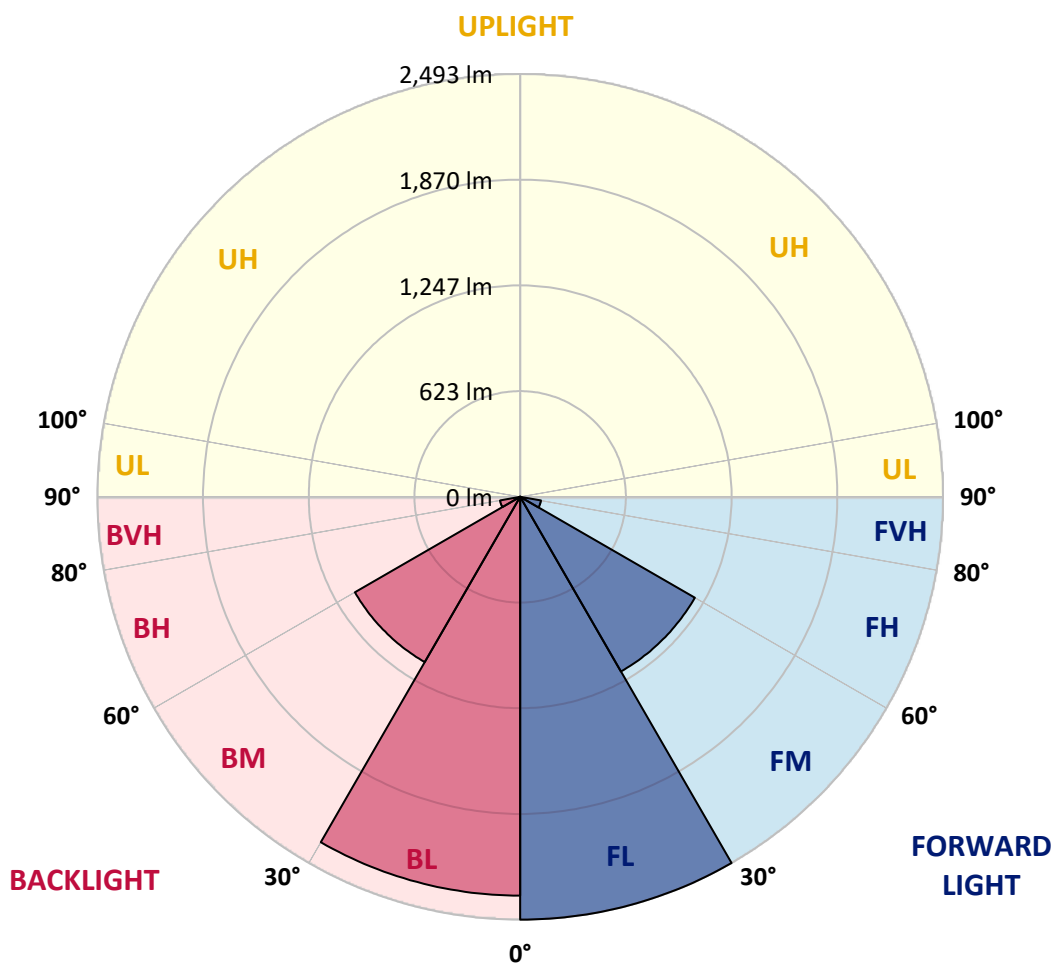
CATALOG NUMBER: XSF100-SFTR-5Hx5V-830-Position 4

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |        |
|------|-------------|--------|-----------|-------------------------|------|--------|
|      |             |        |           | B                       | U    | G      |
| FL   | (0°-30°)    | 2493.2 | 33.6      |                         |      |        |
| FM   | (30°-60°)   | 1189.6 | 16.0      |                         |      |        |
| FH   | (60°-80°)   | 124.6  | 1.7       |                         |      | G0/660 |
| FVH  | (80°-90°)   | 3.9    | 0.1       |                         |      | G0/10  |
| BL   | (0°-30°)    | 2351.3 | 31.7      | B3/2500                 |      |        |
| BM   | (30°-60°)   | 1125.3 | 15.2      | B2/2500                 |      |        |
| BH   | (60°-80°)   | 120.7  | 1.6       | B1/500                  |      | G0/660 |
| BVH  | (80°-90°)   | 4.3    | 0.1       |                         |      | G0/10  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |        |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |        |

**BUG Rating: B3-U0-G0**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

|     | 0°      | 15°     | 30°     | 45°     | 60°     | 75°     | 90°     | 105°    | 120°    | 135°    | 150°    |
|-----|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°  | 10033.5 | 10033.5 | 10033.5 | 10033.5 | 10033.5 | 10033.5 | 10033.5 | 10033.5 | 10033.5 | 10033.5 | 10033.5 |
| 1°  | 10043.8 | 10028.8 | 10015.4 | 10004.3 | 9993.3  | 9984.6  | 9975.2  | 9964.9  | 9964.1  | 9966.5  | 9972.8  |
| 2°  | 10006.7 | 9979.1  | 9960.2  | 9945.2  | 9930.2  | 9911.3  | 9895.5  | 9879.8  | 9874.2  | 9876.6  | 9877.4  |
| 3°  | 9937.3  | 9904.2  | 9875.8  | 9853.7  | 9831.7  | 9809.6  | 9785.9  | 9770.2  | 9759.9  | 9759.1  | 9763.9  |
| 4°  | 9840.3  | 9794.6  | 9760.7  | 9738.6  | 9710.2  | 9687.4  | 9655.0  | 9635.3  | 9626.7  | 9627.4  | 9633.8  |
| 5°  | 9723.6  | 9679.5  | 9637.7  | 9601.4  | 9567.5  | 9540.7  | 9502.9  | 9478.4  | 9469.7  | 9477.6  | 9493.4  |
| 6°  | 9598.3  | 9548.6  | 9501.3  | 9452.4  | 9403.5  | 9365.7  | 9322.3  | 9293.9  | 9291.5  | 9312.8  | 9348.3  |
| 7°  | 9474.5  | 9417.7  | 9357.0  | 9288.4  | 9219.8  | 9170.9  | 9128.3  | 9099.2  | 9099.9  | 9134.6  | 9193.8  |
| 8°  | 9364.1  | 9293.1  | 9210.3  | 9115.7  | 9023.5  | 8958.8  | 8903.6  | 8880.7  | 8894.9  | 8949.3  | 9038.4  |
| 9°  | 9250.5  | 9167.8  | 9058.2  | 8930.4  | 8809.0  | 8724.6  | 8659.2  | 8641.0  | 8665.5  | 8745.1  | 8868.9  |
| 10° | 9129.9  | 9031.3  | 8894.1  | 8736.5  | 8585.1  | 8477.0  | 8391.1  | 8379.3  | 8421.1  | 8527.5  | 8676.5  |
| 11° | 8989.6  | 8880.7  | 8715.2  | 8529.1  | 8343.8  | 8203.4  | 8108.0  | 8096.2  | 8160.1  | 8288.6  | 8468.4  |
| 12° | 8821.6  | 8697.0  | 8522.0  | 8301.2  | 8092.3  | 7920.4  | 7799.9  | 7795.6  | 7875.9  | 8031.5  | 8227.9  |
| 13° | 8622.1  | 8488.9  | 8294.9  | 8052.8  | 7816.5  | 7610.5  | 7469.8  | 7470.5  | 7573.0  | 7748.9  | 7959.0  |
| 14° | 8395.8  | 8242.9  | 8032.3  | 7784.0  | 7516.1  | 7283.1  | 7124.7  | 7127.9  | 7251.3  | 7441.9  | 7661.8  |
| 15° | 8145.9  | 7981.9  | 7734.1  | 7486.7  | 7203.6  | 6939.8  | 6760.2  | 6771.8  | 6904.2  | 7111.2  | 7334.6  |
| 16° | 7884.9  | 7685.2  | 7423.0  | 7167.5  | 6863.1  | 6581.2  | 6389.1  | 6396.8  | 6539.6  | 6763.8  | 6984.7  |
| 17° | 7609.0  | 7377.1  | 7093.1  | 6824.3  | 6501.9  | 6205.6  | 6013.4  | 6023.3  | 6165.0  | 6389.4  | 6618.3  |
| 18° | 7321.7  | 7063.5  | 6752.1  | 6462.8  | 6130.3  | 5831.0  | 5640.8  | 5639.2  | 5779.9  | 6004.0  | 6238.4  |
| 19° | 7024.0  | 6737.1  | 6394.6  | 6079.9  | 5747.1  | 5449.3  | 5268.3  | 5264.7  | 5391.1  | 5594.9  | 5841.3  |
| 20° | 6709.5  | 6389.0  | 6021.8  | 5691.4  | 5364.2  | 5077.5  | 4898.3  | 4891.8  | 5001.1  | 5177.8  | 5422.4  |
| 21° | 6359.3  | 6008.9  | 5626.2  | 5297.6  | 4974.7  | 4703.6  | 4525.8  | 4515.7  | 4608.0  | 4757.2  | 4984.2  |
| 22° | 5968.7  | 5616.4  | 5222.9  | 4898.4  | 4590.9  | 4327.3  | 4160.9  | 4144.7  | 4227.7  | 4342.3  | 4545.6  |
| 23° | 5543.4  | 5189.6  | 4809.1  | 4492.8  | 4202.3  | 3955.8  | 3800.0  | 3776.4  | 3843.3  | 3937.2  | 4113.0  |
| 24° | 5092.2  | 4753.4  | 4397.0  | 4094.9  | 3825.6  | 3599.8  | 3455.5  | 3429.0  | 3474.9  | 3545.3  | 3706.9  |
| 25° | 4639.5  | 4330.2  | 3999.0  | 3716.1  | 3465.8  | 3269.5  | 3147.0  | 3106.7  | 3132.0  | 3185.7  | 3330.8  |
| 26° | 4181.9  | 3908.7  | 3611.1  | 3352.3  | 3132.0  | 2972.4  | 2872.6  | 2827.9  | 2824.8  | 2866.6  | 2989.2  |
| 27° | 3740.0  | 3512.6  | 3252.0  | 3019.0  | 2838.5  | 2719.7  | 2640.8  | 2592.7  | 2568.2  | 2589.3  | 2700.6  |
| 28° | 3327.3  | 3145.1  | 2929.2  | 2728.1  | 2581.1  | 2501.2  | 2444.2  | 2392.0  | 2353.7  | 2362.1  | 2453.9  |
| 29° | 2974.6  | 2831.6  | 2652.4  | 2481.1  | 2369.2  | 2316.9  | 2279.4  | 2227.1  | 2176.9  | 2173.4  | 2254.9  |
| 30° | 2683.3  | 2566.4  | 2420.9  | 2273.2  | 2187.4  | 2163.3  | 2142.2  | 2088.3  | 2034.1  | 2020.6  | 2091.2  |
| 31° | 2454.4  | 2359.8  | 2228.1  | 2099.4  | 2036.4  | 2035.9  | 2026.4  | 1975.2  | 1914.8  | 1894.8  | 1961.8  |
| 32° | 2275.8  | 2193.0  | 2068.9  | 1958.8  | 1912.5  | 1928.2  | 1930.1  | 1875.7  | 1815.7  | 1790.7  | 1853.8  |
| 33° | 2138.8  | 2062.4  | 1940.5  | 1839.1  | 1807.5  | 1836.3  | 1845.0  | 1790.7  | 1730.7  | 1700.0  | 1762.3  |
| 34° | 2030.3  | 1958.9  | 1834.7  | 1737.4  | 1714.3  | 1755.5  | 1771.7  | 1715.5  | 1654.2  | 1622.9  | 1685.6  |
| 35° | 1942.6  | 1872.1  | 1745.8  | 1648.2  | 1632.2  | 1680.6  | 1701.8  | 1645.0  | 1583.4  | 1551.3  | 1616.8  |
| 36° | 1869.7  | 1798.1  | 1669.0  | 1567.3  | 1558.8  | 1612.7  | 1635.3  | 1579.6  | 1517.9  | 1486.2  | 1552.5  |
| 37° | 1806.9  | 1731.4  | 1600.3  | 1496.6  | 1491.7  | 1547.6  | 1571.7  | 1519.2  | 1452.5  | 1421.1  | 1492.3  |
| 38° | 1748.6  | 1667.3  | 1537.3  | 1432.3  | 1429.0  | 1483.9  | 1511.2  | 1458.7  | 1387.0  | 1356.0  | 1432.1  |
| 39° | 1689.2  | 1603.6  | 1476.1  | 1369.6  | 1366.1  | 1419.6  | 1450.7  | 1398.1  | 1321.0  | 1288.8  | 1371.9  |
| 40° | 1625.5  | 1539.8  | 1411.9  | 1305.3  | 1303.5  | 1351.6  | 1390.2  | 1333.1  | 1256.9  | 1223.2  | 1307.0  |
| 41° | 1559.1  | 1474.1  | 1344.1  | 1240.4  | 1239.1  | 1282.9  | 1320.9  | 1269.3  | 1189.2  | 1158.7  | 1240.4  |
| 42° | 1487.5  | 1404.4  | 1274.3  | 1175.0  | 1173.1  | 1209.6  | 1248.2  | 1200.3  | 1121.1  | 1093.4  | 1173.1  |
| 43° | 1412.1  | 1330.6  | 1205.7  | 1107.6  | 1106.5  | 1134.0  | 1176.3  | 1134.5  | 1051.7  | 1026.2  | 1105.8  |
| 44° | 1333.2  | 1253.8  | 1135.2  | 1042.3  | 1039.7  | 1060.8  | 1105.1  | 1068.6  | 982.1   | 960.4   | 1042.9  |

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**CANDELA DISTRIBUTION (continued):**

|     | 0°     | 15°    | 30°    | 45°   | 60°   | 75°   | 90°    | 105°   | 120°  | 135°  | 150°  |
|-----|--------|--------|--------|-------|-------|-------|--------|--------|-------|-------|-------|
| 45° | 1247.3 | 1176.2 | 1065.5 | 977.4 | 976.4 | 992.3 | 1037.3 | 1004.9 | 916.5 | 897.9 | 981.4 |
| 46° | 1160.3 | 1100.1 | 995.9  | 914.4 | 914.2 | 925.0 | 963.9  | 935.0  | 849.9 | 843.9 | 923.7 |
| 47° | 1075.7 | 1024.6 | 927.9  | 852.4 | 844.7 | 851.3 | 885.7  | 852.0  | 767.4 | 783.1 | 860.1 |
| 48° | 996.8  | 952.2  | 856.2  | 782.3 | 772.3 | 782.3 | 812.0  | 768.7  | 684.7 | 708.7 | 782.0 |
| 49° | 913.1  | 871.7  | 771.9  | 707.1 | 707.1 | 714.2 | 742.9  | 687.8  | 611.3 | 634.4 | 695.4 |
| 50° | 836.0  | 787.8  | 700.9  | 633.1 | 641.9 | 656.4 | 682.4  | 617.5  | 534.5 | 541.4 | 618.2 |
| 51° | 775.6  | 696.9  | 630.4  | 559.3 | 576.6 | 598.8 | 633.5  | 567.8  | 475.5 | 467.9 | 543.7 |
| 52° | 700.5  | 634.1  | 559.9  | 508.3 | 526.8 | 553.0 | 590.1  | 530.5  | 433.8 | 408.2 | 490.8 |
| 53° | 632.7  | 571.3  | 504.3  | 469.9 | 479.4 | 503.8 | 550.3  | 500.1  | 397.4 | 361.0 | 457.8 |
| 54° | 565.1  | 528.5  | 465.5  | 444.0 | 435.7 | 454.5 | 505.3  | 475.8  | 366.8 | 315.5 | 422.1 |
| 55° | 518.2  | 473.6  | 425.0  | 415.3 | 401.7 | 412.6 | 465.4  | 446.2  | 338.7 | 276.2 | 382.2 |
| 56° | 464.7  | 427.0  | 390.8  | 381.3 | 378.4 | 380.7 | 431.5  | 418.1  | 312.2 | 244.9 | 341.3 |
| 57° | 413.3  | 389.9  | 357.2  | 351.7 | 357.3 | 351.2 | 396.9  | 388.2  | 291.3 | 223.7 | 307.1 |
| 58° | 363.6  | 354.0  | 327.1  | 323.7 | 328.3 | 317.7 | 363.1  | 366.5  | 270.5 | 208.3 | 276.7 |
| 59° | 328.9  | 326.8  | 301.2  | 295.9 | 305.5 | 289.4 | 332.9  | 334.6  | 245.1 | 194.3 | 251.8 |
| 60° | 294.2  | 307.5  | 277.8  | 270.5 | 281.0 | 254.2 | 307.5  | 302.7  | 225.2 | 181.8 | 230.5 |
| 61° | 263.1  | 280.8  | 252.1  | 248.4 | 254.9 | 225.8 | 280.4  | 281.3  | 212.9 | 171.4 | 210.6 |
| 62° | 235.1  | 251.4  | 228.6  | 227.5 | 231.9 | 209.2 | 256.2  | 261.3  | 197.1 | 161.0 | 193.7 |
| 63° | 211.7  | 225.5  | 208.9  | 208.7 | 212.4 | 194.8 | 237.6  | 241.0  | 182.1 | 150.6 | 179.4 |
| 64° | 189.6  | 206.4  | 191.8  | 192.1 | 195.3 | 178.3 | 218.1  | 217.8  | 167.8 | 141.6 | 165.9 |
| 65° | 170.9  | 186.8  | 177.3  | 177.1 | 178.6 | 163.5 | 198.8  | 197.0  | 153.5 | 133.1 | 152.5 |
| 66° | 155.1  | 169.2  | 162.8  | 162.8 | 162.9 | 150.1 | 180.6  | 178.3  | 140.9 | 124.4 | 140.1 |
| 67° | 140.8  | 153.4  | 148.9  | 149.1 | 147.9 | 138.3 | 162.3  | 159.6  | 128.6 | 115.8 | 127.6 |
| 68° | 127.3  | 138.0  | 134.9  | 135.2 | 133.2 | 126.9 | 144.1  | 140.9  | 116.7 | 107.6 | 115.4 |
| 69° | 114.9  | 123.7  | 120.6  | 121.1 | 119.3 | 115.2 | 128.3  | 125.7  | 105.9 | 99.3  | 105.2 |
| 70° | 102.8  | 110.0  | 107.7  | 108.0 | 106.4 | 104.3 | 115.7  | 113.0  | 96.1  | 91.3  | 101.3 |
| 71° | 92.2   | 97.9   | 98.1   | 95.9  | 94.8  | 94.3  | 111.2  | 101.3  | 87.1  | 83.2  | 96.2  |
| 72° | 81.9   | 86.9   | 96.1   | 85.1  | 84.1  | 84.8  | 99.4   | 90.4   | 78.7  | 75.3  | 86.5  |
| 73° | 72.2   | 76.7   | 86.1   | 75.3  | 74.3  | 75.6  | 85.7   | 79.9   | 70.3  | 67.1  | 74.1  |
| 74° | 63.9   | 67.3   | 72.9   | 66.6  | 65.8  | 67.1  | 73.4   | 70.2   | 62.4  | 59.4  | 64.0  |
| 75° | 55.5   | 58.0   | 62.5   | 57.8  | 57.3  | 58.7  | 63.3   | 61.0   | 54.8  | 52.2  | 55.4  |
| 76° | 47.1   | 48.6   | 52.2   | 49.1  | 48.8  | 50.3  | 54.7   | 52.7   | 47.5  | 45.3  | 47.3  |
| 77° | 40.1   | 40.6   | 41.8   | 41.3  | 41.5  | 42.9  | 47.1   | 45.0   | 40.8  | 38.7  | 40.2  |
| 78° | 33.0   | 32.9   | 34.9   | 34.3  | 35.1  | 36.1  | 40.6   | 37.9   | 34.6  | 32.1  | 33.8  |
| 79° | 26.0   | 26.3   | 28.8   | 28.2  | 29.1  | 29.8  | 34.1   | 31.3   | 28.8  | 26.3  | 28.3  |
| 80° | 20.3   | 20.4   | 22.9   | 22.7  | 23.3  | 24.2  | 27.8   | 25.5   | 23.5  | 21.3  | 23.1  |
| 81° | 15.5   | 15.5   | 17.4   | 18.1  | 18.9  | 19.6  | 22.6   | 21.1   | 19.2  | 17.4  | 18.7  |
| 82° | 11.5   | 11.8   | 13.3   | 13.6  | 14.4  | 15.4  | 18.3   | 16.6   | 14.9  | 13.4  | 14.3  |
| 83° | 8.2    | 8.3    | 9.0    | 9.5   | 10.4  | 11.5  | 13.9   | 12.2   | 10.6  | 9.5   | 9.9   |
| 84° | 5.7    | 5.8    | 6.4    | 6.8   | 7.7   | 8.4   | 9.6    | 8.9    | 7.8   | 6.9   | 6.8   |
| 85° | 3.3    | 3.3    | 3.7    | 4.2   | 5.0   | 5.7   | 6.1    | 6.2    | 5.3   | 4.5   | 4.2   |
| 86° | 0.9    | 0.9    | 1.1    | 1.7   | 2.3   | 3.4   | 3.3    | 3.3    | 2.8   | 2.4   | 2.1   |
| 87° | 0.3    | 0.3    | 0.3    | 0.4   | 0.7   | 1.1   | 1.3    | 1.2    | 1.1   | 1.0   | 0.9   |
| 88° | 0.1    | 0.1    | 0.1    | 0.1   | 0.2   | 0.2   | 0.3    | 0.3    | 0.4   | 0.4   | 0.4   |
| 89° | 0.1    | 0.1    | 0.1    | 0.1   | 0.1   | 0.1   | 0.1    | 0.1    | 0.1   | 0.2   | 0.2   |

REPORT NUMBER: P1440318

CATALOG NUMBER: XSF100-SFTR-5Hx5V-830-Position 4

**CANDELA DISTRIBUTION (continued):**

|      | 0°  | 15° | 30° | 45° | 60° | 75° | 90° | 105° | 120° | 135° | 150° |
|------|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|
| 90°  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 91°  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 92°  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 93°  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 94°  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 95°  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 96°  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 97°  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 98°  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 99°  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 100° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 101° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 102° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 103° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 104° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 105° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 106° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 107° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 108° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 109° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 110° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 111° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 112° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 113° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 114° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 115° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 116° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 117° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 118° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 119° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 120° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 121° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 122° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 123° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 124° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 125° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 126° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 127° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 128° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 129° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 130° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 131° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 132° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 133° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 134° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |

REPORT NUMBER: P1440318

CATALOG NUMBER: XSF100-SFTR-5Hx5V-830-Position 4

**CANDELA DISTRIBUTION (continued):**

|      | 0°  | 15° | 30° | 45° | 60° | 75° | 90° | 105° | 120° | 135° | 150° |
|------|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|
| 135° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 136° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 137° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 138° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 139° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 140° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 141° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 142° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 143° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 144° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 145° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 146° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 147° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 148° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 149° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 150° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 151° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 152° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 153° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 154° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 155° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 156° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 157° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 158° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 159° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 160° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 161° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 162° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 163° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 164° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 166° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 167° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 168° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 169° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 171° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 172° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 173° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 174° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 176° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 177° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 178° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |
| 179° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |



REPORT NUMBER: P1440318  
CATALOG NUMBER: XSF100-SFTR-5Hx5V-830-Position 4

CANDELA DISTRIBUTION (continued):

|      | 0°  | 15° | 30° | 45° | 60° | 75° | 90° | 105° | 120° | 135° | 150° |
|------|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|
| 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |

REPORT NUMBER: P1440318

CATALOG NUMBER: XSF100-SFTR-5Hx5V-830-Position 4

**CANDELA DISTRIBUTION (continued):**

|     | 165°    | 180°    | 195°    | 210°    | 225°    | 240°    | 255°    | 270°    | 285°    | 300°    | 315°    |
|-----|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°  | 10033.5 | 10033.5 | 10033.5 | 10033.5 | 10033.5 | 10033.5 | 10033.5 | 10033.5 | 10033.5 | 10033.5 | 10033.5 |
| 1°  | 9980.7  | 9997.2  | 10004.3 | 10021.7 | 10033.5 | 10047.7 | 10058.7 | 10064.3 | 10062.7 | 10069.0 | 10071.4 |
| 2°  | 9890.8  | 9913.7  | 9936.5  | 9967.3  | 10003.6 | 10035.9 | 10064.3 | 10080.8 | 10088.7 | 10083.2 | 10075.3 |
| 3°  | 9779.6  | 9802.5  | 9838.8  | 9884.5  | 9941.3  | 9996.5  | 10051.7 | 10074.5 | 10087.1 | 10076.9 | 10052.4 |
| 4°  | 9652.7  | 9681.1  | 9723.6  | 9781.2  | 9861.6  | 9940.5  | 10019.3 | 10054.8 | 10072.2 | 10045.3 | 9998.8  |
| 5°  | 9522.6  | 9554.9  | 9599.1  | 9664.5  | 9762.3  | 9866.4  | 9965.7  | 10020.1 | 10037.5 | 9994.9  | 9927.9  |
| 6°  | 9392.5  | 9425.6  | 9470.5  | 9547.8  | 9652.7  | 9774.9  | 9894.7  | 9965.7  | 9976.7  | 9927.1  | 9838.0  |
| 7°  | 9255.3  | 9303.4  | 9353.1  | 9428.0  | 9536.0  | 9667.7  | 9803.3  | 9885.3  | 9895.5  | 9834.8  | 9737.0  |
| 8°  | 9123.6  | 9185.1  | 9240.3  | 9316.0  | 9419.3  | 9551.0  | 9692.1  | 9785.1  | 9797.8  | 9728.4  | 9621.1  |
| 9°  | 8982.5  | 9055.8  | 9126.8  | 9202.4  | 9298.6  | 9419.3  | 9560.4  | 9655.8  | 9668.4  | 9599.8  | 9493.4  |
| 10° | 8816.1  | 8906.8  | 8990.3  | 9079.4  | 9164.6  | 9269.5  | 9400.4  | 9500.5  | 9517.1  | 9450.8  | 9368.0  |
| 11° | 8627.6  | 8730.1  | 8831.9  | 8936.7  | 9023.5  | 9099.2  | 9211.9  | 9309.7  | 9333.3  | 9280.5  | 9229.3  |
| 12° | 8406.1  | 8516.5  | 8635.5  | 8771.1  | 8861.8  | 8916.2  | 8999.8  | 9089.7  | 9119.7  | 9091.3  | 9079.4  |
| 13° | 8149.0  | 8264.9  | 8406.1  | 8576.4  | 8680.5  | 8701.0  | 8767.2  | 8847.6  | 8879.2  | 8878.4  | 8911.5  |
| 14° | 7862.2  | 7993.7  | 8144.3  | 8348.5  | 8464.4  | 8473.9  | 8506.2  | 8578.8  | 8614.2  | 8645.8  | 8721.5  |
| 15° | 7556.5  | 7707.6  | 7869.1  | 8089.1  | 8224.7  | 8220.0  | 8227.1  | 8279.9  | 8332.0  | 8391.9  | 8505.4  |
| 16° | 7236.1  | 7417.2  | 7576.9  | 7795.6  | 7935.3  | 7928.3  | 7921.9  | 7952.7  | 8018.9  | 8118.3  | 8259.4  |
| 17° | 6907.9  | 7126.7  | 7288.0  | 7477.2  | 7612.0  | 7615.1  | 7586.0  | 7595.1  | 7680.4  | 7810.5  | 7967.7  |
| 18° | 6557.4  | 6822.7  | 6986.1  | 7140.8  | 7256.1  | 7269.2  | 7221.9  | 7213.1  | 7309.2  | 7485.4  | 7641.2  |
| 19° | 6181.5  | 6485.1  | 6664.4  | 6785.7  | 6867.6  | 6889.1  | 6828.2  | 6805.9  | 6917.0  | 7121.1  | 7272.7  |
| 20° | 5773.1  | 6105.8  | 6299.4  | 6402.1  | 6446.9  | 6479.2  | 6409.9  | 6380.2  | 6496.0  | 6720.7  | 6880.9  |
| 21° | 5335.7  | 5678.5  | 5888.7  | 5976.9  | 5999.5  | 6049.2  | 5972.6  | 5944.9  | 6063.5  | 6298.9  | 6455.8  |
| 22° | 4878.8  | 5222.4  | 5441.3  | 5517.8  | 5541.1  | 5595.1  | 5528.4  | 5504.3  | 5627.4  | 5855.3  | 6013.2  |
| 23° | 4425.9  | 4753.5  | 4973.2  | 5032.7  | 5057.8  | 5129.7  | 5079.0  | 5064.9  | 5183.6  | 5402.1  | 5545.4  |
| 24° | 3982.5  | 4286.5  | 4487.8  | 4557.9  | 4587.7  | 4659.3  | 4630.2  | 4623.5  | 4746.5  | 4940.9  | 5072.3  |
| 25° | 3574.0  | 3831.1  | 4025.5  | 4091.2  | 4118.7  | 4212.0  | 4185.6  | 4190.3  | 4315.6  | 4490.2  | 4600.4  |
| 26° | 3194.6  | 3408.3  | 3578.9  | 3650.9  | 3680.6  | 3755.6  | 3748.0  | 3765.7  | 3887.2  | 4041.1  | 4144.1  |
| 27° | 2870.9  | 3048.3  | 3193.5  | 3261.7  | 3281.8  | 3342.8  | 3341.9  | 3368.7  | 3482.3  | 3618.8  | 3707.7  |
| 28° | 2597.4  | 2740.2  | 2850.9  | 2909.7  | 2923.2  | 2961.6  | 2972.4  | 3005.6  | 3100.8  | 3220.0  | 3303.8  |
| 29° | 2382.3  | 2504.7  | 2585.1  | 2621.3  | 2617.5  | 2634.4  | 2654.8  | 2699.0  | 2773.8  | 2865.7  | 2942.1  |
| 30° | 2213.2  | 2318.9  | 2371.2  | 2380.0  | 2360.4  | 2365.3  | 2398.0  | 2448.8  | 2502.5  | 2560.9  | 2624.0  |
| 31° | 2079.2  | 2178.6  | 2212.5  | 2191.7  | 2154.2  | 2153.6  | 2196.4  | 2251.7  | 2288.7  | 2313.0  | 2367.2  |
| 32° | 1973.5  | 2066.1  | 2081.5  | 2037.8  | 1990.9  | 1985.3  | 2036.8  | 2095.5  | 2120.0  | 2120.9  | 2156.8  |
| 33° | 1886.9  | 1975.1  | 1982.1  | 1916.5  | 1856.2  | 1854.2  | 1908.9  | 1971.5  | 1984.0  | 1964.1  | 1989.1  |
| 34° | 1812.3  | 1902.9  | 1895.1  | 1817.0  | 1749.5  | 1746.9  | 1806.0  | 1870.4  | 1876.1  | 1839.4  | 1855.2  |
| 35° | 1747.9  | 1841.1  | 1821.4  | 1731.9  | 1656.5  | 1657.2  | 1718.4  | 1784.2  | 1785.6  | 1737.0  | 1743.8  |
| 36° | 1688.9  | 1785.3  | 1756.1  | 1656.2  | 1576.7  | 1578.9  | 1642.5  | 1711.4  | 1707.1  | 1648.7  | 1651.9  |
| 37° | 1631.2  | 1730.7  | 1693.8  | 1587.5  | 1511.0  | 1514.3  | 1575.8  | 1644.2  | 1634.8  | 1570.9  | 1571.8  |
| 38° | 1571.0  | 1673.4  | 1632.6  | 1525.2  | 1445.2  | 1449.7  | 1516.6  | 1583.7  | 1568.2  | 1500.2  | 1500.7  |
| 39° | 1508.5  | 1614.1  | 1569.9  | 1462.9  | 1379.5  | 1385.1  | 1457.4  | 1523.8  | 1505.5  | 1433.6  | 1433.9  |
| 40° | 1446.1  | 1551.1  | 1501.3  | 1400.5  | 1312.6  | 1319.5  | 1398.1  | 1461.4  | 1439.5  | 1367.9  | 1368.6  |
| 41° | 1383.6  | 1485.4  | 1432.8  | 1332.4  | 1245.8  | 1253.9  | 1333.6  | 1395.7  | 1372.2  | 1302.8  | 1304.3  |
| 42° | 1310.0  | 1419.6  | 1363.8  | 1259.2  | 1178.5  | 1187.4  | 1266.1  | 1326.9  | 1300.1  | 1235.4  | 1238.3  |
| 43° | 1238.0  | 1346.7  | 1285.4  | 1185.7  | 1109.4  | 1120.7  | 1197.0  | 1252.5  | 1223.6  | 1168.4  | 1170.6  |
| 44° | 1166.9  | 1272.5  | 1207.6  | 1108.8  | 1038.4  | 1052.2  | 1127.7  | 1177.1  | 1143.1  | 1098.4  | 1103.2  |

REPORT NUMBER: P1440318

CATALOG NUMBER: XSF100-SFTR-5Hx5V-830-Position 4

**CANDELA DISTRIBUTION (continued):**

|     | 165°   | 180°   | 195°   | 210°   | 225°  | 240°  | 255°   | 270°   | 285°   | 300°   | 315°   |
|-----|--------|--------|--------|--------|-------|-------|--------|--------|--------|--------|--------|
| 45° | 1099.5 | 1200.8 | 1130.1 | 1033.8 | 967.1 | 978.5 | 1057.0 | 1103.4 | 1061.3 | 1027.7 | 1035.6 |
| 46° | 1033.4 | 1131.5 | 1059.7 | 964.1  | 900.3 | 907.3 | 988.4  | 1032.1 | 980.6  | 954.9  | 969.6  |
| 47° | 960.6  | 1053.3 | 987.8  | 901.9  | 838.3 | 838.9 | 920.4  | 966.9  | 908.7  | 885.2  | 906.2  |
| 48° | 877.4  | 972.4  | 902.3  | 825.1  | 769.7 | 765.6 | 846.8  | 896.3  | 834.2  | 819.6  | 844.8  |
| 49° | 802.1  | 898.7  | 818.9  | 737.6  | 683.1 | 677.6 | 766.7  | 823.3  | 758.7  | 751.1  | 772.3  |
| 50° | 738.6  | 848.8  | 756.9  | 659.3  | 590.9 | 599.8 | 681.7  | 747.5  | 701.2  | 682.1  | 703.1  |
| 51° | 679.8  | 785.3  | 711.4  | 594.8  | 506.0 | 532.4 | 606.3  | 692.6  | 643.8  | 613.0  | 621.8  |
| 52° | 632.8  | 720.2  | 658.3  | 524.1  | 430.2 | 461.7 | 549.0  | 637.9  | 586.4  | 544.0  | 540.1  |
| 53° | 605.0  | 682.9  | 628.7  | 489.3  | 386.7 | 416.3 | 511.8  | 583.2  | 538.3  | 494.0  | 492.3  |
| 54° | 570.0  | 648.5  | 597.5  | 449.6  | 341.4 | 383.0 | 484.8  | 534.5  | 490.5  | 453.7  | 455.6  |
| 55° | 534.1  | 603.6  | 549.3  | 407.1  | 297.0 | 352.8 | 463.1  | 490.1  | 445.4  | 419.6  | 421.4  |
| 56° | 483.5  | 552.7  | 497.4  | 366.9  | 260.4 | 328.0 | 439.9  | 453.7  | 406.9  | 393.3  | 390.5  |
| 57° | 435.5  | 499.4  | 449.7  | 328.9  | 235.6 | 307.9 | 409.3  | 414.4  | 367.8  | 368.9  | 360.7  |
| 58° | 400.2  | 453.5  | 407.3  | 294.8  | 218.7 | 289.5 | 379.3  | 377.8  | 328.0  | 335.2  | 333.6  |
| 59° | 362.3  | 416.7  | 367.9  | 268.4  | 203.9 | 264.0 | 359.2  | 349.3  | 306.2  | 307.5  | 307.8  |
| 60° | 322.6  | 376.7  | 329.2  | 248.6  | 190.7 | 238.2 | 328.8  | 320.0  | 276.3  | 289.8  | 284.0  |
| 61° | 290.1  | 335.1  | 293.6  | 224.9  | 178.5 | 218.8 | 295.3  | 289.2  | 243.2  | 265.9  | 261.5  |
| 62° | 262.2  | 298.6  | 261.3  | 202.3  | 167.5 | 203.6 | 270.3  | 266.7  | 219.2  | 241.6  | 240.0  |
| 63° | 235.8  | 265.1  | 235.1  | 184.1  | 156.7 | 188.5 | 250.8  | 246.8  | 198.5  | 218.6  | 220.6  |
| 64° | 215.7  | 236.7  | 212.1  | 169.4  | 147.3 | 174.4 | 228.4  | 226.7  | 180.8  | 199.3  | 202.2  |
| 65° | 196.1  | 210.8  | 192.6  | 154.7  | 138.5 | 160.3 | 207.5  | 207.9  | 166.6  | 182.9  | 185.4  |
| 66° | 177.9  | 189.6  | 175.4  | 142.8  | 129.8 | 146.3 | 188.6  | 190.2  | 153.6  | 167.3  | 170.1  |
| 67° | 159.8  | 168.3  | 158.2  | 131.2  | 121.0 | 134.2 | 170.3  | 172.9  | 142.0  | 152.7  | 155.7  |
| 68° | 141.8  | 147.1  | 141.0  | 119.5  | 112.4 | 123.5 | 152.1  | 156.2  | 130.8  | 138.6  | 141.2  |
| 69° | 126.1  | 128.9  | 125.6  | 108.4  | 104.2 | 112.7 | 136.9  | 140.5  | 119.9  | 124.8  | 126.6  |
| 70° | 110.4  | 113.1  | 111.5  | 99.5   | 96.1  | 102.3 | 122.7  | 125.6  | 109.3  | 111.8  | 113.0  |
| 71° | 96.8   | 99.5   | 98.6   | 93.5   | 88.0  | 92.5  | 110.1  | 112.4  | 98.9   | 99.2   | 100.6  |
| 72° | 84.6   | 87.3   | 86.9   | 89.2   | 79.9  | 83.6  | 98.5   | 103.6  | 89.4   | 88.3   | 89.6   |
| 73° | 73.6   | 75.8   | 76.1   | 78.8   | 71.8  | 75.2  | 87.6   | 95.0   | 80.3   | 78.3   | 79.3   |
| 74° | 63.2   | 65.3   | 65.7   | 67.0   | 63.7  | 67.0  | 77.3   | 81.9   | 71.6   | 69.7   | 70.5   |
| 75° | 53.9   | 56.0   | 56.1   | 57.4   | 56.1  | 59.2  | 67.4   | 69.8   | 63.5   | 61.1   | 61.3   |
| 76° | 45.8   | 47.7   | 47.8   | 48.9   | 48.9  | 51.8  | 57.9   | 60.2   | 55.3   | 52.5   | 52.1   |
| 77° | 38.6   | 40.3   | 40.4   | 41.6   | 41.9  | 44.6  | 49.7   | 50.5   | 47.2   | 44.9   | 44.2   |
| 78° | 32.1   | 33.8   | 33.6   | 35.2   | 35.1  | 37.8  | 42.1   | 42.9   | 40.0   | 38.1   | 36.9   |
| 79° | 26.3   | 27.9   | 27.5   | 29.7   | 29.1  | 31.9  | 35.4   | 36.3   | 33.7   | 32.1   | 30.6   |
| 80° | 21.2   | 22.6   | 22.2   | 24.4   | 23.7  | 26.4  | 29.1   | 29.7   | 27.5   | 26.2   | 25.0   |
| 81° | 17.5   | 18.7   | 18.3   | 19.9   | 19.5  | 21.7  | 23.5   | 24.0   | 21.9   | 21.0   | 20.0   |
| 82° | 13.8   | 14.9   | 14.4   | 15.4   | 15.2  | 16.9  | 19.3   | 19.3   | 17.4   | 16.4   | 15.2   |
| 83° | 10.2   | 11.0   | 10.5   | 11.0   | 11.0  | 12.3  | 15.0   | 15.0   | 13.1   | 12.2   | 10.8   |
| 84° | 8.2    | 8.9    | 8.6    | 7.9    | 8.7   | 9.6   | 10.7   | 10.9   | 9.9    | 9.0    | 7.4    |
| 85° | 5.9    | 6.4    | 6.2    | 5.0    | 6.3   | 7.1   | 7.8    | 7.3    | 7.4    | 6.5    | 5.0    |
| 86° | 3.0    | 3.3    | 3.4    | 2.7    | 3.6   | 4.4   | 4.9    | 4.6    | 4.8    | 3.9    | 2.6    |
| 87° | 1.0    | 1.1    | 1.2    | 1.1    | 1.5   | 1.8   | 2.2    | 2.0    | 2.1    | 1.4    | 0.8    |
| 88° | 0.5    | 0.5    | 0.5    | 0.5    | 0.5   | 0.6   | 0.7    | 0.6    | 0.6    | 0.4    | 0.2    |
| 89° | 0.2    | 0.2    | 0.2    | 0.2    | 0.2   | 0.2   | 0.2    | 0.2    | 0.2    | 0.1    | 0.1    |

REPORT NUMBER: P1440318

CATALOG NUMBER: XSF100-SFTR-5Hx5V-830-Position 4

**CANDELA DISTRIBUTION (continued):**

|      | 165° | 180° | 195° | 210° | 225° | 240° | 255° | 270° | 285° | 300° | 315° |
|------|------|------|------|------|------|------|------|------|------|------|------|
| 90°  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 91°  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 92°  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 93°  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 94°  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 95°  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 96°  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 97°  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 98°  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 99°  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 100° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 101° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 102° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 103° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 104° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 105° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 106° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 107° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 108° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 109° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 110° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 111° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 112° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 113° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 114° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 115° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 116° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 117° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 118° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 119° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 120° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 121° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 122° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 123° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 124° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 125° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 126° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 127° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 128° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 129° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 130° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 131° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 132° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 133° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 134° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |

REPORT NUMBER: P1440318

CATALOG NUMBER: XSF100-SFTR-5Hx5V-830-Position 4

**CANDELA DISTRIBUTION (continued):**

|      | 165° | 180° | 195° | 210° | 225° | 240° | 255° | 270° | 285° | 300° | 315° |
|------|------|------|------|------|------|------|------|------|------|------|------|
| 135° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 136° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 137° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 138° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 139° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 140° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 141° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 142° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 143° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 144° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 145° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 146° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 147° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 148° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 149° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 150° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 151° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 152° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 153° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 154° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 155° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 156° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 157° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 158° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 159° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 160° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 161° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 162° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 163° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 164° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 165° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 166° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 167° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 168° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 169° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 170° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 171° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 172° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 173° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 174° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 175° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 176° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 177° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 178° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 179° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |



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CANDELA DISTRIBUTION (continued):

|      | 165° | 180° | 195° | 210° | 225° | 240° | 255° | 270° | 285° | 300° | 315° |
|------|------|------|------|------|------|------|------|------|------|------|------|
| 180° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |

REPORT NUMBER: P1440318

CATALOG NUMBER: XSF100-SFTR-5Hx5V-830-Position 4

**CANDELA DISTRIBUTION (continued):**

|     | 330°    | 345°    | 360°    |
|-----|---------|---------|---------|
| 0°  | 10033.5 | 10033.5 | 10033.5 |
| 1°  | 10059.5 | 10055.6 | 10043.8 |
| 2°  | 10052.4 | 10028.8 | 10006.7 |
| 3°  | 10011.4 | 9972.0  | 9937.3  |
| 4°  | 9938.1  | 9882.1  | 9840.3  |
| 5°  | 9845.1  | 9772.5  | 9723.6  |
| 6°  | 9740.2  | 9655.8  | 9598.3  |
| 7°  | 9625.1  | 9537.6  | 9474.5  |
| 8°  | 9507.6  | 9422.4  | 9364.1  |
| 9°  | 9397.2  | 9313.6  | 9250.5  |
| 10° | 9282.9  | 9201.7  | 9129.9  |
| 11° | 9162.2  | 9077.1  | 8989.6  |
| 12° | 9034.5  | 8932.8  | 8821.6  |
| 13° | 8878.4  | 8750.6  | 8622.1  |
| 14° | 8693.9  | 8541.7  | 8395.8  |
| 15° | 8473.1  | 8305.9  | 8145.9  |
| 16° | 8223.9  | 8052.0  | 7884.9  |
| 17° | 7950.3  | 7781.0  | 7609.0  |
| 18° | 7644.2  | 7495.9  | 7321.7  |
| 19° | 7313.4  | 7202.2  | 7024.0  |
| 20° | 6956.7  | 6894.9  | 6709.5  |
| 21° | 6568.1  | 6551.8  | 6359.3  |
| 22° | 6155.7  | 6167.0  | 5968.7  |
| 23° | 5699.4  | 5744.6  | 5543.4  |
| 24° | 5227.0  | 5282.9  | 5092.2  |
| 25° | 4753.5  | 4813.6  | 4639.5  |
| 26° | 4281.3  | 4333.9  | 4181.9  |
| 27° | 3830.9  | 3871.6  | 3740.0  |
| 28° | 3407.2  | 3432.3  | 3327.3  |
| 29° | 3026.4  | 3044.1  | 2974.6  |
| 30° | 2699.9  | 2716.4  | 2683.3  |
| 31° | 2435.7  | 2465.9  | 2454.4  |
| 32° | 2226.9  | 2270.6  | 2275.8  |
| 33° | 2061.9  | 2120.5  | 2138.8  |
| 34° | 1931.4  | 2005.0  | 2030.3  |
| 35° | 1824.5  | 1911.2  | 1942.6  |
| 36° | 1738.8  | 1836.2  | 1869.7  |
| 37° | 1664.8  | 1771.5  | 1806.9  |
| 38° | 1596.1  | 1711.6  | 1748.6  |
| 39° | 1529.5  | 1650.0  | 1689.2  |
| 40° | 1463.6  | 1584.2  | 1625.5  |
| 41° | 1396.6  | 1516.8  | 1559.1  |
| 42° | 1325.1  | 1446.9  | 1487.5  |
| 43° | 1256.2  | 1375.7  | 1412.1  |
| 44° | 1187.2  | 1299.7  | 1333.2  |

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CATALOG NUMBER: XSF100-SFTR-5Hx5V-830-Position 4

**CANDELA DISTRIBUTION (continued):**

|     | 330°   | 345°   | 360°   |
|-----|--------|--------|--------|
| 45° | 1116.7 | 1221.1 | 1247.3 |
| 46° | 1045.9 | 1140.9 | 1160.3 |
| 47° | 974.2  | 1062.8 | 1075.7 |
| 48° | 905.3  | 985.1  | 996.8  |
| 49° | 832.6  | 902.6  | 913.1  |
| 50° | 747.8  | 818.4  | 836.0  |
| 51° | 676.9  | 727.2  | 775.6  |
| 52° | 606.2  | 662.8  | 700.5  |
| 53° | 535.5  | 599.2  | 632.7  |
| 54° | 487.9  | 535.6  | 565.1  |
| 55° | 448.9  | 496.3  | 518.2  |
| 56° | 420.4  | 457.5  | 464.7  |
| 57° | 386.0  | 412.2  | 413.3  |
| 58° | 352.8  | 372.7  | 363.6  |
| 59° | 322.9  | 339.5  | 328.9  |
| 60° | 295.3  | 303.3  | 294.2  |
| 61° | 271.2  | 271.5  | 263.1  |
| 62° | 246.8  | 247.2  | 235.1  |
| 63° | 223.2  | 224.4  | 211.7  |
| 64° | 202.8  | 203.7  | 189.6  |
| 65° | 184.9  | 184.2  | 170.9  |
| 66° | 167.1  | 167.0  | 155.1  |
| 67° | 149.7  | 152.4  | 140.8  |
| 68° | 134.3  | 138.3  | 127.3  |
| 69° | 119.8  | 124.8  | 114.9  |
| 70° | 107.5  | 111.8  | 102.8  |
| 71° | 96.3   | 99.9   | 92.2   |
| 72° | 88.4   | 89.1   | 81.9   |
| 73° | 84.5   | 78.4   | 72.2   |
| 74° | 75.1   | 69.1   | 63.9   |
| 75° | 62.8   | 59.8   | 55.5   |
| 76° | 52.3   | 50.5   | 47.1   |
| 77° | 45.1   | 42.4   | 40.1   |
| 78° | 37.8   | 34.9   | 33.0   |
| 79° | 30.6   | 28.0   | 26.0   |
| 80° | 24.6   | 21.8   | 20.3   |
| 81° | 18.8   | 16.4   | 15.5   |
| 82° | 14.1   | 12.0   | 11.5   |
| 83° | 10.0   | 8.8    | 8.2    |
| 84° | 7.2    | 6.2    | 5.7    |
| 85° | 4.3    | 3.7    | 3.3    |
| 86° | 1.5    | 1.2    | 0.9    |
| 87° | 0.4    | 0.3    | 0.3    |
| 88° | 0.2    | 0.1    | 0.1    |
| 89° | 0.1    | 0.1    | 0.1    |

REPORT NUMBER: P1440318

CATALOG NUMBER: XSF100-SFTR-5Hx5V-830-Position 4

**CANDELA DISTRIBUTION (continued):**

|      | 330° | 345° | 360° |
|------|------|------|------|
| 90°  | 0.0  | 0.0  | 0.0  |
| 91°  | 0.0  | 0.0  | 0.0  |
| 92°  | 0.0  | 0.0  | 0.0  |
| 93°  | 0.0  | 0.0  | 0.0  |
| 94°  | 0.0  | 0.0  | 0.0  |
| 95°  | 0.0  | 0.0  | 0.0  |
| 96°  | 0.0  | 0.0  | 0.0  |
| 97°  | 0.0  | 0.0  | 0.0  |
| 98°  | 0.0  | 0.0  | 0.0  |
| 99°  | 0.0  | 0.0  | 0.0  |
| 100° | 0.0  | 0.0  | 0.0  |
| 101° | 0.0  | 0.0  | 0.0  |
| 102° | 0.0  | 0.0  | 0.0  |
| 103° | 0.0  | 0.0  | 0.0  |
| 104° | 0.0  | 0.0  | 0.0  |
| 105° | 0.0  | 0.0  | 0.0  |
| 106° | 0.0  | 0.0  | 0.0  |
| 107° | 0.0  | 0.0  | 0.0  |
| 108° | 0.0  | 0.0  | 0.0  |
| 109° | 0.0  | 0.0  | 0.0  |
| 110° | 0.0  | 0.0  | 0.0  |
| 111° | 0.0  | 0.0  | 0.0  |
| 112° | 0.0  | 0.0  | 0.0  |
| 113° | 0.0  | 0.0  | 0.0  |
| 114° | 0.0  | 0.0  | 0.0  |
| 115° | 0.0  | 0.0  | 0.0  |
| 116° | 0.0  | 0.0  | 0.0  |
| 117° | 0.0  | 0.0  | 0.0  |
| 118° | 0.0  | 0.0  | 0.0  |
| 119° | 0.0  | 0.0  | 0.0  |
| 120° | 0.0  | 0.0  | 0.0  |
| 121° | 0.0  | 0.0  | 0.0  |
| 122° | 0.0  | 0.0  | 0.0  |
| 123° | 0.0  | 0.0  | 0.0  |
| 124° | 0.0  | 0.0  | 0.0  |
| 125° | 0.0  | 0.0  | 0.0  |
| 126° | 0.0  | 0.0  | 0.0  |
| 127° | 0.0  | 0.0  | 0.0  |
| 128° | 0.0  | 0.0  | 0.0  |
| 129° | 0.0  | 0.0  | 0.0  |
| 130° | 0.0  | 0.0  | 0.0  |
| 131° | 0.0  | 0.0  | 0.0  |
| 132° | 0.0  | 0.0  | 0.0  |
| 133° | 0.0  | 0.0  | 0.0  |
| 134° | 0.0  | 0.0  | 0.0  |

REPORT NUMBER: P1440318

CATALOG NUMBER: XSF100-SFTR-5Hx5V-830-Position 4

**CANDELA DISTRIBUTION (continued):**

|      | 330° | 345° | 360° |
|------|------|------|------|
| 135° | 0.0  | 0.0  | 0.0  |
| 136° | 0.0  | 0.0  | 0.0  |
| 137° | 0.0  | 0.0  | 0.0  |
| 138° | 0.0  | 0.0  | 0.0  |
| 139° | 0.0  | 0.0  | 0.0  |
| 140° | 0.0  | 0.0  | 0.0  |
| 141° | 0.0  | 0.0  | 0.0  |
| 142° | 0.0  | 0.0  | 0.0  |
| 143° | 0.0  | 0.0  | 0.0  |
| 144° | 0.0  | 0.0  | 0.0  |
| 145° | 0.0  | 0.0  | 0.0  |
| 146° | 0.0  | 0.0  | 0.0  |
| 147° | 0.0  | 0.0  | 0.0  |
| 148° | 0.0  | 0.0  | 0.0  |
| 149° | 0.0  | 0.0  | 0.0  |
| 150° | 0.0  | 0.0  | 0.0  |
| 151° | 0.0  | 0.0  | 0.0  |
| 152° | 0.0  | 0.0  | 0.0  |
| 153° | 0.0  | 0.0  | 0.0  |
| 154° | 0.0  | 0.0  | 0.0  |
| 155° | 0.0  | 0.0  | 0.0  |
| 156° | 0.0  | 0.0  | 0.0  |
| 157° | 0.0  | 0.0  | 0.0  |
| 158° | 0.0  | 0.0  | 0.0  |
| 159° | 0.0  | 0.0  | 0.0  |
| 160° | 0.0  | 0.0  | 0.0  |
| 161° | 0.0  | 0.0  | 0.0  |
| 162° | 0.0  | 0.0  | 0.0  |
| 163° | 0.0  | 0.0  | 0.0  |
| 164° | 0.0  | 0.0  | 0.0  |
| 165° | 0.0  | 0.0  | 0.0  |
| 166° | 0.0  | 0.0  | 0.0  |
| 167° | 0.0  | 0.0  | 0.0  |
| 168° | 0.0  | 0.0  | 0.0  |
| 169° | 0.0  | 0.0  | 0.0  |
| 170° | 0.0  | 0.0  | 0.0  |
| 171° | 0.0  | 0.0  | 0.0  |
| 172° | 0.0  | 0.0  | 0.0  |
| 173° | 0.0  | 0.0  | 0.0  |
| 174° | 0.0  | 0.0  | 0.0  |
| 175° | 0.0  | 0.0  | 0.0  |
| 176° | 0.0  | 0.0  | 0.0  |
| 177° | 0.0  | 0.0  | 0.0  |
| 178° | 0.0  | 0.0  | 0.0  |
| 179° | 0.0  | 0.0  | 0.0  |

REPORT NUMBER: P1440318

CATALOG NUMBER: XSF100-SFTR-5Hx5V-830-Position 4

**CANDELA DISTRIBUTION (continued):**

|      | 330° | 345° | 360° |
|------|------|------|------|
| 180° | 0.0  | 0.0  | 0.0  |

(END OF REPORT)