

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: P1440352

Luminaire Tested: XSF200-SFTR-5Hx5V-830-Position 2

Issue Date: 04/15/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1440352  
Test Lab: THIRD PARTY NVLAP  
Issue Date: 7/15/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: LUMARK  
Catalog Number: XSF200-SFTR-5Hx5V-830-Position 2  
Description: LUMARK ALL SELECTABLE LUMINAIRE 200W w/ NEMA 5 FLOOD DISTRIBUTION 3000K CCT  
80 CRI LIGHT ENGINE AT Position 2  
Light Source: (1) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 24855.5 lumens  
Efficiency: N/A  
Efficacy: 160.4 lumens/watt  
Luminous Opening: Rectangular (W 0.42' x L: 0.42' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

Input Watts (W): 155  
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

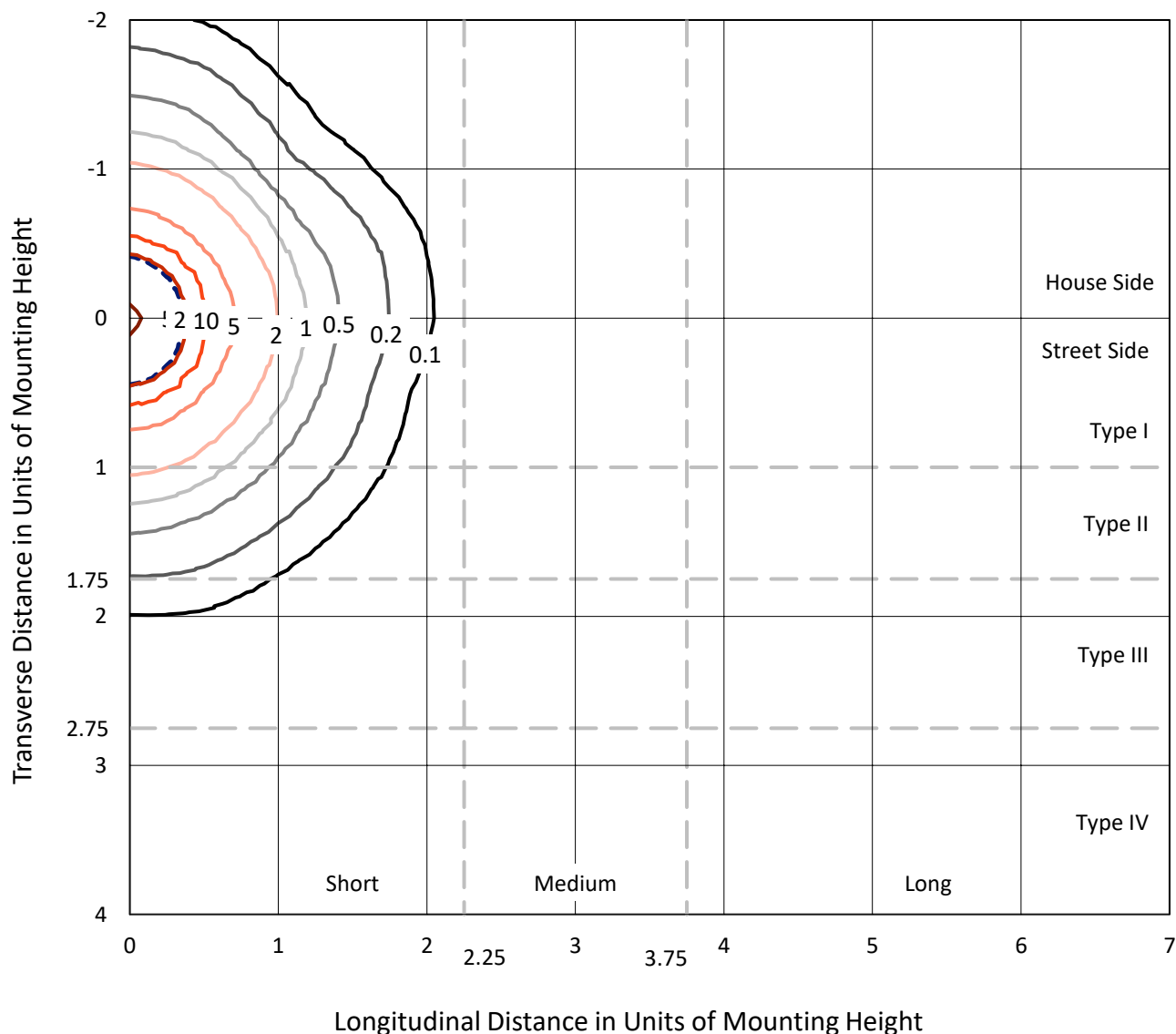
REPORT NUMBER: P1440352

CATALOG NUMBER: XSF200-SFTR-5Hx5V-830-Position 2

## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



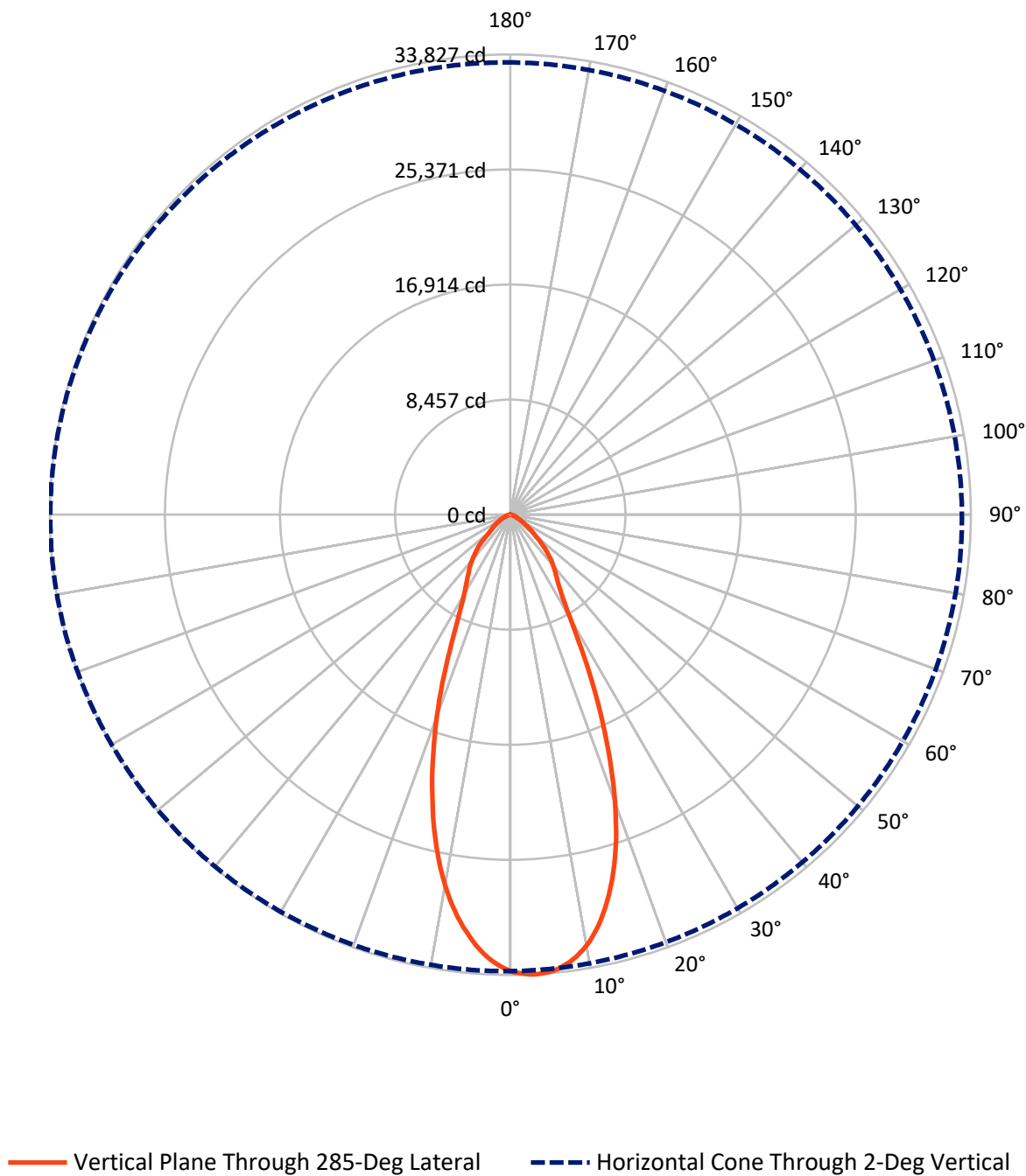
Based on 25 foot mounting height. Maximum calculated value = 53.8 fc

Type V - Short - N/A

REPORT NUMBER: P1440352

CATALOG NUMBER: XSF200-SFTR-5Hx5V-830-Position 2

## Luminous Intensity Polar Plot



REPORT NUMBER: P1440352

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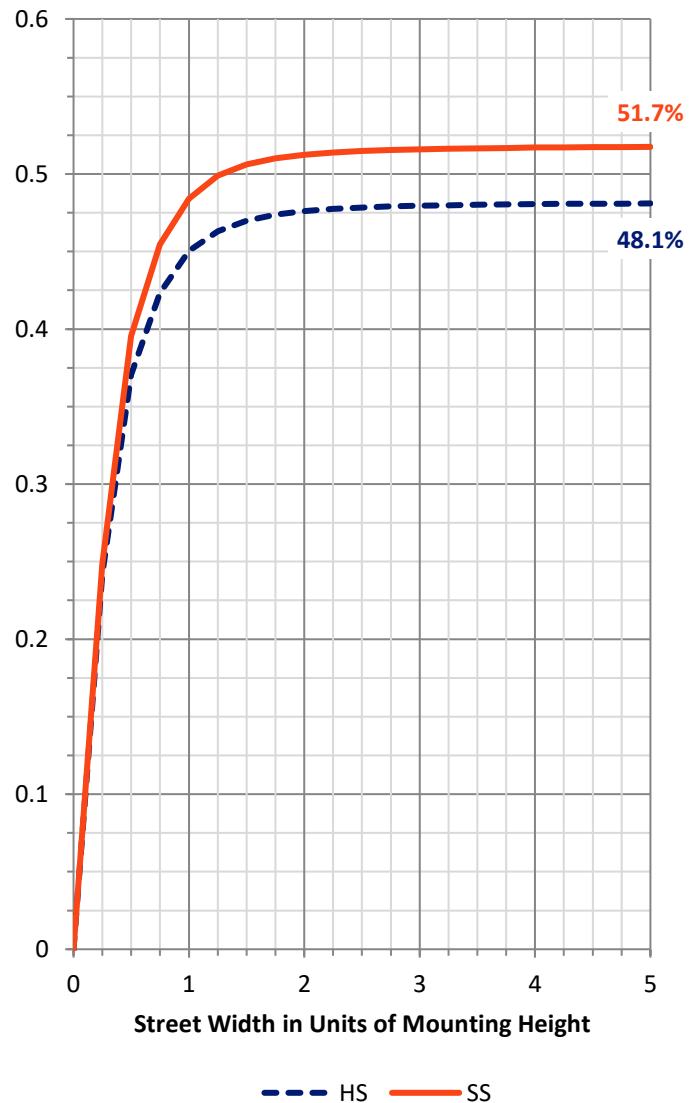
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 12076.3  | 0.0    | 12076.3 |
|                    | % Fixture | 48.6     | 0.0    | 48.6    |
| <b>Street Side</b> | Lumens    | 12779.1  | 0.0    | 12779.1 |
|                    | % Fixture | 51.4     | 0.0    | 51.4    |
| <b>Total</b>       | Lumens    | 24855.5  | 0.0    | 24855.5 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 3024.9  | 12.2      |
| 10°-20°   | 7149.8  | 28.8      |
| 20°-30°   | 6069.1  | 24.4      |
| 30°-40°   | 3711.4  | 14.9      |
| 40°-50°   | 2706.4  | 10.9      |
| 50°-60°   | 1344.0  | 5.4       |
| 60°-70°   | 605.0   | 2.4       |
| 70°-80°   | 217.5   | 0.9       |
| 80°-90°   | 27.5    | 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°    | 24855.5 | 100.0     |
| 0°-180°   | 24855.5 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P1440352

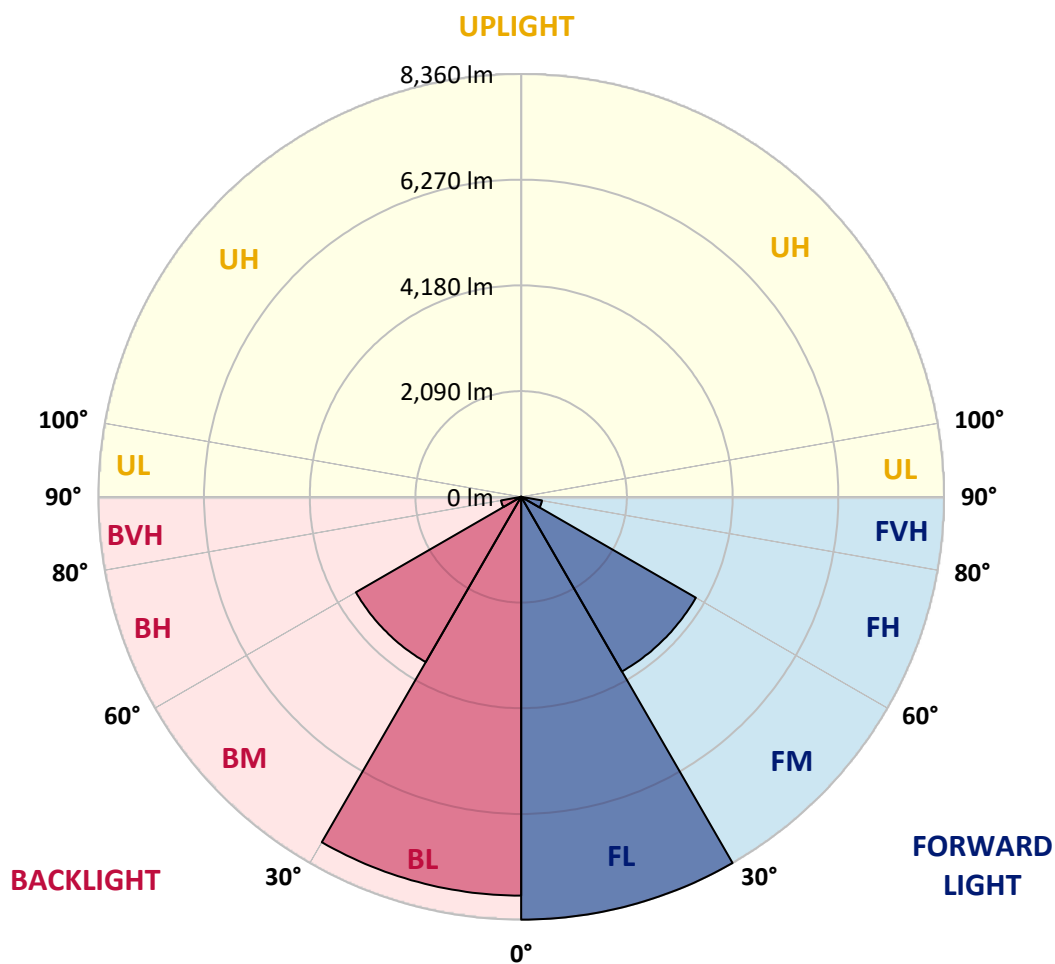
CATALOG NUMBER: XSF200-SFTR-5Hx5V-830-Position 2

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |        |
|------|-------------|--------|-----------|-------------------------|------|--------|
|      |             |        |           | B                       | U    | G      |
| FL   | (0°-30°)    | 8359.7 | 33.6      |                         |      |        |
| FM   | (30°-60°)   | 3988.6 | 16.0      |                         |      |        |
| FH   | (60°-80°)   | 417.8  | 1.7       |                         |      | G0/660 |
| FVH  | (80°-90°)   | 13.1   | 0.1       |                         |      | G1/100 |
| BL   | (0°-30°)    | 7884.0 | 31.7      | B5                      |      |        |
| BM   | (30°-60°)   | 3773.2 | 15.2      | B3/5000                 |      |        |
| BH   | (60°-80°)   | 404.7  | 1.6       | B1/500                  |      | G0/660 |
| BVH  | (80°-90°)   | 14.4   | 0.1       |                         |      | G1/100 |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |        |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |        |

**BUG Rating: B5-U0-G1**

Type V Short



REPORT NUMBER: P1440352

CATALOG NUMBER: XSF200-SFTR-5Hx5V-830-Position 2

**CANDELA DISTRIBUTION (FULL):**

|     | 0°      | 15°     | 30°     | 45°     | 60°     | 75°     | 90°     | 105°    | 120°    | 135°    | 150°    |
|-----|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°  | 33642.3 | 33642.3 | 33642.3 | 33642.3 | 33642.3 | 33642.3 | 33642.3 | 33642.3 | 33642.3 | 33642.3 | 33642.3 |
| 1°  | 33676.7 | 33626.5 | 33581.5 | 33544.5 | 33507.5 | 33478.4 | 33446.7 | 33412.3 | 33409.7 | 33417.6 | 33438.8 |
| 2°  | 33552.4 | 33459.9 | 33396.4 | 33346.2 | 33296.0 | 33232.5 | 33179.7 | 33126.8 | 33108.3 | 33116.2 | 33118.9 |
| 3°  | 33319.8 | 33208.7 | 33113.6 | 33039.5 | 32965.5 | 32891.5 | 32812.2 | 32759.3 | 32724.9 | 32722.3 | 32738.1 |
| 4°  | 32994.6 | 32841.3 | 32727.6 | 32653.5 | 32558.4 | 32481.7 | 32373.3 | 32307.2 | 32278.1 | 32280.8 | 32301.9 |
| 5°  | 32603.3 | 32455.3 | 32315.1 | 32193.5 | 32079.8 | 31989.9 | 31863.0 | 31781.1 | 31752.0 | 31778.4 | 31831.3 |
| 6°  | 32182.9 | 32016.4 | 31857.8 | 31693.8 | 31529.9 | 31403.0 | 31257.6 | 31162.4 | 31154.5 | 31225.9 | 31344.9 |
| 7°  | 31767.9 | 31577.5 | 31373.9 | 31143.9 | 30913.9 | 30750.0 | 30607.2 | 30509.4 | 30512.1 | 30628.4 | 30826.7 |
| 8°  | 31397.7 | 31159.8 | 30882.2 | 30564.9 | 30255.6 | 30038.8 | 29853.8 | 29777.1 | 29824.7 | 30007.1 | 30305.9 |
| 9°  | 31017.0 | 30739.4 | 30371.9 | 29943.7 | 29536.5 | 29253.6 | 29034.2 | 28973.4 | 29055.3 | 29322.4 | 29737.4 |
| 10° | 30612.5 | 30282.1 | 29822.0 | 29293.3 | 28785.7 | 28423.5 | 28135.3 | 28095.6 | 28235.8 | 28592.7 | 29092.3 |
| 11° | 30141.9 | 29777.1 | 29221.9 | 28598.0 | 27976.7 | 27506.1 | 27186.2 | 27146.5 | 27360.7 | 27791.6 | 28394.4 |
| 12° | 29578.8 | 29161.1 | 28574.2 | 27833.9 | 27133.3 | 26556.9 | 26153.0 | 26138.7 | 26407.8 | 26929.7 | 27588.0 |
| 13° | 28909.9 | 28463.1 | 27812.7 | 27001.1 | 26208.8 | 25517.9 | 25046.3 | 25048.4 | 25392.4 | 25982.2 | 26686.5 |
| 14° | 28151.2 | 27638.3 | 26932.4 | 26099.6 | 25201.5 | 24420.2 | 23889.1 | 23899.9 | 24313.7 | 24952.7 | 25690.0 |
| 15° | 27313.1 | 26763.2 | 25932.5 | 25102.9 | 24153.5 | 23269.1 | 22666.9 | 22705.7 | 23149.9 | 23843.9 | 24592.9 |
| 16° | 26438.0 | 25768.3 | 24889.2 | 24032.6 | 23011.9 | 22066.7 | 21422.7 | 21448.6 | 21927.1 | 22679.0 | 23419.6 |
| 17° | 25512.9 | 24735.4 | 23783.1 | 22881.8 | 21800.8 | 20807.5 | 20162.9 | 20196.2 | 20671.3 | 21423.7 | 22191.2 |
| 18° | 24549.8 | 23683.9 | 22639.9 | 21669.9 | 20554.7 | 19551.4 | 18913.5 | 18908.2 | 19379.8 | 20131.5 | 20917.2 |
| 19° | 23551.5 | 22589.4 | 21441.2 | 20385.8 | 19269.8 | 18271.5 | 17664.5 | 17652.6 | 18076.4 | 18759.6 | 19585.8 |
| 20° | 22496.9 | 21422.4 | 20190.9 | 19083.2 | 17986.3 | 17024.7 | 16424.1 | 16402.1 | 16768.8 | 17361.0 | 18181.1 |
| 21° | 21322.8 | 20147.9 | 18864.6 | 17762.9 | 16680.0 | 15771.3 | 15175.1 | 15141.0 | 15450.6 | 15950.8 | 16712.0 |
| 22° | 20013.0 | 18831.8 | 17512.3 | 16424.3 | 15393.2 | 14509.4 | 13951.3 | 13897.1 | 14175.5 | 14559.7 | 15241.2 |
| 23° | 18587.0 | 17400.7 | 16125.0 | 15064.4 | 14090.4 | 13263.9 | 12741.5 | 12662.2 | 12886.7 | 13201.5 | 13790.8 |
| 24° | 17074.2 | 15938.1 | 14743.1 | 13730.3 | 12827.2 | 12070.0 | 11586.2 | 11497.3 | 11651.5 | 11887.3 | 12429.3 |
| 25° | 15556.4 | 14519.2 | 13408.5 | 12460.2 | 11620.8 | 10962.5 | 10551.9 | 10416.8 | 10501.7 | 10681.7 | 11168.2 |
| 26° | 14021.9 | 13105.8 | 12108.1 | 11240.1 | 10501.7 | 9966.6  | 9631.9  | 9482.0  | 9471.7  | 9611.8  | 10022.9 |
| 27° | 12540.1 | 11777.9 | 10904.1 | 10122.8 | 9517.4  | 9119.3  | 8854.6  | 8693.3  | 8611.1  | 8682.0  | 9055.0  |
| 28° | 11156.3 | 10545.6 | 9821.4  | 9147.3  | 8654.5  | 8386.4  | 8195.5  | 8020.5  | 7892.0  | 7920.0  | 8227.8  |
| 29° | 9973.7  | 9494.4  | 8893.5  | 8319.2  | 7943.8  | 7768.5  | 7642.7  | 7467.4  | 7299.0  | 7287.4  | 7560.7  |
| 30° | 8997.1  | 8605.0  | 8117.3  | 7622.1  | 7334.4  | 7253.5  | 7182.9  | 7002.1  | 6820.5  | 6775.0  | 7011.9  |
| 31° | 8229.6  | 7912.4  | 7470.8  | 7039.1  | 6828.1  | 6826.3  | 6794.6  | 6622.7  | 6420.2  | 6353.3  | 6577.8  |
| 32° | 7630.8  | 7353.2  | 6937.1  | 6567.7  | 6412.5  | 6465.4  | 6471.5  | 6289.3  | 6088.1  | 6004.1  | 6215.8  |
| 33° | 7171.3  | 6915.4  | 6506.4  | 6166.4  | 6060.4  | 6157.1  | 6186.2  | 6004.1  | 5803.1  | 5700.0  | 5908.9  |
| 34° | 6807.5  | 6568.3  | 6151.9  | 5825.6  | 5748.1  | 5886.2  | 5940.6  | 5752.1  | 5546.7  | 5441.7  | 5651.9  |
| 35° | 6513.5  | 6277.2  | 5853.6  | 5526.3  | 5472.7  | 5635.0  | 5706.1  | 5515.8  | 5309.0  | 5201.4  | 5421.1  |
| 36° | 6269.2  | 6029.2  | 5596.1  | 5255.1  | 5226.5  | 5407.4  | 5483.2  | 5296.3  | 5089.6  | 4983.3  | 5205.4  |
| 37° | 6058.5  | 5805.5  | 5365.9  | 5018.2  | 5001.5  | 5189.0  | 5269.9  | 5093.8  | 4870.1  | 4764.9  | 5003.7  |
| 38° | 5862.9  | 5590.6  | 5154.6  | 4802.5  | 4791.4  | 4975.6  | 5067.1  | 4891.0  | 4650.7  | 4546.5  | 4801.9  |
| 39° | 5663.8  | 5377.0  | 4949.5  | 4592.3  | 4580.6  | 4759.9  | 4864.3  | 4688.0  | 4429.2  | 4321.3  | 4599.9  |
| 40° | 5450.2  | 5163.1  | 4734.2  | 4376.5  | 4370.7  | 4532.0  | 4661.3  | 4469.9  | 4214.5  | 4101.3  | 4382.4  |
| 41° | 5227.6  | 4942.6  | 4506.9  | 4159.0  | 4154.7  | 4301.7  | 4428.9  | 4256.0  | 3987.4  | 3885.1  | 4159.0  |
| 42° | 4987.5  | 4708.9  | 4272.6  | 3939.8  | 3933.4  | 4055.8  | 4185.1  | 4024.7  | 3759.0  | 3666.2  | 3933.4  |
| 43° | 4734.8  | 4461.4  | 4042.6  | 3713.7  | 3710.0  | 3802.3  | 3944.3  | 3803.9  | 3526.3  | 3440.9  | 3707.7  |
| 44° | 4470.1  | 4203.9  | 3806.3  | 3494.8  | 3486.1  | 3557.0  | 3705.5  | 3583.1  | 3292.8  | 3220.1  | 3496.7  |

REPORT NUMBER: P1440352

CATALOG NUMBER: XSF200-SFTR-5Hx5V-830-Position 2

**CANDELA DISTRIBUTION (continued):**

|     | 0°     | 15°    | 30°    | 45°    | 60°    | 75°    | 90°    | 105°   | 120°   | 135°   | 150°   |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 45° | 4182.2 | 3943.8 | 3572.6 | 3277.3 | 3273.8 | 3327.2 | 3478.2 | 3369.5 | 3072.9 | 3010.5 | 3290.5 |
| 46° | 3890.3 | 3688.6 | 3339.1 | 3066.0 | 3065.2 | 3101.4 | 3232.0 | 3135.0 | 2849.7 | 2829.7 | 3097.2 |
| 47° | 3606.9 | 3435.6 | 3111.2 | 2857.9 | 2832.3 | 2854.2 | 2969.8 | 2856.9 | 2573.2 | 2625.8 | 2883.9 |
| 48° | 3342.3 | 3192.6 | 2870.9 | 2622.9 | 2589.6 | 2622.9 | 2722.6 | 2577.5 | 2295.7 | 2376.2 | 2622.0 |
| 49° | 3061.5 | 2922.7 | 2588.1 | 2370.8 | 2370.8 | 2394.7 | 2491.1 | 2306.2 | 2049.7 | 2127.3 | 2331.7 |
| 50° | 2803.2 | 2641.3 | 2350.1 | 2122.9 | 2152.1 | 2200.8 | 2288.1 | 2070.4 | 1792.0 | 1815.4 | 2072.7 |
| 51° | 2600.5 | 2336.9 | 2113.7 | 1875.2 | 1933.4 | 2007.8 | 2124.2 | 1903.9 | 1594.3 | 1568.9 | 1822.9 |
| 52° | 2348.8 | 2126.2 | 1877.3 | 1704.4 | 1766.3 | 1854.1 | 1978.5 | 1778.9 | 1454.4 | 1368.5 | 1645.8 |
| 53° | 2121.4 | 1915.6 | 1691.1 | 1575.6 | 1607.3 | 1689.2 | 1845.2 | 1676.7 | 1332.5 | 1210.5 | 1535.1 |
| 54° | 1894.7 | 1772.1 | 1560.9 | 1488.9 | 1461.0 | 1523.8 | 1694.3 | 1595.4 | 1229.9 | 1057.7 | 1415.4 |
| 55° | 1737.6 | 1587.9 | 1425.1 | 1392.6 | 1346.9 | 1383.4 | 1560.6 | 1496.3 | 1135.7 | 926.1  | 1281.5 |
| 56° | 1558.3 | 1431.8 | 1310.5 | 1278.5 | 1268.8 | 1276.5 | 1446.7 | 1401.9 | 1046.8 | 821.0  | 1144.5 |
| 57° | 1385.7 | 1307.2 | 1197.7 | 1179.2 | 1198.0 | 1177.6 | 1331.0 | 1301.7 | 976.6  | 750.1  | 1029.6 |
| 58° | 1219.1 | 1187.1 | 1096.9 | 1085.3 | 1100.9 | 1065.1 | 1217.5 | 1228.7 | 907.1  | 698.3  | 927.9  |
| 59° | 1102.7 | 1095.6 | 1010.1 | 992.2  | 1024.5 | 970.2  | 1116.3 | 1121.9 | 821.7  | 651.6  | 844.3  |
| 60° | 986.6  | 1031.1 | 931.4  | 907.1  | 942.3  | 852.4  | 1031.2 | 1014.9 | 755.2  | 609.6  | 772.9  |
| 61° | 882.2  | 941.6  | 845.4  | 832.8  | 854.7  | 757.2  | 940.3  | 943.3  | 713.7  | 574.7  | 706.1  |
| 62° | 788.3  | 842.8  | 766.5  | 762.9  | 777.6  | 701.3  | 859.1  | 876.0  | 661.0  | 539.8  | 649.6  |
| 63° | 710.0  | 756.1  | 700.4  | 699.7  | 712.2  | 653.2  | 796.8  | 808.1  | 610.5  | 505.0  | 601.4  |
| 64° | 635.9  | 692.2  | 643.2  | 644.2  | 654.9  | 598.0  | 731.3  | 730.4  | 562.5  | 474.8  | 556.4  |
| 65° | 573.0  | 626.2  | 594.4  | 594.0  | 598.8  | 548.1  | 666.7  | 660.6  | 514.6  | 446.1  | 511.4  |
| 66° | 520.2  | 567.3  | 545.8  | 545.9  | 546.2  | 503.2  | 605.5  | 597.8  | 472.5  | 417.0  | 469.7  |
| 67° | 472.1  | 514.3  | 499.4  | 500.0  | 495.8  | 463.9  | 544.3  | 535.0  | 431.3  | 388.4  | 427.8  |
| 68° | 426.9  | 462.7  | 452.5  | 453.2  | 446.5  | 425.4  | 483.1  | 472.5  | 391.1  | 360.9  | 386.8  |
| 69° | 385.2  | 414.8  | 404.4  | 406.2  | 400.1  | 386.4  | 430.2  | 421.6  | 355.0  | 333.0  | 352.7  |
| 70° | 344.7  | 368.9  | 361.0  | 362.2  | 356.7  | 349.7  | 388.0  | 378.8  | 322.2  | 306.0  | 339.5  |
| 71° | 309.0  | 328.2  | 328.9  | 321.6  | 317.7  | 316.1  | 373.0  | 339.7  | 292.2  | 278.9  | 322.7  |
| 72° | 274.5  | 291.3  | 322.4  | 285.5  | 282.0  | 284.3  | 333.2  | 303.0  | 263.8  | 252.5  | 290.2  |
| 73° | 242.2  | 257.0  | 288.8  | 252.4  | 249.3  | 253.4  | 287.3  | 268.0  | 235.7  | 225.1  | 248.4  |
| 74° | 214.1  | 225.7  | 244.5  | 223.1  | 220.7  | 225.1  | 246.2  | 235.5  | 209.1  | 199.2  | 214.7  |
| 75° | 186.1  | 194.3  | 209.6  | 194.0  | 192.2  | 196.8  | 212.1  | 204.7  | 183.6  | 175.1  | 185.6  |
| 76° | 158.0  | 163.0  | 174.9  | 164.8  | 163.6  | 168.6  | 183.4  | 176.7  | 159.3  | 151.8  | 158.6  |
| 77° | 134.3  | 136.3  | 140.2  | 138.4  | 139.2  | 143.7  | 158.0  | 150.9  | 136.8  | 129.7  | 134.8  |
| 78° | 110.8  | 110.3  | 117.0  | 115.0  | 117.5  | 121.2  | 136.0  | 127.1  | 115.9  | 107.5  | 113.2  |
| 79° | 87.3   | 88.2   | 96.5   | 94.5   | 97.4   | 100.1  | 114.5  | 105.0  | 96.6   | 88.3   | 94.7   |
| 80° | 68.1   | 68.5   | 76.9   | 76.2   | 78.0   | 81.0   | 93.1   | 85.5   | 78.6   | 71.6   | 77.5   |
| 81° | 51.8   | 52.0   | 58.2   | 60.7   | 63.3   | 65.7   | 75.8   | 70.6   | 64.2   | 58.3   | 62.7   |
| 82° | 38.5   | 39.5   | 44.5   | 45.4   | 48.4   | 51.5   | 61.2   | 55.7   | 49.8   | 44.9   | 47.9   |
| 83° | 27.4   | 27.7   | 30.3   | 31.7   | 35.0   | 38.4   | 46.6   | 41.0   | 35.5   | 31.7   | 33.1   |
| 84° | 19.3   | 19.4   | 21.3   | 22.9   | 25.7   | 28.2   | 32.2   | 30.0   | 26.3   | 23.1   | 22.9   |
| 85° | 11.1   | 11.2   | 12.4   | 14.2   | 16.7   | 19.1   | 20.3   | 20.7   | 17.7   | 15.1   | 13.9   |
| 86° | 2.9    | 3.0    | 3.5    | 5.6    | 7.6    | 11.3   | 10.9   | 11.1   | 9.4    | 8.1    | 7.2    |
| 87° | 0.9    | 0.9    | 0.9    | 1.4    | 2.4    | 3.6    | 4.2    | 4.2    | 3.6    | 3.3    | 3.1    |
| 88° | 0.4    | 0.4    | 0.4    | 0.4    | 0.6    | 0.8    | 1.0    | 1.1    | 1.2    | 1.3    | 1.4    |
| 89° | 0.2    | 0.2    | 0.2    | 0.2    | 0.2    | 0.3    | 0.4    | 0.4    | 0.5    | 0.5    | 0.5    |



REPORT NUMBER: P1440352

CATALOG NUMBER: XSF200-SFTR-5Hx5V-830-Position 2

**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: P1440352

CATALOG NUMBER: XSF200-SFTR-5Hx5V-830-Position 2

**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: P1440352  
CATALOG NUMBER: XSF200-SFTR-5Hx5V-830-Position 2

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: P1440352

CATALOG NUMBER: XSF200-SFTR-5Hx5V-830-Position 2

**CANDELA DISTRIBUTION (continued):**

|     | 165°    | 180°    | 195°    | 210°    | 225°    | 240°    | 255°    | 270°    | 285°    | 300°    | 315°    |
|-----|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°  | 33642.3 | 33642.3 | 33642.3 | 33642.3 | 33642.3 | 33642.3 | 33642.3 | 33642.3 | 33642.3 | 33642.3 | 33642.3 |
| 1°  | 33465.2 | 33520.7 | 33544.5 | 33602.7 | 33642.3 | 33689.9 | 33726.9 | 33745.4 | 33740.1 | 33761.3 | 33769.2 |
| 2°  | 33163.8 | 33240.5 | 33317.1 | 33420.2 | 33541.9 | 33650.3 | 33745.4 | 33801.0 | 33827.4 | 33808.9 | 33782.4 |
| 3°  | 32791.0 | 32867.7 | 32989.3 | 33142.6 | 33333.0 | 33518.1 | 33703.1 | 33779.8 | 33822.1 | 33787.7 | 33705.8 |
| 4°  | 32365.4 | 32460.5 | 32603.3 | 32796.3 | 33066.0 | 33330.4 | 33594.7 | 33713.7 | 33771.9 | 33682.0 | 33526.0 |
| 5°  | 31929.1 | 32037.5 | 32185.6 | 32405.0 | 32732.9 | 33081.8 | 33415.0 | 33597.4 | 33655.5 | 33512.8 | 33288.1 |
| 6°  | 31492.9 | 31604.0 | 31754.7 | 32013.7 | 32365.4 | 32775.2 | 33177.0 | 33415.0 | 33452.0 | 33285.4 | 32986.7 |
| 7°  | 31032.9 | 31194.2 | 31360.7 | 31611.9 | 31974.1 | 32415.6 | 32870.3 | 33145.3 | 33179.7 | 32976.1 | 32648.3 |
| 8°  | 30591.4 | 30797.6 | 30982.7 | 31236.5 | 31582.8 | 32024.3 | 32497.6 | 32809.5 | 32851.8 | 32619.2 | 32259.6 |
| 9°  | 30118.1 | 30364.0 | 30602.0 | 30855.8 | 31178.3 | 31582.8 | 32056.0 | 32375.9 | 32418.2 | 32188.2 | 31831.3 |
| 10° | 29560.3 | 29864.3 | 30144.6 | 30443.3 | 30728.9 | 31080.5 | 31519.4 | 31855.1 | 31910.6 | 31688.6 | 31411.0 |
| 11° | 28928.4 | 29272.1 | 29613.2 | 29964.8 | 30255.6 | 30509.4 | 30887.5 | 31215.3 | 31294.6 | 31117.5 | 30945.6 |
| 12° | 28185.5 | 28555.7 | 28954.9 | 29409.6 | 29713.6 | 29896.1 | 30176.3 | 30477.7 | 30578.2 | 30483.0 | 30443.3 |
| 13° | 27323.6 | 27712.3 | 28185.5 | 28756.6 | 29105.6 | 29174.3 | 29396.4 | 29666.1 | 29771.8 | 29769.2 | 29880.2 |
| 14° | 26361.8 | 26802.8 | 27307.8 | 27992.5 | 28381.2 | 28412.9 | 28521.3 | 28764.5 | 28883.5 | 28989.2 | 29243.0 |
| 15° | 25336.8 | 25843.4 | 26385.1 | 27122.7 | 27577.5 | 27561.6 | 27585.4 | 27762.5 | 27937.0 | 28137.9 | 28518.6 |
| 16° | 24262.7 | 24869.7 | 25405.3 | 26138.7 | 26607.2 | 26583.4 | 26562.2 | 26665.3 | 26887.4 | 27220.5 | 27693.8 |
| 17° | 23162.0 | 23895.7 | 24436.6 | 25071.1 | 25523.0 | 25533.5 | 25436.0 | 25466.4 | 25752.2 | 26188.7 | 26715.6 |
| 18° | 21986.9 | 22876.5 | 23424.3 | 23943.0 | 24329.5 | 24373.4 | 24215.1 | 24185.5 | 24507.7 | 25098.6 | 25621.0 |
| 19° | 20726.6 | 21744.4 | 22345.6 | 22752.5 | 23026.9 | 23099.1 | 22894.8 | 22820.2 | 23192.7 | 23876.9 | 24385.3 |
| 20° | 19357.1 | 20472.8 | 21121.8 | 21466.0 | 21616.5 | 21724.9 | 21492.5 | 21392.8 | 21781.2 | 22534.4 | 23071.6 |
| 21° | 17890.6 | 19040.1 | 19744.9 | 20040.5 | 20116.4 | 20282.9 | 20026.2 | 19933.2 | 20330.8 | 21120.2 | 21646.4 |
| 22° | 16358.5 | 17510.7 | 18244.6 | 18501.3 | 18579.3 | 18760.4 | 18536.7 | 18455.8 | 18868.8 | 19632.8 | 20162.1 |
| 23° | 14840.2 | 15938.4 | 16675.0 | 16874.6 | 16958.9 | 17200.0 | 17030.0 | 16982.4 | 17380.6 | 18113.2 | 18593.8 |
| 24° | 13353.3 | 14372.7 | 15047.7 | 15282.5 | 15382.4 | 15622.7 | 15524.9 | 15502.7 | 15915.1 | 16566.8 | 17007.3 |
| 25° | 11983.5 | 12845.7 | 13497.6 | 13717.6 | 13809.9 | 14122.9 | 14034.3 | 14049.9 | 14470.0 | 15055.6 | 15425.2 |
| 26° | 10711.3 | 11428.1 | 11999.9 | 12241.3 | 12341.0 | 12592.7 | 12567.0 | 12626.5 | 13033.7 | 13549.7 | 13895.0 |
| 27° | 9626.1  | 10220.9 | 10707.6 | 10936.6 | 11003.7 | 11208.4 | 11205.5 | 11295.1 | 11676.1 | 12133.7 | 12431.9 |
| 28° | 8709.2  | 9187.7  | 9558.9  | 9756.1  | 9801.6  | 9930.4  | 9966.6  | 10077.9 | 10397.0 | 10796.7 | 11077.5 |
| 29° | 7988.0  | 8398.3  | 8668.0  | 8789.0  | 8776.4  | 8833.2  | 8901.4  | 9049.7  | 9300.6  | 9608.6  | 9864.8  |
| 30° | 7420.9  | 7775.1  | 7950.7  | 7980.0  | 7914.5  | 7930.9  | 8040.6  | 8210.8  | 8390.9  | 8586.8  | 8798.3  |
| 31° | 6971.4  | 7304.8  | 7418.5  | 7348.7  | 7222.9  | 7221.0  | 7364.6  | 7549.9  | 7674.2  | 7755.3  | 7937.2  |
| 32° | 6617.2  | 6927.5  | 6979.1  | 6832.6  | 6675.6  | 6656.6  | 6829.5  | 7026.2  | 7108.4  | 7111.3  | 7231.8  |
| 33° | 6326.9  | 6622.4  | 6646.0  | 6426.0  | 6223.8  | 6217.2  | 6400.4  | 6610.6  | 6652.3  | 6585.7  | 6669.5  |
| 34° | 6076.5  | 6380.5  | 6354.4  | 6092.4  | 5866.1  | 5857.3  | 6055.6  | 6271.4  | 6290.4  | 6167.5  | 6220.6  |
| 35° | 5860.8  | 6173.3  | 6107.2  | 5807.1  | 5554.4  | 5556.7  | 5761.6  | 5982.4  | 5987.1  | 5824.0  | 5847.0  |
| 36° | 5662.7  | 5986.1  | 5888.3  | 5553.3  | 5286.5  | 5294.2  | 5507.3  | 5738.4  | 5723.8  | 5527.9  | 5538.8  |
| 37° | 5469.5  | 5803.1  | 5679.4  | 5323.0  | 5066.3  | 5077.4  | 5283.6  | 5513.1  | 5481.4  | 5267.2  | 5270.1  |
| 38° | 5267.5  | 5610.9  | 5474.0  | 5113.9  | 4845.8  | 4860.9  | 5085.1  | 5310.1  | 5258.2  | 5030.1  | 5031.9  |
| 39° | 5058.1  | 5412.1  | 5263.8  | 4905.0  | 4625.3  | 4644.1  | 4886.5  | 5109.1  | 5048.1  | 4806.7  | 4808.0  |
| 40° | 4848.7  | 5200.9  | 5033.8  | 4695.9  | 4401.1  | 4424.1  | 4688.0  | 4900.0  | 4826.8  | 4586.7  | 4588.8  |
| 41° | 4639.1  | 4980.7  | 4804.0  | 4467.5  | 4177.2  | 4204.2  | 4471.7  | 4679.8  | 4601.0  | 4368.3  | 4373.4  |
| 42° | 4392.4  | 4759.9  | 4573.0  | 4222.1  | 3951.4  | 3981.3  | 4245.1  | 4449.2  | 4359.4  | 4142.3  | 4152.1  |
| 43° | 4151.0  | 4515.3  | 4309.9  | 3975.7  | 3719.8  | 3757.6  | 4013.5  | 4199.7  | 4102.6  | 3917.6  | 3925.0  |
| 44° | 3912.6  | 4266.8  | 4049.2  | 3717.7  | 3481.9  | 3527.9  | 3781.2  | 3946.9  | 3832.7  | 3682.8  | 3698.9  |

REPORT NUMBER: P1440352

CATALOG NUMBER: XSF200-SFTR-5Hx5V-830-Position 2

**CANDELA DISTRIBUTION (continued):**

|     | 165°   | 180°   | 195°   | 210°   | 225°   | 240°   | 255°   | 270°   | 285°   | 300°   | 315°   |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 45° | 3686.5 | 4026.2 | 3789.1 | 3466.3 | 3242.6 | 3281.0 | 3544.3 | 3699.7 | 3558.6 | 3445.9 | 3472.4 |
| 46° | 3465.0 | 3793.8 | 3553.3 | 3232.6 | 3018.7 | 3042.2 | 3314.0 | 3460.7 | 3287.8 | 3201.6 | 3251.1 |
| 47° | 3220.9 | 3531.6 | 3312.1 | 3024.0 | 2810.9 | 2812.7 | 3086.1 | 3242.1 | 3047.0 | 2968.2 | 3038.5 |
| 48° | 2941.8 | 3260.3 | 3025.3 | 2766.5 | 2581.0 | 2567.0 | 2839.4 | 3005.2 | 2797.1 | 2748.2 | 2832.6 |
| 49° | 2689.5 | 3013.4 | 2745.8 | 2473.3 | 2290.5 | 2272.1 | 2570.7 | 2760.4 | 2543.8 | 2518.3 | 2589.7 |
| 50° | 2476.4 | 2846.0 | 2538.0 | 2210.6 | 1981.4 | 2011.1 | 2285.6 | 2506.2 | 2351.0 | 2286.9 | 2357.6 |
| 51° | 2279.5 | 2633.2 | 2385.2 | 1994.5 | 1696.6 | 1785.0 | 2033.0 | 2322.2 | 2158.5 | 2055.5 | 2084.8 |
| 52° | 2121.9 | 2414.7 | 2207.3 | 1757.2 | 1442.5 | 1548.0 | 1840.8 | 2138.8 | 1966.0 | 1824.1 | 1810.8 |
| 53° | 2028.6 | 2289.8 | 2108.1 | 1640.6 | 1296.5 | 1395.9 | 1716.1 | 1955.4 | 1805.0 | 1656.3 | 1650.5 |
| 54° | 1911.3 | 2174.5 | 2003.4 | 1507.6 | 1144.6 | 1284.1 | 1625.7 | 1792.1 | 1644.5 | 1521.2 | 1527.8 |
| 55° | 1790.8 | 2023.9 | 1841.9 | 1365.0 | 995.7  | 1182.9 | 1552.7 | 1643.4 | 1493.3 | 1407.0 | 1412.8 |
| 56° | 1621.1 | 1853.2 | 1667.6 | 1230.3 | 873.2  | 1099.7 | 1474.9 | 1521.4 | 1364.2 | 1318.6 | 1309.5 |
| 57° | 1460.3 | 1674.5 | 1507.9 | 1102.8 | 790.0  | 1032.5 | 1372.4 | 1389.4 | 1233.2 | 1236.8 | 1209.6 |
| 58° | 1341.8 | 1520.7 | 1365.8 | 988.5  | 733.3  | 970.6  | 1271.7 | 1266.8 | 1099.9 | 1123.9 | 1118.5 |
| 59° | 1214.7 | 1397.1 | 1233.6 | 900.1  | 683.7  | 885.3  | 1204.3 | 1171.0 | 1026.5 | 1031.1 | 1031.9 |
| 60° | 1081.5 | 1263.0 | 1103.7 | 833.6  | 639.5  | 798.8  | 1102.4 | 1072.8 | 926.4  | 971.6  | 952.3  |
| 61° | 972.7  | 1123.6 | 984.3  | 754.1  | 598.3  | 733.5  | 990.0  | 969.9  | 815.3  | 891.5  | 876.7  |
| 62° | 879.2  | 1001.3 | 876.1  | 678.3  | 561.8  | 682.5  | 906.3  | 894.2  | 734.9  | 810.2  | 804.6  |
| 63° | 790.7  | 889.0  | 788.4  | 617.3  | 525.3  | 632.2  | 841.1  | 827.6  | 665.7  | 732.9  | 739.6  |
| 64° | 723.3  | 793.5  | 711.3  | 567.9  | 494.0  | 584.9  | 765.8  | 760.2  | 606.1  | 668.1  | 678.1  |
| 65° | 657.5  | 707.0  | 645.7  | 518.6  | 464.4  | 537.6  | 695.9  | 697.2  | 558.6  | 613.3  | 621.5  |
| 66° | 596.7  | 635.6  | 588.1  | 478.9  | 435.1  | 490.4  | 632.2  | 637.7  | 514.9  | 561.1  | 570.2  |
| 67° | 535.9  | 564.3  | 530.4  | 439.8  | 405.8  | 449.9  | 570.9  | 579.8  | 476.2  | 512.1  | 522.0  |
| 68° | 475.3  | 493.1  | 472.7  | 400.5  | 377.0  | 414.0  | 509.9  | 523.9  | 438.6  | 464.7  | 473.5  |
| 69° | 422.7  | 432.1  | 421.2  | 363.5  | 349.4  | 377.8  | 459.0  | 471.1  | 402.0  | 418.5  | 424.6  |
| 70° | 370.2  | 379.2  | 373.9  | 333.7  | 322.4  | 342.9  | 411.3  | 421.1  | 366.4  | 374.9  | 378.9  |
| 71° | 324.6  | 333.6  | 330.5  | 313.4  | 294.9  | 310.1  | 369.2  | 377.0  | 331.7  | 332.6  | 337.4  |
| 72° | 283.7  | 292.6  | 291.5  | 299.0  | 267.9  | 280.4  | 330.3  | 347.5  | 299.8  | 296.1  | 300.3  |
| 73° | 246.6  | 254.0  | 255.0  | 264.3  | 240.7  | 252.3  | 293.8  | 318.6  | 269.3  | 262.6  | 265.8  |
| 74° | 211.8  | 219.0  | 220.3  | 224.7  | 213.7  | 224.7  | 259.2  | 274.7  | 240.2  | 233.6  | 236.3  |
| 75° | 180.6  | 187.7  | 188.1  | 192.6  | 188.0  | 198.5  | 226.0  | 234.1  | 212.8  | 204.8  | 205.4  |
| 76° | 153.6  | 159.8  | 160.2  | 163.9  | 163.8  | 173.7  | 194.1  | 201.7  | 185.5  | 175.9  | 174.5  |
| 77° | 129.5  | 135.3  | 135.3  | 139.5  | 140.6  | 149.7  | 166.6  | 169.3  | 158.2  | 150.5  | 148.2  |
| 78° | 107.6  | 113.3  | 112.6  | 118.0  | 117.8  | 126.7  | 141.2  | 143.9  | 134.3  | 127.6  | 123.8  |
| 79° | 88.3   | 93.5   | 92.3   | 99.5   | 97.4   | 107.0  | 118.6  | 121.6  | 112.9  | 107.6  | 102.7  |
| 80° | 71.1   | 75.7   | 74.4   | 81.8   | 79.6   | 88.4   | 97.5   | 99.6   | 92.2   | 87.8   | 83.9   |
| 81° | 58.7   | 62.8   | 61.3   | 66.7   | 65.3   | 72.6   | 78.9   | 80.6   | 73.3   | 70.3   | 67.0   |
| 82° | 46.3   | 49.9   | 48.2   | 51.7   | 51.0   | 56.8   | 64.6   | 64.8   | 58.2   | 55.1   | 50.8   |
| 83° | 34.1   | 36.9   | 35.4   | 36.7   | 36.9   | 41.2   | 50.3   | 50.4   | 43.8   | 40.9   | 36.1   |
| 84° | 27.4   | 29.9   | 28.7   | 26.4   | 29.3   | 32.1   | 36.0   | 36.7   | 33.3   | 30.2   | 24.7   |
| 85° | 19.6   | 21.4   | 20.7   | 16.6   | 21.1   | 23.8   | 26.3   | 24.4   | 24.9   | 21.7   | 16.6   |
| 86° | 10.1   | 10.9   | 11.5   | 8.9    | 12.2   | 14.9   | 16.3   | 15.6   | 16.0   | 13.2   | 8.6    |
| 87° | 3.5    | 3.6    | 4.1    | 3.9    | 5.1    | 6.2    | 7.3    | 6.8    | 7.0    | 4.7    | 2.6    |
| 88° | 1.6    | 1.6    | 1.7    | 1.7    | 1.8    | 2.2    | 2.5    | 2.0    | 2.0    | 1.2    | 0.7    |
| 89° | 0.6    | 0.6    | 0.6    | 0.7    | 0.8    | 0.8    | 0.7    | 0.5    | 0.5    | 0.4    | 0.2    |

REPORT NUMBER: P1440352

CATALOG NUMBER: XSF200-SFTR-5Hx5V-830-Position 2

**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: P1440352

CATALOG NUMBER: XSF200-SFTR-5Hx5V-830-Position 2

**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  |



REPORT NUMBER: P1440352  
CATALOG NUMBER: XSF200-SFTR-5Hx5V-830-Position 2

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: P1440352

CATALOG NUMBER: XSF200-SFTR-5Hx5V-830-Position 2

**CANDELA DISTRIBUTION (continued):**

|     | 330°    | 345°    | 360°    |
|-----|---------|---------|---------|
| 0°  | 33642.3 | 33642.3 | 33642.3 |
| 1°  | 33729.6 | 33716.3 | 33676.7 |
| 2°  | 33705.8 | 33626.5 | 33552.4 |
| 3°  | 33568.3 | 33436.1 | 33319.8 |
| 4°  | 33322.4 | 33134.7 | 32994.6 |
| 5°  | 33010.5 | 32767.2 | 32603.3 |
| 6°  | 32658.8 | 32375.9 | 32182.9 |
| 7°  | 32272.8 | 31979.4 | 31767.9 |
| 8°  | 31878.9 | 31593.4 | 31397.7 |
| 9°  | 31508.8 | 31228.5 | 31017.0 |
| 10° | 31125.4 | 30853.1 | 30612.5 |
| 11° | 30720.9 | 30435.4 | 30141.9 |
| 12° | 30292.6 | 29951.6 | 29578.8 |
| 13° | 29769.2 | 29340.9 | 28909.9 |
| 14° | 29150.5 | 28640.3 | 28151.2 |
| 15° | 28410.2 | 27849.8 | 27313.1 |
| 16° | 27574.8 | 26998.5 | 26438.0 |
| 17° | 26657.4 | 26089.5 | 25512.9 |
| 18° | 25630.8 | 25133.8 | 24549.8 |
| 19° | 24521.8 | 24149.0 | 23551.5 |
| 20° | 23325.7 | 23118.7 | 22496.9 |
| 21° | 22022.8 | 21968.1 | 21322.8 |
| 22° | 20640.1 | 20677.9 | 20013.0 |
| 23° | 19109.9 | 19261.7 | 18587.0 |
| 24° | 17526.0 | 17713.4 | 17074.2 |
| 25° | 15938.4 | 16140.1 | 15556.4 |
| 26° | 14355.3 | 14531.6 | 14021.9 |
| 27° | 12844.9 | 12981.6 | 12540.1 |
| 28° | 11424.4 | 11508.5 | 11156.3 |
| 29° | 10147.4 | 10206.9 | 9973.7  |
| 30° | 9052.6  | 9108.1  | 8997.1  |
| 31° | 8167.0  | 8268.2  | 8229.6  |
| 32° | 7466.9  | 7613.3  | 7630.8  |
| 33° | 6913.5  | 7110.0  | 7171.3  |
| 34° | 6476.0  | 6722.9  | 6807.5  |
| 35° | 6117.5  | 6408.3  | 6513.5  |
| 36° | 5830.1  | 6156.9  | 6269.2  |
| 37° | 5582.1  | 5939.8  | 6058.5  |
| 38° | 5351.8  | 5738.9  | 5862.9  |
| 39° | 5128.4  | 5532.4  | 5663.8  |
| 40° | 4907.4  | 5311.7  | 5450.2  |
| 41° | 4683.0  | 5085.9  | 5227.6  |
| 42° | 4442.9  | 4851.4  | 4987.5  |
| 43° | 4212.1  | 4612.6  | 4734.8  |
| 44° | 3980.8  | 4358.0  | 4470.1  |

REPORT NUMBER: P1440352

CATALOG NUMBER: XSF200-SFTR-5Hx5V-830-Position 2

**CANDELA DISTRIBUTION (continued):**

|     | 330°   | 345°   | 360°   |
|-----|--------|--------|--------|
| 45° | 3744.1 | 4094.4 | 4182.2 |
| 46° | 3507.0 | 3825.6 | 3890.3 |
| 47° | 3266.4 | 3563.6 | 3606.9 |
| 48° | 3035.3 | 3302.9 | 3342.3 |
| 49° | 2791.6 | 3026.4 | 3061.5 |
| 50° | 2507.3 | 2744.0 | 2803.2 |
| 51° | 2269.7 | 2438.2 | 2600.5 |
| 52° | 2032.7 | 2222.5 | 2348.8 |
| 53° | 1795.7 | 2009.2 | 2121.4 |
| 54° | 1636.0 | 1795.9 | 1894.7 |
| 55° | 1505.1 | 1664.1 | 1737.6 |
| 56° | 1409.8 | 1534.0 | 1558.3 |
| 57° | 1294.3 | 1382.2 | 1385.7 |
| 58° | 1182.8 | 1249.5 | 1219.1 |
| 59° | 1082.6 | 1138.2 | 1102.7 |
| 60° | 990.3  | 1017.1 | 986.6  |
| 61° | 909.4  | 910.3  | 882.2  |
| 62° | 827.5  | 828.8  | 788.3  |
| 63° | 748.4  | 752.3  | 710.0  |
| 64° | 680.1  | 682.9  | 635.9  |
| 65° | 619.9  | 617.6  | 573.0  |
| 66° | 560.2  | 559.9  | 520.2  |
| 67° | 502.0  | 511.2  | 472.1  |
| 68° | 450.3  | 463.7  | 426.9  |
| 69° | 401.7  | 418.5  | 385.2  |
| 70° | 360.4  | 374.8  | 344.7  |
| 71° | 323.0  | 334.9  | 309.0  |
| 72° | 296.3  | 298.6  | 274.5  |
| 73° | 283.4  | 262.9  | 242.2  |
| 74° | 251.7  | 231.7  | 214.1  |
| 75° | 210.4  | 200.5  | 186.1  |
| 76° | 175.3  | 169.3  | 158.0  |
| 77° | 151.1  | 142.3  | 134.3  |
| 78° | 126.8  | 117.1  | 110.8  |
| 79° | 102.6  | 93.8   | 87.3   |
| 80° | 82.4   | 73.1   | 68.1   |
| 81° | 63.0   | 55.0   | 51.8   |
| 82° | 47.1   | 40.3   | 38.5   |
| 83° | 33.6   | 29.4   | 27.4   |
| 84° | 24.0   | 20.9   | 19.3   |
| 85° | 14.5   | 12.4   | 11.1   |
| 86° | 5.0    | 3.9    | 2.9    |
| 87° | 1.2    | 1.0    | 0.9    |
| 88° | 0.5    | 0.5    | 0.4    |
| 89° | 0.2    | 0.2    | 0.2    |

REPORT NUMBER: P1440352

CATALOG NUMBER: XSF200-SFTR-5Hx5V-830-Position 2

**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: P1440352

CATALOG NUMBER: XSF200-SFTR-5Hx5V-830-Position 2

**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: P1440352

CATALOG NUMBER: XSF200-SFTR-5Hx5V-830-Position 2

**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)