

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: P1440347

Luminaire Tested: XSF200-SFTR-4Hx4V-850-Position 1

Issue Date: 04/15/2026

Test Information

Test Method: LM-79-2024
Report Number: P1440347
Test Lab: THIRD PARTY NVLAP
Issue Date: 7/15/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XSF200-SFTR-4Hx4V-850-Position 1
Description: LUMARK ALL SELECTABLE LUMINAIRE 200W w/ NEMA 4 FLOOD DISTRIBUTION 5000K CCT
80 CRI LIGHT ENGINE AT Position 1
Light Source: (1) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31948.8 lumens
Efficiency: N/A
Efficacy: 158.9 lumens/watt
Luminous Opening: Rectangular (W 0.42' x L: 0.42' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 201
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

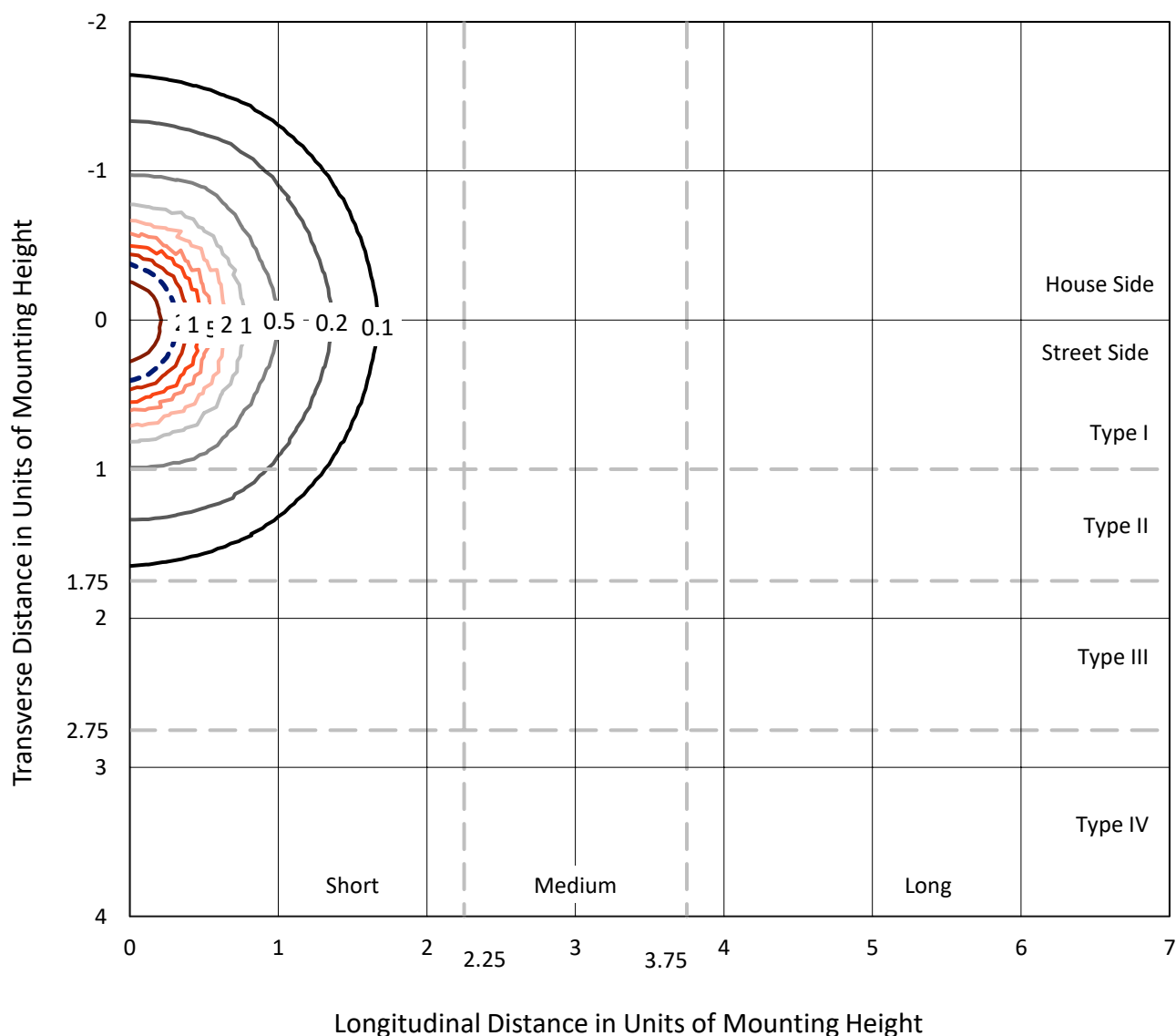
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



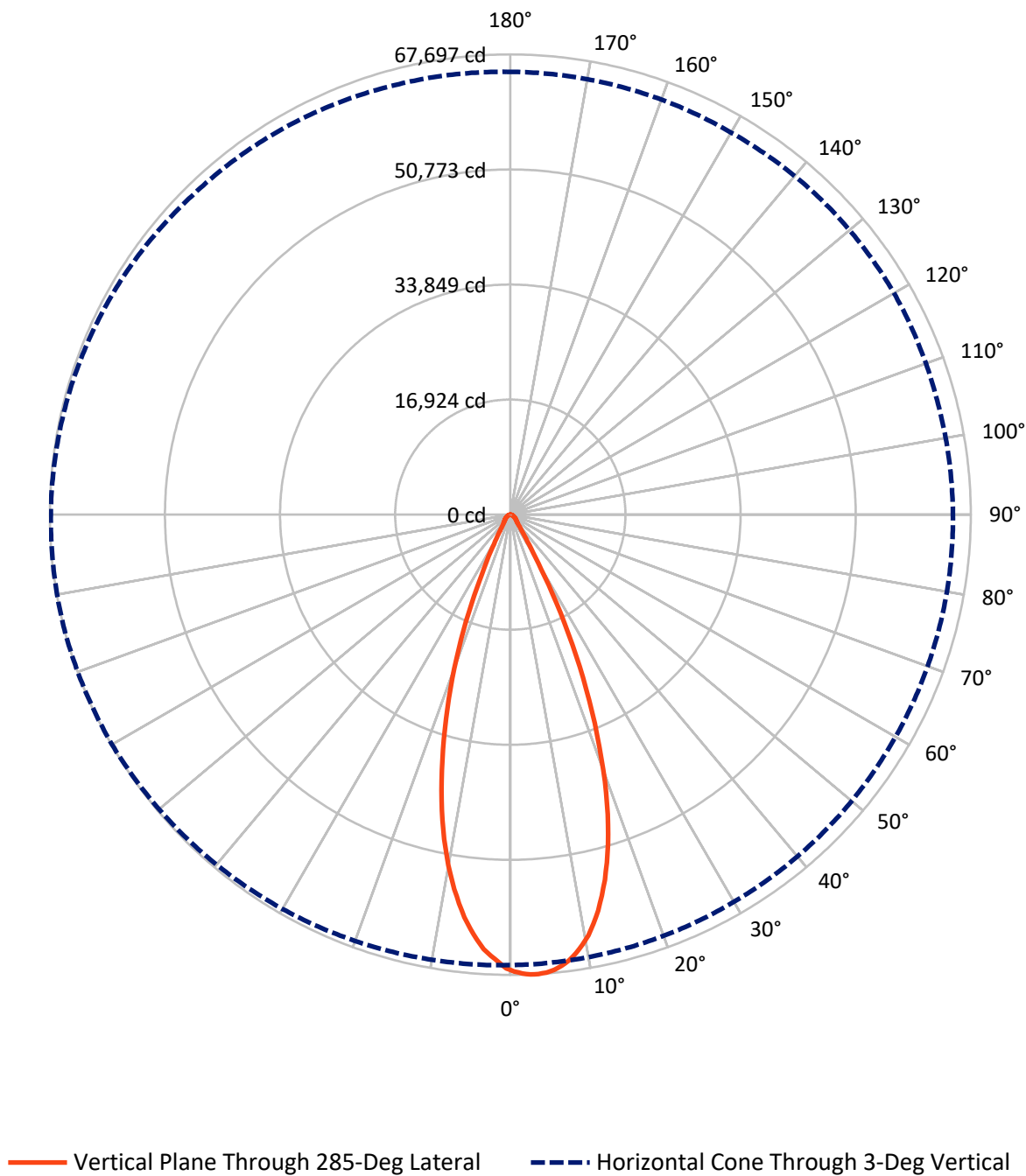
Based on 30 foot mounting height. Maximum calculated value = 74.7 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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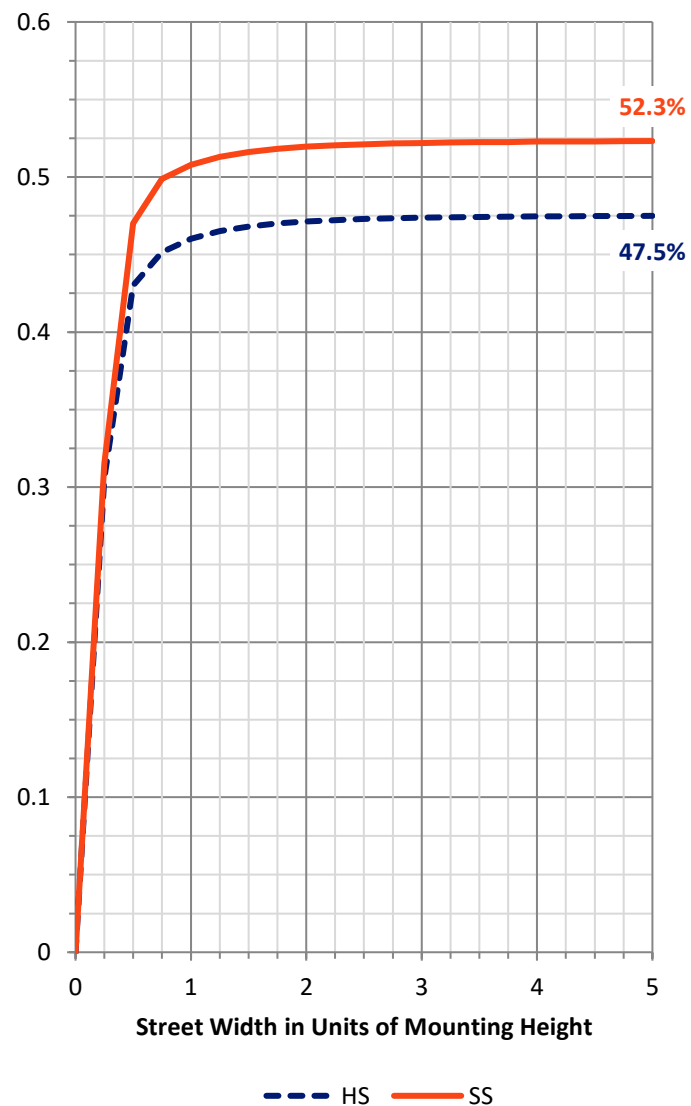
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15385.9	0.0	15385.9
	% Fixture	48.2	0.0	48.2
Street Side	Lumens	16562.9	0.0	16562.9
	% Fixture	51.8	0.0	51.8
Total	Lumens	31948.8	0.0	31948.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5949.9	18.6
10°-20°	13230.0	41.4
20°-30°	8472.9	26.5
30°-40°	1887.9	5.9
40°-50°	982.8	3.1
50°-60°	714.7	2.2
60°-70°	460.3	1.4
70°-80°	220.1	0.7
80°-90°	30.3	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°	31948.8	100.0
0°-180°	31948.8	100.0

Coefficient of Utilization



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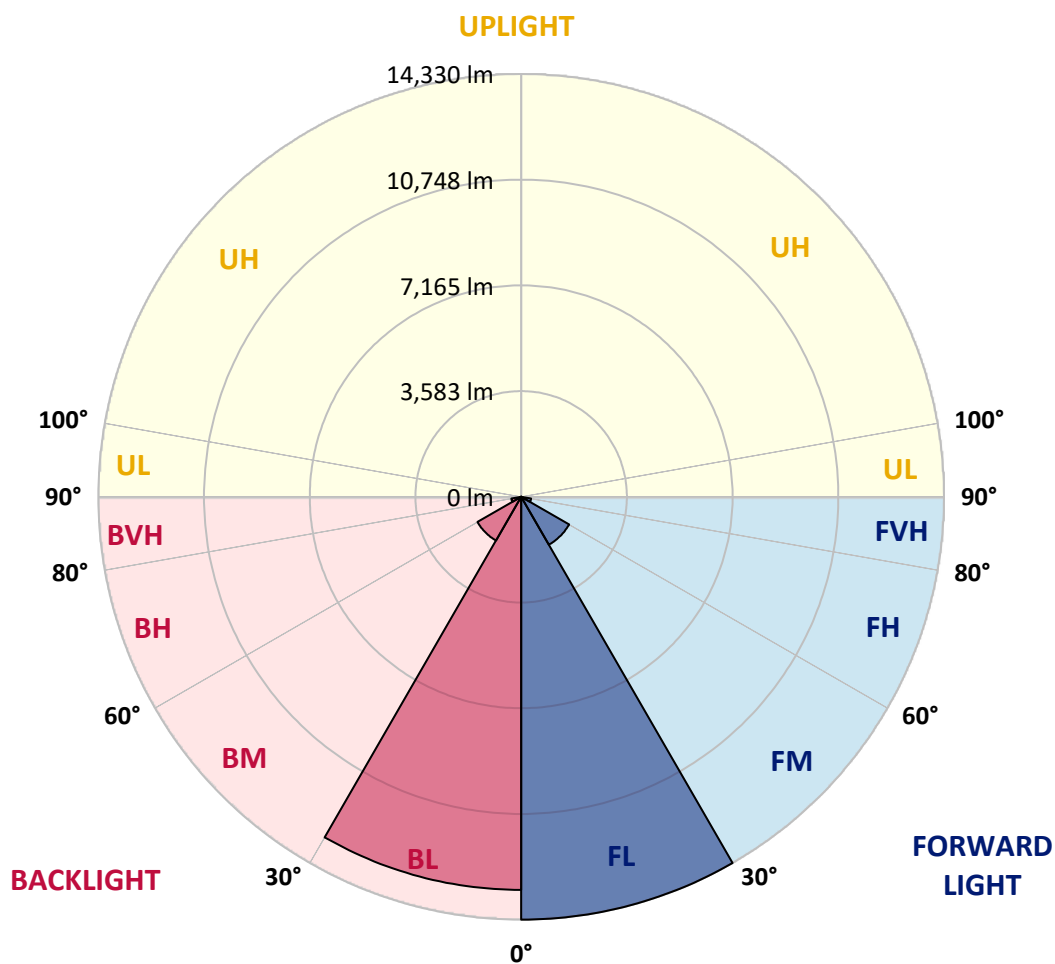
CATALOG NUMBER: XSF200-SFTR-4Hx4V-850-Position 1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	14330.2	44.9			
FM	(30°-60°)	1876.8	5.9			
FH	(60°-80°)	341.6	1.1			G0/660
FVH	(80°-90°)	14.3	0.0			G1/100
BL	(0°-30°)	13322.5	41.7	B5		
BM	(30°-60°)	1708.5	5.3	B2/2500		
BH	(60°-80°)	338.8	1.1	B1/500		G1/500
BVH	(80°-90°)	16.0	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 I Short



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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	67196.3	67196.3	67196.3	67196.3	67196.3	67196.3	67196.3	67196.3	67196.3	67196.3	67196.3
1°	67220.7	67140.7	67012.1	66900.8	66803.5	66702.6	66754.8	66733.9	66702.6	66695.7	66695.7
2°	66900.8	66709.6	66490.6	66358.4	66195.0	66090.7	65916.9	65843.9	65930.8	65896.0	65795.2
3°	66261.1	66010.8	65756.9	65586.6	65388.4	65231.9	65075.5	64953.8	65148.5	65089.4	64894.7
4°	65402.3	65124.2	64828.6	64595.7	64394.0	64182.0	64230.6	64049.8	63956.0	63949.0	63990.7
5°	64411.4	64070.7	63750.8	63472.7	63177.2	62885.1	62937.3	62718.2	62648.7	62680.0	62784.3
6°	63357.9	62989.4	62613.9	62196.7	61800.3	61438.7	61414.4	61219.7	61209.3	61310.1	61581.3
7°	62346.2	61922.0	61400.5	60819.9	60284.4	59842.9	59752.5	59592.6	59568.2	59863.8	60329.6
8°	61393.5	60892.9	60183.6	59370.0	58636.4	58014.1	57902.8	57697.7	57798.5	58295.7	59008.5
9°	60433.9	59867.2	58928.5	57829.8	56814.6	56049.7	55830.6	55695.1	55900.2	56581.6	57607.3
10°	59498.7	58723.4	57607.3	56206.1	54902.3	53967.1	53615.9	53522.0	53894.1	54805.0	56060.1
11°	58403.5	57475.2	56133.1	54485.1	52920.6	51679.3	51265.6	51220.4	51728.0	52826.7	54332.1
12°	57012.8	56028.8	54565.1	52645.9	50848.4	49336.0	48706.7	48696.2	49415.9	50698.9	52378.2
13°	55413.4	54318.2	52705.0	50632.8	48598.9	46832.7	46050.4	46046.9	46937.0	48414.6	50233.0
14°	53570.7	52378.2	50573.7	48432.0	46252.0	44193.8	43206.3	43275.9	44305.0	45939.1	47840.9
15°	51575.0	50226.0	48219.9	46060.8	43644.4	41412.3	40299.7	40362.3	41530.5	43262.0	45215.9
16°	49436.8	47889.6	45647.1	43498.4	40880.4	38502.2	37295.8	37393.1	38603.0	40463.1	42385.8
17°	47242.9	45462.8	43036.0	40727.4	38036.3	35526.1	34323.8	34402.7	35606.0	37507.8	39489.6
18°	45090.8	42966.4	40299.7	37879.9	35101.9	32646.2	31380.7	31417.5	32559.6	34446.2	36485.7
19°	42764.8	40386.6	37469.6	34889.8	32049.6	29729.5	28462.2	28449.0	29484.4	31221.1	33326.3
20°	40285.8	37660.8	34556.4	31696.0	29123.2	26811.8	25600.1	25552.8	26497.1	27979.6	30056.7
21°	37511.3	34667.3	31412.0	28696.9	26197.4	23894.0	22717.5	22648.0	23482.4	24716.0	26581.6
22°	34353.0	32090.6	28260.9	25702.3	23207.4	20984.6	19868.9	19793.1	20502.8	21481.5	23141.7
23°	30816.7	28448.3	25109.9	22608.7	20269.5	18133.3	17073.6	16982.8	17608.7	18368.3	19793.8
24°	27274.2	24778.2	21920.3	19601.9	17405.6	15390.5	14390.9	14275.1	14801.1	15410.3	16644.9
25°	23731.7	21322.9	18810.2	16679.0	14673.5	12886.1	11993.3	11825.7	12216.8	12718.5	13767.8
26°	20147.4	18023.4	15845.9	13947.2	12171.3	10662.3	9914.1	9688.1	9949.6	10352.2	11184.2
27°	16522.5	14857.8	13101.0	11509.6	10018.1	8776.5	8478.2	8264.0	8447.6	8765.0	9045.6
28°	13191.7	11961.3	10642.5	9389.8	8170.9	7199.4	7042.6	6839.6	6946.0	7177.5	7654.5
29°	10458.6	9556.7	8639.9	7652.1	6708.5	5939.1	5609.1	5420.3	5458.6	5606.4	6263.5
30°	8193.8	7600.0	6970.0	6237.7	5519.8	4908.6	4678.4	4505.9	4517.1	4627.6	4879.7
31°	6460.6	6086.5	5657.1	5126.2	4575.8	4102.3	3938.5	3791.1	3795.6	3890.2	4057.8
32°	5132.5	4898.5	4653.0	4260.8	3843.3	3487.9	3366.1	3227.4	3239.8	3324.6	3435.5
33°	4188.9	4032.4	3874.2	3589.5	3263.9	3099.3	2922.6	2796.4	2808.1	2880.3	2965.1
34°	3475.8	3378.3	3290.5	3183.5	2904.1	2715.1	2586.2	2459.9	2464.7	2540.5	2609.1
35°	3066.2	2998.0	2947.2	2778.1	2547.3	2330.9	2319.5	2196.8	2195.5	2269.4	2337.6
36°	2661.6	2622.1	2605.1	2372.8	2190.6	2101.2	2111.1	1989.4	1984.3	2058.5	2130.2
37°	2257.0	2246.3	2263.1	2124.4	1973.6	1917.4	1943.3	1822.1	1809.8	1884.3	1964.6
38°	2023.8	2022.4	2060.5	1928.8	1800.1	1766.7	1803.6	1683.4	1670.3	1744.6	1833.4
39°	1839.3	1841.7	1900.7	1766.5	1657.8	1640.8	1691.2	1571.3	1554.4	1630.1	1728.5
40°	1688.5	1695.5	1771.2	1631.4	1541.5	1537.4	1596.9	1477.5	1458.8	1536.4	1640.7
41°	1565.9	1575.6	1664.0	1525.0	1444.7	1450.7	1518.1	1398.8	1378.3	1458.0	1567.8
42°	1460.0	1476.0	1573.5	1435.8	1363.5	1377.9	1452.4	1330.9	1309.0	1392.0	1502.8
43°	1370.7	1391.6	1495.4	1360.1	1291.2	1313.4	1395.2	1273.2	1250.3	1335.9	1445.8
44°	1292.0	1319.2	1425.2	1293.9	1227.1	1256.0	1343.9	1222.7	1196.0	1287.2	1395.8

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CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	1223.1	1254.0	1363.6	1235.9	1170.0	1204.1	1297.5	1176.7	1147.2	1240.9	1345.4
46°	1160.4	1195.5	1307.2	1185.5	1119.5	1157.3	1252.5	1131.9	1102.5	1195.5	1291.9
47°	1105.9	1142.5	1255.8	1141.4	1073.3	1113.4	1203.3	1088.4	1059.7	1148.5	1232.6
48°	1055.5	1093.1	1207.4	1099.2	1030.5	1068.3	1153.3	1045.9	1019.6	1101.9	1173.1
49°	1006.6	1043.4	1156.1	1057.4	989.2	1025.2	1104.4	1004.4	980.9	1054.4	1112.3
50°	960.3	994.9	1101.8	1015.7	950.0	982.3	1053.4	963.1	942.6	1007.4	1052.5
51°	917.9	946.2	1044.3	971.6	911.6	938.5	1001.4	921.8	906.3	961.7	994.9
52°	878.0	899.0	986.4	927.9	873.9	893.7	950.5	882.2	869.4	915.7	938.7
53°	841.6	854.7	930.3	883.9	836.9	850.9	902.4	842.4	832.7	870.9	884.8
54°	805.5	810.1	875.2	840.6	800.3	809.3	854.5	805.4	797.0	826.6	833.4
55°	770.3	767.9	821.9	797.9	765.1	769.8	810.4	769.2	762.4	784.6	789.1
56°	735.4	727.3	770.9	755.5	730.9	733.9	772.8	732.9	727.8	742.9	745.9
57°	702.0	689.5	723.5	714.2	697.7	699.7	735.2	696.8	693.3	701.1	702.9
58°	666.9	652.6	682.1	673.9	665.3	666.8	697.7	663.1	661.8	660.5	664.6
59°	634.3	618.5	643.6	634.4	634.3	635.8	664.2	631.1	630.8	622.3	627.7
60°	600.6	585.0	605.8	595.3	602.1	606.0	631.5	600.2	599.7	586.2	592.6
61°	569.3	553.4	569.6	559.1	571.0	578.0	600.7	571.6	568.6	554.2	559.3
62°	539.1	523.9	536.8	527.2	542.3	550.4	576.0	545.3	539.4	526.3	532.6
63°	508.9	496.2	507.7	498.5	513.5	524.9	558.2	520.2	511.6	499.9	509.6
64°	479.9	471.4	484.3	472.5	485.7	499.4	540.4	495.4	484.1	474.4	488.5
65°	451.3	446.6	464.1	447.4	458.1	474.3	518.7	469.8	456.7	449.2	464.8
66°	422.9	423.0	444.1	422.3	430.2	449.8	495.3	444.3	428.4	424.8	436.6
67°	395.3	399.6	418.3	396.9	402.0	425.9	469.1	419.4	399.6	401.1	404.3
68°	367.6	374.8	386.8	372.1	372.5	399.3	440.5	392.9	369.6	376.4	370.6
69°	338.2	350.3	355.8	345.4	341.3	371.3	409.6	365.6	336.9	350.1	348.4
70°	310.1	322.8	328.8	317.6	311.7	343.5	386.0	337.8	304.5	322.9	372.3
71°	282.0	296.5	335.5	289.8	282.2	314.8	423.2	309.2	276.2	294.8	387.0
72°	253.9	270.3	342.8	262.0	252.7	286.1	387.2	280.8	250.3	266.4	357.7
73°	229.5	244.1	350.1	233.8	226.2	257.3	326.3	252.6	224.5	237.0	296.4
74°	206.5	216.8	290.4	207.6	201.3	230.1	274.3	225.5	200.0	209.0	252.6
75°	183.5	189.3	232.6	181.5	177.4	203.7	236.2	201.0	177.1	183.7	220.3
76°	161.8	164.8	192.5	157.5	155.1	177.4	207.7	178.7	154.6	158.8	191.1
77°	140.0	141.1	162.4	135.3	134.0	151.2	183.1	154.6	133.6	134.3	164.9
78°	118.5	117.1	137.4	113.8	113.6	126.6	160.5	129.7	113.2	111.7	139.7
79°	97.6	94.4	114.7	93.0	94.5	104.1	137.4	107.1	94.2	92.8	117.9
80°	78.1	74.3	92.2	74.1	76.6	84.1	114.7	88.8	77.8	73.9	96.1
81°	60.8	56.7	70.1	57.4	60.2	66.2	93.6	70.6	61.3	55.1	77.5
82°	44.8	41.4	51.7	42.0	45.5	50.7	75.5	52.4	45.0	41.7	58.9
83°	35.7	33.1	35.3	32.8	34.8	38.8	57.4	40.5	35.5	32.6	40.3
84°	26.8	25.0	23.5	23.7	27.2	29.6	39.4	33.2	28.4	26.2	28.6
85°	17.9	17.0	11.7	14.7	19.7	20.5	24.5	24.6	20.3	18.4	17.0
86°	3.8	3.9	3.9	6.7	8.7	11.3	12.8	13.3	10.7	9.7	7.9
87°	1.0	1.0	1.0	1.5	2.6	3.7	5.1	4.3	3.4	3.9	3.3
88°	0.5	0.5	0.5	0.5	0.7	1.0	1.4	1.5	1.5	1.5	1.6
89°	0.2	0.2	0.2	0.2	0.3	0.3	0.5	0.5	0.6	0.6	0.7

REPORT NUMBER: P1440347

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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: P1440347

CATALOG NUMBER: XSF200-SFTR-4Hx4V-850-Position 1

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: P1440347
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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: P1440347

CATALOG NUMBER: XSF200-SFTR-4Hx4V-850-Position 1

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	67196.3	67196.3	67196.3	67196.3	67196.3	67196.3	67196.3	67196.3	67196.3	67196.3	67196.3
1°	66789.6	66838.2	66956.4	67057.3	67172.0	67265.9	67349.3	67450.2	67516.2	67540.6	67516.2
2°	65892.5	65986.4	66188.1	66622.7	66900.8	67179.0	67405.0	67599.7	67690.1	67683.1	67544.0
3°	64995.5	65134.6	65419.7	65878.6	66261.1	66862.6	67297.2	67568.4	67697.0	67617.0	67307.6
4°	64095.0	64282.8	64647.8	65131.1	65624.8	66313.2	67032.9	67408.4	67557.9	67366.7	66883.4
5°	62989.4	63208.4	63583.9	64164.6	64985.1	65763.9	66657.4	67144.2	67276.3	66897.3	66247.2
6°	61859.4	62161.9	62551.3	63149.3	64067.2	65207.6	65955.1	66688.7	66782.6	66323.7	65492.7
7°	60767.7	61150.2	61602.2	62200.2	63132.0	64282.8	65249.3	66007.3	66125.5	65558.8	64627.0
8°	59669.0	60180.1	60680.8	61275.3	62141.1	63323.2	64543.5	65165.9	65263.2	64661.8	63670.9
9°	58507.8	59130.1	59707.3	60340.1	61153.6	62224.5	63434.4	64108.9	64182.0	63577.0	62655.6
10°	57183.1	57941.1	58636.4	59366.6	60079.3	61000.7	62113.2	62794.7	62951.2	62342.7	61588.2
11°	55632.5	56498.2	57363.9	58260.9	58949.3	59623.8	60593.9	61223.2	61376.2	60931.1	60451.3
12°	53852.3	54798.0	55799.4	56929.3	57662.9	58083.6	58845.0	59394.4	59627.3	59380.5	59258.8
13°	51811.5	52795.4	53970.6	55371.7	56213.1	56380.0	56898.0	57357.0	57656.0	57617.7	57857.6
14°	49537.6	50573.7	51881.0	53570.7	54506.0	54526.8	54818.9	55131.8	55493.4	55691.6	56320.9
15°	47089.9	48341.6	49662.8	51481.2	52548.5	52492.9	52541.6	52677.2	53108.3	53640.3	54554.7
16°	44541.4	46043.4	47392.4	49137.8	50264.3	50163.4	50083.5	50010.5	50556.3	51390.8	52562.4
17°	41979.0	43790.4	45115.1	46651.9	47743.6	47688.0	47420.2	47138.6	47827.0	48957.0	50239.9
18°	39232.3	41412.3	42803.0	43985.1	44889.1	44920.4	44531.0	44040.8	44784.8	46245.1	47583.6
19°	36238.8	38794.3	40261.5	41203.7	41815.6	41944.3	41318.4	40776.1	41624.4	43338.5	44694.4
20°	33020.3	35786.8	37438.3	38144.1	38474.4	38693.4	38071.1	37379.2	38258.8	40136.3	41454.0
21°	29510.1	32462.0	34147.5	34813.3	34962.8	35296.6	34566.8	33956.6	34858.5	36749.9	38064.1
22°	25897.0	28783.1	30566.0	31163.4	31318.8	31759.6	31133.5	30515.3	31431.8	33275.2	34525.4
23°	22257.5	24985.8	26729.7	27341.7	27564.5	28132.6	27576.7	27073.6	28004.0	29720.1	30837.9
24°	18754.3	21137.6	22842.7	23498.7	23826.6	24557.8	24102.7	23632.2	24575.8	26163.4	27149.0
25°	15427.7	17405.6	18997.0	19772.3	20231.6	20989.5	20671.4	20221.1	21199.9	22606.6	23460.1
26°	12449.8	13985.8	15426.6	16300.3	16861.8	17564.2	17265.5	16923.0	17873.9	19226.1	19944.4
27°	9930.5	11035.7	12282.5	13264.0	13791.1	14342.5	14108.9	13793.6	14678.4	15922.8	16628.5
28°	8299.8	9169.7	9625.6	10544.8	11095.2	11433.8	11235.0	11027.4	11774.6	12878.5	13562.0
29°	6669.2	7303.7	8024.5	8824.8	8837.0	9021.3	8862.4	8720.5	9296.6	10213.5	10868.2
30°	5051.8	5443.6	6423.1	7104.5	7261.0	7341.6	7242.5	6911.6	7296.1	7992.1	8545.7
31°	4137.8	4420.8	4847.4	5404.0	5687.0	5671.0	5623.7	5544.5	5798.6	6282.6	6746.4
32°	3450.9	3652.7	3968.1	4410.3	4618.2	4580.0	4546.3	4520.2	4682.9	4999.0	5350.8
33°	2945.9	3084.0	3330.0	3678.8	3825.2	3757.4	3751.1	3763.3	3864.1	4058.1	4317.9
34°	2567.2	2659.0	2842.5	3136.1	3219.9	3155.3	3164.5	3182.3	3256.0	3371.2	3553.0
35°	2270.7	2331.0	2479.0	2727.9	2767.2	2700.8	2724.0	2818.7	2898.1	2980.3	3126.8
36°	2046.8	2080.9	2202.7	2425.9	2421.2	2361.2	2391.1	2458.0	2543.7	2593.6	2704.3
37°	1864.3	1885.9	1983.2	2191.7	2157.8	2102.9	2137.4	2213.0	2189.3	2206.8	2281.9
38°	1718.8	1729.1	1811.8	2013.4	1952.3	1897.8	1933.4	2026.9	1985.4	1986.2	2044.4
39°	1599.8	1603.1	1675.5	1872.8	1789.4	1739.8	1771.1	1873.4	1819.1	1807.2	1858.8
40°	1502.9	1497.5	1564.6	1759.2	1657.7	1606.0	1637.6	1748.1	1682.6	1660.9	1708.0
41°	1421.9	1409.0	1472.1	1665.0	1549.6	1497.6	1527.7	1644.3	1570.8	1538.4	1587.4
42°	1353.0	1332.3	1395.6	1583.3	1462.4	1404.2	1433.7	1558.8	1473.7	1434.4	1486.1
43°	1294.1	1267.1	1330.1	1511.6	1388.4	1326.0	1353.7	1486.9	1391.2	1346.8	1402.0
44°	1241.8	1208.9	1273.4	1448.7	1323.9	1257.0	1285.1	1423.8	1320.5	1270.6	1330.3

REPORT NUMBER: P1440347

CATALOG NUMBER: XSF200-SFTR-4Hx4V-850-Position 1

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	1194.1	1157.5	1224.5	1392.6	1267.3	1195.1	1224.3	1369.9	1259.4	1205.4	1268.6
46°	1148.4	1109.6	1179.9	1340.1	1217.6	1139.7	1171.7	1320.6	1204.2	1145.2	1213.5
47°	1101.4	1063.7	1135.2	1289.1	1171.5	1089.5	1123.8	1275.0	1155.1	1091.8	1164.7
48°	1053.8	1021.5	1090.3	1234.3	1127.2	1043.3	1082.3	1232.5	1110.9	1044.6	1120.3
49°	1007.1	980.9	1045.3	1173.9	1081.5	1001.4	1045.0	1189.7	1071.6	1003.0	1079.8
50°	960.3	941.4	1000.3	1113.5	1034.1	961.2	1005.6	1143.5	1034.9	962.8	1041.4
51°	914.4	904.1	956.4	1051.5	986.7	921.5	966.5	1091.3	994.0	924.9	1001.5
52°	869.2	865.8	912.6	992.0	939.6	882.8	924.9	1038.4	951.2	887.2	960.0
53°	825.4	830.0	867.3	934.4	892.1	846.0	884.9	982.6	909.0	851.1	918.0
54°	784.9	795.9	824.0	877.5	844.4	809.1	844.6	926.7	866.7	815.9	873.7
55°	745.8	761.2	782.2	822.5	797.5	773.2	805.5	870.7	822.4	779.8	828.6
56°	706.8	726.4	740.4	775.9	755.5	737.3	766.3	818.4	780.2	744.1	781.6
57°	672.5	691.7	698.6	729.2	713.6	701.4	727.1	769.0	738.1	709.3	737.2
58°	638.5	660.0	659.4	682.6	671.8	667.6	688.0	726.5	699.9	674.9	695.3
59°	604.4	628.5	619.3	643.2	634.8	634.9	651.9	687.7	663.0	641.5	654.8
60°	572.0	597.7	580.8	604.5	597.5	602.8	616.1	652.4	627.1	609.1	614.5
61°	543.1	567.6	547.2	567.9	563.1	572.4	582.7	617.4	592.1	577.5	575.0
62°	517.9	538.0	518.9	537.5	531.4	542.9	552.0	585.2	559.7	547.0	538.3
63°	494.0	509.0	494.2	511.4	503.2	514.4	525.8	558.7	531.0	517.2	506.2
64°	470.6	480.7	470.8	491.5	477.1	486.3	501.9	540.3	505.4	489.1	478.9
65°	447.4	451.1	447.7	471.5	453.0	459.4	479.1	527.7	480.5	462.3	454.3
66°	422.8	422.9	424.4	449.2	429.0	432.1	456.1	512.9	456.9	435.3	430.4
67°	398.2	395.6	401.1	422.1	405.3	404.8	431.4	493.3	432.3	408.7	406.9
68°	372.4	366.5	376.0	390.0	382.1	377.1	407.0	470.1	409.0	381.4	383.7
69°	346.3	335.1	349.7	359.7	357.7	347.9	382.2	443.1	384.6	353.5	359.4
70°	319.6	305.1	323.5	343.6	331.4	317.5	356.2	413.6	359.0	322.2	334.0
71°	292.7	278.4	297.1	349.2	304.7	288.8	329.1	383.4	333.4	295.1	306.7
72°	265.1	253.7	270.2	365.2	277.2	262.7	301.0	380.7	305.2	268.1	279.4
73°	237.8	230.5	243.5	324.3	249.3	237.0	272.1	368.5	277.0	241.6	252.1
74°	211.0	207.3	216.1	264.2	221.4	211.9	243.9	313.6	248.9	216.4	224.8
75°	185.8	184.3	189.9	223.1	195.0	188.2	217.4	267.3	220.1	191.9	197.6
76°	161.6	162.1	165.9	190.4	169.3	165.7	191.1	221.0	194.3	168.9	172.1
77°	138.5	140.8	142.6	164.3	144.6	144.0	168.2	189.8	171.1	146.8	148.5
78°	116.6	120.1	119.7	140.7	120.8	123.4	144.7	163.6	145.4	125.7	125.7
79°	96.3	101.0	98.6	119.1	99.1	103.9	121.2	139.4	120.1	105.6	103.4
80°	79.8	84.3	81.8	98.3	81.6	86.5	99.0	117.0	97.6	86.8	83.7
81°	63.4	67.6	64.9	79.9	64.2	69.2	81.6	95.8	77.3	69.3	66.1
82°	47.0	51.1	48.3	61.4	46.7	51.9	64.3	76.3	59.8	53.3	49.6
83°	40.7	44.1	40.9	43.2	36.7	40.0	47.1	59.0	44.9	39.8	35.1
84°	39.1	43.2	40.0	32.3	33.8	35.0	39.1	42.8	37.6	31.6	27.4
85°	31.1	34.2	32.5	20.2	27.8	29.3	32.7	30.8	27.5	23.5	19.7
86°	16.1	17.5	18.7	10.1	17.1	19.4	21.3	18.8	17.5	15.5	11.5
87°	4.6	4.6	5.6	4.3	6.9	6.1	7.6	6.9	7.4	5.6	3.4
88°	1.8	2.0	2.0	1.9	2.1	2.3	3.2	2.4	2.2	1.4	0.8
89°	0.6	0.7	0.7	0.8	0.9	0.9	0.8	0.6	0.5	0.4	0.3

REPORT NUMBER: P1440347

CATALOG NUMBER: XSF200-SFTR-4Hx4V-850-Position 1

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: P1440347

CATALOG NUMBER: XSF200-SFTR-4Hx4V-850-Position 1

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: P1440347
CATALOG NUMBER: XSF200-SFTR-4Hx4V-850-Position 1

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: P1440347

CATALOG NUMBER: XSF200-SFTR-4Hx4V-850-Position 1

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	67196.3	67196.3	67196.3
1°	67436.2	67335.4	67220.7
2°	67349.3	67123.3	66900.8
3°	66973.8	66601.8	66261.1
4°	66334.1	65809.1	65402.3
5°	65541.4	64908.6	64411.4
6°	64606.1	63869.0	63357.9
7°	63643.0	62878.1	62346.2
8°	62707.8	61939.4	61393.5
9°	61741.2	61042.4	60433.9
10°	60823.4	60134.9	59498.7
11°	59870.7	59151.0	58403.5
12°	58834.6	57968.9	57012.8
13°	57569.1	56522.5	55413.4
14°	56056.6	54815.4	53570.7
15°	54314.8	52934.5	51575.0
16°	52305.2	50907.5	49436.8
17°	50087.0	48731.0	47242.9
18°	47667.1	46485.0	45090.8
19°	45052.5	44214.6	42764.8
20°	42114.6	41777.4	40285.8
21°	39072.4	39093.3	37511.3
22°	35724.2	36051.1	34353.0
23°	32254.4	32671.6	30816.7
24°	28513.7	28926.7	27274.2
25°	24771.2	25180.1	23731.7
26°	21029.2	21433.2	20147.4
27°	17478.3	17707.8	16522.5
28°	14166.6	14139.5	13191.7
29°	11278.1	11102.2	10458.6
30°	8826.2	8631.5	8193.8
31°	6923.0	6727.3	6460.6
32°	5484.0	5325.4	5132.5
33°	4410.3	4295.6	4188.9
34°	3640.9	3547.7	3475.8
35°	3218.6	3127.2	3066.2
36°	2802.1	2711.1	2661.6
37°	2385.5	2295.0	2257.0
38°	2155.8	2060.9	2023.8
39°	1985.5	1875.0	1839.3
40°	1846.1	1723.6	1688.5
41°	1738.5	1602.1	1565.9
42°	1647.6	1499.3	1460.0
43°	1570.8	1412.1	1370.7
44°	1501.4	1336.2	1292.0

REPORT NUMBER: P1440347

CATALOG NUMBER: XSF200-SFTR-4Hx4V-850-Position 1

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	1438.1	1269.3	1223.1
46°	1378.3	1209.2	1160.4
47°	1323.6	1155.2	1105.9
48°	1272.1	1108.8	1055.5
49°	1221.7	1064.8	1006.6
50°	1170.9	1022.7	960.3
51°	1117.9	981.4	917.9
52°	1058.8	938.7	878.0
53°	998.3	897.5	841.6
54°	935.9	855.8	805.5
55°	875.7	813.6	770.3
56°	815.3	771.2	735.4
57°	761.0	728.0	702.0
58°	710.8	685.1	666.9
59°	665.5	642.0	634.3
60°	626.7	601.6	600.6
61°	589.0	563.6	569.3
62°	552.5	528.5	539.1
63°	520.0	498.0	508.9
64°	493.5	472.2	479.9
65°	470.2	448.0	451.3
66°	451.7	425.3	422.9
67°	431.4	402.2	395.3
68°	402.3	377.8	367.6
69°	369.7	353.4	338.2
70°	340.1	327.2	310.1
71°	338.0	300.8	282.0
72°	336.4	274.4	253.9
73°	334.8	248.0	229.5
74°	304.4	222.3	206.5
75°	248.7	197.1	183.5
76°	204.6	170.4	161.8
77°	172.3	146.3	140.0
78°	145.5	123.4	118.5
79°	121.6	100.2	97.6
80°	98.5	79.3	78.1
81°	76.1	60.6	60.8
82°	56.6	44.4	44.8
83°	40.0	36.3	35.7
84°	28.6	28.1	26.8
85°	17.4	20.0	17.9
86°	6.1	5.7	3.8
87°	1.3	1.1	1.0
88°	0.6	0.6	0.5
89°	0.2	0.2	0.2

REPORT NUMBER: P1440347

CATALOG NUMBER: XSF200-SFTR-4Hx4V-850-Position 1

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: P1440347

CATALOG NUMBER: XSF200-SFTR-4Hx4V-850-Position 1

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: P1440347

CATALOG NUMBER: XSF200-SFTR-4Hx4V-850-Position 1

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)