

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: P1440339

Luminaire Tested: XSF200-SFTR-4Hx4V-830-Position 1

Issue Date: 04/15/2026

Test Information

Test Method: LM-79-2024
Report Number: P1440339
Test Lab: THIRD PARTY NVLAP
Issue Date: 7/15/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XSF200-SFTR-4Hx4V-830-Position 1
Description: LUMARK ALL SELECTABLE LUMINAIRE 200W w/ NEMA 4 FLOOD DISTRIBUTION 3000K CCT
80 CRI LIGHT ENGINE AT Position 1
Light Source: (1) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30197.4 lumens
Efficiency: N/A
Efficacy: 150.2 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

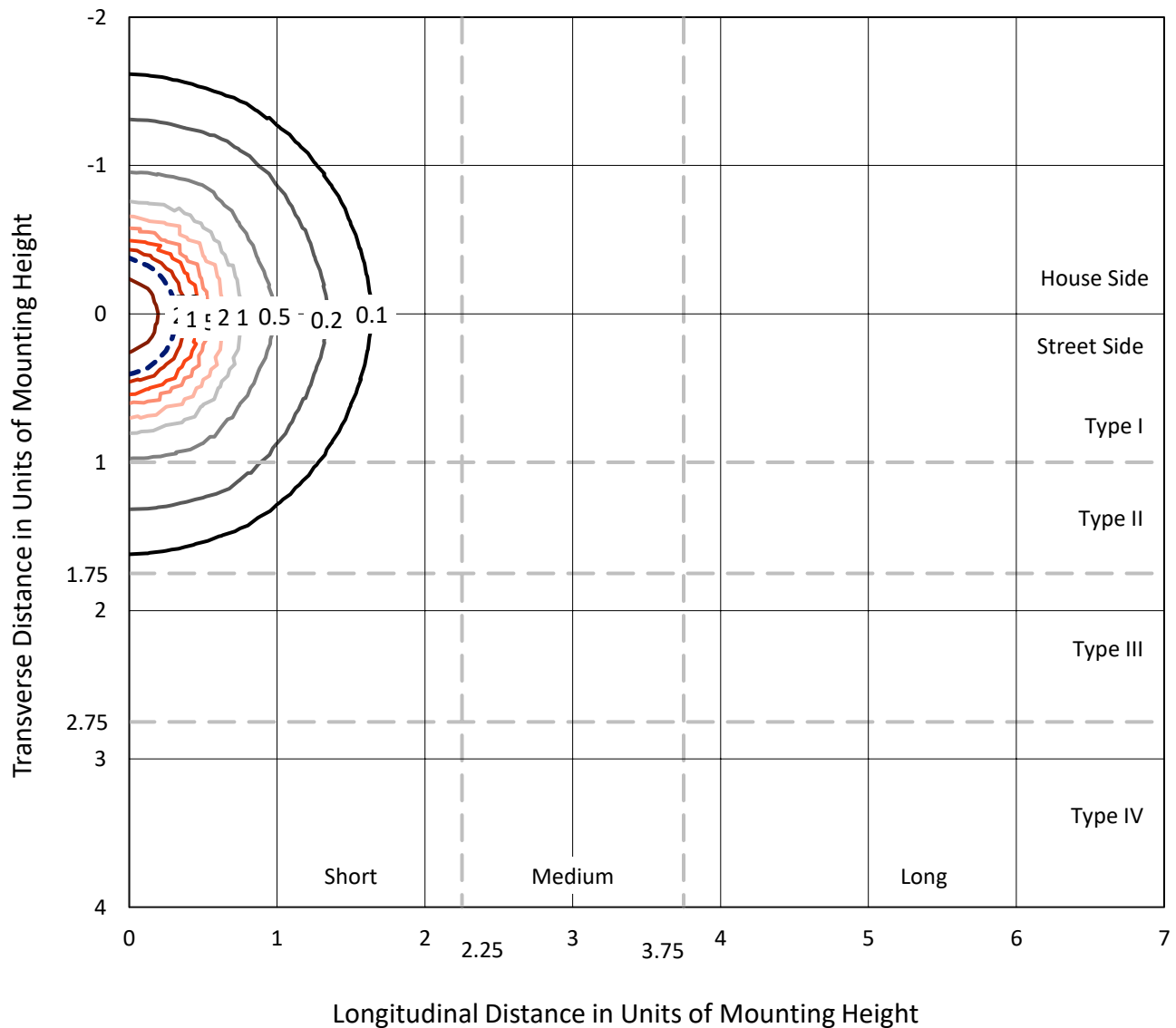
Input Watts (W): 201
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd



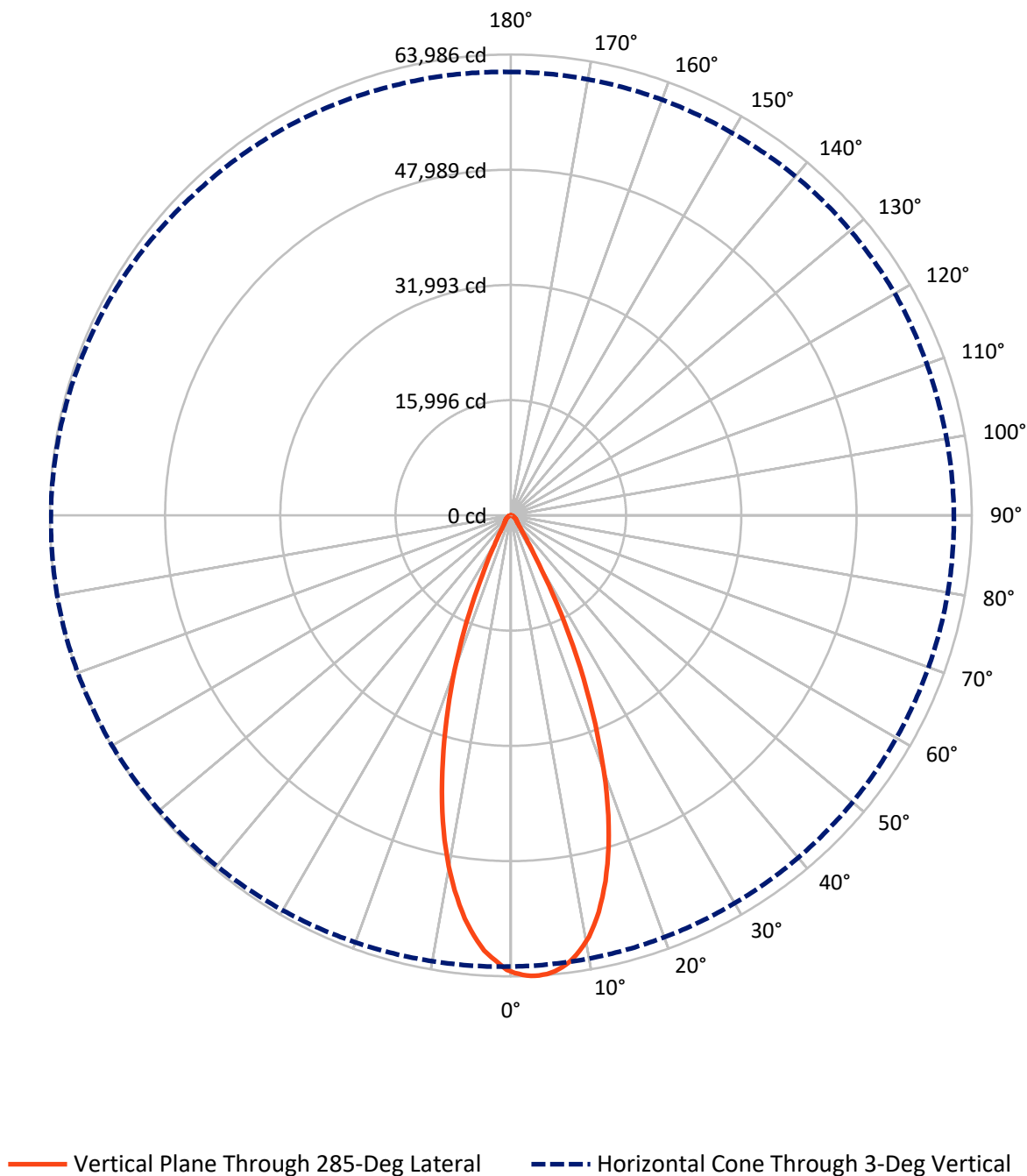
Based on 30 foot mounting height. Maximum calculated value = 70.6 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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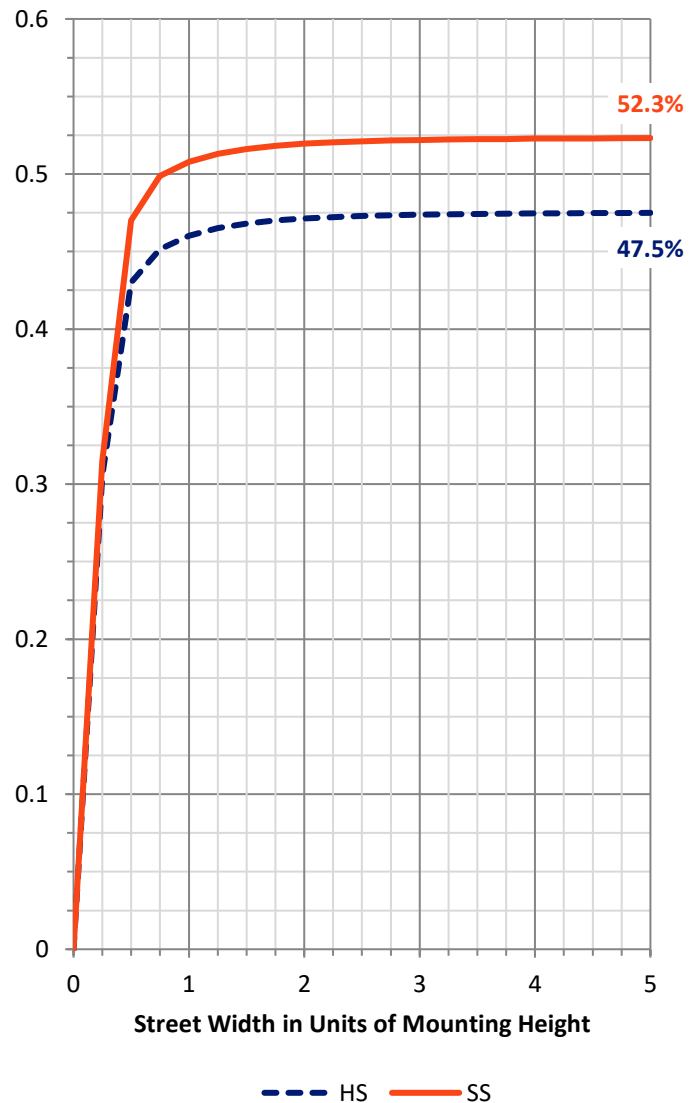
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14542.4	0.0	14542.4
	% Fixture	48.2	0.0	48.2
Street Side	Lumens	15654.9	0.0	15654.9
	% Fixture	51.8	0.0	51.8
Total	Lumens	30197.4	0.0	30197.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5623.7	18.6
10°-20°	12504.7	41.4
20°-30°	8008.4	26.5
30°-40°	1784.4	5.9
40°-50°	928.9	3.1
50°-60°	675.5	2.2
60°-70°	435.0	1.4
70°-80°	208.1	0.7
80°-90°	28.7	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°	30197.4	100.0
0°-180°	30197.4	100.0

Coefficient of Utilization



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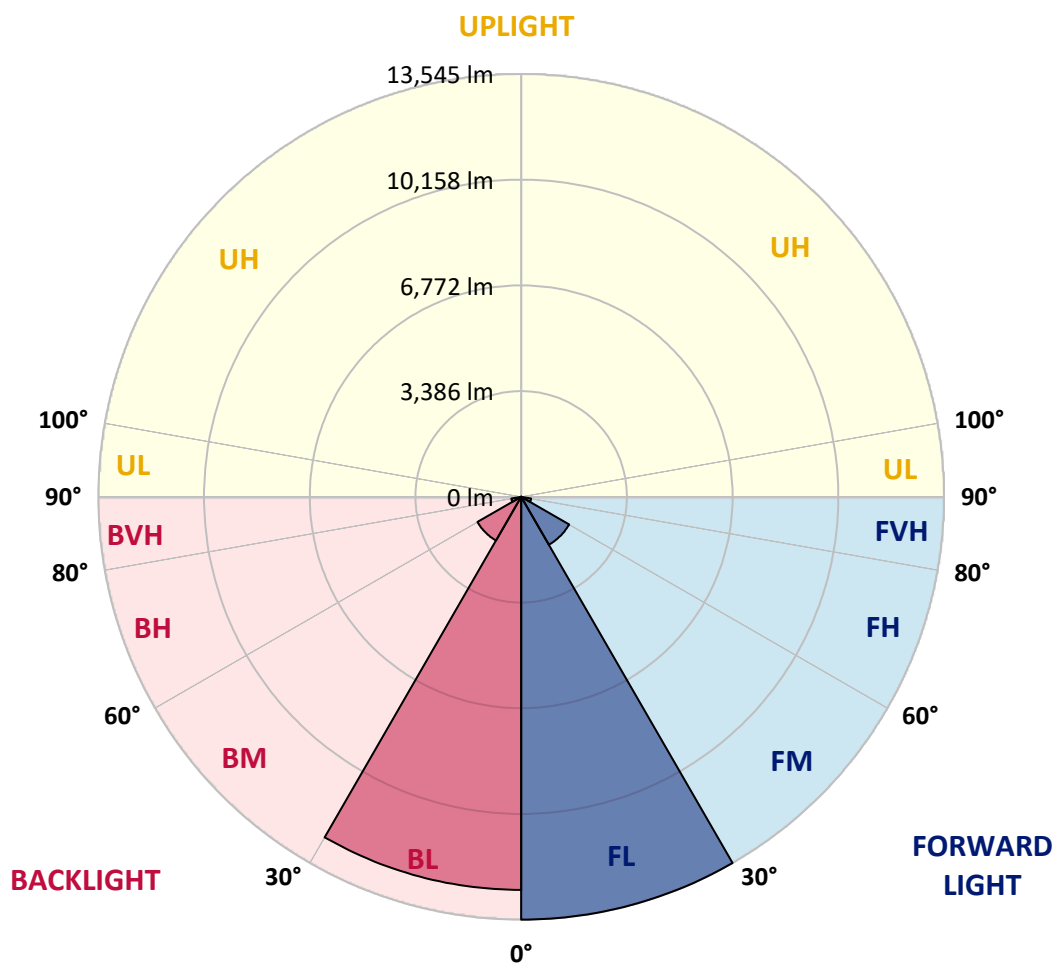
CATALOG NUMBER: XSF200-SFTR-4Hx4V-830-Position 1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	13544.6	44.9			
FM	(30°-60°)	1773.9	5.9			
FH	(60°-80°)	322.9	1.1			G0/660
FVH	(80°-90°)	13.5	0.0			G1/100
BL	(0°-30°)	12592.2	41.7	B5		
BM	(30°-60°)	1614.9	5.3	B2/2500		
BH	(60°-80°)	320.3	1.1	B1/500		G1/500
BVH	(80°-90°)	15.1	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°	63512.6	63512.6	63512.6	63512.6	63512.6	63512.6	63512.6	63512.6	63512.6	63512.6	63512.6
1°	63535.6	63460.0	63338.4	63233.3	63141.3	63046.0	63095.3	63075.5	63046.0	63039.4	63039.4
2°	63233.3	63052.5	62845.5	62720.6	62566.2	62467.6	62303.3	62234.3	62316.4	62283.6	62188.3
3°	62628.6	62392.0	62152.1	61991.1	61803.8	61655.9	61508.0	61393.0	61577.0	61521.2	61337.1
4°	61816.9	61554.0	61274.7	61054.5	60863.9	60663.5	60709.5	60538.6	60449.9	60443.3	60482.7
5°	60880.4	60558.3	60256.0	59993.1	59713.8	59437.7	59487.0	59280.0	59214.2	59243.8	59342.4
6°	59884.6	59536.3	59181.4	58787.0	58412.4	58070.6	58047.6	57863.6	57853.8	57949.1	58205.4
7°	58928.3	58527.4	58034.5	57485.7	56979.6	56562.3	56476.8	56325.7	56302.7	56582.0	57022.3
8°	58027.9	57554.7	56884.3	56115.4	55422.0	54833.7	54728.6	54534.7	54630.0	55099.9	55773.6
9°	57120.9	56585.3	55698.0	54659.6	53700.0	52977.0	52770.0	52641.8	52835.7	53479.8	54449.2
10°	56236.9	55504.1	54449.2	53124.9	51892.6	51008.6	50676.7	50587.9	50939.6	51800.6	52986.9
11°	55201.8	54324.4	53055.9	51498.2	50019.4	48846.3	48455.2	48412.5	48892.3	49930.7	51353.6
12°	53887.3	52957.3	51573.8	49759.8	48060.8	46631.3	46036.5	46026.7	46706.9	47919.5	49506.8
13°	52375.6	51340.5	49815.7	47857.1	45934.7	44265.3	43525.9	43522.6	44363.9	45760.5	47479.2
14°	50634.0	49506.8	47801.2	45776.9	43716.5	41771.0	40837.8	40903.5	41876.2	43420.7	45218.3
15°	48747.7	47472.6	45576.5	43535.7	41251.8	39142.1	38090.5	38149.6	39253.8	40890.3	42737.2
16°	46726.6	45264.3	43144.7	41113.8	38639.3	36391.5	35251.2	35343.2	36486.8	38244.9	40062.2
17°	44653.0	42970.5	40676.7	38494.7	35951.2	33578.5	32442.1	32516.7	33654.1	35451.7	37324.8
18°	42618.9	40611.0	38090.5	35803.3	33177.6	30856.5	29660.4	29695.2	30774.7	32557.8	34485.5
19°	40420.4	38172.6	35415.5	32977.1	30292.6	28099.7	26901.9	26889.4	27868.1	29509.5	31499.3
20°	38077.3	35596.2	32662.0	29958.4	27526.6	25342.0	24196.7	24152.0	25044.5	26445.8	28409.0
21°	35454.9	32766.8	29689.9	27123.7	24761.3	22584.2	21472.1	21406.4	22195.1	23361.0	25124.4
22°	32469.7	30331.4	26711.6	24293.3	21935.1	19834.3	18779.7	18708.1	19378.8	20303.9	21873.0
23°	29127.3	26888.8	23733.4	21369.2	19158.3	17139.2	16137.6	16051.8	16643.3	17361.4	18708.7
24°	25779.0	23419.8	20718.6	18527.3	16451.4	14546.7	13602.0	13492.5	13989.7	14565.5	15732.4
25°	22430.7	20154.0	17779.1	15764.6	13869.1	12179.7	11335.8	11177.4	11547.1	12021.3	13013.1
26°	19042.9	17035.4	14977.2	13182.6	11504.0	10077.8	9370.6	9157.0	9404.2	9784.7	10571.1
27°	15616.7	14043.3	12382.8	10878.7	9468.9	8295.4	8013.4	7811.0	7984.5	8284.5	8549.7
28°	12468.5	11305.6	10059.1	8875.1	7722.9	6804.8	6656.6	6464.6	6565.2	6784.1	7234.9
29°	9885.3	9032.8	8166.2	7232.6	6340.7	5613.5	5301.6	5123.2	5159.4	5299.0	5920.1
30°	7744.6	7183.3	6587.9	5895.8	5217.2	4639.5	4421.9	4258.9	4269.4	4373.9	4612.2
31°	6106.4	5752.8	5347.0	4845.2	4325.0	3877.4	3722.6	3583.3	3587.6	3676.9	3835.3
32°	4851.1	4629.9	4397.9	4027.3	3632.6	3296.7	3181.6	3050.4	3062.2	3142.3	3247.2
33°	3959.2	3811.3	3661.8	3392.7	3085.0	2929.4	2762.4	2643.1	2654.1	2722.4	2802.6
34°	3285.3	3193.1	3110.1	3009.0	2744.9	2566.2	2444.4	2325.1	2329.6	2401.2	2466.1
35°	2898.1	2833.6	2785.6	2625.8	2407.7	2203.1	2192.3	2076.3	2075.2	2145.0	2209.4
36°	2515.7	2478.4	2462.3	2242.7	2070.5	1986.0	1995.3	1880.3	1875.5	1945.6	2013.4
37°	2133.2	2123.2	2139.1	2007.9	1865.5	1812.3	1836.7	1722.2	1710.5	1781.0	1856.9
38°	1912.9	1911.5	1947.5	1823.0	1701.4	1669.8	1704.7	1591.2	1578.8	1649.0	1732.9
39°	1738.4	1740.8	1796.5	1669.7	1566.9	1550.9	1598.4	1485.2	1469.2	1540.7	1633.7
40°	1595.9	1602.6	1674.1	1541.9	1457.0	1453.2	1509.4	1396.5	1378.8	1452.2	1550.8
41°	1480.1	1489.2	1572.8	1441.4	1365.5	1371.1	1434.9	1322.1	1302.7	1378.1	1481.9
42°	1380.0	1395.1	1487.2	1357.1	1288.8	1302.3	1372.8	1257.9	1237.2	1315.7	1420.4
43°	1295.6	1315.3	1413.5	1285.5	1220.4	1241.4	1318.7	1203.4	1181.7	1262.6	1366.5
44°	1221.2	1246.9	1347.1	1223.0	1159.8	1187.1	1270.3	1155.7	1130.4	1216.6	1319.2

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CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	1156.0	1185.3	1288.9	1168.1	1105.9	1138.1	1226.3	1112.2	1084.3	1172.9	1271.6
46°	1096.7	1130.0	1235.6	1120.5	1058.2	1093.8	1183.8	1069.9	1042.0	1130.0	1221.1
47°	1045.2	1079.9	1186.9	1078.8	1014.5	1052.4	1137.3	1028.7	1001.6	1085.5	1165.1
48°	997.6	1033.2	1141.2	1038.9	974.0	1009.7	1090.1	988.6	963.7	1041.5	1108.8
49°	951.4	986.2	1092.7	999.5	935.0	969.0	1043.9	949.4	927.2	996.6	1051.3
50°	907.6	940.3	1041.4	960.0	897.9	928.5	995.7	910.3	890.9	952.2	994.8
51°	867.6	894.3	987.0	918.3	861.6	887.0	946.5	871.3	856.6	909.0	940.3
52°	829.9	849.7	932.4	877.1	826.0	844.7	898.4	833.8	821.8	865.5	887.3
53°	795.4	807.8	879.3	835.4	791.0	804.3	853.0	796.2	787.1	823.1	836.3
54°	761.3	765.7	827.2	794.5	756.4	764.9	807.7	761.2	753.3	781.3	787.7
55°	728.0	725.8	776.9	754.2	723.2	727.6	766.0	727.0	720.6	741.6	745.8
56°	695.1	687.4	728.7	714.1	690.8	693.6	730.4	692.8	687.9	702.1	705.0
57°	663.6	651.7	683.8	675.1	659.5	661.4	694.9	658.6	655.3	662.7	664.4
58°	630.3	616.8	644.7	637.0	628.8	630.3	659.4	626.8	625.5	624.3	628.1
59°	599.5	584.6	608.3	599.6	599.6	600.9	627.8	596.5	596.2	588.2	593.3
60°	567.7	552.9	572.6	562.7	569.1	572.8	596.8	567.3	566.8	554.1	560.1
61°	538.1	523.1	538.3	528.4	539.7	546.3	567.8	540.3	537.4	523.8	528.6
62°	509.5	495.1	507.4	498.3	512.6	520.2	544.4	515.4	509.9	497.4	503.4
63°	481.0	469.0	479.9	471.2	485.3	496.1	527.6	491.7	483.6	472.5	481.6
64°	453.6	445.5	457.7	446.6	459.1	472.0	510.8	468.3	457.6	448.4	461.7
65°	426.6	422.1	438.7	422.9	433.0	448.3	490.2	444.0	431.6	424.6	439.3
66°	399.7	399.8	419.7	399.1	406.6	425.1	468.1	419.9	404.9	401.5	412.7
67°	373.6	377.7	395.4	375.2	380.0	402.5	443.4	396.4	377.7	379.1	382.1
68°	347.4	354.3	365.6	351.7	352.1	377.5	416.4	371.3	349.3	355.8	350.2
69°	319.7	331.1	336.3	326.4	322.6	350.9	387.1	345.6	318.5	330.9	329.3
70°	293.1	305.1	310.7	300.2	294.6	324.7	364.9	319.3	287.8	305.2	351.9
71°	266.5	280.3	317.1	273.9	266.7	297.6	400.0	292.3	261.1	278.7	365.8
72°	240.0	255.4	324.0	247.7	238.8	270.4	366.0	265.4	236.6	251.8	338.1
73°	216.9	230.7	330.9	221.0	213.8	243.2	308.5	238.8	212.2	224.0	280.1
74°	195.2	204.9	274.5	196.3	190.3	217.5	259.2	213.2	189.0	197.6	238.7
75°	173.4	178.9	219.8	171.5	167.7	192.5	223.2	189.9	167.4	173.6	208.3
76°	152.9	155.8	181.9	148.9	146.6	167.7	196.3	168.9	146.1	150.1	180.6
77°	132.3	133.4	153.5	127.8	126.6	142.9	173.1	146.1	126.3	127.0	155.8
78°	112.0	110.7	129.9	107.5	107.4	119.7	151.7	122.6	107.0	105.5	132.1
79°	92.3	89.3	108.4	87.9	89.4	98.4	129.9	101.2	89.0	87.7	111.4
80°	73.8	70.3	87.2	70.1	72.4	79.5	108.4	84.0	73.5	69.9	90.8
81°	57.5	53.6	66.2	54.2	56.9	62.6	88.5	66.7	58.0	52.1	73.2
82°	42.3	39.1	48.8	39.7	43.0	47.9	71.4	49.5	42.5	39.4	55.6
83°	33.7	31.3	33.4	31.0	32.9	36.7	54.3	38.3	33.6	30.8	38.1
84°	25.3	23.7	22.2	22.4	25.7	28.0	37.2	31.3	26.9	24.8	27.1
85°	16.9	16.0	11.1	13.9	18.6	19.3	23.1	23.3	19.2	17.3	16.0
86°	3.6	3.7	3.7	6.3	8.3	10.7	12.1	12.6	10.1	9.1	7.5
87°	0.9	0.9	0.9	1.4	2.4	3.5	4.8	4.1	3.3	3.6	3.2
88°	0.5	0.5	0.5	0.5	0.6	1.0	1.4	1.4	1.4	1.5	1.5
89°	0.2	0.2	0.2	0.2	0.2	0.3	0.5	0.5	0.5	0.6	0.6

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CATALOG NUMBER: XSF200-SFTR-4Hx4V-830-Position 1

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: P1440339

CATALOG NUMBER: XSF200-SFTR-4Hx4V-830-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: P1440339
CATALOG NUMBER: XSF200-SFTR-4Hx4V-830-Position 1

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: P1440339

CATALOG NUMBER: XSF200-SFTR-4Hx4V-830-Position 1

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	63512.6	63512.6	63512.6	63512.6	63512.6	63512.6	63512.6	63512.6	63512.6	63512.6	63512.6
1°	63128.1	63174.1	63285.9	63381.2	63489.6	63578.3	63657.2	63752.5	63814.9	63837.9	63814.9
2°	62280.3	62369.0	62559.6	62970.4	63233.3	63496.2	63709.8	63893.8	63979.3	63972.7	63841.2
3°	61432.4	61563.9	61833.4	62267.1	62628.6	63197.1	63607.9	63864.2	63985.8	63910.2	63617.8
4°	60581.3	60758.8	61103.8	61560.6	62027.2	62677.9	63358.2	63713.1	63854.4	63673.6	63216.9
5°	59536.3	59743.3	60098.2	60647.0	61422.6	62158.7	63003.3	63463.3	63588.2	63230.0	62615.5
6°	58468.3	58754.2	59122.2	59687.5	60555.0	61632.9	62339.4	63032.8	63121.6	62687.8	61902.4
7°	57436.4	57797.9	58225.1	58790.3	59671.0	60758.8	61672.3	62388.7	62500.5	61964.8	61084.1
8°	56398.0	56881.0	57354.3	57916.2	58734.5	59851.8	61005.2	61593.5	61685.5	61117.0	60180.4
9°	55300.4	55888.6	56434.1	57032.2	57801.2	58813.3	59956.9	60594.5	60663.5	60091.7	59220.8
10°	54048.3	54764.7	55422.0	56112.1	56785.7	57656.6	58708.2	59352.3	59500.2	58925.1	58212.0
11°	52582.7	53400.9	54219.2	55067.1	55717.7	56355.2	57272.1	57866.9	58011.5	57590.9	57137.4
12°	50900.1	51794.0	52740.4	53808.4	54501.8	54899.5	55619.1	56138.4	56358.5	56125.2	56010.2
13°	48971.1	49901.1	51011.9	52336.2	53131.5	53289.2	53778.9	54212.6	54495.2	54459.1	54685.9
14°	46821.9	47801.2	49036.9	50634.0	51517.9	51537.7	51813.7	52109.5	52451.2	52638.5	53233.3
15°	44508.5	45691.5	46940.2	48658.9	49667.8	49615.2	49661.2	49789.4	50196.9	50699.7	51563.9
16°	42099.7	43519.3	44794.4	46444.0	47508.8	47413.5	47337.9	47268.9	47784.8	48573.5	49680.9
17°	39677.7	41389.8	42641.9	44094.4	45126.3	45073.7	44820.6	44554.5	45205.1	46273.1	47485.8
18°	37081.6	39142.1	40456.6	41573.9	42428.3	42457.9	42089.8	41626.4	42329.7	43709.9	44975.1
19°	34252.2	36667.6	38054.3	38944.9	39523.3	39644.9	39053.3	38540.7	39342.5	40962.6	42244.3
20°	31210.1	33825.0	35385.9	36053.0	36365.2	36572.3	35984.0	35330.1	36161.5	37936.0	39181.5
21°	27892.4	30682.4	32275.5	32904.8	33046.1	33361.6	32671.8	32095.1	32947.6	34735.3	35977.4
22°	24477.3	27205.2	28890.4	29455.0	29601.9	30018.6	29426.7	28842.4	29708.7	31451.0	32632.7
23°	21037.3	23616.0	25264.4	25842.8	26053.4	26590.4	26064.9	25589.4	26468.8	28090.9	29147.4
24°	17726.2	19978.9	21590.4	22210.5	22520.4	23211.5	22781.3	22336.7	23228.6	24729.1	25660.7
25°	14581.9	16451.4	17955.5	18688.4	19122.5	19838.9	19538.2	19112.6	20037.7	21367.3	22174.0
26°	11767.3	13219.1	14580.9	15406.7	15937.5	16601.3	16319.0	15995.3	16894.1	18172.1	18851.0
27°	9386.1	10430.8	11609.2	12536.9	13035.1	13556.3	13335.4	13037.4	13873.7	15049.9	15717.0
28°	7844.8	8667.1	9097.9	9966.8	10487.0	10807.0	10619.1	10422.9	11129.1	12172.5	12818.5
29°	6303.6	6903.3	7584.6	8341.1	8352.6	8526.7	8376.6	8242.5	8787.0	9653.6	10272.4
30°	4774.9	5145.2	6070.9	6715.0	6862.9	6939.2	6845.5	6532.7	6896.1	7554.0	8077.2
31°	3910.9	4178.4	4581.6	5107.8	5375.3	5360.1	5315.4	5240.5	5480.7	5938.2	6376.6
32°	3261.8	3452.5	3750.6	4168.6	4365.1	4328.9	4297.1	4272.4	4426.2	4724.9	5057.5
33°	2784.4	2914.9	3147.5	3477.1	3615.5	3551.4	3545.5	3557.0	3652.3	3835.7	4081.1
34°	2426.5	2513.2	2686.7	2964.2	3043.4	2982.4	2991.0	3007.9	3077.5	3186.3	3358.2
35°	2146.3	2203.2	2343.1	2578.4	2615.5	2552.7	2574.7	2664.1	2739.3	2816.9	2955.4
36°	1934.6	1966.9	2082.0	2293.0	2288.5	2231.8	2260.0	2323.3	2404.3	2451.4	2556.1
37°	1762.1	1782.5	1874.5	2071.5	2039.5	1987.7	2020.3	2091.7	2069.3	2085.9	2156.8
38°	1624.6	1634.3	1712.4	1903.0	1845.3	1793.8	1827.4	1915.8	1876.6	1877.3	1932.4
39°	1512.1	1515.2	1583.7	1770.2	1691.3	1644.4	1674.0	1770.7	1719.4	1708.1	1756.9
40°	1420.5	1415.4	1478.8	1662.8	1566.8	1518.0	1547.8	1652.2	1590.4	1569.9	1614.4
41°	1343.9	1331.8	1391.4	1573.7	1464.7	1415.5	1444.0	1554.1	1484.6	1454.1	1500.4
42°	1278.8	1259.3	1319.1	1496.5	1382.2	1327.2	1355.1	1473.3	1392.9	1355.8	1404.6
43°	1223.1	1197.7	1257.2	1428.8	1312.3	1253.3	1279.5	1405.4	1314.9	1272.9	1325.1
44°	1173.7	1142.6	1203.6	1369.3	1251.3	1188.1	1214.6	1345.8	1248.1	1200.9	1257.4

REPORT NUMBER: P1440339

CATALOG NUMBER: XSF200-SFTR-4Hx4V-830-Position 1

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	1128.7	1094.0	1157.4	1316.2	1197.8	1129.6	1157.2	1294.8	1190.4	1139.4	1199.1
46°	1085.4	1048.7	1115.2	1266.7	1150.8	1077.3	1107.5	1248.2	1138.1	1082.4	1147.0
47°	1041.0	1005.4	1073.0	1218.5	1107.3	1029.7	1062.2	1205.1	1091.8	1032.0	1100.8
48°	996.1	965.5	1030.6	1166.6	1065.4	986.1	1022.9	1164.9	1050.0	987.3	1058.9
49°	951.9	927.2	988.0	1109.5	1022.2	946.5	987.7	1124.5	1012.9	948.0	1020.6
50°	907.7	889.8	945.4	1052.4	977.4	908.5	950.5	1080.8	978.1	910.1	984.3
51°	864.3	854.5	904.0	993.9	932.6	871.0	913.5	1031.4	939.5	874.2	946.6
52°	821.6	818.3	862.6	937.6	888.1	834.4	874.2	981.5	899.0	838.6	907.4
53°	780.1	784.5	819.7	883.1	843.2	799.7	836.4	928.7	859.1	804.5	867.7
54°	741.9	752.3	778.8	829.4	798.1	764.8	798.3	875.9	819.2	771.1	825.8
55°	704.9	719.5	739.3	777.4	753.8	730.8	761.3	823.0	777.3	737.0	783.2
56°	668.1	686.6	699.8	733.3	714.1	696.9	724.3	773.5	737.4	703.3	738.8
57°	635.7	653.8	660.3	689.2	674.5	663.0	687.2	726.8	697.6	670.4	696.8
58°	603.5	623.9	623.2	645.2	635.0	631.0	650.2	686.7	661.5	637.9	657.2
59°	571.2	594.0	585.3	608.0	600.0	600.1	616.1	650.0	626.6	606.3	618.9
60°	540.6	565.0	548.9	571.3	564.7	569.8	582.3	616.6	592.7	575.7	580.8
61°	513.4	536.4	517.2	536.8	532.3	541.0	550.7	583.6	559.6	545.8	543.5
62°	489.5	508.5	490.5	508.0	502.3	513.1	521.8	553.1	529.0	517.0	508.8
63°	466.9	481.1	467.1	483.3	475.6	486.2	496.9	528.1	501.9	488.8	478.4
64°	444.8	454.3	445.0	464.5	450.9	459.6	474.4	510.7	477.7	462.3	452.6
65°	422.9	426.4	423.1	445.6	428.2	434.2	452.9	498.8	454.2	437.0	429.4
66°	399.6	399.7	401.1	424.6	405.5	408.4	431.1	484.8	431.8	411.4	406.8
67°	376.4	373.9	379.1	398.9	383.0	382.6	407.8	466.2	408.6	386.3	384.6
68°	352.0	346.4	355.4	368.6	361.2	356.5	384.7	444.4	386.6	360.5	362.6
69°	327.3	316.7	330.5	340.0	338.1	328.8	361.3	418.8	363.5	334.1	339.7
70°	302.1	288.4	305.8	324.8	313.2	300.1	336.7	390.9	339.3	304.5	315.7
71°	276.7	263.2	280.8	330.1	288.0	273.0	311.0	362.4	315.1	279.0	289.9
72°	250.6	239.8	255.4	345.2	262.0	248.3	284.5	359.8	288.5	253.4	264.1
73°	224.8	217.8	230.1	306.5	235.6	224.0	257.2	348.3	261.9	228.4	238.3
74°	199.4	195.9	204.3	249.7	209.3	200.3	230.6	296.4	235.2	204.5	212.5
75°	175.6	174.2	179.5	210.9	184.3	177.9	205.4	252.7	208.0	181.4	186.8
76°	152.8	153.2	156.8	180.0	160.0	156.6	180.7	208.9	183.6	159.6	162.7
77°	130.9	133.1	134.8	155.3	136.6	136.1	159.0	179.4	161.7	138.8	140.4
78°	110.2	113.5	113.2	132.9	114.2	116.7	136.8	154.7	137.4	118.9	118.8
79°	91.0	95.5	93.2	112.5	93.6	98.2	114.6	131.8	113.5	99.9	97.7
80°	75.5	79.7	77.3	92.9	77.2	81.8	93.5	110.5	92.2	82.1	79.1
81°	59.9	63.9	61.3	75.5	60.7	65.4	77.1	90.5	73.0	65.5	62.5
82°	44.4	48.3	45.6	58.1	44.2	49.1	60.7	72.2	56.5	50.3	46.8
83°	38.5	41.7	38.7	40.8	34.7	37.9	44.5	55.8	42.4	37.6	33.1
84°	36.9	40.8	37.8	30.6	31.9	33.1	37.0	40.4	35.5	29.9	25.9
85°	29.4	32.3	30.7	19.1	26.2	27.7	30.9	29.1	26.0	22.2	18.7
86°	15.3	16.5	17.7	9.6	16.1	18.3	20.2	17.8	16.5	14.6	10.9
87°	4.4	4.4	5.3	4.0	6.6	5.7	7.2	6.5	7.0	5.3	3.3
88°	1.7	1.8	1.9	1.8	1.9	2.1	3.0	2.2	2.1	1.4	0.7
89°	0.6	0.7	0.7	0.8	0.9	0.8	0.8	0.5	0.5	0.4	0.3

REPORT NUMBER: P1440339

CATALOG NUMBER: XSF200-SFTR-4Hx4V-830-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: P1440339

CATALOG NUMBER: XSF200-SFTR-4Hx4V-830-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: P1440339
CATALOG NUMBER: XSF200-SFTR-4Hx4V-830-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: P1440339

CATALOG NUMBER: XSF200-SFTR-4Hx4V-830-Position 1

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	63512.6	63512.6	63512.6
1°	63739.4	63644.1	63535.6
2°	63657.2	63443.6	63233.3
3°	63302.3	62950.7	62628.6
4°	62697.6	62201.4	61816.9
5°	61948.4	61350.3	60880.4
6°	61064.4	60367.7	59884.6
7°	60154.1	59431.1	58928.3
8°	59270.1	58543.9	58027.9
9°	58356.5	57696.0	57120.9
10°	57489.0	56838.3	56236.9
11°	56588.6	55908.3	55201.8
12°	55609.3	54791.0	53887.3
13°	54413.1	53423.9	52375.6
14°	52983.6	51810.4	50634.0
15°	51337.2	50032.6	48747.7
16°	49437.8	48116.7	46726.6
17°	47341.2	46059.5	44653.0
18°	45054.0	43936.7	42618.9
19°	42582.7	41790.8	40420.4
20°	39805.9	39487.1	38077.3
21°	36930.4	36950.2	35454.9
22°	33765.8	34074.7	32469.7
23°	30486.2	30880.5	29127.3
24°	26950.6	27341.0	25779.0
25°	23413.3	23799.7	22430.7
26°	19876.3	20258.2	19042.9
27°	16520.1	16737.0	15616.7
28°	13390.0	13364.4	12468.5
29°	10659.8	10493.5	9885.3
30°	8342.4	8158.3	7744.6
31°	6543.5	6358.5	6106.4
32°	5183.3	5033.5	4851.1
33°	4168.6	4060.1	3959.2
34°	3441.3	3353.3	3285.3
35°	3042.2	2955.8	2898.1
36°	2648.5	2562.5	2515.7
37°	2254.7	2169.2	2133.2
38°	2037.6	1948.0	1912.9
39°	1876.6	1772.2	1738.4
40°	1744.9	1629.1	1595.9
41°	1643.2	1514.3	1480.1
42°	1557.3	1417.1	1380.0
43°	1484.7	1334.7	1295.6
44°	1419.1	1262.9	1221.2

REPORT NUMBER: P1440339

CATALOG NUMBER: XSF200-SFTR-4Hx4V-830-Position 1

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	1359.2	1199.7	1156.0
46°	1302.8	1142.9	1096.7
47°	1251.1	1091.9	1045.2
48°	1202.4	1048.0	997.6
49°	1154.7	1006.4	951.4
50°	1106.7	966.6	907.6
51°	1056.6	927.6	867.6
52°	1000.8	887.2	829.9
53°	943.5	848.3	795.4
54°	884.6	808.9	761.3
55°	827.7	769.0	728.0
56°	770.6	728.9	695.1
57°	719.3	688.1	663.6
58°	671.8	647.6	630.3
59°	629.0	606.8	599.5
60°	592.4	568.6	567.7
61°	556.7	532.7	538.1
62°	522.2	499.5	509.5
63°	491.5	470.7	481.0
64°	466.4	446.3	453.6
65°	444.4	423.5	426.6
66°	426.9	402.0	399.7
67°	407.8	380.2	373.6
68°	380.2	357.0	347.4
69°	349.4	334.0	319.7
70°	321.5	309.3	293.1
71°	319.5	284.3	266.5
72°	317.9	259.4	240.0
73°	316.4	234.4	216.9
74°	287.7	210.2	195.2
75°	235.1	186.3	173.4
76°	193.4	161.1	152.9
77°	162.8	138.3	132.3
78°	137.5	116.6	112.0
79°	114.9	94.7	92.3
80°	93.1	75.0	73.8
81°	71.9	57.3	57.5
82°	53.5	42.0	42.3
83°	37.8	34.3	33.7
84°	27.1	26.6	25.3
85°	16.4	18.9	16.9
86°	5.8	5.3	3.6
87°	1.3	1.0	0.9
88°	0.6	0.5	0.5
89°	0.2	0.2	0.2

REPORT NUMBER: P1440339

CATALOG NUMBER: XSF200-SFTR-4Hx4V-830-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: P1440339

CATALOG NUMBER: XSF200-SFTR-4Hx4V-830-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: P1440339

CATALOG NUMBER: XSF200-SFTR-4Hx4V-830-Position 1

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)