

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: P1440340

Luminaire Tested: XSF200-SFTR-4Hx4V-830-Position 2

Issue Date: 04/15/2026

Test Information

Test Method: LM-79-2024
Report Number: P1440340
Test Lab: THIRD PARTY NVLAP
Issue Date: 7/15/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XSF200-SFTR-4Hx4V-830-Position 2
Description: LUMARK ALL SELECTABLE LUMINAIRE 200W w/ NEMA 4 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: 24367.3 lumens
Efficiency: N/A
Efficacy: 157.2 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): 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

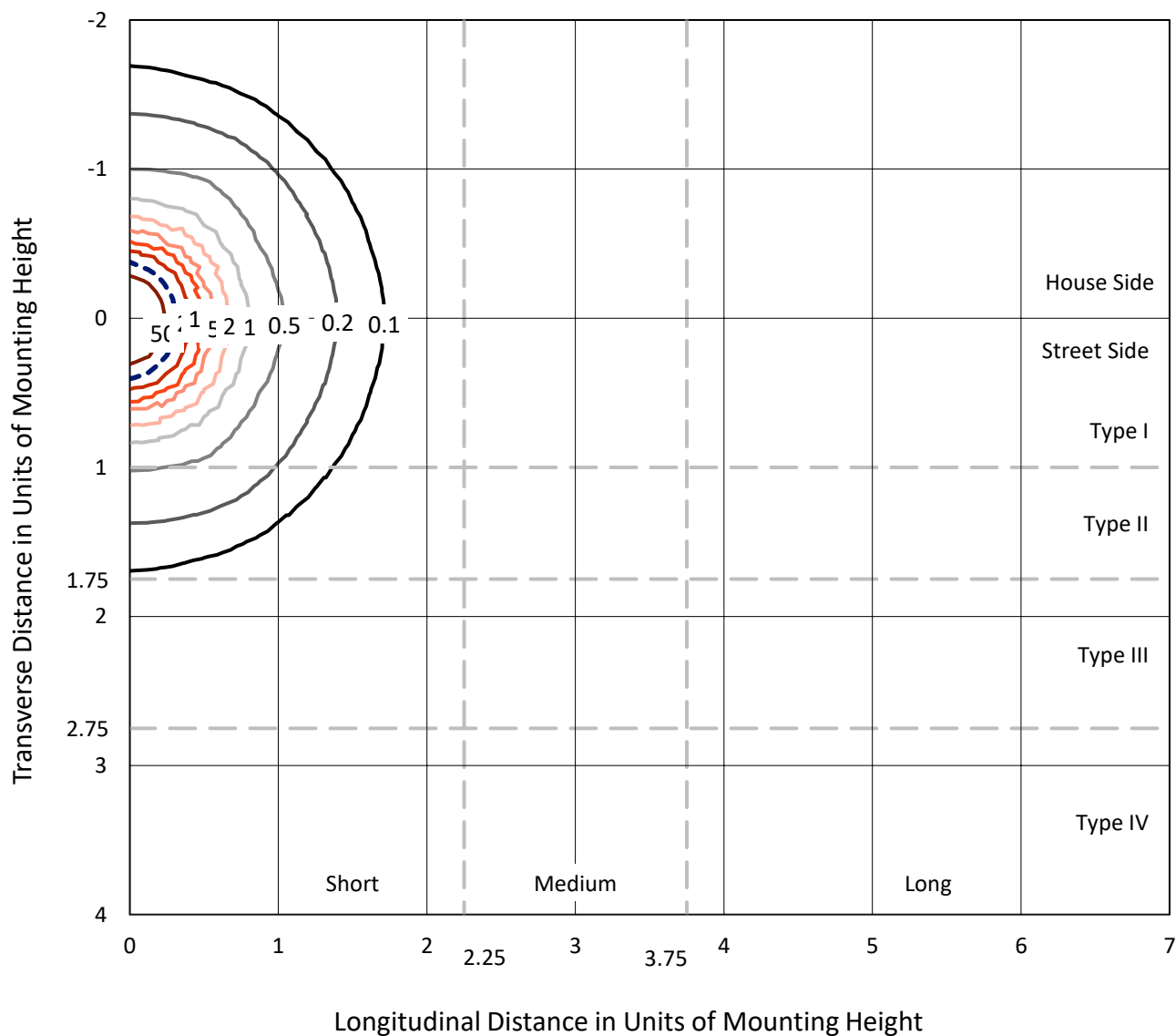
REPORT NUMBER: P1440340

CATALOG NUMBER: XSF200-SFTR-4Hx4V-830-Position 2

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



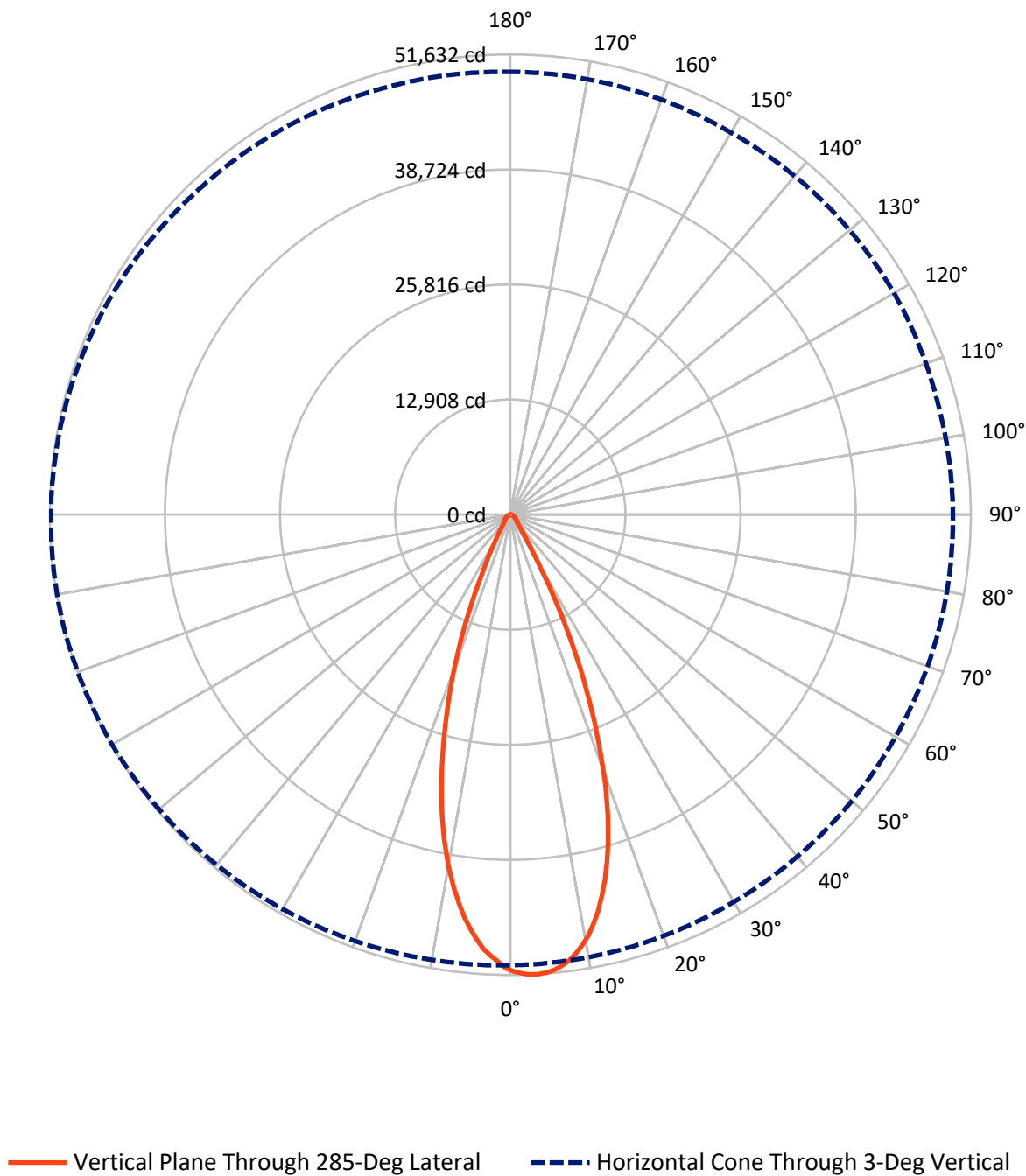
Based on 25 foot mounting height. Maximum calculated value = 82 fc

Type I - Short - N/A

REPORT NUMBER: P1440340

CATALOG NUMBER: XSF200-SFTR-4Hx4V-830-Position 2

Luminous Intensity Polar Plot



REPORT NUMBER: P1440340

CATALOG NUMBER: XSF200-SFTR-4Hx4V-830-Position 2

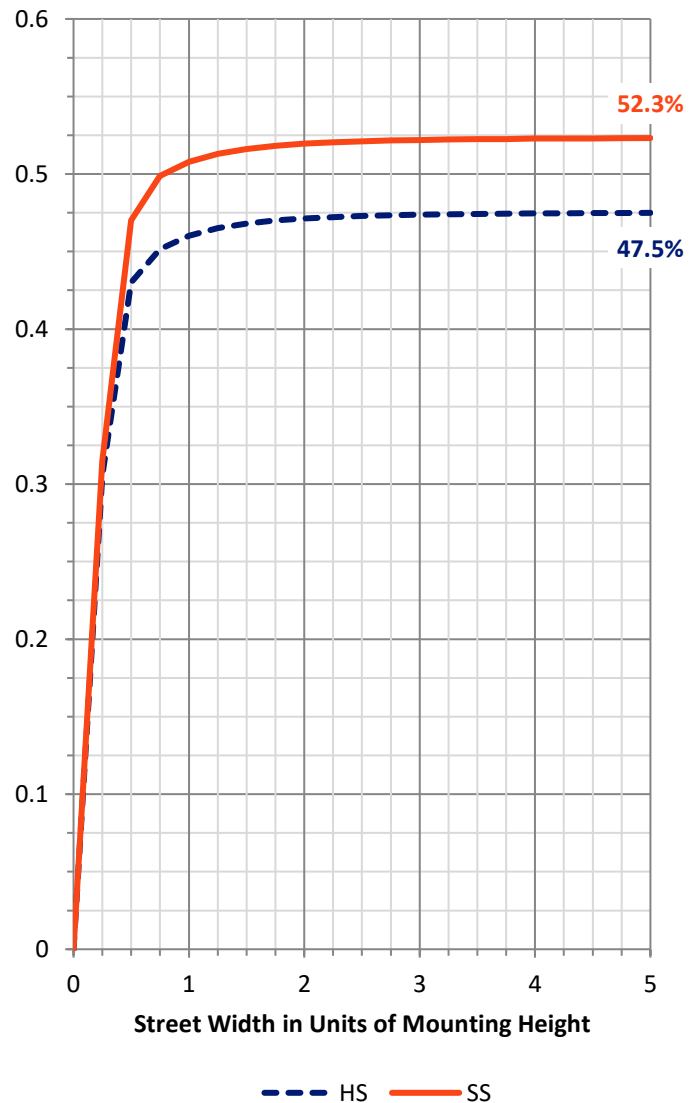
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11734.8	0.0	11734.8
	% Fixture	48.2	0.0	48.2
Street Side	Lumens	12632.5	0.0	12632.5
	% Fixture	51.8	0.0	51.8
Total	Lumens	24367.3	0.0	24367.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4538.0	18.6
10°-20°	10090.5	41.4
20°-30°	6462.3	26.5
30°-40°	1439.9	5.9
40°-50°	749.5	3.1
50°-60°	545.1	2.2
60°-70°	351.1	1.4
70°-80°	167.9	0.7
80°-90°	23.1	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°	24367.3	100.0
0°-180°	24367.3	100.0

Coefficient of Utilization



REPORT NUMBER: P1440340

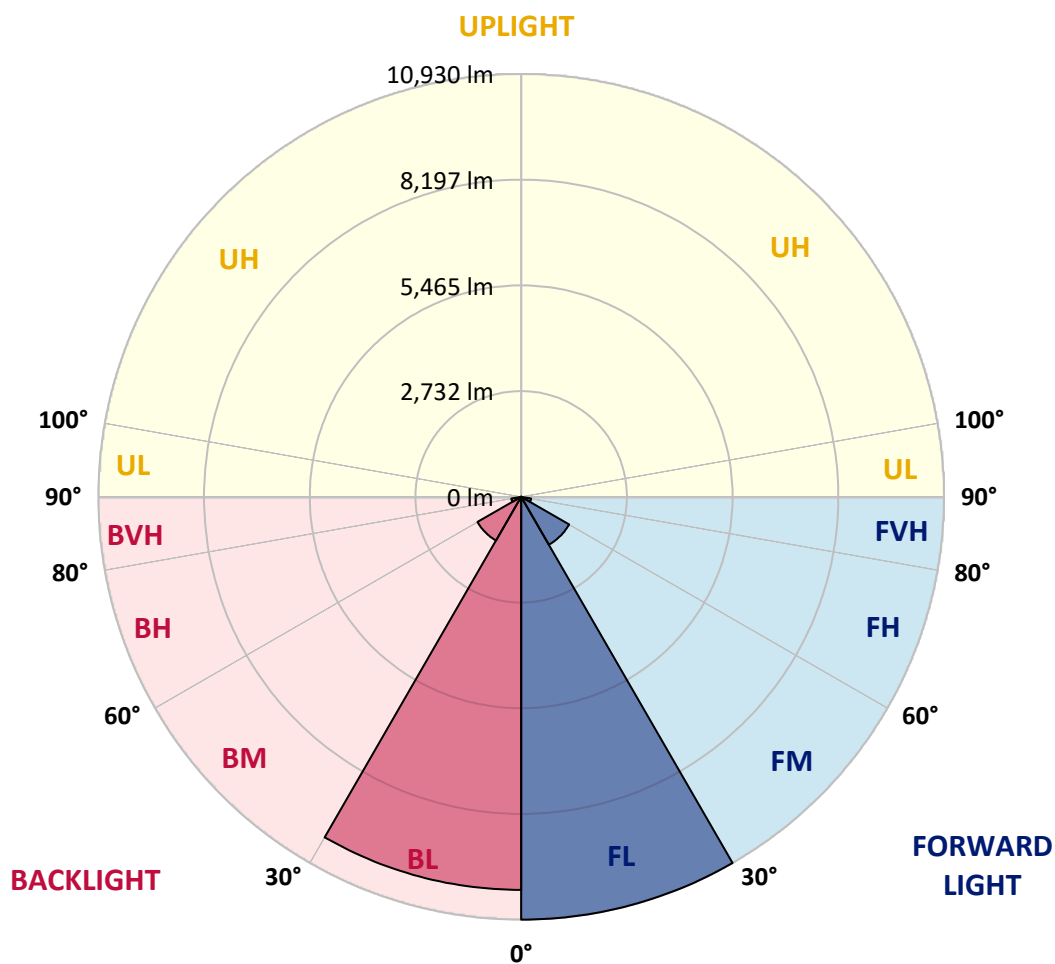
CATALOG NUMBER: XSF200-SFTR-4Hx4V-830-Position 2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	10929.6	44.9			
FM	(30°-60°)	1431.4	5.9			
FH	(60°-80°)	260.5	1.1			G0/660
FVH	(80°-90°)	10.9	0.0			G1/100
BL	(0°-30°)	10161.1	41.7	B5		
BM	(30°-60°)	1303.1	5.3	B2/2500		
BH	(60°-80°)	258.4	1.1	B1/500		G1/500
BVH	(80°-90°)	12.2	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



REPORT NUMBER: P1440340

CATALOG NUMBER: XSF200-SFTR-4Hx4V-830-Position 2

CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	51250.5	51250.5	51250.5	51250.5	51250.5	51250.5	51250.5	51250.5	51250.5	51250.5	51250.5
1°	51269.1	51208.1	51110.0	51025.1	50950.9	50874.0	50913.7	50897.8	50874.0	50868.7	50868.7
2°	51025.1	50879.3	50712.2	50611.4	50486.8	50407.3	50274.7	50219.0	50285.3	50258.8	50181.9
3°	50537.2	50346.3	50152.7	50022.8	49871.6	49752.3	49632.9	49540.1	49688.6	49643.6	49495.1
4°	49882.2	49670.1	49444.7	49267.0	49113.2	48951.4	48988.6	48850.7	48779.1	48773.8	48805.6
5°	49126.5	48866.6	48622.6	48410.5	48185.1	47962.3	48002.1	47835.1	47782.0	47805.9	47885.4
6°	48323.0	48041.9	47755.5	47437.3	47135.0	46859.2	46840.6	46692.1	46684.2	46761.1	46967.9
7°	47551.3	47227.8	46830.0	46387.2	45978.8	45642.1	45573.1	45451.1	45432.6	45658.0	46013.3
8°	46824.7	46442.9	45901.9	45281.4	44721.9	44247.2	44162.4	44005.9	44082.8	44462.0	45005.6
9°	46092.8	45660.6	44944.6	44106.7	43332.4	42749.0	42581.9	42478.5	42635.0	43154.7	43937.0
10°	45379.5	44788.2	43937.0	42868.3	41873.9	41160.6	40892.8	40821.2	41104.9	41799.7	42756.9
11°	44544.2	43836.2	42812.6	41555.7	40362.4	39415.7	39100.2	39065.7	39452.8	40290.8	41439.0
12°	43483.5	42733.1	41616.7	40152.9	38782.0	37628.4	37148.5	37140.5	37689.4	38667.9	39948.7
13°	42263.7	41428.4	40198.0	38617.5	37066.3	35719.2	35122.5	35119.9	35798.7	36925.7	38312.6
14°	40858.3	39948.7	38572.5	36939.0	35276.3	33706.5	32953.4	33006.4	33791.3	35037.7	36488.2
15°	39336.2	38307.3	36777.2	35130.5	33287.5	31585.1	30736.5	30784.3	31675.2	32995.8	34486.1
16°	37705.3	36525.3	34814.9	33176.1	31179.4	29365.6	28445.4	28519.7	29442.5	30861.2	32327.6
17°	36032.1	34674.4	32823.5	31062.7	29010.2	27095.7	26178.7	26238.9	27156.6	28607.2	30118.7
18°	34390.6	32770.4	30736.5	28890.9	26772.1	24899.2	23934.0	23962.1	24833.2	26272.0	27827.5
19°	32616.6	30802.8	28578.0	26610.4	24444.2	22674.6	21708.1	21698.0	22487.7	23812.3	25417.9
20°	30725.9	28723.8	26356.1	24174.5	22212.2	20449.3	19525.2	19489.1	20209.3	21340.0	22924.2
21°	28609.8	26440.7	23957.8	21887.1	19980.7	18223.9	17326.6	17273.5	17910.0	18850.8	20273.7
22°	26201.0	24475.5	21554.5	19603.1	17700.2	16004.9	15154.0	15096.2	15637.4	16383.9	17650.1
23°	23503.9	21697.5	19151.3	17243.6	15459.5	13830.2	13022.0	12952.8	13430.1	14009.5	15096.7
24°	20802.0	18898.3	16718.5	14950.3	13275.2	11738.3	10975.9	10887.6	11288.8	11753.4	12695.0
25°	18100.1	16263.0	14346.5	12721.0	11191.5	9828.2	9147.2	9019.4	9317.7	9700.4	10500.7
26°	15366.4	13746.4	12085.7	10637.5	9283.0	8132.1	7561.5	7389.1	7588.5	7895.6	8530.2
27°	12601.7	11332.0	9992.1	8778.4	7640.8	6693.8	6466.3	6303.0	6443.0	6685.1	6899.1
28°	10061.3	9122.8	8117.0	7161.6	6231.9	5491.0	5371.4	5216.5	5297.7	5474.3	5838.1
29°	7976.8	7288.9	6589.6	5836.3	5116.6	4529.7	4278.1	4134.1	4163.3	4276.0	4777.1
30°	6249.4	5796.5	5316.0	4757.5	4209.9	3743.8	3568.2	3436.7	3445.2	3529.5	3721.7
31°	4927.5	4642.2	4314.7	3909.8	3490.0	3128.8	3003.9	2891.5	2894.9	2967.1	3094.9
32°	3914.5	3736.1	3548.8	3249.7	2931.3	2660.2	2567.3	2461.5	2471.0	2535.7	2620.3
33°	3194.8	3075.5	2954.9	2737.7	2489.4	2363.8	2229.0	2132.8	2141.7	2196.8	2261.5
34°	2651.0	2576.7	2509.6	2428.0	2214.9	2070.8	1972.5	1876.2	1879.9	1937.6	1990.0
35°	2338.6	2286.5	2247.8	2118.9	1942.8	1777.8	1769.0	1675.5	1674.5	1730.9	1782.9
36°	2030.0	1999.9	1986.9	1809.7	1670.7	1602.6	1610.1	1517.3	1513.4	1570.0	1624.7
37°	1721.4	1713.3	1726.1	1620.3	1505.3	1462.4	1482.1	1389.7	1380.3	1437.1	1498.4
38°	1543.6	1542.4	1571.5	1471.1	1372.9	1347.4	1375.6	1284.0	1274.0	1330.6	1398.4
39°	1402.8	1404.7	1449.7	1347.3	1264.4	1251.5	1289.8	1198.5	1185.6	1243.3	1318.3
40°	1287.8	1293.2	1350.9	1244.2	1175.7	1172.6	1218.0	1126.9	1112.6	1171.8	1251.4
41°	1194.3	1201.7	1269.2	1163.1	1101.8	1106.4	1157.8	1066.9	1051.2	1112.0	1195.8
42°	1113.6	1125.8	1200.1	1095.1	1039.9	1050.9	1107.8	1015.1	998.4	1061.7	1146.2
43°	1045.4	1061.4	1140.6	1037.3	984.8	1001.7	1064.1	971.0	953.6	1018.9	1102.7
44°	985.4	1006.2	1087.0	986.9	935.9	957.9	1025.0	932.6	912.2	981.7	1064.5

REPORT NUMBER: P1440340

CATALOG NUMBER: XSF200-SFTR-4Hx4V-830-Position 2

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	932.8	956.4	1040.0	942.6	892.4	918.4	989.6	897.5	875.0	946.5	1026.1
46°	885.0	911.8	997.0	904.1	853.9	882.7	955.2	863.3	840.8	911.8	985.4
47°	843.4	871.4	957.8	870.5	818.6	849.2	917.7	830.1	808.2	875.9	940.1
48°	805.0	833.7	920.9	838.3	785.9	814.8	879.6	797.7	777.7	840.4	894.7
49°	767.7	795.8	881.7	806.5	754.5	781.9	842.3	766.1	748.2	804.2	848.4
50°	732.4	758.8	840.4	774.7	724.6	749.2	803.5	734.6	718.9	768.4	802.7
51°	700.1	721.6	796.5	741.0	695.3	715.8	763.7	703.1	691.3	733.5	758.8
52°	669.7	685.7	752.4	707.7	666.5	681.6	724.9	672.8	663.1	698.4	716.0
53°	641.9	651.9	709.5	674.1	638.3	649.0	688.3	642.5	635.1	664.2	674.9
54°	614.4	617.9	667.5	641.1	610.4	617.2	651.7	614.3	607.9	630.5	635.6
55°	587.5	585.7	626.9	608.6	583.6	587.2	618.1	586.6	581.5	598.4	601.8
56°	560.9	554.7	588.0	576.2	557.4	559.7	589.4	559.0	555.1	566.6	568.9
57°	535.4	525.8	551.8	544.8	532.2	533.7	560.7	531.4	528.8	534.7	536.1
58°	508.6	497.7	520.2	514.0	507.4	508.6	532.1	505.8	504.8	503.8	506.9
59°	483.8	471.7	490.9	483.8	483.8	484.9	506.6	481.3	481.1	474.7	478.7
60°	458.1	446.2	462.0	454.0	459.3	462.2	481.6	457.7	457.4	447.1	452.0
61°	434.2	422.1	434.4	426.4	435.5	440.9	458.1	436.0	433.6	422.7	426.6
62°	411.2	399.5	409.4	402.1	413.6	419.8	439.3	415.9	411.4	401.4	406.2
63°	388.1	378.5	387.2	380.2	391.6	400.3	425.7	396.7	390.2	381.3	388.6
64°	366.0	359.5	369.4	360.3	370.5	380.9	412.2	377.8	369.3	361.9	372.6
65°	344.2	340.6	354.0	341.2	349.4	361.8	395.6	358.3	348.3	342.6	354.5
66°	322.5	322.6	338.7	322.1	328.1	343.0	377.7	338.9	326.7	324.0	333.0
67°	301.5	304.8	319.1	302.8	306.6	324.8	357.8	319.9	304.8	305.9	308.3
68°	280.3	285.9	295.0	283.8	284.1	304.6	336.0	299.6	281.9	287.1	282.6
69°	258.0	267.2	271.4	263.4	260.3	283.2	312.4	278.9	257.0	267.0	265.7
70°	236.5	246.2	250.7	242.2	237.8	262.0	294.4	257.6	232.2	246.2	283.9
71°	215.1	226.1	255.9	221.0	215.2	240.1	322.8	235.8	210.7	224.9	295.2
72°	193.6	206.1	261.5	199.8	192.7	218.2	295.3	214.2	190.9	203.2	272.8
73°	175.1	186.2	267.0	178.3	172.5	196.3	248.9	192.7	171.2	180.7	226.1
74°	157.5	165.4	221.5	158.4	153.6	175.5	209.2	172.0	152.5	159.4	192.7
75°	140.0	144.4	177.4	138.4	135.3	155.4	180.1	153.3	135.1	140.1	168.1
76°	123.4	125.7	146.8	120.1	118.3	135.3	158.4	136.3	117.9	121.1	145.7
77°	106.7	107.6	123.8	103.2	102.2	115.3	139.6	117.9	101.9	102.5	125.8
78°	90.4	89.3	104.8	86.8	86.6	96.6	122.4	99.0	86.3	85.2	106.6
79°	74.5	72.0	87.5	70.9	72.1	79.4	104.8	81.7	71.8	70.8	89.9
80°	59.6	56.7	70.3	56.5	58.4	64.2	87.5	67.8	59.3	56.4	73.3
81°	46.4	43.2	53.4	43.8	45.9	50.5	71.4	53.8	46.8	42.0	59.1
82°	34.1	31.5	39.4	32.0	34.7	38.6	57.6	39.9	34.3	31.8	44.9
83°	27.2	25.3	26.9	25.0	26.6	29.6	43.8	30.9	27.1	24.9	30.7
84°	20.4	19.1	17.9	18.1	20.8	22.6	30.0	25.3	21.7	20.0	21.9
85°	13.7	12.9	9.0	11.2	15.0	15.6	18.7	18.8	15.5	14.0	12.9
86°	2.9	3.0	3.0	5.1	6.7	8.6	9.7	10.2	8.2	7.4	6.1
87°	0.8	0.7	0.7	1.1	2.0	2.8	3.9	3.3	2.6	2.9	2.5
88°	0.4	0.4	0.4	0.4	0.5	0.8	1.1	1.1	1.2	1.2	1.2
89°	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.4	0.5	0.5

REPORT NUMBER: P1440340

CATALOG NUMBER: XSF200-SFTR-4Hx4V-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: P1440340

CATALOG NUMBER: XSF200-SFTR-4Hx4V-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: P1440340
CATALOG NUMBER: XSF200-SFTR-4Hx4V-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: P1440340

CATALOG NUMBER: XSF200-SFTR-4Hx4V-830-Position 2

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	51250.5	51250.5	51250.5	51250.5	51250.5	51250.5	51250.5	51250.5	51250.5	51250.5	51250.5
1°	50940.3	50977.4	51067.5	51144.4	51232.0	51303.6	51367.2	51444.1	51494.5	51513.0	51494.5
2°	50256.1	50327.7	50481.5	50813.0	51025.1	51237.3	51409.6	51558.1	51627.1	51621.8	51515.7
3°	49572.0	49678.0	49895.5	50245.5	50537.2	50995.9	51327.4	51534.3	51632.4	51571.4	51335.4
4°	48885.2	49028.3	49306.8	49675.4	50051.9	50577.0	51125.9	51412.3	51526.3	51380.5	51011.9
5°	48041.9	48209.0	48495.3	48938.2	49564.0	50158.0	50839.5	51210.7	51311.5	51022.5	50526.6
6°	47180.1	47410.8	47707.8	48163.9	48863.9	49733.7	50303.8	50863.4	50935.0	50584.9	49951.2
7°	46347.4	46639.1	46983.8	47439.9	48150.6	49028.3	49765.5	50343.6	50433.8	50001.5	49290.9
8°	45509.5	45899.3	46281.1	46734.6	47394.9	48296.5	49227.2	49701.9	49776.1	49317.4	48561.6
9°	44623.8	45098.4	45538.6	46021.3	46641.8	47458.5	48381.3	48895.8	48951.4	48490.0	47787.3
10°	43613.5	44191.5	44721.9	45278.8	45822.4	46525.1	47373.6	47893.4	48012.7	47548.7	46973.2
11°	42430.8	43091.1	43751.3	44435.5	44960.5	45475.0	46214.8	46694.8	46811.5	46472.1	46106.1
12°	41073.1	41794.4	42558.1	43419.9	43979.4	44300.3	44881.0	45300.0	45477.6	45289.4	45196.6
13°	39516.5	40266.9	41163.2	42231.9	42873.6	43000.9	43396.0	43746.0	43974.1	43944.9	44127.9
14°	37782.2	38572.5	39569.5	40858.3	41571.6	41587.5	41810.3	42048.9	42324.7	42475.9	42955.8
15°	35915.4	36870.0	37877.7	39264.6	40078.7	40036.2	40073.4	40176.8	40505.6	40911.3	41608.7
16°	33971.7	35117.2	36146.1	37477.3	38336.5	38259.6	38198.6	38142.9	38559.2	39195.6	40089.3
17°	32017.3	33398.9	34409.2	35581.3	36413.9	36371.5	36167.3	35952.5	36477.6	37339.4	38317.9
18°	29922.4	31585.1	32645.8	33547.4	34236.8	34260.7	33963.7	33589.8	34157.3	35271.0	36292.0
19°	27639.3	29588.3	30707.4	31426.0	31892.7	31990.8	31513.5	31099.8	31746.8	33054.2	34088.3
20°	25184.5	27294.5	28554.1	29092.4	29344.3	29511.4	29036.7	28509.0	29179.9	30611.9	31616.9
21°	22507.3	24758.7	26044.2	26552.0	26666.1	26920.6	26364.0	25898.7	26586.5	28029.1	29031.4
22°	19751.6	21952.8	23312.7	23768.2	23886.8	24223.0	23745.4	23273.9	23972.9	25378.9	26332.5
23°	16975.8	19056.6	20386.7	20853.4	21023.4	21456.7	21032.7	20649.0	21358.6	22667.5	23520.0
24°	14303.8	16121.6	17422.0	17922.4	18172.5	18730.2	18383.0	18024.3	18743.9	19954.7	20706.5
25°	11766.6	13275.2	14488.9	15080.3	15430.6	16008.7	15766.0	15422.6	16169.1	17242.0	17893.0
26°	9495.4	10667.0	11765.8	12432.2	12860.5	13396.1	13168.4	12907.2	13632.4	14663.7	15211.5
27°	7573.9	8416.9	9367.9	10116.5	10518.5	10939.0	10760.8	10520.3	11195.2	12144.3	12682.6
28°	6330.3	6993.7	7341.4	8042.5	8462.3	8720.6	8568.9	8410.6	8980.4	9822.4	10343.7
29°	5086.6	5570.5	6120.3	6730.7	6740.0	6880.5	6759.3	6651.1	7090.5	7789.8	8289.1
30°	3853.0	4151.9	4898.9	5418.6	5537.9	5599.5	5523.9	5271.4	5564.7	6095.6	6517.8
31°	3155.9	3371.7	3697.1	4121.6	4337.5	4325.3	4289.2	4228.8	4422.6	4791.7	5145.5
32°	2632.0	2785.9	3026.5	3363.8	3522.3	3493.2	3467.4	3447.5	3571.7	3812.7	4081.1
33°	2246.9	2352.2	2539.8	2805.8	2917.5	2865.8	2861.0	2870.3	2947.2	3095.1	3293.2
34°	1958.0	2028.0	2168.0	2391.9	2455.8	2406.6	2413.6	2427.2	2483.3	2571.2	2709.8
35°	1731.9	1777.8	1890.7	2080.6	2110.6	2059.9	2077.6	2149.8	2210.4	2273.1	2384.8
36°	1561.1	1587.1	1680.0	1850.3	1846.6	1800.9	1823.7	1874.7	1940.1	1978.1	2062.6
37°	1421.9	1438.4	1512.6	1671.6	1645.7	1603.9	1630.2	1687.8	1669.8	1683.2	1740.4
38°	1310.9	1318.8	1381.8	1535.6	1489.0	1447.5	1474.6	1545.9	1514.3	1514.9	1559.3
39°	1220.1	1222.7	1277.9	1428.4	1364.8	1326.9	1350.8	1428.9	1387.5	1378.3	1417.7
40°	1146.2	1142.2	1193.3	1341.7	1264.3	1224.9	1249.0	1333.3	1283.3	1266.8	1302.7
41°	1084.5	1074.7	1122.8	1269.9	1181.9	1142.2	1165.2	1254.1	1198.0	1173.3	1210.7
42°	1031.9	1016.2	1064.4	1207.6	1115.4	1071.0	1093.5	1188.9	1124.0	1094.0	1133.4
43°	987.0	966.4	1014.5	1152.9	1059.0	1011.3	1032.4	1134.1	1061.1	1027.2	1069.3
44°	947.1	922.0	971.2	1104.9	1009.7	958.7	980.1	1085.9	1007.1	969.1	1014.6

REPORT NUMBER: P1440340

CATALOG NUMBER: XSF200-SFTR-4Hx4V-830-Position 2

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	910.8	882.8	933.9	1062.1	966.6	911.5	933.8	1044.8	960.5	919.4	967.6
46°	875.9	846.3	899.9	1022.1	928.6	869.3	893.6	1007.2	918.4	873.5	925.5
47°	840.1	811.3	865.9	983.2	893.5	830.9	857.2	972.5	881.0	832.7	888.3
48°	803.7	779.1	831.6	941.4	859.7	795.7	825.4	940.0	847.3	796.7	854.5
49°	768.1	748.2	797.2	895.3	824.8	763.8	797.0	907.4	817.3	765.0	823.6
50°	732.4	718.0	762.9	849.3	788.7	733.1	767.0	872.1	789.3	734.4	794.3
51°	697.4	689.6	729.5	802.0	752.6	702.8	737.2	832.3	758.1	705.4	763.8
52°	663.0	660.3	696.0	756.6	716.7	673.3	705.4	792.0	725.5	676.7	732.2
53°	629.5	633.0	661.5	712.6	680.4	645.3	674.9	749.4	693.3	649.2	700.1
54°	598.6	607.1	628.5	669.3	644.0	617.1	644.1	706.8	661.0	622.3	666.4
55°	568.8	580.6	596.6	627.3	608.2	589.7	614.4	664.1	627.2	594.7	632.0
56°	539.1	554.1	564.7	591.7	576.3	562.3	584.4	624.2	595.0	567.6	596.1
57°	512.9	527.6	532.8	556.2	544.3	535.0	554.6	586.5	562.9	541.0	562.3
58°	487.0	503.4	502.9	520.6	512.4	509.2	524.7	554.1	533.8	514.8	530.3
59°	461.0	479.3	472.3	490.6	484.2	484.3	497.2	524.5	505.7	489.3	499.4
60°	436.2	455.9	442.9	461.0	455.7	459.8	469.9	497.6	478.3	464.5	468.7
61°	414.3	432.9	417.4	433.1	429.5	436.6	444.4	470.9	451.6	440.4	438.5
62°	395.0	410.3	395.8	409.9	405.3	414.0	421.0	446.3	426.9	417.2	410.5
63°	376.8	388.2	376.9	390.0	383.8	392.3	401.0	426.1	405.0	394.4	386.1
64°	358.9	366.6	359.1	374.9	363.8	370.9	382.8	412.1	385.4	373.0	365.2
65°	341.3	344.1	341.4	359.6	345.5	350.4	365.4	402.5	366.5	352.6	346.5
66°	322.5	322.6	323.7	342.6	327.2	329.6	347.9	391.2	348.5	332.0	328.3
67°	303.7	301.7	305.9	321.9	309.1	308.8	329.0	376.2	329.7	311.7	310.3
68°	284.1	279.5	286.8	297.5	291.4	287.6	310.4	358.6	312.0	290.9	292.6
69°	264.1	255.6	266.7	274.4	272.8	265.3	291.5	338.0	293.3	269.6	274.1
70°	243.8	232.7	246.7	262.1	252.8	242.1	271.7	315.5	273.8	245.8	254.8
71°	223.2	212.4	226.6	266.4	232.4	220.3	251.0	292.4	254.3	225.1	234.0
72°	202.2	193.5	206.1	278.6	211.4	200.4	229.6	290.3	232.8	204.5	213.1
73°	181.4	175.8	185.7	247.3	190.1	180.7	207.5	281.1	211.3	184.3	192.3
74°	160.9	158.1	164.9	201.5	168.9	161.6	186.1	239.2	189.8	165.0	171.5
75°	141.7	140.6	144.8	170.2	148.7	143.5	165.8	203.9	167.9	146.4	150.7
76°	123.3	123.7	126.5	145.2	129.1	126.4	145.8	168.6	148.2	128.8	131.3
77°	105.6	107.4	108.7	125.3	110.3	109.9	128.3	144.8	130.5	112.0	113.3
78°	88.9	91.6	91.3	107.3	92.2	94.1	110.4	124.8	110.9	95.9	95.9
79°	73.4	77.0	75.2	90.8	75.6	79.2	92.4	106.3	91.6	80.6	78.8
80°	60.9	64.3	62.4	75.0	62.3	66.0	75.5	89.2	74.4	66.2	63.8
81°	48.3	51.6	49.5	60.9	48.9	52.7	62.2	73.1	58.9	52.8	50.4
82°	35.8	38.9	36.8	46.9	35.6	39.6	49.0	58.2	45.6	40.6	37.8
83°	31.1	33.7	31.2	32.9	28.0	30.5	35.9	45.0	34.2	30.4	26.7
84°	29.8	32.9	30.5	24.7	25.8	26.7	29.8	32.6	28.7	24.1	20.9
85°	23.7	26.1	24.8	15.4	21.2	22.3	25.0	23.5	21.0	17.9	15.1
86°	12.3	13.3	14.3	7.7	13.0	14.8	16.3	14.4	13.3	11.8	8.8
87°	3.5	3.5	4.3	3.2	5.3	4.6	5.8	5.2	5.6	4.3	2.6
88°	1.4	1.5	1.5	1.4	1.6	1.7	2.4	1.8	1.7	1.1	0.6
89°	0.5	0.5	0.6	0.6	0.7	0.7	0.6	0.4	0.4	0.3	0.2

REPORT NUMBER: P1440340

CATALOG NUMBER: XSF200-SFTR-4Hx4V-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: P1440340

CATALOG NUMBER: XSF200-SFTR-4Hx4V-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: P1440340
CATALOG NUMBER: XSF200-SFTR-4Hx4V-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: P1440340

CATALOG NUMBER: XSF200-SFTR-4Hx4V-830-Position 2

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	51250.5	51250.5	51250.5
1°	51433.5	51356.6	51269.1
2°	51367.2	51194.8	51025.1
3°	51080.8	50797.1	50537.2
4°	50592.9	50192.5	49882.2
5°	49988.3	49505.7	49126.5
6°	49275.0	48712.8	48323.0
7°	48540.4	47957.0	47551.3
8°	47827.1	47241.1	46824.7
9°	47089.9	46556.9	46092.8
10°	46389.8	45864.8	45379.5
11°	45663.3	45114.4	44544.2
12°	44873.0	44212.8	43483.5
13°	43907.8	43109.6	42263.7
14°	42754.3	41807.6	40858.3
15°	41425.8	40373.0	39336.2
16°	39893.0	38827.0	37705.3
17°	38201.2	37167.0	36032.1
18°	36355.6	35454.0	34390.6
19°	34361.5	33722.4	32616.6
20°	32120.7	31863.5	30725.9
21°	29800.5	29816.4	28609.8
22°	27246.8	27496.1	26201.0
23°	24600.4	24918.6	23503.9
24°	21747.3	22062.4	20802.0
25°	18893.0	19204.8	18100.1
26°	16038.9	16347.0	15366.4
27°	13330.7	13505.7	12601.7
28°	10804.9	10784.2	10061.3
29°	8601.8	8467.6	7976.8
30°	6731.8	6583.3	6249.4
31°	5280.2	5130.9	4927.5
32°	4182.6	4061.7	3914.5
33°	3363.8	3276.2	3194.8
34°	2776.9	2705.9	2651.0
35°	2454.8	2385.1	2338.6
36°	2137.1	2067.8	2030.0
37°	1819.4	1750.4	1721.4
38°	1644.2	1571.9	1543.6
39°	1514.3	1430.1	1402.8
40°	1408.0	1314.6	1287.8
41°	1325.9	1222.0	1194.3
42°	1256.6	1143.5	1113.6
43°	1198.0	1077.0	1045.4
44°	1145.1	1019.1	985.4

REPORT NUMBER: P1440340

CATALOG NUMBER: XSF200-SFTR-4Hx4V-830-Position 2

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	1096.8	968.1	932.8
46°	1051.3	922.3	885.0
47°	1009.5	881.1	843.4
48°	970.2	845.7	805.0
49°	931.8	812.1	767.7
50°	893.0	780.0	732.4
51°	852.6	748.5	700.1
52°	807.5	715.9	669.7
53°	761.4	684.5	641.9
54°	713.8	652.7	614.4
55°	667.9	620.5	587.5
56°	621.8	588.2	560.9
57°	580.4	555.3	535.4
58°	542.1	522.6	508.6
59°	507.6	489.7	483.8
60°	478.0	458.9	458.1
61°	449.2	429.8	434.2
62°	421.4	403.1	411.2
63°	396.6	379.8	388.1
64°	376.4	360.1	366.0
65°	358.6	341.7	344.2
66°	344.5	324.4	322.5
67°	329.1	306.8	301.5
68°	306.8	288.1	280.3
69°	281.9	269.5	258.0
70°	259.4	249.6	236.5
71°	257.8	229.4	215.1
72°	256.6	209.3	193.6
73°	255.3	189.2	175.1
74°	232.2	169.6	157.5
75°	189.7	150.3	140.0
76°	156.1	130.0	123.4
77°	131.4	111.6	106.7
78°	111.0	94.1	90.4
79°	92.8	76.4	74.5
80°	75.2	60.5	59.6
81°	58.0	46.2	46.4
82°	43.2	33.9	34.1
83°	30.5	27.7	27.2
84°	21.8	21.5	20.4
85°	13.2	15.2	13.7
86°	4.7	4.3	2.9
87°	1.0	0.8	0.8
88°	0.5	0.4	0.4
89°	0.2	0.2	0.2

REPORT NUMBER: P1440340

CATALOG NUMBER: XSF200-SFTR-4Hx4V-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: P1440340

CATALOG NUMBER: XSF200-SFTR-4Hx4V-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: P1440340

CATALOG NUMBER: XSF200-SFTR-4Hx4V-830-Position 2

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)