

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: P1440342

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

Issue Date: 04/15/2026

Test Information

Test Method: LM-79-2024
Report Number: P1440342
Test Lab: THIRD PARTY NVLAP
Issue Date: 7/15/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XSF200-SFTR-4Hx4V-830-Position 4
Description: LUMARK ALL SELECTABLE LUMINAIRE 200W w/ NEMA 4 FLOOD DISTRIBUTION 3000K CCT
80 CRI LIGHT ENGINE AT Position 4
Light Source: (1) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12865.2 lumens
Efficiency: N/A
Efficacy: 158.8 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): 81
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

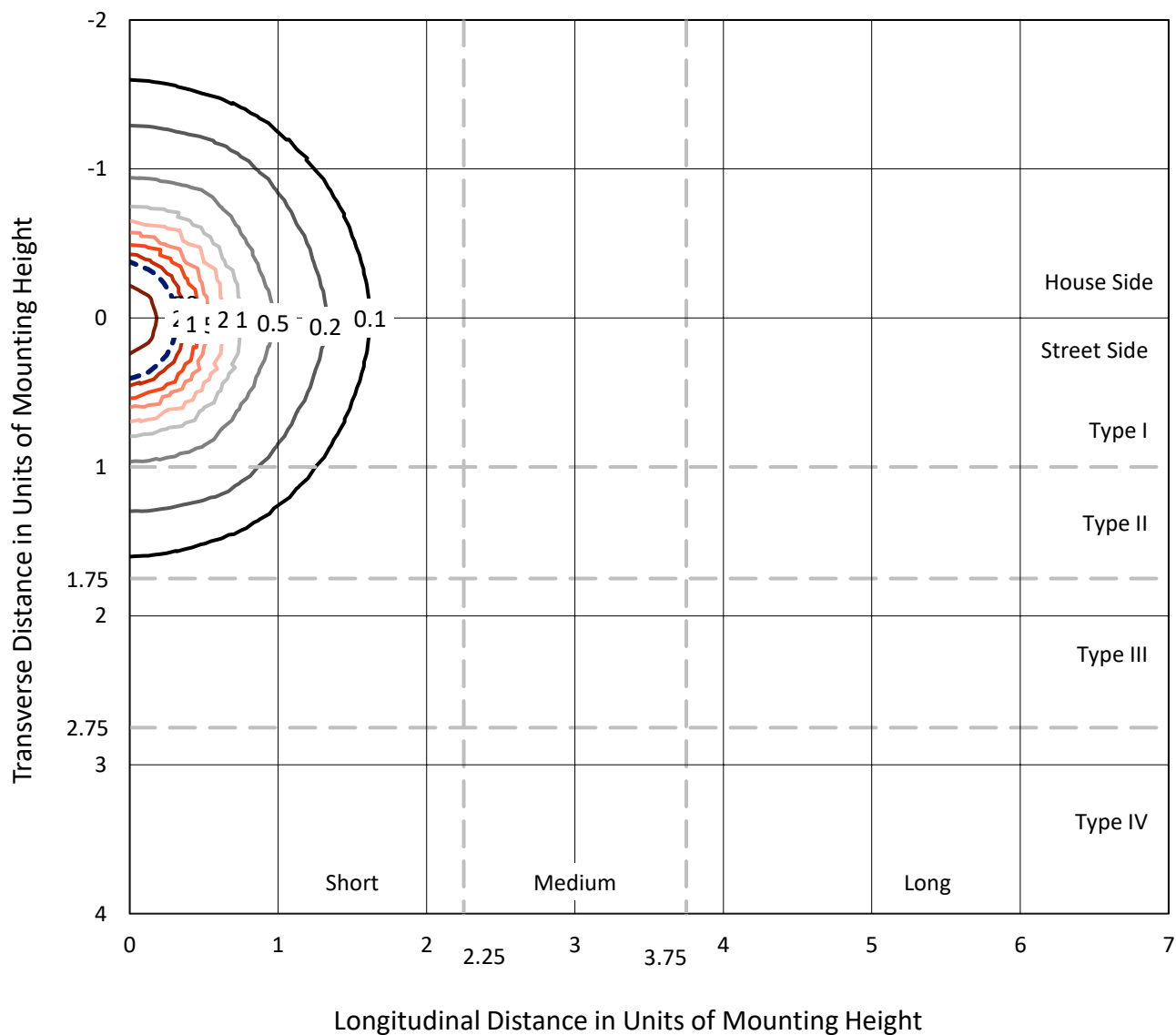
REPORT NUMBER: P1440342

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

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



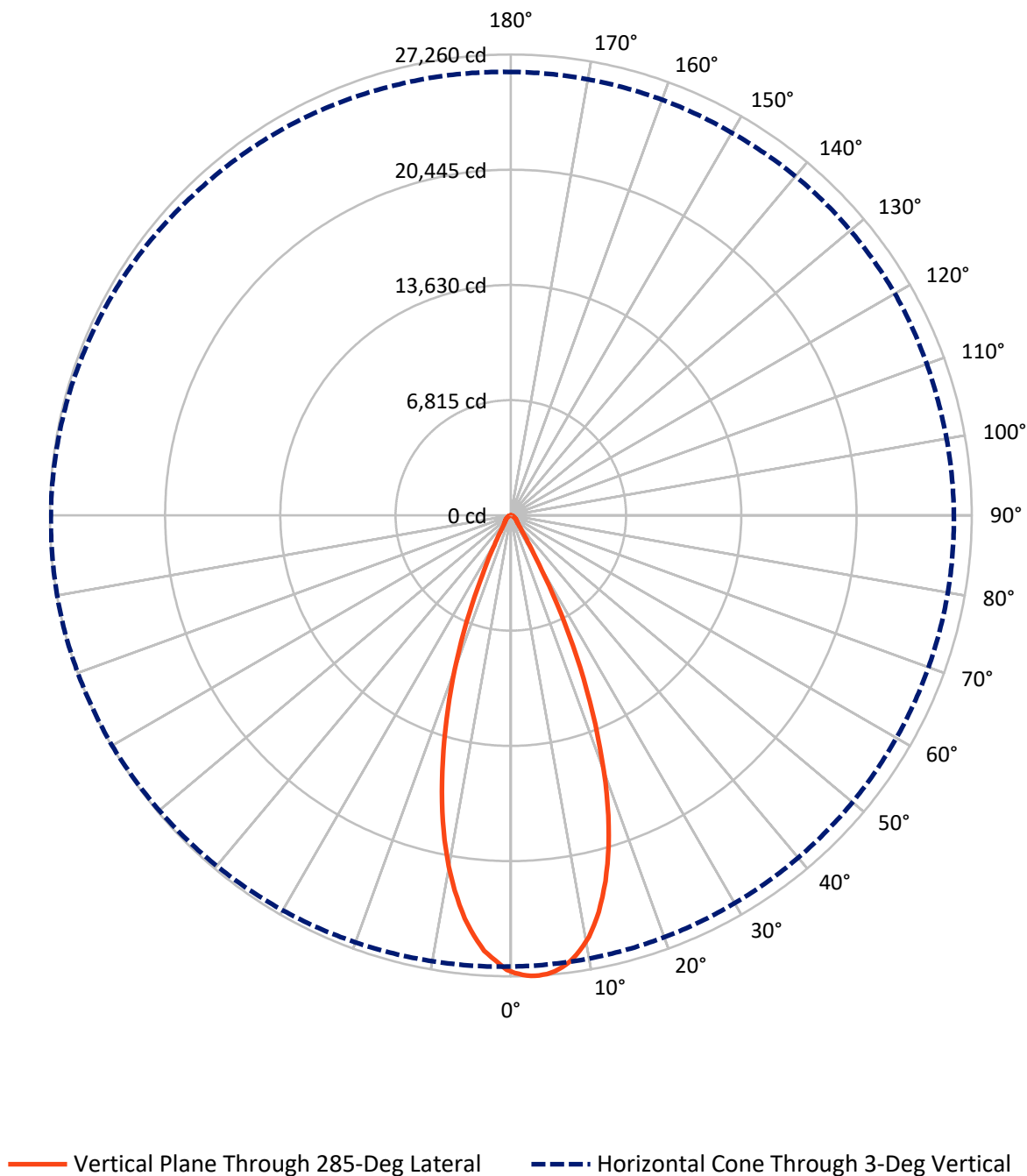
Based on 20 foot mounting height. Maximum calculated value = 67.6 fc

Type I - Short - N/A

REPORT NUMBER: P1440342

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

Luminous Intensity Polar Plot



REPORT NUMBER: P1440342

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

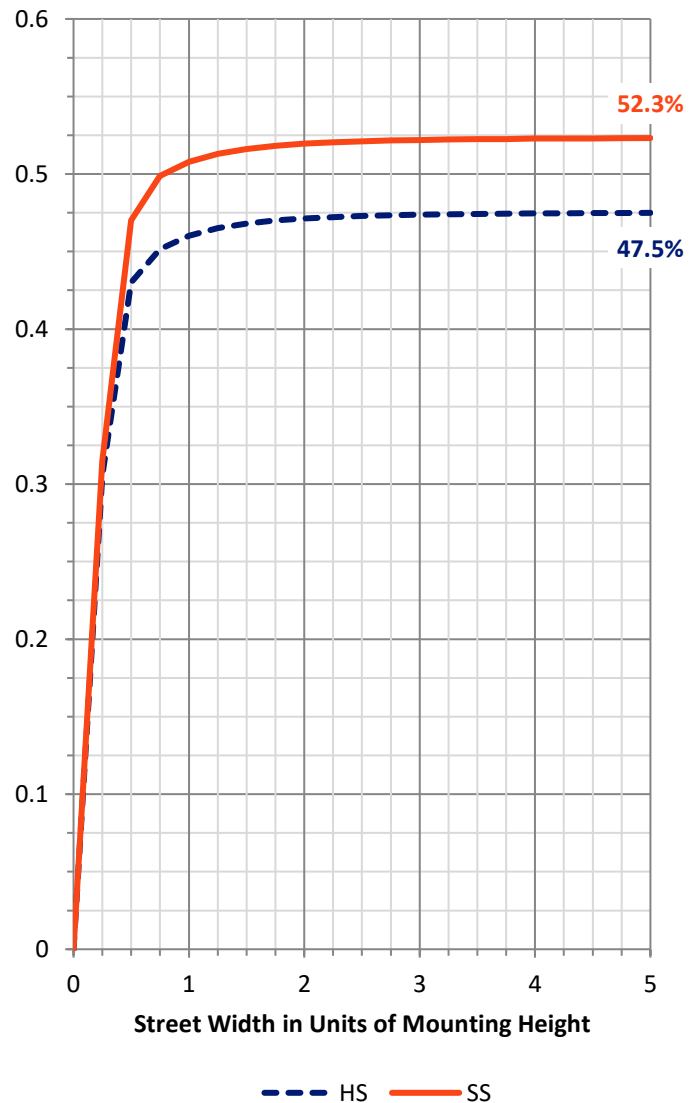
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6195.6	0.0	6195.6
	% Fixture	48.2	0.0	48.2
Street Side	Lumens	6669.6	0.0	6669.6
	% Fixture	51.8	0.0	51.8
Total	Lumens	12865.2	0.0	12865.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2395.9	18.6
10°-20°	5327.5	41.4
20°-30°	3411.9	26.5
30°-40°	760.2	5.9
40°-50°	395.7	3.1
50°-60°	287.8	2.2
60°-70°	185.3	1.4
70°-80°	88.6	0.7
80°-90°	12.2	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	12865.2	100.0
0°-180°	12865.2	100.0

Coefficient of Utilization



REPORT NUMBER: P1440342

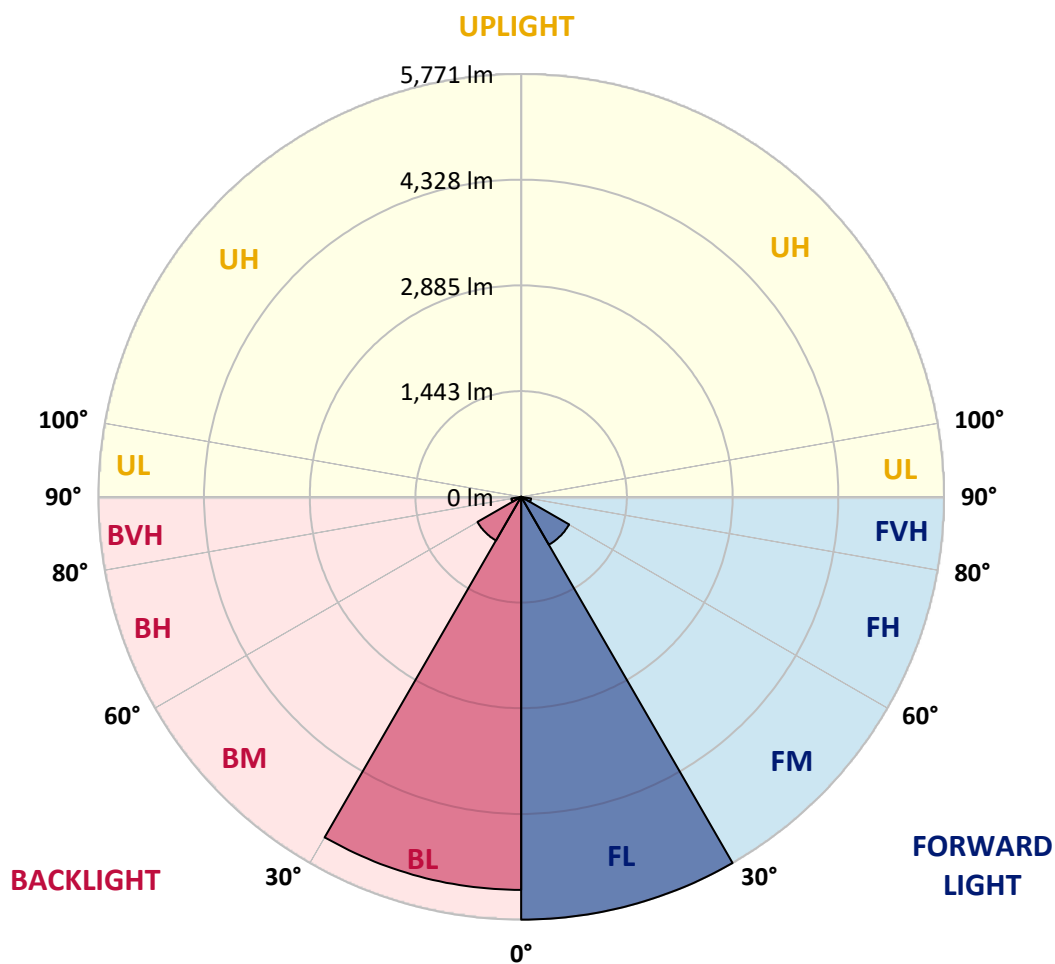
CATALOG NUMBER: XSF200-SFTR-4Hx4V-830-Position 4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5770.5	44.9			
FM	(30°-60°)	755.7	5.9			
FH	(60°-80°)	137.5	1.1			G0/660
FVH	(80°-90°)	5.8	0.0			G0/10
BL	(0°-30°)	5364.7	41.7	B5		
BM	(30°-60°)	688.0	5.3	B1/1000		
BH	(60°-80°)	136.4	1.1	B1/500		G1/500
BVH	(80°-90°)	6.4	0.1			G0/10
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: P1440342

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

CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	27058.6	27058.6	27058.6	27058.6	27058.6	27058.6	27058.6	27058.6	27058.6	27058.6	27058.6
1°	27068.4	27036.2	26984.4	26939.6	26900.4	26859.8	26880.8	26872.4	26859.8	26857.0	26857.0
2°	26939.6	26862.6	26774.4	26721.2	26655.4	26613.4	26543.4	26514.0	26549.0	26535.0	26494.4
3°	26682.0	26581.2	26479.0	26410.4	26330.6	26267.6	26204.6	26155.6	26234.0	26210.2	26131.8
4°	26336.2	26224.2	26105.2	26011.4	25930.2	25844.8	25864.4	25791.6	25753.8	25751.0	25767.8
5°	25937.2	25800.0	25671.2	25559.2	25440.2	25322.6	25343.6	25255.4	25227.4	25240.0	25282.0
6°	25513.0	25364.6	25213.4	25045.4	24885.8	24740.2	24730.4	24652.0	24647.8	24688.4	24797.6
7°	25105.6	24934.8	24724.8	24491.0	24275.4	24097.5	24061.1	23996.7	23986.9	24105.9	24293.6
8°	24722.0	24520.4	24234.8	23907.1	23611.7	23361.1	23316.3	23233.7	23274.3	23474.5	23761.5
9°	24335.6	24107.3	23729.3	23286.9	22878.1	22570.1	22481.9	22427.3	22509.9	22784.3	23197.3
10°	23958.9	23646.7	23197.3	22633.1	22108.1	21731.5	21590.1	21552.3	21702.1	22068.9	22574.3
11°	23517.9	23144.1	22603.7	21940.1	21310.1	20810.2	20643.6	20625.4	20829.8	21272.3	21878.5
12°	22957.9	22561.7	21972.3	21199.5	20475.6	19866.6	19613.2	19609.0	19898.8	20415.4	21091.7
13°	22313.9	21872.9	21223.3	20388.8	19569.8	18858.6	18543.6	18542.2	18900.6	19495.6	20227.8
14°	21571.9	21091.7	20365.0	19502.6	18624.8	17796.0	17398.3	17426.3	17840.8	18498.8	19264.6
15°	20768.2	20225.0	19417.2	18547.8	17574.7	16675.9	16227.9	16253.1	16723.5	17420.7	18207.6
16°	19907.2	19284.2	18381.2	17515.9	16461.7	15504.1	15018.3	15057.5	15544.7	16293.7	17067.9
17°	19023.8	18307.0	17329.7	16400.1	15316.5	14305.6	13821.5	13853.3	14337.8	15103.7	15901.7
18°	18157.2	17301.7	16227.9	15253.5	14134.8	13146.0	12636.4	12651.2	13111.1	13870.8	14692.1
19°	17220.5	16262.9	15088.3	14049.4	12905.7	11971.5	11461.2	11455.9	11872.8	12572.1	13419.8
20°	16222.3	15165.3	13915.2	12763.4	11727.3	10796.6	10308.7	10289.6	10669.9	11266.9	12103.2
21°	15105.1	13959.8	12649.0	11555.7	10549.2	9621.7	9147.9	9119.9	9455.9	9952.6	10703.9
22°	13833.3	12922.3	11380.1	10349.8	9345.2	8450.1	8000.8	7970.3	8256.1	8650.2	9318.7
23°	12409.3	11455.6	10111.3	9104.1	8162.1	7301.9	6875.2	6838.7	7090.7	7396.6	7970.6
24°	10982.8	9977.7	8826.9	7893.3	7008.9	6197.4	5794.9	5748.3	5960.1	6205.4	6702.6
25°	9556.3	8586.3	7574.5	6716.3	5908.7	5189.0	4829.5	4762.0	4919.5	5121.5	5544.0
26°	8113.0	7257.7	6380.8	5616.3	4901.1	4293.5	3992.2	3901.2	4006.5	4168.6	4503.7
27°	6653.3	5982.9	5275.5	4634.7	4034.1	3534.1	3414.0	3327.8	3401.7	3529.5	3642.5
28°	5312.0	4816.6	4285.5	3781.1	3290.2	2899.1	2835.9	2754.2	2797.0	2890.2	3082.3
29°	4211.5	3848.3	3479.1	3081.4	2701.4	2391.6	2258.7	2182.7	2198.1	2257.6	2522.2
30°	3299.5	3060.4	2806.7	2511.8	2222.7	1976.6	1883.9	1814.5	1818.9	1863.5	1965.0
31°	2601.6	2450.9	2278.0	2064.2	1842.6	1651.9	1586.0	1526.6	1528.4	1566.5	1634.0
32°	2066.7	1972.5	1873.7	1715.8	1547.6	1404.5	1355.5	1299.6	1304.6	1338.7	1383.4
33°	1686.8	1623.8	1560.1	1445.4	1314.3	1248.0	1176.9	1126.0	1130.8	1159.9	1194.0
34°	1399.7	1360.4	1325.0	1281.9	1169.4	1093.3	1041.4	990.6	992.5	1023.0	1050.6
35°	1234.7	1207.2	1186.8	1118.7	1025.8	938.6	934.0	884.6	884.1	913.8	941.3
36°	1071.8	1055.9	1049.0	955.5	882.1	846.1	850.1	801.1	799.0	828.9	857.8
37°	908.8	904.6	911.3	855.5	794.7	772.1	782.5	733.7	728.8	758.8	791.1
38°	815.0	814.4	829.7	776.7	724.9	711.4	726.3	677.9	672.6	702.5	738.3
39°	740.6	741.6	765.4	711.3	667.6	660.7	681.0	632.7	625.9	656.4	696.0
40°	679.9	682.8	713.2	656.9	620.7	619.1	643.0	594.9	587.4	618.7	660.7
41°	630.6	634.4	670.1	614.1	581.7	584.2	611.3	563.3	555.0	587.1	631.3
42°	587.9	594.4	633.6	578.2	549.1	554.8	584.9	535.9	527.1	560.5	605.1
43°	552.0	560.4	602.2	547.7	519.9	528.9	561.8	512.7	503.5	537.9	582.2
44°	520.3	531.2	573.9	521.0	494.1	505.8	541.2	492.4	481.6	518.3	562.0

REPORT NUMBER: P1440342

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

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	492.5	505.0	549.1	497.7	471.1	484.9	522.5	473.8	462.0	499.7	541.7
46°	467.3	481.4	526.4	477.4	450.8	466.0	504.3	455.8	443.9	481.4	520.2
47°	445.3	460.1	505.7	459.6	432.2	448.4	484.5	438.3	426.7	462.5	496.4
48°	425.0	440.2	486.2	442.6	414.9	430.2	464.4	421.2	410.6	443.7	472.4
49°	405.3	420.2	465.5	425.8	398.3	412.8	444.7	404.5	395.0	424.6	447.9
50°	386.7	400.6	443.7	409.0	382.5	395.6	424.2	387.8	379.6	405.7	423.8
51°	369.6	381.0	420.5	391.2	367.1	377.9	403.2	371.2	365.0	387.3	400.6
52°	353.6	362.0	397.2	373.7	351.9	359.9	382.7	355.2	350.1	368.7	378.0
53°	338.9	344.2	374.6	355.9	337.0	342.6	363.4	339.2	335.3	350.7	356.3
54°	324.4	326.2	352.4	338.5	322.3	325.9	344.1	324.3	320.9	332.9	335.6
55°	310.2	309.2	331.0	321.3	308.1	310.0	326.3	309.7	307.0	316.0	317.7
56°	296.1	292.9	310.4	304.2	294.3	295.5	311.2	295.1	293.1	299.1	300.4
57°	282.7	277.6	291.3	287.6	281.0	281.8	296.1	280.6	279.2	282.3	283.0
58°	268.5	262.8	274.7	271.4	267.9	268.5	280.9	267.0	266.5	266.0	267.6
59°	255.4	249.1	259.2	255.5	255.4	256.0	267.5	254.1	254.0	250.6	252.8
60°	241.9	235.6	243.9	239.7	242.5	244.0	254.3	241.7	241.5	236.1	238.6
61°	229.2	222.8	229.4	225.1	229.9	232.8	241.9	230.2	228.9	223.2	225.2
62°	217.1	210.9	216.2	212.3	218.4	221.6	231.9	219.6	217.2	211.9	214.5
63°	204.9	199.8	204.4	200.7	206.8	211.4	224.8	209.5	206.0	201.3	205.2
64°	193.2	189.8	195.0	190.3	195.6	201.1	217.6	199.5	195.0	191.0	196.7
65°	181.7	179.8	186.9	180.2	184.5	191.0	208.9	189.2	183.9	180.9	187.2
66°	170.3	170.3	178.8	170.0	173.2	181.1	199.4	178.9	172.5	171.0	175.8
67°	159.2	160.9	168.5	159.8	161.9	171.5	188.9	168.9	160.9	161.5	162.8
68°	148.0	150.9	155.8	149.8	150.0	160.8	177.4	158.2	148.8	151.6	149.2
69°	136.2	141.1	143.3	139.1	137.4	149.5	164.9	147.2	135.7	141.0	140.3
70°	124.9	130.0	132.4	127.9	125.5	138.3	155.4	136.0	122.6	130.0	149.9
71°	113.6	119.4	135.1	116.7	113.6	126.8	170.4	124.5	111.2	118.7	155.8
72°	102.2	108.8	138.0	105.5	101.7	115.2	155.9	113.1	100.8	107.3	144.0
73°	92.4	98.3	141.0	94.2	91.1	103.6	131.4	101.7	90.4	95.4	119.4
74°	83.2	87.3	117.0	83.6	81.1	92.7	110.4	90.8	80.5	84.2	101.7
75°	73.9	76.2	93.7	73.1	71.4	82.0	95.1	80.9	71.3	74.0	88.7
76°	65.1	66.4	77.5	63.4	62.4	71.4	83.6	72.0	62.2	64.0	77.0
77°	56.4	56.8	65.4	54.5	54.0	60.9	73.7	62.3	53.8	54.1	66.4
78°	47.7	47.1	55.3	45.8	45.7	51.0	64.6	52.2	45.6	45.0	56.3
79°	39.3	38.0	46.2	37.4	38.1	41.9	55.3	43.1	37.9	37.4	47.5
80°	31.5	29.9	37.1	29.8	30.9	33.9	46.2	35.8	31.3	29.8	38.7
81°	24.5	22.8	28.2	23.1	24.2	26.7	37.7	28.4	24.7	22.2	31.2
82°	18.0	16.7	20.8	16.9	18.3	20.4	30.4	21.1	18.1	16.8	23.7
83°	14.4	13.3	14.2	13.2	14.0	15.6	23.1	16.3	14.3	13.1	16.2
84°	10.8	10.1	9.5	9.5	11.0	11.9	15.9	13.4	11.4	10.6	11.5
85°	7.2	6.8	4.7	5.9	7.9	8.2	9.9	9.9	8.2	7.4	6.8
86°	1.5	1.6	1.6	2.7	3.5	4.6	5.1	5.4	4.3	3.9	3.2
87°	0.4	0.4	0.4	0.6	1.0	1.5	2.0	1.7	1.4	1.6	1.3
88°	0.2	0.2	0.2	0.2	0.3	0.4	0.6	0.6	0.6	0.6	0.6
89°	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3

REPORT NUMBER: P1440342

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

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1440342

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P1440342
CATALOG NUMBER: XSF200-SFTR-4Hx4V-830-Position 4

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1440342

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

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	27058.6	27058.6	27058.6	27058.6	27058.6	27058.6	27058.6	27058.6	27058.6	27058.6	27058.6
1°	26894.8	26914.4	26962.0	27002.6	27048.8	27086.6	27120.2	27160.8	27187.4	27197.2	27187.4
2°	26533.6	26571.4	26652.6	26827.6	26939.6	27051.6	27142.6	27221.0	27257.4	27254.6	27198.6
3°	26172.4	26228.4	26343.2	26528.0	26682.0	26924.2	27099.2	27208.4	27260.2	27228.0	27103.4
4°	25809.8	25885.4	26032.4	26227.0	26425.8	26703.0	26992.8	27144.0	27204.2	27127.2	26932.6
5°	25364.6	25452.8	25604.0	25837.8	26168.2	26481.8	26841.6	27037.6	27090.8	26938.2	26676.4
6°	24909.6	25031.4	25188.2	25429.0	25798.6	26257.8	26558.8	26854.2	26892.0	26707.2	26372.6
7°	24470.0	24624.0	24806.0	25046.8	25422.0	25885.4	26274.6	26579.8	26627.4	26399.2	26024.0
8°	24027.5	24233.4	24435.0	24674.4	25023.0	25499.0	25990.4	26241.0	26280.2	26038.0	25639.0
9°	23559.9	23810.5	24042.9	24297.8	24625.4	25056.6	25543.8	25815.4	25844.8	25601.2	25230.2
10°	23026.5	23331.7	23611.7	23905.7	24192.8	24563.8	25011.8	25286.2	25349.2	25104.2	24800.4
11°	22402.1	22750.7	23099.3	23460.5	23737.7	24009.3	24400.0	24653.4	24715.0	24535.8	24342.6
12°	21685.3	22066.1	22469.3	22924.3	23219.7	23389.1	23695.7	23916.9	24010.7	23911.3	23862.3
13°	20863.4	21259.7	21732.9	22297.1	22635.9	22703.1	22911.7	23096.5	23216.9	23201.5	23298.1
14°	19947.8	20365.0	20891.4	21571.9	21948.5	21956.9	22074.5	22200.5	22346.1	22425.9	22679.3
15°	18962.2	19466.2	19998.2	20730.4	21160.3	21137.9	21157.5	21212.1	21385.7	21599.9	21968.1
16°	17936.0	18540.8	19084.0	19786.8	20240.4	20199.8	20167.6	20138.2	20358.0	20694.0	21165.9
17°	16904.1	17633.5	18167.0	18785.8	19225.4	19203.0	19095.2	18981.8	19259.0	19714.0	20230.6
18°	15798.1	16675.9	17235.9	17712.0	18076.0	18088.6	17931.8	17734.4	18034.0	18622.0	19161.0
19°	14592.7	15621.7	16212.5	16591.9	16838.3	16890.1	16638.1	16419.7	16761.3	17451.5	17997.6
20°	13296.6	14410.6	15075.7	15359.9	15492.9	15581.1	15330.5	15051.9	15406.1	16162.1	16692.7
21°	11883.1	13071.8	13750.5	14018.6	14078.8	14213.2	13919.4	13673.7	14036.8	14798.5	15327.7
22°	10428.2	11590.4	12308.3	12548.9	12611.5	12789.0	12536.8	12287.9	12657.0	13399.3	13902.7
23°	8962.7	10061.3	10763.5	11009.9	11099.7	11328.5	11104.6	10902.0	11276.7	11967.7	12417.8
24°	7552.0	8511.7	9198.3	9462.5	9594.5	9888.9	9705.7	9516.2	9896.2	10535.5	10932.4
25°	6212.4	7008.9	7649.7	7961.9	8146.9	8452.1	8324.0	8142.7	8536.8	9103.2	9446.9
26°	5013.3	5631.8	6212.0	6563.8	6789.9	7072.7	6952.5	6814.6	7197.5	7742.0	8031.2
27°	3998.8	4443.9	4945.9	5341.2	5553.4	5775.5	5681.4	5554.4	5910.7	6411.8	6696.0
28°	3342.2	3692.5	3876.0	4246.2	4467.8	4604.2	4524.1	4440.5	4741.4	5185.9	5461.1
29°	2685.6	2941.1	3231.3	3553.6	3558.5	3632.7	3568.7	3511.6	3743.6	4112.8	4376.4
30°	2034.3	2192.0	2586.4	2860.8	2923.9	2956.3	2916.4	2783.1	2938.0	3218.3	3441.2
31°	1666.2	1780.2	1951.9	2176.1	2290.1	2283.6	2264.6	2232.6	2335.0	2529.9	2716.6
32°	1389.6	1470.9	1597.9	1776.0	1859.7	1844.3	1830.7	1820.2	1885.7	2013.0	2154.7
33°	1186.3	1241.9	1340.9	1481.4	1540.3	1513.0	1510.5	1515.4	1556.0	1634.1	1738.7
34°	1033.8	1070.7	1144.6	1262.8	1296.6	1270.6	1274.3	1281.5	1311.1	1357.5	1430.7
35°	914.4	938.6	998.2	1098.5	1114.3	1087.6	1096.9	1135.0	1167.0	1200.1	1259.1
36°	824.2	838.0	887.0	976.9	975.0	950.8	962.8	989.8	1024.3	1044.4	1089.0
37°	750.7	759.4	798.6	882.5	868.9	846.8	860.7	891.1	881.6	888.6	918.9
38°	692.1	696.3	729.6	810.7	786.2	764.2	778.6	816.2	799.5	799.8	823.3
39°	644.2	645.5	674.7	754.1	720.5	700.6	713.2	754.4	732.5	727.7	748.5
40°	605.2	603.0	630.0	708.4	667.5	646.7	659.4	703.9	677.6	668.8	687.8
41°	572.6	567.4	592.8	670.5	624.0	603.0	615.2	662.1	632.5	619.5	639.2
42°	544.8	536.5	562.0	637.6	588.9	565.4	577.3	627.7	593.4	577.6	598.4
43°	521.1	510.2	535.6	608.7	559.1	533.9	545.1	598.8	560.2	542.3	564.6
44°	500.1	486.8	512.8	583.4	533.1	506.2	517.5	573.3	531.7	511.6	535.7

REPORT NUMBER: P1440342

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

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	480.9	466.1	493.1	560.8	510.3	481.2	493.0	551.6	507.1	485.4	510.8
46°	462.4	446.8	475.1	539.6	490.3	458.9	471.8	531.8	484.9	461.2	488.7
47°	443.5	428.3	457.1	519.1	471.7	438.7	452.6	513.4	465.2	439.7	469.0
48°	424.4	411.3	439.1	497.0	453.9	420.1	435.8	496.3	447.3	420.6	451.1
49°	405.5	395.0	420.9	472.7	435.5	403.2	420.8	479.1	431.5	403.9	434.8
50°	386.7	379.1	402.8	448.4	416.4	387.1	404.9	460.4	416.7	387.7	419.3
51°	368.2	364.1	385.1	423.4	397.3	371.1	389.2	439.4	400.2	372.5	403.3
52°	350.0	348.6	367.5	399.5	378.4	355.5	372.5	418.2	383.0	357.3	386.6
53°	332.4	334.2	349.2	376.2	359.2	340.7	356.3	395.7	366.0	342.7	369.7
54°	316.1	320.5	331.8	353.3	340.0	325.8	340.1	373.2	349.0	328.5	351.8
55°	300.3	306.5	315.0	331.2	321.1	311.4	324.4	350.6	331.2	314.0	333.7
56°	284.6	292.5	298.1	312.4	304.2	296.9	308.6	329.5	314.2	299.7	314.7
57°	270.8	278.6	281.3	293.6	287.4	282.5	292.8	309.7	297.2	285.6	296.9
58°	257.1	265.8	265.5	274.9	270.5	268.8	277.0	292.6	281.8	271.8	280.0
59°	243.4	253.1	249.4	259.0	255.6	255.7	262.5	276.9	267.0	258.3	263.7
60°	230.3	240.7	233.9	243.4	240.6	242.7	248.1	262.7	252.5	245.3	247.5
61°	218.7	228.5	220.4	228.7	226.8	230.5	234.6	248.6	238.4	232.5	231.5
62°	208.5	216.6	209.0	216.4	214.0	218.6	222.3	235.7	225.4	220.3	216.8
63°	198.9	205.0	199.0	205.9	202.6	207.1	211.7	225.0	213.8	208.3	203.8
64°	189.5	193.6	189.6	197.9	192.1	195.8	202.1	217.6	203.5	196.9	192.8
65°	180.2	181.7	180.3	189.8	182.4	185.0	192.9	212.5	193.5	186.2	183.0
66°	170.3	170.3	170.9	180.9	172.8	174.0	183.7	206.5	184.0	175.3	173.3
67°	160.3	159.3	161.5	170.0	163.2	163.0	173.7	198.6	174.1	164.6	163.8
68°	150.0	147.6	151.4	157.1	153.9	151.9	163.9	189.3	164.7	153.6	154.5
69°	139.4	134.9	140.8	144.8	144.0	140.1	153.9	178.4	154.9	142.3	144.7
70°	128.7	122.9	130.3	138.4	133.4	127.8	143.4	166.5	144.6	129.7	134.5
71°	117.9	112.1	119.6	140.6	122.7	116.3	132.5	154.4	134.2	118.8	123.5
72°	106.8	102.2	108.8	147.1	111.6	105.8	121.2	153.3	122.9	108.0	112.5
73°	95.8	92.8	98.1	130.6	100.4	95.4	109.6	148.4	111.6	97.3	101.5
74°	85.0	83.5	87.0	106.4	89.2	85.3	98.2	126.3	100.2	87.1	90.5
75°	74.8	74.2	76.5	89.8	78.5	75.8	87.5	107.6	88.6	77.3	79.6
76°	65.1	65.3	66.8	76.7	68.2	66.7	77.0	89.0	78.2	68.0	69.3
77°	55.8	56.7	57.4	66.2	58.2	58.0	67.7	76.4	68.9	59.1	59.8
78°	46.9	48.4	48.2	56.6	48.7	49.7	58.3	65.9	58.5	50.6	50.6
79°	38.8	40.7	39.7	47.9	39.9	41.8	48.8	56.1	48.4	42.5	41.6
80°	32.1	33.9	32.9	39.6	32.9	34.8	39.8	47.1	39.3	35.0	33.7
81°	25.5	27.2	26.1	32.2	25.8	27.8	32.9	38.6	31.1	27.9	26.6
82°	18.9	20.6	19.4	24.7	18.8	20.9	25.9	30.7	24.1	21.4	20.0
83°	16.4	17.8	16.5	17.4	14.8	16.1	19.0	23.8	18.1	16.0	14.1
84°	15.7	17.4	16.1	13.0	13.6	14.1	15.8	17.2	15.1	12.7	11.0
85°	12.5	13.8	13.1	8.1	11.2	11.8	13.2	12.4	11.1	9.5	8.0
86°	6.5	7.0	7.5	4.1	6.9	7.8	8.6	7.6	7.0	6.2	4.6
87°	1.9	1.9	2.3	1.7	2.8	2.4	3.1	2.8	3.0	2.2	1.4
88°	0.7	0.8	0.8	0.8	0.8	0.9	1.3	0.9	0.9	0.6	0.3
89°	0.3	0.3	0.3	0.3	0.4	0.4	0.3	0.2	0.2	0.2	0.1

REPORT NUMBER: P1440342

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

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1440342

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P1440342
CATALOG NUMBER: XSF200-SFTR-4Hx4V-830-Position 4

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: P1440342

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	27058.6	27058.6	27058.6
1°	27155.2	27114.6	27068.4
2°	27120.2	27029.2	26939.6
3°	26969.0	26819.2	26682.0
4°	26711.4	26500.0	26336.2
5°	26392.2	26137.4	25937.2
6°	26015.6	25718.8	25513.0
7°	25627.8	25319.8	25105.6
8°	25251.2	24941.8	24722.0
9°	24862.0	24580.6	24335.6
10°	24492.4	24215.2	23958.9
11°	24108.7	23818.9	23517.9
12°	23691.5	23342.9	22957.9
13°	23181.9	22760.5	22313.9
14°	22572.9	22073.1	21571.9
15°	21871.5	21315.7	20768.2
16°	21062.3	20499.4	19907.2
17°	20169.0	19623.0	19023.8
18°	19194.6	18718.6	18157.2
19°	18141.8	17804.4	17220.5
20°	16958.7	16822.9	16222.3
21°	15733.7	15742.1	15105.1
22°	14385.4	14517.1	13833.3
23°	12988.2	13156.2	12409.3
24°	11481.9	11648.2	10982.8
25°	9974.9	10139.5	9556.3
26°	8468.0	8630.7	8113.0
27°	7038.2	7130.6	6653.3
28°	5704.6	5693.7	5312.0
29°	4541.5	4470.6	4211.5
30°	3554.2	3475.7	3299.5
31°	2787.8	2708.9	2601.6
32°	2208.3	2144.4	2066.7
33°	1776.0	1729.8	1686.8
34°	1466.1	1428.6	1399.7
35°	1296.1	1259.3	1234.7
36°	1128.3	1091.7	1071.8
37°	960.6	924.2	908.8
38°	868.1	829.9	815.0
39°	799.5	755.0	740.6
40°	743.4	694.1	679.9
41°	700.0	645.2	630.6
42°	663.5	603.8	587.9
43°	632.5	568.6	552.0
44°	604.6	538.1	520.3

REPORT NUMBER: P1440342

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	579.1	511.1	492.5
46°	555.0	486.9	467.3
47°	533.0	465.2	445.3
48°	512.2	446.5	425.0
49°	492.0	428.8	405.3
50°	471.5	411.8	386.7
51°	450.1	395.2	369.6
52°	426.4	378.0	353.6
53°	402.0	361.4	338.9
54°	376.9	344.6	324.4
55°	352.6	327.6	310.2
56°	328.3	310.5	296.1
57°	306.4	293.2	282.7
58°	286.2	275.9	268.5
59°	268.0	258.5	255.4
60°	252.4	242.3	241.9
61°	237.2	226.9	229.2
62°	222.5	212.8	217.1
63°	209.4	200.5	204.9
64°	198.7	190.1	193.2
65°	189.3	180.4	181.7
66°	181.9	171.3	170.3
67°	173.7	162.0	159.2
68°	162.0	152.1	148.0
69°	148.9	142.3	136.2
70°	137.0	131.8	124.9
71°	136.1	121.1	113.6
72°	135.5	110.5	102.2
73°	134.8	99.9	92.4
74°	122.6	89.5	83.2
75°	100.2	79.4	73.9
76°	82.4	68.6	65.1
77°	69.4	58.9	56.4
78°	58.6	49.7	47.7
79°	49.0	40.4	39.3
80°	39.7	31.9	31.5
81°	30.6	24.4	24.5
82°	22.8	17.9	18.0
83°	16.1	14.6	14.4
84°	11.5	11.3	10.8
85°	7.0	8.0	7.2
86°	2.5	2.3	1.5
87°	0.5	0.4	0.4
88°	0.2	0.2	0.2
89°	0.1	0.1	0.1

REPORT NUMBER: P1440342

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

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1440342

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

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1440342

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)