

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: P1440349

Luminaire Tested: XSF200-SFTR-4Hx4V-850-Position 3

Issue Date: 04/15/2026

Test Information

Test Method: LM-79-2024
Report Number: P1440349
Test Lab: THIRD PARTY NVLAP
Issue Date: 7/15/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XSF200-SFTR-4Hx4V-850-Position 3
Description: LUMARK ALL SELECTABLE LUMINAIRE 200W w/ NEMA 4 FLOOD DISTRIBUTION 5000K CCT
80 CRI LIGHT ENGINE AT Position 3
Light Source: (1) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19984.8 lumens
Efficiency: N/A
Efficacy: 167.9 lumens/watt
Luminous Opening: Rectangular (W 0.42' x L: 0.42' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 119
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

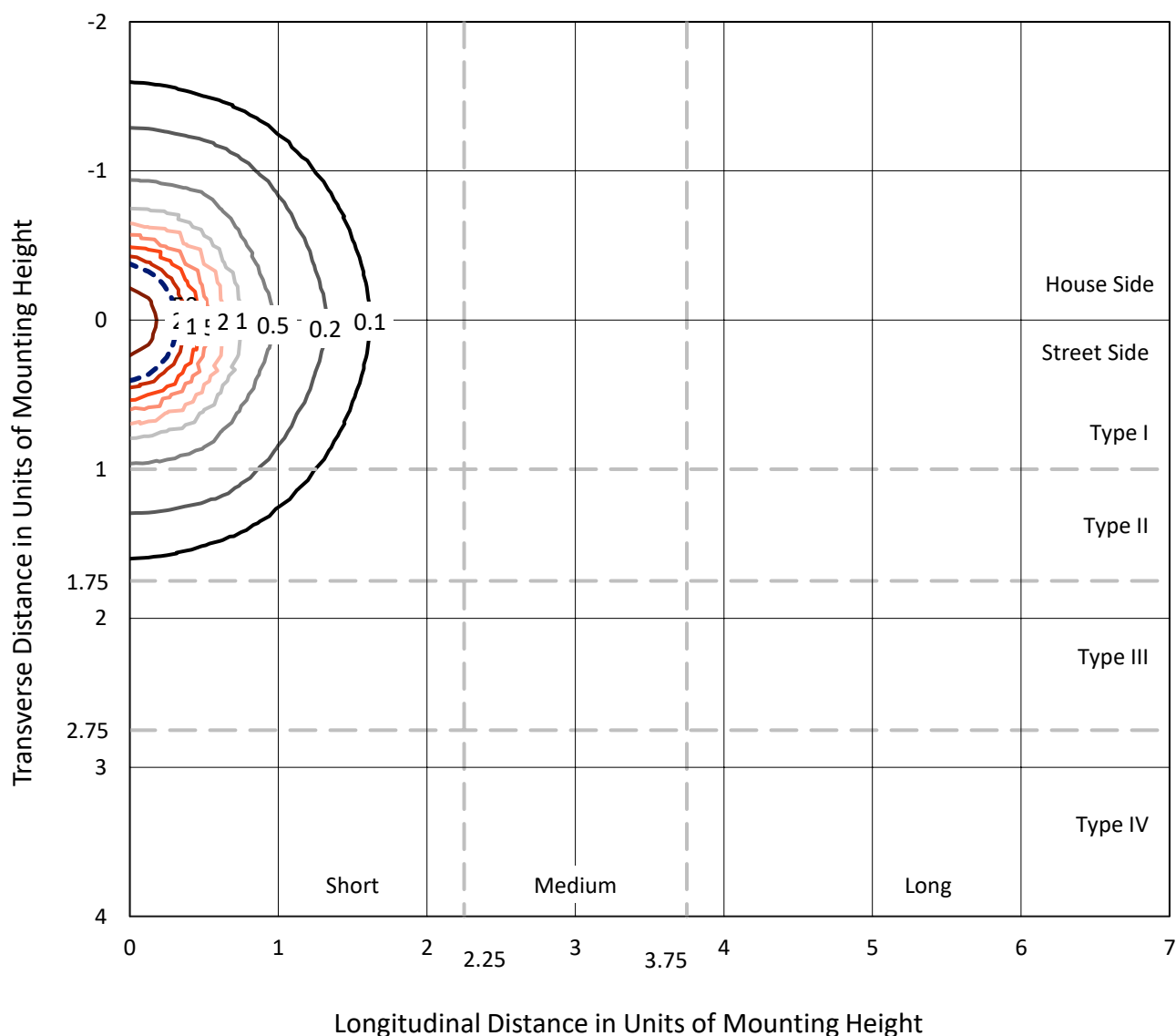
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



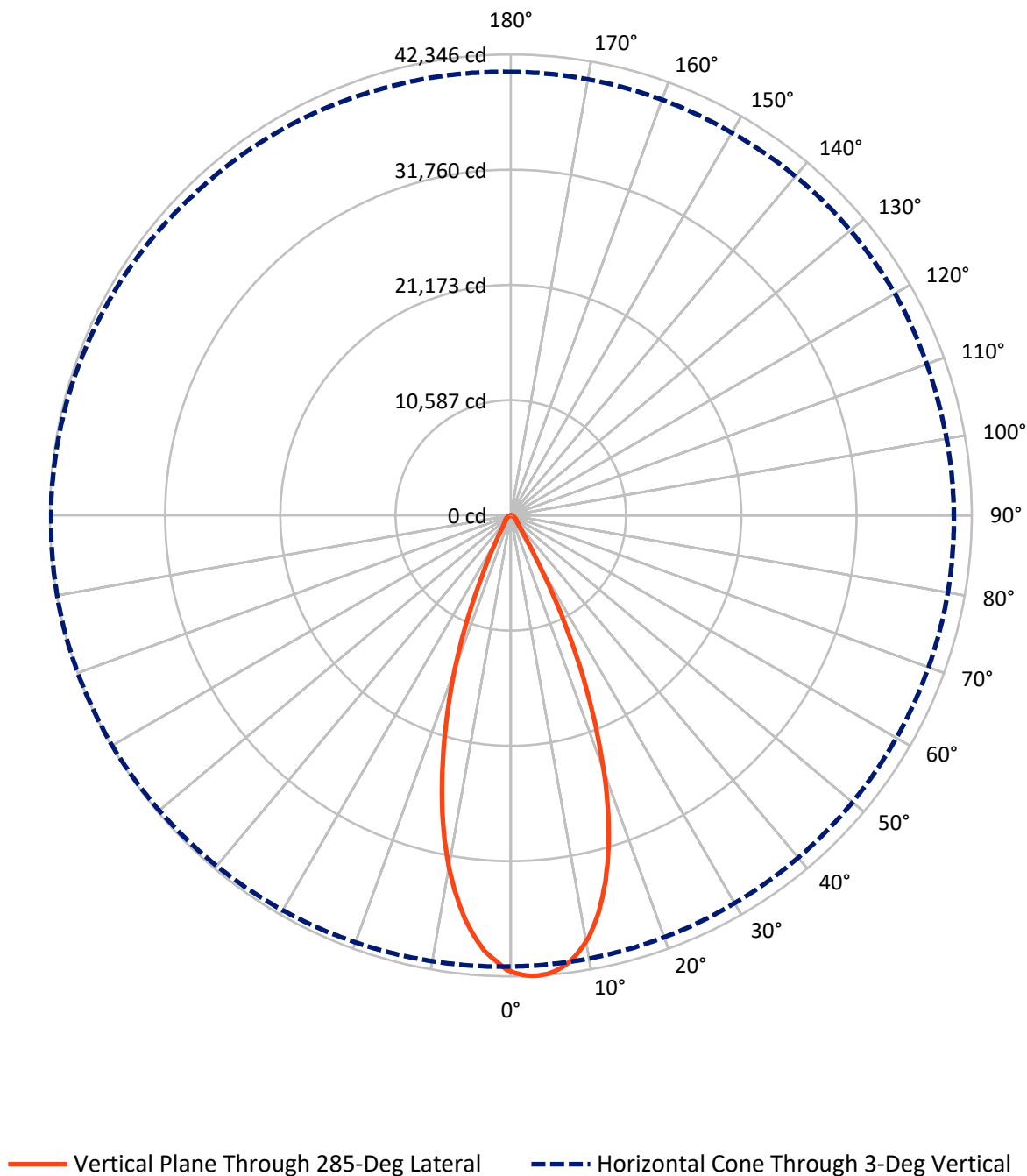
Based on 25 foot mounting height. Maximum calculated value = 67.3 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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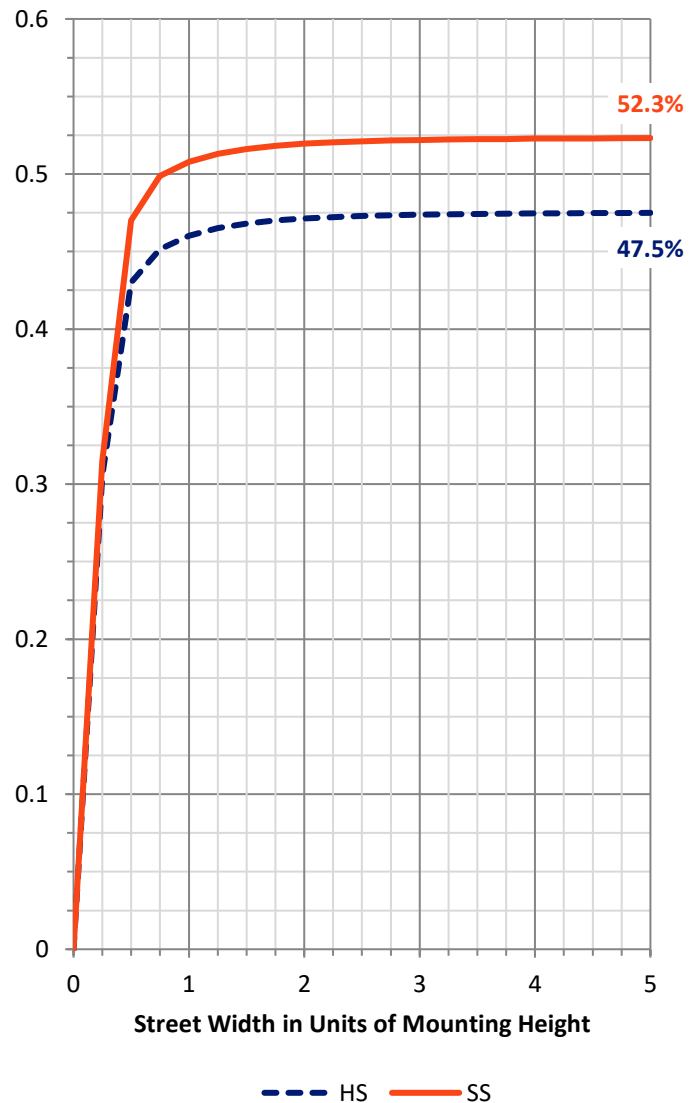
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9624.3	0.0	9624.3
	% Fixture	48.2	0.0	48.2
Street Side	Lumens	10360.5	0.0	10360.5
	% Fixture	51.8	0.0	51.8
Total	Lumens	19984.8	0.0	19984.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3721.8	18.6
10°-20°	8275.7	41.4
20°-30°	5300.0	26.5
30°-40°	1180.9	5.9
40°-50°	614.7	3.1
50°-60°	447.0	2.2
60°-70°	287.9	1.4
70°-80°	137.7	0.7
80°-90°	19.0	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°	19984.8	100.0
0°-180°	19984.8	100.0

Coefficient of Utilization



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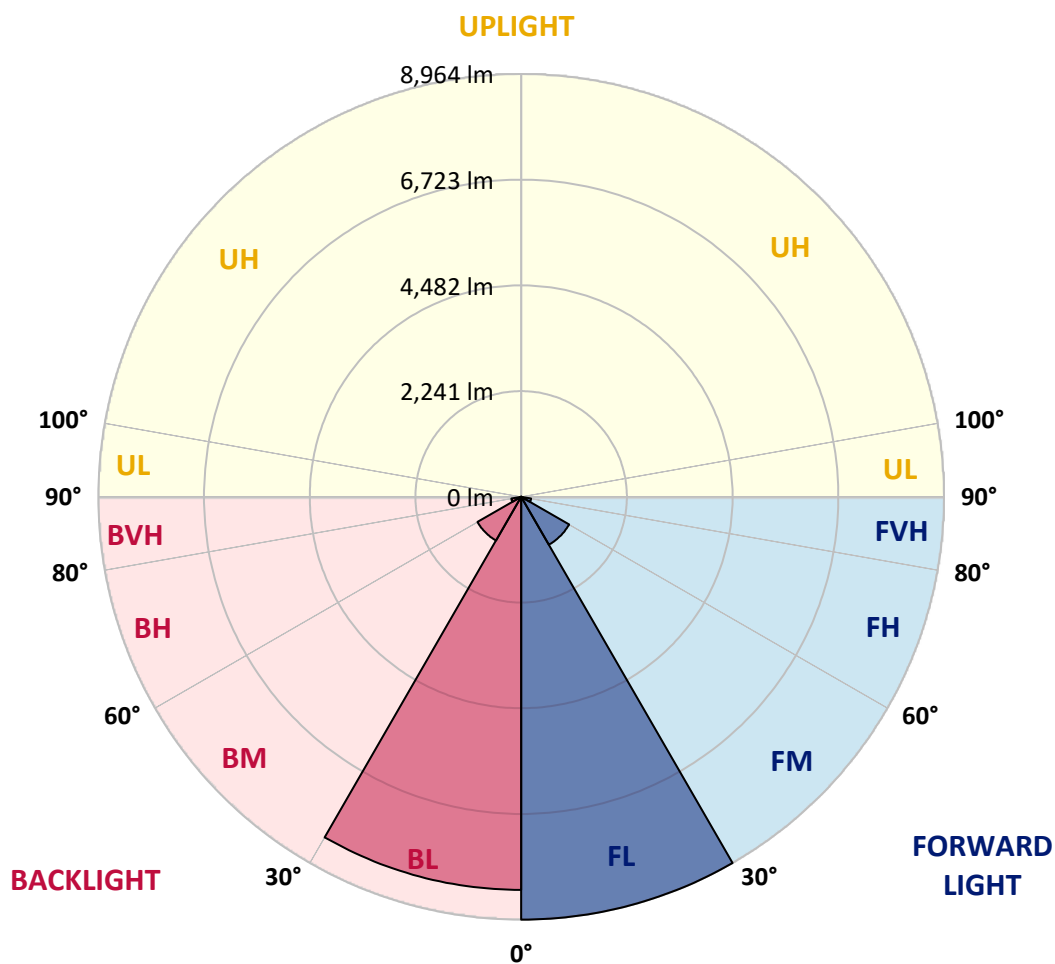
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	8963.9	44.9			
FM	(30°-60°)	1174.0	5.9			
FH	(60°-80°)	213.7	1.1			G0/660
FVH	(80°-90°)	9.0	0.0			G0/10
BL	(0°-30°)	8333.6	41.7	B5		
BM	(30°-60°)	1068.7	5.3	B2/2500		
BH	(60°-80°)	212.0	1.1	B1/500		G1/500
BVH	(80°-90°)	10.0	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	42033.0	42033.0	42033.0	42033.0	42033.0	42033.0	42033.0	42033.0	42033.0	42033.0	42033.0
1°	42048.3	41998.2	41917.8	41848.2	41787.3	41724.2	41756.8	41743.8	41724.2	41719.9	41719.9
2°	41848.2	41728.6	41591.6	41508.9	41406.7	41341.4	41232.7	41187.0	41241.4	41219.7	41156.6
3°	41448.0	41291.4	41132.7	41026.1	40902.1	40804.3	40706.4	40630.3	40752.1	40715.1	40593.3
4°	40910.8	40736.8	40552.0	40406.3	40280.1	40147.5	40177.9	40064.8	40006.1	40001.7	40027.8
5°	40291.0	40077.9	39877.8	39703.8	39518.9	39336.2	39368.9	39231.9	39188.4	39207.9	39273.2
6°	39632.0	39401.5	39166.6	38905.6	38657.7	38431.5	38416.3	38294.5	38288.0	38351.0	38520.7
7°	38999.1	38733.8	38407.6	38044.4	37709.5	37433.3	37376.7	37276.7	37261.5	37446.3	37737.7
8°	38403.2	38090.1	37646.4	37137.5	36678.6	36289.3	36219.7	36091.4	36154.5	36465.5	36911.3
9°	37803.0	37448.5	36861.3	36174.0	35539.0	35060.5	34923.5	34838.7	34967.0	35393.3	36034.8
10°	37218.0	36733.0	36034.8	35158.4	34342.8	33757.8	33538.1	33479.4	33712.1	34281.9	35067.0
11°	36532.9	35952.2	35112.7	34081.8	33103.2	32326.8	32067.9	32039.7	32357.2	33044.4	33986.2
12°	35663.0	35047.5	34131.9	32931.4	31807.0	30860.9	30467.3	30460.7	30910.9	31713.4	32763.9
13°	34662.5	33977.5	32968.3	31672.1	30399.8	29295.0	28805.7	28803.5	29360.3	30284.6	31422.0
14°	33509.9	32763.9	31635.2	30295.5	28931.8	27644.3	27026.7	27070.2	27713.9	28736.1	29925.7
15°	32261.5	31417.7	30162.8	28812.2	27300.7	25904.5	25208.5	25247.7	25978.4	27061.5	28283.7
16°	30924.0	29956.2	28553.4	27209.4	25571.7	24084.1	23329.5	23390.4	24147.2	25310.7	26513.4
17°	29551.7	28438.1	26920.1	25476.0	23792.7	22222.5	21470.4	21519.8	22272.5	23462.1	24701.8
18°	28205.4	26876.6	25208.5	23694.8	21957.1	20421.1	19629.4	19652.5	20366.9	21547.0	22822.7
19°	26750.5	25262.9	23438.2	21824.5	20047.8	18596.6	17803.9	17795.6	18443.3	19529.6	20846.4
20°	25199.8	23557.8	21615.9	19826.7	18217.3	16771.5	16013.5	15984.0	16574.6	17502.0	18801.2
21°	23464.3	21685.3	19649.0	17950.7	16387.2	14946.3	14210.4	14166.9	14688.8	15460.5	16627.5
22°	21488.7	20073.5	17677.9	16077.5	14516.8	13126.4	12428.5	12381.1	12825.0	13437.2	14475.7
23°	19276.7	17795.2	15706.9	14142.3	12679.1	11342.9	10680.0	10623.2	11014.7	11489.9	12381.6
24°	17060.7	15499.4	13711.7	12261.5	10887.7	9627.1	9001.9	8929.4	9258.5	9639.5	10411.8
25°	14844.8	13338.0	11766.3	10433.1	9178.7	8060.6	7502.1	7397.3	7641.9	7955.8	8612.1
26°	12602.7	11274.1	9912.0	8724.4	7613.4	6669.6	6201.5	6060.2	6223.7	6475.6	6996.0
27°	10335.3	9293.9	8195.0	7199.6	6266.6	5489.9	5303.3	5169.4	5284.2	5482.8	5658.3
28°	8251.8	7482.1	6657.2	5873.6	5111.1	4503.4	4405.3	4278.3	4344.9	4489.7	4788.1
29°	6542.1	5978.0	5404.5	4786.6	4196.3	3715.1	3508.7	3390.6	3414.5	3506.9	3918.0
30°	5125.4	4754.0	4359.9	3901.9	3452.8	3070.4	2926.5	2818.6	2825.5	2894.7	3052.4
31°	4041.3	3807.3	3538.7	3206.6	2862.3	2566.1	2463.7	2371.4	2374.3	2433.4	2538.3
32°	3210.5	3064.1	2910.6	2665.3	2404.1	2181.8	2105.6	2018.8	2026.6	2079.6	2149.0
33°	2620.2	2522.4	2423.4	2245.3	2041.6	1938.7	1828.1	1749.2	1756.5	1801.7	1854.8
34°	2174.2	2113.2	2058.3	1991.3	1816.6	1698.4	1617.7	1538.8	1541.8	1589.2	1632.1
35°	1918.0	1875.3	1843.5	1737.8	1593.4	1458.1	1450.9	1374.1	1373.4	1419.6	1462.2
36°	1664.9	1640.2	1629.6	1484.2	1370.3	1314.4	1320.5	1244.4	1241.2	1287.6	1332.5
37°	1411.8	1405.1	1415.6	1328.9	1234.6	1199.4	1215.6	1139.8	1132.0	1178.7	1228.9
38°	1265.9	1265.0	1288.9	1206.5	1126.0	1105.1	1128.2	1053.0	1044.8	1091.3	1146.9
39°	1150.5	1152.1	1188.9	1105.0	1037.0	1026.4	1057.9	982.9	972.3	1019.6	1081.2
40°	1056.2	1060.6	1107.9	1020.5	964.3	961.7	998.9	924.2	912.5	961.1	1026.3
41°	979.5	985.5	1040.9	953.9	903.7	907.4	949.6	875.0	862.1	912.0	980.7
42°	913.3	923.3	984.3	898.1	852.9	861.9	908.5	832.5	818.8	870.8	940.0
43°	857.4	870.5	935.4	850.8	807.7	821.5	872.7	796.4	782.1	835.6	904.4
44°	808.2	825.2	891.5	809.4	767.6	785.7	840.7	764.8	748.1	805.2	873.1

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CATALOG NUMBER: XSF200-SFTR-4Hx4V-850-Position 3

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	765.1	784.4	853.0	773.1	731.9	753.2	811.6	736.1	717.6	776.2	841.6
46°	725.8	747.8	817.7	741.5	700.3	723.9	783.4	708.0	689.6	747.8	808.1
47°	691.7	714.7	785.5	714.0	671.4	696.5	752.7	680.8	662.9	718.4	771.0
48°	660.2	683.8	755.3	687.6	644.6	668.2	721.4	654.2	637.8	689.3	733.8
49°	629.6	652.7	723.2	661.5	618.8	641.3	690.8	628.3	613.6	659.6	695.8
50°	600.7	622.3	689.2	635.3	594.3	614.5	659.0	602.5	589.6	630.2	658.4
51°	574.2	591.9	653.2	607.7	570.2	587.0	626.4	576.6	566.9	601.6	622.3
52°	549.2	562.3	617.0	580.4	546.6	559.0	594.5	551.8	543.8	572.8	587.2
53°	526.4	534.6	581.9	552.9	523.5	532.3	564.5	527.0	520.9	544.8	553.5
54°	503.9	506.7	547.4	525.8	500.6	506.2	534.5	503.8	498.5	517.1	521.3
55°	481.8	480.3	514.1	499.1	478.6	481.6	506.9	481.1	476.9	490.8	493.6
56°	460.0	455.0	482.2	472.6	457.2	459.0	483.4	458.5	455.3	464.7	466.6
57°	439.1	431.3	452.6	446.8	436.4	437.7	459.9	435.8	433.7	438.6	439.7
58°	417.1	408.2	426.7	421.5	416.2	417.1	436.4	414.8	414.0	413.2	415.7
59°	396.8	386.9	402.6	396.8	396.8	397.7	415.5	394.8	394.6	389.3	392.6
60°	375.7	365.9	378.9	372.4	376.7	379.1	395.0	375.4	375.1	366.7	370.7
61°	356.1	346.2	356.3	349.7	357.2	361.6	375.7	357.6	355.7	346.7	349.8
62°	337.2	327.7	335.8	329.8	339.2	344.3	360.3	341.1	337.4	329.2	333.1
63°	318.3	310.4	317.6	311.8	321.2	328.3	349.1	325.4	320.0	312.7	318.7
64°	300.2	294.8	302.9	295.5	303.8	312.4	338.1	309.9	302.8	296.8	305.6
65°	282.3	279.4	290.3	279.9	286.6	296.7	324.4	293.9	285.7	281.0	290.8
66°	264.5	264.6	277.8	264.2	269.1	281.3	309.8	277.9	268.0	265.7	273.1
67°	247.3	250.0	261.7	248.3	251.5	266.4	293.4	262.3	250.0	250.9	252.9
68°	229.9	234.4	242.0	232.8	233.0	249.8	275.6	245.8	231.2	235.4	231.8
69°	211.6	219.1	222.6	216.0	213.5	232.2	256.2	228.7	210.8	219.0	217.9
70°	194.0	201.9	205.7	198.7	195.0	214.9	241.5	211.3	190.5	202.0	232.9
71°	176.4	185.5	209.8	181.3	176.5	196.9	264.7	193.4	172.8	184.4	242.1
72°	158.8	169.1	214.4	163.9	158.1	178.9	242.2	175.6	156.6	166.7	223.7
73°	143.6	152.7	219.0	146.3	141.5	161.0	204.1	158.0	140.4	148.2	185.4
74°	129.2	135.6	181.7	129.9	125.9	144.0	171.6	141.1	125.1	130.7	158.0
75°	114.8	118.4	145.5	113.5	111.0	127.4	147.7	125.7	110.8	114.9	137.8
76°	101.2	103.1	120.4	98.5	97.0	111.0	129.9	111.8	96.7	99.3	119.5
77°	87.5	88.3	101.6	84.6	83.8	94.6	114.5	96.7	83.6	84.0	103.1
78°	74.1	73.2	86.0	71.2	71.1	79.2	100.4	81.2	70.8	69.8	87.4
79°	61.1	59.1	71.7	58.1	59.1	65.1	86.0	67.0	58.9	58.0	73.8
80°	48.9	46.5	57.7	46.4	47.9	52.6	71.8	55.6	48.6	46.2	60.1
81°	38.1	35.4	43.8	35.9	37.6	41.4	58.6	44.2	38.4	34.5	48.5
82°	28.0	25.9	32.3	26.3	28.5	31.7	47.2	32.8	28.1	26.1	36.8
83°	22.3	20.7	22.1	20.5	21.8	24.3	35.9	25.3	22.2	20.4	25.2
84°	16.8	15.7	14.7	14.8	17.0	18.5	24.6	20.7	17.8	16.4	17.9
85°	11.2	10.6	7.3	9.2	12.3	12.8	15.3	15.4	12.7	11.5	10.6
86°	2.4	2.4	2.5	4.2	5.5	7.1	8.0	8.3	6.7	6.0	5.0
87°	0.6	0.6	0.6	0.9	1.6	2.3	3.2	2.7	2.2	2.4	2.1
88°	0.3	0.3	0.3	0.3	0.4	0.6	0.9	0.9	1.0	1.0	1.0
89°	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.4	0.4	0.4

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CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1440349

CATALOG NUMBER: XSF200-SFTR-4Hx4V-850-Position 3

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



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CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1440349

CATALOG NUMBER: XSF200-SFTR-4Hx4V-850-Position 3

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	42033.0	42033.0	42033.0	42033.0	42033.0	42033.0	42033.0	42033.0	42033.0	42033.0	42033.0
1°	41778.6	41809.0	41883.0	41946.0	42017.8	42076.5	42128.7	42191.8	42233.1	42248.4	42233.1
2°	41217.5	41276.2	41402.3	41674.2	41848.2	42022.2	42163.5	42285.3	42341.9	42337.5	42250.5
3°	40656.4	40743.4	40921.7	41208.8	41448.0	41824.3	42096.1	42265.8	42346.2	42296.2	42102.6
4°	40093.1	40210.5	40438.9	40741.2	41050.0	41480.6	41930.8	42165.7	42259.2	42139.6	41837.3
5°	39401.5	39538.5	39773.4	40136.6	40649.8	41137.0	41695.9	42000.4	42083.1	41846.0	41439.3
6°	38694.7	38883.9	39127.5	39501.5	40075.7	40789.0	41256.6	41715.5	41774.2	41487.2	40967.4
7°	38011.8	38251.0	38533.7	38907.8	39490.7	40210.5	40815.1	41289.2	41363.2	41008.7	40425.8
8°	37324.5	37644.2	37957.4	38329.3	38870.8	39610.3	40373.6	40762.9	40823.8	40447.6	39827.8
9°	36598.1	36987.4	37348.4	37744.3	38253.2	38923.0	39679.9	40101.8	40147.5	39769.0	39192.7
10°	35769.5	36243.6	36678.6	37135.3	37581.2	38157.5	38853.4	39279.7	39377.6	38997.0	38525.0
11°	34799.5	35341.1	35882.6	36443.7	36874.3	37296.3	37903.0	38296.7	38392.4	38114.0	37813.9
12°	33686.0	34277.6	34903.9	35610.8	36069.6	36332.8	36809.1	37152.7	37298.4	37144.0	37067.9
13°	32409.4	33024.9	33760.0	34636.4	35162.7	35267.1	35591.2	35878.3	36065.3	36041.4	36191.4
14°	30987.1	31635.2	32452.9	33509.9	34094.9	34107.9	34290.6	34486.4	34712.5	34836.5	35230.2
15°	29456.0	30238.9	31065.3	32202.8	32870.5	32835.7	32866.1	32950.9	33220.6	33553.4	34125.3
16°	27861.8	28801.3	29645.2	30736.9	31441.6	31378.5	31328.5	31282.8	31624.3	32146.2	32879.2
17°	26259.0	27392.1	28220.7	29181.9	29864.8	29830.0	29662.6	29486.4	29917.0	30623.9	31426.4
18°	24540.8	25904.5	26774.4	27513.8	28079.3	28098.9	27855.3	27548.6	28014.1	28927.5	29764.8
19°	22668.3	24266.8	25184.6	25774.0	26156.7	26237.2	25845.7	25506.5	26037.1	27109.3	27957.5
20°	20655.1	22385.6	23418.6	23860.1	24066.7	24203.7	23814.4	23381.7	23931.9	25106.3	25930.6
21°	18459.3	20305.8	21360.1	21776.6	21870.1	22078.9	21622.4	21240.7	21804.9	22988.0	23810.1
22°	16199.3	18004.6	19119.8	19493.5	19590.7	19866.5	19474.8	19088.1	19661.4	20814.5	21596.5
23°	13922.6	15629.2	16720.1	17102.9	17242.3	17597.7	17249.9	16935.2	17517.2	18590.7	19289.9
24°	11731.3	13222.1	14288.7	14699.1	14904.1	15361.5	15076.8	14782.6	15372.8	16365.9	16982.4
25°	9650.4	10887.7	11883.1	12368.1	12655.4	13129.5	12930.5	12648.8	13261.1	14141.0	14674.9
26°	7787.7	8748.5	9649.7	10196.3	10547.5	10986.8	10800.0	10585.8	11180.6	12026.4	12475.7
27°	6211.8	6903.1	7683.0	8297.0	8626.7	8971.6	8825.5	8628.2	9181.7	9960.1	10401.6
28°	5191.8	5735.9	6021.0	6596.1	6940.3	7152.2	7027.8	6897.9	7365.3	8055.8	8483.4
29°	4171.8	4568.7	5019.5	5520.2	5527.8	5643.0	5543.7	5454.9	5815.3	6388.8	6798.3
30°	3160.0	3405.1	4017.8	4444.1	4541.9	4592.4	4530.4	4323.4	4563.9	4999.3	5345.5
31°	2588.3	2765.3	3032.2	3380.3	3557.4	3547.4	3517.8	3468.2	3627.2	3929.9	4220.1
32°	2158.7	2284.9	2482.1	2758.8	2888.8	2864.9	2843.8	2827.5	2929.3	3127.0	3347.1
33°	1842.8	1929.1	2083.0	2301.2	2392.8	2350.3	2346.4	2354.0	2417.1	2538.5	2700.9
34°	1605.9	1663.3	1778.1	1961.7	2014.2	1973.8	1979.5	1990.6	2036.7	2108.7	2222.5
35°	1420.4	1458.1	1550.7	1706.4	1731.0	1689.4	1703.9	1763.1	1812.9	1864.3	1955.9
36°	1280.3	1301.7	1377.9	1517.5	1514.5	1477.0	1495.7	1537.6	1591.2	1622.4	1691.6
37°	1166.1	1179.7	1240.5	1371.0	1349.7	1315.4	1337.0	1384.3	1369.5	1380.4	1427.4
38°	1075.2	1081.6	1133.3	1259.4	1221.2	1187.1	1209.4	1267.9	1241.9	1242.4	1278.8
39°	1000.7	1002.8	1048.1	1171.5	1119.3	1088.3	1107.9	1171.9	1137.9	1130.4	1162.7
40°	940.1	936.7	978.7	1100.4	1036.9	1004.6	1024.3	1093.5	1052.5	1038.9	1068.4
41°	889.4	881.4	920.8	1041.5	969.3	936.8	955.6	1028.5	982.5	962.3	993.0
42°	846.3	833.4	873.0	990.4	914.8	878.4	896.8	975.0	921.8	897.3	929.6
43°	809.5	792.6	832.0	945.6	868.5	829.4	846.8	930.1	870.2	842.4	877.0
44°	776.8	756.2	796.5	906.2	828.1	786.3	803.9	890.6	826.0	794.8	832.1

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CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	747.0	724.0	766.0	871.1	792.7	747.6	765.8	856.9	787.8	754.0	793.6
46°	718.3	694.1	738.1	838.3	761.6	712.9	732.9	826.0	753.2	716.4	759.1
47°	689.0	665.3	710.1	806.4	732.8	681.5	703.0	797.6	722.6	683.0	728.5
48°	659.2	639.0	682.0	772.1	705.1	652.6	677.0	771.0	694.9	653.4	700.8
49°	629.9	613.6	653.8	734.3	676.5	626.4	653.6	744.2	670.3	627.4	675.5
50°	600.7	588.9	625.7	696.5	646.9	601.3	629.0	715.3	647.3	602.3	651.4
51°	572.0	565.5	598.3	657.8	617.2	576.4	604.6	682.6	621.7	578.6	626.5
52°	543.7	541.6	570.9	620.5	587.8	552.2	578.6	649.6	595.0	555.0	600.5
53°	516.3	519.2	542.5	584.5	558.0	529.2	553.5	614.7	568.6	532.4	574.2
54°	491.0	497.9	515.4	548.9	528.2	506.1	528.3	579.7	542.1	510.3	546.5
55°	466.5	476.2	489.3	514.5	498.8	483.7	503.9	544.7	514.4	487.8	518.3
56°	442.1	454.4	463.1	485.3	472.6	461.2	479.3	511.9	488.0	465.5	488.9
57°	420.7	432.7	437.0	456.1	446.4	438.8	454.8	481.0	461.7	443.7	461.1
58°	399.4	412.9	412.5	427.0	420.2	417.6	430.3	454.5	437.8	422.2	434.9
59°	378.1	393.1	387.4	402.4	397.1	397.2	407.8	430.2	414.7	401.3	409.6
60°	357.8	373.9	363.3	378.1	373.7	377.1	385.4	408.1	392.3	381.0	384.4
61°	339.8	355.0	342.3	355.2	352.3	358.1	364.5	386.2	370.4	361.2	359.7
62°	323.9	336.5	324.6	336.2	332.4	339.6	345.3	366.1	350.1	342.2	336.7
63°	309.0	318.4	309.1	319.9	314.8	321.7	328.9	349.5	332.2	323.5	316.6
64°	294.4	300.7	294.5	307.4	298.4	304.2	314.0	338.0	316.1	305.9	299.5
65°	279.9	282.2	280.0	294.9	283.4	287.3	299.7	330.1	300.6	289.2	284.2
66°	264.5	264.5	265.5	281.0	268.4	270.3	285.3	320.8	285.8	272.3	269.2
67°	249.1	247.5	250.9	264.0	253.5	253.2	269.9	308.6	270.4	255.7	254.5
68°	233.0	229.2	235.2	244.0	239.0	235.9	254.6	294.1	255.9	238.6	240.0
69°	216.6	209.6	218.7	225.0	223.7	217.6	239.1	277.2	240.6	221.1	224.8
70°	199.9	190.8	202.4	214.9	207.3	198.6	222.8	258.7	224.6	201.6	209.0
71°	183.1	174.2	185.8	218.5	190.6	180.7	205.8	239.8	208.5	184.6	191.9
72°	165.8	158.7	169.0	228.5	173.4	164.3	188.3	238.1	190.9	167.7	174.8
73°	148.8	144.2	152.3	202.8	155.9	148.2	170.2	230.5	173.3	151.1	157.7
74°	132.0	129.7	135.2	165.2	138.5	132.5	152.6	196.2	155.7	135.4	140.6
75°	116.2	115.3	118.8	139.6	122.0	117.7	136.0	167.2	137.7	120.0	123.6
76°	101.1	101.4	103.8	119.1	105.9	103.6	119.6	138.3	121.5	105.6	107.7
77°	86.6	88.1	89.2	102.8	90.4	90.1	105.2	118.8	107.0	91.9	92.9
78°	72.9	75.1	74.9	88.0	75.6	77.2	90.5	102.4	90.9	78.7	78.6
79°	60.2	63.2	61.7	74.5	62.0	65.0	75.8	87.2	75.1	66.1	64.7
80°	49.9	52.7	51.1	61.5	51.1	54.1	61.9	73.2	61.0	54.3	52.4
81°	39.7	42.3	40.6	50.0	40.1	43.3	51.0	59.9	48.3	43.3	41.4
82°	29.4	31.9	30.2	38.4	29.2	32.5	40.2	47.8	37.4	33.3	31.0
83°	25.5	27.6	25.6	27.0	23.0	25.0	29.5	36.9	28.1	24.9	21.9
84°	24.4	27.0	25.0	20.2	21.1	21.9	24.5	26.8	23.5	19.8	17.1
85°	19.5	21.4	20.3	12.7	17.4	18.3	20.5	19.3	17.2	14.7	12.4
86°	10.1	10.9	11.7	6.3	10.7	12.1	13.3	11.8	10.9	9.7	7.2
87°	2.9	2.9	3.5	2.7	4.3	3.8	4.8	4.3	4.6	3.5	2.2
88°	1.1	1.2	1.3	1.2	1.3	1.4	2.0	1.5	1.4	0.9	0.5
89°	0.4	0.4	0.5	0.5	0.6	0.5	0.5	0.4	0.3	0.2	0.2

REPORT NUMBER: P1440349

CATALOG NUMBER: XSF200-SFTR-4Hx4V-850-Position 3

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: P1440349

CATALOG NUMBER: XSF200-SFTR-4Hx4V-850-Position 3

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: P1440349
CATALOG NUMBER: XSF200-SFTR-4Hx4V-850-Position 3

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: P1440349

CATALOG NUMBER: XSF200-SFTR-4Hx4V-850-Position 3

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	42033.0	42033.0	42033.0
1°	42183.1	42120.0	42048.3
2°	42128.7	41987.4	41848.2
3°	41893.9	41661.1	41448.0
4°	41493.7	41165.3	40910.8
5°	40997.8	40602.0	40291.0
6°	40412.8	39951.7	39632.0
7°	39810.4	39331.9	38999.1
8°	39225.3	38744.7	38403.2
9°	38620.7	38183.6	37803.0
10°	38046.6	37616.0	37218.0
11°	37450.7	37000.5	36532.9
12°	36802.6	36261.0	35663.0
13°	36010.9	35356.3	34662.5
14°	35064.9	34288.5	33509.9
15°	33975.3	33111.9	32261.5
16°	32718.2	31843.9	30924.0
17°	31330.7	30482.5	29551.7
18°	29817.0	29077.5	28205.4
19°	28181.5	27657.4	26750.5
20°	26343.8	26132.8	25199.8
21°	24440.8	24453.8	23464.3
22°	22346.4	22550.9	21488.7
23°	20175.9	20436.9	19276.7
24°	17836.0	18094.4	17060.7
25°	15495.0	15750.8	14844.8
26°	13154.3	13407.0	12602.7
27°	10933.1	11076.7	10335.3
28°	8861.6	8844.6	8251.8
29°	7054.7	6944.7	6542.1
30°	5521.0	5399.2	5125.4
31°	4330.5	4208.1	4041.3
32°	3430.4	3331.2	3210.5
33°	2758.8	2687.0	2620.2
34°	2277.5	2219.2	2174.2
35°	2013.3	1956.1	1918.0
36°	1752.8	1695.9	1664.9
37°	1492.2	1435.6	1411.8
38°	1348.5	1289.2	1265.9
39°	1242.0	1172.9	1150.5
40°	1154.8	1078.2	1056.2
41°	1087.5	1002.2	979.5
42°	1030.6	937.9	913.3
43°	982.6	883.3	857.4
44°	939.2	835.8	808.2

REPORT NUMBER: P1440349

CATALOG NUMBER: XSF200-SFTR-4Hx4V-850-Position 3

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	899.6	794.0	765.1
46°	862.2	756.4	725.8
47°	828.0	722.6	691.7
48°	795.7	693.6	660.2
49°	764.2	666.1	629.6
50°	732.4	639.7	600.7
51°	699.3	613.9	574.2
52°	662.3	587.2	549.2
53°	624.4	561.4	526.4
54°	585.4	535.3	503.9
55°	547.8	508.9	481.8
56°	510.0	482.4	460.0
57°	476.0	455.4	439.1
58°	444.6	428.6	417.1
59°	416.3	401.6	396.8
60°	392.0	376.3	375.7
61°	368.4	352.5	356.1
62°	345.6	330.6	337.2
63°	325.3	311.5	318.3
64°	308.7	295.3	300.2
65°	294.1	280.2	282.3
66°	282.6	266.0	264.5
67°	269.9	251.6	247.3
68°	251.6	236.3	229.9
69°	231.2	221.1	211.6
70°	212.8	204.7	194.0
71°	211.4	188.2	176.4
72°	210.4	171.7	158.8
73°	209.4	155.1	143.6
74°	190.4	139.1	129.2
75°	155.6	123.3	114.8
76°	128.0	106.6	101.2
77°	107.8	91.5	87.5
78°	91.0	77.2	74.1
79°	76.1	62.7	61.1
80°	61.6	49.6	48.9
81°	47.6	37.9	38.1
82°	35.4	27.8	28.0
83°	25.0	22.7	22.3
84°	17.9	17.6	16.8
85°	10.9	12.5	11.2
86°	3.8	3.5	2.4
87°	0.8	0.7	0.6
88°	0.4	0.4	0.3
89°	0.1	0.1	0.1

REPORT NUMBER: P1440349

CATALOG NUMBER: XSF200-SFTR-4Hx4V-850-Position 3

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: P1440349

CATALOG NUMBER: XSF200-SFTR-4Hx4V-850-Position 3

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: P1440349

CATALOG NUMBER: XSF200-SFTR-4Hx4V-850-Position 3

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)