

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: P1440361

Luminaire Tested: XSF200-SFTR-5Hx5V-850-Position 3

Issue Date: 04/15/2026

Test Information

Test Method: LM-79-2024
Report Number: P1440361
Test Lab: THIRD PARTY NVLAP
Issue Date: 7/15/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XSF200-SFTR-5Hx5V-850-Position 3
Description: LUMARK ALL SELECTABLE LUMINAIRE 200W w/ NEMA 5 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: 20385.2 lumens
Efficiency: N/A
Efficacy: 171.3 lumens/watt
Luminous Opening: Rectangular (W 0.42' x L: 0.42' x H: 0')
IES Classification: Type V - 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

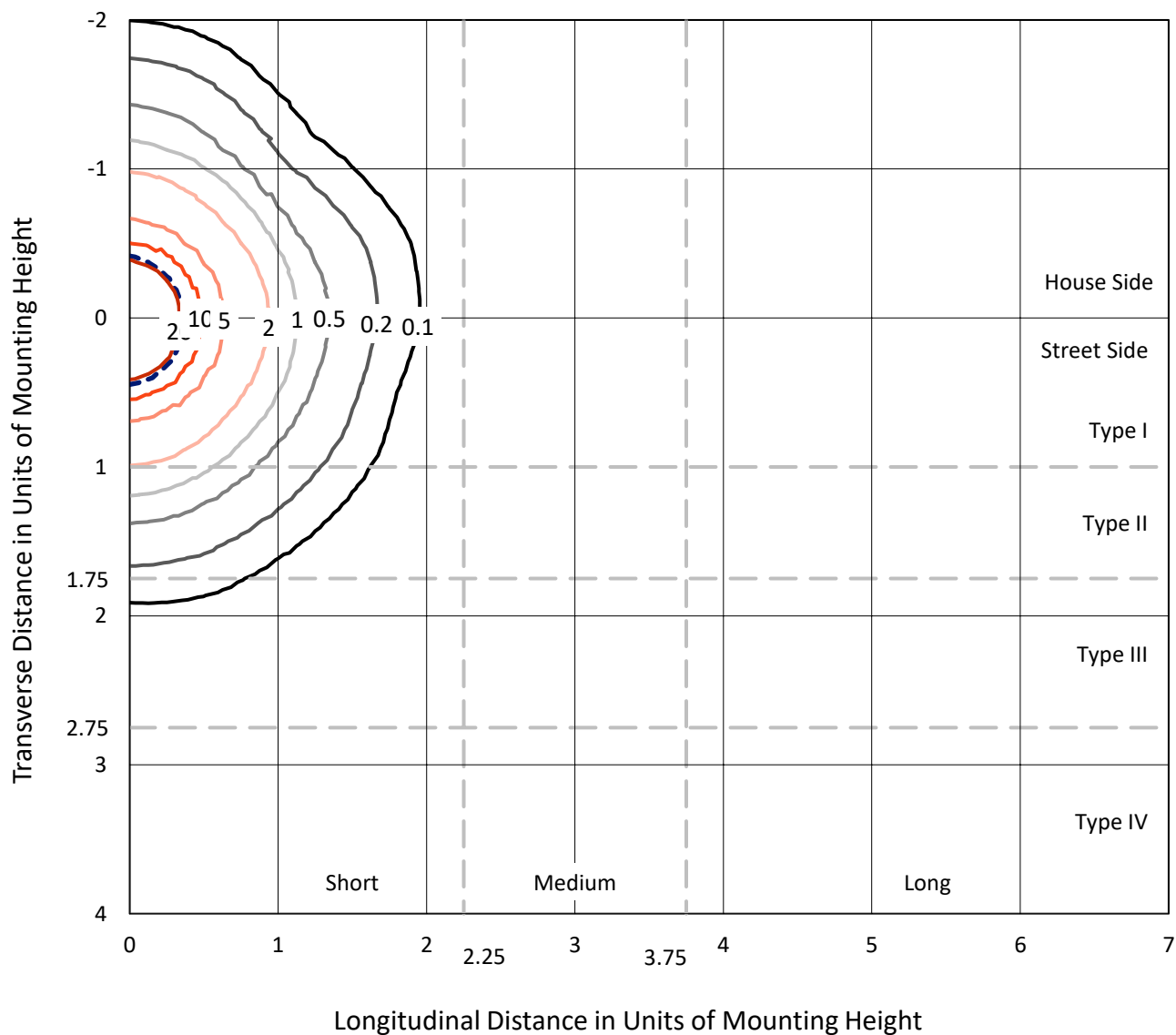
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



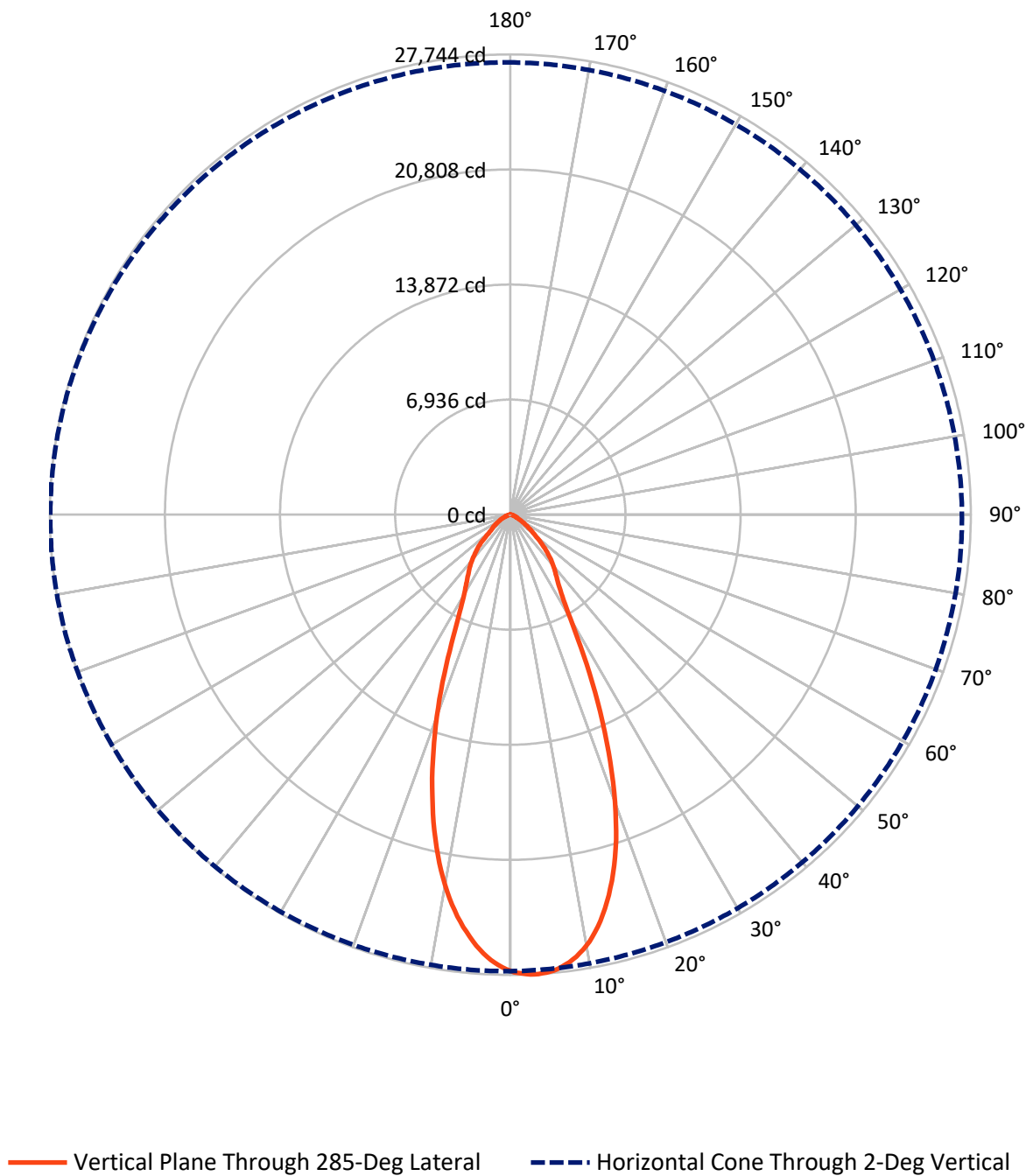
Based on 25 foot mounting height. Maximum calculated value = 44.1 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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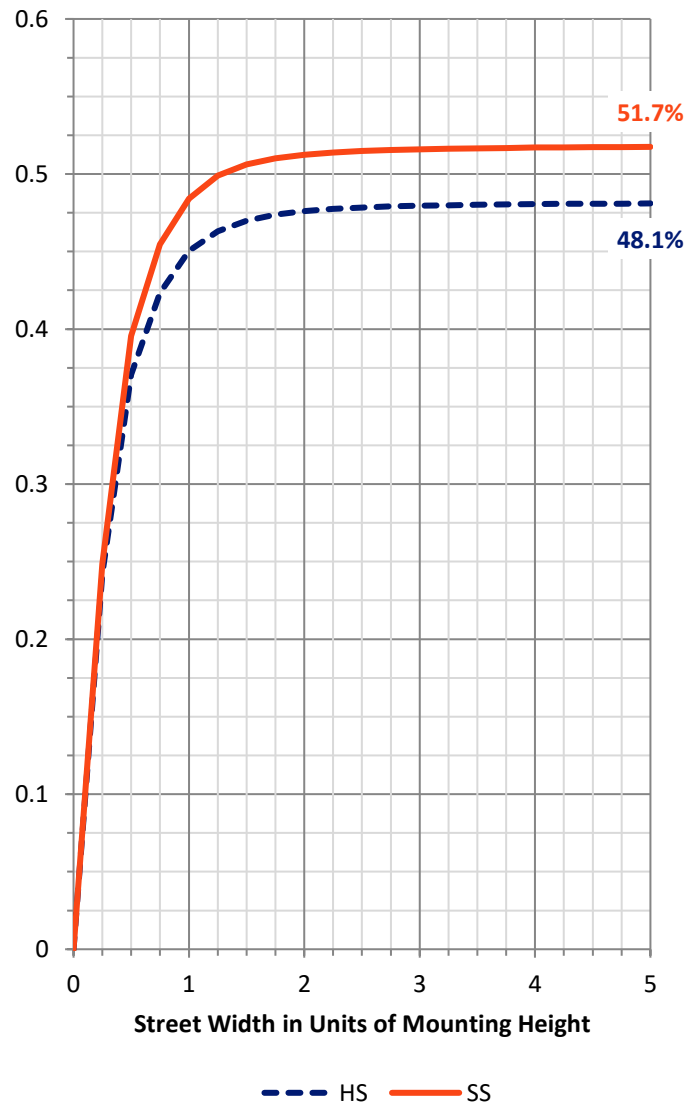
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9904.4	0.0	9904.4
	% Fixture	48.6	0.0	48.6
Street Side	Lumens	10480.8	0.0	10480.8
	% Fixture	51.4	0.0	51.4
Total	Lumens	20385.2	0.0	20385.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2480.8	12.2
10°-20°	5863.9	28.8
20°-30°	4977.6	24.4
30°-40°	3043.9	14.9
40°-50°	2219.7	10.9
50°-60°	1102.2	5.4
60°-70°	496.2	2.4
70°-80°	178.3	0.9
80°-90°	22.5	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°	20385.2	100.0
0°-180°	20385.2	100.0

Coefficient of Utilization



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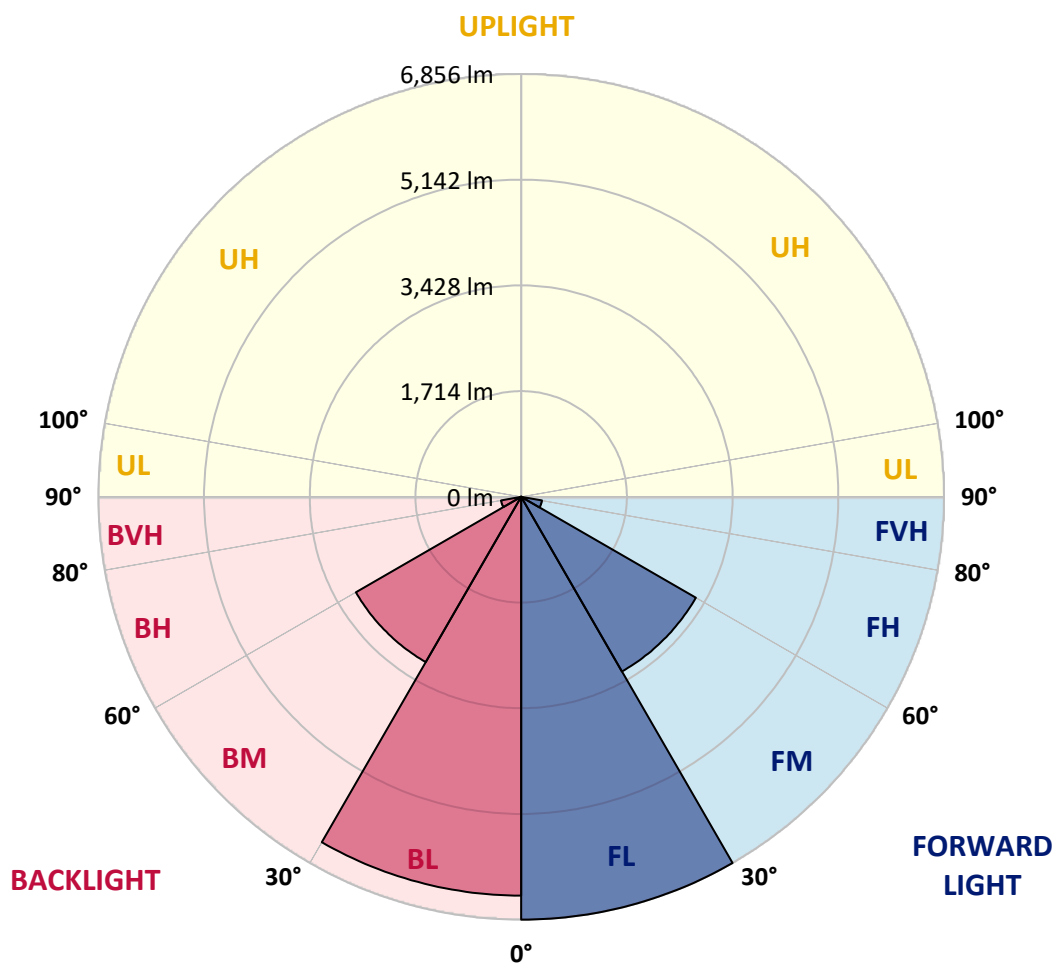
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	6856.2	33.6			
FM	(30°-60°)	3271.2	16.0			
FH	(60°-80°)	342.6	1.7			G0/660
FVH	(80°-90°)	10.7	0.1			G1/100
BL	(0°-30°)	6466.1	31.7	B5		
BM	(30°-60°)	3094.6	15.2	B3/5000		
BH	(60°-80°)	331.9	1.6	B1/500		G0/660
BVH	(80°-90°)	11.8	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 V Short



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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	27591.7	27591.7	27591.7	27591.7	27591.7	27591.7	27591.7	27591.7	27591.7	27591.7	27591.7
1°	27619.9	27578.7	27541.8	27511.5	27481.1	27457.3	27431.3	27403.1	27400.9	27407.4	27424.7
2°	27518.0	27442.1	27390.1	27348.9	27307.7	27255.6	27212.3	27168.9	27153.7	27160.2	27162.4
3°	27327.2	27236.1	27158.0	27097.3	27036.6	26975.9	26910.9	26867.5	26839.3	26837.1	26850.1
4°	27060.5	26934.7	26841.5	26780.8	26702.7	26639.8	26550.9	26496.7	26472.9	26475.0	26492.4
5°	26739.6	26618.1	26503.2	26403.5	26310.2	26236.5	26132.4	26065.2	26041.4	26063.0	26106.4
6°	26394.8	26258.2	26128.1	25993.7	25859.2	25755.1	25635.9	25557.8	25551.3	25609.9	25707.4
7°	26054.4	25898.3	25731.3	25542.7	25354.0	25219.6	25102.5	25022.3	25024.4	25119.8	25282.5
8°	25750.8	25555.7	25328.0	25067.8	24814.1	24636.3	24484.5	24421.6	24460.7	24610.3	24855.3
9°	25438.6	25210.9	24909.5	24558.2	24224.3	23992.3	23812.3	23762.5	23829.7	24048.7	24389.1
10°	25106.8	24835.8	24458.5	24024.8	23608.5	23311.5	23075.1	23042.6	23157.5	23450.2	23860.0
11°	24720.9	24421.6	23966.3	23454.6	22945.0	22559.1	22296.7	22264.2	22439.8	22793.2	23287.6
12°	24259.0	23916.4	23435.1	22827.9	22253.3	21780.6	21449.3	21437.6	21658.4	22086.4	22626.3
13°	23710.4	23344.0	22810.6	22144.9	21495.1	20928.5	20541.7	20543.4	20825.5	21309.3	21886.9
14°	23088.1	22667.5	22088.5	21405.5	20669.0	20028.2	19592.6	19601.5	19940.8	20464.9	21069.7
15°	22400.8	21949.8	21268.5	20588.1	19809.4	19084.1	18590.2	18622.1	18986.3	19555.5	20169.8
16°	21683.1	21133.8	20412.9	19710.3	18873.2	18098.0	17569.8	17591.0	17983.5	18600.2	19207.5
17°	20924.4	20286.7	19505.7	18766.5	17879.9	17065.2	16536.6	16563.9	16953.6	17570.7	18200.1
18°	20134.5	19424.3	18568.1	17772.5	16857.9	16035.1	15511.9	15507.5	15894.3	16510.8	17155.2
19°	19315.7	18526.7	17585.0	16719.4	15804.1	14985.4	14487.5	14477.8	14825.4	15385.7	16063.3
20°	18450.8	17569.6	16559.6	15651.1	14751.4	13962.8	13470.2	13452.2	13752.9	14238.6	14911.2
21°	17487.8	16524.2	15471.7	14568.2	13680.1	12934.8	12445.9	12417.9	12671.8	13082.0	13706.3
22°	16413.6	15444.9	14362.6	13470.4	12624.8	11899.9	11442.2	11397.7	11626.0	11941.1	12500.1
23°	15244.1	14271.1	13224.9	12355.0	11556.2	10878.4	10449.9	10384.9	10569.0	10827.2	11310.5
24°	14003.4	13071.6	12091.6	11260.9	10520.2	9899.2	9502.4	9429.5	9555.9	9749.4	10193.9
25°	12758.5	11907.9	10997.0	10219.2	9530.8	8990.9	8654.1	8543.3	8612.9	8760.6	9159.6
26°	11500.0	10748.7	9930.4	9218.6	8612.9	8174.1	7899.6	7776.6	7768.2	7883.1	8220.3
27°	10284.7	9659.6	8943.0	8302.2	7805.7	7479.1	7262.1	7129.8	7062.4	7120.5	7426.5
28°	9149.8	8648.9	8055.0	7502.1	7098.0	6878.1	6721.5	6578.0	6472.6	6495.6	6748.0
29°	8179.9	7786.8	7294.0	6823.0	6515.1	6371.4	6268.1	6124.4	5986.3	5976.7	6200.9
30°	7379.0	7057.4	6657.4	6251.2	6015.3	5949.0	5891.1	5742.8	5593.8	5556.5	5750.8
31°	6749.5	6489.3	6127.2	5773.1	5600.1	5598.6	5572.5	5431.6	5265.5	5210.7	5394.7
32°	6258.4	6030.7	5689.4	5386.5	5259.2	5302.6	5307.6	5158.2	4993.2	4924.2	5097.9
33°	5881.5	5671.6	5336.2	5057.4	4970.4	5049.8	5073.6	4924.2	4759.4	4674.9	4846.2
34°	5583.2	5386.9	5045.4	4777.9	4714.3	4827.5	4872.2	4717.6	4549.1	4463.0	4635.4
35°	5342.1	5148.2	4800.8	4532.4	4488.4	4621.5	4679.9	4523.7	4354.2	4265.9	4446.1
36°	5141.7	4944.8	4589.7	4309.9	4286.5	4434.8	4497.1	4343.8	4174.2	4087.0	4269.2
37°	4968.9	4761.4	4400.8	4115.7	4102.0	4255.7	4322.1	4177.7	3994.2	3907.9	4103.7
38°	4808.4	4585.1	4227.5	3938.7	3929.6	4080.8	4155.8	4011.4	3814.3	3728.8	3938.3
39°	4645.2	4409.9	4059.3	3766.3	3756.8	3903.8	3989.5	3844.8	3632.6	3544.1	3772.6
40°	4470.0	4234.5	3882.8	3589.4	3584.6	3716.9	3822.9	3666.0	3456.5	3363.7	3594.2
41°	4287.4	4053.6	3696.3	3411.0	3407.5	3528.1	3632.3	3490.5	3270.2	3186.3	3411.0
42°	4090.5	3862.0	3504.2	3231.2	3226.0	3326.4	3432.4	3300.8	3082.9	3006.8	3226.0
43°	3883.2	3659.0	3315.6	3045.8	3042.8	3118.5	3234.9	3119.8	2892.1	2822.1	3040.8
44°	3666.2	3447.8	3121.7	2866.3	2859.1	2917.2	3039.1	2938.7	2700.6	2641.0	2867.8

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CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	3430.0	3234.5	2930.0	2687.8	2685.0	2728.8	2852.6	2763.5	2520.2	2469.1	2698.7
46°	3190.7	3025.2	2738.6	2514.6	2513.9	2543.6	2650.8	2571.2	2337.2	2320.7	2540.2
47°	2958.2	2817.7	2551.7	2343.9	2322.9	2340.9	2435.7	2343.1	2110.4	2153.6	2365.2
48°	2741.2	2618.4	2354.6	2151.2	2123.9	2151.2	2232.9	2114.0	1882.8	1948.9	2150.4
49°	2510.9	2397.1	2122.6	1944.4	1944.4	1964.0	2043.1	1891.4	1681.1	1744.7	1912.3
50°	2299.1	2166.3	1927.4	1741.1	1765.1	1805.0	1876.6	1698.1	1469.7	1488.9	1699.9
51°	2132.8	1916.6	1733.5	1537.9	1585.7	1646.7	1742.2	1561.5	1307.6	1286.7	1495.1
52°	1926.4	1743.8	1539.6	1397.8	1448.7	1520.6	1622.7	1459.0	1192.8	1122.4	1349.8
53°	1739.8	1571.1	1386.9	1292.2	1318.2	1385.4	1513.3	1375.1	1092.8	992.8	1259.0
54°	1554.0	1453.4	1280.1	1221.1	1198.3	1249.8	1389.6	1308.4	1008.7	867.5	1160.8
55°	1425.1	1302.3	1168.8	1142.2	1104.7	1134.6	1279.9	1227.2	931.5	759.5	1051.0
56°	1278.0	1174.3	1074.8	1048.5	1040.6	1046.9	1186.5	1149.8	858.6	673.4	938.6
57°	1136.5	1072.1	982.3	967.2	982.6	965.8	1091.6	1067.6	801.0	615.2	844.4
58°	999.9	973.6	899.6	890.1	902.9	873.5	998.6	1007.7	743.9	572.7	761.0
59°	904.4	898.6	828.4	813.7	840.2	795.7	915.5	920.1	673.9	534.4	692.4
60°	809.1	845.7	763.9	743.9	772.8	699.1	845.7	832.4	619.4	499.9	633.9
61°	723.5	772.2	693.3	683.0	701.0	621.0	771.2	773.7	585.3	471.3	579.1
62°	646.5	691.2	628.7	625.7	637.7	575.2	704.6	718.5	542.1	442.7	532.8
63°	582.3	620.1	574.4	573.8	584.1	535.7	653.5	662.8	500.7	414.1	493.3
64°	521.5	567.7	527.5	528.4	537.1	490.4	599.8	599.0	461.3	389.4	456.3
65°	470.0	513.6	487.5	487.2	491.1	449.5	546.8	541.8	422.1	365.9	419.4
66°	426.6	465.3	447.6	447.7	448.0	412.7	496.6	490.3	387.5	342.0	385.2
67°	387.2	421.8	409.6	410.1	406.6	380.4	446.4	438.8	353.7	318.6	350.8
68°	350.1	379.5	371.1	371.7	366.2	348.9	396.2	387.5	320.8	296.0	317.3
69°	315.9	340.2	331.6	333.1	328.2	316.9	352.8	345.8	291.2	273.1	289.3
70°	282.7	302.6	296.1	297.1	292.5	286.8	318.2	310.7	264.3	250.9	278.5
71°	253.5	269.2	269.7	263.8	260.6	259.2	305.9	278.6	239.6	228.7	264.6
72°	225.1	238.9	264.4	234.2	231.3	233.1	273.3	248.5	216.3	207.1	238.0
73°	198.7	210.8	236.8	207.0	204.4	207.8	235.6	219.8	193.3	184.6	203.7
74°	175.6	185.1	200.5	183.0	181.0	184.6	201.9	193.2	171.5	163.4	176.1
75°	152.6	159.4	171.9	159.1	157.6	161.4	173.9	167.8	150.6	143.6	152.3
76°	129.6	133.7	143.5	135.1	134.2	138.3	150.4	144.9	130.7	124.5	130.1
77°	110.1	111.8	115.0	113.5	114.2	117.8	129.6	123.7	112.2	106.3	110.5
78°	90.8	90.5	96.0	94.3	96.4	99.4	111.6	104.2	95.1	88.2	92.8
79°	71.6	72.3	79.2	77.5	79.9	82.1	93.9	86.1	79.2	72.4	77.7
80°	55.8	56.2	63.1	62.5	64.0	66.4	76.4	70.1	64.5	58.7	63.6
81°	42.5	42.6	47.7	49.8	51.9	53.9	62.1	57.9	52.7	47.8	51.4
82°	31.6	32.4	36.5	37.3	39.7	42.2	50.2	45.7	40.8	36.9	39.3
83°	22.5	22.7	24.8	26.0	28.7	31.5	38.3	33.6	29.1	26.0	27.2
84°	15.8	15.9	17.5	18.8	21.1	23.2	26.4	24.6	21.6	19.0	18.8
85°	9.1	9.2	10.2	11.7	13.7	15.7	16.7	16.9	14.5	12.4	11.4
86°	2.4	2.5	2.9	4.6	6.3	9.3	9.0	9.1	7.7	6.6	5.9
87°	0.7	0.7	0.8	1.1	1.9	3.0	3.5	3.4	3.0	2.7	2.5
88°	0.3	0.3	0.3	0.4	0.5	0.7	0.9	0.9	1.0	1.0	1.2
89°	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4	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: P1440361

CATALOG NUMBER: XSF200-SFTR-5Hx5V-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: P1440361

CATALOG NUMBER: XSF200-SFTR-5Hx5V-850-Position 3

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	27591.7	27591.7	27591.7	27591.7	27591.7	27591.7	27591.7	27591.7	27591.7	27591.7	27591.7
1°	27446.4	27492.0	27511.5	27559.2	27591.7	27630.7	27661.1	27676.3	27671.9	27689.3	27695.8
2°	27199.2	27262.1	27325.0	27409.6	27509.3	27598.2	27676.3	27721.8	27743.5	27728.3	27706.6
3°	26893.5	26956.4	27056.1	27181.9	27338.0	27489.8	27641.6	27704.5	27739.2	27711.0	27643.7
4°	26544.4	26622.5	26739.6	26897.8	27119.0	27335.8	27552.7	27650.2	27698.0	27624.2	27496.3
5°	26186.6	26275.5	26397.0	26576.9	26845.8	27132.0	27405.2	27554.8	27602.5	27485.5	27301.2
6°	25828.9	25919.9	26043.5	26256.0	26544.4	26880.5	27210.1	27405.2	27435.6	27299.0	27054.0
7°	25451.6	25583.9	25720.5	25926.4	26223.5	26585.6	26958.6	27184.1	27212.3	27045.3	26776.4
8°	25089.5	25258.6	25410.4	25618.5	25902.6	26264.7	26652.8	26908.7	26943.4	26752.6	26457.7
9°	24701.4	24903.0	25098.2	25306.3	25570.8	25902.6	26290.7	26553.1	26587.8	26399.1	26106.4
10°	24243.8	24493.2	24723.0	24968.1	25202.2	25490.6	25850.6	26125.9	26171.5	25989.3	25761.7
11°	23725.6	24007.5	24287.2	24575.6	24814.1	25022.3	25332.3	25601.2	25666.2	25521.0	25380.0
12°	23116.3	23419.9	23747.3	24120.2	24369.6	24519.2	24749.1	24996.2	25078.6	25000.6	24968.1
13°	22409.5	22728.2	23116.3	23584.7	23870.9	23927.3	24109.4	24330.6	24417.3	24415.1	24506.2
14°	21620.6	21982.3	22396.4	22958.0	23276.8	23302.8	23391.7	23591.2	23688.8	23775.5	23983.6
15°	20780.0	21195.4	21639.7	22244.7	22617.6	22604.6	22624.1	22769.4	22912.5	23077.3	23389.5
16°	19899.0	20396.8	20836.1	21437.6	21821.8	21802.3	21785.0	21869.5	22051.7	22324.9	22713.0
17°	18996.3	19598.0	20041.7	20562.1	20932.6	20941.3	20861.3	20886.2	21120.6	21478.6	21910.7
18°	18032.5	18762.1	19211.4	19636.8	19953.8	19989.8	19860.0	19835.7	20100.0	20584.6	21013.1
19°	16998.9	17833.7	18326.7	18660.4	18885.5	18944.7	18777.1	18716.0	19021.5	19582.6	19999.6
20°	15875.7	16790.7	17323.0	17605.4	17728.7	17817.6	17627.0	17545.3	17863.8	18481.6	18922.2
21°	14672.9	15615.7	16193.8	16436.2	16498.4	16635.0	16424.5	16348.2	16674.3	17321.7	17753.2
22°	13416.4	14361.3	14963.3	15173.8	15237.8	15386.3	15202.9	15136.5	15475.2	16101.8	16535.9
23°	12171.1	13071.9	13675.9	13839.7	13908.8	14106.6	13967.1	13928.1	14254.7	14855.5	15249.7
24°	10951.7	11787.8	12341.4	12533.9	12615.9	12813.0	12732.7	12714.5	13052.8	13587.3	13948.5
25°	9828.3	10535.4	11070.1	11250.5	11326.2	11582.9	11510.2	11523.0	11867.6	12347.9	12651.0
26°	8784.9	9372.7	9841.7	10039.7	10121.4	10327.9	10306.8	10355.6	10689.5	11112.8	11396.0
27°	7894.8	8382.7	8781.9	8969.6	9024.7	9192.5	9190.2	9263.7	9576.1	9951.4	10196.0
28°	7142.8	7535.3	7839.7	8001.5	8038.8	8144.4	8174.1	8265.4	8527.1	8854.9	9085.2
29°	6551.3	6887.8	7109.0	7208.3	7197.9	7244.5	7300.5	7422.1	7627.9	7880.5	8090.6
30°	6086.2	6376.8	6520.7	6544.8	6491.0	6504.5	6594.5	6734.1	6881.8	7042.4	7215.9
31°	5717.6	5991.0	6084.3	6027.0	5923.8	5922.3	6040.0	6192.0	6293.9	6360.5	6509.7
32°	5427.1	5681.6	5723.9	5603.8	5475.0	5459.4	5601.2	5762.5	5829.9	5832.3	5931.2
33°	5189.0	5431.4	5450.7	5270.3	5104.4	5099.0	5249.3	5421.6	5455.9	5401.3	5470.0
34°	4983.6	5233.0	5211.5	4996.6	4811.0	4803.9	4966.5	5143.4	5159.1	5058.2	5101.8
35°	4806.7	5063.0	5008.8	4762.7	4555.4	4557.3	4725.4	4906.4	4910.3	4776.6	4795.4
36°	4644.3	4909.5	4829.3	4554.5	4335.7	4342.0	4516.8	4706.3	4694.4	4533.7	4542.6
37°	4485.8	4759.4	4658.0	4365.7	4155.1	4164.2	4333.4	4521.6	4495.6	4319.9	4322.3
38°	4320.1	4601.8	4489.5	4194.2	3974.3	3986.6	4170.5	4355.0	4312.5	4125.4	4126.9
39°	4148.4	4438.7	4317.1	4022.9	3793.5	3808.8	4007.7	4190.3	4140.2	3942.2	3943.3
40°	3976.7	4265.5	4128.5	3851.3	3609.6	3628.4	3844.8	4018.7	3958.7	3761.8	3763.5
41°	3804.7	4084.9	3940.0	3664.0	3425.9	3448.0	3667.5	3838.1	3773.5	3582.7	3586.8
42°	3602.4	3903.8	3750.5	3462.8	3240.8	3265.3	3481.7	3649.0	3575.3	3397.3	3405.3
43°	3404.5	3703.3	3534.8	3260.7	3050.8	3081.8	3291.7	3444.4	3364.8	3213.0	3219.1
44°	3208.9	3499.4	3321.0	3049.1	2855.7	2893.4	3101.1	3237.1	3143.4	3020.5	3033.7

REPORT NUMBER: P1440361

CATALOG NUMBER: XSF200-SFTR-5Hx5V-850-Position 3

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	3023.5	3302.1	3107.6	2842.9	2659.4	2690.9	2906.8	3034.3	2918.5	2826.2	2847.9
46°	2841.8	3111.5	2914.2	2651.2	2475.8	2495.1	2718.0	2838.3	2696.5	2625.8	2666.4
47°	2641.6	2896.4	2716.5	2480.1	2305.3	2306.9	2531.1	2659.0	2499.0	2434.4	2492.0
48°	2412.7	2674.0	2481.2	2268.9	2116.8	2105.3	2328.8	2464.7	2294.1	2254.0	2323.1
49°	2205.8	2471.4	2252.0	2028.5	1878.5	1863.5	2108.4	2263.9	2086.3	2065.4	2123.9
50°	2031.0	2334.2	2081.5	1813.0	1625.0	1649.4	1874.5	2055.5	1928.2	1875.6	1933.6
51°	1869.5	2159.6	1956.2	1635.7	1391.5	1464.0	1667.4	1904.5	1770.3	1685.8	1709.8
52°	1740.3	1980.4	1810.3	1441.2	1183.0	1269.6	1509.7	1754.1	1612.4	1496.0	1485.2
53°	1663.7	1878.0	1728.9	1345.5	1063.3	1144.8	1407.5	1603.7	1480.3	1358.4	1353.7
54°	1567.5	1783.4	1643.1	1236.5	938.8	1053.2	1333.3	1469.8	1348.7	1247.6	1253.0
55°	1468.7	1659.9	1510.6	1119.5	816.6	970.1	1273.4	1347.9	1224.8	1154.0	1158.7
56°	1329.5	1519.9	1367.7	1009.0	716.1	901.9	1209.6	1247.8	1118.8	1081.5	1074.0
57°	1197.6	1373.4	1236.7	904.4	648.0	846.8	1125.5	1139.5	1011.4	1014.4	992.0
58°	1100.5	1247.2	1120.1	810.7	601.4	796.0	1043.0	1039.0	902.1	921.8	917.3
59°	996.3	1145.8	1011.8	738.2	560.7	726.1	987.7	960.4	841.9	845.6	846.3
60°	887.0	1035.9	905.2	683.6	524.5	655.2	904.1	879.9	759.8	796.8	781.0
61°	797.8	921.5	807.3	618.4	490.7	601.6	812.0	795.4	668.7	731.2	719.0
62°	721.0	821.2	718.5	556.3	460.7	559.8	743.3	733.4	602.8	664.5	659.9
63°	648.5	729.1	646.6	506.3	430.8	518.5	689.8	678.8	545.9	601.1	606.6
64°	593.2	650.8	583.3	465.8	405.1	479.7	628.1	623.5	497.1	548.0	556.1
65°	539.2	579.8	529.6	425.3	380.9	440.9	570.7	571.8	458.1	503.0	509.7
66°	489.3	521.3	482.3	392.8	356.9	402.2	518.5	523.0	422.3	460.2	467.7
67°	439.5	462.8	435.0	360.7	332.8	369.0	468.2	475.6	390.6	420.0	428.2
68°	389.8	404.5	387.7	328.5	309.2	339.6	418.2	429.7	359.7	381.1	388.3
69°	346.6	354.4	345.5	298.1	286.6	309.9	376.5	386.3	329.7	343.2	348.2
70°	303.6	311.0	306.6	273.7	264.4	281.2	337.3	345.3	300.5	307.4	310.8
71°	266.2	273.6	271.1	257.1	241.9	254.4	302.8	309.2	272.1	272.8	276.7
72°	232.7	240.0	239.1	245.2	219.7	230.0	270.9	285.0	245.9	242.8	246.3
73°	202.3	208.3	209.2	216.8	197.4	206.9	241.0	261.3	220.9	215.4	218.0
74°	173.7	179.6	180.7	184.3	175.2	184.3	212.6	225.3	197.0	191.6	193.8
75°	148.1	153.9	154.3	158.0	154.2	162.8	185.4	192.0	174.6	167.9	168.5
76°	126.0	131.1	131.4	134.4	134.3	142.5	159.2	165.4	152.1	144.3	143.1
77°	106.2	110.9	111.0	114.4	115.3	122.7	136.6	138.9	129.7	123.4	121.6
78°	88.2	92.9	92.3	96.8	96.6	103.9	115.8	118.0	110.1	104.7	101.6
79°	72.4	76.7	75.7	81.6	79.9	87.8	97.3	99.7	92.6	88.2	84.2
80°	58.3	62.1	61.0	67.1	65.3	72.5	80.0	81.7	75.6	72.0	68.8
81°	48.1	51.5	50.3	54.7	53.6	59.6	64.7	66.1	60.1	57.6	55.0
82°	38.0	40.9	39.6	42.4	41.9	46.6	53.0	53.2	47.7	45.2	41.7
83°	27.9	30.3	29.0	30.1	30.3	33.8	41.2	41.4	35.9	33.5	29.6
84°	22.5	24.6	23.6	21.7	24.0	26.3	29.5	30.1	27.3	24.8	20.3
85°	16.1	17.5	17.0	13.6	17.3	19.5	21.5	20.0	20.4	17.8	13.6
86°	8.3	8.9	9.5	7.3	10.0	12.2	13.4	12.8	13.1	10.8	7.1
87°	2.8	3.0	3.4	3.2	4.2	5.1	6.0	5.6	5.8	3.9	2.2
88°	1.3	1.4	1.4	1.4	1.5	1.8	2.0	1.6	1.7	1.0	0.6
89°	0.5	0.5	0.5	0.6	0.7	0.6	0.6	0.4	0.4	0.3	0.2

REPORT NUMBER: P1440361

CATALOG NUMBER: XSF200-SFTR-5Hx5V-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: P1440361

CATALOG NUMBER: XSF200-SFTR-5Hx5V-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: P1440361
CATALOG NUMBER: XSF200-SFTR-5Hx5V-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: P1440361

CATALOG NUMBER: XSF200-SFTR-5Hx5V-850-Position 3

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	27591.7	27591.7	27591.7
1°	27663.3	27652.4	27619.9
2°	27643.7	27578.7	27518.0
3°	27531.0	27422.6	27327.2
4°	27329.3	27175.4	27060.5
5°	27073.5	26874.0	26739.6
6°	26785.1	26553.1	26394.8
7°	26468.5	26227.8	26054.4
8°	26145.4	25911.3	25750.8
9°	25841.9	25612.0	25438.6
10°	25527.5	25304.1	25106.8
11°	25195.7	24961.5	24720.9
12°	24844.5	24564.7	24259.0
13°	24415.1	24063.9	23710.4
14°	23907.8	23489.3	23088.1
15°	23300.6	22840.9	22400.8
16°	22615.4	22142.8	21683.1
17°	21863.0	21397.3	20924.4
18°	21021.1	20613.4	20134.5
19°	20111.5	19805.7	19315.7
20°	19130.5	18960.8	18450.8
21°	18062.0	18017.1	17487.8
22°	16928.0	16959.0	16413.6
23°	15673.0	15797.4	15244.1
24°	14373.9	14527.7	14003.4
25°	13071.9	13237.3	12758.5
26°	11773.5	11918.1	11500.0
27°	10534.7	10646.8	10284.7
28°	9369.7	9438.6	9149.8
29°	8322.4	8371.2	8179.9
30°	7424.5	7470.0	7379.0
31°	6698.1	6781.2	6749.5
32°	6123.9	6244.1	6258.4
33°	5670.1	5831.2	5881.5
34°	5311.3	5513.8	5583.2
35°	5017.2	5255.8	5342.1
36°	4781.6	5049.6	5141.7
37°	4578.2	4871.5	4968.9
38°	4389.3	4706.7	4808.4
39°	4206.1	4537.4	4645.2
40°	4024.8	4356.3	4470.0
41°	3840.7	4171.2	4287.4
42°	3643.8	3978.8	4090.5
43°	3454.5	3783.0	3883.2
44°	3264.8	3574.2	3666.2

REPORT NUMBER: P1440361

CATALOG NUMBER: XSF200-SFTR-5Hx5V-850-Position 3

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	3070.8	3358.1	3430.0
46°	2876.3	3137.5	3190.7
47°	2678.9	2922.7	2958.2
48°	2489.4	2708.9	2741.2
49°	2289.5	2482.1	2510.9
50°	2056.4	2250.5	2299.1
51°	1861.5	1999.7	2132.8
52°	1667.1	1822.8	1926.4
53°	1472.7	1647.8	1739.8
54°	1341.7	1472.9	1554.0
55°	1234.4	1364.8	1425.1
56°	1156.2	1258.1	1278.0
57°	1061.5	1133.6	1136.5
58°	970.1	1024.8	999.9
59°	887.9	933.5	904.4
60°	812.2	834.2	809.1
61°	745.9	746.6	723.5
62°	678.6	679.7	646.5
63°	613.8	617.0	582.3
64°	557.8	560.1	521.5
65°	508.4	506.6	470.0
66°	459.4	459.2	426.6
67°	411.7	419.2	387.2
68°	369.3	380.3	350.1
69°	329.4	343.2	315.9
70°	295.6	307.4	282.7
71°	264.9	274.7	253.5
72°	243.0	244.9	225.1
73°	232.4	215.6	198.7
74°	206.5	190.0	175.6
75°	172.6	164.4	152.6
76°	143.8	138.8	129.6
77°	123.9	116.7	110.1
78°	104.0	96.0	90.8
79°	84.2	76.9	71.6
80°	67.6	60.0	55.8
81°	51.7	45.1	42.5
82°	38.7	33.1	31.6
83°	27.6	24.1	22.5
84°	19.7	17.1	15.8
85°	11.9	10.2	9.1
86°	4.1	3.2	2.4
87°	1.0	0.8	0.7
88°	0.4	0.4	0.3
89°	0.2	0.2	0.2

REPORT NUMBER: P1440361

CATALOG NUMBER: XSF200-SFTR-5Hx5V-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: P1440361

CATALOG NUMBER: XSF200-SFTR-5Hx5V-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: P1440361

CATALOG NUMBER: XSF200-SFTR-5Hx5V-850-Position 3

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)