

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: P1440362

Luminaire Tested: XSF200-SFTR-5Hx5V-850-Position 4

Issue Date: 04/15/2026

Test Information

Test Method: LM-79-2024
Report Number: P1440362
Test Lab: THIRD PARTY NVLAP
Issue Date: 7/15/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XSF200-SFTR-5Hx5V-850-Position 4
Description: LUMARK ALL SELECTABLE LUMINAIRE 200W w/ NEMA 5 FLOOD DISTRIBUTION 5000K CCT
80 CRI LIGHT ENGINE AT Position 4
Light Source: (1) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13884 lumens
Efficiency: N/A
Efficacy: 171.4 lumens/watt
Luminous Opening: Rectangular (W 0.42' x L: 0.42' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

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

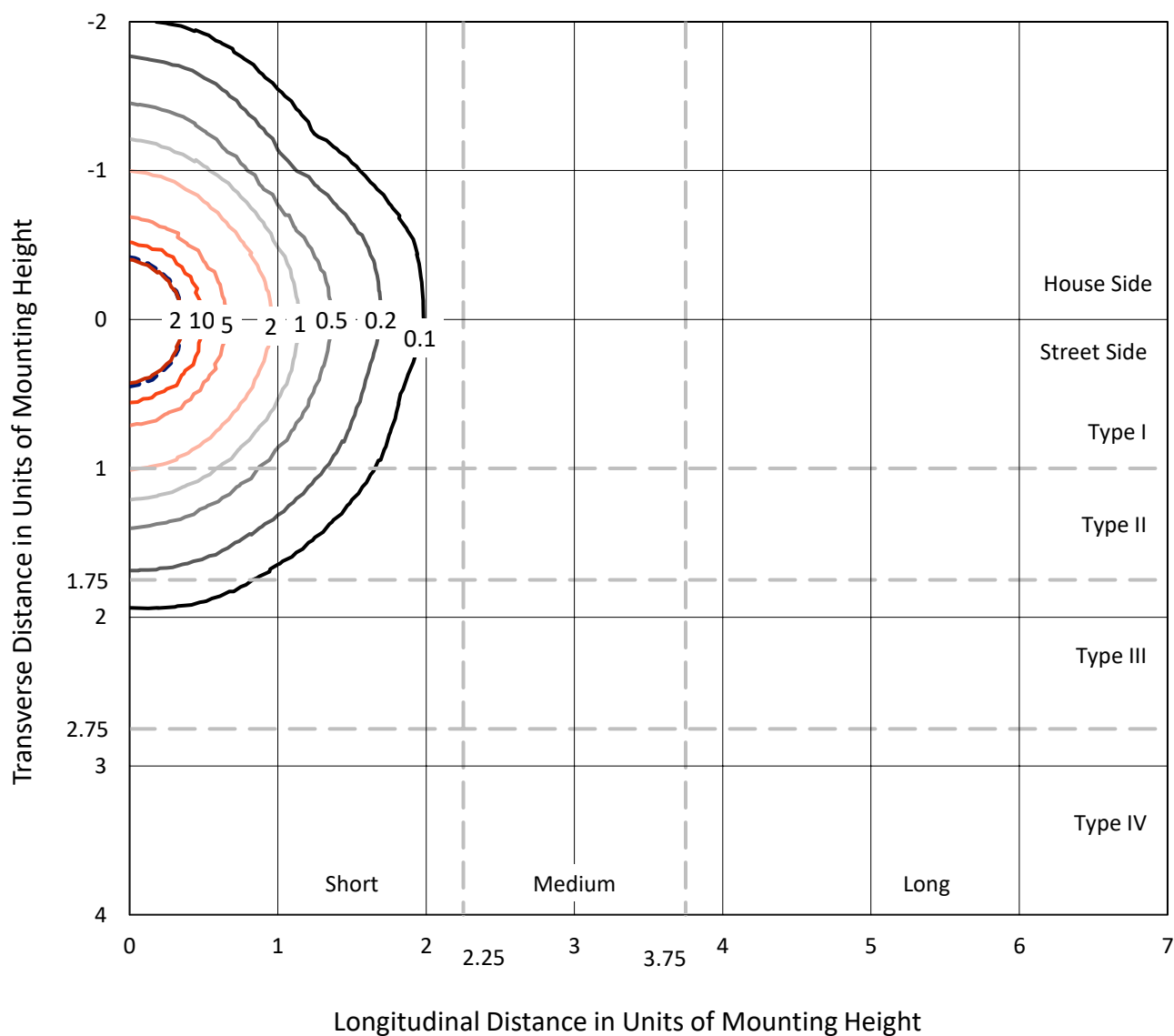
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



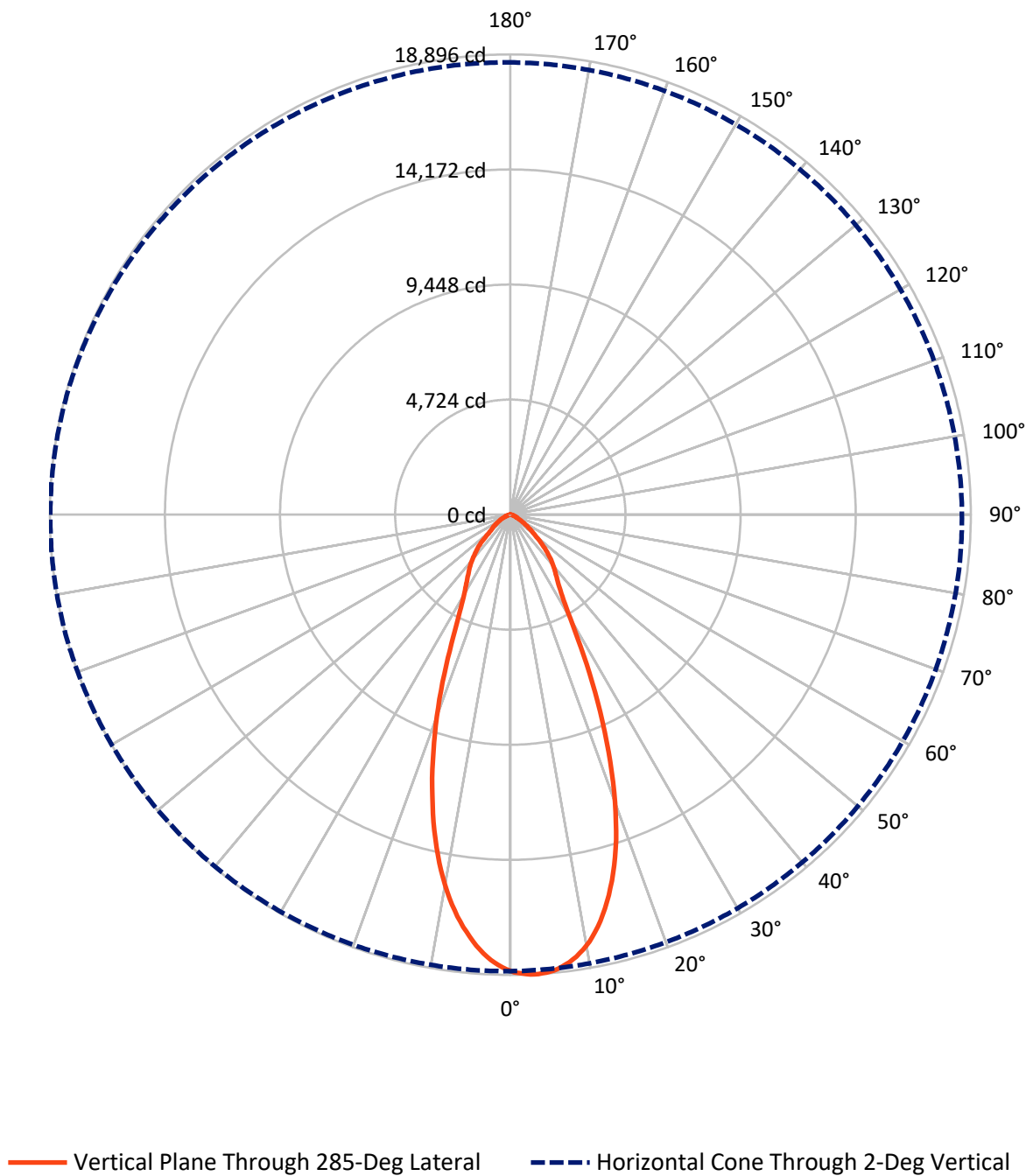
Based on 20 foot mounting height. Maximum calculated value = 47 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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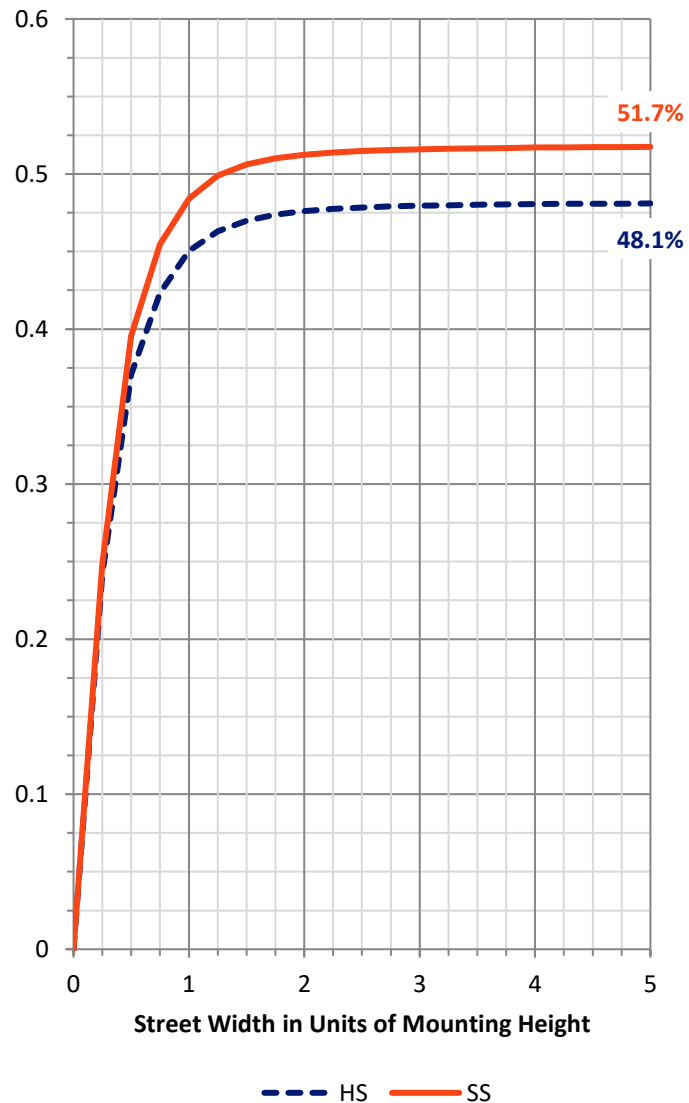
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6745.7	0.0	6745.7
	% Fixture	48.6	0.0	48.6
Street Side	Lumens	7138.3	0.0	7138.3
	% Fixture	51.4	0.0	51.4
Total	Lumens	13884.0	0.0	13884.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1689.7	12.2
10°-20°	3993.8	28.8
20°-30°	3390.1	24.4
30°-40°	2073.2	14.9
40°-50°	1511.8	10.9
50°-60°	750.7	5.4
60°-70°	338.0	2.4
70°-80°	121.5	0.9
80°-90°	15.3	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°	13884.0	100.0
0°-180°	13884.0	100.0

Coefficient of Utilization



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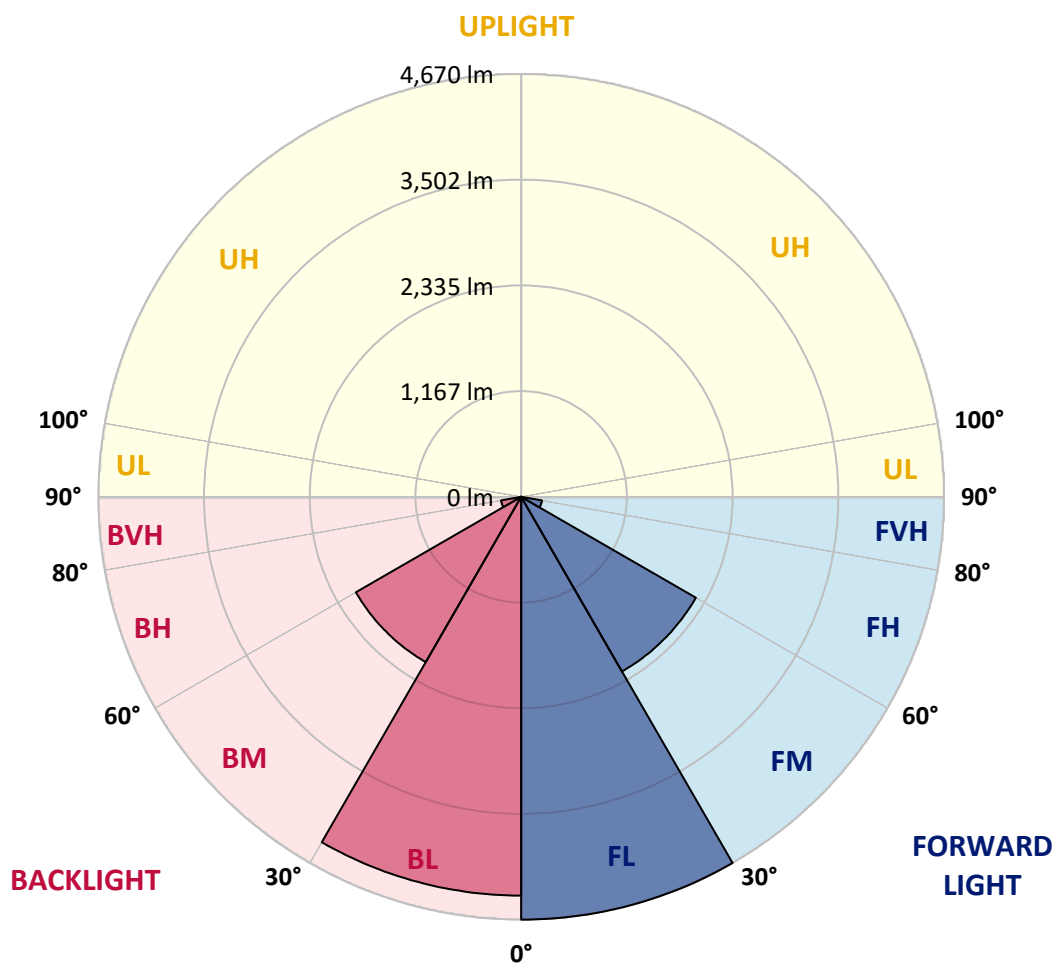
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4669.7	33.6			
FM	(30°-60°)	2228.0	16.0			
FH	(60°-80°)	233.4	1.7			G0/660
FVH	(80°-90°)	7.3	0.1			G0/10
BL	(0°-30°)	4403.9	31.7	B4/5000		
BM	(30°-60°)	2107.7	15.2	B2/2500		
BH	(60°-80°)	226.1	1.6	B1/500		G0/660
BVH	(80°-90°)	8.0	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	18792.3	18792.3	18792.3	18792.3	18792.3	18792.3	18792.3	18792.3	18792.3	18792.3	18792.3
1°	18811.5	18783.4	18758.3	18737.6	18717.0	18700.7	18683.0	18663.8	18662.3	18666.7	18678.6
2°	18742.1	18690.4	18654.9	18626.9	18598.8	18563.4	18533.8	18504.3	18494.0	18498.4	18499.9
3°	18612.1	18550.1	18496.9	18455.6	18414.2	18372.9	18328.6	18299.0	18279.8	18278.3	18287.2
4°	18430.5	18344.8	18281.3	18240.0	18186.8	18144.0	18083.4	18046.5	18030.2	18031.7	18043.5
5°	18211.9	18129.2	18050.9	17983.0	17919.5	17869.3	17798.4	17752.6	17736.4	17751.1	17780.7
6°	17977.1	17884.0	17795.4	17703.9	17612.3	17541.4	17460.2	17407.0	17402.6	17442.5	17508.9
7°	17745.2	17638.9	17525.2	17396.7	17268.2	17176.7	17096.9	17042.3	17043.7	17108.7	17219.5
8°	17538.5	17405.6	17250.5	17073.3	16900.5	16779.4	16676.0	16633.2	16659.8	16761.7	16928.6
9°	17325.8	17170.7	16965.5	16726.2	16498.8	16340.8	16218.2	16184.2	16230.0	16379.2	16611.0
10°	17099.9	16915.3	16658.3	16362.9	16079.4	15877.1	15716.1	15693.9	15772.2	15971.6	16250.7
11°	16837.0	16633.2	16323.1	15974.5	15627.5	15364.6	15185.9	15163.8	15283.4	15524.1	15860.8
12°	16522.4	16289.1	15961.3	15547.7	15156.4	14834.5	14608.8	14600.8	14751.2	15042.7	15410.4
13°	16148.8	15899.2	15535.9	15082.6	14640.0	14254.1	13990.6	13991.8	14183.9	14513.4	14906.8
14°	15725.0	15438.5	15044.2	14579.0	14077.3	13640.9	13344.2	13350.3	13581.4	13938.3	14350.2
15°	15256.8	14949.6	14485.6	14022.2	13491.9	12997.9	12661.5	12683.2	12931.3	13319.0	13737.3
16°	14768.0	14393.9	13902.9	13424.4	12854.2	12326.3	11966.5	11981.0	12248.3	12668.3	13081.9
17°	14251.3	13816.9	13285.0	12781.6	12177.7	11622.9	11262.8	11281.4	11546.8	11967.1	12395.8
18°	13713.3	13229.6	12646.4	12104.6	11481.7	10921.2	10564.9	10561.9	10825.4	11245.2	11684.1
19°	13155.6	12618.2	11976.8	11387.3	10763.9	10206.3	9867.2	9860.6	10097.3	10478.9	10940.4
20°	12566.5	11966.4	11278.5	10659.7	10047.0	9509.9	9174.3	9162.1	9366.9	9697.7	10155.8
21°	11910.7	11254.4	10537.6	9922.2	9317.3	8809.7	8476.7	8457.6	8630.6	8910.0	9335.1
22°	11179.1	10519.2	9782.2	9174.5	8598.5	8104.8	7793.1	7762.8	7918.3	8132.9	8513.6
23°	10382.5	9719.9	9007.3	8414.8	7870.8	7409.1	7117.3	7073.0	7198.4	7374.3	7703.4
24°	9537.5	8902.9	8235.4	7669.6	7165.1	6742.2	6471.9	6422.3	6508.4	6640.1	6942.9
25°	8689.6	8110.3	7489.9	6960.2	6491.3	6123.5	5894.2	5818.7	5866.1	5966.7	6238.4
26°	7832.5	7320.8	6763.4	6278.6	5866.1	5567.2	5380.3	5296.5	5290.8	5369.1	5598.7
27°	7004.8	6579.0	6090.9	5654.5	5316.3	5093.9	4946.1	4856.0	4810.1	4849.7	5058.0
28°	6231.8	5890.7	5486.2	5109.6	4834.3	4684.6	4577.9	4480.2	4408.4	4424.0	4595.9
29°	5571.2	5303.5	4967.8	4647.0	4437.3	4339.4	4269.1	4171.2	4077.1	4070.7	4223.4
30°	5025.7	4806.7	4534.2	4257.6	4096.9	4051.7	4012.3	3911.3	3809.8	3784.4	3916.8
31°	4597.0	4419.8	4173.1	3932.0	3814.1	3813.1	3795.4	3699.4	3586.3	3548.9	3674.3
32°	4262.5	4107.4	3875.0	3668.7	3582.0	3611.5	3614.9	3513.2	3400.8	3353.8	3472.1
33°	4005.8	3862.9	3634.4	3444.5	3385.3	3439.3	3455.6	3353.8	3241.6	3184.0	3300.6
34°	3802.6	3669.0	3436.4	3254.1	3210.9	3287.9	3318.4	3213.1	3098.3	3039.7	3157.1
35°	3638.4	3506.4	3269.8	3087.0	3057.0	3147.7	3187.4	3081.0	2965.6	2905.5	3028.2
36°	3501.9	3367.8	3125.9	2935.4	2919.5	3020.5	3062.9	2958.5	2843.0	2783.6	2907.7
37°	3384.2	3242.9	2997.3	2803.1	2793.8	2898.5	2943.7	2845.3	2720.4	2661.6	2795.0
38°	3275.0	3122.8	2879.3	2682.6	2676.4	2779.3	2830.4	2732.1	2597.8	2539.7	2682.3
39°	3163.7	3003.5	2764.7	2565.2	2558.7	2658.8	2717.2	2618.7	2474.1	2413.8	2569.5
40°	3044.4	2884.0	2644.5	2444.7	2441.4	2531.5	2603.7	2496.8	2354.2	2291.0	2447.9
41°	2920.1	2760.9	2517.5	2323.2	2320.8	2402.9	2473.9	2377.4	2227.3	2170.2	2323.2
42°	2786.0	2630.3	2386.7	2200.7	2197.2	2265.6	2337.8	2248.1	2099.7	2047.9	2197.2
43°	2644.8	2492.1	2258.2	2074.5	2072.4	2123.9	2203.2	2124.8	1969.8	1922.1	2071.1
44°	2497.0	2348.3	2126.1	1952.2	1947.3	1986.9	2069.9	2001.5	1839.4	1798.7	1953.2

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CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	2336.1	2202.9	1995.6	1830.6	1828.7	1858.6	1942.9	1882.2	1716.5	1681.6	1838.0
46°	2173.1	2060.4	1865.2	1712.6	1712.2	1732.4	1805.4	1751.2	1591.8	1580.6	1730.1
47°	2014.8	1919.1	1737.9	1596.4	1582.1	1594.4	1658.9	1595.8	1437.4	1466.8	1610.9
48°	1867.0	1783.4	1603.7	1465.1	1446.5	1465.1	1520.8	1439.8	1282.3	1327.3	1464.6
49°	1710.1	1632.6	1445.7	1324.3	1324.3	1337.7	1391.5	1288.2	1145.0	1188.3	1302.4
50°	1565.9	1475.4	1312.7	1185.9	1202.2	1229.3	1278.1	1156.5	1001.0	1014.1	1157.8
51°	1452.6	1305.3	1180.7	1047.5	1080.0	1121.5	1186.6	1063.5	890.6	876.3	1018.3
52°	1312.0	1187.7	1048.6	952.0	986.7	1035.7	1105.2	993.7	812.4	764.5	919.3
53°	1185.0	1070.0	944.6	880.1	897.8	943.6	1030.7	936.6	744.3	676.2	857.5
54°	1058.4	989.9	871.9	831.7	816.1	851.2	946.4	891.2	687.0	590.8	790.6
55°	970.6	887.0	796.0	777.9	752.4	772.8	871.7	835.8	634.4	517.3	715.8
56°	870.4	799.8	732.0	714.2	708.8	713.0	808.1	783.1	584.8	458.6	639.3
57°	774.0	730.2	669.0	658.7	669.2	657.8	743.5	727.1	545.5	419.0	575.1
58°	681.0	663.1	612.7	606.2	615.0	595.0	680.1	686.3	506.7	390.1	518.3
59°	616.0	612.0	564.2	554.2	572.3	542.0	623.6	626.7	459.0	364.0	471.6
60°	551.1	576.0	520.3	506.7	526.4	476.2	576.0	566.9	421.8	340.5	431.7
61°	492.8	525.9	472.2	465.2	477.4	423.0	525.2	526.9	398.7	321.0	394.4
62°	440.4	470.8	428.2	426.1	434.3	391.8	479.9	489.3	369.2	301.5	362.9
63°	396.6	422.3	391.2	390.8	397.8	364.9	445.1	451.4	341.0	282.1	336.0
64°	355.2	386.6	359.3	359.9	365.8	334.0	408.5	408.0	314.2	265.2	310.8
65°	320.1	349.8	332.0	331.8	334.5	306.1	372.4	369.0	287.5	249.2	285.6
66°	290.6	316.9	304.9	304.9	305.1	281.1	338.2	333.9	263.9	233.0	262.4
67°	263.7	287.3	279.0	279.3	276.9	259.1	304.0	298.9	240.9	217.0	238.9
68°	238.5	258.5	252.8	253.2	249.4	237.6	269.9	263.9	218.5	201.6	216.1
69°	215.2	231.7	225.9	226.9	223.5	215.8	240.3	235.5	198.3	186.0	197.0
70°	192.5	206.1	201.7	202.3	199.2	195.4	216.7	211.6	180.0	170.9	189.7
71°	172.6	183.3	183.7	179.7	177.5	176.6	208.3	189.7	163.2	155.8	180.2
72°	153.3	162.7	180.1	159.5	157.5	158.8	186.1	169.2	147.3	141.0	162.1
73°	135.3	143.6	161.3	141.0	139.2	141.6	160.5	149.7	131.7	125.7	138.7
74°	119.6	126.0	136.6	124.6	123.3	125.7	137.5	131.6	116.8	111.3	119.9
75°	103.9	108.5	117.1	108.3	107.3	110.0	118.5	114.3	102.6	97.8	103.7
76°	88.3	91.0	97.7	92.0	91.4	94.2	102.5	98.7	89.0	84.8	88.6
77°	75.0	76.1	78.3	77.3	77.7	80.3	88.3	84.3	76.4	72.4	75.3
78°	61.9	61.6	65.4	64.2	65.7	67.7	76.0	71.0	64.7	60.1	63.2
79°	48.8	49.2	53.9	52.8	54.4	55.9	63.9	58.7	54.0	49.3	52.9
80°	38.0	38.3	42.9	42.6	43.6	45.3	52.0	47.7	43.9	40.0	43.3
81°	28.9	29.0	32.5	33.9	35.3	36.7	42.3	39.4	35.9	32.5	35.0
82°	21.5	22.0	24.9	25.4	27.0	28.8	34.2	31.1	27.8	25.1	26.8
83°	15.3	15.5	16.9	17.7	19.6	21.4	26.1	22.9	19.8	17.7	18.5
84°	10.8	10.8	11.9	12.8	14.4	15.8	18.0	16.7	14.7	12.9	12.8
85°	6.2	6.3	6.9	8.0	9.3	10.7	11.4	11.5	9.9	8.4	7.8
86°	1.6	1.7	2.0	3.1	4.3	6.3	6.1	6.2	5.2	4.5	4.0
87°	0.5	0.5	0.5	0.8	1.3	2.0	2.4	2.3	2.0	1.8	1.7
88°	0.2	0.2	0.2	0.2	0.3	0.5	0.6	0.6	0.7	0.7	0.8
89°	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.3

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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: P1440362

CATALOG NUMBER: XSF200-SFTR-5Hx5V-850-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: P1440362
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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: P1440362

CATALOG NUMBER: XSF200-SFTR-5Hx5V-850-Position 4

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	18792.3	18792.3	18792.3	18792.3	18792.3	18792.3	18792.3	18792.3	18792.3	18792.3	18792.3
1°	18693.3	18724.3	18737.6	18770.1	18792.3	18818.9	18839.5	18849.9	18846.9	18858.7	18863.2
2°	18525.0	18567.8	18610.6	18668.2	18736.2	18796.7	18849.9	18880.9	18895.7	18885.3	18870.5
3°	18316.7	18359.6	18427.5	18513.2	18619.5	18722.9	18826.2	18869.1	18892.7	18873.5	18827.7
4°	18079.0	18132.1	18211.9	18319.7	18470.3	18618.0	18765.7	18832.1	18864.6	18814.4	18727.3
5°	17835.3	17895.9	17978.6	18101.1	18284.3	18479.2	18665.3	18767.2	18799.7	18719.9	18594.4
6°	17591.6	17653.7	17737.8	17882.6	18079.0	18307.9	18532.4	18665.3	18685.9	18592.9	18426.0
7°	17334.7	17424.8	17517.8	17658.1	17860.4	18107.0	18361.0	18514.6	18533.8	18420.1	18237.0
8°	17088.0	17203.2	17306.6	17448.4	17641.8	17888.5	18152.8	18327.1	18350.7	18220.8	18019.9
9°	16823.7	16961.0	17094.0	17235.7	17415.9	17641.8	17906.2	18084.9	18108.5	17980.0	17780.7
10°	16512.1	16681.9	16838.5	17005.3	17164.8	17361.3	17606.4	17794.0	17825.0	17700.9	17545.9
11°	16159.1	16351.1	16541.6	16738.0	16900.5	17042.3	17253.5	17436.6	17480.9	17381.9	17285.9
12°	15744.2	15950.9	16173.9	16427.9	16597.8	16699.7	16856.2	17024.5	17080.7	17027.5	17005.3
13°	15262.7	15479.8	15744.2	16063.1	16258.1	16296.5	16420.5	16571.2	16630.2	16628.8	16690.8
14°	14725.5	14971.8	15253.9	15636.4	15853.4	15871.2	15931.7	16067.6	16134.0	16193.1	16334.9
15°	14152.9	14435.9	14738.5	15150.5	15404.5	15395.6	15408.9	15507.9	15605.3	15717.6	15930.2
16°	13552.9	13892.0	14191.2	14600.8	14862.5	14849.2	14837.4	14895.0	15019.1	15205.1	15469.5
17°	12938.1	13347.9	13650.1	14004.5	14256.9	14262.8	14208.3	14225.3	14384.9	14628.7	14923.1
18°	12281.7	12778.6	13084.6	13374.3	13590.2	13614.8	13526.3	13509.8	13689.8	14019.8	14311.7
19°	11577.7	12146.2	12482.1	12709.3	12862.6	12902.9	12788.8	12747.1	12955.2	13337.4	13621.4
20°	10812.7	11435.9	11798.4	11990.7	12074.8	12135.3	12005.5	11949.8	12166.8	12587.5	12887.6
21°	9993.5	10635.6	11029.3	11194.4	11236.8	11329.9	11186.5	11134.5	11356.6	11797.6	12091.4
22°	9137.7	9781.3	10191.2	10334.6	10378.2	10479.4	10354.4	10309.2	10539.9	10966.7	11262.4
23°	8289.6	8903.0	9314.5	9426.0	9473.1	9607.8	9512.8	9486.2	9708.6	10117.8	10386.3
24°	7459.0	8028.5	8405.5	8536.6	8592.5	8726.7	8672.1	8659.7	8890.0	9254.1	9500.1
25°	6693.9	7175.5	7539.7	7662.5	7714.1	7888.9	7839.4	7848.2	8082.8	8409.9	8616.4
26°	5983.3	6383.6	6703.0	6837.9	6893.6	7034.1	7019.8	7053.0	7280.5	7568.7	7761.6
27°	5377.0	5709.3	5981.2	6109.1	6146.6	6260.9	6259.3	6309.3	6522.1	6777.8	6944.4
28°	4864.9	5132.2	5339.5	5449.7	5475.1	5547.0	5567.2	5629.4	5807.7	6031.0	6187.8
29°	4462.0	4691.2	4841.8	4909.5	4902.4	4934.1	4972.2	5055.1	5195.2	5367.3	5510.4
30°	4145.2	4343.1	4441.2	4457.6	4420.9	4430.1	4491.4	4586.5	4687.1	4796.5	4914.6
31°	3894.2	4080.4	4143.9	4104.9	4034.6	4033.6	4113.8	4217.3	4286.7	4332.0	4433.6
32°	3696.3	3869.7	3898.5	3816.6	3728.9	3718.3	3814.9	3924.7	3970.7	3972.3	4039.6
33°	3534.1	3699.2	3712.4	3589.5	3476.5	3472.8	3575.2	3692.6	3715.9	3678.7	3725.5
34°	3394.3	3564.1	3549.5	3403.1	3276.7	3271.8	3382.6	3503.1	3513.7	3445.1	3474.8
35°	3273.8	3448.3	3411.4	3243.8	3102.6	3103.9	3218.4	3341.7	3344.4	3253.2	3266.1
36°	3163.2	3343.8	3289.1	3102.0	2953.0	2957.3	3076.3	3205.4	3197.3	3087.8	3093.9
37°	3055.2	3241.6	3172.5	2973.4	2830.0	2836.2	2951.4	3079.6	3061.8	2942.2	2943.9
38°	2942.4	3134.2	3057.7	2856.6	2706.8	2715.2	2840.5	2966.2	2937.2	2809.8	2810.8
39°	2825.4	3023.2	2940.3	2739.9	2583.7	2594.1	2729.6	2853.9	2819.8	2685.0	2685.7
40°	2708.5	2905.2	2811.8	2623.1	2458.4	2471.3	2618.7	2737.1	2696.2	2562.1	2563.3
41°	2591.3	2782.1	2683.5	2495.5	2333.3	2348.4	2497.9	2614.1	2570.1	2440.1	2442.9
42°	2453.6	2658.8	2554.4	2358.4	2207.2	2223.9	2371.3	2485.3	2435.1	2313.8	2319.3
43°	2318.7	2522.2	2407.5	2220.8	2077.9	2099.0	2241.9	2345.9	2291.7	2188.3	2192.5
44°	2185.5	2383.4	2261.9	2076.7	1944.9	1970.6	2112.1	2204.7	2140.9	2057.2	2066.2

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CATALOG NUMBER: XSF200-SFTR-5Hx5V-850-Position 4

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	2059.2	2249.0	2116.5	1936.2	1811.3	1832.7	1979.8	2066.6	1987.8	1924.9	1939.6
46°	1935.5	2119.2	1984.8	1805.7	1686.2	1699.4	1851.2	1933.1	1836.5	1788.4	1816.0
47°	1799.2	1972.7	1850.1	1689.2	1570.1	1571.2	1723.9	1811.0	1702.0	1658.0	1697.3
48°	1643.2	1821.2	1689.9	1545.3	1441.7	1433.9	1586.1	1678.7	1562.5	1535.1	1582.2
49°	1502.3	1683.3	1533.8	1381.6	1279.4	1269.2	1436.0	1541.9	1421.0	1406.7	1446.6
50°	1383.3	1589.8	1417.7	1234.8	1106.8	1123.4	1276.7	1399.9	1313.3	1277.4	1316.9
51°	1273.3	1470.9	1332.4	1114.1	947.7	997.1	1135.6	1297.1	1205.7	1148.2	1164.5
52°	1185.3	1348.8	1233.0	981.6	805.7	864.7	1028.3	1194.7	1098.2	1018.9	1011.5
53°	1133.1	1279.1	1177.6	916.4	724.2	779.7	958.6	1092.3	1008.2	925.2	922.0
54°	1067.6	1214.7	1119.1	842.1	639.4	717.3	908.1	1001.0	918.6	849.7	853.4
55°	1000.3	1130.5	1028.8	762.5	556.2	660.7	867.3	918.0	834.2	786.0	789.2
56°	905.5	1035.2	931.5	687.2	487.7	614.3	823.9	849.8	762.0	736.6	731.5
57°	815.7	935.4	842.3	616.0	441.3	576.7	766.6	776.1	688.9	690.9	675.7
58°	749.5	849.4	762.9	552.2	409.6	542.1	710.4	707.6	614.4	627.8	624.8
59°	678.5	780.4	689.1	502.8	381.9	494.5	672.7	654.1	573.4	576.0	576.4
60°	604.1	705.5	616.5	465.6	357.2	446.2	615.8	599.3	517.5	542.7	532.0
61°	543.4	627.6	549.8	421.2	334.2	409.7	553.0	541.7	455.4	498.0	489.7
62°	491.1	559.3	489.4	378.9	313.8	381.3	506.3	499.5	410.5	452.6	449.4
63°	441.7	496.6	440.4	344.8	293.4	353.1	469.8	462.3	371.8	409.4	413.1
64°	404.0	443.3	397.3	317.2	275.9	326.7	427.8	424.6	338.5	373.2	378.8
65°	367.3	394.9	360.7	289.7	259.4	300.3	388.7	389.5	312.0	342.6	347.2
66°	333.3	355.1	328.5	267.5	243.1	273.9	353.2	356.2	287.6	313.4	318.5
67°	299.3	315.2	296.3	245.7	226.7	251.3	318.9	323.9	266.0	286.1	291.6
68°	265.5	275.5	264.0	223.7	210.6	231.3	284.8	292.6	245.0	259.6	264.5
69°	236.1	241.4	235.3	203.0	195.2	211.0	256.4	263.1	224.6	233.8	237.2
70°	206.8	211.8	208.8	186.4	180.1	191.5	229.7	235.2	204.7	209.4	211.7
71°	181.3	186.3	184.6	175.1	164.7	173.2	206.2	210.6	185.3	185.8	188.5
72°	158.5	163.5	162.8	167.0	149.6	156.6	184.5	194.1	167.5	165.4	167.7
73°	137.8	141.9	142.5	147.6	134.4	140.9	164.1	178.0	150.4	146.7	148.5
74°	118.3	122.3	123.1	125.5	119.3	125.5	144.8	153.5	134.2	130.5	132.0
75°	100.9	104.8	105.1	107.6	105.0	110.9	126.3	130.8	118.9	114.4	114.8
76°	85.8	89.3	89.5	91.5	91.5	97.0	108.4	112.7	103.6	98.3	97.5
77°	72.3	75.6	75.6	77.9	78.5	83.6	93.0	94.6	88.4	84.1	82.8
78°	60.1	63.3	62.9	65.9	65.8	70.8	78.9	80.4	75.0	71.3	69.2
79°	49.3	52.2	51.6	55.6	54.4	59.8	66.2	67.9	63.1	60.1	57.4
80°	39.7	42.3	41.6	45.7	44.5	49.4	54.5	55.6	51.5	49.0	46.9
81°	32.8	35.1	34.2	37.3	36.5	40.6	44.1	45.0	41.0	39.3	37.4
82°	25.9	27.8	26.9	28.9	28.5	31.7	36.1	36.2	32.5	30.8	28.4
83°	19.0	20.6	19.8	20.5	20.6	23.0	28.1	28.2	24.5	22.8	20.2
84°	15.3	16.7	16.0	14.8	16.4	17.9	20.1	20.5	18.6	16.9	13.8
85°	11.0	11.9	11.6	9.3	11.8	13.3	14.7	13.6	13.9	12.1	9.3
86°	5.6	6.1	6.4	5.0	6.8	8.3	9.1	8.7	8.9	7.4	4.8
87°	1.9	2.0	2.3	2.2	2.9	3.4	4.1	3.8	3.9	2.6	1.5
88°	0.9	0.9	1.0	0.9	1.0	1.2	1.4	1.1	1.1	0.7	0.4
89°	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.2	0.1

REPORT NUMBER: P1440362

CATALOG NUMBER: XSF200-SFTR-5Hx5V-850-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: P1440362

CATALOG NUMBER: XSF200-SFTR-5Hx5V-850-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: P1440362
CATALOG NUMBER: XSF200-SFTR-5Hx5V-850-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: P1440362

CATALOG NUMBER: XSF200-SFTR-5Hx5V-850-Position 4

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	18792.3	18792.3	18792.3
1°	18841.0	18833.6	18811.5
2°	18827.7	18783.4	18742.1
3°	18750.9	18677.1	18612.1
4°	18613.6	18508.7	18430.5
5°	18439.3	18303.5	18211.9
6°	18242.9	18084.9	17977.1
7°	18027.3	17863.4	17745.2
8°	17807.3	17647.8	17538.5
9°	17600.5	17444.0	17325.8
10°	17386.4	17234.3	17099.9
11°	17160.4	17000.9	16837.0
12°	16921.2	16730.7	16522.4
13°	16628.8	16389.5	16148.8
14°	16283.2	15998.2	15725.0
15°	15869.7	15556.6	15256.8
16°	15403.0	15081.1	14768.0
17°	14890.6	14573.4	14251.3
18°	14317.1	14039.5	13713.3
19°	13697.6	13489.4	13155.6
20°	13029.5	12913.9	12566.5
21°	12301.7	12271.2	11910.7
22°	11529.4	11550.5	11179.1
23°	10674.6	10759.4	10382.5
24°	9789.9	9894.6	9537.5
25°	8903.0	9015.7	8689.6
26°	8018.7	8117.2	7832.5
27°	7175.0	7251.4	7004.8
28°	6381.5	6428.5	6231.8
29°	5668.3	5701.5	5571.2
30°	5056.7	5087.7	5025.7
31°	4562.0	4618.5	4597.0
32°	4170.9	4252.7	4262.5
33°	3861.8	3971.6	4005.8
34°	3617.4	3755.4	3802.6
35°	3417.2	3579.6	3638.4
36°	3256.6	3439.2	3501.9
37°	3118.1	3317.9	3384.2
38°	2989.5	3205.7	3275.0
39°	2864.7	3090.4	3163.7
40°	2741.2	2967.0	3044.4
41°	2615.9	2840.9	2920.1
42°	2481.8	2709.9	2786.0
43°	2352.8	2576.6	2644.8
44°	2223.6	2434.4	2497.0

REPORT NUMBER: P1440362

CATALOG NUMBER: XSF200-SFTR-5Hx5V-850-Position 4

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	2091.4	2287.1	2336.1
46°	1959.0	2136.9	2173.1
47°	1824.6	1990.6	2014.8
48°	1695.5	1845.0	1867.0
49°	1559.4	1690.5	1710.1
50°	1400.6	1532.8	1565.9
51°	1267.8	1362.0	1452.6
52°	1135.5	1241.5	1312.0
53°	1003.1	1122.3	1185.0
54°	913.8	1003.2	1058.4
55°	840.8	929.6	970.6
56°	787.5	856.9	870.4
57°	723.0	772.1	774.0
58°	660.7	698.0	681.0
59°	604.7	635.8	616.0
60°	553.2	568.2	551.1
61°	508.0	508.5	492.8
62°	462.2	463.0	440.4
63°	418.1	420.3	396.6
64°	379.9	381.5	355.2
65°	346.3	345.0	320.1
66°	312.9	312.7	290.6
67°	280.4	285.5	263.7
68°	251.5	259.0	238.5
69°	224.4	233.8	215.2
70°	201.3	209.3	192.5
71°	180.5	187.1	172.6
72°	165.5	166.8	153.3
73°	158.3	146.9	135.3
74°	140.6	129.4	119.6
75°	117.5	112.0	103.9
76°	97.9	94.6	88.3
77°	84.4	79.5	75.0
78°	70.9	65.4	61.9
79°	57.3	52.4	48.8
80°	46.0	40.8	38.0
81°	35.2	30.7	28.9
82°	26.3	22.5	21.5
83°	18.8	16.4	15.3
84°	13.4	11.7	10.8
85°	8.1	6.9	6.2
86°	2.8	2.2	1.6
87°	0.7	0.6	0.5
88°	0.3	0.3	0.2
89°	0.1	0.1	0.1

REPORT NUMBER: P1440362

CATALOG NUMBER: XSF200-SFTR-5Hx5V-850-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: P1440362

CATALOG NUMBER: XSF200-SFTR-5Hx5V-850-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: P1440362

CATALOG NUMBER: XSF200-SFTR-5Hx5V-850-Position 4

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)