

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: P1440341

Luminaire Tested: XSF200-SFTR-4Hx4V-830-Position 3

Issue Date: 04/15/2026

Test Information

Test Method: LM-79-2024
Report Number: P1440341
Test Lab: THIRD PARTY NVLAP
Issue Date: 7/15/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XSF200-SFTR-4Hx4V-830-Position 3
Description: LUMARK ALL SELECTABLE LUMINAIRE 200W w/ NEMA 4 FLOOD DISTRIBUTION 3000K CCT
80 CRI LIGHT ENGINE AT Position 3
Light Source: (1) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18889.2 lumens
Efficiency: N/A
Efficacy: 158.7 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

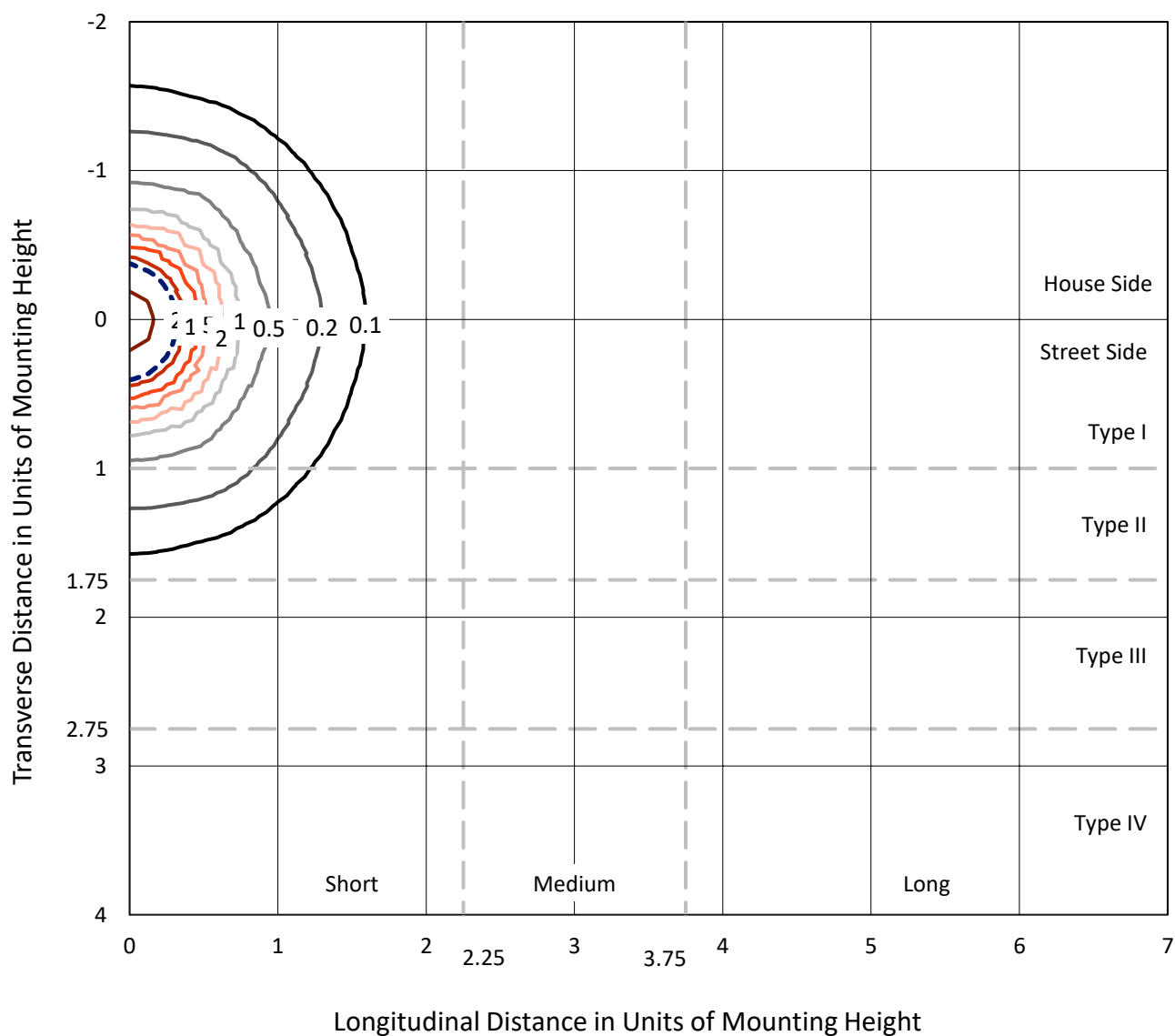
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



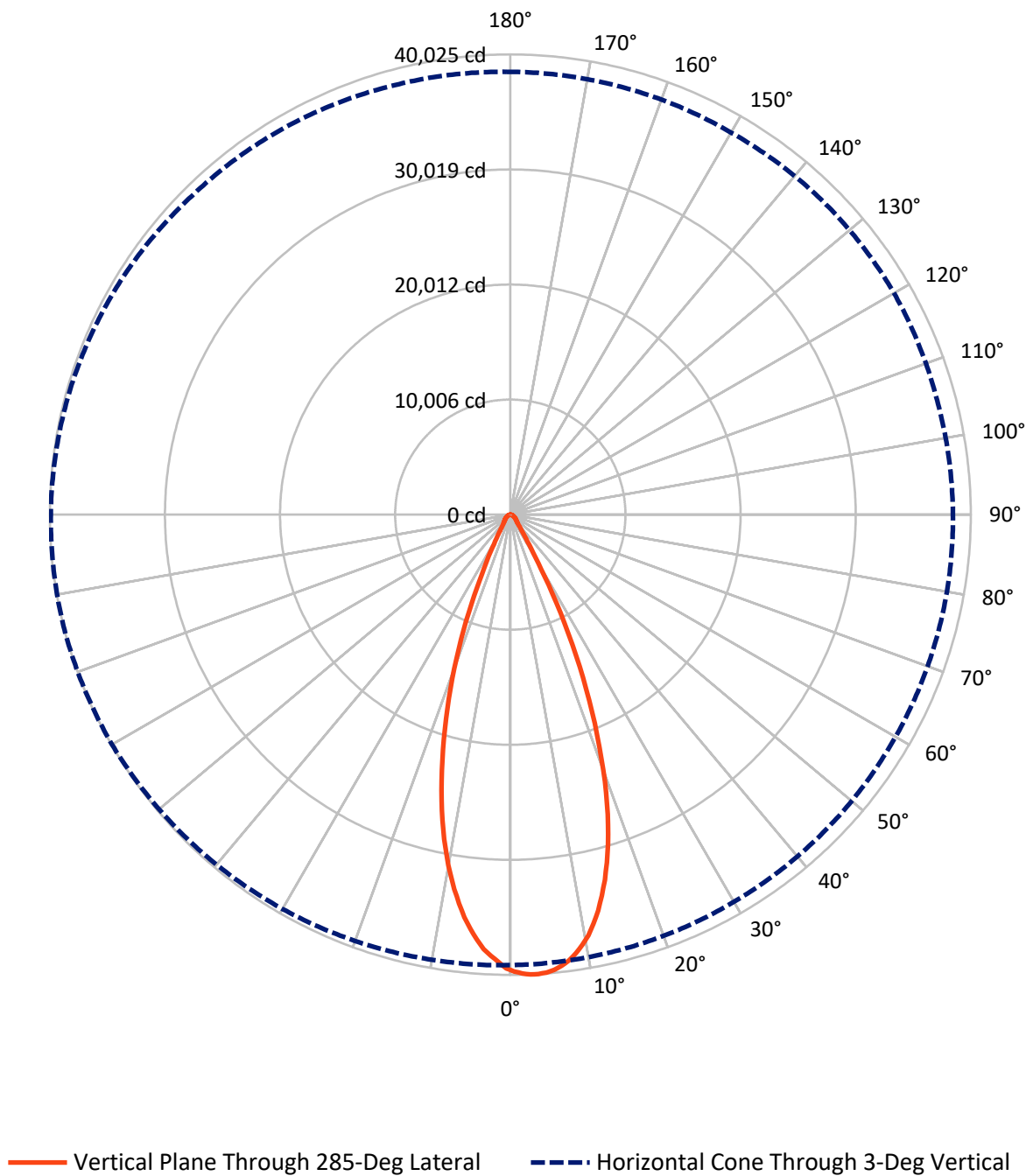
Based on 25 foot mounting height. Maximum calculated value = 63.6 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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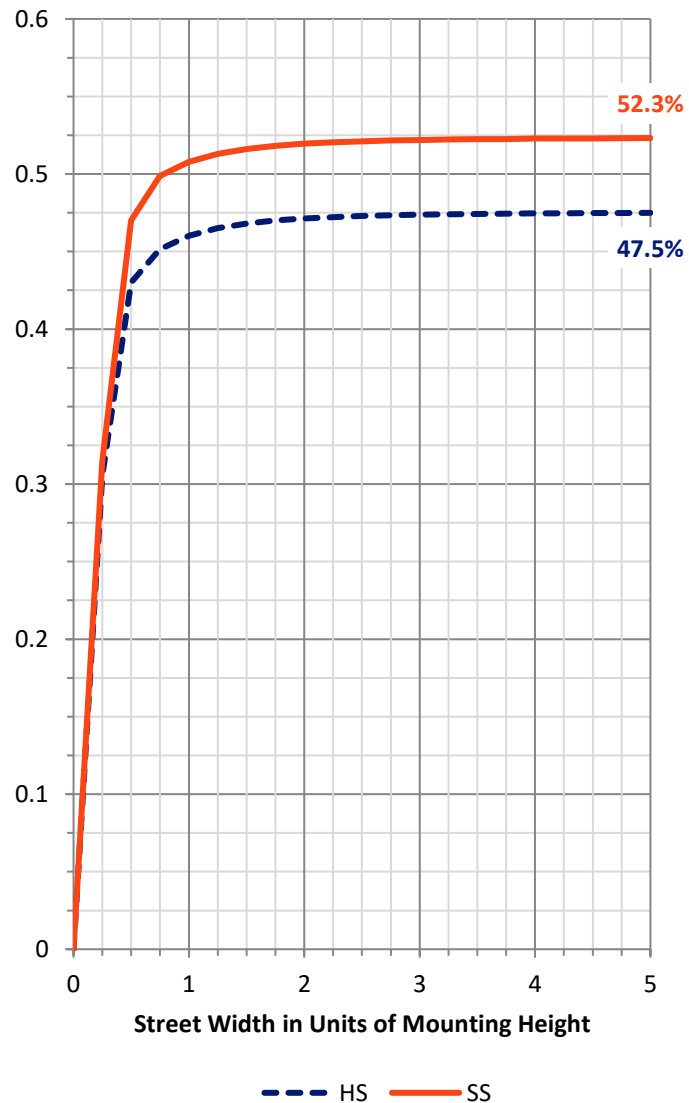
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9096.7	0.0	9096.7
	% Fixture	48.2	0.0	48.2
Street Side	Lumens	9792.6	0.0	9792.6
	% Fixture	51.8	0.0	51.8
Total	Lumens	18889.2	0.0	18889.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3517.8	18.6
10°-20°	7822.0	41.4
20°-30°	5009.5	26.5
30°-40°	1116.2	5.9
40°-50°	581.0	3.1
50°-60°	422.5	2.2
60°-70°	272.1	1.4
70°-80°	130.2	0.7
80°-90°	17.9	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°	18889.2	100.0
0°-180°	18889.2	100.0

Coefficient of Utilization



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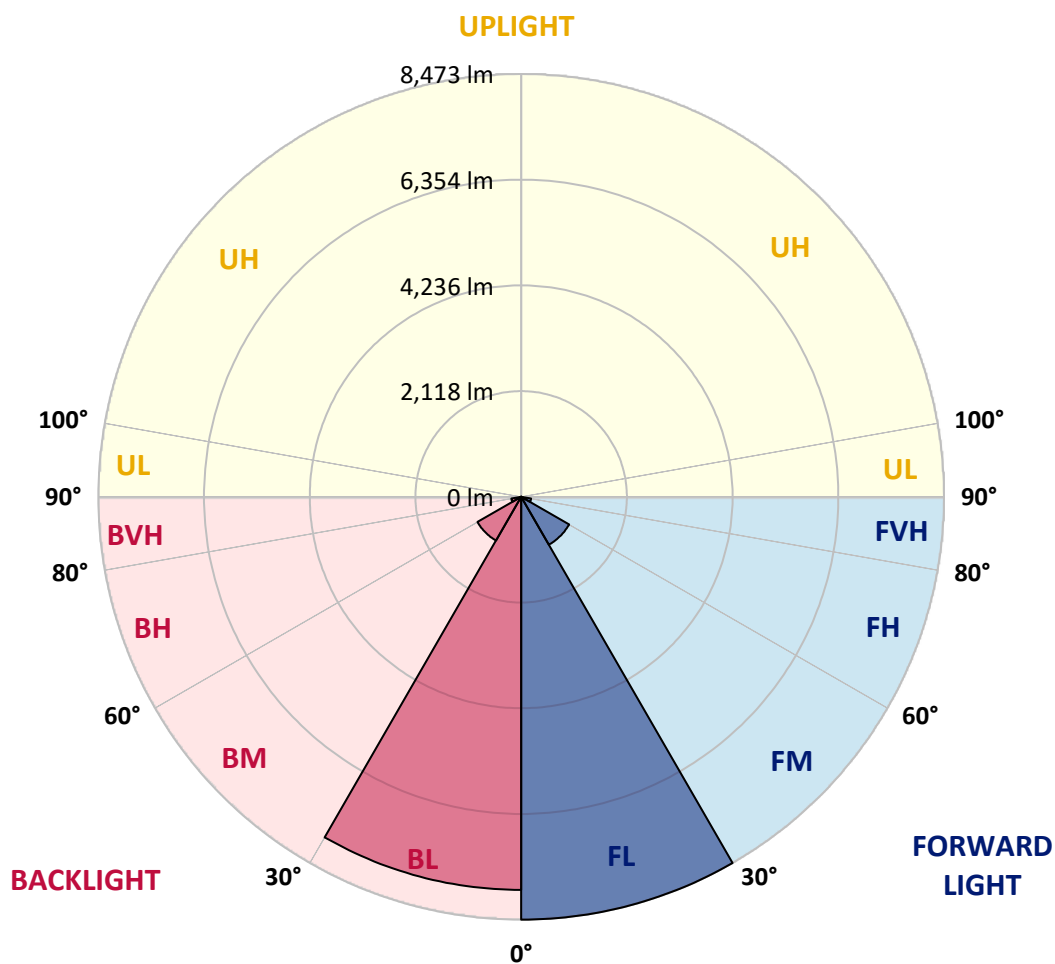
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	8472.5	44.9			
FM	(30°-60°)	1109.6	5.9			
FH	(60°-80°)	202.0	1.1			G0/660
FVH	(80°-90°)	8.5	0.0			G0/10
BL	(0°-30°)	7876.7	41.7	B5		
BM	(30°-60°)	1010.1	5.3	B2/2500		
BH	(60°-80°)	200.3	1.1	B1/500		G1/500
BVH	(80°-90°)	9.5	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	39728.8	39728.8	39728.8	39728.8	39728.8	39728.8	39728.8	39728.8	39728.8	39728.8	39728.8
1°	39743.2	39695.9	39619.8	39554.0	39496.5	39436.9	39467.7	39455.4	39436.9	39432.8	39432.8
2°	39554.0	39441.0	39311.5	39233.4	39136.8	39075.1	38972.3	38929.1	38980.5	38960.0	38900.4
3°	39175.8	39027.8	38877.8	38777.0	38659.9	38567.4	38474.9	38402.9	38518.0	38483.1	38368.0
4°	38668.1	38503.6	38328.9	38191.2	38072.0	37946.6	37975.3	37868.4	37812.9	37808.8	37833.5
5°	38082.2	37880.8	37691.7	37527.2	37352.5	37179.8	37210.7	37081.1	37040.0	37058.5	37120.2
6°	37459.4	37241.5	37019.5	36772.8	36538.5	36324.7	36310.3	36195.2	36189.0	36248.6	36409.0
7°	36861.2	36610.4	36302.1	35958.8	35642.2	35381.2	35327.7	35233.2	35218.8	35393.5	35668.9
8°	36298.0	36002.0	35582.6	35101.6	34667.9	34299.9	34234.1	34112.8	34172.5	34466.4	34887.8
9°	35730.6	35395.5	34840.5	34191.0	33590.7	33138.5	33009.0	32928.8	33050.1	33453.0	34059.4
10°	35177.7	34719.3	34059.4	33231.0	32460.1	31907.2	31699.6	31644.1	31864.0	32402.6	33144.7
11°	34530.1	33981.3	33187.8	32213.5	31288.4	30554.6	30310.0	30283.2	30583.4	31232.9	32123.0
12°	33707.9	33126.2	32260.7	31126.0	30063.3	29169.1	28797.0	28790.9	29216.4	29974.9	30967.8
13°	32762.3	32114.8	31161.0	29935.8	28733.3	27689.1	27226.6	27224.5	27750.7	28624.4	29699.5
14°	31672.8	30967.8	29900.9	28634.6	27345.8	26128.9	25545.1	25586.2	26194.6	27160.8	28285.2
15°	30492.9	29695.3	28509.3	27232.7	25804.1	24484.4	23826.6	23863.6	24554.3	25578.0	26733.2
16°	29228.7	28314.0	26988.1	25717.7	24169.9	22763.8	22050.5	22108.1	22823.4	23923.2	25059.9
17°	27931.6	26879.2	25444.3	24079.4	22488.4	21004.2	20293.4	20340.1	21051.5	22175.9	23347.6
18°	26659.2	25403.2	23826.6	22395.9	20753.4	19301.6	18553.3	18575.1	19250.4	20365.8	21571.6
19°	25284.0	23878.0	22153.3	20628.0	18948.8	17577.1	16827.8	16820.0	17432.2	18459.0	19703.6
20°	23818.4	22266.4	20430.9	18739.8	17218.6	15852.0	15135.7	15107.7	15666.0	16542.5	17770.5
21°	22178.0	20496.5	18571.8	16966.6	15488.8	14127.0	13431.4	13390.2	13883.6	14612.9	15716.0
22°	20310.7	18973.1	16708.8	15196.1	13721.0	12406.8	11747.2	11702.4	12121.9	12700.6	13682.1
23°	18219.9	16819.6	14845.8	13367.0	11984.0	10721.0	10094.5	10040.8	10410.8	10860.0	11702.8
24°	16125.4	14649.7	12960.0	11589.3	10290.8	9099.4	8508.4	8439.9	8750.9	9111.1	9841.0
25°	14031.0	12606.9	11121.3	9861.2	8675.5	7618.7	7090.8	6991.7	7223.0	7519.6	8140.0
26°	11911.8	10656.1	9368.6	8246.1	7196.1	6303.9	5861.6	5728.0	5882.5	6120.6	6612.5
27°	9768.7	8784.4	7745.7	6804.9	5923.0	5189.0	5012.6	4886.0	4994.5	5182.2	5348.1
28°	7799.4	7071.9	6292.2	5551.6	4830.9	4256.6	4163.8	4043.8	4106.7	4243.6	4525.6
29°	6183.5	5650.3	5108.2	4524.2	3966.3	3511.4	3316.3	3204.7	3227.3	3314.7	3703.2
30°	4844.5	4493.4	4120.9	3688.0	3263.5	2902.1	2766.0	2664.1	2670.6	2736.0	2885.0
31°	3819.7	3598.6	3344.7	3030.8	2705.4	2425.4	2328.6	2241.4	2244.1	2300.0	2399.1
32°	3034.5	2896.1	2751.0	2519.2	2272.3	2062.2	1990.2	1908.1	1915.5	1965.6	2031.2
33°	2476.6	2384.1	2290.6	2122.2	1929.7	1832.4	1727.9	1653.3	1660.2	1702.9	1753.1
34°	2055.0	1997.4	1945.4	1882.2	1717.0	1605.2	1529.0	1454.4	1457.2	1502.0	1542.6
35°	1812.9	1772.5	1742.5	1642.5	1506.1	1378.1	1371.3	1298.8	1298.1	1341.7	1382.0
36°	1573.6	1550.3	1540.2	1402.9	1295.1	1242.3	1248.1	1176.2	1173.2	1217.0	1259.4
37°	1334.4	1328.1	1338.0	1256.0	1166.9	1133.6	1148.9	1077.3	1070.0	1114.1	1161.6
38°	1196.6	1195.7	1218.2	1140.3	1064.3	1044.5	1066.3	995.3	987.6	1031.5	1084.0
39°	1087.4	1088.9	1123.8	1044.4	980.2	970.1	999.9	929.0	919.0	963.8	1021.9
40°	998.3	1002.5	1047.2	964.5	911.4	909.0	944.1	873.5	862.5	908.4	970.1
41°	925.8	931.5	983.8	901.7	854.1	857.7	897.5	827.0	814.9	862.0	926.9
42°	863.2	872.7	930.3	848.9	806.1	814.6	858.7	786.9	773.9	823.0	888.5
43°	810.4	822.8	884.2	804.1	763.4	776.5	824.9	752.7	739.2	789.8	854.8
44°	763.9	780.0	842.6	765.0	725.5	742.6	794.6	722.9	707.1	761.0	825.2

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CATALOG NUMBER: XSF200-SFTR-4Hx4V-830-Position 3

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	723.1	741.4	806.2	730.7	691.8	711.9	767.1	695.7	678.3	733.7	795.4
46°	686.0	706.8	772.9	700.9	661.9	684.2	740.5	669.2	651.8	706.8	763.8
47°	653.8	675.5	742.4	674.8	634.6	658.3	711.4	643.5	626.5	679.0	728.8
48°	624.0	646.3	713.9	649.9	609.2	631.6	681.9	618.4	602.8	651.5	693.6
49°	595.1	616.9	683.5	625.2	584.8	606.1	653.0	593.8	580.0	623.4	657.6
50°	567.7	588.2	651.4	600.5	561.7	580.8	622.8	569.4	557.3	595.6	622.3
51°	542.7	559.4	617.4	574.4	539.0	554.9	592.0	545.0	535.9	568.6	588.2
52°	519.1	531.5	583.2	548.6	516.7	528.4	561.9	521.6	514.0	541.4	555.0
53°	497.6	505.3	550.0	522.6	494.8	503.1	533.6	498.1	492.3	514.9	523.2
54°	476.2	479.0	517.4	497.0	473.2	478.5	505.2	476.2	471.2	488.7	492.7
55°	455.4	454.0	485.9	471.8	452.4	455.2	479.1	454.8	450.8	463.9	466.5
56°	434.8	430.0	455.8	446.7	432.1	433.9	456.9	433.3	430.3	439.2	441.0
57°	415.1	407.6	427.8	422.3	412.5	413.7	434.7	411.9	409.9	414.5	415.6
58°	394.3	385.8	403.3	398.4	393.3	394.2	412.5	392.1	391.3	390.5	392.9
59°	375.0	365.7	380.5	375.1	375.0	375.9	392.7	373.1	372.9	368.0	371.1
60°	355.1	345.9	358.1	352.0	356.0	358.3	373.3	354.8	354.6	346.6	350.4
61°	336.6	327.2	336.8	330.5	337.6	341.7	355.1	338.0	336.2	327.7	330.7
62°	318.7	309.7	317.4	311.7	320.6	325.4	340.6	322.4	318.9	311.1	314.9
63°	300.9	293.4	300.2	294.7	303.6	310.3	330.0	307.5	302.5	295.6	301.3
64°	283.7	278.7	286.3	279.3	287.2	295.3	319.5	292.9	286.2	280.5	288.8
65°	266.8	264.1	274.4	264.5	270.9	280.4	306.7	277.8	270.0	265.6	274.8
66°	250.0	250.1	262.5	249.7	254.4	265.9	292.8	262.7	253.3	251.1	258.1
67°	233.7	236.3	247.3	234.7	237.7	251.8	277.3	247.9	236.3	237.1	239.0
68°	217.3	221.6	228.7	220.0	220.3	236.1	260.4	232.3	218.5	222.5	219.1
69°	200.0	207.1	210.4	204.2	201.8	219.5	242.2	216.2	199.2	207.0	206.0
70°	183.3	190.8	194.4	187.8	184.3	203.1	228.2	199.7	180.0	190.9	220.1
71°	166.7	175.3	198.3	171.3	166.9	186.1	250.2	182.8	163.3	174.3	228.8
72°	150.1	159.8	202.7	154.9	149.4	169.1	228.9	166.0	148.0	157.5	211.5
73°	135.7	144.3	207.0	138.2	133.8	152.1	192.9	149.4	132.7	140.1	175.2
74°	122.1	128.2	171.7	122.8	119.0	136.1	162.2	133.3	118.2	123.6	149.3
75°	108.5	111.9	137.5	107.3	104.9	120.4	139.6	118.8	104.7	108.6	130.3
76°	95.6	97.5	113.8	93.1	91.7	104.9	122.8	105.7	91.4	93.9	113.0
77°	82.7	83.4	96.0	80.0	79.2	89.4	108.3	91.4	79.0	79.4	97.5
78°	70.0	69.2	81.2	67.3	67.2	74.9	94.9	76.7	66.9	66.0	82.6
79°	57.7	55.8	67.8	55.0	55.9	61.5	81.3	63.3	55.7	54.9	69.7
80°	46.2	44.0	54.5	43.8	45.3	49.7	67.8	52.5	46.0	43.7	56.8
81°	36.0	33.5	41.4	33.9	35.6	39.1	55.3	41.7	36.3	32.6	45.8
82°	26.5	24.5	30.5	24.8	26.9	30.0	44.7	31.0	26.6	24.7	34.8
83°	21.1	19.6	20.9	19.4	20.6	22.9	34.0	24.0	21.0	19.3	23.8
84°	15.8	14.8	13.9	14.0	16.1	17.5	23.3	19.6	16.8	15.5	16.9
85°	10.6	10.0	6.9	8.7	11.6	12.1	14.5	14.5	12.0	10.9	10.0
86°	2.2	2.3	2.3	4.0	5.2	6.7	7.5	7.9	6.3	5.7	4.7
87°	0.6	0.6	0.6	0.9	1.5	2.2	3.0	2.6	2.0	2.3	2.0
88°	0.3	0.3	0.3	0.3	0.4	0.6	0.9	0.9	0.9	0.9	0.9
89°	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.3	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: P1440341

CATALOG NUMBER: XSF200-SFTR-4Hx4V-830-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: P1440341

CATALOG NUMBER: XSF200-SFTR-4Hx4V-830-Position 3

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	39728.8	39728.8	39728.8	39728.8	39728.8	39728.8	39728.8	39728.8	39728.8	39728.8	39728.8
1°	39488.3	39517.0	39586.9	39646.5	39714.4	39769.9	39819.2	39878.8	39917.9	39932.3	39917.9
2°	38957.9	39013.4	39132.6	39389.6	39554.0	39718.5	39852.1	39967.2	40020.7	40016.6	39934.3
3°	38427.6	38509.8	38678.4	38949.7	39175.8	39531.4	39788.4	39948.7	40024.8	39977.5	39794.6
4°	37895.2	38006.2	38222.0	38507.7	38799.6	39206.6	39632.2	39854.2	39942.6	39829.5	39543.8
5°	37241.5	37371.0	37593.0	37936.3	38421.4	38881.9	39410.2	39697.9	39776.1	39552.0	39167.6
6°	36573.4	36752.3	36982.5	37336.0	37878.7	38553.0	38994.9	39428.7	39484.2	39212.8	38721.5
7°	35928.0	36154.1	36421.3	36774.9	37325.8	38006.2	38577.6	39025.8	39095.6	38760.6	38209.7
8°	35278.4	35580.6	35876.6	36228.1	36739.9	37438.8	38160.3	38528.3	38585.9	38230.2	37644.4
9°	34591.8	34959.8	35301.0	35675.1	36156.1	36789.3	37504.6	37903.4	37946.6	37588.9	37044.1
10°	33808.6	34256.7	34667.9	35099.5	35520.9	36065.7	36723.5	37126.4	37218.9	36859.1	36413.1
11°	32891.8	33403.7	33915.5	34445.9	34852.9	35251.7	35825.2	36197.2	36287.7	36024.6	35740.9
12°	31839.3	32398.5	32990.5	33658.6	34092.3	34341.0	34791.2	35116.0	35253.7	35107.8	35035.8
13°	30632.7	31214.4	31909.2	32737.6	33235.1	33333.8	33640.1	33911.4	34088.2	34065.6	34207.4
14°	29288.3	29900.9	30673.8	31672.8	32225.8	32238.1	32410.8	32595.8	32809.6	32926.8	33298.8
15°	27841.2	28581.2	29362.3	30437.4	31068.5	31035.6	31064.4	31144.5	31399.4	31714.0	32254.6
16°	26334.4	27222.4	28020.0	29051.9	29718.0	29658.3	29611.1	29567.9	29890.6	30384.0	31076.7
17°	24819.4	25890.4	26673.6	27582.2	28227.6	28194.7	28036.5	27870.0	28277.0	28945.0	29703.6
18°	23195.5	24484.4	25306.6	26005.5	26540.0	26558.5	26328.3	26038.4	26478.3	27341.7	28133.1
19°	21425.6	22936.5	23804.0	24361.0	24722.8	24798.9	24428.9	24108.2	24609.8	25623.2	26424.9
20°	19522.7	21158.4	22134.8	22552.1	22747.4	22876.9	22508.9	22099.9	22619.9	23730.0	24509.0
21°	17447.4	19192.6	20189.2	20582.8	20671.2	20868.6	20437.1	20076.3	20609.5	21727.8	22504.8
22°	15311.2	17017.6	18071.7	18424.8	18516.7	18777.4	18407.2	18041.7	18583.5	19673.4	20412.6
23°	13159.4	14772.4	15803.5	16165.3	16297.1	16633.0	16304.3	16006.8	16556.9	17571.6	18232.4
24°	11088.2	12497.3	13505.4	13893.3	14087.1	14519.4	14250.3	13972.2	14530.1	15468.7	16051.4
25°	9121.4	10290.8	11231.6	11690.0	11961.6	12409.7	12221.6	11955.4	12534.1	13365.8	13870.4
26°	7360.7	8268.9	9120.7	9637.3	9969.3	10384.5	10208.0	10005.5	10567.7	11367.1	11791.8
27°	5871.2	6524.7	7261.9	7842.2	8153.8	8479.8	8341.7	8155.2	8678.4	9414.1	9831.4
28°	4907.2	5421.5	5691.0	6234.5	6559.9	6760.1	6642.5	6519.8	6961.5	7614.2	8018.3
29°	3943.1	4318.2	4744.3	5217.5	5224.7	5333.7	5239.7	5155.9	5496.5	6038.6	6425.6
30°	2986.8	3218.5	3797.5	4200.4	4292.9	4340.6	4282.0	4086.3	4313.7	4725.2	5052.5
31°	2446.4	2613.7	2865.9	3195.0	3362.4	3352.9	3324.9	3278.1	3428.3	3714.5	3988.7
32°	2040.3	2159.6	2346.1	2607.5	2730.5	2707.9	2687.9	2672.5	2768.7	2955.6	3163.6
33°	1741.7	1823.4	1968.8	2175.0	2261.6	2221.5	2217.8	2225.0	2284.6	2399.3	2552.9
34°	1517.8	1572.1	1680.6	1854.2	1903.7	1865.5	1871.0	1881.5	1925.0	1993.1	2100.6
35°	1342.5	1378.1	1465.6	1612.8	1636.1	1596.8	1610.5	1666.5	1713.5	1762.1	1848.7
36°	1210.1	1230.3	1302.3	1434.3	1431.5	1396.0	1413.7	1453.3	1503.9	1533.4	1598.9
37°	1102.2	1115.0	1172.5	1295.8	1275.8	1243.3	1263.7	1308.4	1294.4	1304.8	1349.2
38°	1016.2	1022.3	1071.2	1190.4	1154.3	1122.1	1143.1	1198.4	1173.8	1174.3	1208.7
39°	945.8	947.8	990.6	1107.3	1057.9	1028.6	1047.1	1107.6	1075.5	1068.5	1099.0
40°	888.6	885.4	925.0	1040.1	980.1	949.5	968.2	1033.5	994.8	982.0	1009.8
41°	840.7	833.1	870.4	984.4	916.2	885.4	903.2	972.1	928.7	909.6	938.6
42°	799.9	787.7	825.1	936.1	864.6	830.2	847.7	921.6	871.3	848.1	878.6
43°	765.1	749.2	786.4	893.7	820.9	783.9	800.3	879.1	822.5	796.3	828.9
44°	734.2	714.7	752.9	856.5	782.7	743.2	759.8	841.8	780.7	751.2	786.5

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CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	706.0	684.3	724.0	823.3	749.3	706.6	723.8	810.0	744.6	712.7	750.1
46°	679.0	656.0	697.6	792.3	719.9	673.8	692.7	780.8	711.9	677.1	717.5
47°	651.2	628.9	671.2	762.2	692.6	644.1	664.5	753.8	683.0	645.5	688.6
48°	623.1	603.9	644.6	729.7	666.4	616.8	639.9	728.7	656.8	617.6	662.4
49°	595.4	580.0	618.0	694.0	639.4	592.1	617.8	703.4	633.6	593.0	638.4
50°	567.8	556.6	591.4	658.3	611.4	568.3	594.5	676.0	611.9	569.3	615.7
51°	540.6	534.5	565.5	621.7	583.4	544.8	571.4	645.2	587.7	546.9	592.1
52°	513.9	511.9	539.6	586.5	555.5	522.0	546.9	613.9	562.4	524.6	567.6
53°	488.0	490.7	512.8	552.4	527.4	500.2	523.2	581.0	537.4	503.2	542.7
54°	464.1	470.6	487.2	518.8	499.2	478.4	499.3	547.9	512.4	482.4	516.6
55°	440.9	450.1	462.5	486.3	471.5	457.1	476.2	514.8	486.2	461.0	489.9
56°	417.9	429.5	437.7	458.7	446.7	435.9	453.1	483.8	461.3	440.0	462.1
57°	397.6	409.0	413.0	431.1	421.9	414.7	429.9	454.7	436.4	419.4	435.9
58°	377.5	390.2	389.8	403.6	397.2	394.7	406.7	429.5	413.8	399.0	411.1
59°	357.3	371.6	366.1	380.3	375.3	375.4	385.4	406.6	392.0	379.3	387.2
60°	338.2	353.4	343.4	357.4	353.2	356.4	364.3	385.7	370.7	360.1	363.3
61°	321.1	335.6	323.5	335.8	332.9	338.4	344.5	365.1	350.1	341.4	340.0
62°	306.2	318.1	306.8	317.8	314.2	321.0	326.4	346.0	330.9	323.4	318.2
63°	292.1	300.9	292.2	302.3	297.5	304.1	310.8	330.3	314.0	305.8	299.3
64°	278.2	284.2	278.4	290.6	282.1	287.5	296.8	319.4	298.8	289.2	283.1
65°	264.5	266.7	264.7	278.7	267.8	271.6	283.3	312.0	284.1	273.4	268.6
66°	250.0	250.0	250.9	265.6	253.6	255.5	269.7	303.2	270.1	257.3	254.5
67°	235.4	233.9	237.1	249.5	239.6	239.4	255.1	291.6	255.6	241.6	240.6
68°	220.2	216.7	222.3	230.6	225.9	223.0	240.6	278.0	241.8	225.5	226.8
69°	204.7	198.1	206.8	212.7	211.5	205.7	226.0	262.0	227.4	209.0	212.5
70°	189.0	180.4	191.3	203.2	195.9	187.7	210.6	244.5	212.3	190.5	197.5
71°	173.1	164.6	175.6	206.5	180.2	170.8	194.5	226.7	197.1	174.5	181.4
72°	156.8	150.0	159.8	215.9	163.9	155.3	178.0	225.1	180.5	158.5	165.2
73°	140.6	136.3	144.0	191.7	147.4	140.1	160.9	217.9	163.8	142.9	149.1
74°	124.7	122.6	127.8	156.2	130.9	125.3	144.2	185.4	147.1	127.9	132.9
75°	109.9	109.0	112.3	131.9	115.3	111.3	128.5	158.0	130.1	113.5	116.8
76°	95.6	95.9	98.1	112.6	100.1	98.0	113.0	130.7	114.9	99.9	101.8
77°	81.9	83.3	84.3	97.1	85.5	85.2	99.4	112.2	101.2	86.8	87.8
78°	68.9	71.0	70.8	83.2	71.4	73.0	85.6	96.7	85.9	74.3	74.3
79°	56.9	59.7	58.3	70.4	58.6	61.4	71.7	82.4	71.0	62.5	61.1
80°	47.2	49.8	48.3	58.1	48.3	51.1	58.5	69.1	57.7	51.3	49.5
81°	37.5	40.0	38.4	47.2	37.9	40.9	48.2	56.6	45.7	41.0	39.1
82°	27.8	30.2	28.5	36.3	27.6	30.7	38.0	45.1	35.4	31.5	29.3
83°	24.1	26.1	24.2	25.5	21.7	23.7	27.9	34.9	26.5	23.5	20.7
84°	23.1	25.5	23.7	19.1	20.0	20.7	23.1	25.3	22.2	18.7	16.2
85°	18.4	20.2	19.2	12.0	16.4	17.3	19.3	18.2	16.3	13.9	11.7
86°	9.5	10.3	11.1	6.0	10.1	11.5	12.6	11.1	10.3	9.1	6.8
87°	2.7	2.7	3.3	2.5	4.1	3.6	4.5	4.1	4.4	3.3	2.0
88°	1.1	1.2	1.2	1.1	1.2	1.3	1.9	1.4	1.3	0.8	0.5
89°	0.4	0.4	0.4	0.5	0.6	0.5	0.5	0.3	0.3	0.2	0.2

REPORT NUMBER: P1440341

CATALOG NUMBER: XSF200-SFTR-4Hx4V-830-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: P1440341

CATALOG NUMBER: XSF200-SFTR-4Hx4V-830-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: P1440341
CATALOG NUMBER: XSF200-SFTR-4Hx4V-830-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: P1440341

CATALOG NUMBER: XSF200-SFTR-4Hx4V-830-Position 3

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	39728.8	39728.8	39728.8
1°	39870.6	39811.0	39743.2
2°	39819.2	39685.6	39554.0
3°	39597.2	39377.3	39175.8
4°	39219.0	38908.6	38668.1
5°	38750.3	38376.2	38082.2
6°	38197.3	37761.6	37459.4
7°	37627.9	37175.7	36861.2
8°	37075.0	36620.7	36298.0
9°	36503.5	36090.3	35730.6
10°	35960.8	35553.8	35177.7
11°	35397.6	34972.1	34530.1
12°	34785.0	34273.2	33707.9
13°	34036.8	33418.1	32762.3
14°	33142.6	32408.7	31672.8
15°	32112.7	31296.7	30492.9
16°	30924.6	30098.2	29228.7
17°	29613.1	28811.4	27931.6
18°	28182.4	27483.5	26659.2
19°	26636.6	26141.2	25284.0
20°	24899.6	24700.2	23818.4
21°	23100.9	23113.3	22178.0
22°	21121.4	21314.6	20310.7
23°	19069.9	19316.6	18219.9
24°	16858.3	17102.5	16125.4
25°	14645.6	14887.3	14031.0
26°	12433.2	12672.0	11911.8
27°	10333.8	10469.4	9768.7
28°	8375.8	8359.8	7799.4
29°	6668.0	6564.0	6183.5
30°	5218.4	5103.3	4844.5
31°	4093.1	3977.4	3819.7
32°	3242.3	3148.6	3034.5
33°	2607.5	2539.7	2476.6
34°	2152.6	2097.5	2055.0
35°	1903.0	1848.9	1812.9
36°	1656.7	1602.9	1573.6
37°	1410.4	1356.9	1334.4
38°	1274.6	1218.5	1196.6
39°	1173.9	1108.6	1087.4
40°	1091.5	1019.0	998.3
41°	1027.8	947.2	925.8
42°	974.1	886.5	863.2
43°	928.7	834.9	810.4
44°	887.7	790.0	763.9

REPORT NUMBER: P1440341

CATALOG NUMBER: XSF200-SFTR-4Hx4V-830-Position 3

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	850.2	750.5	723.1
46°	814.9	714.9	686.0
47°	782.6	683.0	653.8
48°	752.1	655.6	624.0
49°	722.3	629.6	595.1
50°	692.2	604.7	567.7
51°	660.9	580.3	542.7
52°	626.0	555.0	519.1
53°	590.2	530.6	497.6
54°	553.3	506.0	476.2
55°	517.7	481.0	455.4
56°	482.0	455.9	434.8
57°	449.9	430.4	415.1
58°	420.2	405.1	394.3
59°	393.5	379.6	375.0
60°	370.5	355.7	355.1
61°	348.2	333.2	336.6
62°	326.7	312.5	318.7
63°	307.4	294.4	300.9
64°	291.8	279.2	283.7
65°	278.0	264.9	266.8
66°	267.1	251.4	250.0
67°	255.1	237.8	233.7
68°	237.8	223.3	217.3
69°	218.6	208.9	200.0
70°	201.1	193.5	183.3
71°	199.8	177.9	166.7
72°	198.9	162.2	150.1
73°	197.9	146.6	135.7
74°	180.0	131.5	122.1
75°	147.1	116.5	108.5
76°	121.0	100.8	95.6
77°	101.9	86.5	82.7
78°	86.0	72.9	70.0
79°	71.9	59.2	57.7
80°	58.3	46.9	46.2
81°	45.0	35.8	36.0
82°	33.5	26.3	26.5
83°	23.7	21.4	21.1
84°	16.9	16.6	15.8
85°	10.3	11.8	10.6
86°	3.6	3.3	2.2
87°	0.8	0.6	0.6
88°	0.4	0.3	0.3
89°	0.1	0.1	0.1

REPORT NUMBER: P1440341

CATALOG NUMBER: XSF200-SFTR-4Hx4V-830-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: P1440341

CATALOG NUMBER: XSF200-SFTR-4Hx4V-830-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: P1440341

CATALOG NUMBER: XSF200-SFTR-4Hx4V-830-Position 3

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)