

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: P1440346

Luminaire Tested: XSF200-SFTR-4Hx4V-840-Position 4

Issue Date: 04/15/2026

Test Information

Test Method: LM-79-2024
Report Number: P1440346
Test Lab: THIRD PARTY NVLAP
Issue Date: 7/15/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XSF200-SFTR-4Hx4V-840-Position 4
Description: LUMARK ALL SELECTABLE LUMINAIRE 200W w/ NEMA 4 FLOOD DISTRIBUTION 4000K CCT
80 CRI LIGHT ENGINE AT Position 4
Light Source: (1) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13366.9 lumens
Efficiency: N/A
Efficacy: 165.0 lumens/watt
Luminous Opening: Rectangular (W 0.42' x L: 0.42' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 81
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

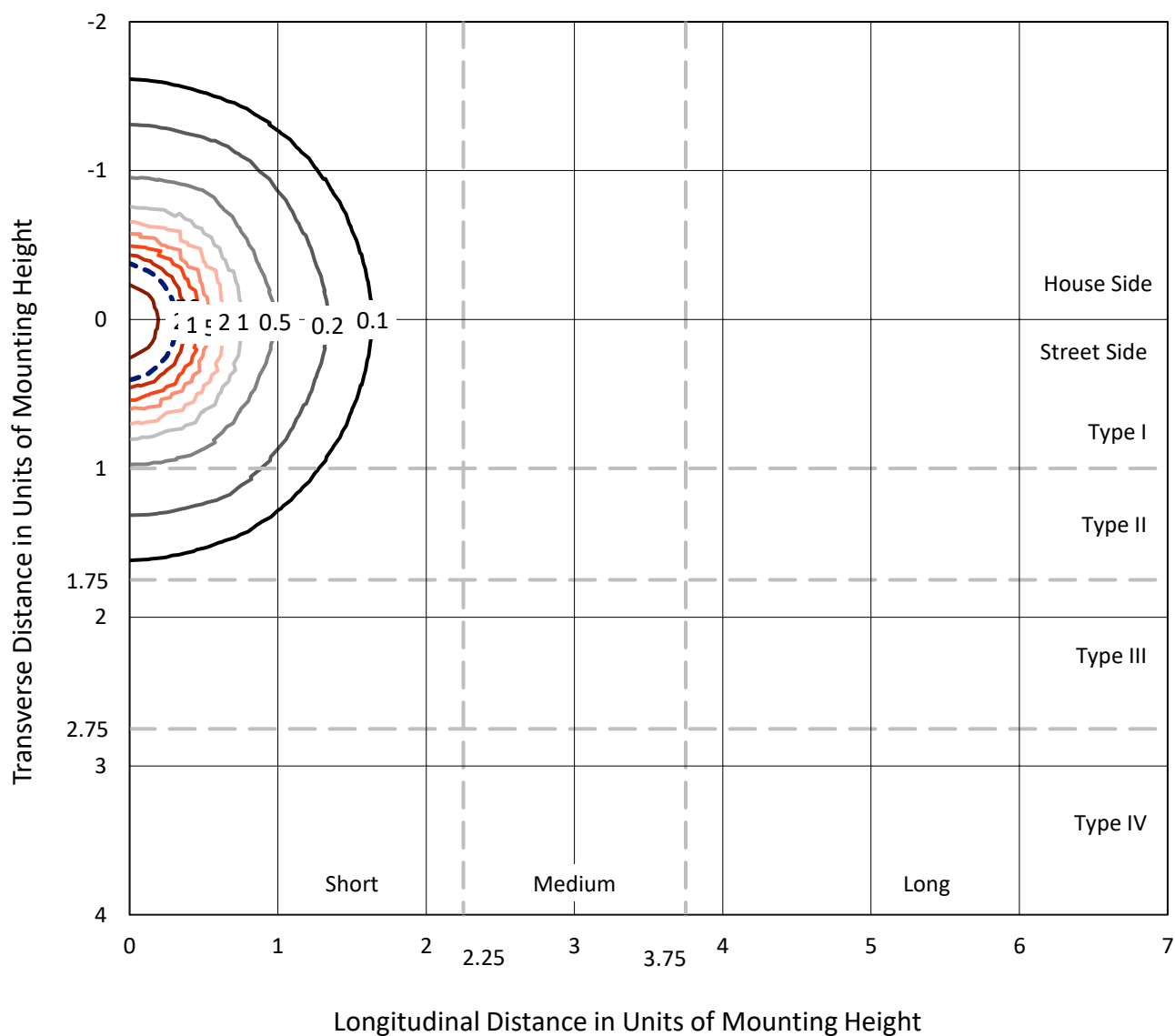
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



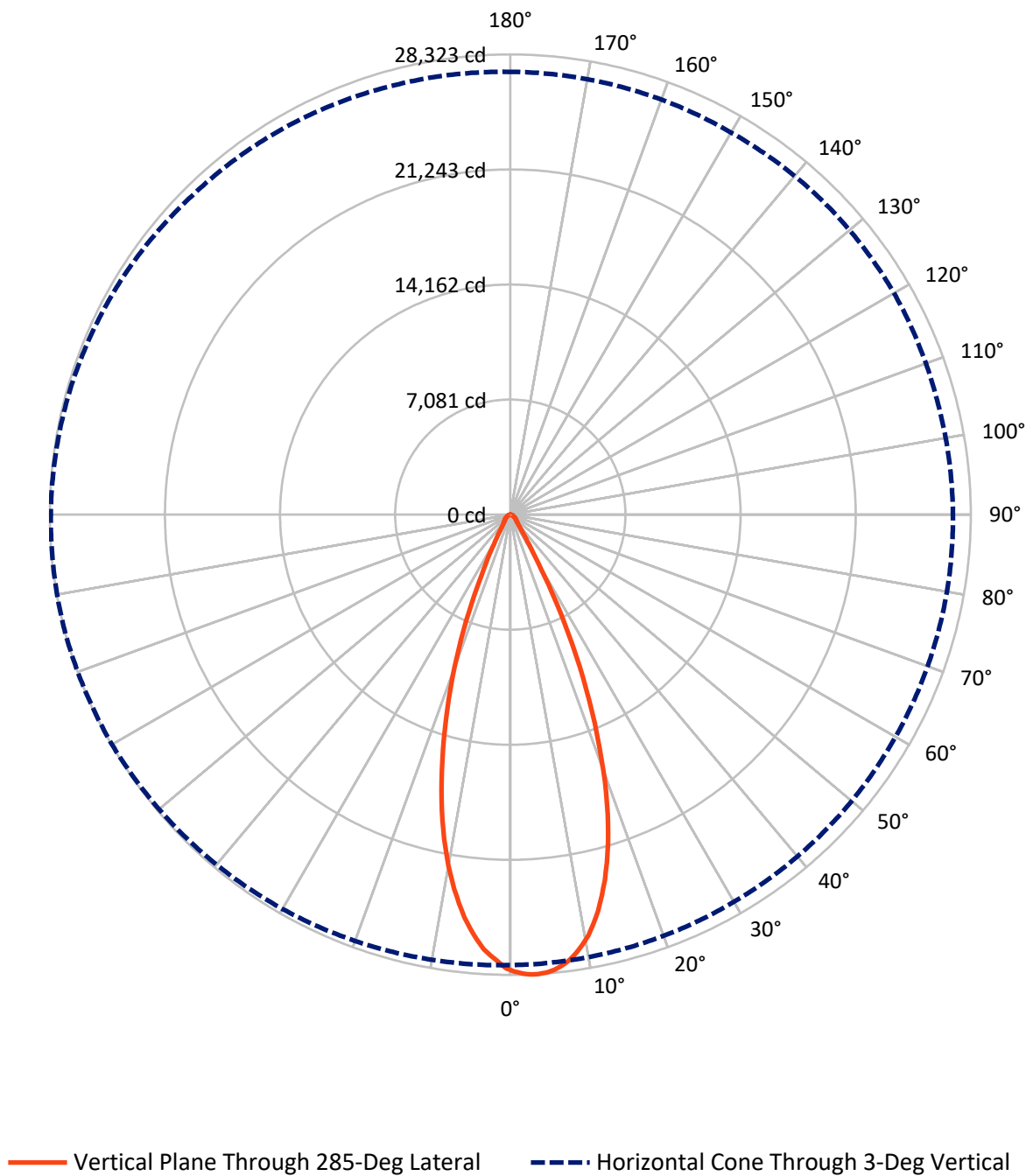
Based on 20 foot mounting height. Maximum calculated value = 70.3 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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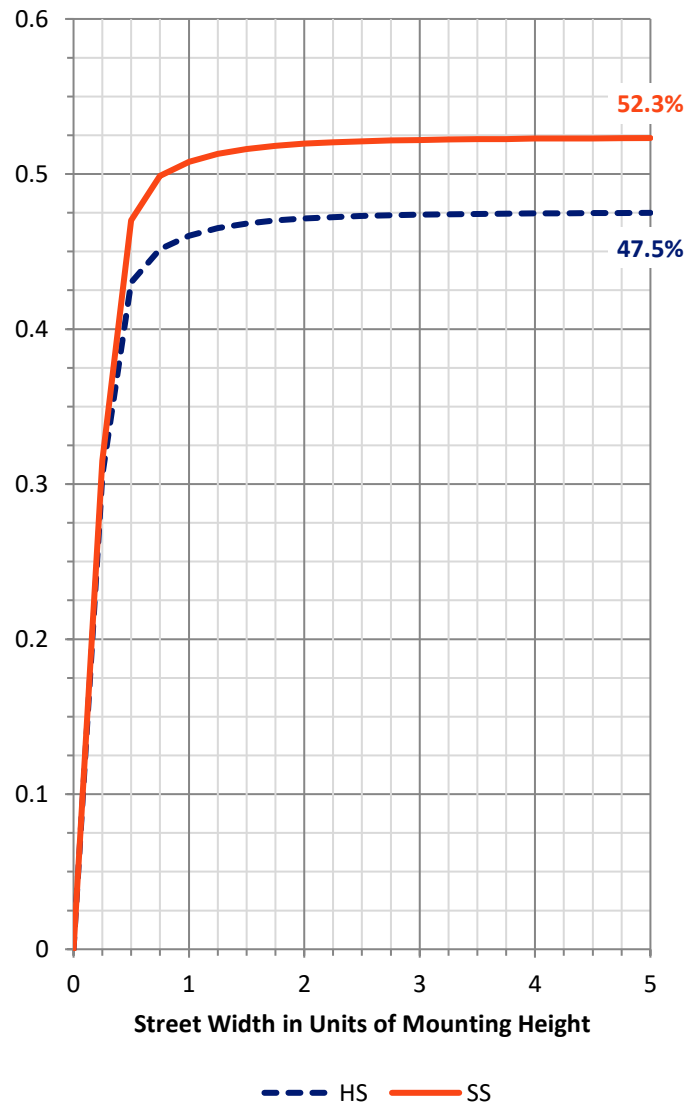
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6437.2	0.0	6437.2
	% Fixture	48.2	0.0	48.2
Street Side	Lumens	6929.7	0.0	6929.7
	% Fixture	51.8	0.0	51.8
Total	Lumens	13366.9	0.0	13366.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2489.4	18.6
10°-20°	5535.2	41.4
20°-30°	3544.9	26.5
30°-40°	789.9	5.9
40°-50°	411.2	3.1
50°-60°	299.0	2.2
60°-70°	192.6	1.4
70°-80°	92.1	0.7
80°-90°	12.7	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°	13366.9	100.0
0°-180°	13366.9	100.0

Coefficient of Utilization



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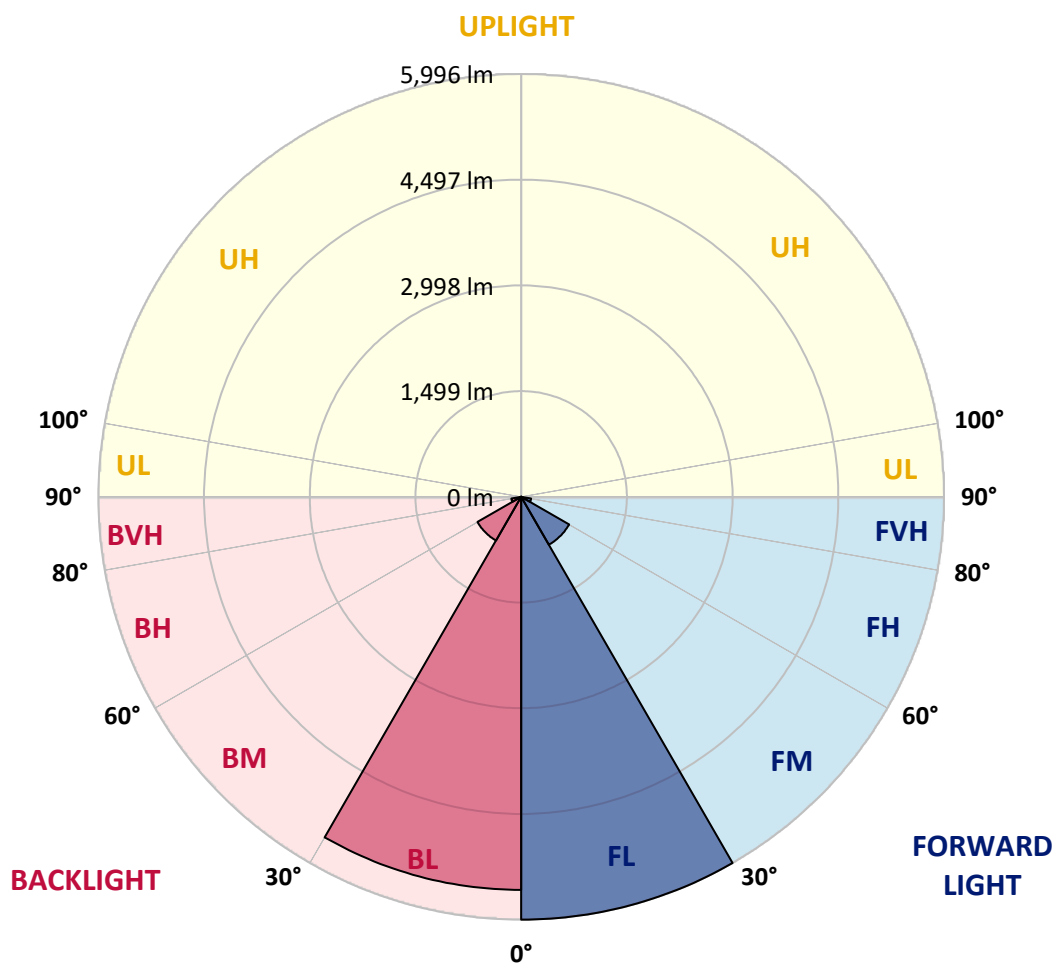
CATALOG NUMBER: XSF200-SFTR-4Hx4V-840-Position 4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5995.6	44.9			
FM	(30°-60°)	785.2	5.9			
FH	(60°-80°)	142.9	1.1			G0/660
FVH	(80°-90°)	6.0	0.0			G0/10
BL	(0°-30°)	5574.0	41.7	B5		
BM	(30°-60°)	714.8	5.3	B1/1000		
BH	(60°-80°)	141.8	1.1	B1/500		G1/500
BVH	(80°-90°)	6.7	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°	28113.9	28113.9	28113.9	28113.9	28113.9	28113.9	28113.9	28113.9	28113.9	28113.9	28113.9
1°	28124.1	28090.7	28036.8	27990.3	27949.6	27907.4	27929.2	27920.5	27907.4	27904.5	27904.5
2°	27990.3	27910.3	27818.6	27763.4	27695.0	27651.4	27578.6	27548.1	27584.4	27569.9	27527.7
3°	27722.6	27617.9	27511.7	27440.4	27357.5	27292.1	27226.6	27175.7	27257.1	27232.4	27151.0
4°	27363.3	27247.0	27123.3	27025.9	26941.5	26852.8	26873.1	26797.5	26758.2	26755.3	26772.7
5°	26948.8	26806.2	26672.4	26556.0	26432.4	26310.2	26332.0	26240.3	26211.3	26224.3	26268.0
6°	26508.0	26353.8	26196.7	26022.1	25856.3	25705.0	25694.9	25613.4	25609.0	25651.2	25764.7
7°	26084.7	25907.2	25689.0	25446.1	25222.1	25037.4	24999.5	24932.6	24922.4	25046.1	25241.0
8°	25686.1	25476.7	25179.9	24839.5	24532.6	24272.2	24225.7	24139.8	24182.0	24390.0	24688.2
9°	25284.6	25047.5	24654.8	24195.1	23770.4	23450.3	23358.7	23302.0	23387.8	23672.9	24102.0
10°	24893.3	24569.0	24102.0	23515.8	22970.3	22579.0	22432.1	22392.8	22548.5	22929.6	23454.7
11°	24435.1	24046.7	23485.2	22795.7	22141.2	21621.8	21448.7	21429.8	21642.2	22101.9	22731.7
12°	23853.3	23441.6	22829.2	22026.2	21274.2	20641.4	20378.1	20373.8	20674.9	21211.6	21914.2
13°	23184.1	22725.9	22051.0	21184.0	20333.0	19594.1	19266.8	19265.3	19637.7	20255.9	21016.7
14°	22413.2	21914.2	21159.3	20263.2	19351.1	18490.0	18076.9	18106.0	18536.5	19220.2	20015.9
15°	21578.2	21013.8	20174.5	19271.1	18260.2	17326.3	16860.8	16887.0	17375.7	18100.2	18917.7
16°	20683.6	20036.3	19098.0	18199.1	17103.7	16108.7	15604.0	15644.7	16150.9	16929.2	17733.6
17°	19765.7	19020.9	18005.6	17039.7	15913.8	14863.6	14360.5	14393.6	14897.0	15692.7	16521.9
18°	18865.3	17976.5	16860.8	15848.4	14686.1	13658.7	13129.2	13144.6	13622.5	14411.8	15265.0
19°	17892.1	16897.2	15676.7	14597.4	13409.1	12438.4	11908.2	11902.6	12335.8	13062.4	13943.2
20°	16855.0	15756.7	14457.9	13261.1	12184.7	11217.6	10710.7	10690.9	11086.0	11706.3	12575.3
21°	15694.2	14504.3	13142.3	12006.4	10960.6	9996.9	9504.7	9475.6	9824.7	10340.8	11121.3
22°	14372.8	13426.2	11823.9	10753.5	9709.6	8779.7	8312.9	8281.1	8578.0	8987.5	9682.1
23°	12893.2	11902.3	10505.6	9459.1	8480.4	7586.7	7143.3	7105.4	7367.2	7685.0	8281.4
24°	11411.1	10366.8	9171.1	8201.1	7282.2	6439.1	6020.9	5972.5	6192.6	6447.4	6964.0
25°	9929.0	8921.2	7869.9	6978.2	6139.2	5391.4	5017.8	4947.7	5111.3	5321.2	5760.2
26°	8429.4	7540.7	6629.7	5835.3	5092.3	4461.0	4147.9	4053.4	4162.8	4331.2	4679.3
27°	6912.8	6216.3	5481.2	4815.5	4191.4	3672.0	3547.2	3457.5	3534.4	3667.2	3784.6
28°	5519.2	5004.4	4452.7	3928.6	3418.6	3012.1	2946.5	2861.6	2906.1	3003.0	3202.5
29°	4375.7	3998.4	3614.8	3201.5	2806.7	2484.8	2346.8	2267.8	2283.8	2345.6	2620.5
30°	3428.2	3179.7	2916.1	2609.8	2309.4	2053.7	1957.4	1885.2	1889.9	1936.1	2041.6
31°	2703.0	2546.5	2366.9	2144.7	1914.5	1716.3	1647.8	1586.1	1588.0	1627.6	1697.7
32°	2147.3	2049.4	1946.8	1782.7	1608.0	1459.3	1408.3	1350.3	1355.5	1391.0	1437.4
33°	1752.6	1687.1	1620.9	1501.8	1365.6	1296.7	1222.8	1170.0	1174.9	1205.1	1240.6
34°	1454.2	1413.4	1376.7	1331.9	1215.0	1135.9	1082.0	1029.2	1031.2	1062.9	1091.6
35°	1282.9	1254.3	1233.0	1162.3	1065.8	975.2	970.4	919.1	918.6	949.5	978.0
36°	1113.6	1097.1	1090.0	992.7	916.5	879.1	883.2	832.3	830.2	861.2	891.2
37°	944.3	939.8	946.9	888.8	825.7	802.2	813.0	762.3	757.2	788.4	822.0
38°	846.7	846.1	862.1	807.0	753.1	739.1	754.6	704.3	698.8	729.9	767.1
39°	769.5	770.6	795.2	739.1	693.6	686.5	707.6	657.4	650.4	682.0	723.2
40°	706.4	709.4	741.1	682.5	644.9	643.2	668.1	618.2	610.3	642.8	686.5
41°	655.2	659.2	696.2	638.1	604.4	606.9	635.1	585.2	576.7	610.0	655.9
42°	610.8	617.5	658.3	600.7	570.5	576.5	607.7	556.8	547.7	582.4	628.7
43°	573.5	582.2	625.7	569.0	540.2	549.5	583.7	532.7	523.1	558.9	604.9
44°	540.6	552.0	596.3	541.3	513.4	525.5	562.3	511.6	500.4	538.5	584.0

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CATALOG NUMBER: XSF200-SFTR-4Hx4V-840-Position 4

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	511.7	524.7	570.5	517.1	489.5	503.8	542.8	492.3	480.0	519.2	562.9
46°	485.5	500.2	546.9	496.0	468.4	484.2	524.0	473.6	461.3	500.2	540.5
47°	462.7	478.0	525.4	477.5	449.1	465.9	503.4	455.4	443.4	480.5	515.7
48°	441.6	457.3	505.2	459.9	431.1	446.9	482.5	437.6	426.6	461.0	490.8
49°	421.1	436.6	483.7	442.4	413.9	428.9	462.1	420.2	410.4	441.2	465.4
50°	401.8	416.2	461.0	424.9	397.5	411.0	440.7	403.0	394.4	421.5	440.4
51°	384.0	395.9	436.9	406.5	381.4	392.6	419.0	385.7	379.2	402.4	416.2
52°	367.4	376.1	412.7	388.2	365.6	373.9	397.7	369.1	363.7	383.1	392.8
53°	352.1	357.6	389.2	369.8	350.1	356.0	377.6	352.5	348.4	364.4	370.2
54°	337.0	338.9	366.2	351.7	334.8	338.6	357.5	337.0	333.4	345.8	348.7
55°	322.3	321.3	343.9	333.8	320.1	322.1	339.1	321.8	319.0	328.3	330.1
56°	307.7	304.3	322.6	316.1	305.8	307.0	323.3	306.7	304.5	310.8	312.1
57°	293.7	288.5	302.7	298.8	291.9	292.7	307.6	291.5	290.1	293.3	294.1
58°	279.0	273.0	285.4	282.0	278.3	279.0	291.9	277.4	276.9	276.3	278.0
59°	265.4	258.8	269.3	265.4	265.4	266.0	277.9	264.0	263.9	260.4	262.6
60°	251.3	244.7	253.4	249.1	251.9	253.5	264.2	251.1	250.9	245.3	247.9
61°	238.2	231.5	238.3	233.9	238.9	241.8	251.3	239.2	237.9	231.9	234.0
62°	225.5	219.2	224.6	220.6	226.9	230.3	241.0	228.1	225.7	220.2	222.8
63°	212.9	207.6	212.4	208.6	214.8	219.6	233.5	217.6	214.1	209.2	213.2
64°	200.8	197.2	202.6	197.7	203.2	208.9	226.1	207.3	202.6	198.5	204.4
65°	188.8	186.9	194.2	187.2	191.7	198.5	217.0	196.6	191.1	187.9	194.5
66°	176.9	177.0	185.8	176.7	180.0	188.2	207.2	185.9	179.2	177.7	182.7
67°	165.4	167.2	175.0	166.1	168.2	178.2	196.3	175.5	167.2	167.8	169.1
68°	153.8	156.8	161.8	155.7	155.9	167.1	184.3	164.4	154.6	157.5	155.0
69°	141.5	146.6	148.9	144.5	142.8	155.3	171.4	153.0	141.0	146.5	145.8
70°	129.7	135.0	137.5	132.9	130.4	143.7	161.5	141.3	127.4	135.1	155.7
71°	118.0	124.1	140.4	121.3	118.1	131.7	177.1	129.4	115.6	123.3	161.9
72°	106.2	113.1	143.4	109.6	105.7	119.7	162.0	117.5	104.7	111.5	149.7
73°	96.0	102.1	146.5	97.8	94.7	107.7	136.5	105.7	93.9	99.1	124.0
74°	86.4	90.7	121.5	86.9	84.2	96.3	114.7	94.4	83.7	87.4	105.7
75°	76.8	79.2	97.3	75.9	74.2	85.2	98.8	84.1	74.1	76.9	92.2
76°	67.7	69.0	80.5	65.9	64.9	74.2	86.9	74.8	64.7	66.4	80.0
77°	58.6	59.0	67.9	56.6	56.1	63.2	76.6	64.7	55.9	56.2	69.0
78°	49.6	49.0	57.5	47.6	47.5	53.0	67.2	54.3	47.4	46.7	58.5
79°	40.9	39.5	48.0	38.9	39.6	43.5	57.5	44.8	39.4	38.8	49.3
80°	32.7	31.1	38.6	31.0	32.1	35.2	48.0	37.2	32.5	30.9	40.2
81°	25.5	23.7	29.3	24.0	25.2	27.7	39.2	29.5	25.7	23.0	32.4
82°	18.7	17.3	21.6	17.6	19.0	21.2	31.6	21.9	18.8	17.5	24.6
83°	14.9	13.9	14.8	13.7	14.6	16.2	24.0	17.0	14.9	13.7	16.9
84°	11.2	10.5	9.8	9.9	11.4	12.4	16.5	13.9	11.9	11.0	12.0
85°	7.5	7.1	4.9	6.1	8.2	8.6	10.2	10.3	8.5	7.7	7.1
86°	1.6	1.6	1.6	2.8	3.7	4.7	5.3	5.6	4.5	4.0	3.3
87°	0.4	0.4	0.4	0.6	1.1	1.5	2.1	1.8	1.4	1.6	1.4
88°	0.2	0.2	0.2	0.2	0.3	0.4	0.6	0.6	0.6	0.6	0.7
89°	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3

REPORT NUMBER: P1440346

CATALOG NUMBER: XSF200-SFTR-4Hx4V-840-Position 4

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P1440346

CATALOG NUMBER: XSF200-SFTR-4Hx4V-840-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



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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: P1440346

CATALOG NUMBER: XSF200-SFTR-4Hx4V-840-Position 4

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	28113.9	28113.9	28113.9	28113.9	28113.9	28113.9	28113.9	28113.9	28113.9	28113.9	28113.9
1°	27943.7	27964.1	28013.6	28055.7	28103.7	28143.0	28177.9	28220.1	28247.8	28257.9	28247.8
2°	27568.4	27607.7	27692.1	27873.9	27990.3	28106.7	28201.2	28282.7	28320.5	28317.6	28259.4
3°	27193.1	27251.3	27370.6	27562.6	27722.6	27974.3	28156.1	28269.6	28323.4	28289.9	28160.5
4°	26816.4	26894.9	27047.7	27249.9	27456.4	27744.4	28045.6	28202.7	28265.2	28185.2	27983.0
5°	26353.8	26445.5	26602.6	26845.5	27188.8	27514.6	27888.5	28092.1	28147.4	27988.8	27716.8
6°	25881.0	26007.6	26170.5	26420.7	26804.7	27281.9	27594.6	27901.6	27940.8	27748.8	27401.2
7°	25424.3	25584.3	25773.4	26023.6	26413.4	26894.9	27299.3	27616.4	27665.9	27428.8	27038.9
8°	24964.6	25178.5	25387.9	25636.7	25998.9	26493.5	27004.0	27264.4	27305.1	27053.5	26638.9
9°	24478.8	24739.2	24980.6	25245.4	25585.8	26033.8	26540.0	26822.2	26852.8	26599.6	26214.2
10°	23924.6	24241.7	24532.6	24838.1	25136.3	25521.8	25987.2	26272.3	26337.8	26083.2	25767.6
11°	23275.8	23638.0	24000.2	24375.5	24663.5	24945.7	25351.6	25614.8	25678.9	25492.7	25291.9
12°	22531.0	22926.7	23345.6	23818.4	24125.3	24301.3	24619.9	24849.7	24947.2	24843.9	24793.0
13°	21677.1	22088.8	22580.5	23166.7	23518.7	23588.5	23805.3	23997.3	24122.4	24106.4	24206.8
14°	20725.8	21159.3	21706.2	22413.2	22804.5	22813.2	22935.4	23066.3	23217.6	23300.5	23563.8
15°	19701.7	20225.4	20778.2	21538.9	21985.5	21962.2	21982.6	22039.3	22219.7	22442.3	22824.8
16°	18635.5	19263.9	19828.3	20558.5	21029.8	20987.6	20954.2	20923.6	21152.0	21501.1	21991.3
17°	17563.4	18321.3	18875.5	19518.4	19975.2	19951.9	19839.9	19722.1	20010.1	20482.9	21019.6
18°	16414.2	17326.3	17908.1	18402.7	18780.9	18794.0	18631.1	18426.0	18737.3	19348.2	19908.3
19°	15161.8	16230.9	16844.8	17239.0	17495.0	17548.8	17287.0	17060.1	17415.0	18132.2	18699.5
20°	13815.2	14972.7	15663.6	15958.9	16097.1	16188.7	15928.4	15638.9	16006.9	16792.4	17343.7
21°	12346.6	13581.6	14286.8	14565.4	14627.9	14767.6	14462.2	14206.9	14584.3	15375.6	15925.5
22°	10834.9	12042.4	12788.4	13038.3	13103.3	13287.7	13025.8	12767.1	13150.6	13921.8	14444.9
23°	9312.2	10453.7	11183.3	11439.3	11532.6	11770.3	11537.7	11327.2	11716.4	12434.5	12902.1
24°	7846.5	8843.7	9557.0	9831.5	9968.7	10274.6	10084.2	9887.4	10282.2	10946.4	11358.7
25°	6454.7	7282.2	7948.0	8272.4	8464.6	8781.7	8648.6	8460.2	8869.7	9458.2	9815.4
26°	5208.8	5851.5	6454.3	6819.8	7054.7	7348.6	7223.6	7080.3	7478.2	8043.9	8344.4
27°	4154.8	4617.2	5138.8	5549.5	5770.0	6000.7	5903.0	5771.0	6141.2	6661.8	6957.1
28°	3472.5	3836.5	4027.2	4411.8	4642.1	4783.7	4700.5	4613.7	4926.3	5388.2	5674.1
29°	2790.3	3055.8	3357.3	3692.2	3697.3	3774.4	3707.9	3648.5	3889.6	4273.2	4547.1
30°	2113.6	2277.5	2687.3	2972.4	3037.9	3071.6	3030.2	2891.7	3052.6	3343.8	3575.4
31°	1731.2	1849.6	2028.1	2261.0	2379.4	2372.7	2352.9	2319.7	2426.1	2628.5	2822.6
32°	1443.8	1528.3	1660.2	1845.2	1932.2	1916.2	1902.1	1891.2	1959.3	2091.5	2238.7
33°	1232.5	1290.3	1393.2	1539.2	1600.4	1572.0	1569.4	1574.5	1616.7	1697.9	1806.5
34°	1074.1	1112.5	1189.3	1312.1	1347.2	1320.1	1324.0	1331.4	1362.2	1410.4	1486.5
35°	950.0	975.2	1037.2	1141.3	1157.8	1130.0	1139.7	1179.3	1212.5	1246.9	1308.2
36°	856.3	870.6	921.6	1015.0	1013.0	987.9	1000.4	1028.4	1064.2	1085.1	1131.5
37°	780.0	789.0	829.7	917.0	902.8	879.8	894.3	925.9	916.0	923.3	954.7
38°	719.1	723.4	758.0	842.4	816.8	794.0	808.9	848.0	830.7	831.0	855.4
39°	669.3	670.7	701.0	783.6	748.6	727.9	741.0	783.8	761.1	756.1	777.7
40°	628.8	626.5	654.6	736.0	693.6	671.9	685.1	731.4	704.0	694.9	714.6
41°	594.9	589.5	615.9	696.6	648.3	626.6	639.2	687.9	657.2	643.7	664.2
42°	566.1	557.4	583.9	662.4	611.9	587.5	599.8	652.2	616.6	600.1	621.8
43°	541.4	530.1	556.5	632.5	580.9	554.8	566.4	622.1	582.1	563.5	586.6
44°	519.6	505.8	532.8	606.1	553.9	525.9	537.7	595.7	552.5	531.6	556.6

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CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	499.6	484.3	512.3	582.6	530.2	500.0	512.2	573.2	526.9	504.3	530.8
46°	480.5	464.2	493.6	560.7	509.4	476.8	490.2	552.5	503.8	479.1	507.7
47°	460.8	445.0	475.0	539.4	490.1	455.8	470.2	533.4	483.3	456.8	487.3
48°	440.9	427.4	456.2	516.4	471.6	436.5	452.8	515.7	464.8	437.0	468.7
49°	421.3	410.4	437.3	491.1	452.5	419.0	437.2	497.8	448.4	419.6	451.8
50°	401.8	393.9	418.5	465.9	432.7	402.2	420.7	478.4	433.0	402.8	435.7
51°	382.6	378.3	400.2	439.9	412.8	385.6	404.4	456.6	415.9	387.0	419.0
52°	363.7	362.2	381.8	415.0	393.1	369.4	387.0	434.5	398.0	371.2	401.7
53°	345.3	347.3	362.8	390.9	373.2	354.0	370.2	411.1	380.3	356.1	384.1
54°	328.4	333.0	344.8	367.1	353.3	338.5	353.3	387.7	362.6	341.3	365.6
55°	312.0	318.5	327.3	344.1	333.7	323.5	337.0	364.3	344.1	326.2	346.7
56°	295.7	303.9	309.8	324.6	316.1	308.5	320.6	342.4	326.4	311.3	327.0
57°	281.4	289.4	292.3	305.1	298.6	293.5	304.2	321.7	308.8	296.8	308.4
58°	267.1	276.1	275.9	285.6	281.1	279.3	287.8	304.0	292.8	282.4	290.9
59°	252.9	262.9	259.1	269.1	265.6	265.6	272.7	287.7	277.4	268.4	274.0
60°	239.3	250.1	243.0	252.9	250.0	252.2	257.8	272.9	262.4	254.8	257.1
61°	227.2	237.5	228.9	237.6	235.6	239.5	243.8	258.3	247.7	241.6	240.6
62°	216.7	225.1	217.1	224.9	222.3	227.1	231.0	244.8	234.2	228.9	225.2
63°	206.7	213.0	206.8	213.9	210.5	215.2	220.0	233.8	222.2	216.4	211.8
64°	196.9	201.1	197.0	205.6	199.6	203.4	210.0	226.1	211.4	204.6	200.3
65°	187.2	188.7	187.3	197.2	189.5	192.2	200.5	220.8	201.0	193.4	190.1
66°	176.9	176.9	177.6	188.0	179.5	180.8	190.8	214.6	191.2	182.1	180.1
67°	166.6	165.5	167.8	176.6	169.6	169.4	180.5	206.4	180.9	171.0	170.2
68°	155.8	153.3	157.3	163.2	159.9	157.8	170.3	196.7	171.1	159.6	160.5
69°	144.9	140.2	146.3	150.5	149.6	145.6	159.9	185.4	160.9	147.9	150.4
70°	133.7	127.6	135.3	143.8	138.7	132.8	149.0	173.0	150.2	134.8	139.8
71°	122.5	116.5	124.3	146.1	127.5	120.8	137.7	160.4	139.5	123.5	128.3
72°	110.9	106.1	113.1	152.8	116.0	109.9	125.9	159.3	127.7	112.2	116.9
73°	99.5	96.4	101.9	135.7	104.3	99.1	113.8	154.2	115.9	101.1	105.5
74°	88.3	86.7	90.4	110.5	92.6	88.7	102.1	131.2	104.1	90.5	94.1
75°	77.7	77.1	79.4	93.3	81.6	78.7	90.9	111.8	92.1	80.3	82.7
76°	67.6	67.8	69.4	79.7	70.8	69.3	80.0	92.5	81.3	70.7	72.0
77°	57.9	58.9	59.6	68.7	60.5	60.3	70.4	79.4	71.6	61.4	62.1
78°	48.8	50.3	50.1	58.8	50.6	51.6	60.5	68.5	60.8	52.6	52.6
79°	40.3	42.3	41.3	49.8	41.5	43.5	50.7	58.3	50.3	44.2	43.3
80°	33.4	35.3	34.2	41.1	34.2	36.2	41.4	48.9	40.8	36.3	35.0
81°	26.5	28.3	27.1	33.4	26.8	28.9	34.1	40.1	32.3	29.0	27.7
82°	19.6	21.4	20.2	25.7	19.6	21.7	26.9	31.9	25.0	22.3	20.7
83°	17.0	18.5	17.1	18.1	15.4	16.8	19.7	24.7	18.8	16.7	14.7
84°	16.3	18.1	16.7	13.5	14.1	14.6	16.4	17.9	15.7	13.2	11.5
85°	13.0	14.3	13.6	8.5	11.6	12.3	13.7	12.9	11.5	9.8	8.3
86°	6.8	7.3	7.8	4.2	7.1	8.1	8.9	7.9	7.3	6.5	4.8
87°	1.9	1.9	2.3	1.8	2.9	2.5	3.2	2.9	3.1	2.3	1.4
88°	0.8	0.8	0.8	0.8	0.9	0.9	1.3	1.0	0.9	0.6	0.3
89°	0.3	0.3	0.3	0.3	0.4	0.4	0.3	0.2	0.2	0.2	0.1

REPORT NUMBER: P1440346

CATALOG NUMBER: XSF200-SFTR-4Hx4V-840-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: P1440346

CATALOG NUMBER: XSF200-SFTR-4Hx4V-840-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: P1440346
CATALOG NUMBER: XSF200-SFTR-4Hx4V-840-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: P1440346

CATALOG NUMBER: XSF200-SFTR-4Hx4V-840-Position 4

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	28113.9	28113.9	28113.9
1°	28214.3	28172.1	28124.1
2°	28177.9	28083.4	27990.3
3°	28020.8	27865.2	27722.6
4°	27753.2	27533.5	27363.3
5°	27421.5	27156.8	26948.8
6°	27030.2	26721.8	26508.0
7°	26627.3	26307.3	26084.7
8°	26236.0	25914.5	25686.1
9°	25831.6	25539.2	25284.6
10°	25447.6	25159.5	24893.3
11°	25049.0	24747.9	24435.1
12°	24615.5	24253.3	23853.3
13°	24086.0	23648.2	23184.1
14°	23453.2	22933.9	22413.2
15°	22724.5	22147.0	21578.2
16°	21883.7	21298.9	20683.6
17°	20955.6	20388.3	19765.7
18°	19943.2	19448.6	18865.3
19°	18849.3	18498.7	17892.1
20°	17620.1	17479.0	16855.0
21°	16347.3	16356.0	15694.2
22°	14946.5	15083.2	14372.8
23°	13494.7	13669.3	12893.2
24°	11929.7	12102.5	11411.1
25°	10363.9	10535.0	9929.0
26°	8798.3	8967.3	8429.4
27°	7312.6	7408.7	6912.8
28°	5927.1	5915.8	5519.2
29°	4718.6	4645.0	4375.7
30°	3692.8	3611.3	3428.2
31°	2896.5	2814.6	2703.0
32°	2294.4	2228.1	2147.3
33°	1845.2	1797.2	1752.6
34°	1523.3	1484.3	1454.2
35°	1346.6	1308.4	1282.9
36°	1172.3	1134.3	1113.6
37°	998.1	960.2	944.3
38°	902.0	862.3	846.7
39°	830.7	784.5	769.5
40°	772.4	721.1	706.4
41°	727.4	670.3	655.2
42°	689.3	627.3	610.8
43°	657.2	590.8	573.5
44°	628.2	559.0	540.6

REPORT NUMBER: P1440346

CATALOG NUMBER: XSF200-SFTR-4Hx4V-840-Position 4

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	601.7	531.1	511.7
46°	576.7	505.9	485.5
47°	553.8	483.3	462.7
48°	532.2	463.9	441.6
49°	511.1	445.5	421.1
50°	489.9	427.9	401.8
51°	467.7	410.6	384.0
52°	443.0	392.7	367.4
53°	417.7	375.5	352.1
54°	391.6	358.0	337.0
55°	366.4	340.4	322.3
56°	341.1	322.6	307.7
57°	318.4	304.6	293.7
58°	297.4	286.7	279.0
59°	278.4	268.6	265.4
60°	262.2	251.7	251.3
61°	246.4	235.8	238.2
62°	231.2	221.1	225.5
63°	217.6	208.4	212.9
64°	206.5	197.5	200.8
65°	196.7	187.4	188.8
66°	189.0	177.9	176.9
67°	180.5	168.3	165.4
68°	168.3	158.0	153.8
69°	154.7	147.9	141.5
70°	142.3	136.9	129.7
71°	141.4	125.9	118.0
72°	140.7	114.8	106.2
73°	140.1	103.8	96.0
74°	127.4	93.0	86.4
75°	104.1	82.5	76.8
76°	85.6	71.3	67.7
77°	72.1	61.2	58.6
78°	60.9	51.6	49.6
79°	50.9	41.9	40.9
80°	41.2	33.2	32.7
81°	31.8	25.4	25.5
82°	23.7	18.6	18.7
83°	16.8	15.2	14.9
84°	12.0	11.8	11.2
85°	7.3	8.4	7.5
86°	2.6	2.4	1.6
87°	0.6	0.5	0.4
88°	0.3	0.2	0.2
89°	0.1	0.1	0.1

REPORT NUMBER: P1440346

CATALOG NUMBER: XSF200-SFTR-4Hx4V-840-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: P1440346

CATALOG NUMBER: XSF200-SFTR-4Hx4V-840-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: P1440346

CATALOG NUMBER: XSF200-SFTR-4Hx4V-840-Position 4

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)