

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: P1440313

Luminaire Tested: XSF100-SFTR-4Hx4V-850-Position 3

Issue Date: 04/15/2026

Test Information

Test Method: LM-79-2024
Report Number: P1440313
Test Lab: THIRD PARTY NVLAP
Issue Date: 7/15/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XSF100-SFTR-4Hx4V-850-Position 3
Description: LUMARK ALL SELECTABLE LUMINAIRE 100W w/ NEMA 4 FLOOD DISTRIBUTION 5000K CCT
80 CRI LIGHT ENGINE AT Position 3
Light Source: (1) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10694.6 lumens
Efficiency: N/A
Efficacy: 162.0 lumens/watt
Luminous Opening: Rectangular (W 0.4' x L: 0.4' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 66
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

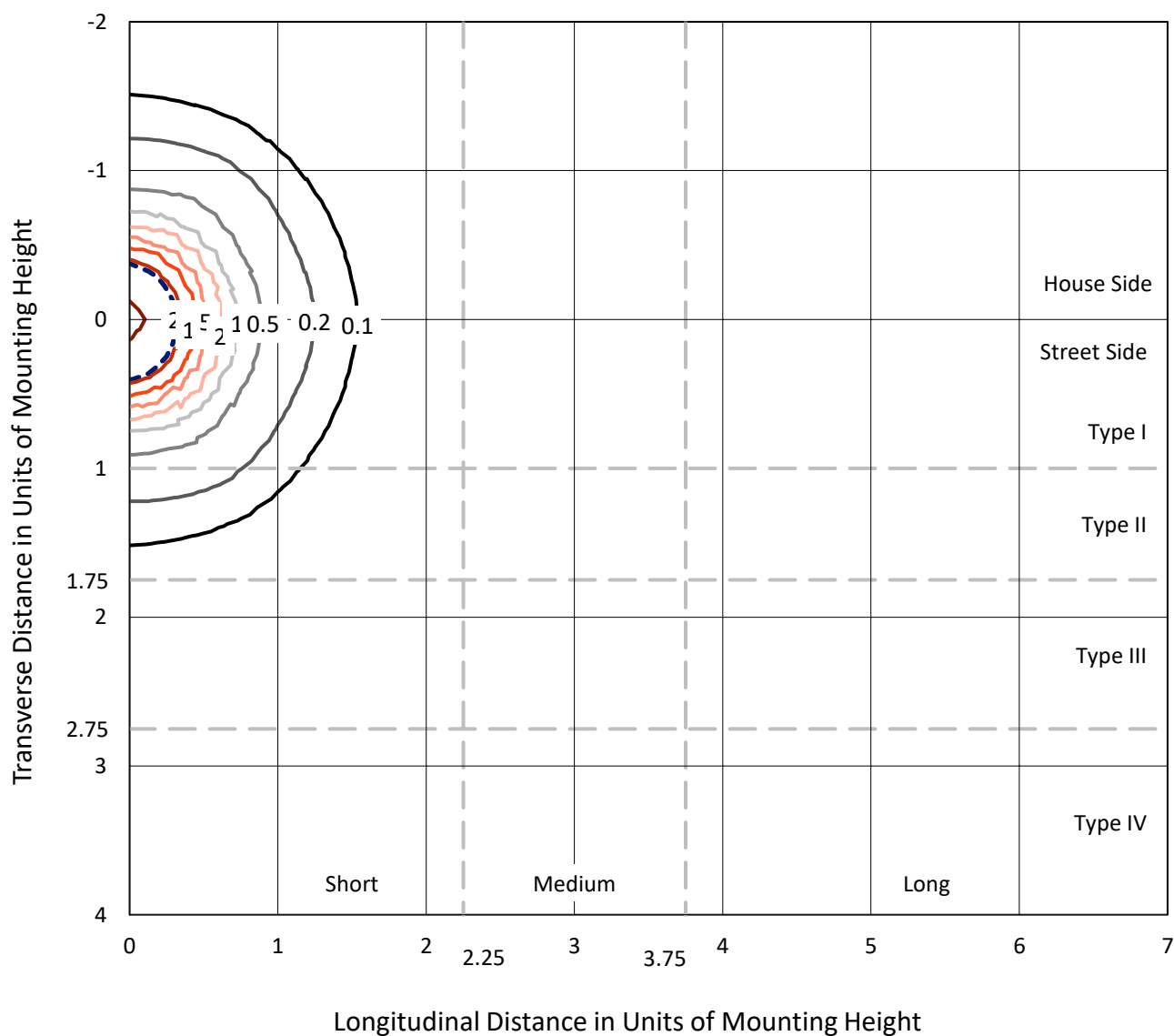
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



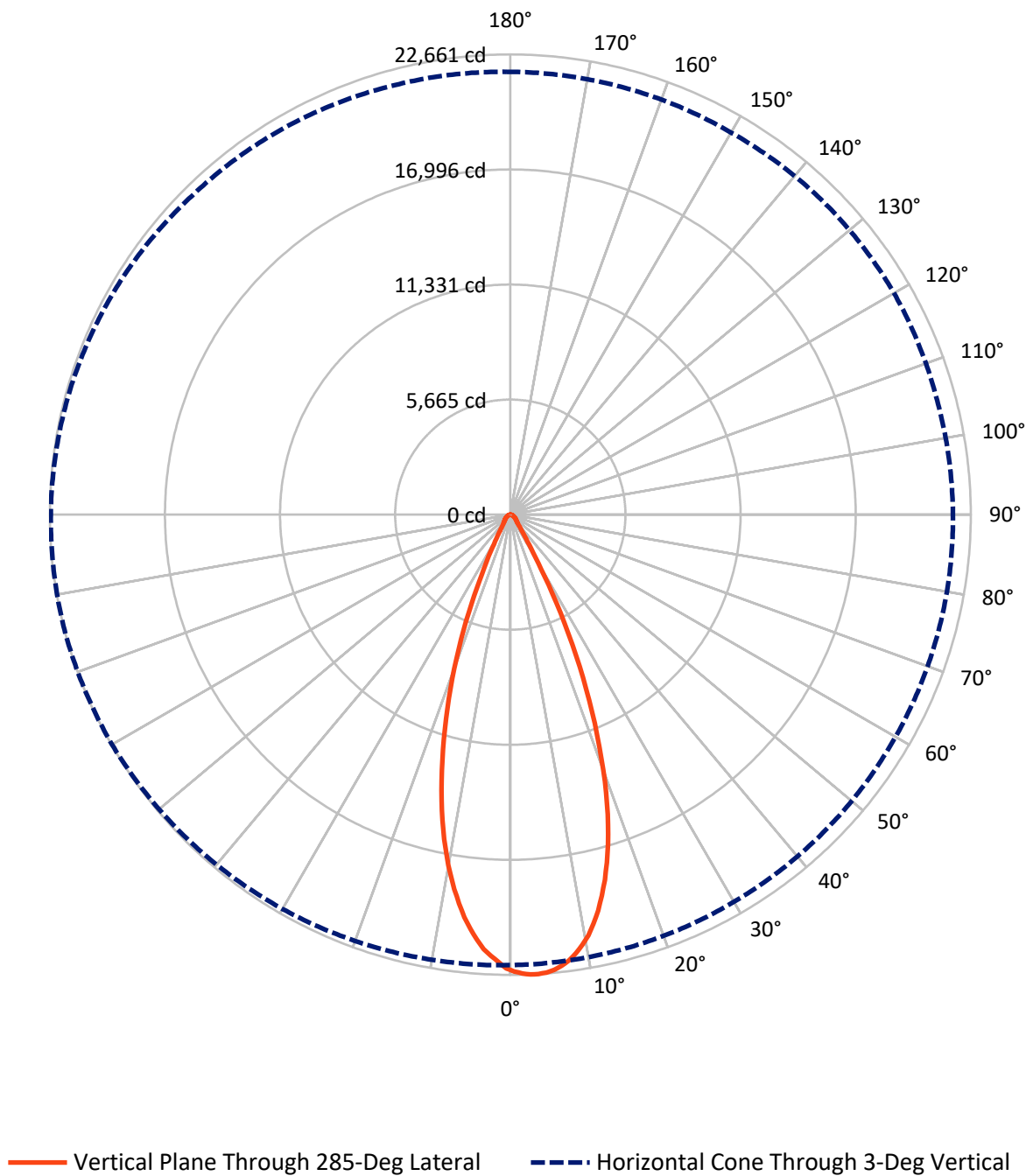
Based on 20 foot mounting height. Maximum calculated value = 56.2 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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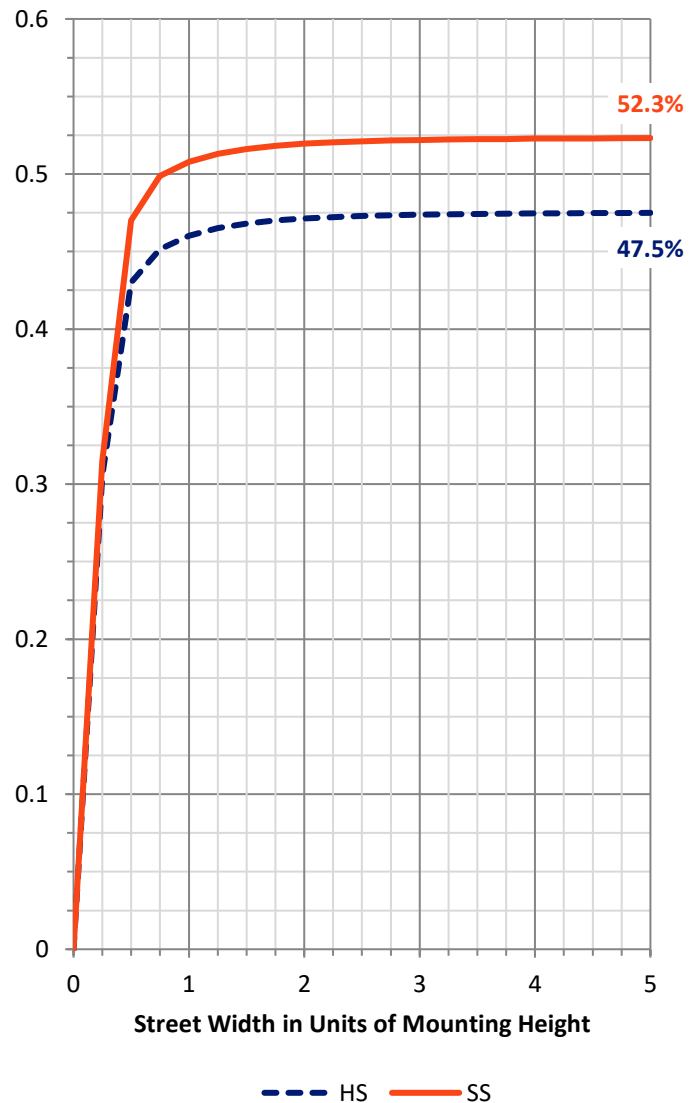
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5150.3	0.0	5150.3
	% Fixture	48.2	0.0	48.2
Street Side	Lumens	5544.3	0.0	5544.3
	% Fixture	51.8	0.0	51.8
Total	Lumens	10694.6	0.0	10694.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1991.7	18.6
10°-20°	4428.6	41.4
20°-30°	2836.2	26.5
30°-40°	631.9	5.9
40°-50°	329.0	3.1
50°-60°	239.2	2.2
60°-70°	154.1	1.4
70°-80°	73.7	0.7
80°-90°	10.1	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°	10694.6	100.0
0°-180°	10694.6	100.0

Coefficient of Utilization



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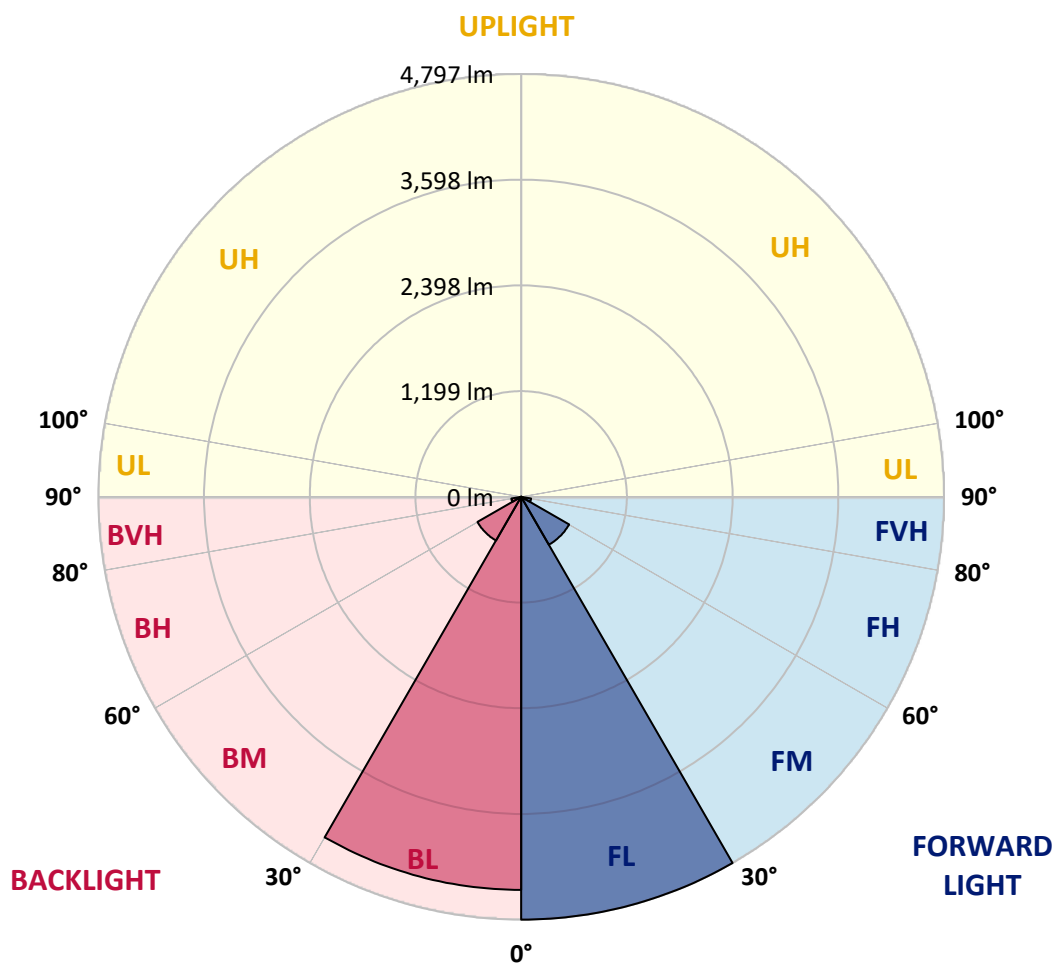
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4796.9	44.9			
FM	(30°-60°)	628.2	5.9			
FH	(60°-80°)	114.3	1.1			G0/660
FVH	(80°-90°)	4.8	0.0			G0/10
BL	(0°-30°)	4459.6	41.7	B4/5000		
BM	(30°-60°)	571.9	5.3	B1/1000		
BH	(60°-80°)	113.4	1.1	B1/500		G1/500
BVH	(80°-90°)	5.4	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-G1

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	22493.5	22493.5	22493.5	22493.5	22493.5	22493.5	22493.5	22493.5	22493.5	22493.5	22493.5
1°	22501.6	22474.8	22431.8	22394.5	22361.9	22328.2	22345.7	22338.7	22328.2	22325.9	22325.9
2°	22394.5	22330.5	22257.2	22213.0	22158.3	22123.4	22065.2	22040.7	22069.8	22058.2	22024.4
3°	22180.4	22096.6	22011.6	21954.6	21888.3	21835.9	21783.5	21742.8	21808.0	21788.2	21723.0
4°	21892.9	21799.8	21700.9	21622.9	21555.4	21484.4	21500.7	21440.2	21408.8	21406.4	21420.4
5°	21561.2	21447.2	21340.1	21247.0	21148.1	21050.3	21067.8	20994.4	20971.2	20981.6	21016.6
6°	21208.6	21085.2	20959.5	20819.9	20687.2	20566.1	20558.0	20492.8	20489.3	20523.1	20613.9
7°	20869.9	20727.9	20553.3	20359.0	20179.8	20031.9	20001.7	19948.2	19940.0	20038.9	20194.9
8°	20551.0	20383.4	20146.0	19873.7	19628.1	19419.8	19382.5	19313.9	19347.6	19514.0	19752.6
9°	20229.8	20040.1	19725.9	19358.1	19018.2	18762.2	18688.9	18643.5	18712.2	18940.3	19283.6
10°	19916.7	19657.2	19283.6	18814.6	18378.1	18065.1	17947.5	17916.1	18040.6	18345.5	18765.7
11°	19550.1	19239.4	18790.1	18238.5	17714.7	17299.3	17160.8	17145.6	17315.6	17683.3	18187.3
12°	19084.6	18755.2	18265.2	17622.8	17021.1	16514.8	16304.2	16300.7	16541.6	16971.1	17533.2
13°	18549.2	18182.6	17642.6	16948.9	16268.1	15676.9	15415.0	15413.8	15711.8	16206.4	16815.1
14°	17932.4	17533.2	16929.2	16212.2	15482.5	14793.5	14463.0	14486.3	14830.8	15377.8	16014.4
15°	17264.3	16812.8	16141.2	15418.5	14609.6	13862.5	13490.0	13511.0	13902.0	14481.6	15135.7
16°	16548.6	16030.7	15280.0	14560.8	13684.4	12888.3	12484.5	12517.1	12922.1	13544.7	14188.3
17°	15814.2	15218.3	14406.0	13633.2	12732.4	11892.1	11489.6	11516.0	11918.8	12555.5	13218.9
18°	15093.8	14382.7	13490.0	12680.0	11750.1	10928.1	10504.4	10516.8	10899.1	11530.6	12213.3
19°	14315.2	13519.1	12542.7	11679.1	10728.4	9951.7	9527.5	9523.1	9869.7	10451.0	11155.7
20°	13485.4	12606.7	11567.5	10610.0	9748.8	8975.0	8569.4	8553.6	8869.7	9366.0	10061.2
21°	12556.6	11604.6	10514.9	9606.1	8769.4	7998.3	7604.5	7581.2	7860.5	8273.5	8898.0
22°	11499.4	10742.1	9460.1	8603.7	7768.5	7024.4	6651.0	6625.6	6863.1	7190.8	7746.5
23°	10315.7	9522.9	8405.3	7568.1	6785.0	6070.0	5715.2	5684.9	5894.4	6148.7	6625.8
24°	9129.8	8294.3	7337.6	6561.6	5826.4	5151.8	4817.2	4778.5	4954.6	5158.5	5571.7
25°	7944.0	7137.7	6296.6	5583.2	4911.9	4313.5	4014.7	3958.6	4089.5	4257.4	4608.7
26°	6744.2	6033.2	5304.3	4668.7	4074.2	3569.1	3318.7	3243.0	3330.5	3465.3	3743.8
27°	5530.8	4973.5	4385.5	3852.8	3353.5	2937.9	2838.0	2766.3	2827.8	2934.0	3028.0
28°	4415.8	4003.9	3562.5	3143.2	2735.1	2410.0	2357.5	2289.5	2325.1	2402.6	2562.3
29°	3500.9	3199.0	2892.1	2561.5	2245.6	1988.1	1877.6	1814.4	1827.2	1876.7	2096.7
30°	2742.8	2544.0	2333.1	2088.0	1847.7	1643.1	1566.1	1508.3	1512.1	1549.1	1633.4
31°	2162.6	2037.4	1893.7	1716.0	1531.7	1373.2	1318.4	1269.0	1270.6	1302.2	1358.3
32°	1718.1	1639.7	1557.6	1426.3	1286.5	1167.6	1126.8	1080.3	1084.5	1112.9	1150.0
33°	1402.2	1349.8	1296.9	1201.5	1092.6	1037.5	978.3	936.1	940.0	964.2	992.6
34°	1163.5	1130.9	1101.5	1065.6	972.1	908.9	865.7	823.4	825.1	850.4	873.4
35°	1026.4	1003.5	986.5	930.0	852.7	780.3	776.4	735.3	734.9	759.7	782.5
36°	891.0	877.7	872.1	794.3	733.3	703.4	706.7	665.9	664.2	689.1	713.1
37°	755.5	751.9	757.6	711.1	660.7	641.8	650.5	609.9	605.8	630.8	657.6
38°	677.5	677.0	689.7	645.6	602.6	591.4	603.7	563.5	559.1	584.0	613.7
39°	615.7	616.5	636.2	591.3	554.9	549.3	566.1	526.0	520.3	545.7	578.6
40°	565.2	567.6	592.9	546.1	516.0	514.6	534.5	494.6	488.3	514.3	549.2
41°	524.2	527.4	557.0	510.5	483.6	485.6	508.2	468.2	461.4	488.1	524.8
42°	488.7	494.1	526.7	480.6	456.4	461.2	486.2	445.5	438.2	466.0	503.0
43°	458.8	465.8	500.6	455.3	432.2	439.6	467.0	426.2	418.5	447.2	484.0
44°	432.5	441.6	477.1	433.1	410.8	420.4	449.9	409.3	400.3	430.9	467.2

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CATALOG NUMBER: XSF100-SFTR-4Hx4V-850-Position 3

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	409.4	419.8	456.5	413.7	391.7	403.1	434.3	393.9	384.0	415.4	450.3
46°	388.4	400.2	437.6	396.8	374.8	387.4	419.2	378.9	369.0	400.2	432.5
47°	370.2	382.5	420.4	382.1	359.3	372.7	402.8	364.3	354.7	384.4	412.6
48°	353.3	365.9	404.2	367.9	344.9	357.6	386.1	350.1	341.3	368.9	392.7
49°	336.9	349.3	387.0	354.0	331.1	343.2	369.7	336.2	328.4	353.0	372.3
50°	321.4	333.0	368.8	340.0	318.0	328.8	352.6	322.4	315.5	337.2	352.3
51°	307.3	316.7	349.6	325.2	305.2	314.1	335.2	308.6	303.4	321.9	333.0
52°	293.9	300.9	330.2	310.6	292.5	299.2	318.2	295.3	291.0	306.5	314.2
53°	281.7	286.1	311.4	295.9	280.1	284.8	302.1	282.0	278.8	291.5	296.2
54°	269.6	271.2	293.0	281.4	267.9	270.9	286.0	269.6	266.8	276.7	279.0
55°	257.8	257.0	275.1	267.1	256.1	257.7	271.3	257.5	255.2	262.7	264.1
56°	246.2	243.5	258.1	252.9	244.6	245.7	258.7	245.3	243.6	248.7	249.7
57°	235.0	230.8	242.2	239.1	233.6	234.2	246.1	233.2	232.1	234.7	235.3
58°	223.2	218.5	228.3	225.6	222.7	223.2	233.5	222.0	221.5	221.1	222.5
59°	212.3	207.0	215.4	212.4	212.3	212.8	222.4	211.3	211.1	208.3	210.1
60°	201.1	195.8	202.8	199.3	201.6	202.9	211.4	200.9	200.8	196.2	198.4
61°	190.6	185.2	190.7	187.1	191.1	193.5	201.1	191.3	190.3	185.5	187.2
62°	180.5	175.4	179.7	176.5	181.5	184.2	192.8	182.5	180.6	176.2	178.3
63°	170.3	166.1	169.9	166.9	171.9	175.7	186.8	174.1	171.3	167.3	170.6
64°	160.6	157.8	162.1	158.2	162.6	167.2	180.9	165.8	162.1	158.8	163.5
65°	151.1	149.5	155.4	149.8	153.4	158.8	173.6	157.3	152.9	150.4	155.6
66°	141.6	141.6	148.6	141.4	144.0	150.6	165.8	148.7	143.4	142.2	146.2
67°	132.3	133.8	140.0	132.9	134.6	142.6	157.0	140.4	133.8	134.3	135.3
68°	123.0	125.5	129.5	124.6	124.7	133.7	147.5	131.5	123.7	126.0	124.0
69°	113.2	117.3	119.1	115.6	114.2	124.3	137.1	122.4	112.8	117.2	116.6
70°	103.8	108.0	110.1	106.3	104.4	115.0	129.2	113.1	101.9	108.1	124.6
71°	94.4	99.3	112.3	97.0	94.5	105.4	141.7	103.5	92.5	98.7	129.5
72°	85.0	90.5	114.7	87.7	84.6	95.8	129.6	94.0	83.8	89.2	119.7
73°	76.8	81.7	117.2	78.3	75.7	86.1	109.2	84.6	75.2	79.3	99.2
74°	69.1	72.6	97.2	69.5	67.4	77.0	91.8	75.5	66.9	70.0	84.6
75°	61.4	63.4	77.9	60.8	59.4	68.2	79.1	67.3	59.3	61.5	73.8
76°	54.2	55.2	64.4	52.7	51.9	59.4	69.5	59.8	51.7	53.2	64.0
77°	46.8	47.2	54.3	45.3	44.8	50.6	61.3	51.7	44.7	45.0	55.2
78°	39.7	39.2	46.0	38.1	38.0	42.4	53.7	43.4	37.9	37.4	46.8
79°	32.7	31.6	38.4	31.1	31.6	34.8	46.0	35.8	31.5	31.1	39.5
80°	26.1	24.9	30.9	24.8	25.7	28.2	38.4	29.7	26.0	24.7	32.2
81°	20.4	19.0	23.5	19.2	20.1	22.2	31.3	23.6	20.5	18.4	25.9
82°	15.0	13.8	17.3	14.0	15.2	17.0	25.3	17.5	15.1	14.0	19.7
83°	12.0	11.1	11.8	11.0	11.7	13.0	19.2	13.6	11.9	10.9	13.5
84°	9.0	8.4	7.9	7.9	9.1	9.9	13.2	11.1	9.5	8.8	9.6
85°	6.0	5.7	3.9	4.9	6.6	6.8	8.2	8.2	6.8	6.1	5.7
86°	1.3	1.3	1.3	2.2	2.9	3.8	4.3	4.5	3.6	3.2	2.7
87°	0.3	0.3	0.3	0.5	0.9	1.2	1.7	1.4	1.2	1.3	1.1
88°	0.2	0.2	0.2	0.2	0.2	0.3	0.5	0.5	0.5	0.5	0.5
89°	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2



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CATALOG NUMBER: XSF100-SFTR-4Hx4V-850-Position 3

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: P1440313

CATALOG NUMBER: XSF100-SFTR-4Hx4V-850-Position 3

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
136°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
138°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
139°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
141°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
143°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
144°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
146°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
148°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
149°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
151°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
153°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
154°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
156°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
158°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
159°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
161°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
163°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
164°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
166°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
168°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
169°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
171°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
173°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
174°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
176°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
178°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
179°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1440313

CATALOG NUMBER: XSF100-SFTR-4Hx4V-850-Position 3

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	22493.5	22493.5	22493.5	22493.5	22493.5	22493.5	22493.5	22493.5	22493.5	22493.5	22493.5
1°	22357.3	22373.6	22413.2	22446.9	22485.3	22516.7	22544.7	22578.4	22600.5	22608.7	22600.5
2°	22057.0	22088.4	22155.9	22301.4	22394.5	22487.6	22563.3	22628.5	22658.7	22656.4	22609.8
3°	21756.8	21803.3	21898.7	22052.4	22180.4	22381.7	22527.2	22618.0	22661.1	22634.3	22530.7
4°	21455.3	21518.2	21640.4	21802.1	21967.4	22197.8	22438.8	22564.5	22614.5	22550.5	22388.7
5°	21085.2	21158.5	21284.2	21478.6	21753.3	22014.0	22313.1	22476.0	22520.2	22393.4	22175.7
6°	20707.0	20808.2	20938.6	21138.8	21446.0	21827.7	22078.0	22323.5	22355.0	22201.3	21923.2
7°	20341.5	20469.5	20620.8	20821.0	21132.9	21518.2	21841.7	22095.4	22135.0	21945.3	21633.4
8°	19973.8	20144.8	20312.4	20511.4	20801.2	21196.9	21605.5	21813.8	21846.4	21645.0	21313.3
9°	19585.0	19793.4	19986.6	20198.4	20470.7	20829.2	21234.2	21460.0	21484.4	21281.9	20973.5
10°	19141.6	19395.3	19628.1	19872.5	20111.1	20419.5	20791.9	21020.0	21072.4	20868.7	20616.2
11°	18622.5	18912.3	19202.1	19502.4	19732.8	19958.6	20283.3	20494.0	20545.2	20396.2	20235.6
12°	18026.7	18343.2	18678.4	19056.7	19302.2	19443.0	19697.9	19881.8	19959.8	19877.2	19836.4
13°	17343.5	17672.9	18066.2	18535.3	18816.9	18872.8	19046.2	19199.8	19299.9	19287.1	19367.4
14°	16582.3	16929.2	17366.8	17932.4	18245.5	18252.4	18350.2	18454.9	18576.0	18642.3	18853.0
15°	15763.0	16182.0	16624.2	17232.9	17590.2	17571.6	17587.9	17633.3	17777.6	17955.7	18261.8
16°	14909.9	15412.7	15864.2	16448.5	16825.6	16791.8	16765.1	16740.6	16923.3	17202.7	17594.9
17°	14052.2	14658.5	15101.9	15616.4	15981.8	15963.2	15873.6	15779.3	16009.7	16388.0	16817.4
18°	13132.7	13862.5	14328.0	14723.7	15026.3	15036.8	14906.4	14742.3	14991.4	15480.2	15928.3
19°	12130.7	12986.1	13477.2	13792.6	13997.5	14040.5	13831.0	13649.5	13933.4	14507.2	14961.1
20°	11053.3	11979.4	12532.2	12768.4	12879.0	12952.3	12744.0	12512.4	12806.9	13435.3	13876.4
21°	9878.3	10866.4	11430.6	11653.5	11703.5	11815.3	11571.0	11366.7	11668.6	12301.7	12741.7
22°	8668.8	9634.9	10231.7	10431.7	10483.7	10631.3	10421.7	10214.8	10521.5	11138.6	11557.1
23°	7450.5	8363.8	8947.6	9152.4	9227.0	9417.2	9231.1	9062.7	9374.1	9948.6	10322.8
24°	6277.8	7075.7	7646.4	7866.0	7975.8	8220.5	8068.2	7910.7	8226.6	8758.0	9087.9
25°	5164.3	5826.4	6359.1	6618.6	6772.4	7026.1	6919.6	6768.9	7096.5	7567.4	7853.1
26°	4167.5	4681.6	5163.9	5456.4	5644.4	5879.5	5779.5	5664.9	5983.2	6435.8	6676.2
27°	3324.1	3694.1	4111.5	4440.0	4616.5	4801.1	4722.8	4617.3	4913.5	5330.0	5566.3
28°	2778.3	3069.5	3222.1	3529.8	3714.0	3827.4	3760.8	3691.3	3941.4	4311.0	4539.8
29°	2232.5	2444.9	2686.1	2954.0	2958.1	3019.8	2966.6	2919.1	3112.0	3418.9	3638.0
30°	1691.1	1822.2	2150.1	2378.2	2430.6	2457.6	2424.4	2313.6	2442.3	2675.3	2860.6
31°	1385.1	1479.8	1622.6	1809.0	1903.7	1898.3	1882.5	1856.0	1941.0	2103.1	2258.3
32°	1155.2	1222.7	1328.3	1476.3	1545.9	1533.1	1521.8	1513.1	1567.6	1673.4	1791.1
33°	986.1	1032.3	1114.7	1231.5	1280.5	1257.8	1255.7	1259.7	1293.5	1358.4	1445.4
34°	859.4	890.1	951.5	1049.8	1077.9	1056.2	1059.3	1065.3	1089.9	1128.5	1189.3
35°	760.1	780.3	829.8	913.1	926.3	904.1	911.8	943.5	970.1	997.6	1046.7
36°	685.1	696.6	737.3	812.1	810.5	790.4	800.4	822.8	851.5	868.2	905.3
37°	624.0	631.3	663.9	733.6	722.3	703.9	715.5	740.8	732.8	738.7	763.9
38°	575.4	578.8	606.5	674.0	653.5	635.3	647.2	678.5	664.6	664.9	684.4
39°	535.5	536.6	560.9	626.9	599.0	582.4	592.9	627.1	608.9	604.9	622.2
40°	503.1	501.3	523.7	588.9	554.9	537.6	548.2	585.2	563.2	556.0	571.7
41°	476.0	471.7	492.8	557.3	518.7	501.3	511.4	550.4	525.8	515.0	531.4
42°	452.9	446.0	467.2	530.0	489.5	470.0	479.9	521.8	493.3	480.2	497.5
43°	433.2	424.2	445.2	506.0	464.8	443.9	453.1	497.7	465.7	450.8	469.3
44°	415.7	404.7	426.3	484.9	443.2	420.8	430.2	476.6	442.0	425.3	445.3

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CATALOG NUMBER: XSF100-SFTR-4Hx4V-850-Position 3

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	399.7	387.5	409.9	466.2	424.2	400.0	409.8	458.6	421.6	403.5	424.7
46°	384.4	371.4	395.0	448.6	407.6	381.5	392.2	442.0	403.1	383.4	406.2
47°	368.7	356.1	380.0	431.5	392.1	364.7	376.2	426.8	386.7	365.5	389.9
48°	352.8	341.9	365.0	413.2	377.3	349.2	362.3	412.6	371.9	349.7	375.0
49°	337.1	328.4	349.9	392.9	362.0	335.2	349.8	398.3	358.7	335.7	361.5
50°	321.5	315.1	334.8	372.7	346.2	321.8	336.6	382.8	346.4	322.3	348.6
51°	306.1	302.6	320.2	352.0	330.3	308.5	323.5	365.3	332.7	309.6	335.2
52°	291.0	289.8	305.5	332.1	314.5	295.5	309.6	347.6	318.4	297.0	321.4
53°	276.3	277.8	290.3	312.8	298.6	283.2	296.2	328.9	304.3	284.9	307.3
54°	262.7	266.4	275.8	293.7	282.6	270.8	282.7	310.2	290.1	273.1	292.5
55°	249.7	254.8	261.8	275.3	266.9	258.8	269.6	291.5	275.3	261.0	277.4
56°	236.6	243.2	247.8	259.7	252.9	246.8	256.5	273.9	261.2	249.1	261.6
57°	225.1	231.6	233.8	244.1	238.9	234.8	243.4	257.4	247.1	237.4	246.8
58°	213.7	220.9	220.7	228.5	224.9	223.5	230.3	243.2	234.3	225.9	232.7
59°	202.3	210.4	207.3	215.3	212.5	212.5	218.2	230.2	221.9	214.7	219.2
60°	191.5	200.1	194.4	202.3	200.0	201.8	206.2	218.4	209.9	203.9	205.7
61°	181.8	190.0	183.2	190.1	188.5	191.6	195.0	206.7	198.2	193.3	192.5
62°	173.4	180.1	173.7	179.9	177.9	181.7	184.8	195.9	187.4	183.1	180.2
63°	165.4	170.4	165.4	171.2	168.4	172.2	176.0	187.0	177.8	173.1	169.4
64°	157.5	160.9	157.6	164.5	159.7	162.8	168.0	180.9	169.2	163.7	160.3
65°	149.8	151.0	149.9	157.8	151.6	153.8	160.4	176.7	160.9	154.8	152.1
66°	141.5	141.6	142.1	150.4	143.6	144.6	152.7	171.7	152.9	145.7	144.1
67°	133.3	132.4	134.2	141.3	135.7	135.5	144.4	165.1	144.7	136.8	136.2
68°	124.7	122.7	125.9	130.6	127.9	126.2	136.2	157.4	136.9	127.7	128.4
69°	115.9	112.2	117.1	120.4	119.7	116.5	127.9	148.3	128.7	118.3	120.3
70°	107.0	102.1	108.3	115.0	110.9	106.3	119.2	138.4	120.2	107.9	111.8
71°	98.0	93.2	99.4	116.9	102.0	96.7	110.1	128.3	111.6	98.8	102.7
72°	88.7	84.9	90.5	122.3	92.8	87.9	100.8	127.4	102.2	89.8	93.5
73°	79.6	77.1	81.5	108.5	83.4	79.3	91.1	123.4	92.7	80.9	84.4
74°	70.6	69.4	72.4	88.4	74.1	70.9	81.7	105.0	83.3	72.4	75.3
75°	62.2	61.7	63.6	74.7	65.3	63.0	72.8	89.5	73.7	64.2	66.2
76°	54.1	54.3	55.5	63.7	56.7	55.5	64.0	74.0	65.0	56.5	57.6
77°	46.3	47.1	47.7	55.0	48.4	48.2	56.3	63.6	57.3	49.2	49.7
78°	39.0	40.2	40.1	47.1	40.4	41.3	48.4	54.8	48.7	42.1	42.1
79°	32.2	33.8	33.0	39.9	33.2	34.8	40.6	46.7	40.2	35.4	34.6
80°	26.7	28.2	27.4	32.9	27.3	29.0	33.1	39.2	32.7	29.1	28.0
81°	21.2	22.6	21.7	26.7	21.5	23.1	27.3	32.1	25.9	23.2	22.1
82°	15.7	17.1	16.2	20.6	15.6	17.4	21.5	25.6	20.0	17.8	16.6
83°	13.6	14.8	13.7	14.5	12.3	13.4	15.8	19.7	15.0	13.3	11.7
84°	13.1	14.5	13.4	10.8	11.3	11.7	13.1	14.3	12.6	10.6	9.2
85°	10.4	11.5	10.9	6.8	9.3	9.8	11.0	10.3	9.2	7.9	6.6
86°	5.4	5.8	6.3	3.4	5.7	6.5	7.1	6.3	5.8	5.2	3.8
87°	1.5	1.6	1.9	1.4	2.3	2.0	2.5	2.3	2.5	1.9	1.2
88°	0.6	0.7	0.7	0.6	0.7	0.8	1.1	0.8	0.7	0.5	0.3
89°	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1

REPORT NUMBER: P1440313

CATALOG NUMBER: XSF100-SFTR-4Hx4V-850-Position 3

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
94°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
96°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
101°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
104°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
106°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
108°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
109°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
111°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
114°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
116°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
118°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
119°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
121°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
123°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
124°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
126°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
128°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
129°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
131°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
133°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
134°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1440313

CATALOG NUMBER: XSF100-SFTR-4Hx4V-850-Position 3

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
136°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
138°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
139°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
141°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
143°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
144°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
146°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
148°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
149°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
151°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
153°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
154°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
156°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
158°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
159°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
161°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
163°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
164°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
166°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
168°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
169°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
171°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
173°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
174°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
176°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
178°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
179°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1440313
CATALOG NUMBER: XSF100-SFTR-4Hx4V-850-Position 3

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1440313

CATALOG NUMBER: XSF100-SFTR-4Hx4V-850-Position 3

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	22493.5	22493.5	22493.5
1°	22573.8	22540.0	22501.6
2°	22544.7	22469.0	22394.5
3°	22419.0	22294.4	22180.4
4°	22204.8	22029.1	21892.9
5°	21939.5	21727.7	21561.2
6°	21626.4	21379.7	21208.6
7°	21304.0	21048.0	20869.9
8°	20990.9	20733.7	20551.0
9°	20667.4	20433.5	20229.8
10°	20360.1	20129.7	19916.7
11°	20041.3	19800.3	19550.1
12°	19694.4	19404.6	19084.6
13°	19270.8	18920.5	18549.2
14°	18764.5	18349.0	17932.4
15°	18181.4	17719.4	17264.3
16°	17508.8	17040.9	16548.6
17°	16766.2	16312.3	15814.2
18°	15956.2	15560.5	15093.8
19°	15081.0	14800.5	14315.2
20°	14097.5	13984.7	13485.4
21°	13079.2	13086.2	12556.6
22°	11958.4	12067.8	11499.4
23°	10796.9	10936.6	10315.7
24°	9544.7	9683.0	9129.8
25°	8292.0	8428.9	7944.0
26°	7039.3	7174.6	6744.2
27°	5850.7	5927.5	5530.8
28°	4742.2	4733.1	4415.8
29°	3775.3	3716.4	3500.9
30°	2954.5	2889.3	2742.8
31°	2317.4	2251.9	2162.6
32°	1835.7	1782.6	1718.1
33°	1476.3	1437.9	1402.2
34°	1218.8	1187.6	1163.5
35°	1077.4	1046.8	1026.4
36°	938.0	907.5	891.0
37°	798.5	768.2	755.5
38°	721.6	689.9	677.5
39°	664.6	627.6	615.7
40°	618.0	577.0	565.2
41°	581.9	536.3	524.2
42°	551.5	501.9	488.7
43°	525.8	472.7	458.8
44°	502.6	447.3	432.5

REPORT NUMBER: P1440313

CATALOG NUMBER: XSF100-SFTR-4Hx4V-850-Position 3

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	481.4	424.9	409.4
46°	461.4	404.8	388.4
47°	443.1	386.7	370.2
48°	425.8	371.2	353.3
49°	409.0	356.4	336.9
50°	391.9	342.3	321.4
51°	374.2	328.5	307.3
52°	354.4	314.2	293.9
53°	334.2	300.4	281.7
54°	313.3	286.5	269.6
55°	293.1	272.3	257.8
56°	272.9	258.1	246.2
57°	254.7	243.7	235.0
58°	237.9	229.3	223.2
59°	222.8	214.9	212.3
60°	209.8	201.4	201.1
61°	197.2	188.6	190.6
62°	185.0	176.9	180.5
63°	174.1	166.7	170.3
64°	165.2	158.0	160.6
65°	157.4	150.0	151.1
66°	151.2	142.4	141.6
67°	144.4	134.6	132.3
68°	134.7	126.5	123.0
69°	123.7	118.3	113.2
70°	113.9	109.5	103.8
71°	113.1	100.7	94.4
72°	112.6	91.9	85.0
73°	112.1	83.0	76.8
74°	101.9	74.4	69.1
75°	83.3	66.0	61.4
76°	68.5	57.0	54.2
77°	57.7	49.0	46.8
78°	48.7	41.3	39.7
79°	40.7	33.5	32.7
80°	33.0	26.5	26.1
81°	25.5	20.3	20.4
82°	18.9	14.9	15.0
83°	13.4	12.1	12.0
84°	9.6	9.4	9.0
85°	5.8	6.7	6.0
86°	2.0	1.9	1.3
87°	0.4	0.4	0.3
88°	0.2	0.2	0.2
89°	0.1	0.1	0.1

REPORT NUMBER: P1440313

CATALOG NUMBER: XSF100-SFTR-4Hx4V-850-Position 3

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
90°	0.0	0.0	0.0
91°	0.0	0.0	0.0
92°	0.0	0.0	0.0
93°	0.0	0.0	0.0
94°	0.0	0.0	0.0
95°	0.0	0.0	0.0
96°	0.0	0.0	0.0
97°	0.0	0.0	0.0
98°	0.0	0.0	0.0
99°	0.0	0.0	0.0
100°	0.0	0.0	0.0
101°	0.0	0.0	0.0
102°	0.0	0.0	0.0
103°	0.0	0.0	0.0
104°	0.0	0.0	0.0
105°	0.0	0.0	0.0
106°	0.0	0.0	0.0
107°	0.0	0.0	0.0
108°	0.0	0.0	0.0
109°	0.0	0.0	0.0
110°	0.0	0.0	0.0
111°	0.0	0.0	0.0
112°	0.0	0.0	0.0
113°	0.0	0.0	0.0
114°	0.0	0.0	0.0
115°	0.0	0.0	0.0
116°	0.0	0.0	0.0
117°	0.0	0.0	0.0
118°	0.0	0.0	0.0
119°	0.0	0.0	0.0
120°	0.0	0.0	0.0
121°	0.0	0.0	0.0
122°	0.0	0.0	0.0
123°	0.0	0.0	0.0
124°	0.0	0.0	0.0
125°	0.0	0.0	0.0
126°	0.0	0.0	0.0
127°	0.0	0.0	0.0
128°	0.0	0.0	0.0
129°	0.0	0.0	0.0
130°	0.0	0.0	0.0
131°	0.0	0.0	0.0
132°	0.0	0.0	0.0
133°	0.0	0.0	0.0
134°	0.0	0.0	0.0

REPORT NUMBER: P1440313

CATALOG NUMBER: XSF100-SFTR-4Hx4V-850-Position 3

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
135°	0.0	0.0	0.0
136°	0.0	0.0	0.0
137°	0.0	0.0	0.0
138°	0.0	0.0	0.0
139°	0.0	0.0	0.0
140°	0.0	0.0	0.0
141°	0.0	0.0	0.0
142°	0.0	0.0	0.0
143°	0.0	0.0	0.0
144°	0.0	0.0	0.0
145°	0.0	0.0	0.0
146°	0.0	0.0	0.0
147°	0.0	0.0	0.0
148°	0.0	0.0	0.0
149°	0.0	0.0	0.0
150°	0.0	0.0	0.0
151°	0.0	0.0	0.0
152°	0.0	0.0	0.0
153°	0.0	0.0	0.0
154°	0.0	0.0	0.0
155°	0.0	0.0	0.0
156°	0.0	0.0	0.0
157°	0.0	0.0	0.0
158°	0.0	0.0	0.0
159°	0.0	0.0	0.0
160°	0.0	0.0	0.0
161°	0.0	0.0	0.0
162°	0.0	0.0	0.0
163°	0.0	0.0	0.0
164°	0.0	0.0	0.0
165°	0.0	0.0	0.0
166°	0.0	0.0	0.0
167°	0.0	0.0	0.0
168°	0.0	0.0	0.0
169°	0.0	0.0	0.0
170°	0.0	0.0	0.0
171°	0.0	0.0	0.0
172°	0.0	0.0	0.0
173°	0.0	0.0	0.0
174°	0.0	0.0	0.0
175°	0.0	0.0	0.0
176°	0.0	0.0	0.0
177°	0.0	0.0	0.0
178°	0.0	0.0	0.0
179°	0.0	0.0	0.0

REPORT NUMBER: P1440313

CATALOG NUMBER: XSF100-SFTR-4Hx4V-850-Position 3

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)