

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: P1440312

Luminaire Tested: XSF100-SFTR-4Hx4V-850-Position 2

Issue Date: 04/15/2026

Test Information

Test Method: LM-79-2024
Report Number: P1440312
Test Lab: THIRD PARTY NVLAP
Issue Date: 7/15/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XSF100-SFTR-4Hx4V-850-Position 2
Description: LUMARK ALL SELECTABLE LUMINAIRE 100W w/ NEMA 4 FLOOD DISTRIBUTION 5000K CCT
80 CRI LIGHT ENGINE AT Position 2
Light Source: (1) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13751.7 lumens
Efficiency: N/A
Efficacy: 159.9 lumens/watt
Luminous Opening: Rectangular (W 0.4' x L: 0.4' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G1

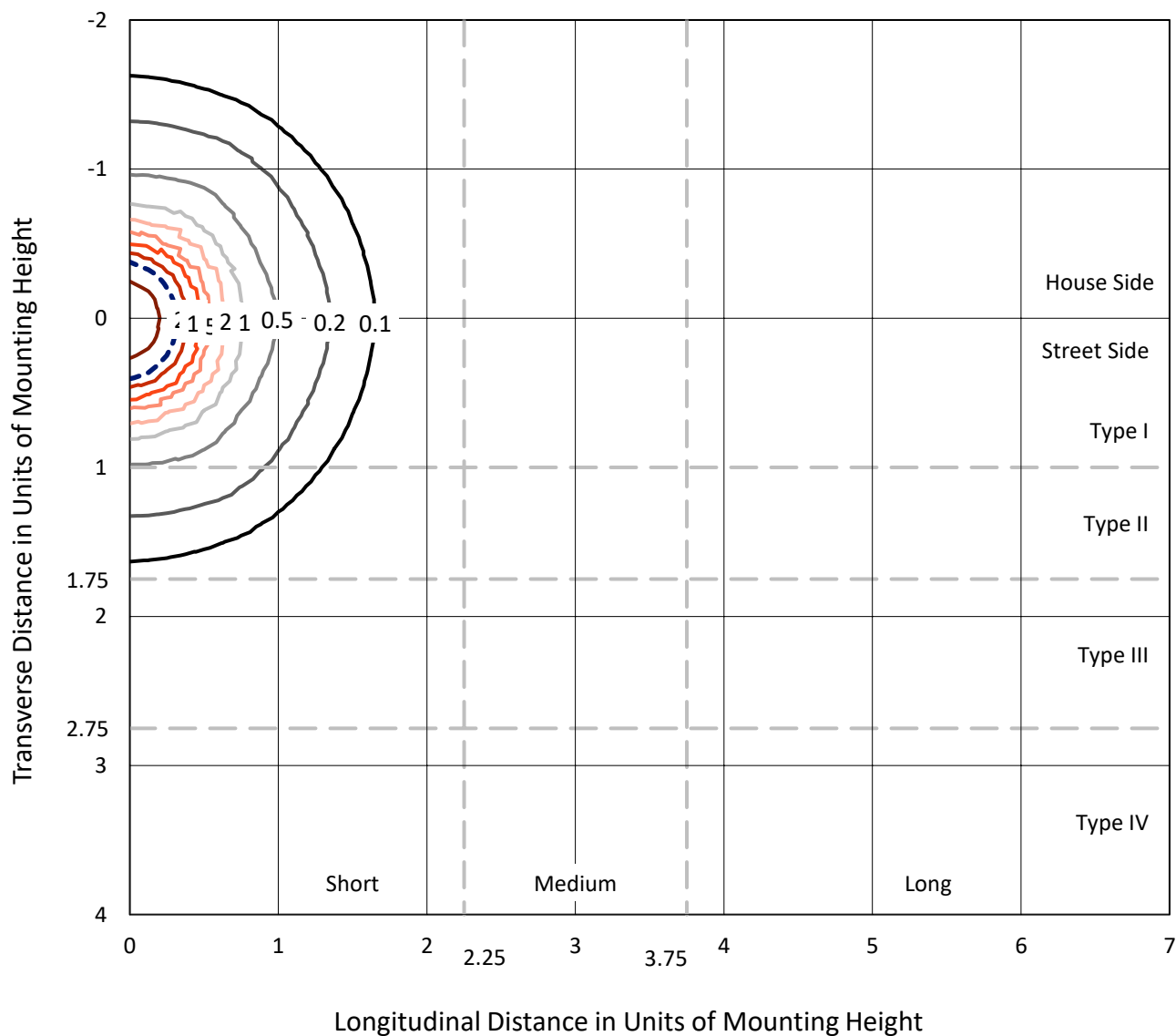
Input Watts (W): 86
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

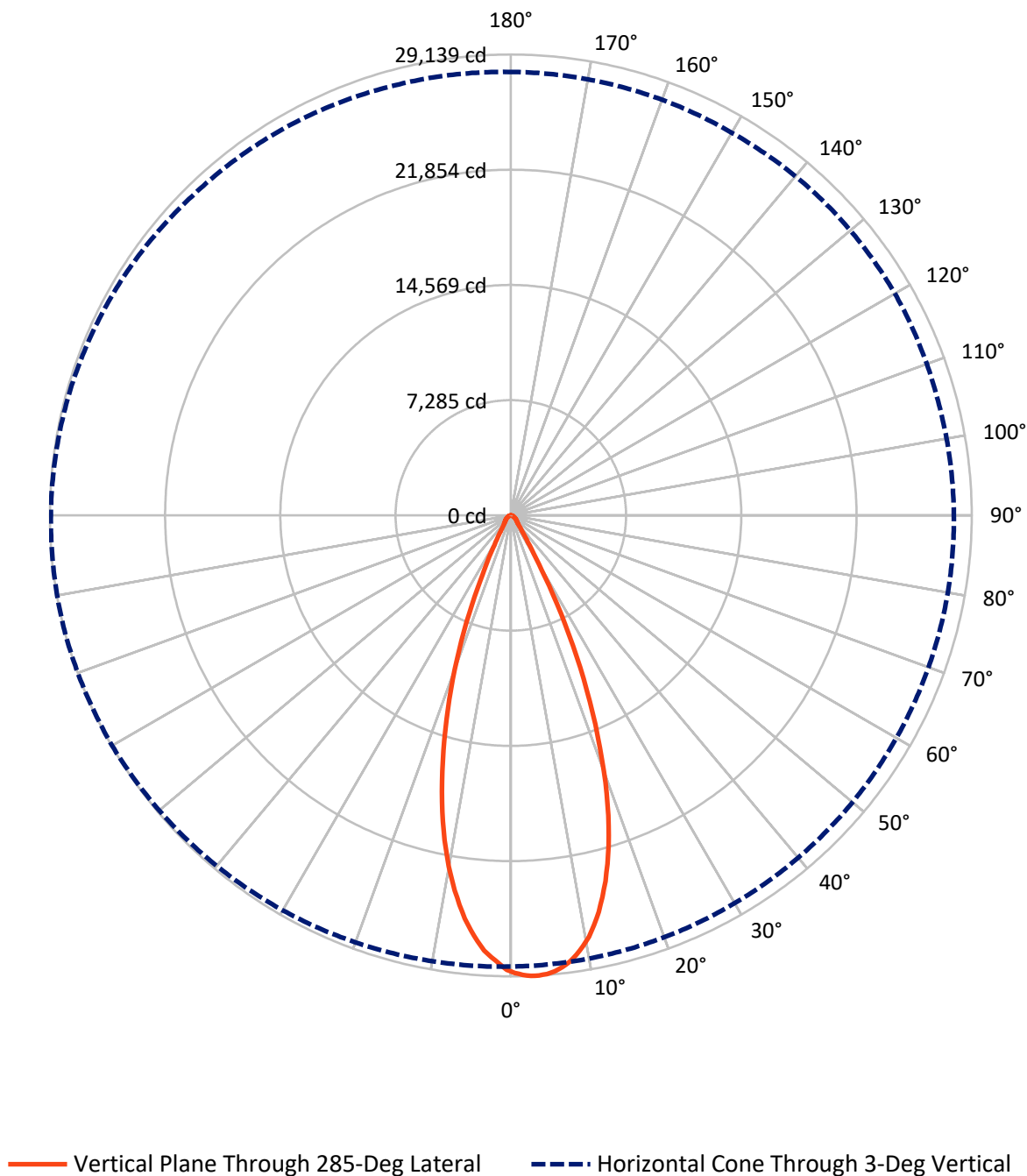


Based on 20 foot mounting height. Maximum calculated value = 72.3 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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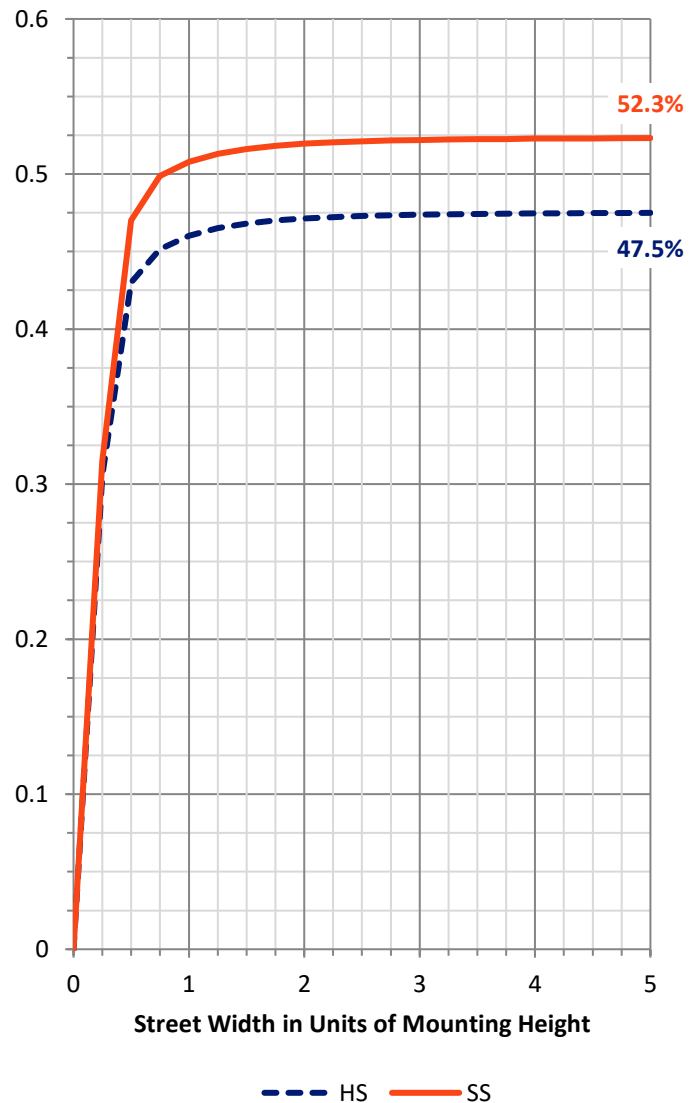
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6622.5	0.0	6622.5
	% Fixture	48.2	0.0	48.2
Street Side	Lumens	7129.2	0.0	7129.2
	% Fixture	51.8	0.0	51.8
Total	Lumens	13751.7	0.0	13751.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2561.0	18.6
10°-20°	5694.6	41.4
20°-30°	3647.0	26.5
30°-40°	812.6	5.9
40°-50°	423.0	3.1
50°-60°	307.6	2.2
60°-70°	198.1	1.4
70°-80°	94.8	0.7
80°-90°	13.0	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°	13751.7	100.0
0°-180°	13751.7	100.0

Coefficient of Utilization



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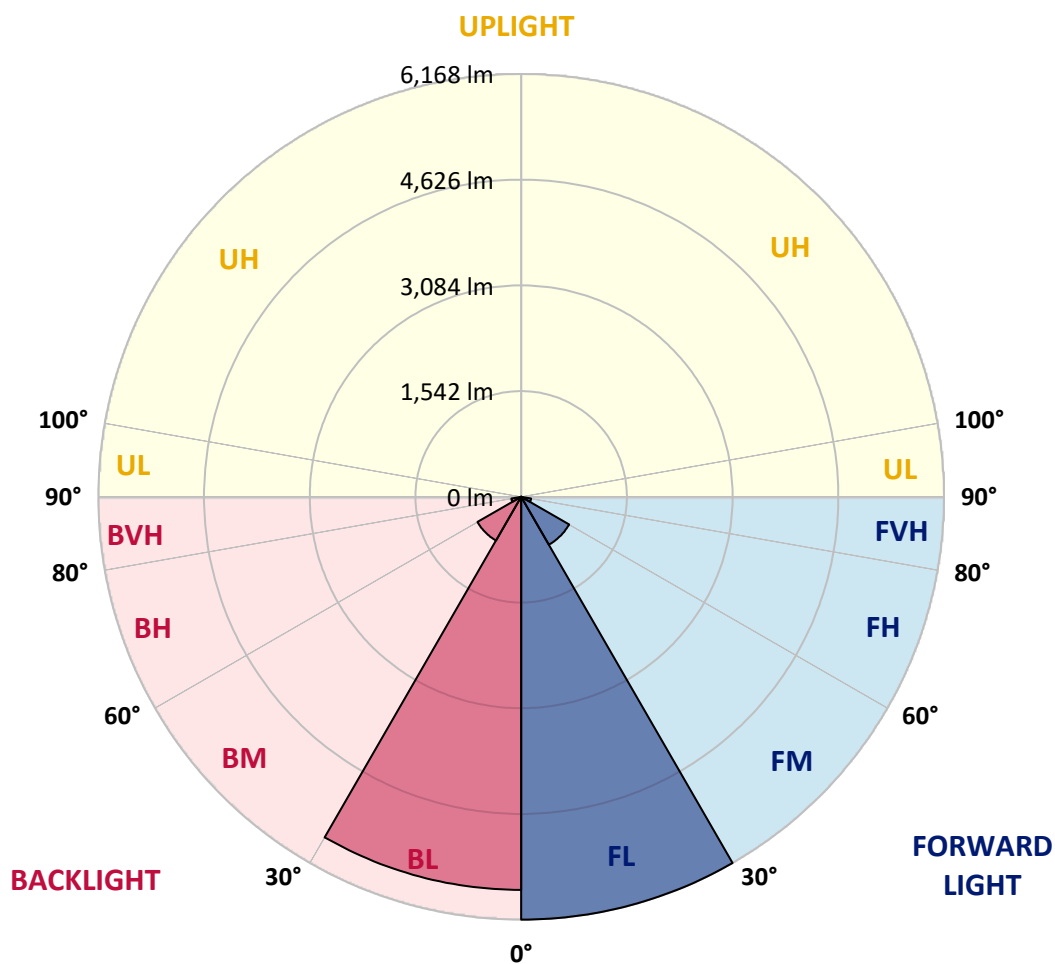
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	6168.1	44.9			
FM	(30°-60°)	807.8	5.9			
FH	(60°-80°)	147.0	1.1			G0/660
FVH	(80°-90°)	6.2	0.0			G0/10
BL	(0°-30°)	5734.4	41.7	B5		
BM	(30°-60°)	735.4	5.3	B1/1000		
BH	(60°-80°)	145.8	1.1	B1/500		G1/500
BVH	(80°-90°)	6.9	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°	28923.3	28923.3	28923.3	28923.3	28923.3	28923.3	28923.3	28923.3	28923.3	28923.3	28923.3
1°	28933.7	28899.3	28843.9	28796.1	28754.2	28710.8	28733.2	28724.2	28710.8	28707.8	28707.8
2°	28796.1	28713.7	28619.5	28562.6	28492.3	28447.4	28372.5	28341.1	28378.5	28363.6	28320.2
3°	28520.7	28412.9	28303.7	28230.4	28145.1	28077.7	28010.4	27958.0	28041.8	28016.4	27932.6
4°	28151.1	28031.3	27904.1	27803.9	27717.1	27625.8	27646.7	27568.9	27528.5	27525.5	27543.5
5°	27724.5	27577.9	27440.2	27320.5	27193.3	27067.6	27090.0	26995.7	26965.8	26979.3	27024.2
6°	27271.1	27112.5	26950.8	26771.3	26600.7	26445.0	26434.5	26350.7	26346.2	26389.6	26506.4
7°	26835.6	26653.0	26428.6	26178.6	25948.2	25758.1	25719.2	25650.4	25639.9	25767.1	25967.6
8°	26425.6	26210.1	25904.8	25554.6	25238.8	24970.9	24923.1	24834.8	24878.2	25092.2	25399.0
9°	26012.5	25768.6	25364.5	24891.6	24454.6	24125.4	24031.1	23972.8	24061.1	24354.4	24795.9
10°	25610.0	25276.2	24795.9	24192.8	23631.6	23229.0	23077.8	23037.4	23197.6	23589.7	24129.9
11°	25138.6	24739.0	24161.3	23452.0	22778.5	22244.3	22066.2	22046.7	22265.2	22738.1	23386.1
12°	24539.9	24116.4	23486.4	22660.3	21886.6	21235.6	20964.8	20960.3	21270.1	21822.3	22545.1
13°	23851.5	23380.1	22685.8	21793.8	20918.4	20158.1	19821.4	19819.9	20203.0	20839.1	21621.7
14°	23058.4	22545.1	21768.4	20846.5	19908.2	19022.3	18597.3	18627.2	19070.2	19773.5	20592.1
15°	22199.4	21618.7	20755.2	19825.9	18785.8	17825.1	17346.2	17373.1	17875.9	18621.2	19462.3
16°	21279.0	20613.1	19647.8	18723.0	17596.1	16572.5	16053.2	16095.1	16615.9	17416.5	18244.1
17°	20334.7	19568.5	18523.9	17530.2	16371.9	15291.4	14774.0	14807.9	15325.9	16144.5	16997.5
18°	19408.4	18494.0	17346.2	16304.6	15108.9	14051.9	13507.1	13523.0	14014.6	14826.6	15704.5
19°	18407.2	17383.6	16128.0	15017.6	13795.1	12796.5	12251.0	12245.3	12690.9	13438.5	14344.6
20°	17340.2	16210.3	14874.1	13642.9	12535.5	11540.6	11019.0	10998.7	11405.1	12043.3	12937.3
21°	16146.0	14921.8	13520.6	12352.0	11276.1	10284.7	9778.3	9748.3	10107.5	10638.5	11441.5
22°	14786.5	13812.7	12164.3	11063.0	9989.1	9032.4	8552.2	8519.5	8825.0	9246.3	9960.8
23°	13264.4	12245.0	10808.0	9731.4	8724.6	7805.1	7349.0	7309.9	7579.3	7906.3	8519.8
24°	11739.6	10665.3	9435.1	8437.2	7491.9	6624.5	6194.2	6144.4	6370.8	6633.0	7164.4
25°	10214.8	9178.0	8096.5	7179.1	6315.9	5546.6	5162.2	5090.1	5258.5	5474.4	5926.1
26°	8672.0	7757.8	6820.5	6003.3	5238.9	4589.4	4267.3	4170.1	4282.6	4455.9	4814.0
27°	7111.8	6395.2	5639.0	4954.1	4312.1	3777.7	3649.3	3557.1	3636.1	3772.7	3893.5
28°	5678.1	5148.5	4580.9	4041.7	3517.0	3098.8	3031.4	2944.0	2989.7	3089.4	3294.7
29°	4501.7	4113.5	3718.9	3293.7	2887.5	2556.4	2414.3	2333.1	2349.5	2413.1	2696.0
30°	3526.9	3271.2	3000.1	2684.9	2375.9	2112.8	2013.7	1939.5	1944.3	1991.9	2100.4
31°	2780.8	2619.8	2435.0	2206.5	1969.6	1765.7	1695.3	1631.8	1633.8	1674.5	1746.6
32°	2209.2	2108.4	2002.8	1834.0	1654.3	1501.3	1448.9	1389.1	1394.5	1431.0	1478.8
33°	1803.0	1735.7	1667.6	1545.0	1404.9	1334.0	1258.0	1203.6	1208.7	1239.8	1276.3
34°	1496.1	1454.1	1416.3	1370.3	1250.0	1168.6	1113.2	1058.8	1060.9	1093.5	1123.0
35°	1319.8	1290.4	1268.5	1195.8	1096.4	1003.3	998.4	945.5	945.0	976.8	1006.2
36°	1145.6	1128.6	1121.3	1021.3	942.9	904.4	908.7	856.3	854.1	886.0	916.9
37°	971.5	966.9	974.1	914.4	849.5	825.3	836.4	784.3	779.0	811.1	845.6
38°	871.1	870.5	886.9	830.2	774.8	760.4	776.3	724.6	719.0	750.9	789.2
39°	791.7	792.7	818.1	760.4	713.6	706.3	727.9	676.4	669.1	701.6	744.0
40°	726.8	729.8	762.4	702.2	663.5	661.8	687.4	635.9	627.9	661.3	706.2
41°	674.0	678.2	716.2	656.4	621.8	624.4	653.4	602.1	593.3	627.6	674.8
42°	628.4	635.3	677.3	618.0	586.9	593.1	625.2	572.9	563.4	599.2	646.8
43°	590.0	599.0	643.7	585.4	555.8	565.3	600.5	548.0	538.1	575.0	622.3
44°	556.1	567.8	613.5	556.9	528.2	540.6	578.5	526.3	514.8	554.0	600.8

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CATALOG NUMBER: XSF100-SFTR-4Hx4V-850-Position 2

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	526.4	539.8	587.0	532.0	503.6	518.3	558.5	506.5	493.8	534.1	579.1
46°	499.4	514.6	562.7	510.3	481.9	498.1	539.1	487.2	474.5	514.6	556.1
47°	476.0	491.8	540.5	491.3	462.0	479.3	517.9	468.5	456.1	494.3	530.6
48°	454.3	470.5	519.7	473.1	443.5	459.8	496.4	450.2	438.9	474.3	504.9
49°	433.3	449.1	497.6	455.2	425.8	441.3	475.4	432.3	422.2	453.9	478.8
50°	413.3	428.2	474.3	437.2	408.9	422.8	453.4	414.6	405.7	433.6	453.0
51°	395.1	407.3	449.5	418.2	392.4	403.9	431.0	396.8	390.1	413.9	428.2
52°	377.9	387.0	424.6	399.4	376.2	384.7	409.1	379.7	374.2	394.1	404.1
53°	362.2	367.9	400.4	380.4	360.2	366.3	388.4	362.6	358.4	374.8	380.9
54°	346.7	348.7	376.7	361.8	344.5	348.3	367.8	346.7	343.0	355.8	358.7
55°	331.5	330.5	353.8	343.5	329.3	331.4	348.8	331.1	328.2	337.7	339.6
56°	316.5	313.1	331.8	325.2	314.6	315.9	332.6	315.5	313.3	319.7	321.0
57°	302.2	296.8	311.4	307.4	300.3	301.2	316.5	299.9	298.4	301.8	302.6
58°	287.0	280.9	293.6	290.1	286.4	287.0	300.3	285.4	284.9	284.3	286.0
59°	273.0	266.2	277.0	273.1	273.0	273.7	285.9	271.6	271.5	267.9	270.2
60°	258.5	251.8	260.7	256.2	259.2	260.8	271.8	258.3	258.1	252.3	255.1
61°	245.0	238.2	245.2	240.6	245.8	248.8	258.6	246.0	244.7	238.5	240.7
62°	232.0	225.5	231.1	226.9	233.4	236.9	247.9	234.7	232.2	226.5	229.2
63°	219.0	213.6	218.5	214.6	221.0	225.9	240.3	223.9	220.2	215.2	219.3
64°	206.5	202.9	208.5	203.4	209.1	215.0	232.6	213.2	208.4	204.2	210.3
65°	194.3	192.2	199.8	192.6	197.2	204.2	223.3	202.2	196.6	193.4	200.1
66°	182.0	182.1	191.1	181.8	185.2	193.6	213.2	191.2	184.4	182.8	187.9
67°	170.2	172.0	180.1	170.9	173.0	183.3	201.9	180.5	172.0	172.6	174.0
68°	158.2	161.3	166.5	160.2	160.4	171.9	189.6	169.1	159.1	162.0	159.5
69°	145.6	150.8	153.2	148.7	146.9	159.8	176.3	157.4	145.0	150.7	150.0
70°	133.5	138.9	141.5	136.7	134.2	147.9	166.2	145.4	131.1	139.0	160.2
71°	121.4	127.6	144.4	124.7	121.5	135.5	182.2	133.1	118.9	126.9	166.6
72°	109.3	116.3	147.5	112.8	108.8	123.1	166.7	120.9	107.7	114.7	154.0
73°	98.8	105.1	150.7	100.6	97.4	110.8	140.5	108.7	96.6	102.0	127.6
74°	88.9	93.3	125.0	89.4	86.7	99.1	118.1	97.1	86.1	90.0	108.7
75°	79.0	81.5	100.1	78.1	76.4	87.7	101.7	86.5	76.2	79.1	94.8
76°	69.6	71.0	82.9	67.8	66.7	76.4	89.4	76.9	66.5	68.4	82.3
77°	60.2	60.7	69.9	58.2	57.7	65.1	78.8	66.5	57.5	57.8	71.0
78°	51.0	50.4	59.1	49.0	48.9	54.5	69.1	55.8	48.7	48.1	60.1
79°	42.0	40.6	49.4	40.0	40.7	44.8	59.2	46.1	40.5	39.9	50.8
80°	33.6	32.0	39.7	31.9	33.0	36.2	49.4	38.2	33.5	31.8	41.4
81°	26.2	24.4	30.2	24.7	25.9	28.5	40.3	30.4	26.4	23.7	33.3
82°	19.3	17.8	22.2	18.1	19.6	21.8	32.5	22.5	19.4	18.0	25.3
83°	15.4	14.3	15.2	14.1	15.0	16.7	24.7	17.4	15.3	14.0	17.4
84°	11.5	10.8	10.1	10.2	11.7	12.7	16.9	14.3	12.2	11.3	12.3
85°	7.7	7.3	5.1	6.3	8.5	8.8	10.5	10.6	8.8	7.9	7.3
86°	1.6	1.7	1.7	2.9	3.8	4.9	5.5	5.7	4.6	4.2	3.4
87°	0.4	0.4	0.4	0.6	1.1	1.6	2.2	1.9	1.5	1.7	1.4
88°	0.2	0.2	0.2	0.2	0.3	0.4	0.6	0.6	0.7	0.7	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: P1440312

CATALOG NUMBER: XSF100-SFTR-4Hx4V-850-Position 2

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: P1440312

CATALOG NUMBER: XSF100-SFTR-4Hx4V-850-Position 2

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: P1440312

CATALOG NUMBER: XSF100-SFTR-4Hx4V-850-Position 2

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	28923.3	28923.3	28923.3	28923.3	28923.3	28923.3	28923.3	28923.3	28923.3	28923.3	28923.3
1°	28748.2	28769.1	28820.0	28863.4	28912.8	28953.2	28989.1	29032.5	29060.9	29071.4	29060.9
2°	28362.1	28402.5	28489.3	28676.3	28796.1	28915.8	29013.0	29096.9	29135.8	29132.8	29072.9
3°	27976.0	28035.8	28158.5	28356.1	28520.7	28779.6	28966.7	29083.4	29138.8	29104.3	28971.1
4°	27588.4	27669.2	27826.3	28034.3	28246.8	28543.1	28852.9	29014.5	29078.9	28996.6	28788.6
5°	27112.5	27206.7	27368.4	27618.3	27971.5	28306.7	28691.3	28900.8	28957.7	28794.6	28514.7
6°	26626.1	26756.3	26923.9	27181.3	27576.4	28067.2	28389.0	28704.8	28745.2	28547.6	28190.0
7°	26156.2	26320.8	26515.4	26772.8	27173.8	27669.2	28085.2	28411.4	28462.3	28218.4	27817.3
8°	25683.3	25903.3	26118.8	26374.7	26747.3	27256.1	27781.4	28049.3	28091.2	27832.3	27405.8
9°	25183.5	25451.3	25699.8	25972.1	26322.3	26783.2	27304.0	27594.3	27625.8	27365.4	26968.8
10°	24613.3	24939.5	25238.8	25553.1	25859.9	26256.5	26735.3	27028.7	27096.0	26834.1	26509.4
11°	23945.8	24318.5	24691.1	25077.2	25373.5	25663.8	26081.4	26352.2	26418.1	26226.5	26020.0
12°	23179.6	23586.7	24017.7	24504.0	24819.8	25000.9	25328.6	25565.1	25665.3	25559.1	25506.7
13°	22301.2	22724.7	23230.5	23833.6	24195.7	24267.6	24490.6	24688.1	24816.8	24800.3	24903.6
14°	21322.4	21768.4	22331.1	23058.4	23461.0	23469.9	23595.6	23730.3	23886.0	23971.3	24242.1
15°	20268.9	20807.6	21376.3	22159.0	22618.4	22594.5	22615.4	22673.8	22859.4	23088.3	23481.9
16°	19171.9	19818.4	20399.1	21150.3	21635.2	21591.8	21557.4	21526.0	21760.9	22120.1	22624.4
17°	18069.0	18848.7	19418.9	20080.3	20550.2	20526.3	20411.0	20289.8	20586.1	21072.5	21624.7
18°	16886.7	17825.1	18423.7	18932.5	19321.6	19335.0	19167.4	18956.4	19276.7	19905.2	20481.4
19°	15598.2	16698.2	17329.7	17735.3	17998.7	18054.0	17784.7	17551.2	17916.3	18654.1	19237.8
20°	14212.9	15403.7	16114.5	16418.3	16560.5	16654.8	16386.9	16089.1	16467.7	17275.8	17843.0
21°	12702.0	13972.6	14698.1	14984.7	15049.0	15192.7	14878.6	14615.9	15004.1	15818.2	16383.9
22°	11146.8	12389.1	13156.5	13413.6	13480.5	13670.3	13400.7	13134.7	13529.1	14322.6	14860.8
23°	9580.3	10754.6	11505.3	11768.6	11864.6	12109.1	11869.8	11653.3	12053.7	12792.4	13273.5
24°	8072.4	9098.2	9832.1	10114.5	10255.7	10570.4	10374.5	10172.0	10578.2	11261.5	11685.7
25°	6640.5	7491.9	8176.8	8510.6	8708.3	9034.5	8897.6	8703.8	9125.0	9730.5	10097.9
26°	5358.7	6019.9	6640.1	7016.1	7257.8	7560.1	7431.6	7284.2	7693.5	8275.5	8584.6
27°	4274.4	4750.1	5286.8	5709.2	5936.1	6173.4	6072.9	5937.1	6318.0	6853.6	7157.4
28°	3572.5	3946.9	4143.1	4538.8	4775.7	4921.5	4835.9	4746.5	5068.1	5543.3	5837.5
29°	2870.6	3143.7	3454.0	3798.5	3803.7	3883.0	3814.6	3753.6	4001.5	4396.2	4678.0
30°	2174.4	2343.1	2764.7	3058.0	3125.3	3160.1	3117.4	2974.9	3140.4	3440.1	3678.3
31°	1781.0	1902.8	2086.4	2326.0	2447.9	2441.0	2420.6	2386.5	2495.9	2704.2	2903.8
32°	1485.4	1572.2	1708.0	1898.3	1987.8	1971.4	1956.9	1945.6	2015.7	2151.7	2303.1
33°	1268.0	1327.4	1433.3	1583.5	1646.5	1617.3	1614.6	1619.8	1663.2	1746.7	1858.5
34°	1105.0	1144.5	1223.5	1349.9	1386.0	1358.2	1362.1	1369.8	1401.5	1451.0	1529.3
35°	977.4	1003.3	1067.0	1174.2	1191.1	1162.5	1172.5	1213.2	1247.4	1282.8	1345.9
36°	881.0	895.7	948.1	1044.2	1042.1	1016.3	1029.2	1058.0	1094.9	1116.4	1164.0
37°	802.4	811.7	853.6	943.4	928.8	905.2	920.0	952.5	942.3	949.9	982.2
38°	739.8	744.2	779.8	866.6	840.3	816.9	832.2	872.4	854.6	854.9	880.0
39°	688.6	690.0	721.2	806.1	770.2	748.8	762.3	806.4	783.0	777.9	800.1
40°	646.9	644.6	673.4	757.2	713.5	691.3	704.9	752.4	724.2	714.9	735.2
41°	612.0	606.5	633.6	716.7	667.0	644.6	657.6	707.7	676.1	662.2	683.3
42°	582.4	573.5	600.7	681.5	629.5	604.4	617.1	670.9	634.3	617.4	639.7
43°	557.0	545.4	572.5	650.7	597.6	570.7	582.7	640.0	598.8	579.7	603.5
44°	534.5	520.3	548.1	623.6	569.8	541.1	553.1	612.9	568.4	546.9	572.6

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CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	514.0	498.2	527.1	599.4	545.5	514.4	527.0	589.7	542.1	518.9	546.1
46°	494.3	477.6	507.9	576.8	524.1	490.6	504.3	568.4	518.3	492.9	522.3
47°	474.1	457.8	488.6	554.9	504.2	468.9	483.7	548.8	497.2	470.0	501.3
48°	453.6	439.7	469.3	531.3	485.2	449.1	465.8	530.5	478.2	449.6	482.2
49°	433.5	422.2	449.9	505.3	465.5	431.0	449.8	512.1	461.3	431.7	464.8
50°	413.3	405.2	430.5	479.3	445.1	413.7	432.8	492.2	445.4	414.4	448.2
51°	393.6	389.2	411.7	452.6	424.7	396.7	416.0	469.7	427.8	398.1	431.1
52°	374.1	372.7	392.8	427.0	404.4	380.0	398.1	447.0	409.4	381.9	413.2
53°	355.3	357.2	373.3	402.2	384.0	364.2	380.9	422.9	391.3	366.3	395.1
54°	337.8	342.6	354.7	377.7	363.4	348.3	363.5	398.9	373.0	351.2	376.1
55°	321.0	327.6	336.7	354.0	343.3	332.8	346.7	374.8	354.0	335.6	356.7
56°	304.2	312.7	318.7	333.9	325.2	317.4	329.8	352.3	335.8	320.3	336.4
57°	289.5	297.7	300.7	313.9	307.2	301.9	313.0	331.0	317.7	305.3	317.3
58°	274.8	284.1	283.8	293.8	289.2	287.4	296.1	312.7	301.3	290.5	299.3
59°	260.1	270.5	266.5	276.9	273.2	273.3	280.6	296.0	285.4	276.1	281.9
60°	246.2	257.3	250.0	260.2	257.2	259.5	265.2	280.8	269.9	262.2	264.5
61°	233.8	244.3	235.5	244.4	242.4	246.4	250.8	265.8	254.9	248.6	247.5
62°	222.9	231.6	223.4	231.3	228.7	233.7	237.6	251.9	240.9	235.4	231.7
63°	212.6	219.1	212.7	220.1	216.6	221.4	226.3	240.5	228.6	222.6	217.9
64°	202.6	206.9	202.6	211.5	205.3	209.3	216.1	232.6	217.5	210.5	206.1
65°	192.6	194.2	192.7	202.9	195.0	197.7	206.2	227.2	206.8	199.0	195.6
66°	182.0	182.0	182.7	193.4	184.7	186.0	196.3	220.8	196.7	187.3	185.3
67°	171.4	170.3	172.6	181.7	174.4	174.3	185.7	212.3	186.1	175.9	175.1
68°	160.3	157.7	161.8	167.9	164.5	162.3	175.2	202.4	176.1	164.2	165.1
69°	149.0	144.2	150.5	154.8	153.9	149.7	164.5	190.7	165.5	152.1	154.7
70°	137.6	131.3	139.2	147.9	142.6	136.6	153.3	178.0	154.5	138.7	143.8
71°	126.0	119.8	127.9	150.3	131.2	124.3	141.6	165.0	143.5	127.0	132.0
72°	114.1	109.2	116.3	157.2	119.3	113.1	129.6	163.9	131.4	115.4	120.3
73°	102.4	99.2	104.8	139.6	107.3	102.0	117.1	158.6	119.2	104.0	108.5
74°	90.8	89.2	93.0	113.7	95.3	91.2	105.0	135.0	107.1	93.1	96.8
75°	80.0	79.3	81.7	96.0	83.9	81.0	93.6	115.1	94.7	82.6	85.1
76°	69.6	69.8	71.4	82.0	72.9	71.3	82.3	95.1	83.6	72.7	74.1
77°	59.6	60.6	61.4	70.7	62.2	62.0	72.4	81.7	73.6	63.2	63.9
78°	50.2	51.7	51.5	60.5	52.0	53.1	62.3	70.4	62.6	54.1	54.1
79°	41.4	43.5	42.5	51.3	42.6	44.7	52.2	60.0	51.7	45.5	44.5
80°	34.4	36.3	35.2	42.3	35.1	37.2	42.6	50.3	42.0	37.4	36.0
81°	27.3	29.1	27.9	34.4	27.6	29.8	35.1	41.2	33.3	29.8	28.5
82°	20.2	22.0	20.8	26.4	20.1	22.3	27.7	32.9	25.7	22.9	21.3
83°	17.5	19.0	17.6	18.6	15.8	17.2	20.3	25.4	19.3	17.1	15.1
84°	16.8	18.6	17.2	13.9	14.5	15.1	16.8	18.4	16.2	13.6	11.8
85°	13.4	14.7	14.0	8.7	11.9	12.6	14.1	13.3	11.8	10.1	8.5
86°	6.9	7.5	8.1	4.4	7.4	8.3	9.2	8.1	7.5	6.7	4.9
87°	2.0	2.0	2.4	1.8	3.0	2.6	3.3	2.9	3.2	2.4	1.5
88°	0.8	0.8	0.9	0.8	0.9	1.0	1.4	1.0	0.9	0.6	0.3
89°	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.2	0.2	0.2	0.1

REPORT NUMBER: P1440312

CATALOG NUMBER: XSF100-SFTR-4Hx4V-850-Position 2

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: P1440312

CATALOG NUMBER: XSF100-SFTR-4Hx4V-850-Position 2

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: P1440312
CATALOG NUMBER: XSF100-SFTR-4Hx4V-850-Position 2

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: P1440312

CATALOG NUMBER: XSF100-SFTR-4Hx4V-850-Position 2

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	28923.3	28923.3	28923.3
1°	29026.5	28983.1	28933.7
2°	28989.1	28891.8	28796.1
3°	28827.5	28667.4	28520.7
4°	28552.1	28326.1	28151.1
5°	28210.9	27938.5	27724.5
6°	27808.4	27491.1	27271.1
7°	27393.8	27064.6	26835.6
8°	26991.2	26660.5	26425.6
9°	26575.2	26274.4	26012.5
10°	26180.1	25883.8	25610.0
11°	25770.1	25460.3	25138.6
12°	25324.1	24951.5	24539.9
13°	24779.4	24328.9	23851.5
14°	24128.4	23594.1	23058.4
15°	23378.6	22784.5	22199.4
16°	22513.7	21912.1	21279.0
17°	21558.9	20975.2	20334.7
18°	20517.3	20008.5	19408.4
19°	19391.9	19031.3	18407.2
20°	18127.4	17982.2	17340.2
21°	16817.9	16826.9	16146.0
22°	15376.8	15517.4	14786.5
23°	13883.2	14062.8	13264.4
24°	12273.1	12450.9	11739.6
25°	10662.3	10838.3	10214.8
26°	9051.6	9225.5	8672.0
27°	7523.2	7621.9	7111.8
28°	6097.7	6086.1	5678.1
29°	4854.4	4778.7	4501.7
30°	3799.1	3715.3	3526.9
31°	2979.9	2895.6	2780.8
32°	2360.5	2292.2	2209.2
33°	1898.3	1849.0	1803.0
34°	1567.2	1527.0	1496.1
35°	1385.4	1346.0	1319.8
36°	1206.1	1166.9	1145.6
37°	1026.8	987.9	971.5
38°	927.9	887.1	871.1
39°	854.6	807.1	791.7
40°	794.6	741.9	726.8
41°	748.3	689.6	674.0
42°	709.2	645.4	628.4
43°	676.1	607.8	590.0
44°	646.2	575.1	556.1

REPORT NUMBER: P1440312

CATALOG NUMBER: XSF100-SFTR-4Hx4V-850-Position 2

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	619.0	546.3	526.4
46°	593.3	520.5	499.4
47°	569.7	497.2	476.0
48°	547.5	477.3	454.3
49°	525.9	458.3	433.3
50°	504.0	440.2	413.3
51°	481.2	422.4	395.1
52°	455.7	404.0	377.9
53°	429.7	386.3	362.2
54°	402.8	368.4	346.7
55°	376.9	350.2	331.5
56°	350.9	331.9	316.5
57°	327.6	313.4	302.2
58°	305.9	294.9	287.0
59°	286.4	276.3	273.0
60°	269.8	259.0	258.5
61°	253.5	242.6	245.0
62°	237.8	227.5	232.0
63°	223.8	214.4	219.0
64°	212.4	203.2	206.5
65°	202.4	192.8	194.3
66°	194.4	183.1	182.0
67°	185.7	173.1	170.2
68°	173.1	162.6	158.2
69°	159.1	152.1	145.6
70°	146.4	140.9	133.5
71°	145.5	129.5	121.4
72°	144.8	118.1	109.3
73°	144.1	106.8	98.8
74°	131.0	95.7	88.9
75°	107.1	84.8	79.0
76°	88.1	73.4	69.6
77°	74.2	63.0	60.2
78°	62.6	53.1	51.0
79°	52.3	43.1	42.0
80°	42.4	34.1	33.6
81°	32.7	26.1	26.2
82°	24.4	19.1	19.3
83°	17.2	15.6	15.4
84°	12.3	12.1	11.5
85°	7.5	8.6	7.7
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: P1440312

CATALOG NUMBER: XSF100-SFTR-4Hx4V-850-Position 2

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: P1440312

CATALOG NUMBER: XSF100-SFTR-4Hx4V-850-Position 2

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: P1440312

CATALOG NUMBER: XSF100-SFTR-4Hx4V-850-Position 2

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)