

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: P1440307

Luminaire Tested: XSF100-SFTR-4Hx4V-840-Position 1

Issue Date: 04/15/2026

Test Information

Test Method: LM-79-2024
Report Number: P1440307
Test Lab: THIRD PARTY NVLAP
Issue Date: 7/15/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XSF100-SFTR-4Hx4V-840-Position 1
Description: LUMARK ALL SELECTABLE LUMINAIRE 100W w/ NEMA 4 FLOOD DISTRIBUTION 4000K CCT
80 CRI LIGHT ENGINE AT Position 1
Light Source: (1) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16748.6 lumens
Efficiency: N/A
Efficacy: 153.7 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): 109
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

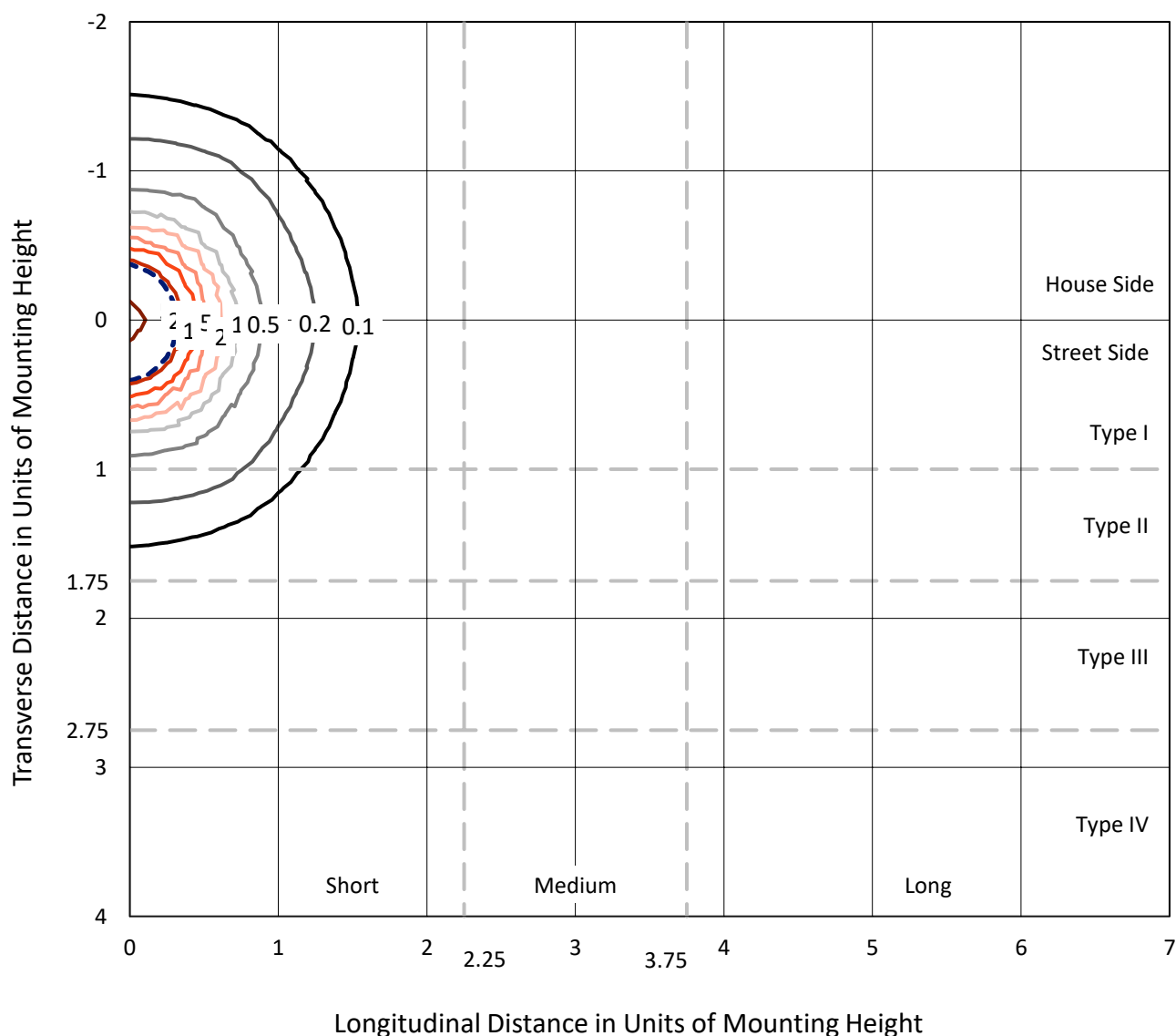
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



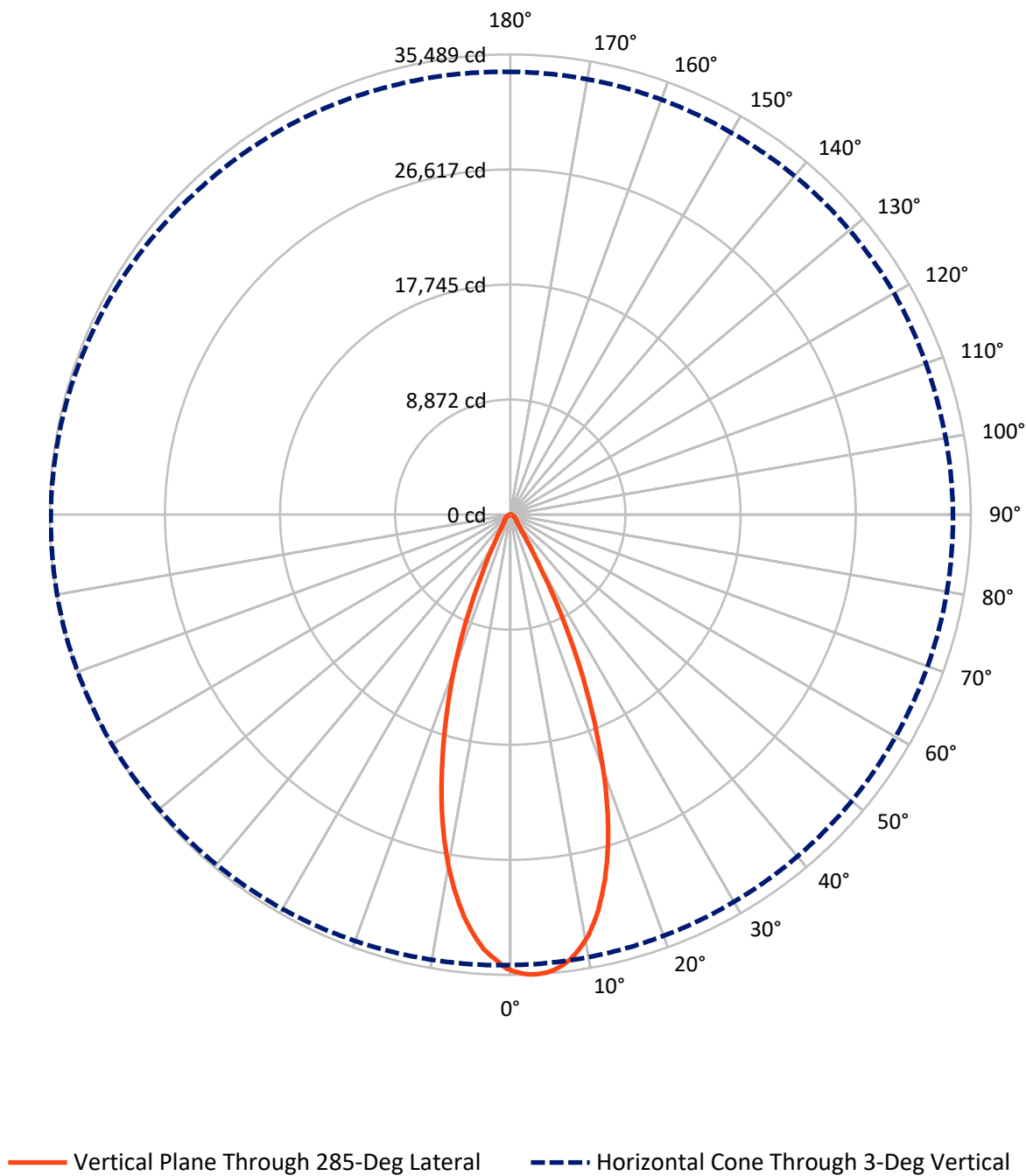
Based on 25 foot mounting height. Maximum calculated value = 56.4 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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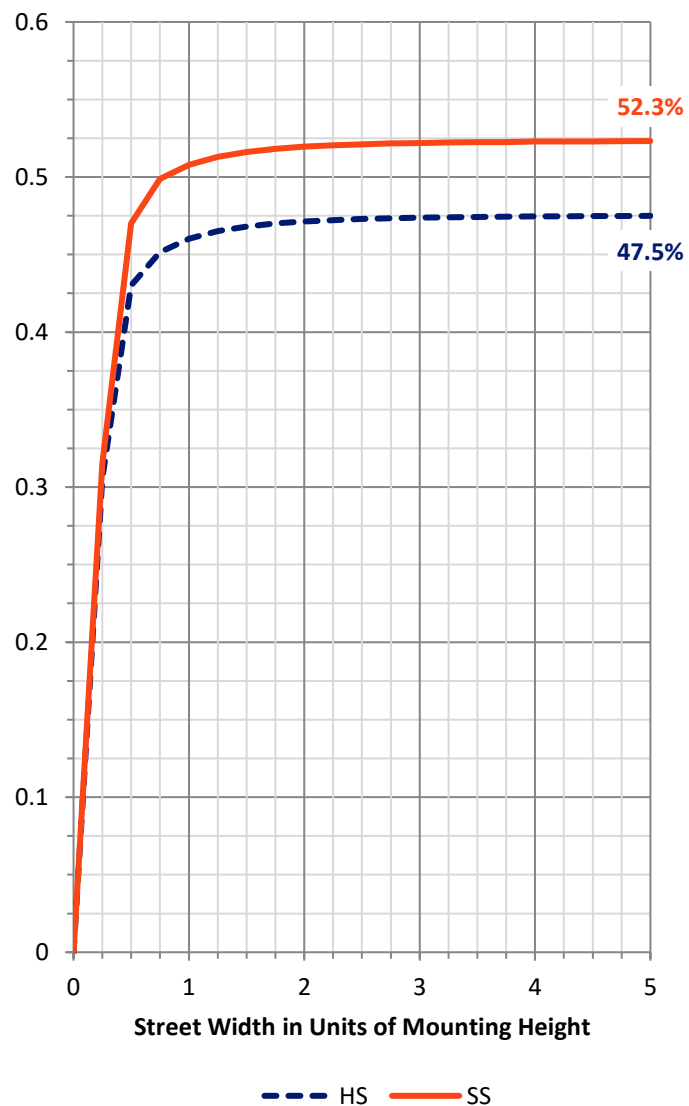
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8065.8	0.0	8065.8
	% Fixture	48.2	0.0	48.2
Street Side	Lumens	8682.8	0.0	8682.8
	% Fixture	51.8	0.0	51.8
Total	Lumens	16748.6	0.0	16748.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3119.1	18.6
10°-20°	6935.6	41.4
20°-30°	4441.8	26.5
30°-40°	989.7	5.9
40°-50°	515.2	3.1
50°-60°	374.7	2.2
60°-70°	241.3	1.4
70°-80°	115.4	0.7
80°-90°	15.9	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	16748.6	100.0
0°-180°	16748.6	100.0

Coefficient of Utilization



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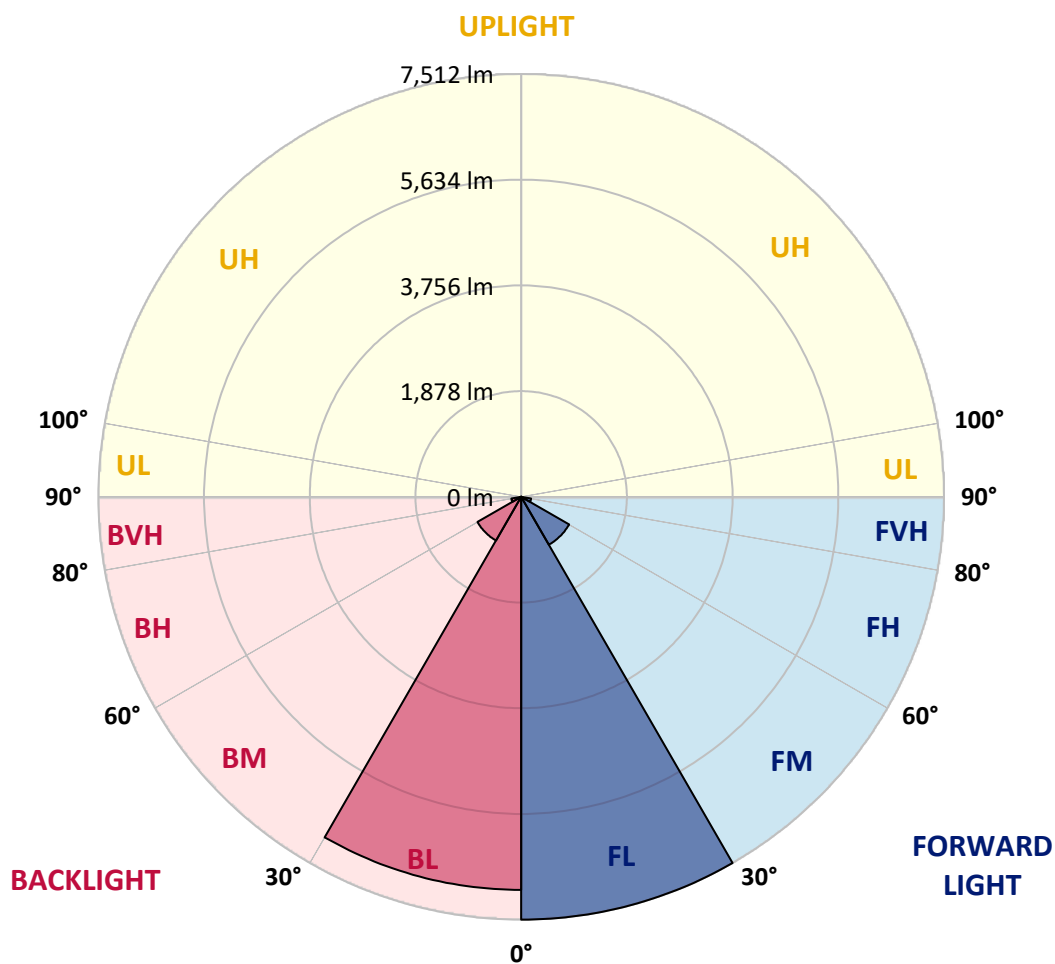
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	7512.4	44.9			
FM	(30°-60°)	983.9	5.9			
FH	(60°-80°)	179.1	1.1			G0/660
FVH	(80°-90°)	7.5	0.0			G0/10
BL	(0°-30°)	6984.1	41.7	B5		
BM	(30°-60°)	895.7	5.3	B1/1000		
BH	(60°-80°)	177.6	1.1	B1/500		G1/500
BVH	(80°-90°)	8.4	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	35226.5	35226.5	35226.5	35226.5	35226.5	35226.5	35226.5	35226.5	35226.5	35226.5	35226.5
1°	35239.3	35197.3	35129.9	35071.6	35020.5	34967.7	34995.0	34984.1	34967.7	34964.0	34964.0
2°	35071.6	34971.3	34856.5	34787.2	34701.6	34646.9	34555.8	34517.5	34563.1	34544.8	34492.0
3°	34736.2	34605.0	34471.9	34382.6	34278.7	34196.7	34114.7	34050.9	34153.0	34122.0	34019.9
4°	34286.0	34140.2	33985.3	33863.2	33757.4	33646.3	33671.8	33577.0	33527.8	33524.1	33546.0
5°	33766.6	33587.9	33420.2	33274.4	33119.5	32966.4	32993.7	32878.9	32842.5	32858.9	32913.5
6°	33214.3	33021.1	32824.2	32605.5	32397.7	32208.2	32195.4	32093.4	32087.9	32140.7	32282.9
7°	32683.9	32461.5	32188.1	31883.7	31603.1	31371.6	31324.2	31240.3	31227.6	31382.5	31626.8
8°	32184.5	31922.0	31550.2	31123.7	30739.1	30412.9	30354.5	30247.0	30299.9	30560.5	30934.1
9°	31681.4	31384.3	30892.2	30316.3	29784.0	29383.1	29268.2	29197.2	29304.7	29661.9	30199.6
10°	31191.1	30784.7	30199.6	29465.1	28781.6	28291.3	28107.2	28058.0	28253.0	28730.6	29388.5
11°	30617.0	30130.4	29426.8	28562.9	27742.7	27092.0	26875.1	26851.4	27117.5	27693.5	28482.7
12°	29887.9	29372.1	28604.8	27598.7	26656.4	25863.5	25533.6	25528.1	25905.4	26578.0	27458.3
13°	29049.5	28475.4	27629.7	26543.4	25477.1	24551.2	24141.1	24139.3	24605.9	25380.5	26333.8
14°	28083.5	27458.3	26512.4	25389.6	24246.8	23167.8	22650.2	22686.6	23226.1	24082.8	25079.8
15°	27037.3	26330.1	25278.4	24146.6	22879.8	21709.7	21126.4	21159.2	21771.6	22679.3	23703.7
16°	25916.4	25105.3	23929.7	22803.3	21430.8	20184.1	19551.6	19602.7	20237.0	21212.1	22220.0
17°	24766.3	23833.1	22560.9	21350.6	19939.9	18623.9	17993.6	18035.0	18665.8	19662.8	20701.7
18°	23638.0	22524.4	21126.4	19857.9	18401.6	17114.2	16450.8	16470.1	17068.8	18057.8	19127.0
19°	22418.7	21172.0	19642.8	18290.4	16801.4	15585.2	14920.8	14913.9	15456.7	16367.1	17470.7
20°	21119.1	19743.0	18115.6	16616.1	15267.3	14055.6	13420.4	13395.6	13890.7	14667.8	15756.7
21°	19664.7	18173.7	16467.2	15043.9	13733.5	12526.0	11909.2	11872.8	12310.2	12956.9	13934.9
22°	18008.9	16822.9	14815.3	13474.0	12166.1	11000.8	10415.9	10376.2	10748.2	11261.3	12131.6
23°	16155.1	14913.5	13163.4	11852.2	10625.9	9506.1	8950.5	8903.0	9231.0	9629.3	10376.6
24°	14298.0	12989.5	11491.3	10276.0	9124.6	8068.2	7544.2	7483.5	7759.2	8078.6	8725.8
25°	12440.9	11178.2	9860.9	8743.7	7692.3	6755.3	6287.3	6199.4	6404.5	6667.5	7217.5
26°	10561.9	9448.5	8306.9	7311.6	6380.6	5589.5	5197.3	5078.8	5215.9	5427.0	5863.1
27°	8661.6	7788.9	6868.0	6033.7	5251.8	4600.9	4444.6	4332.3	4428.5	4594.9	4742.0
28°	6915.5	6270.5	5579.2	4922.5	4283.4	3774.2	3692.0	3585.5	3641.3	3762.7	4012.8
29°	5482.7	5009.9	4529.3	4011.5	3516.8	3113.5	2940.5	2841.5	2861.6	2939.0	3283.5
30°	4295.5	3984.1	3653.9	3270.0	2893.7	2573.2	2452.6	2362.2	2368.0	2426.0	2558.1
31°	3386.9	3190.7	2965.6	2687.3	2398.8	2150.6	2064.7	1987.4	1989.8	2039.4	2127.2
32°	2690.6	2567.9	2439.3	2233.7	2014.8	1828.5	1764.6	1691.9	1698.4	1742.9	1801.0
33°	2195.9	2113.9	2031.0	1881.7	1711.0	1624.7	1532.1	1465.9	1472.1	1510.0	1554.4
34°	1822.1	1771.0	1725.0	1668.9	1522.4	1423.3	1355.8	1289.6	1292.1	1331.8	1367.8
35°	1607.4	1571.6	1545.0	1456.4	1335.4	1221.9	1215.9	1151.6	1151.0	1189.7	1225.4
36°	1395.3	1374.6	1365.7	1243.9	1148.4	1101.5	1106.7	1042.9	1040.2	1079.1	1116.7
37°	1183.2	1177.6	1186.4	1113.7	1034.6	1005.2	1018.7	955.2	948.7	987.8	1029.9
38°	1061.0	1060.2	1080.2	1011.1	943.7	926.1	945.5	882.5	875.6	914.6	961.1
39°	964.2	965.5	996.4	926.1	869.1	860.2	886.6	823.8	814.9	854.5	906.1
40°	885.2	888.9	928.5	855.2	808.1	806.0	837.1	774.5	764.8	805.5	860.1
41°	820.9	826.0	872.3	799.5	757.3	760.5	795.8	733.3	722.5	764.3	821.9
42°	765.4	773.8	824.9	752.7	714.8	722.3	761.4	697.7	686.2	729.8	787.8
43°	718.6	729.5	784.0	713.0	676.9	688.5	731.4	667.4	655.4	700.3	757.9
44°	677.3	691.6	747.1	678.3	643.3	658.4	704.5	641.0	627.0	674.8	731.7

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CATALOG NUMBER: XSF100-SFTR-4Hx4V-840-Position 1

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	641.2	657.4	714.9	647.9	613.4	631.2	680.2	616.9	601.4	650.5	705.3
46°	608.3	626.7	685.3	621.5	586.9	606.7	656.6	593.4	577.9	626.7	677.3
47°	579.7	599.0	658.3	598.4	562.7	583.7	630.8	570.6	555.5	602.1	646.2
48°	553.3	573.0	633.0	576.2	540.2	560.0	604.6	548.3	534.5	577.7	615.0
49°	527.7	547.0	606.1	554.3	518.6	537.4	579.0	526.5	514.2	552.8	583.1
50°	503.4	521.6	577.6	532.5	498.0	515.0	552.2	504.9	494.1	528.1	551.8
51°	481.2	496.0	547.5	509.3	477.9	492.0	524.9	483.3	475.1	504.1	521.5
52°	460.3	471.3	517.1	486.4	458.1	468.5	498.3	462.5	455.8	480.0	492.1
53°	441.2	448.0	487.7	463.4	438.7	446.1	473.1	441.6	436.5	456.5	463.9
54°	422.3	424.7	458.8	440.7	419.5	424.2	448.0	422.2	417.8	433.3	436.9
55°	403.8	402.6	430.9	418.3	401.1	403.6	424.8	403.2	399.7	411.3	413.7
56°	385.5	381.3	404.2	396.1	383.1	384.7	405.1	384.2	381.6	389.4	391.0
57°	368.0	361.4	379.3	374.4	365.8	366.8	385.4	365.3	363.5	367.5	368.5
58°	349.6	342.1	357.6	353.3	348.8	349.6	365.7	347.6	346.9	346.3	348.4
59°	332.5	324.2	337.4	332.6	332.5	333.3	348.2	330.8	330.7	326.3	329.1
60°	314.9	306.7	317.6	312.1	315.7	317.7	331.0	314.6	314.4	307.3	310.7
61°	298.4	290.1	298.6	293.1	299.4	303.0	314.9	299.7	298.1	290.5	293.2
62°	282.6	274.6	281.4	276.4	284.3	288.5	302.0	285.9	282.8	275.9	279.2
63°	266.8	260.1	266.1	261.3	269.2	275.1	292.6	272.7	268.2	262.1	267.1
64°	251.6	247.1	253.9	247.7	254.6	261.8	283.3	259.7	253.8	248.7	256.1
65°	236.6	234.1	243.3	234.5	240.2	248.7	271.9	246.3	239.4	235.5	243.7
66°	221.7	221.7	232.8	221.4	225.5	235.8	259.6	232.9	224.6	222.7	228.9
67°	207.2	209.5	219.3	208.1	210.7	223.3	245.9	219.8	209.5	210.3	211.9
68°	192.7	196.5	202.8	195.1	195.3	209.4	230.9	206.0	193.7	197.3	194.3
69°	177.3	183.6	186.5	181.1	178.9	194.6	214.7	191.7	176.6	183.5	182.6
70°	162.6	169.2	172.3	166.5	163.4	180.1	202.4	177.1	159.6	169.3	195.2
71°	147.8	155.4	175.9	151.9	147.9	165.0	221.9	162.1	144.8	154.6	202.9
72°	133.1	141.7	179.7	137.4	132.5	150.0	203.0	147.2	131.2	139.7	187.5
73°	120.3	128.0	183.5	122.6	118.6	134.9	171.1	132.4	117.7	124.2	155.4
74°	108.3	113.7	152.3	108.8	105.5	120.6	143.8	118.2	104.8	109.6	132.4
75°	96.2	99.2	121.9	95.1	93.0	106.8	123.8	105.3	92.8	96.3	115.5
76°	84.8	86.4	100.9	82.6	81.3	93.0	108.9	93.7	81.0	83.3	100.2
77°	73.4	74.0	85.1	70.9	70.2	79.2	96.0	81.0	70.0	70.4	86.4
78°	62.1	61.4	72.0	59.6	59.6	66.4	84.1	68.0	59.3	58.5	73.3
79°	51.2	49.5	60.1	48.7	49.6	54.6	72.0	56.1	49.4	48.6	61.8
80°	40.9	39.0	48.3	38.9	40.2	44.1	60.1	46.6	40.8	38.8	50.4
81°	31.9	29.7	36.7	30.1	31.5	34.7	49.1	37.0	32.1	28.9	40.6
82°	23.5	21.7	27.1	22.0	23.9	26.6	39.6	27.5	23.6	21.9	30.9
83°	18.7	17.4	18.5	17.2	18.3	20.3	30.1	21.2	18.6	17.1	21.1
84°	14.1	13.1	12.3	12.4	14.3	15.5	20.6	17.4	14.9	13.7	15.0
85°	9.4	8.9	6.2	7.7	10.3	10.7	12.8	12.9	10.7	9.6	8.9
86°	2.0	2.0	2.1	3.5	4.6	5.9	6.7	7.0	5.6	5.1	4.2
87°	0.5	0.5	0.5	0.8	1.3	1.9	2.7	2.3	1.8	2.0	1.7
88°	0.3	0.3	0.3	0.3	0.4	0.5	0.8	0.8	0.8	0.8	0.8
89°	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.3

REPORT NUMBER: P1440307

CATALOG NUMBER: XSF100-SFTR-4Hx4V-840-Position 1

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: P1440307

CATALOG NUMBER: XSF100-SFTR-4Hx4V-840-Position 1

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: P1440307

CATALOG NUMBER: XSF100-SFTR-4Hx4V-840-Position 1

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	35226.5	35226.5	35226.5	35226.5	35226.5	35226.5	35226.5	35226.5	35226.5	35226.5	35226.5
1°	35013.3	35038.8	35100.7	35153.6	35213.7	35263.0	35306.7	35359.6	35394.2	35406.9	35394.2
2°	34543.0	34592.2	34697.9	34925.8	35071.6	35217.4	35335.9	35437.9	35485.3	35481.7	35408.8
3°	34072.8	34145.7	34295.1	34535.7	34736.2	35051.5	35279.4	35421.5	35489.0	35447.0	35284.8
4°	33600.7	33699.1	33890.5	34143.8	34402.7	34763.5	35140.8	35337.7	35416.1	35315.8	35062.5
5°	33021.1	33135.9	33332.8	33637.1	34067.3	34475.6	34944.0	35199.2	35268.4	35069.8	34728.9
6°	32428.7	32587.3	32791.4	33104.9	33586.1	34183.9	34575.8	34960.4	35009.6	34769.0	34333.4
7°	31856.4	32056.9	32293.8	32607.3	33095.8	33699.1	34205.8	34603.2	34665.1	34368.0	33879.6
8°	31280.4	31548.4	31810.8	32122.5	32576.4	33196.1	33835.8	34162.1	34213.1	33897.8	33378.3
9°	30671.7	30997.9	31300.5	31632.2	32058.7	32620.1	33254.4	33608.0	33646.3	33329.1	32846.1
10°	29977.2	30374.6	30739.1	31121.9	31495.5	31978.5	32561.8	32919.0	33001.0	32682.1	32286.6
11°	29164.3	29618.2	30072.0	30542.3	30903.2	31256.8	31765.3	32095.2	32175.4	31942.1	31690.5
12°	28231.1	28726.9	29251.8	29844.2	30228.8	30449.3	30848.5	31136.5	31258.6	31129.2	31065.4
13°	27161.2	27677.1	28293.1	29027.6	29468.7	29556.2	29827.8	30068.4	30225.1	30205.1	30330.8
14°	25969.2	26512.4	27197.7	28083.5	28573.8	28584.7	28737.8	28901.9	29091.4	29195.3	29525.2
15°	24686.1	25342.2	26034.8	26988.1	27547.6	27518.5	27544.0	27615.1	27841.1	28120.0	28599.3
16°	23350.1	24137.5	24844.6	25759.6	26350.2	26297.3	26255.4	26217.1	26503.3	26940.7	27554.9
17°	22006.8	22956.4	23650.8	24456.4	25028.7	24999.6	24859.2	24711.6	25072.5	25664.8	26337.4
18°	20566.9	21709.7	22438.7	23058.4	23532.3	23548.7	23344.6	23087.6	23477.7	24243.2	24944.9
19°	18997.6	20337.2	21106.4	21600.3	21921.1	21988.5	21660.5	21376.1	21820.9	22719.4	23430.3
20°	17310.3	18760.6	19626.4	19996.4	20169.5	20284.4	19958.1	19595.4	20056.5	21040.8	21731.5
21°	15470.2	17017.6	17901.2	18250.3	18328.6	18503.6	18121.0	17801.2	18274.0	19265.5	19954.5
22°	13576.1	15089.1	16023.7	16336.8	16418.3	16649.4	16321.2	15997.1	16477.6	17443.9	18099.4
23°	11668.1	13098.3	14012.6	14333.4	14450.2	14748.0	14456.6	14192.9	14680.6	15580.3	16166.2
24°	9831.6	11081.0	11974.9	12318.8	12490.7	12874.0	12635.4	12388.8	12883.5	13715.7	14232.4
25°	8087.7	9124.6	9958.8	10365.3	10606.0	11003.4	10836.6	10600.6	11113.7	11851.1	12298.6
26°	6526.6	7331.8	8087.1	8545.2	8839.5	9207.7	9051.1	8871.6	9370.1	10078.9	10455.5
27°	5205.9	5785.3	6438.9	6953.4	7229.8	7518.8	7396.3	7231.0	7694.9	8347.2	8717.2
28°	4351.0	4807.1	5046.0	5527.9	5816.5	5994.0	5889.7	5780.9	6172.6	6751.3	7109.6
29°	3496.2	3828.9	4206.7	4626.3	4632.6	4729.2	4646.0	4571.6	4873.6	5354.2	5697.4
30°	2648.3	2853.7	3367.2	3724.4	3806.4	3848.7	3796.8	3623.3	3824.8	4189.7	4479.9
31°	2169.1	2317.5	2541.1	2833.0	2981.3	2972.9	2948.1	2906.6	3039.8	3293.5	3536.7
32°	1809.1	1914.9	2080.2	2312.0	2421.0	2401.0	2383.3	2369.6	2454.9	2620.6	2805.1
33°	1544.4	1616.7	1745.7	1928.6	2005.3	1969.7	1966.5	1972.8	2025.7	2127.4	2263.6
34°	1345.8	1393.9	1490.1	1644.0	1688.0	1654.1	1658.9	1668.3	1706.9	1767.3	1862.6
35°	1190.4	1222.0	1299.6	1430.1	1450.7	1415.8	1428.0	1477.6	1519.3	1562.4	1639.2
36°	1073.0	1090.9	1154.7	1271.8	1269.3	1237.8	1253.5	1288.6	1333.5	1359.6	1417.7
37°	977.3	988.6	1039.7	1148.9	1131.2	1102.4	1120.5	1160.1	1147.7	1156.9	1196.3
38°	901.0	906.4	949.8	1055.5	1023.5	994.9	1013.6	1062.6	1040.8	1041.2	1071.8
39°	838.6	840.4	878.4	981.8	938.0	912.0	928.5	982.1	953.7	947.4	974.4
40°	787.9	785.1	820.2	922.2	869.0	841.9	858.5	916.4	882.1	870.7	895.4
41°	745.4	738.7	771.7	872.8	812.4	785.1	800.9	862.0	823.4	806.5	832.2
42°	709.3	698.4	731.6	830.0	766.6	736.1	751.6	817.2	772.6	752.0	779.1
43°	678.4	664.3	697.3	792.5	727.9	695.1	709.6	779.5	729.3	706.0	735.0
44°	651.0	633.7	667.5	759.5	694.0	659.0	673.7	746.4	692.2	666.1	697.4

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CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	626.0	606.8	641.9	730.0	664.4	626.5	641.8	718.2	660.2	631.9	665.1
46°	602.0	581.7	618.5	702.5	638.3	597.5	614.2	692.3	631.3	600.4	636.2
47°	577.4	557.6	595.1	675.8	614.1	571.1	589.2	668.4	605.6	572.4	610.6
48°	552.4	535.5	571.6	647.0	590.9	546.9	567.4	646.1	582.4	547.6	587.3
49°	527.9	514.2	548.0	615.4	566.9	525.0	547.8	623.7	561.8	525.8	566.1
50°	503.4	493.5	524.4	583.7	542.1	503.9	527.2	599.4	542.5	504.7	545.9
51°	479.4	474.0	501.4	551.2	517.3	483.1	506.7	572.1	521.1	484.9	525.0
52°	455.7	453.9	478.4	520.0	492.6	462.8	484.9	544.4	498.6	465.1	503.3
53°	432.7	435.1	454.6	489.8	467.7	443.5	463.9	515.1	476.5	446.2	481.2
54°	411.5	417.3	432.0	460.0	442.7	424.2	442.7	485.8	454.3	427.7	458.0
55°	391.0	399.1	410.1	431.2	418.1	405.3	422.3	456.5	431.1	408.8	434.4
56°	370.5	380.8	388.1	406.7	396.1	386.5	401.7	429.0	409.0	390.1	409.8
57°	352.6	362.6	366.2	382.3	374.1	367.7	381.2	403.1	386.9	371.8	386.5
58°	334.7	346.0	345.7	357.9	352.2	350.0	360.6	380.9	366.9	353.8	364.5
59°	316.8	329.5	324.6	337.2	332.8	332.9	341.7	360.5	347.6	336.3	343.3
60°	299.8	313.4	304.5	316.9	313.2	316.0	323.0	342.0	328.7	319.3	322.2
61°	284.7	297.5	286.9	297.7	295.2	300.1	305.5	323.7	310.4	302.7	301.4
62°	271.5	282.0	272.0	281.8	278.6	284.6	289.4	306.8	293.4	286.8	282.2
63°	259.0	266.8	259.1	268.1	263.8	269.6	275.6	292.9	278.4	271.1	265.4
64°	246.7	252.0	246.8	257.7	250.1	254.9	263.1	283.2	264.9	256.4	251.0
65°	234.6	236.5	234.7	247.2	237.5	240.8	251.2	276.7	251.9	242.4	238.2
66°	221.7	221.7	222.5	235.5	224.9	226.5	239.1	268.9	239.5	228.2	225.6
67°	208.7	207.4	210.2	221.3	212.4	212.2	226.2	258.6	226.6	214.3	213.3
68°	195.2	192.1	197.1	204.5	200.3	197.7	213.3	246.5	214.4	199.9	201.1
69°	181.5	175.7	183.3	188.6	187.5	182.4	200.4	232.3	201.6	185.3	188.4
70°	167.6	159.9	169.6	180.1	173.7	166.4	186.7	216.8	188.2	168.9	175.1
71°	153.4	146.0	155.7	183.1	159.7	151.4	172.5	201.0	174.8	154.7	160.8
72°	139.0	133.0	141.7	191.5	145.3	137.7	157.8	199.6	160.0	140.6	146.5
73°	124.7	120.8	127.6	170.0	130.7	124.2	142.7	193.2	145.2	126.7	132.2
74°	110.6	108.7	113.3	138.5	116.1	111.1	127.9	164.4	130.5	113.4	117.9
75°	97.4	96.6	99.5	117.0	102.2	98.7	113.9	140.1	115.4	100.6	103.6
76°	84.7	85.0	87.0	99.8	88.7	86.9	100.2	115.9	101.8	88.5	90.2
77°	72.6	73.8	74.7	86.1	75.8	75.5	88.2	99.5	89.7	77.0	77.9
78°	61.1	63.0	62.8	73.7	63.3	64.7	75.9	85.8	76.2	65.9	65.9
79°	50.5	52.9	51.7	62.4	51.9	54.5	63.5	73.1	63.0	55.4	54.2
80°	41.8	44.2	42.9	51.5	42.8	45.4	51.9	61.3	51.2	45.5	43.9
81°	33.2	35.4	34.0	41.9	33.6	36.3	42.8	50.2	40.5	36.3	34.7
82°	24.6	26.8	25.3	32.2	24.5	27.2	33.7	40.0	31.4	27.9	26.0
83°	21.4	23.1	21.5	22.6	19.2	21.0	24.7	30.9	23.5	20.9	18.4
84°	20.5	22.6	21.0	17.0	17.7	18.3	20.5	22.4	19.7	16.6	14.4
85°	16.3	17.9	17.0	10.6	14.6	15.4	17.2	16.1	14.4	12.3	10.4
86°	8.5	9.1	9.8	5.3	9.0	10.2	11.2	9.9	9.2	8.1	6.0
87°	2.4	2.4	2.9	2.2	3.6	3.2	4.0	3.6	3.9	2.9	1.8
88°	1.0	1.0	1.1	1.0	1.1	1.2	1.7	1.2	1.2	0.8	0.4
89°	0.3	0.4	0.4	0.4	0.5	0.5	0.4	0.3	0.3	0.2	0.1

REPORT NUMBER: P1440307

CATALOG NUMBER: XSF100-SFTR-4Hx4V-840-Position 1

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: P1440307

CATALOG NUMBER: XSF100-SFTR-4Hx4V-840-Position 1

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: P1440307
CATALOG NUMBER: XSF100-SFTR-4Hx4V-840-Position 1

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: P1440307

CATALOG NUMBER: XSF100-SFTR-4Hx4V-840-Position 1

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	35226.5	35226.5	35226.5
1°	35352.3	35299.4	35239.3
2°	35306.7	35188.2	35071.6
3°	35109.9	34914.8	34736.2
4°	34774.5	34499.3	34286.0
5°	34358.9	34027.2	33766.6
6°	33868.6	33482.2	33214.3
7°	33363.7	32962.8	32683.9
8°	32873.5	32470.6	32184.5
9°	32366.8	32000.4	31681.4
10°	31885.6	31524.7	31191.1
11°	31386.2	31008.9	30617.0
12°	30843.0	30389.2	29887.9
13°	30179.6	29630.9	29049.5
14°	29386.7	28736.0	28083.5
15°	28473.6	27750.0	27037.3
16°	27420.1	26687.4	25916.4
17°	26257.2	25546.4	24766.3
18°	24988.6	24368.9	23638.0
19°	23618.0	23178.7	22418.7
20°	22077.9	21901.1	21119.1
21°	20483.0	20494.0	19664.7
22°	18727.8	18899.1	18008.9
23°	16908.8	17127.5	16155.1
24°	14947.8	15164.3	14298.0
25°	12985.9	13200.2	12440.9
26°	11024.2	11236.0	10561.9
27°	9162.7	9283.0	8661.6
28°	7426.6	7412.4	6915.5
29°	5912.3	5820.1	5482.7
30°	4627.0	4524.9	4295.5
31°	3629.3	3526.7	3386.9
32°	2874.9	2791.8	2690.6
33°	2312.0	2251.9	2195.9
34°	1908.7	1859.8	1822.1
35°	1687.3	1639.4	1607.4
36°	1468.9	1421.3	1395.3
37°	1250.6	1203.1	1183.2
38°	1130.1	1080.4	1061.0
39°	1040.8	982.9	964.2
40°	967.8	903.6	885.2
41°	911.4	839.9	820.9
42°	863.7	786.0	765.4
43°	823.5	740.3	718.6
44°	787.1	700.5	677.3

REPORT NUMBER: P1440307

CATALOG NUMBER: XSF100-SFTR-4Hx4V-840-Position 1

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	753.9	665.4	641.2
46°	722.6	633.9	608.3
47°	693.9	605.6	579.7
48°	666.9	581.3	553.3
49°	640.5	558.2	527.7
50°	613.8	536.1	503.4
51°	586.0	514.5	481.2
52°	555.1	492.1	460.3
53°	523.3	470.5	441.2
54°	490.6	448.6	422.3
55°	459.1	426.5	403.8
56°	427.4	404.3	385.5
57°	398.9	381.7	368.0
58°	372.6	359.2	349.6
59°	348.9	336.6	332.5
60°	328.6	315.4	314.9
61°	308.8	295.4	298.4
62°	289.7	277.0	282.6
63°	272.6	261.1	266.8
64°	258.7	247.5	251.6
65°	246.5	234.9	236.6
66°	236.8	222.9	221.7
67°	226.2	210.9	207.2
68°	210.9	198.0	192.7
69°	193.8	185.3	177.3
70°	178.3	171.6	162.6
71°	177.2	157.7	147.8
72°	176.3	143.9	133.1
73°	175.5	130.0	120.3
74°	159.6	116.6	108.3
75°	130.4	103.3	96.2
76°	107.3	89.3	84.8
77°	90.3	76.7	73.4
78°	76.3	64.7	62.1
79°	63.8	52.5	51.2
80°	51.7	41.6	40.9
81°	39.9	31.8	31.9
82°	29.7	23.3	23.5
83°	21.0	19.0	18.7
84°	15.0	14.7	14.1
85°	9.1	10.5	9.4
86°	3.2	3.0	2.0
87°	0.7	0.6	0.5
88°	0.3	0.3	0.3
89°	0.1	0.1	0.1

REPORT NUMBER: P1440307

CATALOG NUMBER: XSF100-SFTR-4Hx4V-840-Position 1

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: P1440307

CATALOG NUMBER: XSF100-SFTR-4Hx4V-840-Position 1

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: P1440307

CATALOG NUMBER: XSF100-SFTR-4Hx4V-840-Position 1

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)