

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: P1440303

Luminaire Tested: XSF100-SFTR-4Hx4V-830-Position 1

Issue Date: 04/15/2026

Test Information

Test Method: LM-79-2024
Report Number: P1440303
Test Lab: THIRD PARTY NVLAP
Issue Date: 7/15/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XSF100-SFTR-4Hx4V-830-Position 1
Description: LUMARK ALL SELECTABLE LUMINAIRE 100W w/ NEMA 4 FLOOD DISTRIBUTION 3000K CCT
80 CRI LIGHT ENGINE AT Position 1
Light Source: (1) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16420.2 lumens
Efficiency: N/A
Efficacy: 150.6 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

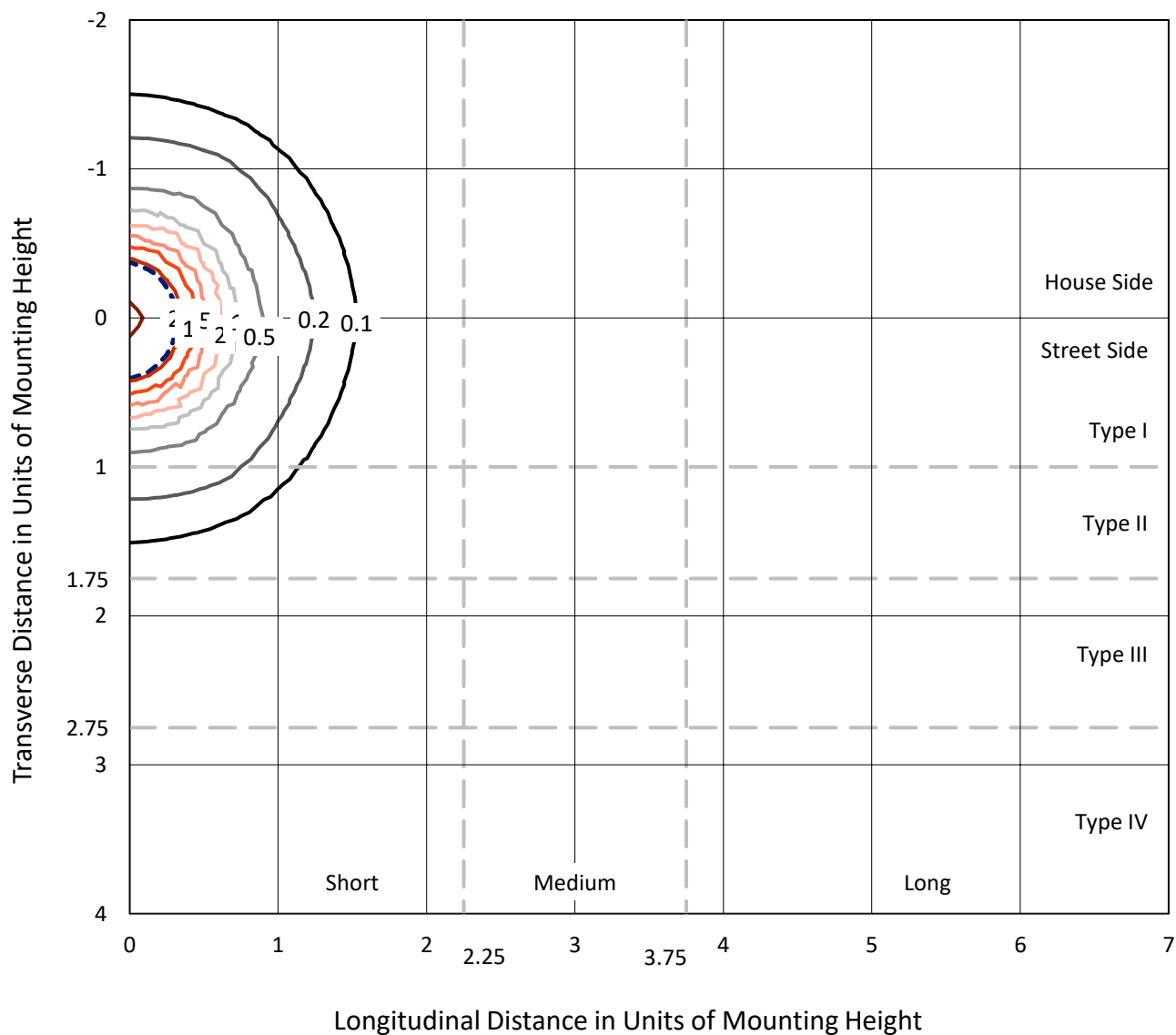
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



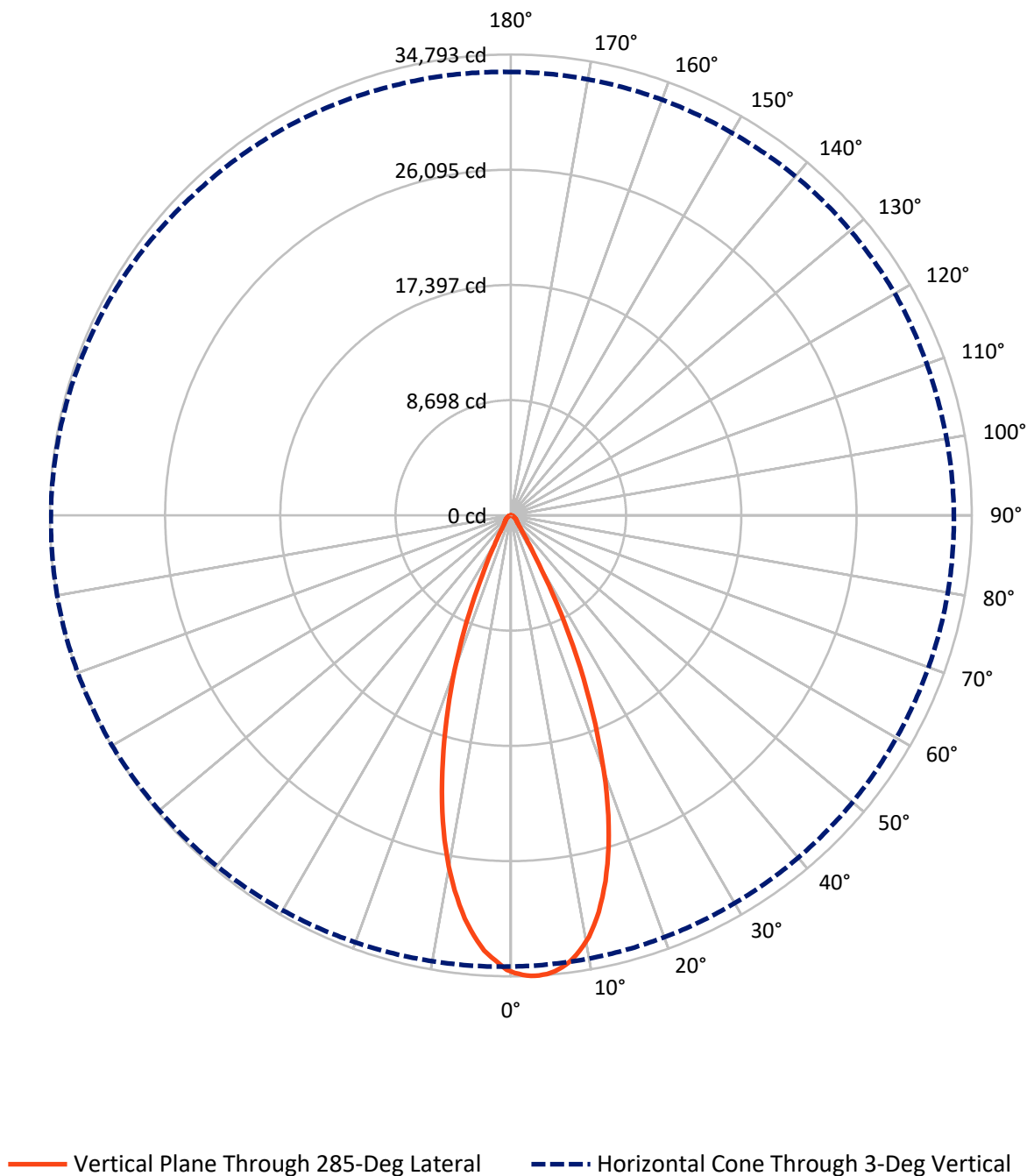
Based on 25 foot mounting height. Maximum calculated value = 55.3 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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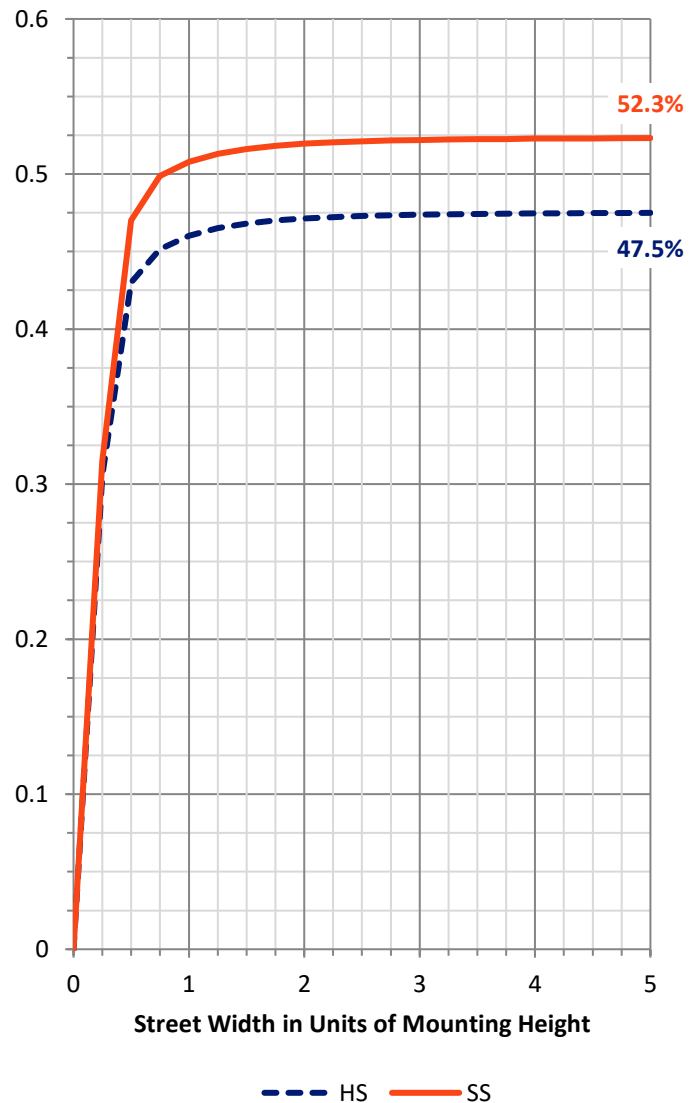
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7907.6	0.0	7907.6
	% Fixture	48.2	0.0	48.2
Street Side	Lumens	8512.6	0.0	8512.6
	% Fixture	51.8	0.0	51.8
Total	Lumens	16420.2	0.0	16420.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3058.0	18.6
10°-20°	6799.6	41.4
20°-30°	4354.7	26.5
30°-40°	970.3	5.9
40°-50°	505.1	3.1
50°-60°	367.3	2.2
60°-70°	236.6	1.4
70°-80°	113.1	0.7
80°-90°	15.6	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°	16420.2	100.0
0°-180°	16420.2	100.0

Coefficient of Utilization



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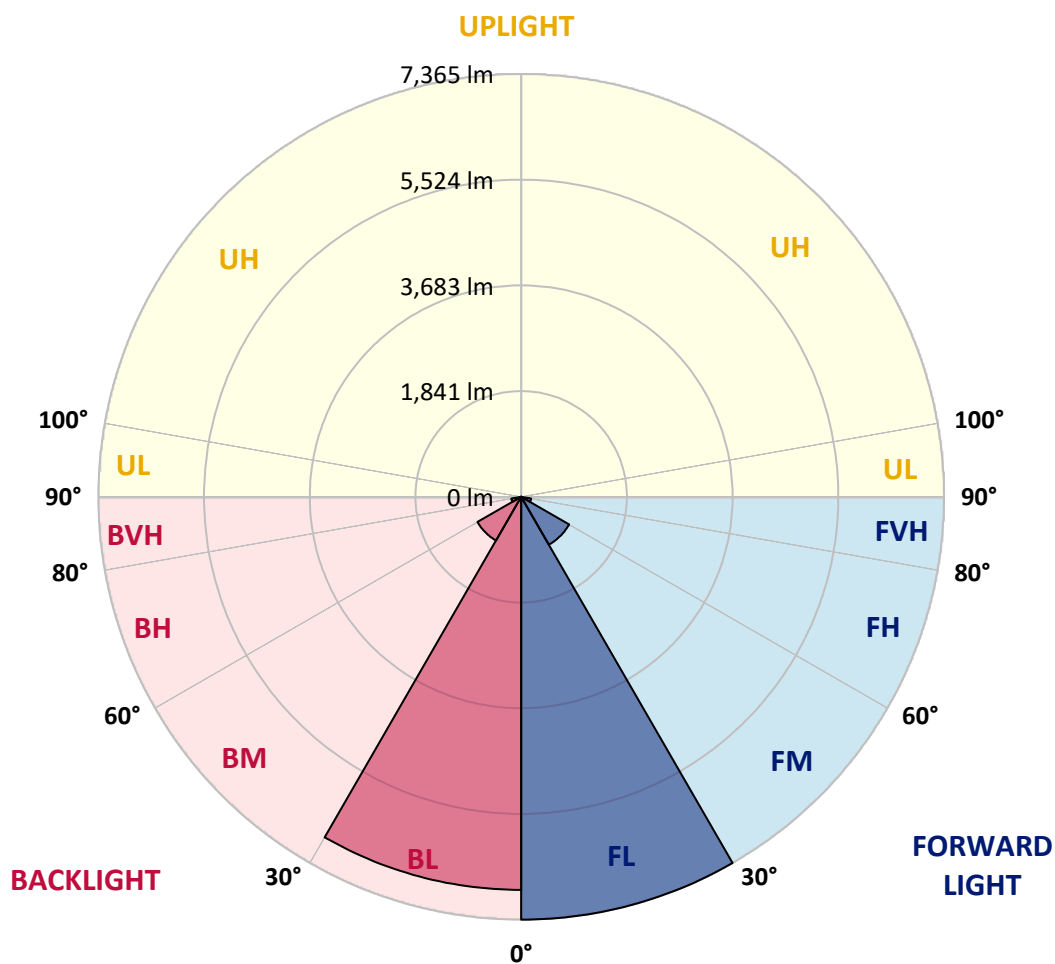
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	7365.1	44.9			
FM	(30°-60°)	964.6	5.9			
FH	(60°-80°)	175.6	1.1			G0/660
FVH	(80°-90°)	7.4	0.0			G0/10
BL	(0°-30°)	6847.2	41.7	B5		
BM	(30°-60°)	878.1	5.3	B1/1000		
BH	(60°-80°)	174.1	1.1	B1/500		G1/500
BVH	(80°-90°)	8.2	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°	34535.8	34535.8	34535.8	34535.8	34535.8	34535.8	34535.8	34535.8	34535.8	34535.8	34535.8
1°	34548.3	34507.2	34441.1	34383.9	34333.9	34282.0	34308.8	34298.1	34282.0	34278.5	34278.5
2°	34383.9	34285.6	34173.0	34105.1	34021.2	33967.5	33878.2	33840.7	33885.3	33867.5	33815.7
3°	34055.1	33926.4	33796.0	33708.4	33606.6	33526.2	33445.8	33383.2	33483.3	33452.9	33352.8
4°	33613.7	33470.8	33318.9	33199.2	33095.5	32986.5	33011.5	32918.6	32870.4	32866.8	32888.2
5°	33104.5	32929.3	32764.9	32622.0	32470.1	32320.0	32346.8	32234.2	32198.5	32214.6	32268.2
6°	32563.0	32373.6	32180.6	31966.2	31762.5	31576.6	31564.1	31464.1	31458.7	31510.5	31649.9
7°	32043.0	31825.0	31557.0	31258.6	30983.4	30756.5	30710.0	30627.8	30615.3	30767.2	31006.6
8°	31553.4	31296.1	30931.6	30513.4	30136.4	29816.5	29759.4	29653.9	29705.7	29961.3	30327.6
9°	31060.2	30769.0	30286.5	29721.8	29200.0	28806.9	28694.3	28624.7	28730.1	29080.3	29607.5
10°	30579.5	30181.1	29607.5	28887.3	28217.2	27736.6	27556.1	27507.8	27699.0	28167.2	28812.3
11°	30016.7	29539.6	28849.8	28002.8	27198.7	26560.8	26348.1	26324.9	26585.8	27150.4	27924.2
12°	29301.9	28796.2	28043.9	27057.5	26133.7	25356.4	25033.0	25027.6	25397.5	26056.9	26919.9
13°	28479.9	27917.0	27087.9	26022.9	24977.6	24069.8	23667.7	23666.0	24123.4	24882.8	25817.4
14°	27532.9	26919.9	25992.5	24891.8	23771.4	22713.5	22206.0	22241.8	22770.7	23610.6	24588.0
15°	26507.2	25813.8	24782.8	23673.1	22431.2	21284.0	20712.2	20744.3	21344.7	22234.6	23238.9
16°	25408.2	24613.0	23460.5	22356.1	21010.6	19788.3	19168.3	19218.3	19840.2	20796.2	21784.3
17°	24280.7	23365.8	22118.5	20932.0	19548.9	18258.7	17640.8	17681.4	18299.8	19277.3	20295.8
18°	23174.6	22082.7	20712.2	19468.5	18040.7	16778.6	16128.2	16147.1	16734.1	17703.7	18751.9
19°	21979.1	20756.9	19257.6	17931.7	16472.0	15279.6	14628.3	14621.5	15153.6	16046.2	17128.2
20°	20705.0	19355.9	17760.4	16290.3	14967.9	13780.0	13157.3	13133.0	13618.3	14380.2	15447.7
21°	19279.1	17817.4	16144.3	14748.9	13464.3	12280.4	11675.7	11640.0	12068.9	12702.9	13661.7
22°	17655.8	16493.1	14524.8	13209.8	11927.5	10785.1	10211.7	10172.8	10537.5	11040.5	11893.7
23°	15838.4	14621.1	12905.3	11619.8	10417.6	9319.7	8775.0	8728.4	9050.0	9440.5	10173.1
24°	14017.7	12734.8	11266.0	10074.5	8945.7	7910.0	7396.2	7336.7	7607.1	7920.2	8554.7
25°	12197.0	10959.0	9667.6	8572.2	7541.5	6622.9	6164.0	6077.8	6278.9	6536.7	7076.0
26°	10354.8	9263.2	8144.1	7168.2	6255.5	5479.9	5095.4	4979.3	5113.6	5320.6	5748.2
27°	8491.8	7636.2	6733.3	5915.4	5148.8	4510.7	4357.4	4247.3	4341.7	4504.8	4649.0
28°	6779.9	6147.5	5469.8	4825.9	4199.4	3700.2	3619.6	3515.2	3569.9	3688.9	3934.1
29°	5375.2	4911.7	4440.5	3932.8	3447.9	3052.4	2882.8	2785.8	2805.5	2881.4	3219.1
30°	4211.2	3906.0	3582.2	3205.9	2836.9	2522.8	2404.5	2315.8	2321.6	2378.4	2507.9
31°	3320.5	3128.2	2907.5	2634.6	2351.8	2108.4	2024.2	1948.5	1950.8	1999.4	2085.5
32°	2637.9	2517.6	2391.4	2189.9	1975.3	1792.6	1730.0	1658.7	1665.1	1708.7	1765.7
33°	2152.9	2072.5	1991.2	1844.8	1677.5	1592.9	1502.1	1437.2	1443.2	1480.4	1523.9
34°	1786.4	1736.3	1691.1	1636.2	1492.6	1395.4	1329.2	1264.3	1266.8	1305.7	1341.0
35°	1575.9	1540.8	1514.7	1427.8	1309.2	1198.0	1192.1	1129.0	1128.4	1166.4	1201.4
36°	1367.9	1347.7	1338.9	1219.5	1125.8	1079.9	1085.0	1022.5	1019.8	1058.0	1094.8
37°	1160.0	1154.5	1163.1	1091.8	1014.4	985.5	998.7	936.5	930.1	968.4	1009.7
38°	1040.1	1039.4	1059.0	991.3	925.2	908.0	927.0	865.2	858.5	896.6	942.3
39°	945.3	946.6	976.9	907.9	852.0	843.3	869.2	807.6	798.9	837.8	888.4
40°	867.8	871.4	910.3	838.4	792.3	790.2	820.7	759.4	749.8	789.7	843.3
41°	804.8	809.8	855.2	783.8	742.5	745.6	780.2	718.9	708.4	749.4	805.8
42°	750.4	758.6	808.7	737.9	700.8	708.2	746.5	684.0	672.8	715.4	772.4
43°	704.5	715.2	768.6	699.0	663.6	675.0	717.1	654.4	642.6	686.6	743.1
44°	664.0	678.0	732.5	665.0	630.7	645.5	690.7	628.4	614.7	661.6	717.4

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CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	628.6	644.5	700.8	635.2	601.3	618.8	666.8	604.8	589.6	637.8	691.4
46°	596.4	614.4	671.9	609.3	575.4	594.8	643.7	581.7	566.6	614.5	664.0
47°	568.4	587.2	645.4	586.6	551.6	572.3	618.4	559.4	544.6	590.3	633.5
48°	542.5	561.8	620.5	564.9	529.6	549.0	592.7	537.5	524.0	566.3	602.9
49°	517.3	536.3	594.2	543.5	508.4	526.9	567.6	516.2	504.2	541.9	571.7
50°	493.5	511.3	566.3	522.0	488.3	504.9	541.4	495.0	484.5	517.8	540.9
51°	471.7	486.3	536.7	499.3	468.5	482.3	514.7	473.8	465.8	494.3	511.3
52°	451.3	462.0	507.0	476.9	449.1	459.3	488.5	453.4	446.8	470.6	482.5
53°	432.5	439.3	478.1	454.3	430.1	437.3	463.8	433.0	428.0	447.6	454.8
54°	414.0	416.4	449.8	432.0	411.3	415.9	439.2	413.9	409.6	424.8	428.3
55°	395.9	394.7	422.4	410.1	393.2	395.7	416.5	395.3	391.9	403.3	405.5
56°	378.0	373.8	396.2	388.3	375.6	377.2	397.2	376.7	374.1	381.8	383.3
57°	360.8	354.3	371.8	367.1	358.6	359.6	377.9	358.1	356.3	360.3	361.3
58°	342.7	335.4	350.6	346.4	341.9	342.7	358.6	340.8	340.1	339.5	341.6
59°	326.0	317.9	330.8	326.0	326.0	326.8	341.4	324.4	324.2	319.9	322.6
60°	308.7	300.6	311.3	306.0	309.5	311.5	324.5	308.5	308.2	301.3	304.6
61°	292.6	284.4	292.7	287.3	293.5	297.1	308.7	293.8	292.2	284.8	287.4
62°	277.1	269.2	275.9	271.0	278.7	282.9	296.0	280.3	277.2	270.5	273.7
63°	261.5	255.0	260.9	256.2	263.9	269.8	286.9	267.3	263.0	256.9	261.9
64°	246.6	242.3	248.9	242.8	249.7	256.7	277.8	254.6	248.8	243.8	251.1
65°	232.0	229.5	238.5	229.9	235.5	243.8	266.6	241.4	234.7	230.9	238.9
66°	217.3	217.4	228.2	217.0	221.1	231.2	254.5	228.4	220.2	218.3	224.4
67°	203.2	205.4	215.0	204.0	206.6	218.9	241.1	215.5	205.4	206.1	207.8
68°	188.9	192.6	198.8	191.2	191.5	205.2	226.4	201.9	189.9	193.5	190.4
69°	173.8	180.0	182.9	177.5	175.4	190.8	210.5	187.9	173.2	179.9	179.0
70°	159.4	165.9	169.0	163.2	160.2	176.6	198.4	173.6	156.5	165.9	191.3
71°	144.9	152.4	172.4	149.0	145.0	161.8	217.5	158.9	142.0	151.5	198.9
72°	130.5	138.9	176.2	134.7	129.9	147.0	199.0	144.3	128.6	136.9	183.8
73°	118.0	125.4	179.9	120.2	116.3	132.3	167.7	129.8	115.4	121.8	152.3
74°	106.1	111.4	149.3	106.7	103.5	118.3	141.0	115.9	102.8	107.4	129.8
75°	94.3	97.3	119.5	93.3	91.2	104.7	121.4	103.3	91.0	94.4	113.2
76°	83.1	84.7	98.9	81.0	79.7	91.2	106.7	91.8	79.4	81.6	98.2
77°	71.9	72.5	83.4	69.5	68.9	77.7	94.1	79.5	68.7	69.0	84.7
78°	60.9	60.2	70.6	58.5	58.4	65.1	82.5	66.7	58.2	57.4	71.8
79°	50.2	48.5	58.9	47.8	48.6	53.5	70.6	55.0	48.4	47.7	60.6
80°	40.1	38.2	47.4	38.1	39.4	43.2	59.0	45.7	40.0	38.0	49.4
81°	31.3	29.1	36.0	29.5	30.9	34.0	48.1	36.3	31.5	28.3	39.8
82°	23.0	21.3	26.5	21.6	23.4	26.0	38.8	26.9	23.1	21.4	30.2
83°	18.3	17.0	18.2	16.8	17.9	19.9	29.5	20.8	18.3	16.8	20.7
84°	13.8	12.9	12.1	12.2	14.0	15.2	20.2	17.0	14.6	13.5	14.7
85°	9.2	8.7	6.0	7.5	10.1	10.5	12.6	12.6	10.5	9.4	8.7
86°	1.9	2.0	2.0	3.4	4.5	5.8	6.6	6.9	5.5	5.0	4.1
87°	0.5	0.5	0.5	0.7	1.3	1.9	2.6	2.2	1.8	2.0	1.7
88°	0.3	0.2	0.2	0.3	0.3	0.5	0.7	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



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CATALOG NUMBER: XSF100-SFTR-4Hx4V-830-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: P1440303

CATALOG NUMBER: XSF100-SFTR-4Hx4V-830-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: P1440303

CATALOG NUMBER: XSF100-SFTR-4Hx4V-830-Position 1

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	34535.8	34535.8	34535.8	34535.8	34535.8	34535.8	34535.8	34535.8	34535.8	34535.8	34535.8
1°	34326.7	34351.7	34412.5	34464.3	34523.3	34571.5	34614.4	34666.2	34700.2	34712.7	34700.2
2°	33865.7	33913.9	34017.6	34240.9	34383.9	34526.9	34643.0	34743.1	34789.5	34786.0	34714.5
3°	33404.7	33476.1	33622.7	33858.5	34055.1	34364.2	34587.6	34727.0	34793.1	34752.0	34593.0
4°	32941.9	33038.3	33226.0	33474.4	33728.1	34081.9	34451.8	34644.8	34721.6	34623.3	34375.0
5°	32373.6	32486.2	32679.2	32977.6	33399.3	33799.6	34258.8	34509.0	34576.9	34382.1	34048.0
6°	31792.9	31948.3	32148.5	32455.8	32927.6	33513.7	33897.9	34274.9	34323.1	34087.3	33660.2
7°	31231.8	31428.3	31660.6	31968.0	32446.9	33038.3	33535.1	33924.7	33985.4	33694.1	33215.3
8°	30667.1	30929.8	31187.1	31492.7	31937.6	32545.2	33172.4	33492.2	33542.3	33233.1	32723.9
9°	30070.3	30390.1	30686.8	31012.0	31430.1	31980.5	32602.3	32949.0	32986.5	32675.6	32202.1
10°	29389.5	29779.0	30136.4	30511.6	30878.0	31351.5	31923.3	32273.5	32354.0	32041.2	31653.5
11°	28592.5	29037.4	29482.4	29943.4	30297.2	30643.9	31142.4	31465.9	31544.5	31315.8	31069.2
12°	27677.6	28163.6	28678.3	29259.0	29636.1	29852.3	30243.6	30525.9	30645.7	30518.8	30456.2
13°	26628.7	27134.4	27738.3	28458.5	28890.9	28976.7	29242.9	29478.8	29632.5	29612.8	29736.1
14°	25460.0	25992.5	26664.4	27532.9	28013.5	28024.3	28174.4	28335.2	28521.0	28622.9	28946.3
15°	24202.0	24845.3	25524.4	26458.9	27007.5	26978.9	27003.9	27073.6	27295.2	27568.6	28038.5
16°	22892.2	23664.2	24357.5	25254.5	25833.5	25781.7	25740.6	25703.0	25983.6	26412.5	27014.6
17°	21575.3	22506.2	23187.1	23976.9	24538.0	24509.4	24371.8	24227.0	24580.9	25161.6	25821.0
18°	20163.6	21284.0	21998.8	22606.3	23070.9	23087.0	22886.9	22634.9	23017.3	23767.8	24455.8
19°	18625.1	19938.4	20692.5	21176.8	21491.3	21557.4	21235.7	20957.0	21393.0	22273.9	22970.8
20°	16970.9	18392.8	19241.5	19604.3	19774.0	19886.6	19566.8	19211.2	19663.3	20628.2	21305.4
21°	15166.8	16683.9	17550.2	17892.4	17969.3	18140.8	17765.7	17452.1	17915.7	18887.7	19563.2
22°	13309.9	14793.2	15709.5	16016.5	16096.4	16323.0	16001.1	15683.4	16154.5	17101.9	17744.5
23°	11439.3	12841.5	13737.8	14052.3	14166.9	14458.9	14173.1	13914.6	14392.7	15274.8	15849.3
24°	9638.8	10863.8	11740.1	12077.3	12245.8	12621.5	12387.6	12145.9	12630.8	13446.7	13953.3
25°	7929.1	8945.7	9763.5	10162.0	10398.1	10787.6	10624.1	10392.7	10895.7	11618.7	12057.4
26°	6398.6	7188.1	7928.6	8377.6	8666.2	9027.2	8873.7	8697.7	9186.4	9881.3	10250.5
27°	5103.8	5671.9	6312.6	6817.1	7088.0	7371.4	7251.3	7089.2	7544.0	8183.6	8546.3
28°	4265.7	4712.8	4947.1	5419.5	5702.4	5876.5	5774.3	5667.6	6051.6	6618.9	6970.2
29°	3427.7	3753.8	4124.2	4535.6	4541.8	4636.5	4554.9	4482.0	4778.0	5249.3	5585.7
30°	2596.4	2797.8	3301.2	3651.4	3731.8	3773.3	3722.3	3552.2	3749.8	4107.6	4392.1
31°	2126.6	2272.1	2491.3	2777.4	2922.9	2914.6	2890.3	2849.6	2980.2	3229.0	3467.3
32°	1773.6	1877.3	2039.4	2266.7	2373.6	2353.9	2336.6	2323.2	2406.8	2569.2	2750.1
33°	1514.1	1585.0	1711.5	1890.7	1966.0	1931.1	1927.9	1934.2	1986.0	2085.7	2219.2
34°	1319.4	1366.6	1460.9	1611.8	1654.9	1621.7	1626.4	1635.6	1673.4	1732.6	1826.1
35°	1167.1	1198.0	1274.1	1402.0	1422.2	1388.1	1400.0	1448.7	1489.5	1531.7	1607.0
36°	1051.9	1069.5	1132.1	1246.8	1244.4	1213.6	1228.9	1263.3	1307.3	1333.0	1389.9
37°	958.1	969.3	1019.3	1126.4	1109.0	1080.8	1098.5	1137.4	1125.2	1134.2	1172.8
38°	883.4	888.7	931.2	1034.8	1003.4	975.4	993.7	1041.7	1020.4	1020.8	1050.7
39°	822.2	823.9	861.2	962.5	919.7	894.2	910.3	962.9	935.0	928.8	955.3
40°	772.4	769.7	804.1	904.1	852.0	825.4	841.6	898.4	864.8	853.6	877.8
41°	730.8	724.2	756.6	855.7	796.4	769.7	785.2	845.1	807.3	790.7	815.9
42°	695.4	684.7	717.3	813.8	751.6	721.7	736.9	801.1	757.4	737.2	763.8
43°	665.1	651.2	683.6	776.9	713.6	681.5	695.7	764.2	715.0	692.2	720.6
44°	638.2	621.3	654.5	744.6	680.4	646.0	660.5	731.8	678.7	653.0	683.7

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CATALOG NUMBER: XSF100-SFTR-4Hx4V-830-Position 1

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	613.7	594.9	629.4	715.7	651.3	614.2	629.2	704.1	647.3	619.5	652.0
46°	590.2	570.3	606.4	688.8	625.8	585.8	602.2	678.7	618.9	588.6	623.7
47°	566.1	546.7	583.5	662.6	602.1	559.9	577.6	655.3	593.7	561.1	598.6
48°	541.6	525.0	560.4	634.4	579.3	536.2	556.2	633.4	571.0	536.9	575.8
49°	517.6	504.2	537.2	603.3	555.8	514.7	537.1	611.5	550.8	515.5	555.0
50°	493.5	483.8	514.1	572.3	531.5	494.0	516.8	587.7	531.9	494.9	535.2
51°	470.0	464.7	491.6	540.4	507.1	473.6	496.7	560.9	510.8	475.4	514.7
52°	446.7	445.0	469.0	509.8	482.9	453.7	475.4	533.7	488.9	456.0	493.4
53°	424.2	426.6	445.7	480.2	458.5	434.8	454.8	505.0	467.2	437.4	471.8
54°	403.4	409.1	423.5	451.0	434.0	415.9	434.1	476.3	445.4	419.3	449.1
55°	383.3	391.2	402.0	422.7	409.9	397.4	414.0	447.5	422.7	400.8	425.9
56°	363.3	373.4	380.5	398.8	388.3	378.9	393.8	420.6	401.0	382.5	401.7
57°	345.6	355.5	359.0	374.8	366.8	360.5	373.7	395.2	379.3	364.5	378.9
58°	328.2	339.2	338.9	350.8	345.3	343.1	353.6	373.4	359.7	346.9	357.3
59°	310.6	323.0	318.3	330.6	326.3	326.3	335.0	353.5	340.7	329.7	336.5
60°	294.0	307.2	298.5	310.7	307.1	309.8	316.7	335.3	322.3	313.0	315.8
61°	279.2	291.7	281.2	291.9	289.4	294.2	299.5	317.3	304.3	296.8	295.5
62°	266.2	276.5	266.7	276.2	273.1	279.0	283.7	300.8	287.7	281.1	276.7
63°	253.9	261.6	254.0	262.8	258.6	264.4	270.2	287.2	272.9	265.8	260.2
64°	241.9	247.0	242.0	252.6	245.2	249.9	258.0	277.7	259.7	251.4	246.1
65°	230.0	231.9	230.1	242.3	232.8	236.1	246.3	271.2	247.0	237.6	233.5
66°	217.3	217.4	218.1	230.9	220.5	222.1	234.4	263.6	234.8	223.7	221.2
67°	204.7	203.3	206.1	216.9	208.3	208.1	221.7	253.5	222.2	210.1	209.1
68°	191.4	188.3	193.2	200.5	196.4	193.8	209.2	241.6	210.2	196.0	197.2
69°	178.0	172.2	179.7	184.9	183.8	178.8	196.4	227.7	197.7	181.7	184.7
70°	164.3	156.8	166.3	176.6	170.3	163.2	183.1	212.6	184.5	165.6	171.7
71°	150.4	143.1	152.7	179.5	156.6	148.4	169.1	197.0	171.3	151.7	157.7
72°	136.3	130.4	138.9	187.7	142.5	135.0	154.7	195.6	156.9	137.8	143.6
73°	122.2	118.4	125.1	166.7	128.1	121.8	139.9	189.4	142.4	124.2	129.6
74°	108.4	106.5	111.1	135.8	113.8	108.9	125.4	161.2	127.9	111.2	115.5
75°	95.5	94.7	97.6	114.7	100.2	96.7	111.7	137.4	113.1	98.6	101.6
76°	83.1	83.3	85.3	97.9	87.0	85.2	98.2	113.6	99.8	86.8	88.5
77°	71.2	72.4	73.3	84.4	74.3	74.0	86.4	97.6	87.9	75.5	76.3
78°	59.9	61.7	61.5	72.3	62.1	63.4	74.4	84.1	74.7	64.6	64.6
79°	49.5	51.9	50.7	61.2	50.9	53.4	62.3	71.7	61.7	54.3	53.1
80°	41.0	43.3	42.0	50.5	42.0	44.5	50.9	60.1	50.1	44.6	43.0
81°	32.6	34.7	33.3	41.0	33.0	35.5	41.9	49.2	39.7	35.6	34.0
82°	24.1	26.2	24.8	31.6	24.0	26.7	33.0	39.2	30.7	27.4	25.5
83°	20.9	22.7	21.0	22.2	18.9	20.6	24.2	30.3	23.1	20.5	18.0
84°	20.1	22.2	20.6	16.6	17.4	18.0	20.1	22.0	19.3	16.2	14.1
85°	16.0	17.6	16.7	10.4	14.3	15.1	16.8	15.8	14.1	12.1	10.2
86°	8.3	9.0	9.6	5.2	8.8	10.0	11.0	9.7	9.0	7.9	5.9
87°	2.4	2.4	2.9	2.2	3.6	3.1	3.9	3.5	3.8	2.9	1.8
88°	0.9	1.0	1.0	1.0	1.1	1.2	1.6	1.2	1.1	0.7	0.4
89°	0.3	0.4	0.4	0.4	0.5	0.4	0.4	0.3	0.3	0.2	0.1

REPORT NUMBER: P1440303

CATALOG NUMBER: XSF100-SFTR-4Hx4V-830-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: P1440303

CATALOG NUMBER: XSF100-SFTR-4Hx4V-830-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: P1440303
CATALOG NUMBER: XSF100-SFTR-4Hx4V-830-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: P1440303

CATALOG NUMBER: XSF100-SFTR-4Hx4V-830-Position 1

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	34535.8	34535.8	34535.8
1°	34659.1	34607.3	34548.3
2°	34614.4	34498.3	34383.9
3°	34421.4	34230.2	34055.1
4°	34092.6	33822.8	33613.7
5°	33685.2	33360.0	33104.5
6°	33204.5	32825.7	32563.0
7°	32709.6	32316.4	32043.0
8°	32228.9	31834.0	31553.4
9°	31732.1	31372.9	31060.2
10°	31260.4	30906.6	30579.5
11°	30770.7	30400.9	30016.7
12°	30238.2	29793.3	29301.9
13°	29587.8	29049.9	28479.9
14°	28810.5	28172.6	27532.9
15°	27915.3	27205.8	26507.2
16°	26882.4	26164.1	25408.2
17°	25742.4	25045.5	24280.7
18°	24498.7	23891.1	23174.6
19°	23154.9	22724.3	21979.1
20°	21645.0	21471.6	20705.0
21°	20081.4	20092.1	19279.1
22°	18360.6	18528.6	17655.8
23°	16577.2	16791.7	15838.4
24°	14654.7	14867.0	14017.7
25°	12731.3	12941.4	12197.0
26°	10808.0	11015.6	10354.8
27°	8983.0	9101.0	8491.8
28°	7281.0	7267.0	6779.9
29°	5796.4	5706.0	5375.2
30°	4536.3	4436.2	4211.2
31°	3558.1	3457.5	3320.5
32°	2818.5	2737.0	2637.9
33°	2266.7	2207.7	2152.9
34°	1871.3	1823.4	1786.4
35°	1654.2	1607.2	1575.9
36°	1440.1	1393.4	1367.9
37°	1226.0	1179.5	1160.0
38°	1108.0	1059.2	1040.1
39°	1020.4	963.7	945.3
40°	948.8	885.8	867.8
41°	893.5	823.4	804.8
42°	846.8	770.6	750.4
43°	807.3	725.7	704.5
44°	771.6	686.7	664.0

REPORT NUMBER: P1440303

CATALOG NUMBER: XSF100-SFTR-4Hx4V-830-Position 1

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	739.1	652.4	628.6
46°	708.4	621.5	596.4
47°	680.3	593.7	568.4
48°	653.8	569.9	542.5
49°	627.9	547.3	517.3
50°	601.8	525.6	493.5
51°	574.5	504.4	471.7
52°	544.2	482.4	451.3
53°	513.1	461.3	432.5
54°	481.0	439.8	414.0
55°	450.1	418.2	395.9
56°	419.0	396.3	378.0
57°	391.1	374.2	360.8
58°	365.3	352.1	342.7
59°	342.0	330.0	326.0
60°	322.1	309.2	308.7
61°	302.7	289.6	292.6
62°	284.0	271.6	277.1
63°	267.3	256.0	261.5
64°	253.6	242.7	246.6
65°	241.6	230.3	232.0
66°	232.2	218.6	217.3
67°	221.7	206.7	203.2
68°	206.7	194.1	188.9
69°	190.0	181.6	173.8
70°	174.8	168.2	159.4
71°	173.7	154.6	144.9
72°	172.9	141.0	130.5
73°	172.1	127.5	118.0
74°	156.5	114.3	106.1
75°	127.8	101.3	94.3
76°	105.2	87.6	83.1
77°	88.5	75.2	71.9
78°	74.8	63.4	60.9
79°	62.5	51.5	50.2
80°	50.6	40.8	40.1
81°	39.1	31.2	31.3
82°	29.1	22.8	23.0
83°	20.6	18.6	18.3
84°	14.7	14.5	13.8
85°	8.9	10.3	9.2
86°	3.1	2.9	1.9
87°	0.7	0.6	0.5
88°	0.3	0.3	0.3
89°	0.1	0.1	0.1

REPORT NUMBER: P1440303

CATALOG NUMBER: XSF100-SFTR-4Hx4V-830-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: P1440303

CATALOG NUMBER: XSF100-SFTR-4Hx4V-830-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: P1440303

CATALOG NUMBER: XSF100-SFTR-4Hx4V-830-Position 1

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)