

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: P1440314

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

Issue Date: 04/15/2026

Test Information

Test Method: LM-79-2024
Report Number: P1440314
Test Lab: THIRD PARTY NVLAP
Issue Date: 7/15/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XSF100-SFTR-4Hx4V-850-Position 4
Description: LUMARK ALL SELECTABLE LUMINAIRE 100W w/ NEMA 4 FLOOD DISTRIBUTION 5000K CCT
80 CRI LIGHT ENGINE AT Position 4
Light Source: (1) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7369.7 lumens
Efficiency: N/A
Efficacy: 163.8 lumens/watt
Luminous Opening: Rectangular (W 0.4' x L: 0.4' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G0

Input Watts (W): 45
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

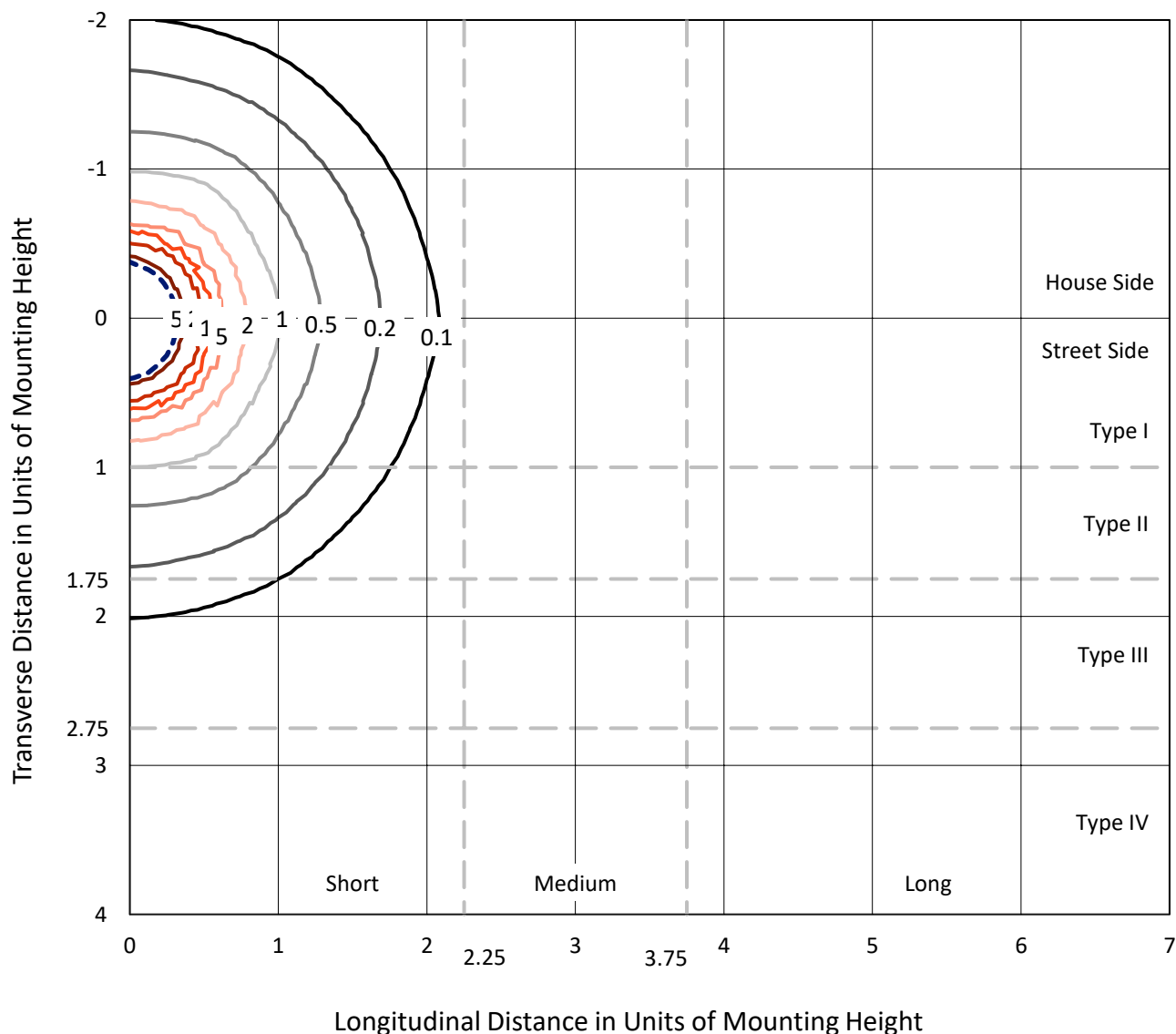
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

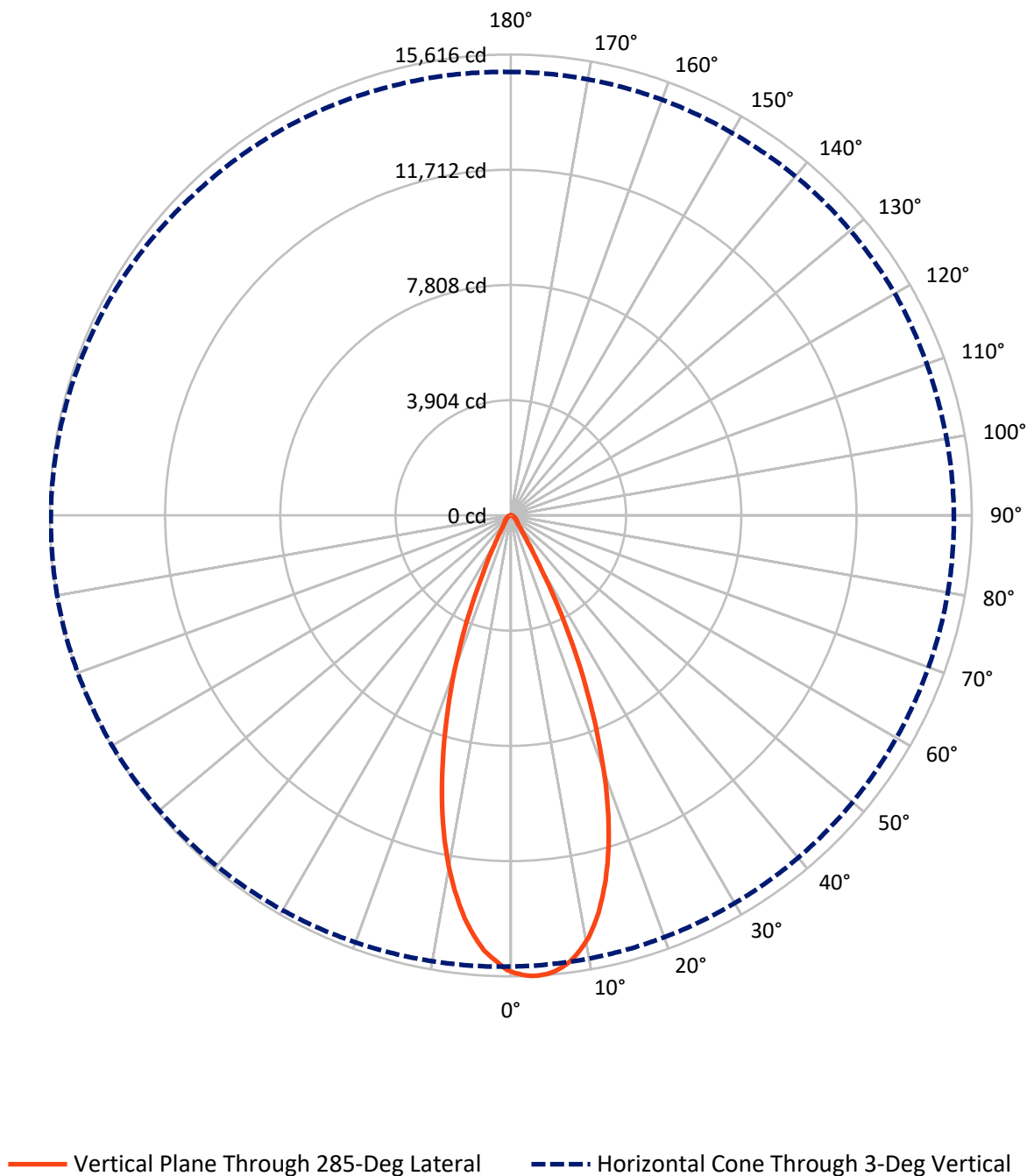


Based on 10 foot mounting height. Maximum calculated value = 155 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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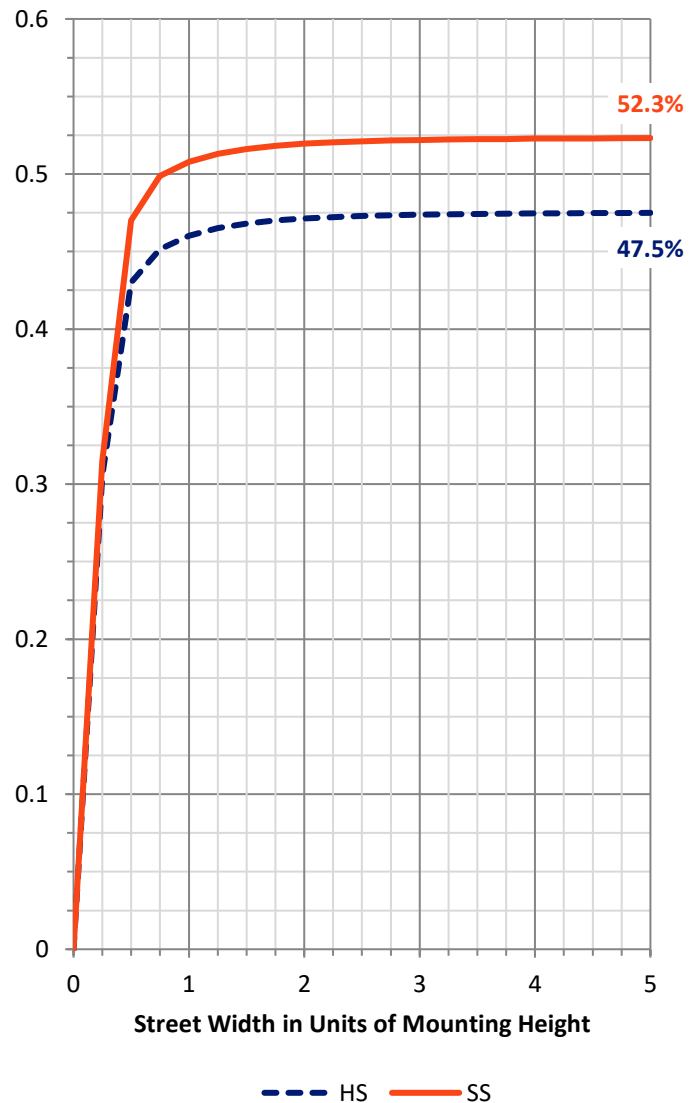
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3549.1	0.0	3549.1
	% Fixture	48.2	0.0	48.2
Street Side	Lumens	3820.6	0.0	3820.6
	% Fixture	51.8	0.0	51.8
Total	Lumens	7369.7	0.0	7369.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1372.5	18.6
10°-20°	3051.8	41.4
20°-30°	1954.5	26.5
30°-40°	435.5	5.9
40°-50°	226.7	3.1
50°-60°	164.9	2.2
60°-70°	106.2	1.4
70°-80°	50.8	0.7
80°-90°	7.0	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°	7369.7	100.0
0°-180°	7369.7	100.0

Coefficient of Utilization



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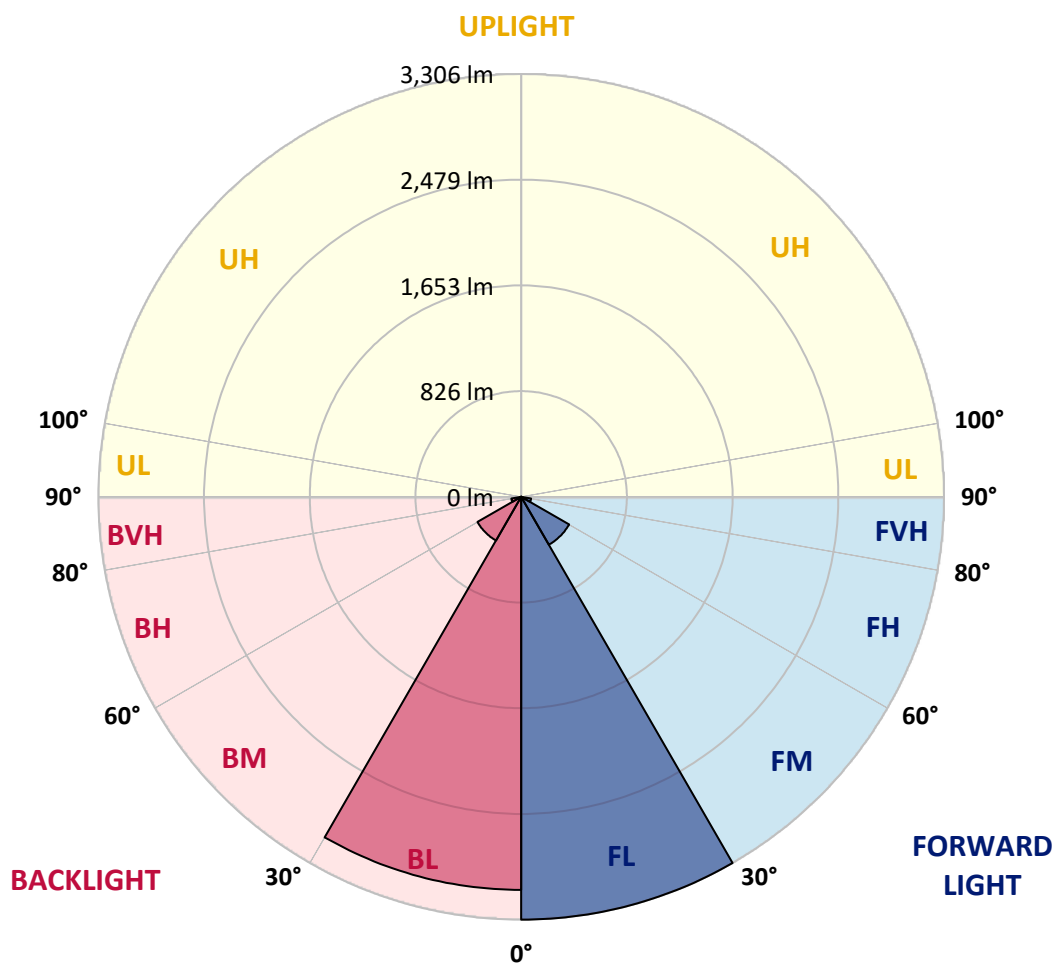
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3305.6	44.9			
FM	(30°-60°)	432.9	5.9			
FH	(60°-80°)	78.8	1.1			G0/660
FVH	(80°-90°)	3.3	0.0			G0/10
BL	(0°-30°)	3073.2	41.7	B4/5000		
BM	(30°-60°)	394.1	5.3	B1/1000		
BH	(60°-80°)	78.2	1.1	B0/110		G0/110
BVH	(80°-90°)	3.7	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	15500.4	15500.4	15500.4	15500.4	15500.4	15500.4	15500.4	15500.4	15500.4	15500.4	15500.4
1°	15506.0	15487.6	15457.9	15432.2	15409.8	15386.5	15398.6	15393.7	15386.5	15384.9	15384.9
2°	15432.2	15388.1	15337.6	15307.1	15269.4	15245.4	15205.3	15188.4	15208.5	15200.5	15177.2
3°	15284.7	15226.9	15168.4	15129.1	15083.4	15047.3	15011.2	14983.1	15028.0	15014.4	14969.5
4°	15086.6	15022.4	14954.2	14900.5	14854.0	14805.1	14816.3	14774.6	14752.9	14751.3	14761.0
5°	14858.0	14779.4	14705.6	14641.5	14573.3	14505.9	14517.9	14467.4	14451.4	14458.6	14482.7
6°	14615.0	14530.0	14443.4	14347.1	14255.7	14172.3	14166.7	14121.8	14119.3	14142.6	14205.2
7°	14381.6	14283.8	14163.5	14029.5	13906.0	13804.2	13783.3	13746.4	13740.8	13809.0	13916.4
8°	14161.9	14046.4	13882.8	13695.1	13525.9	13382.3	13356.6	13309.3	13332.6	13447.3	13611.7
9°	13940.5	13809.8	13593.2	13339.8	13105.6	12929.2	12878.6	12847.4	12894.7	13051.9	13288.5
10°	13724.8	13545.9	13288.5	12965.3	12664.5	12448.8	12367.8	12346.1	12431.9	12642.0	12931.6
11°	13472.1	13258.0	12948.4	12568.3	12207.4	11921.0	11825.6	11815.2	11932.3	12185.7	12533.0
12°	13151.3	12924.4	12586.7	12144.0	11729.4	11380.5	11235.3	11232.9	11398.9	11694.9	12082.2
13°	12782.4	12529.8	12157.6	11679.6	11210.5	10803.0	10622.6	10621.8	10827.1	11168.0	11587.4
14°	12357.3	12082.2	11666.0	11172.0	10669.1	10194.3	9966.6	9982.6	10220.0	10596.9	11035.6
15°	11897.0	11585.8	11123.0	10625.0	10067.6	9552.7	9296.1	9310.5	9580.0	9979.4	10430.1
16°	11403.7	11046.9	10529.6	10033.9	9430.0	8881.4	8603.1	8625.6	8904.7	9333.8	9777.3
17°	10897.7	10487.1	9927.3	9394.7	8774.0	8194.9	7917.6	7935.8	8213.4	8652.1	9109.2
18°	10401.2	9911.2	9296.1	8737.9	8097.1	7530.6	7238.7	7247.2	7510.6	7945.8	8416.3
19°	9864.7	9316.1	8643.2	8048.1	7393.0	6857.8	6565.5	6562.4	6801.3	7201.9	7687.5
20°	9292.9	8687.3	7971.2	7311.4	6717.9	6184.8	5905.3	5894.4	6112.2	6454.2	6933.3
21°	8652.9	7996.8	7245.9	6619.6	6043.0	5511.7	5240.3	5224.3	5416.8	5701.3	6131.7
22°	7924.3	7402.5	6519.0	5928.8	5353.3	4840.6	4583.2	4565.8	4729.4	4955.2	5338.2
23°	7108.6	6562.3	5792.2	5215.2	4675.6	4182.9	3938.4	3917.5	4061.8	4237.1	4565.9
24°	6291.4	5715.7	5056.4	4521.6	4015.0	3550.2	3319.6	3292.9	3414.2	3554.7	3839.5
25°	5474.3	4918.6	4339.0	3847.4	3384.8	2972.5	2766.5	2727.9	2818.1	2933.8	3175.9
26°	4647.5	4157.5	3655.2	3217.3	2807.6	2459.5	2286.9	2234.8	2295.1	2388.0	2579.9
27°	3811.3	3427.3	3022.0	2655.0	2310.9	2024.5	1955.7	1906.3	1948.6	2021.9	2086.6
28°	3043.0	2759.1	2454.9	2166.0	1884.8	1660.7	1624.5	1577.7	1602.3	1655.7	1765.7
29°	2412.5	2204.5	1993.0	1765.1	1547.5	1370.0	1293.9	1250.3	1259.2	1293.2	1444.8
30°	1890.1	1753.1	1607.8	1438.9	1273.3	1132.3	1079.2	1039.4	1042.0	1067.5	1125.6
31°	1490.3	1404.0	1304.9	1182.5	1055.5	946.3	908.5	874.5	875.6	897.4	936.0
32°	1183.9	1129.9	1073.3	982.9	886.5	804.6	776.5	744.5	747.3	766.9	792.5
33°	966.3	930.2	893.7	828.0	752.9	714.9	674.2	645.0	647.7	664.4	684.0
34°	801.8	779.3	759.0	734.3	669.9	626.3	596.6	567.4	568.6	586.0	601.9
35°	707.3	691.5	679.8	640.8	587.6	537.7	535.0	506.7	506.5	523.5	539.2
36°	614.0	604.9	600.9	547.3	505.3	484.7	487.0	458.9	457.7	474.8	491.4
37°	520.6	518.2	522.0	490.0	455.3	442.3	448.3	420.3	417.5	434.7	453.2
38°	466.8	466.5	475.3	444.9	415.2	407.5	416.0	388.3	385.3	402.4	422.9
39°	424.3	424.8	438.4	407.5	382.4	378.5	390.1	362.5	358.6	376.0	398.7
40°	389.5	391.1	408.6	376.3	355.6	354.6	368.4	340.8	336.5	354.4	378.5
41°	361.2	363.4	383.8	351.8	333.2	334.6	350.2	322.7	317.9	336.3	361.6
42°	336.8	340.5	363.0	331.2	314.5	317.8	335.0	307.0	301.9	321.1	346.7
43°	316.2	321.0	345.0	313.7	297.8	303.0	321.8	293.7	288.4	308.1	333.5
44°	298.0	304.3	328.8	298.5	283.1	289.7	310.0	282.1	275.9	296.9	322.0

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

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	282.1	289.3	314.6	285.1	269.9	277.8	299.3	271.4	264.6	286.3	310.3
46°	267.7	275.8	301.5	273.5	258.2	267.0	288.9	261.1	254.3	275.8	298.0
47°	255.1	263.6	289.7	263.3	247.6	256.8	277.6	251.1	244.4	264.9	284.3
48°	243.5	252.2	278.5	253.5	237.7	246.4	266.0	241.3	235.2	254.2	270.6
49°	232.2	240.7	266.7	243.9	228.2	236.5	254.8	231.7	226.3	243.2	256.6
50°	221.5	229.5	254.2	234.3	219.1	226.6	243.0	222.2	217.4	232.4	242.8
51°	211.7	218.3	240.9	224.1	210.3	216.5	231.0	212.6	209.1	221.8	229.5
52°	202.5	207.4	227.5	214.0	201.6	206.1	219.2	203.5	200.6	211.2	216.5
53°	194.1	197.1	214.6	203.9	193.0	196.3	208.2	194.3	192.1	200.9	204.1
54°	185.8	186.9	201.9	193.9	184.6	186.7	197.1	185.8	183.8	190.7	192.2
55°	177.7	177.1	189.6	184.1	176.5	177.6	186.9	177.4	175.9	181.0	182.0
56°	169.6	167.8	177.8	174.3	168.6	169.3	178.3	169.1	167.9	171.4	172.1
57°	161.9	159.0	166.9	164.8	160.9	161.4	169.6	160.7	159.9	161.7	162.1
58°	153.8	150.5	157.3	155.5	153.5	153.8	160.9	153.0	152.7	152.4	153.3
59°	146.3	142.7	148.5	146.3	146.3	146.7	153.2	145.6	145.5	143.6	144.8
60°	138.5	134.9	139.7	137.3	138.9	139.8	145.7	138.4	138.3	135.2	136.7
61°	131.3	127.7	131.4	129.0	131.7	133.3	138.6	131.9	131.2	127.8	129.0
62°	124.4	120.8	123.8	121.6	125.1	127.0	132.9	125.8	124.4	121.4	122.9
63°	117.4	114.5	117.1	115.0	118.4	121.1	128.8	120.0	118.0	115.3	117.5
64°	110.7	108.7	111.7	109.0	112.0	115.2	124.7	114.3	111.7	109.4	112.7
65°	104.1	103.0	107.1	103.2	105.7	109.4	119.6	108.4	105.3	103.6	107.2
66°	97.5	97.6	102.4	97.4	99.2	103.7	114.2	102.5	98.8	98.0	100.7
67°	91.2	92.2	96.5	91.6	92.7	98.2	108.2	96.7	92.2	92.5	93.3
68°	84.8	86.5	89.2	85.8	85.9	92.1	101.6	90.6	85.2	86.8	85.5
69°	78.0	80.8	82.1	79.7	78.7	85.6	94.5	84.3	77.7	80.8	80.4
70°	71.5	74.5	75.8	73.3	71.9	79.2	89.0	77.9	70.2	74.5	85.9
71°	65.1	68.4	77.4	66.9	65.1	72.6	97.6	71.3	63.7	68.0	89.3
72°	58.6	62.3	79.1	60.4	58.3	66.0	89.3	64.8	57.7	61.5	82.5
73°	52.9	56.3	80.8	53.9	52.2	59.4	75.3	58.3	51.8	54.7	68.4
74°	47.6	50.0	67.0	47.9	46.4	53.1	63.3	52.0	46.1	48.2	58.3
75°	42.3	43.7	53.7	41.9	40.9	47.0	54.5	46.4	40.8	42.4	50.8
76°	37.3	38.0	44.4	36.3	35.8	40.9	47.9	41.2	35.7	36.6	44.1
77°	32.3	32.5	37.5	31.2	30.9	34.9	42.2	35.7	30.8	31.0	38.0
78°	27.3	27.0	31.7	26.2	26.2	29.2	37.0	29.9	26.1	25.8	32.2
79°	22.5	21.8	26.4	21.4	21.8	24.0	31.7	24.7	21.7	21.4	27.2
80°	18.0	17.1	21.3	17.1	17.7	19.4	26.5	20.5	17.9	17.1	22.2
81°	14.0	13.1	16.2	13.2	13.9	15.3	21.6	16.3	14.1	12.7	17.9
82°	10.3	9.5	11.9	9.7	10.5	11.7	17.4	12.1	10.4	9.6	13.6
83°	8.2	7.6	8.1	7.6	8.0	8.9	13.3	9.3	8.2	7.5	9.3
84°	6.2	5.8	5.4	5.5	6.3	6.8	9.1	7.6	6.6	6.0	6.6
85°	4.1	3.9	2.7	3.4	4.5	4.7	5.6	5.7	4.7	4.2	3.9
86°	0.9	0.9	0.9	1.5	2.0	2.6	2.9	3.1	2.5	2.2	1.8
87°	0.2	0.2	0.2	0.3	0.6	0.9	1.2	1.0	0.8	0.9	0.8
88°	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.4
89°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2

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

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1440314

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P1440314
CATALOG NUMBER: XSF100-SFTR-4Hx4V-850-Position 4

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: P1440314

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

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	15500.4	15500.4	15500.4	15500.4	15500.4	15500.4	15500.4	15500.4	15500.4	15500.4	15500.4
1°	15406.6	15417.8	15445.1	15468.3	15494.8	15516.4	15535.7	15559.0	15574.2	15579.8	15574.2
2°	15199.7	15221.3	15267.8	15368.1	15432.2	15496.4	15548.5	15593.4	15614.3	15612.7	15580.6
3°	14992.7	15024.8	15090.6	15196.4	15284.7	15423.4	15523.7	15586.2	15615.9	15597.4	15526.1
4°	14785.0	14828.3	14912.5	15024.0	15137.9	15296.7	15462.7	15549.3	15583.8	15539.7	15428.2
5°	14530.0	14580.5	14667.1	14801.1	14990.3	15170.0	15376.1	15488.4	15518.9	15431.4	15281.5
6°	14269.3	14339.1	14428.9	14566.9	14778.6	15041.7	15214.1	15383.3	15405.0	15299.1	15107.4
7°	14017.5	14105.7	14210.0	14347.9	14562.9	14828.3	15051.3	15226.1	15253.4	15122.7	14907.7
8°	13764.1	13882.0	13997.4	14134.6	14334.3	14607.0	14888.5	15032.0	15054.5	14915.7	14687.2
9°	13496.2	13639.7	13772.9	13918.8	14106.5	14353.5	14632.6	14788.2	14805.1	14665.5	14453.0
10°	13190.6	13365.5	13525.9	13694.3	13858.7	14071.2	14327.9	14485.1	14521.2	14380.8	14206.8
11°	12832.9	13032.6	13232.3	13439.2	13598.0	13753.6	13977.4	14122.6	14157.8	14055.2	13944.5
12°	12422.3	12640.4	12871.4	13132.1	13301.3	13398.3	13574.0	13700.7	13754.4	13697.5	13669.4
13°	11951.5	12178.5	12449.6	12772.8	12966.9	13005.4	13124.9	13230.7	13299.7	13290.9	13346.2
14°	11427.0	11666.0	11967.6	12357.3	12573.1	12577.9	12645.3	12717.4	12800.8	12846.6	12991.7
15°	10862.4	11151.1	11455.9	11875.3	12121.5	12108.7	12119.9	12151.2	12250.7	12373.4	12584.3
16°	10274.5	10621.0	10932.2	11334.8	11594.6	11571.4	11552.9	11536.1	11662.0	11854.5	12124.8
17°	9683.4	10101.3	10406.9	10761.3	11013.2	11000.3	10938.6	10873.6	11032.4	11293.1	11589.0
18°	9049.9	9552.7	9873.5	10146.2	10354.7	10361.9	10272.1	10159.0	10330.7	10667.5	10976.3
19°	8359.3	8948.8	9287.3	9504.6	9645.7	9675.4	9531.1	9405.9	9601.6	9997.0	10309.8
20°	7616.9	8255.1	8636.0	8798.8	8875.0	8925.5	8782.0	8622.4	8825.3	9258.4	9562.3
21°	6807.2	7488.1	7876.9	8030.5	8065.0	8142.0	7973.6	7832.9	8040.9	8477.2	8780.4
22°	5973.8	6639.5	7050.8	7188.6	7224.4	7326.1	7181.7	7039.1	7250.5	7675.7	7964.1
23°	5134.2	5763.5	6165.8	6307.0	6358.4	6489.4	6361.2	6245.2	6459.8	6855.6	7113.5
24°	4326.1	4875.9	5269.2	5420.5	5496.2	5664.8	5559.8	5451.3	5669.0	6035.2	6262.6
25°	3558.7	4015.0	4382.1	4560.9	4666.9	4841.7	4768.3	4664.5	4890.2	5214.7	5411.6
26°	2871.8	3226.2	3558.5	3760.1	3889.6	4051.6	3982.7	3903.7	4123.0	4434.9	4600.6
27°	2290.7	2545.7	2833.3	3059.7	3181.2	3308.4	3254.5	3181.8	3385.9	3673.0	3835.8
28°	1914.6	2115.2	2220.4	2432.4	2559.4	2637.5	2591.6	2543.7	2716.1	2970.7	3128.4
29°	1538.4	1684.8	1851.0	2035.7	2038.5	2081.0	2044.3	2011.6	2144.5	2356.0	2507.0
30°	1165.3	1255.7	1481.6	1638.8	1674.9	1693.5	1670.7	1594.3	1683.0	1843.6	1971.3
31°	954.5	1019.8	1118.2	1246.6	1311.8	1308.2	1297.2	1279.0	1337.6	1449.2	1556.2
32°	796.0	842.6	915.3	1017.3	1065.3	1056.5	1048.7	1042.7	1080.2	1153.1	1234.3
33°	679.5	711.4	768.1	848.6	882.4	866.7	865.3	868.1	891.4	936.1	996.0
34°	592.2	613.4	655.7	723.4	742.8	727.9	730.0	734.1	751.1	777.6	819.6
35°	523.8	537.7	571.8	629.3	638.3	623.0	628.4	650.2	668.5	687.5	721.3
36°	472.1	480.0	508.1	559.6	558.5	544.7	551.6	567.0	586.8	598.3	623.8
37°	430.0	435.0	457.5	505.6	497.7	485.1	493.1	510.5	505.0	509.1	526.4
38°	396.5	398.9	417.9	464.4	450.4	437.8	446.0	467.6	458.0	458.2	471.6
39°	369.0	369.8	386.5	432.0	412.8	401.3	408.6	432.2	419.6	416.9	428.8
40°	346.7	345.4	360.9	405.8	382.4	370.5	377.7	403.2	388.1	383.1	394.0
41°	328.0	325.0	339.6	384.1	357.5	345.4	352.4	379.3	362.3	354.9	366.2
42°	312.1	307.3	321.9	365.2	337.3	323.9	330.7	359.6	339.9	330.9	342.8
43°	298.5	292.3	306.8	348.7	320.3	305.9	312.3	343.0	320.9	310.7	323.4
44°	286.5	278.9	293.7	334.2	305.4	290.0	296.4	328.4	304.6	293.1	306.9

REPORT NUMBER: P1440314

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

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	275.5	267.0	282.5	321.2	292.3	275.7	282.4	316.0	290.5	278.1	292.6
46°	264.9	255.9	272.2	309.1	280.9	262.9	270.3	304.6	277.8	264.2	279.9
47°	254.1	245.4	261.9	297.4	270.2	251.3	259.2	294.1	266.5	251.9	268.7
48°	243.1	235.6	251.5	284.7	260.0	240.7	249.6	284.3	256.3	241.0	258.4
49°	232.3	226.3	241.1	270.8	249.5	231.0	241.0	274.4	247.2	231.4	249.1
50°	221.5	217.2	230.7	256.9	238.5	221.7	232.0	263.8	238.7	222.1	240.2
51°	210.9	208.6	220.6	242.6	227.6	212.6	223.0	251.7	229.3	213.4	231.0
52°	200.5	199.7	210.5	228.8	216.8	203.6	213.4	239.5	219.4	204.7	221.5
53°	190.4	191.5	200.1	215.5	205.8	195.2	204.1	226.7	209.7	196.3	211.8
54°	181.1	183.6	190.1	202.4	194.8	186.6	194.8	213.8	199.9	188.2	201.5
55°	172.0	175.6	180.4	189.7	184.0	178.4	185.8	200.9	189.7	179.9	191.1
56°	163.0	167.6	170.8	179.0	174.3	170.1	176.8	188.8	180.0	171.7	180.3
57°	155.1	159.6	161.1	168.2	164.6	161.8	167.7	177.4	170.3	163.6	170.0
58°	147.3	152.3	152.1	157.5	155.0	154.0	158.7	167.6	161.5	155.7	160.4
59°	139.4	145.0	142.8	148.4	146.4	146.5	150.4	158.6	152.9	148.0	151.1
60°	131.9	137.9	134.0	139.4	137.8	139.1	142.1	150.5	144.7	140.5	141.8
61°	125.3	130.9	126.2	131.0	129.9	132.0	134.4	142.4	136.6	133.2	132.6
62°	119.5	124.1	119.7	124.0	122.6	125.2	127.3	135.0	129.1	126.2	124.2
63°	114.0	117.4	114.0	118.0	116.1	118.6	121.3	128.9	122.5	119.3	116.8
64°	108.6	110.9	108.6	113.4	110.0	112.2	115.8	124.6	116.6	112.8	110.5
65°	103.2	104.1	103.3	108.8	104.5	106.0	110.5	121.7	110.8	106.7	104.8
66°	97.5	97.6	97.9	103.6	99.0	99.7	105.2	118.3	105.4	100.4	99.3
67°	91.9	91.3	92.5	97.4	93.5	93.4	99.5	113.8	99.7	94.3	93.9
68°	85.9	84.5	86.7	90.0	88.1	87.0	93.9	108.4	94.4	88.0	88.5
69°	79.9	77.3	80.7	83.0	82.5	80.2	88.2	102.2	88.7	81.5	82.9
70°	73.7	70.4	74.6	79.3	76.4	73.2	82.2	95.4	82.8	74.3	77.1
71°	67.5	64.2	68.5	80.6	70.3	66.6	75.9	88.4	76.9	68.1	70.8
72°	61.2	58.5	62.3	84.3	63.9	60.6	69.4	87.8	70.4	61.9	64.5
73°	54.9	53.2	56.2	74.8	57.5	54.7	62.8	85.0	63.9	55.7	58.2
74°	48.7	47.8	49.9	60.9	51.1	48.9	56.3	72.3	57.4	49.9	51.9
75°	42.9	42.5	43.8	51.5	45.0	43.4	50.1	61.7	50.8	44.3	45.6
76°	37.3	37.4	38.3	43.9	39.0	38.2	44.1	51.0	44.8	39.0	39.7
77°	31.9	32.5	32.9	37.9	33.3	33.2	38.8	43.8	39.5	33.9	34.3
78°	26.9	27.7	27.6	32.4	27.9	28.5	33.4	37.7	33.5	29.0	29.0
79°	22.2	23.3	22.8	27.5	22.9	24.0	28.0	32.2	27.7	24.4	23.8
80°	18.4	19.4	18.9	22.7	18.8	20.0	22.8	27.0	22.5	20.0	19.3
81°	14.6	15.6	15.0	18.4	14.8	16.0	18.8	22.1	17.8	16.0	15.3
82°	10.8	11.8	11.1	14.2	10.8	12.0	14.8	17.6	13.8	12.3	11.4
83°	9.4	10.2	9.4	10.0	8.5	9.2	10.9	13.6	10.4	9.2	8.1
84°	9.0	10.0	9.2	7.5	7.8	8.1	9.0	9.9	8.7	7.3	6.3
85°	7.2	7.9	7.5	4.7	6.4	6.8	7.5	7.1	6.3	5.4	4.6
86°	3.7	4.0	4.3	2.3	3.9	4.5	4.9	4.3	4.0	3.6	2.7
87°	1.1	1.1	1.3	1.0	1.6	1.4	1.8	1.6	1.7	1.3	0.8
88°	0.4	0.5	0.5	0.4	0.5	0.5	0.7	0.5	0.5	0.3	0.2
89°	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1

REPORT NUMBER: P1440314

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

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1440314

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P1440314
CATALOG NUMBER: XSF100-SFTR-4Hx4V-850-Position 4

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1440314

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	15500.4	15500.4	15500.4
1°	15555.7	15532.5	15506.0
2°	15535.7	15483.6	15432.2
3°	15449.1	15363.3	15284.7
4°	15301.5	15180.4	15086.6
5°	15118.6	14972.7	14858.0
6°	14902.9	14732.9	14615.0
7°	14680.8	14504.3	14381.6
8°	14465.0	14287.8	14161.9
9°	14242.1	14080.9	13940.5
10°	14030.3	13871.5	13724.8
11°	13810.6	13644.6	13472.1
12°	13571.6	13371.9	13151.3
13°	13279.6	13038.2	12782.4
14°	12930.8	12644.5	12357.3
15°	12529.0	12210.6	11897.0
16°	12065.4	11743.0	11403.7
17°	11553.7	11240.9	10897.7
18°	10995.5	10722.8	10401.2
19°	10392.4	10199.1	9864.7
20°	9714.7	9636.9	9292.9
21°	9013.0	9017.8	8652.9
22°	8240.6	8316.0	7924.3
23°	7440.2	7536.5	7108.6
24°	6577.3	6672.6	6291.4
25°	5714.1	5808.4	5474.3
26°	4850.9	4944.1	4647.5
27°	4031.8	4084.7	3811.3
28°	3267.9	3261.6	3043.0
29°	2601.6	2561.0	2412.5
30°	2036.0	1991.1	1890.1
31°	1597.0	1551.8	1490.3
32°	1265.0	1228.4	1183.9
33°	1017.3	990.9	966.3
34°	839.9	818.4	801.8
35°	742.5	721.4	707.3
36°	646.4	625.4	614.0
37°	550.3	529.4	520.6
38°	497.3	475.4	466.8
39°	458.0	432.5	424.3
40°	425.9	397.6	389.5
41°	401.0	369.6	361.2
42°	380.1	345.9	336.8
43°	362.3	325.7	316.2
44°	346.3	308.2	298.0

REPORT NUMBER: P1440314

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	331.7	292.8	282.1
46°	317.9	278.9	267.7
47°	305.3	266.5	255.1
48°	293.4	255.8	243.5
49°	281.8	245.6	232.2
50°	270.1	235.9	221.5
51°	257.9	226.4	211.7
52°	244.2	216.5	202.5
53°	230.3	207.0	194.1
54°	215.9	197.4	185.8
55°	202.0	187.7	177.7
56°	188.1	177.9	169.6
57°	175.5	167.9	161.9
58°	164.0	158.0	153.8
59°	153.5	148.1	146.3
60°	144.6	138.8	138.5
61°	135.9	130.0	131.3
62°	127.5	121.9	124.4
63°	119.9	114.9	117.4
64°	113.8	108.9	110.7
65°	108.5	103.3	104.1
66°	104.2	98.1	97.5
67°	99.5	92.8	91.2
68°	92.8	87.1	84.8
69°	85.3	81.5	78.0
70°	78.5	75.5	71.5
71°	78.0	69.4	65.1
72°	77.6	63.3	58.6
73°	77.2	57.2	52.9
74°	70.2	51.3	47.6
75°	57.4	45.5	42.3
76°	47.2	39.3	37.3
77°	39.7	33.8	32.3
78°	33.6	28.5	27.3
79°	28.1	23.1	22.5
80°	22.7	18.3	18.0
81°	17.5	14.0	14.0
82°	13.1	10.3	10.3
83°	9.2	8.4	8.2
84°	6.6	6.5	6.2
85°	4.0	4.6	4.1
86°	1.4	1.3	0.9
87°	0.3	0.3	0.2
88°	0.1	0.1	0.1
89°	0.1	0.1	0.1

REPORT NUMBER: P1440314

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

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1440314

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

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1440314

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)