

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: P1440309

Luminaire Tested: XSF100-SFTR-4Hx4V-840-Position 3

Issue Date: 04/15/2026

Test Information

Test Method: LM-79-2024
Report Number: P1440309
Test Lab: THIRD PARTY NVLAP
Issue Date: 7/15/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XSF100-SFTR-4Hx4V-840-Position 3
Description: LUMARK ALL SELECTABLE LUMINAIRE 100W w/ NEMA 4 FLOOD DISTRIBUTION 4000K CCT
80 CRI LIGHT ENGINE AT Position 3
Light Source: (1) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10590.8 lumens
Efficiency: N/A
Efficacy: 160.5 lumens/watt
Luminous Opening: Rectangular (W 0.4' x L: 0.4' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 66
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

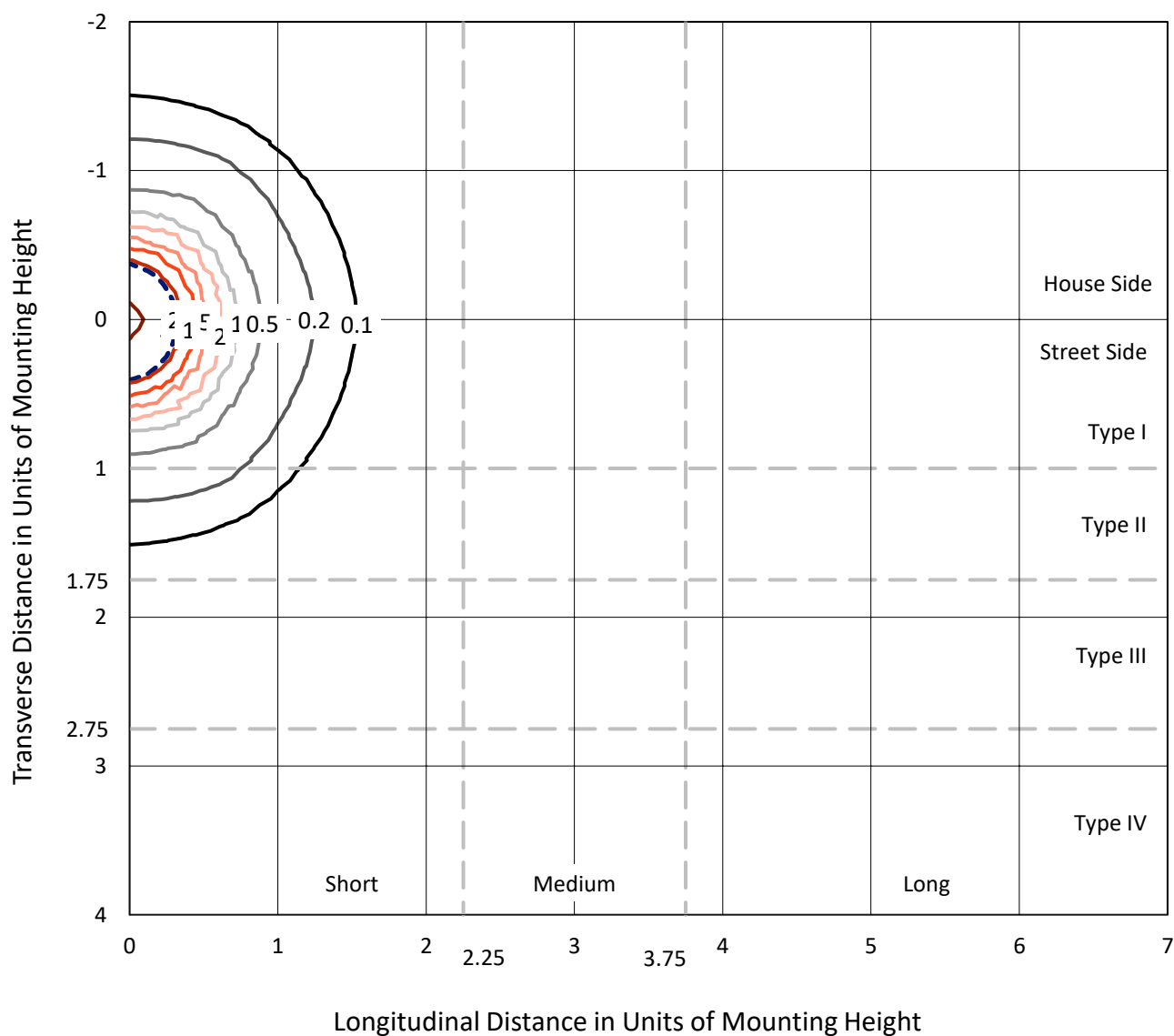
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



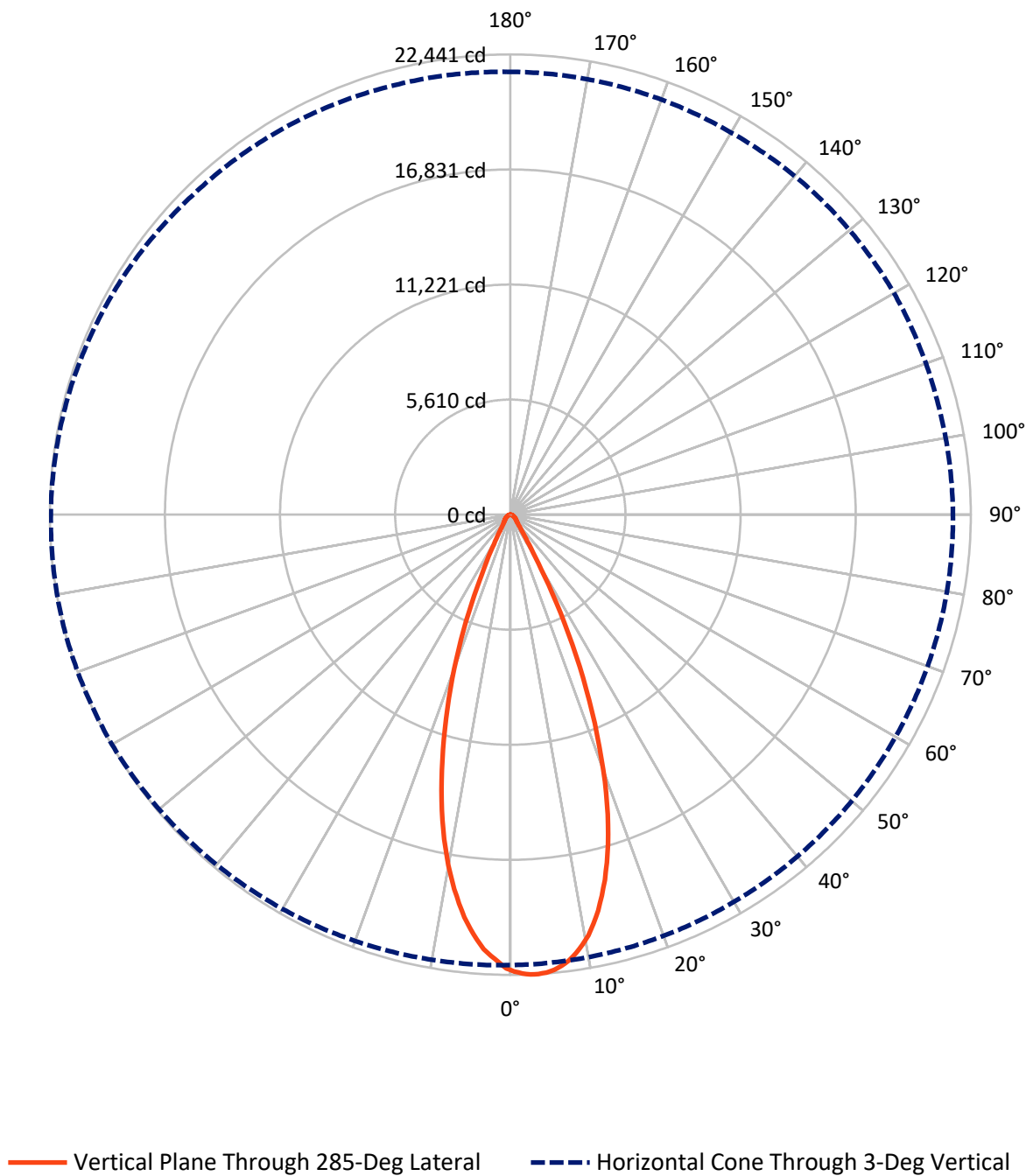
Based on 20 foot mounting height. Maximum calculated value = 55.7 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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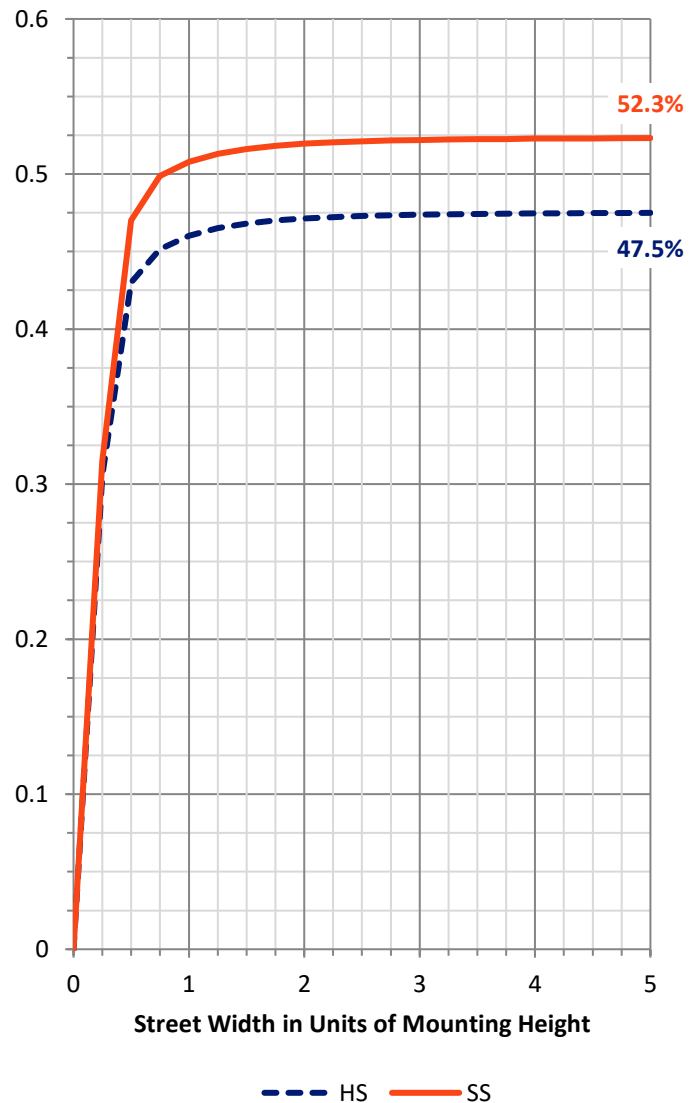
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5100.3	0.0	5100.3
	% Fixture	48.2	0.0	48.2
Street Side	Lumens	5490.5	0.0	5490.5
	% Fixture	51.8	0.0	51.8
Total	Lumens	10590.8	0.0	10590.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1972.3	18.6
10°-20°	4385.6	41.4
20°-30°	2808.7	26.5
30°-40°	625.8	5.9
40°-50°	325.8	3.1
50°-60°	236.9	2.2
60°-70°	152.6	1.4
70°-80°	73.0	0.7
80°-90°	10.0	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°	10590.8	100.0
0°-180°	10590.8	100.0

Coefficient of Utilization



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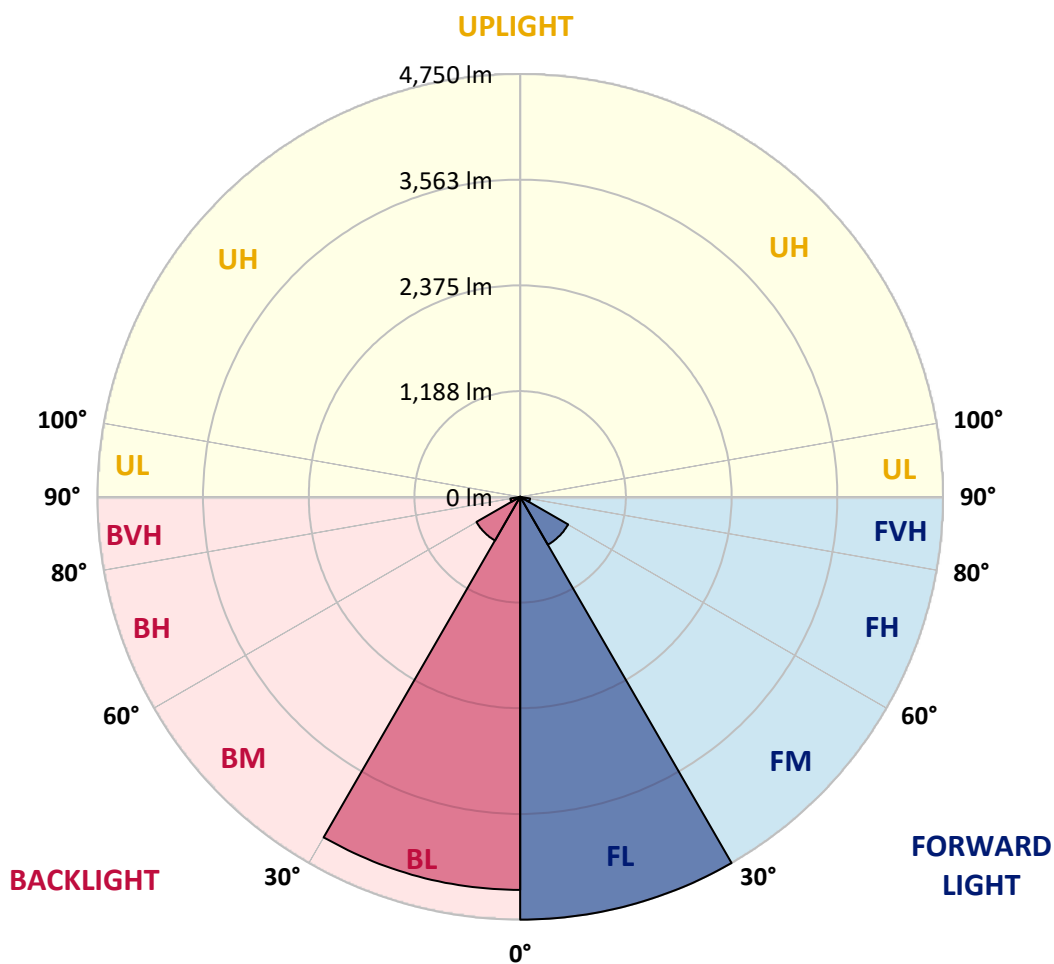
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4750.4	44.9			
FM	(30°-60°)	622.1	5.9			
FH	(60°-80°)	113.2	1.1			G0/660
FVH	(80°-90°)	4.7	0.0			G0/10
BL	(0°-30°)	4416.3	41.7	B4/5000		
BM	(30°-60°)	566.4	5.3	B1/1000		
BH	(60°-80°)	112.3	1.1	B1/500		G1/500
BVH	(80°-90°)	5.3	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	22275.1	22275.1	22275.1	22275.1	22275.1	22275.1	22275.1	22275.1	22275.1	22275.1	22275.1
1°	22283.1	22256.6	22214.0	22177.1	22144.8	22111.4	22128.7	22121.8	22111.4	22109.1	22109.1
2°	22177.1	22113.7	22041.1	21997.3	21943.1	21908.6	21850.9	21826.7	21855.6	21844.0	21810.6
3°	21965.0	21882.1	21797.9	21741.5	21675.8	21623.9	21572.0	21531.7	21596.2	21576.6	21512.1
4°	21680.4	21588.2	21490.2	21413.0	21346.1	21275.8	21292.0	21232.0	21200.9	21198.6	21212.4
5°	21351.9	21238.9	21132.9	21040.7	20942.7	20845.9	20863.2	20790.6	20767.6	20777.9	20812.5
6°	21002.7	20880.5	20756.0	20617.7	20486.3	20366.5	20358.4	20293.9	20290.4	20323.8	20413.7
7°	20667.3	20526.7	20353.8	20161.3	19983.8	19837.5	19807.5	19754.5	19746.4	19844.4	19998.8
8°	20351.5	20185.5	19950.4	19680.7	19437.5	19231.2	19194.3	19126.3	19159.8	19324.6	19560.9
9°	20033.4	19845.5	19534.3	19170.1	18833.6	18580.0	18507.4	18462.5	18530.5	18756.4	19096.4
10°	19723.4	19466.3	19096.4	18631.9	18199.7	17889.7	17773.3	17742.2	17865.5	18167.4	18583.5
11°	19360.3	19052.6	18607.7	18061.4	17542.8	17131.3	16994.2	16979.2	17147.4	17511.6	18010.7
12°	18899.3	18573.1	18087.9	17451.7	16855.8	16354.5	16145.9	16142.4	16381.0	16806.3	17363.0
13°	18369.1	18006.1	17471.3	16784.4	16110.2	15524.7	15265.3	15264.2	15559.2	16049.1	16651.9
14°	17758.3	17363.0	16764.8	16054.8	15332.2	14649.9	14322.6	14345.6	14686.8	15228.5	15858.9
15°	17096.7	16649.5	15984.5	15268.8	14467.8	13727.9	13359.1	13379.8	13767.1	14341.0	14988.7
16°	16387.9	15875.0	15131.7	14419.4	13551.5	12763.2	12363.3	12395.5	12796.6	13413.2	14050.6
17°	15660.7	15070.6	14266.1	13500.8	12608.8	11776.6	11378.1	11404.2	11803.1	12433.6	13090.5
18°	14947.2	14243.0	13359.1	12556.9	11636.0	10822.0	10402.5	10414.7	10793.3	11418.6	12094.7
19°	14176.2	13387.9	12420.9	11565.7	10624.2	9855.1	9435.0	9430.6	9773.9	10349.5	11047.4
20°	13354.4	12484.3	11455.2	10507.0	9654.1	8887.9	8486.2	8470.6	8783.6	9275.0	9963.6
21°	12434.7	11491.9	10412.8	9512.8	8684.2	7920.7	7530.7	7507.6	7784.2	8193.2	8811.6
22°	11387.8	10637.8	9368.3	8520.1	7693.1	6956.3	6586.4	6561.3	6796.5	7120.9	7671.3
23°	10215.5	9430.4	8323.7	7494.6	6719.2	6011.1	5659.8	5629.7	5837.1	6089.0	6561.5
24°	9041.2	8213.8	7266.4	6497.9	5769.8	5101.8	4770.5	4732.1	4906.5	5108.4	5517.7
25°	7866.9	7068.4	6235.5	5528.9	4864.2	4271.6	3975.7	3920.1	4049.8	4216.1	4563.9
26°	6678.7	5974.6	5252.8	4623.4	4034.7	3534.5	3286.5	3211.5	3298.2	3431.7	3707.5
27°	5477.1	4925.3	4342.9	3815.4	3320.9	2909.3	2810.5	2739.5	2800.3	2905.5	2998.6
28°	4373.0	3965.1	3527.9	3112.7	2708.6	2386.6	2334.6	2267.3	2302.5	2379.3	2537.4
29°	3466.9	3168.0	2864.1	2536.6	2223.8	1968.8	1859.4	1796.8	1809.5	1858.5	2076.3
30°	2716.2	2519.3	2310.5	2067.8	1829.8	1627.2	1550.9	1493.7	1497.4	1534.0	1617.6
31°	2141.6	2017.6	1875.3	1699.3	1516.9	1359.9	1305.6	1256.7	1258.2	1289.6	1345.1
32°	1701.4	1623.8	1542.4	1412.4	1274.0	1156.2	1115.8	1069.8	1074.0	1102.1	1138.9
33°	1388.6	1336.7	1284.3	1189.9	1082.0	1027.4	968.8	927.0	930.9	954.8	982.9
34°	1152.2	1119.9	1090.8	1055.3	962.7	900.0	857.3	815.5	817.0	842.2	864.9
35°	1016.4	993.8	977.0	920.9	844.4	772.7	768.9	728.2	727.8	752.3	774.9
36°	882.3	869.2	863.6	786.6	726.2	696.5	699.8	659.5	657.8	682.4	706.1
37°	748.2	744.6	750.2	704.2	654.2	635.6	644.2	604.0	599.9	624.6	651.3
38°	670.9	670.4	683.0	639.4	596.7	585.6	597.9	558.0	553.7	578.3	607.8
39°	609.7	610.5	630.1	585.6	549.6	543.9	560.6	520.9	515.3	540.4	573.0
40°	559.7	562.1	587.1	540.8	511.0	509.7	529.4	489.8	483.6	509.3	543.9
41°	519.1	522.3	551.6	505.5	478.9	480.9	503.2	463.7	456.9	483.3	519.7
42°	484.0	489.3	521.6	476.0	452.0	456.8	481.5	441.2	433.9	461.5	498.2
43°	454.4	461.3	495.7	450.8	428.0	435.4	462.5	422.0	414.5	442.8	479.3
44°	428.3	437.3	472.4	428.9	406.8	416.4	445.5	405.3	396.4	426.7	462.7

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CATALOG NUMBER: XSF100-SFTR-4Hx4V-840-Position 3

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	405.4	415.7	452.0	409.7	387.9	399.1	430.1	390.1	380.3	411.4	446.0
46°	384.6	396.3	433.3	393.0	371.1	383.6	415.2	375.2	365.5	396.3	428.3
47°	366.6	378.7	416.3	378.4	355.8	369.1	398.9	360.8	351.3	380.7	408.6
48°	349.9	362.4	400.2	364.4	341.6	354.1	382.3	346.7	338.0	365.3	388.9
49°	333.7	345.9	383.2	350.5	327.9	339.8	366.1	333.0	325.2	349.5	368.7
50°	318.3	329.8	365.3	336.7	314.9	325.6	349.2	319.3	312.5	334.0	348.9
51°	304.3	313.7	346.2	322.1	302.2	311.1	331.9	305.6	300.4	318.8	329.8
52°	291.1	298.0	327.0	307.6	289.7	296.2	315.1	292.4	288.2	303.5	311.2
53°	279.0	283.3	308.4	293.0	277.4	282.1	299.2	279.3	276.0	288.7	293.3
54°	267.0	268.5	290.1	278.7	265.3	268.3	283.3	267.0	264.2	274.0	276.3
55°	255.3	254.5	272.5	264.5	253.6	255.2	268.6	255.0	252.7	260.1	261.6
56°	243.8	241.1	255.6	250.4	242.3	243.3	256.2	243.0	241.3	246.3	247.3
57°	232.7	228.5	239.8	236.8	231.3	231.9	243.7	231.0	229.8	232.4	233.0
58°	221.1	216.3	226.1	223.4	220.5	221.0	231.3	219.8	219.4	218.9	220.3
59°	210.3	205.0	213.4	210.3	210.3	210.8	220.2	209.2	209.1	206.3	208.1
60°	199.1	193.9	200.8	197.3	199.6	200.9	209.3	199.0	198.8	194.3	196.4
61°	188.7	183.4	188.8	185.3	189.3	191.6	199.1	189.5	188.5	183.7	185.4
62°	178.7	173.7	178.0	174.8	179.8	182.5	190.9	180.8	178.8	174.4	176.5
63°	168.7	164.5	168.3	165.3	170.2	174.0	185.0	172.4	169.6	165.7	168.9
64°	159.1	156.2	160.5	156.6	161.0	165.6	179.2	164.2	160.5	157.3	161.9
65°	149.6	148.1	153.9	148.3	151.9	157.2	171.9	155.7	151.4	148.9	154.1
66°	140.2	140.2	147.2	140.0	142.6	149.1	164.2	147.3	142.0	140.8	144.7
67°	131.0	132.5	138.7	131.6	133.3	141.2	155.5	139.0	132.5	133.0	134.0
68°	121.8	124.2	128.2	123.3	123.5	132.4	146.0	130.2	122.5	124.8	122.8
69°	112.1	116.1	118.0	114.5	113.1	123.1	135.8	121.2	111.7	116.1	115.5
70°	102.8	107.0	109.0	105.3	103.3	113.9	128.0	112.0	100.9	107.0	123.4
71°	93.5	98.3	111.2	96.1	93.6	104.4	140.3	102.5	91.6	97.7	128.3
72°	84.2	89.6	113.6	86.9	83.8	94.8	128.3	93.1	83.0	88.3	118.6
73°	76.1	80.9	116.1	77.5	75.0	85.3	108.2	83.7	74.4	78.6	98.3
74°	68.5	71.9	96.3	68.8	66.7	76.3	90.9	74.8	66.3	69.3	83.7
75°	60.8	62.8	77.1	60.2	58.8	67.5	78.3	66.6	58.7	60.9	73.0
76°	53.6	54.6	63.8	52.2	51.4	58.8	68.8	59.2	51.2	52.6	63.3
77°	46.4	46.8	53.8	44.8	44.4	50.1	60.7	51.2	44.3	44.5	54.7
78°	39.3	38.8	45.6	37.7	37.7	42.0	53.2	43.0	37.5	37.0	46.3
79°	32.4	31.3	38.0	30.8	31.3	34.5	45.6	35.5	31.2	30.8	39.1
80°	25.9	24.6	30.6	24.6	25.4	27.9	38.0	29.5	25.8	24.5	31.9
81°	20.2	18.8	23.2	19.0	19.9	21.9	31.0	23.4	20.3	18.3	25.7
82°	14.8	13.7	17.1	13.9	15.1	16.8	25.0	17.4	14.9	13.8	19.5
83°	11.8	11.0	11.7	10.9	11.5	12.9	19.0	13.4	11.8	10.8	13.4
84°	8.9	8.3	7.8	7.9	9.0	9.8	13.1	11.0	9.4	8.7	9.5
85°	5.9	5.6	3.9	4.9	6.5	6.8	8.1	8.2	6.7	6.1	5.6
86°	1.3	1.3	1.3	2.2	2.9	3.8	4.2	4.4	3.5	3.2	2.6
87°	0.3	0.3	0.3	0.5	0.8	1.2	1.7	1.4	1.1	1.3	1.1
88°	0.2	0.2	0.2	0.2	0.2	0.3	0.5	0.5	0.5	0.5	0.5
89°	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2

REPORT NUMBER: P1440309

CATALOG NUMBER: XSF100-SFTR-4Hx4V-840-Position 3

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1440309

CATALOG NUMBER: XSF100-SFTR-4Hx4V-840-Position 3

CANDELA DISTRIBUTION (continued):

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



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CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1440309

CATALOG NUMBER: XSF100-SFTR-4Hx4V-840-Position 3

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	22275.1	22275.1	22275.1	22275.1	22275.1	22275.1	22275.1	22275.1	22275.1	22275.1	22275.1
1°	22140.2	22156.4	22195.6	22229.0	22267.0	22298.1	22325.8	22359.2	22381.1	22389.2	22381.1
2°	21842.9	21874.0	21940.8	22084.9	22177.1	22269.3	22344.2	22408.8	22438.7	22436.4	22390.3
3°	21545.5	21591.6	21686.1	21838.3	21965.0	22164.4	22308.5	22398.4	22441.0	22414.5	22312.0
4°	21247.0	21309.3	21430.3	21590.5	21754.1	21982.3	22220.9	22345.4	22394.9	22331.6	22171.3
5°	20880.5	20953.1	21077.6	21270.1	21542.1	21800.2	22096.4	22257.8	22301.6	22176.0	21960.4
6°	20505.9	20606.2	20735.3	20933.5	21237.8	21615.8	21863.6	22106.8	22137.9	21985.8	21710.3
7°	20144.0	20270.8	20420.6	20618.9	20927.8	21309.3	21629.7	21880.9	21920.1	21732.2	21423.4
8°	19779.8	19949.3	20115.2	20312.3	20599.3	20991.2	21395.7	21602.0	21634.3	21434.9	21106.4
9°	19394.9	19601.2	19792.5	20002.3	20272.0	20626.9	21028.0	21251.6	21275.8	21075.3	20769.9
10°	18955.8	19207.0	19437.5	19679.6	19915.8	20221.3	20590.1	20816.0	20867.8	20666.1	20416.0
11°	18441.7	18728.7	19015.7	19313.1	19541.3	19764.9	20086.4	20295.0	20345.7	20198.2	20039.2
12°	17851.6	18165.1	18497.1	18871.6	19114.8	19254.3	19506.7	19688.8	19766.0	19684.2	19643.8
13°	17175.1	17501.3	17890.8	18355.3	18634.2	18689.5	18861.3	19013.4	19112.5	19099.8	19179.4
14°	16421.3	16764.8	17198.2	17758.3	18068.3	18075.2	18172.0	18275.8	18395.6	18461.3	18669.9
15°	15610.0	16024.9	16462.8	17065.6	17419.4	17401.0	17417.1	17462.1	17605.0	17781.3	18084.5
16°	14765.1	15263.0	15710.2	16288.8	16662.2	16628.8	16602.3	16578.1	16759.0	17035.6	17424.1
17°	13915.7	14516.2	14955.3	15464.7	15826.6	15808.2	15719.4	15626.1	15854.3	16228.9	16654.2
18°	13005.2	13727.9	14188.9	14580.7	14880.4	14890.8	14761.7	14599.2	14845.8	15329.9	15773.6
19°	12012.9	12860.0	13346.4	13658.7	13861.6	13904.2	13696.7	13517.0	13798.2	14366.4	14815.9
20°	10946.0	11863.1	12410.5	12644.5	12754.0	12826.6	12620.3	12390.9	12682.5	13304.9	13741.7
21°	9782.4	10760.9	11319.6	11540.4	11589.9	11700.6	11458.6	11256.4	11555.3	12182.3	12618.0
22°	8584.7	9541.4	10132.4	10330.4	10381.9	10528.1	10320.5	10115.6	10419.4	11030.5	11444.9
23°	7378.2	8282.6	8860.7	9063.5	9137.4	9325.8	9141.5	8974.7	9283.1	9852.0	10222.5
24°	6216.9	7007.0	7572.2	7789.6	7898.3	8140.7	7989.8	7833.9	8146.7	8673.0	8999.7
25°	5114.2	5769.8	6297.3	6554.4	6706.6	6957.9	6852.4	6703.2	7027.6	7493.9	7776.9
26°	4127.0	4636.2	5113.8	5403.4	5589.6	5822.4	5723.4	5609.9	5925.1	6373.3	6611.4
27°	3291.9	3658.3	4071.6	4396.9	4571.7	4754.4	4677.0	4572.5	4865.8	5278.3	5512.2
28°	2751.3	3039.7	3190.8	3495.5	3678.0	3790.2	3724.3	3655.5	3903.2	4269.1	4495.7
29°	2210.8	2421.1	2660.1	2925.4	2929.4	2990.5	2937.8	2890.8	3081.8	3385.7	3602.7
30°	1674.6	1804.5	2129.2	2355.1	2407.0	2433.7	2400.8	2291.1	2418.6	2649.3	2832.8
31°	1371.6	1465.5	1606.9	1791.4	1885.2	1879.9	1864.2	1838.0	1922.2	2082.6	2236.4
32°	1144.0	1210.9	1315.4	1462.0	1530.9	1518.2	1507.1	1498.4	1552.4	1657.1	1773.8
33°	976.6	1022.3	1103.9	1219.5	1268.0	1245.5	1243.5	1247.5	1280.9	1345.2	1431.3
34°	851.0	881.4	942.3	1039.6	1067.4	1046.0	1049.0	1054.9	1079.3	1117.5	1177.8
35°	752.7	772.7	821.8	904.3	917.3	895.3	903.0	934.4	960.7	988.0	1036.5
36°	678.5	689.8	730.2	804.2	802.6	782.7	792.6	814.8	843.2	859.8	896.5
37°	618.0	625.2	657.4	726.5	715.3	697.1	708.5	733.6	725.7	731.5	756.4
38°	569.8	573.2	600.6	667.4	647.2	629.1	640.9	671.9	658.1	658.4	677.7
39°	530.3	531.4	555.4	620.8	593.2	576.7	587.1	621.0	603.0	599.1	616.2
40°	498.2	496.4	518.6	583.2	549.5	532.4	542.8	579.5	557.8	550.6	566.2
41°	471.3	467.1	488.0	551.9	513.7	496.4	506.4	545.1	520.7	510.0	526.2
42°	448.5	441.7	462.6	524.9	484.8	465.5	475.3	516.7	488.5	475.5	492.6
43°	429.0	420.0	440.9	501.1	460.3	439.5	448.7	492.9	461.2	446.4	464.7
44°	411.7	400.7	422.1	480.2	438.9	416.7	426.0	472.0	437.7	421.2	441.0

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CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	395.9	383.7	405.9	461.6	420.1	396.2	405.8	454.1	417.5	399.6	420.5
46°	380.7	367.8	391.1	444.2	403.6	377.8	388.4	437.8	399.2	379.6	402.3
47°	365.1	352.6	376.3	427.3	388.3	361.1	372.5	422.7	382.9	361.9	386.1
48°	349.3	338.6	361.4	409.2	373.7	345.9	358.8	408.6	368.3	346.3	371.4
49°	333.8	325.2	346.5	389.1	358.5	332.0	346.4	394.4	355.2	332.5	358.0
50°	318.3	312.1	331.6	369.1	342.8	318.6	333.3	379.0	343.1	319.2	345.2
51°	303.1	299.7	317.1	348.6	327.1	305.5	320.4	361.7	329.5	306.6	332.0
52°	288.1	287.0	302.5	328.8	311.5	292.7	306.6	344.2	315.3	294.1	318.2
53°	273.6	275.1	287.5	309.7	295.7	280.5	293.3	325.7	301.3	282.1	304.3
54°	260.2	263.9	273.2	290.9	279.9	268.2	280.0	307.2	287.3	270.5	289.6
55°	247.2	252.3	259.3	272.6	264.4	256.3	267.0	288.6	272.6	258.5	274.7
56°	234.3	240.8	245.4	257.2	250.5	244.4	254.0	271.3	258.6	246.7	259.1
57°	222.9	229.3	231.6	241.7	236.6	232.5	241.0	254.9	244.7	235.1	244.4
58°	211.7	218.8	218.6	226.3	222.7	221.3	228.1	240.8	232.0	223.7	230.5
59°	200.3	208.3	205.3	213.2	210.4	210.5	216.1	228.0	219.8	212.7	217.1
60°	189.6	198.1	192.5	200.4	198.1	199.8	204.2	216.3	207.9	201.9	203.7
61°	180.0	188.1	181.4	188.3	186.7	189.8	193.2	204.7	196.3	191.4	190.6
62°	171.7	178.3	172.0	178.2	176.2	180.0	183.0	194.0	185.5	181.3	178.4
63°	163.8	168.7	163.8	169.5	166.8	170.5	174.3	185.2	176.0	171.4	167.8
64°	156.0	159.3	156.1	162.9	158.1	161.2	166.4	179.1	167.5	162.1	158.7
65°	148.3	149.5	148.4	156.3	150.2	152.3	158.8	174.9	159.3	153.3	150.6
66°	140.2	140.2	140.7	148.9	142.2	143.2	151.2	170.0	151.5	144.3	142.7
67°	132.0	131.1	132.9	139.9	134.3	134.2	143.0	163.5	143.3	135.5	134.9
68°	123.5	121.5	124.6	129.3	126.7	125.0	134.9	155.8	135.6	126.4	127.2
69°	114.8	111.1	115.9	119.2	118.6	115.3	126.7	146.9	127.5	117.2	119.1
70°	105.9	101.1	107.2	113.9	109.9	105.2	118.1	137.1	119.0	106.8	110.7
71°	97.0	92.3	98.5	115.8	101.0	95.7	109.1	127.1	110.5	97.8	101.7
72°	87.9	84.1	89.6	121.1	91.9	87.1	99.8	126.2	101.2	88.9	92.6
73°	78.8	76.4	80.7	107.5	82.6	78.6	90.2	122.2	91.8	80.1	83.6
74°	69.9	68.7	71.7	87.6	73.4	70.2	80.9	104.0	82.5	71.7	74.5
75°	61.6	61.1	62.9	74.0	64.6	62.4	72.1	88.6	73.0	63.6	65.5
76°	53.6	53.7	55.0	63.1	56.1	54.9	63.4	73.3	64.4	56.0	57.0
77°	45.9	46.7	47.3	54.5	47.9	47.7	55.8	62.9	56.7	48.7	49.2
78°	38.6	39.8	39.7	46.6	40.1	40.9	48.0	54.2	48.2	41.7	41.7
79°	31.9	33.5	32.7	39.5	32.8	34.4	40.2	46.2	39.8	35.0	34.3
80°	26.5	27.9	27.1	32.6	27.1	28.7	32.8	38.8	32.3	28.8	27.7
81°	21.0	22.4	21.5	26.5	21.3	22.9	27.1	31.8	25.6	23.0	21.9
82°	15.6	16.9	16.0	20.4	15.5	17.2	21.3	25.3	19.8	17.7	16.4
83°	13.5	14.6	13.6	14.3	12.2	13.3	15.6	19.6	14.9	13.2	11.6
84°	12.9	14.3	13.3	10.7	11.2	11.6	13.0	14.2	12.5	10.5	9.1
85°	10.3	11.3	10.8	6.7	9.2	9.7	10.8	10.2	9.1	7.8	6.5
86°	5.4	5.8	6.2	3.4	5.7	6.4	7.1	6.2	5.8	5.1	3.8
87°	1.5	1.5	1.9	1.4	2.3	2.0	2.5	2.3	2.5	1.8	1.1
88°	0.6	0.6	0.7	0.6	0.7	0.7	1.0	0.8	0.7	0.5	0.3
89°	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1

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CATALOG NUMBER: XSF100-SFTR-4Hx4V-840-Position 3

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1440309

CATALOG NUMBER: XSF100-SFTR-4Hx4V-840-Position 3

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P1440309
CATALOG NUMBER: XSF100-SFTR-4Hx4V-840-Position 3

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1440309

CATALOG NUMBER: XSF100-SFTR-4Hx4V-840-Position 3

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	22275.1	22275.1	22275.1
1°	22354.6	22321.2	22283.1
2°	22325.8	22250.9	22177.1
3°	22201.3	22078.0	21965.0
4°	21989.2	21815.2	21680.4
5°	21726.5	21516.7	21351.9
6°	21416.4	21172.1	21002.7
7°	21097.2	20843.6	20667.3
8°	20787.2	20532.4	20351.5
9°	20466.7	20235.1	20033.4
10°	20162.5	19934.3	19723.4
11°	19846.7	19608.1	19360.3
12°	19503.2	19216.2	18899.3
13°	19083.7	18736.8	18369.1
14°	18582.3	18170.9	17758.3
15°	18004.9	17547.4	17096.7
16°	17338.8	16875.4	16387.9
17°	16603.4	16154.0	15660.7
18°	15801.3	15409.4	14947.2
19°	14934.6	14656.8	14176.2
20°	13960.7	13848.9	13354.4
21°	12952.2	12959.1	12434.7
22°	11842.3	11950.7	11387.8
23°	10692.1	10830.4	10215.5
24°	9452.1	9589.0	9041.2
25°	8211.5	8347.0	7866.9
26°	6971.0	7104.9	6678.7
27°	5793.9	5870.0	5477.1
28°	4696.1	4687.1	4373.0
29°	3738.6	3680.3	3466.9
30°	2925.8	2861.3	2716.2
31°	2294.9	2230.0	2141.6
32°	1817.9	1765.3	1701.4
33°	1462.0	1424.0	1388.6
34°	1206.9	1176.0	1152.2
35°	1066.9	1036.6	1016.4
36°	928.9	898.7	882.3
37°	790.8	760.8	748.2
38°	714.6	683.2	670.9
39°	658.2	621.6	609.7
40°	612.0	571.4	559.7
41°	576.3	531.1	519.1
42°	546.2	497.0	484.0
43°	520.7	468.1	454.4
44°	497.7	442.9	428.3

REPORT NUMBER: P1440309

CATALOG NUMBER: XSF100-SFTR-4Hx4V-840-Position 3

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	476.7	420.8	405.4
46°	456.9	400.8	384.6
47°	438.8	382.9	366.6
48°	421.7	367.6	349.9
49°	405.0	353.0	333.7
50°	388.1	339.0	318.3
51°	370.6	325.3	304.3
52°	351.0	311.2	291.1
53°	330.9	297.5	279.0
54°	310.3	283.7	267.0
55°	290.3	269.7	255.3
56°	270.3	255.6	243.8
57°	252.3	241.3	232.7
58°	235.6	227.1	221.1
59°	220.6	212.8	210.3
60°	207.8	199.4	199.1
61°	195.3	186.8	188.7
62°	183.2	175.2	178.7
63°	172.4	165.1	168.7
64°	163.6	156.5	159.1
65°	155.9	148.5	149.6
66°	149.7	141.0	140.2
67°	143.0	133.3	131.0
68°	133.3	125.2	121.8
69°	122.5	117.1	112.1
70°	112.8	108.5	102.8
71°	112.0	99.7	93.5
72°	111.5	91.0	84.2
73°	111.0	82.2	76.1
74°	100.9	73.7	68.5
75°	82.5	65.3	60.8
76°	67.8	56.5	53.6
77°	57.1	48.5	46.4
78°	48.2	40.9	39.3
79°	40.3	33.2	32.4
80°	32.7	26.3	25.9
81°	25.2	20.1	20.2
82°	18.8	14.7	14.8
83°	13.3	12.0	11.8
84°	9.5	9.3	8.9
85°	5.8	6.6	5.9
86°	2.0	1.9	1.3
87°	0.4	0.4	0.3
88°	0.2	0.2	0.2
89°	0.1	0.1	0.1

REPORT NUMBER: P1440309

CATALOG NUMBER: XSF100-SFTR-4Hx4V-840-Position 3

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1440309

CATALOG NUMBER: XSF100-SFTR-4Hx4V-840-Position 3

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1440309

CATALOG NUMBER: XSF100-SFTR-4Hx4V-840-Position 3

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)