

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: P1440311

Luminaire Tested: XSF100-SFTR-4Hx4V-850-Position 1

Issue Date: 04/15/2026

Test Information

Test Method: LM-79-2024
Report Number: P1440311
Test Lab: THIRD PARTY NVLAP
Issue Date: 7/15/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XSF100-SFTR-4Hx4V-850-Position 1
Description: LUMARK ALL SELECTABLE LUMINAIRE 100W w/ NEMA 4 FLOOD DISTRIBUTION 5000K CCT
80 CRI LIGHT ENGINE AT Position 1
Light Source: (1) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16912.8 lumens
Efficiency: N/A
Efficacy: 155.2 lumens/watt
Luminous Opening: Rectangular (W 0.4' x L: 0.4' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 109
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

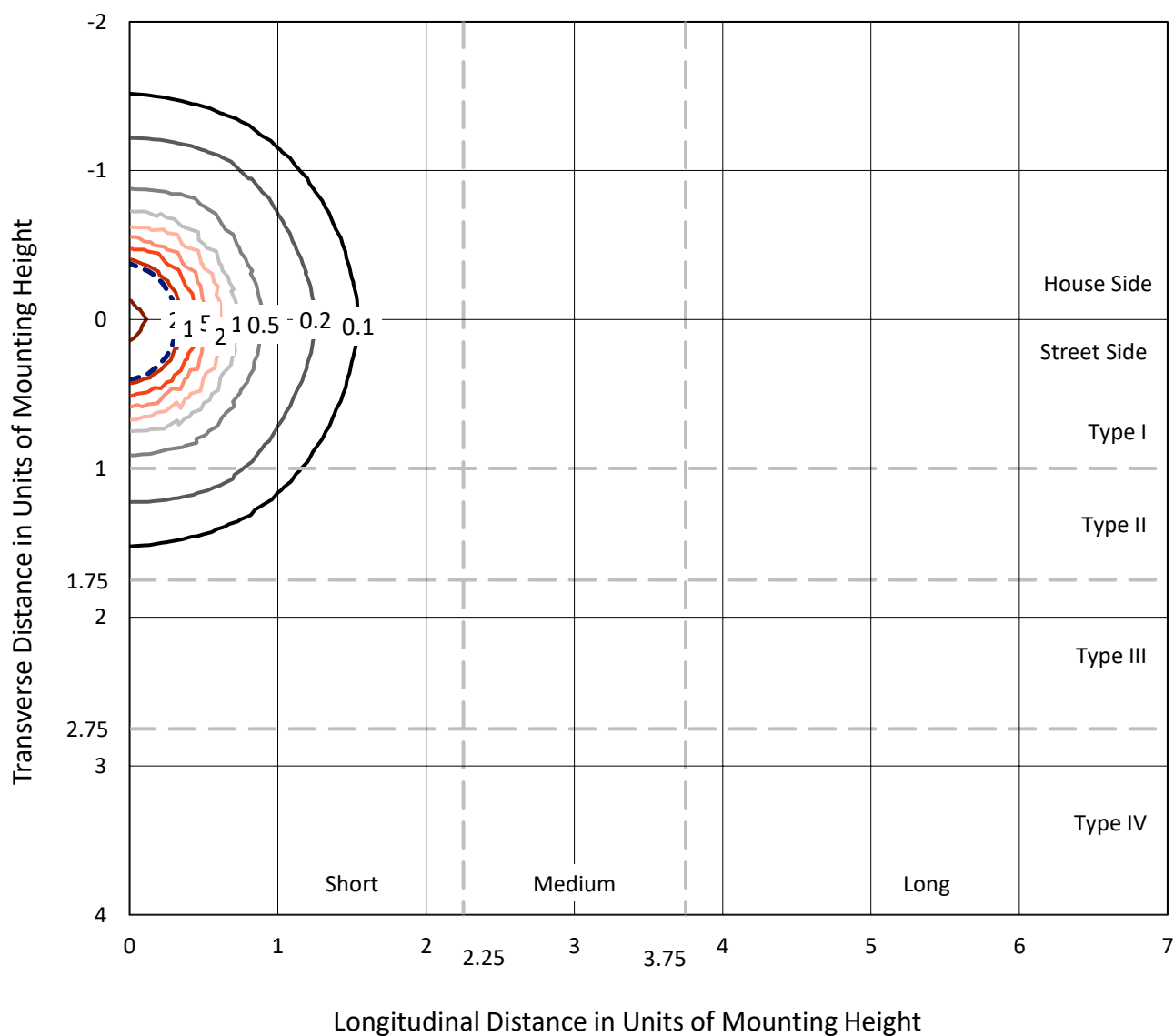
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



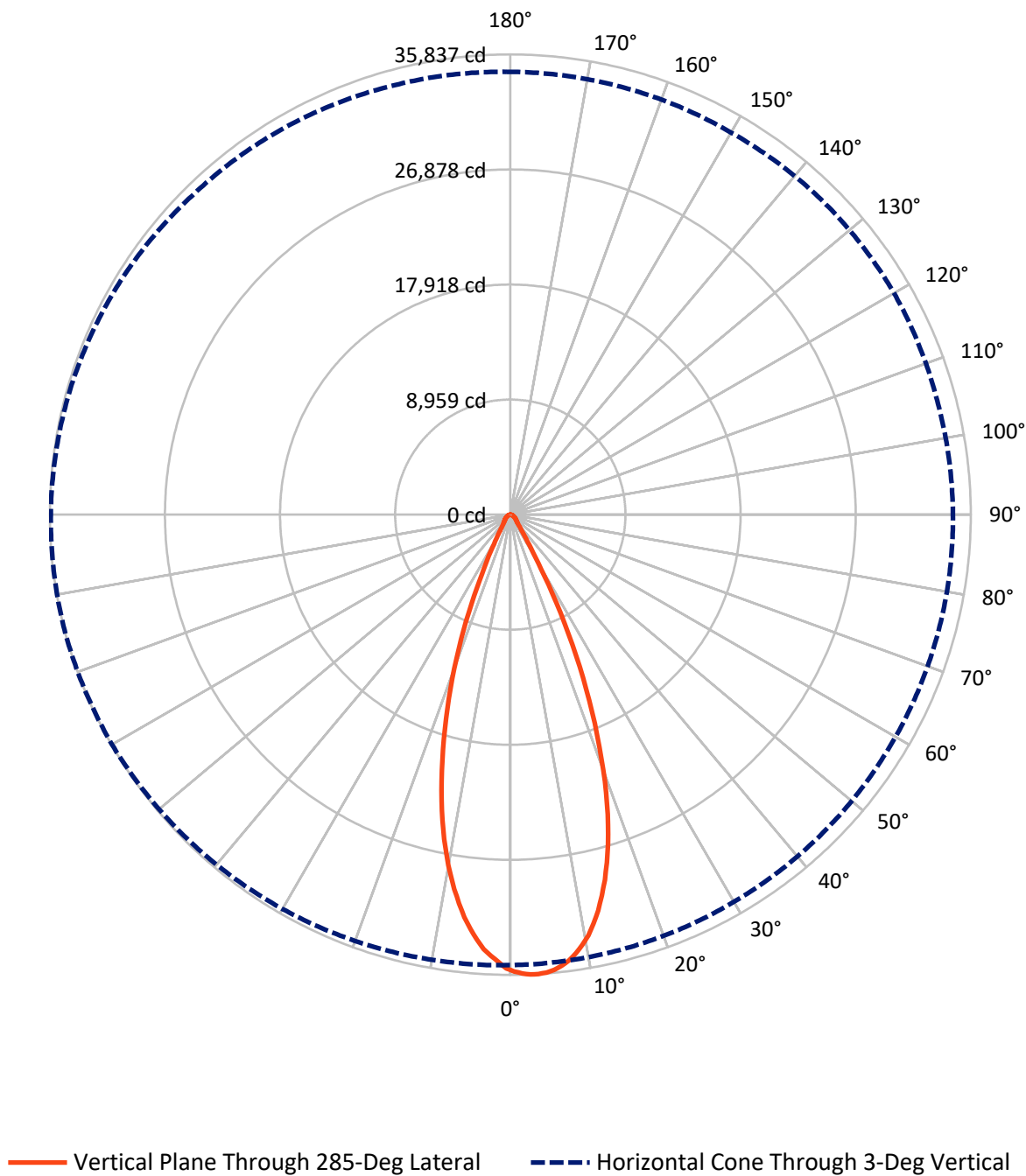
Based on 25 foot mounting height. Maximum calculated value = 56.9 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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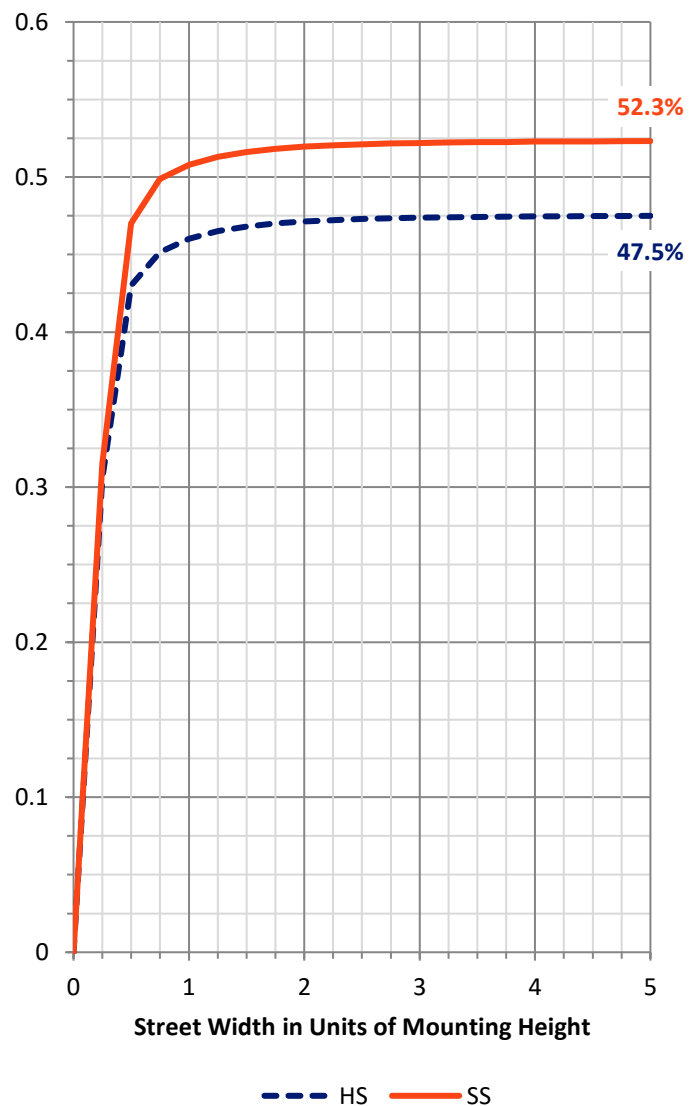
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8144.9	0.0	8144.9
	% Fixture	48.2	0.0	48.2
Street Side	Lumens	8767.9	0.0	8767.9
	% Fixture	51.8	0.0	51.8
Total	Lumens	16912.8	0.0	16912.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3149.7	18.6
10°-20°	7003.6	41.4
20°-30°	4485.3	26.5
30°-40°	999.4	5.9
40°-50°	520.2	3.1
50°-60°	378.3	2.2
60°-70°	243.7	1.4
70°-80°	116.5	0.7
80°-90°	16.1	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°	16912.8	100.0
0°-180°	16912.8	100.0

Coefficient of Utilization



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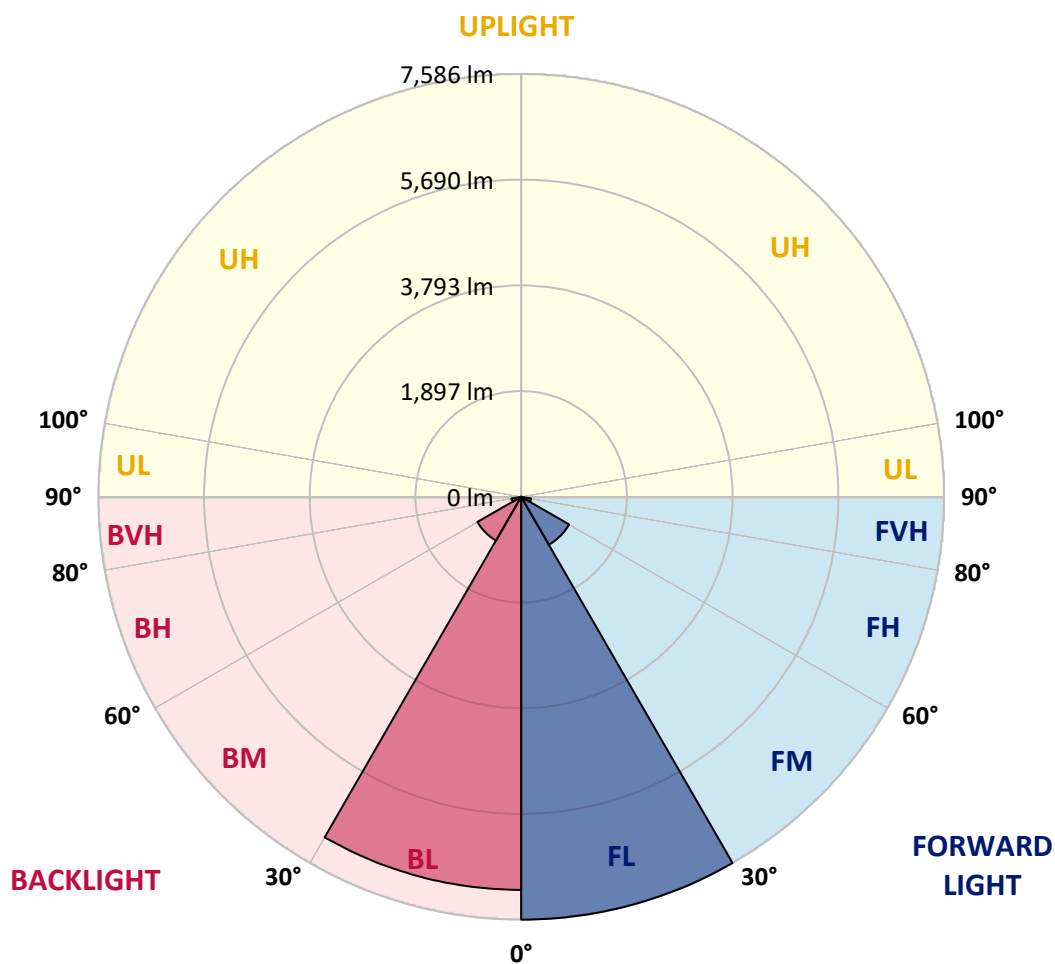
CATALOG NUMBER: XSF100-SFTR-4Hx4V-850-Position 1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	7586.0	44.9			
FM	(30°-60°)	993.5	5.9			
FH	(60°-80°)	180.8	1.1			G0/660
FVH	(80°-90°)	7.6	0.0			G0/10
BL	(0°-30°)	7052.6	41.7	B5		
BM	(30°-60°)	904.4	5.3	B1/1000		
BH	(60°-80°)	179.4	1.1	B1/500		G1/500
BVH	(80°-90°)	8.5	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°	35571.9	35571.9	35571.9	35571.9	35571.9	35571.9	35571.9	35571.9	35571.9	35571.9	35571.9
1°	35584.7	35542.4	35474.3	35415.4	35363.9	35310.5	35338.1	35327.1	35310.5	35306.8	35306.8
2°	35415.4	35314.2	35198.2	35128.3	35041.8	34986.6	34894.5	34855.9	34901.9	34883.5	34830.1
3°	35076.8	34944.2	34809.9	34719.7	34614.8	34532.0	34449.1	34384.7	34487.8	34456.5	34353.4
4°	34622.1	34474.9	34318.5	34195.1	34088.4	33976.1	34001.9	33906.2	33856.5	33852.8	33874.9
5°	34097.6	33917.2	33747.9	33600.7	33444.2	33289.6	33317.2	33201.3	33164.5	33181.0	33236.2
6°	33539.9	33344.8	33146.0	32925.2	32715.4	32523.9	32511.1	32408.0	32402.5	32455.8	32599.4
7°	33004.3	32779.8	32503.7	32196.3	31912.9	31679.1	31631.3	31546.6	31533.7	31690.2	31936.8
8°	32500.0	32235.0	31859.5	31428.8	31040.5	30711.0	30652.1	30543.5	30596.9	30860.1	31237.4
9°	31992.0	31692.0	31195.1	30613.5	30076.0	29671.1	29555.2	29483.4	29592.0	29952.7	30495.7
10°	31496.9	31086.5	30495.7	29754.0	29063.8	28568.7	28382.8	28333.1	28530.0	29012.2	29676.7
11°	30917.2	30425.7	29715.3	28842.9	28014.7	27357.6	27138.6	27114.6	27383.4	27965.0	28761.9
12°	30181.0	29660.1	28885.2	27869.3	26917.7	26117.1	25783.9	25778.4	26159.4	26838.6	27727.5
13°	29334.3	28754.5	27900.5	26803.6	25726.9	24791.9	24377.8	24375.9	24847.1	25629.3	26591.9
14°	28358.8	27727.5	26772.3	25638.5	24484.5	23394.9	22872.2	22909.0	23453.8	24318.9	25325.6
15°	27302.4	26588.2	25526.3	24383.3	23104.1	21922.5	21333.5	21366.7	21985.1	22901.7	23936.0
16°	26170.4	25351.4	24164.3	23026.8	21640.9	20382.0	19743.3	19794.9	20435.4	21420.0	22437.9
17°	25009.1	24066.7	22782.0	21559.9	20135.4	18806.5	18170.0	18211.8	18848.8	19855.6	20904.7
18°	23869.8	22745.2	21333.5	20052.5	18582.0	17282.0	16612.0	16631.6	17236.2	18234.8	19314.5
19°	22638.5	21379.6	19835.4	18469.7	16966.2	15738.0	15067.1	15060.1	15608.2	16527.6	17642.0
20°	21326.2	19936.6	18293.2	16779.0	15417.0	14193.4	13552.0	13527.0	14026.8	14811.6	15911.2
21°	19857.4	18351.9	16628.6	15191.3	13868.2	12648.8	12026.0	11989.2	12430.9	13083.9	14071.6
22°	18185.5	16987.9	14960.5	13606.1	12285.3	11108.7	10518.1	10477.9	10853.6	11371.7	12250.5
23°	16313.5	15059.7	13292.5	11968.4	10730.1	9599.3	9038.3	8990.2	9321.5	9723.7	10478.3
24°	14438.2	13116.9	11604.0	10376.7	9214.0	8147.3	7618.1	7556.8	7835.3	8157.8	8811.3
25°	12562.9	11287.8	9957.6	8829.4	7767.8	6821.5	6348.9	6260.2	6467.2	6732.8	7288.3
26°	10665.5	9541.1	8388.4	7383.3	6443.1	5644.3	5248.3	5128.6	5267.0	5480.2	5920.6
27°	8746.6	7865.3	6935.3	6092.9	5303.3	4646.0	4488.1	4374.7	4471.9	4640.0	4788.5
28°	6983.3	6332.0	5633.9	4970.7	4325.4	3811.2	3728.2	3620.7	3677.0	3799.6	4052.1
29°	5536.5	5059.1	4573.7	4050.8	3551.3	3144.0	2969.3	2869.4	2889.6	2967.8	3315.7
30°	4337.6	4023.2	3689.7	3302.1	2922.0	2598.5	2476.6	2385.3	2391.2	2449.7	2583.2
31°	3420.1	3222.0	2994.7	2713.7	2422.3	2171.6	2084.9	2006.9	2009.3	2059.4	2148.1
32°	2717.0	2593.1	2463.2	2255.6	2034.5	1846.4	1781.9	1708.5	1715.1	1759.9	1818.7
33°	2217.5	2134.6	2050.9	1900.2	1727.8	1640.7	1547.1	1480.3	1486.5	1524.8	1569.7
34°	1840.0	1788.4	1741.9	1685.2	1537.3	1437.3	1369.1	1302.2	1304.8	1344.9	1381.2
35°	1623.2	1587.0	1560.1	1470.7	1348.5	1233.9	1227.9	1162.9	1162.3	1201.3	1237.4
36°	1409.0	1388.1	1379.1	1256.1	1159.6	1112.3	1117.5	1053.1	1050.4	1089.7	1127.7
37°	1194.8	1189.1	1198.0	1124.6	1044.8	1015.0	1028.7	964.6	958.0	997.5	1040.0
38°	1071.4	1070.6	1090.8	1021.0	952.9	935.2	954.8	891.2	884.2	923.5	970.6
39°	973.7	975.0	1006.2	935.1	877.6	868.6	895.3	831.8	822.9	862.9	915.0
40°	893.8	897.6	937.6	863.6	816.0	813.9	845.4	782.1	772.2	813.3	868.6
41°	829.0	834.1	880.9	807.3	764.8	767.9	803.6	740.5	729.6	771.8	829.9
42°	772.9	781.4	833.0	760.1	721.8	729.4	768.9	704.5	692.9	736.9	795.5
43°	725.6	736.7	791.6	720.0	683.5	695.3	738.6	674.0	661.9	707.2	765.4
44°	684.0	698.4	754.5	685.0	649.6	664.9	711.4	647.3	633.1	681.4	738.9

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CATALOG NUMBER: XSF100-SFTR-4Hx4V-850-Position 1

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	647.5	663.8	721.9	654.3	619.4	637.4	686.8	622.9	607.3	656.9	712.2
46°	614.3	632.9	692.0	627.5	592.6	612.6	663.0	599.2	583.6	632.9	683.9
47°	585.4	604.8	664.8	604.2	568.2	589.4	637.0	576.2	561.0	608.0	652.5
48°	558.7	578.7	639.2	581.9	545.5	565.5	610.5	553.7	539.8	583.3	621.0
49°	532.9	552.4	612.0	559.8	523.6	542.7	584.6	531.7	519.3	558.2	588.8
50°	508.3	526.7	583.3	537.7	502.9	520.0	557.7	509.8	499.0	533.3	557.2
51°	485.9	500.9	552.8	514.3	482.6	496.8	530.1	488.0	479.8	509.1	526.6
52°	464.8	475.9	522.2	491.2	462.6	473.1	503.1	467.0	460.2	484.7	496.9
53°	445.5	452.4	492.5	467.9	443.0	450.5	477.7	446.0	440.8	461.0	468.4
54°	426.4	428.8	463.3	445.0	423.7	428.4	452.3	426.3	421.9	437.6	441.2
55°	407.8	406.5	435.1	422.4	405.0	407.5	429.0	407.2	403.6	415.4	417.7
56°	389.3	385.0	408.1	399.9	386.9	388.5	409.1	388.0	385.3	393.2	394.8
57°	371.6	365.0	383.0	378.1	369.4	370.4	389.2	368.8	367.0	371.1	372.1
58°	353.0	345.5	361.1	356.7	352.2	353.0	369.3	351.0	350.3	349.6	351.8
59°	335.8	327.4	340.7	335.8	335.8	336.6	351.6	334.1	333.9	329.5	332.3
60°	318.0	309.7	320.7	315.1	318.8	320.8	334.3	317.7	317.5	310.3	313.7
61°	301.3	293.0	301.5	296.0	302.3	306.0	318.0	302.6	301.0	293.4	296.1
62°	285.4	277.3	284.2	279.1	287.1	291.4	304.9	288.7	285.6	278.6	281.9
63°	269.4	262.7	268.8	263.9	271.8	277.8	295.5	275.4	270.9	264.6	269.7
64°	254.0	249.5	256.4	250.1	257.1	264.4	286.1	262.3	256.3	251.2	258.6
65°	238.9	236.4	245.7	236.8	242.5	251.1	274.6	248.7	241.8	237.8	246.1
66°	223.9	223.9	235.1	223.6	227.7	238.1	262.2	235.2	226.8	224.9	231.1
67°	209.3	211.5	221.5	210.1	212.8	225.4	248.3	222.0	211.6	212.3	214.0
68°	194.6	198.4	204.8	197.0	197.2	211.4	233.2	208.0	195.6	199.3	196.2
69°	179.1	185.4	188.4	182.8	180.7	196.5	216.8	193.5	178.4	185.3	184.4
70°	164.2	170.9	174.0	168.1	165.0	181.9	204.4	178.8	161.2	170.9	197.1
71°	149.3	157.0	177.6	153.4	149.4	166.7	224.0	163.7	146.2	156.1	204.9
72°	134.4	143.1	181.5	138.7	133.8	151.4	205.0	148.6	132.5	141.0	189.4
73°	121.5	129.2	185.3	123.8	119.8	136.2	172.8	133.7	118.8	125.4	156.9
74°	109.3	114.8	153.7	109.9	106.6	121.8	145.2	119.4	105.9	110.6	133.7
75°	97.1	100.2	123.1	96.1	93.9	107.8	125.0	106.4	93.7	97.3	116.6
76°	85.6	87.3	101.9	83.4	82.1	93.9	109.9	94.6	81.8	84.1	101.2
77°	74.1	74.7	85.9	71.6	70.9	80.0	96.9	81.8	70.7	71.1	87.3
78°	62.7	62.0	72.7	60.2	60.1	67.0	85.0	68.7	59.9	59.1	74.0
79°	51.7	50.0	60.7	49.2	50.0	55.1	72.8	56.7	49.9	49.1	62.4
80°	41.4	39.4	48.8	39.2	40.6	44.5	60.7	47.0	41.2	39.1	50.9
81°	32.2	30.0	37.1	30.4	31.9	35.0	49.6	37.4	32.5	29.2	41.0
82°	23.7	21.9	27.3	22.2	24.1	26.8	40.0	27.7	23.8	22.1	31.2
83°	18.9	17.5	18.7	17.3	18.4	20.5	30.4	21.5	18.8	17.3	21.3
84°	14.2	13.3	12.4	12.6	14.4	15.7	20.8	17.6	15.0	13.9	15.2
85°	9.5	9.0	6.2	7.8	10.4	10.8	13.0	13.0	10.8	9.7	9.0
86°	2.0	2.1	2.1	3.5	4.6	6.0	6.8	7.1	5.7	5.1	4.2
87°	0.5	0.5	0.5	0.8	1.4	2.0	2.7	2.3	1.8	2.0	1.8
88°	0.3	0.3	0.3	0.3	0.4	0.5	0.8	0.8	0.8	0.8	0.8
89°	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.3



REPORT NUMBER: P1440311

CATALOG NUMBER: XSF100-SFTR-4Hx4V-850-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: P1440311

CATALOG NUMBER: XSF100-SFTR-4Hx4V-850-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: P1440311

CATALOG NUMBER: XSF100-SFTR-4Hx4V-850-Position 1

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	35571.9	35571.9	35571.9	35571.9	35571.9	35571.9	35571.9	35571.9	35571.9	35571.9	35571.9
1°	35356.5	35382.3	35444.9	35498.2	35559.0	35608.7	35652.8	35706.2	35741.2	35754.1	35741.2
2°	34881.7	34931.4	35038.1	35268.2	35415.4	35562.7	35682.3	35785.4	35833.2	35829.5	35755.9
3°	34406.8	34480.4	34631.4	34874.3	35076.8	35395.2	35625.2	35768.8	35836.9	35794.6	35630.8
4°	33930.1	34029.5	34222.8	34478.6	34739.9	35104.4	35485.4	35684.1	35763.3	35662.0	35406.2
5°	33344.8	33460.8	33659.6	33966.9	34401.3	34813.6	35286.6	35544.3	35614.2	35413.6	35069.4
6°	32746.7	32906.8	33112.9	33429.5	33915.4	34519.1	34914.8	35303.1	35352.8	35109.9	34670.0
7°	32168.7	32371.2	32610.5	32927.0	33420.3	34029.5	34541.2	34942.4	35005.0	34705.0	34211.7
8°	31587.1	31857.7	32122.7	32437.4	32895.7	33521.5	34167.5	34497.0	34548.5	34230.1	33705.6
9°	30972.4	31301.8	31607.4	31942.3	32373.0	32939.9	33580.4	33937.5	33976.1	33655.9	33168.1
10°	30271.1	30672.4	31040.5	31427.0	31804.3	32292.0	32881.0	33241.8	33324.6	33002.5	32603.1
11°	29450.3	29908.6	30366.9	30841.7	31206.1	31563.2	32076.7	32409.8	32490.8	32255.2	32001.2
12°	28507.9	29008.5	29538.6	30136.8	30525.1	30747.8	31150.9	31441.7	31565.0	31434.4	31369.9
13°	27427.5	27948.4	28570.5	29312.2	29757.6	29846.0	30120.2	30363.2	30521.5	30501.2	30628.2
14°	26223.8	26772.3	27464.3	28358.8	28853.9	28865.0	29019.6	29185.2	29376.6	29481.6	29814.7
15°	24928.1	25590.7	26290.1	27252.7	27817.7	27788.3	27814.0	27885.8	28114.0	28395.6	28879.7
16°	23579.0	24374.1	25088.2	26012.2	26608.5	26555.1	26512.8	26474.1	26763.1	27204.8	27825.1
17°	22222.5	23181.4	23882.7	24696.2	25274.1	25244.7	25102.9	24953.9	25318.3	25916.5	26595.6
18°	20768.5	21922.5	22658.7	23284.5	23763.0	23779.6	23573.5	23314.0	23707.8	24480.8	25189.4
19°	19183.8	20536.6	21313.3	21812.1	22136.0	22204.1	21872.8	21585.7	22034.8	22942.2	23660.0
20°	17480.0	18944.5	19818.8	20192.4	20367.3	20483.2	20153.8	19787.5	20253.2	21247.0	21944.6
21°	15621.8	17184.4	18076.7	18429.2	18508.3	18685.0	18298.7	17975.7	18453.1	19454.4	20150.1
22°	13709.2	15237.0	16180.8	16497.0	16579.3	16812.7	16481.2	16153.9	16639.1	17614.9	18276.8
23°	11782.5	13226.8	14150.0	14473.9	14591.9	14892.6	14598.3	14332.0	14824.5	15733.0	16324.7
24°	9928.0	11189.7	12092.3	12439.6	12613.1	13000.2	12759.3	12510.2	13009.8	13850.1	14371.9
25°	8167.0	9214.0	10056.5	10466.9	10710.0	11111.3	10942.9	10704.5	11222.6	11967.3	12419.1
26°	6590.6	7403.7	8166.4	8628.9	8926.2	9298.0	9139.9	8958.6	9462.0	10177.7	10558.0
27°	5256.9	5842.0	6502.0	7021.6	7300.6	7592.5	7468.9	7301.9	7770.3	8429.1	8802.7
28°	4393.7	4854.2	5095.5	5582.1	5873.5	6052.8	5947.5	5837.6	6233.1	6817.5	7179.3
29°	3530.5	3866.4	4247.9	4671.6	4678.1	4775.6	4691.5	4616.4	4921.4	5406.7	5753.3
30°	2674.3	2881.7	3400.2	3760.9	3843.8	3886.5	3834.0	3658.8	3862.3	4230.8	4523.8
31°	2190.4	2340.2	2566.1	2860.7	3010.5	3002.1	2977.1	2935.1	3069.6	3325.8	3571.4
32°	1826.8	1933.7	2100.6	2334.7	2444.8	2424.5	2406.7	2392.9	2479.0	2646.3	2832.6
33°	1559.5	1632.6	1762.8	1947.5	2024.9	1989.1	1985.7	1992.2	2045.6	2148.3	2285.8
34°	1359.0	1407.6	1504.7	1660.2	1704.5	1670.4	1675.2	1684.6	1723.6	1784.6	1880.8
35°	1202.1	1233.9	1312.3	1444.1	1464.9	1429.7	1442.0	1492.1	1534.2	1577.7	1655.2
36°	1083.5	1101.6	1166.1	1284.2	1281.7	1250.0	1265.8	1301.2	1346.6	1373.0	1431.6
37°	986.9	998.3	1049.9	1160.2	1142.3	1113.2	1131.5	1171.5	1158.9	1168.2	1208.0
38°	909.9	915.3	959.1	1065.8	1033.5	1004.7	1023.5	1073.0	1051.0	1051.5	1082.3
39°	846.9	848.6	887.0	991.4	947.2	921.0	937.6	991.7	963.0	956.7	984.0
40°	795.6	792.8	828.2	931.3	877.5	850.2	866.9	925.4	890.7	879.2	904.2
41°	752.7	745.9	779.3	881.4	820.3	792.8	808.7	870.4	831.5	814.4	840.3
42°	716.2	705.3	738.8	838.2	774.2	743.3	759.0	825.2	780.1	759.3	786.7
43°	685.0	670.8	704.1	800.2	735.0	701.9	716.6	787.1	736.5	712.9	742.2
44°	657.4	640.0	674.1	766.9	700.8	665.4	680.3	753.7	699.0	672.6	704.2

REPORT NUMBER: P1440311

CATALOG NUMBER: XSF100-SFTR-4Hx4V-850-Position 1

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	632.1	612.7	648.2	737.2	670.9	632.6	648.1	725.2	666.7	638.1	671.6
46°	607.9	587.4	624.6	709.4	644.6	603.3	620.3	699.1	637.4	606.3	642.4
47°	583.1	563.1	601.0	682.4	620.1	576.7	594.9	675.0	611.5	578.0	616.5
48°	557.9	540.7	577.2	653.4	596.7	552.3	572.9	652.4	588.1	553.0	593.1
49°	533.1	519.3	553.3	621.4	572.5	530.1	553.2	629.8	567.3	530.9	571.6
50°	508.4	498.4	529.5	589.4	547.4	508.9	532.3	605.3	547.8	509.7	551.3
51°	484.1	478.6	506.3	556.6	522.3	487.8	511.6	577.7	526.2	489.6	530.2
52°	460.2	458.3	483.1	525.1	497.4	467.3	489.6	549.7	503.5	469.7	508.2
53°	436.9	439.4	459.1	494.6	472.3	447.9	468.5	520.2	481.2	450.6	486.0
54°	415.5	421.4	436.2	464.5	447.0	428.3	447.1	490.6	458.8	431.9	462.5
55°	394.8	403.0	414.1	435.4	422.2	409.3	426.4	460.9	435.4	412.8	438.6
56°	374.2	384.6	391.9	410.7	400.0	390.3	405.7	433.2	413.0	393.9	413.8
57°	356.0	366.2	369.8	386.0	377.8	371.3	384.9	407.1	390.7	375.5	390.2
58°	338.0	349.4	349.1	361.4	355.6	353.4	364.2	384.6	370.5	357.3	368.1
59°	319.9	332.7	327.8	340.5	336.0	336.1	345.1	364.1	351.0	339.6	346.6
60°	302.8	316.4	307.4	320.0	316.3	319.1	326.2	345.4	332.0	322.4	325.3
61°	287.5	300.4	289.7	300.6	298.1	303.0	308.5	326.9	313.4	305.7	304.4
62°	274.1	284.8	274.7	284.5	281.3	287.4	292.2	309.8	296.3	289.6	285.0
63°	261.5	269.5	261.6	270.7	266.4	272.3	278.3	295.8	281.1	273.8	268.0
64°	249.1	254.5	249.2	260.2	252.5	257.4	265.7	286.0	267.5	258.9	253.5
65°	236.9	238.8	237.0	249.6	239.8	243.2	253.6	279.4	254.4	244.8	240.5
66°	223.8	223.9	224.7	237.8	227.1	228.7	241.4	271.5	241.9	230.4	227.9
67°	210.8	209.4	212.3	223.4	214.5	214.3	228.4	261.1	228.9	216.4	215.4
68°	197.2	194.0	199.0	206.5	202.3	199.6	215.4	248.9	216.5	201.9	203.1
69°	183.3	177.4	185.1	190.4	189.3	184.2	202.3	234.6	203.6	187.1	190.2
70°	169.2	161.5	171.3	181.9	175.4	168.1	188.6	218.9	190.1	170.6	176.8
71°	155.0	147.4	157.3	184.9	161.3	152.9	174.2	203.0	176.5	156.2	162.4
72°	140.3	134.3	143.1	193.3	146.8	139.1	159.3	201.5	161.6	141.9	147.9
73°	125.9	122.0	128.9	171.7	132.0	125.4	144.0	195.1	146.7	127.9	133.5
74°	111.7	109.7	114.4	139.8	117.2	112.2	129.1	166.0	131.7	114.6	119.0
75°	98.4	97.6	100.5	118.1	103.2	99.6	115.1	141.5	116.5	101.6	104.6
76°	85.6	85.8	87.8	100.8	89.6	87.7	101.2	117.0	102.8	89.4	91.1
77°	73.3	74.6	75.5	87.0	76.5	76.2	89.0	100.5	90.6	77.7	78.6
78°	61.7	63.6	63.4	74.5	64.0	65.3	76.6	86.6	76.9	66.6	66.5
79°	51.0	53.5	52.2	63.0	52.4	55.0	64.2	73.8	63.6	55.9	54.7
80°	42.3	44.6	43.3	52.0	43.2	45.8	52.4	61.9	51.7	46.0	44.3
81°	33.6	35.8	34.3	42.3	34.0	36.6	43.2	50.7	40.9	36.7	35.0
82°	24.9	27.0	25.6	32.5	24.7	27.5	34.0	40.4	31.7	28.2	26.2
83°	21.6	23.4	21.7	22.9	19.4	21.2	24.9	31.2	23.8	21.1	18.6
84°	20.7	22.9	21.2	17.1	17.9	18.5	20.7	22.7	19.9	16.7	14.5
85°	16.5	18.1	17.2	10.7	14.7	15.5	17.3	16.3	14.6	12.5	10.5
86°	8.5	9.2	9.9	5.4	9.0	10.3	11.3	10.0	9.2	8.2	6.1
87°	2.4	2.5	3.0	2.3	3.7	3.2	4.0	3.6	3.9	3.0	1.8
88°	1.0	1.0	1.1	1.0	1.1	1.2	1.7	1.2	1.2	0.8	0.4
89°	0.3	0.4	0.4	0.4	0.5	0.5	0.4	0.3	0.3	0.2	0.1

REPORT NUMBER: P1440311

CATALOG NUMBER: XSF100-SFTR-4Hx4V-850-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: P1440311

CATALOG NUMBER: XSF100-SFTR-4Hx4V-850-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: P1440311
CATALOG NUMBER: XSF100-SFTR-4Hx4V-850-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: P1440311

CATALOG NUMBER: XSF100-SFTR-4Hx4V-850-Position 1

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	35571.9	35571.9	35571.9
1°	35698.9	35645.5	35584.7
2°	35652.8	35533.2	35415.4
3°	35454.1	35257.1	35076.8
4°	35115.4	34837.5	34622.1
5°	34695.8	34360.8	34097.6
6°	34200.7	33810.5	33539.9
7°	33690.8	33285.9	33004.3
8°	33195.7	32789.0	32500.0
9°	32684.1	32314.1	31992.0
10°	32198.2	31833.8	31496.9
11°	31693.9	31312.9	30917.2
12°	31145.4	30687.1	30181.0
13°	30475.4	29921.4	29334.3
14°	29674.8	29017.7	28358.8
15°	28752.7	28022.0	27302.4
16°	27688.9	26949.0	26170.4
17°	26514.6	25796.8	25009.1
18°	25233.6	24607.8	23869.8
19°	23849.5	23406.0	22638.5
20°	22294.3	22115.8	21326.2
21°	20683.8	20694.9	19857.4
22°	18911.4	19084.4	18185.5
23°	17074.6	17295.4	16313.5
24°	15094.3	15313.0	14438.2
25°	13113.2	13329.6	12562.9
26°	11132.2	11346.1	10665.5
27°	9252.5	9374.0	8746.6
28°	7499.4	7485.1	6983.3
29°	5970.3	5877.2	5536.5
30°	4672.4	4569.3	4337.6
31°	3664.9	3561.2	3420.1
32°	2903.1	2819.1	2717.0
33°	2334.7	2274.0	2217.5
34°	1927.4	1878.1	1840.0
35°	1703.8	1655.4	1623.2
36°	1483.3	1435.2	1409.0
37°	1262.8	1214.9	1194.8
38°	1141.2	1091.0	1071.4
39°	1051.1	992.6	973.7
40°	977.3	912.4	893.8
41°	920.3	848.1	829.0
42°	872.2	793.7	772.9
43°	831.5	747.5	725.6
44°	794.8	707.3	684.0

REPORT NUMBER: P1440311

CATALOG NUMBER: XSF100-SFTR-4Hx4V-850-Position 1

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	761.3	671.9	647.5
46°	729.7	640.1	614.3
47°	700.7	611.5	585.4
48°	673.4	587.0	558.7
49°	646.7	563.7	532.9
50°	619.8	541.4	508.3
51°	591.8	519.5	485.9
52°	560.5	496.9	464.8
53°	528.5	475.1	445.5
54°	495.5	453.0	426.4
55°	463.6	430.7	407.8
56°	431.6	408.2	389.3
57°	402.9	385.4	371.6
58°	376.3	362.7	353.0
59°	352.3	339.9	335.8
60°	331.8	318.5	318.0
61°	311.8	298.3	301.3
62°	292.5	279.8	285.4
63°	275.3	263.6	269.4
64°	261.2	249.9	254.0
65°	248.9	237.2	238.9
66°	239.1	225.1	223.9
67°	228.4	212.9	209.3
68°	212.9	200.0	194.6
69°	195.7	187.1	179.1
70°	180.1	173.2	164.2
71°	178.9	159.3	149.3
72°	178.1	145.3	134.4
73°	177.2	131.3	121.5
74°	161.2	117.7	109.3
75°	131.7	104.3	97.1
76°	108.3	90.2	85.6
77°	91.2	77.5	74.1
78°	77.0	65.3	62.7
79°	64.4	53.0	51.7
80°	52.2	42.0	41.4
81°	40.3	32.1	32.2
82°	30.0	23.5	23.7
83°	21.2	19.2	18.9
84°	15.2	14.9	14.2
85°	9.2	10.6	9.5
86°	3.2	3.0	2.0
87°	0.7	0.6	0.5
88°	0.3	0.3	0.3
89°	0.1	0.1	0.1

REPORT NUMBER: P1440311

CATALOG NUMBER: XSF100-SFTR-4Hx4V-850-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: P1440311

CATALOG NUMBER: XSF100-SFTR-4Hx4V-850-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: P1440311

CATALOG NUMBER: XSF100-SFTR-4Hx4V-850-Position 1

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)