

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: P1440305

Luminaire Tested: XSF100-SFTR-4Hx4V-830-Position 3

Issue Date: 04/15/2026

Test Information

Test Method: LM-79-2024
Report Number: P1440305
Test Lab: THIRD PARTY NVLAP
Issue Date: 7/15/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XSF100-SFTR-4Hx4V-830-Position 3
Description: LUMARK ALL SELECTABLE LUMINAIRE 100W w/ NEMA 4 FLOOD DISTRIBUTION 3000K CCT
80 CRI LIGHT ENGINE AT Position 3
Light Source: (1) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10383.1 lumens
Efficiency: N/A
Efficacy: 157.3 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

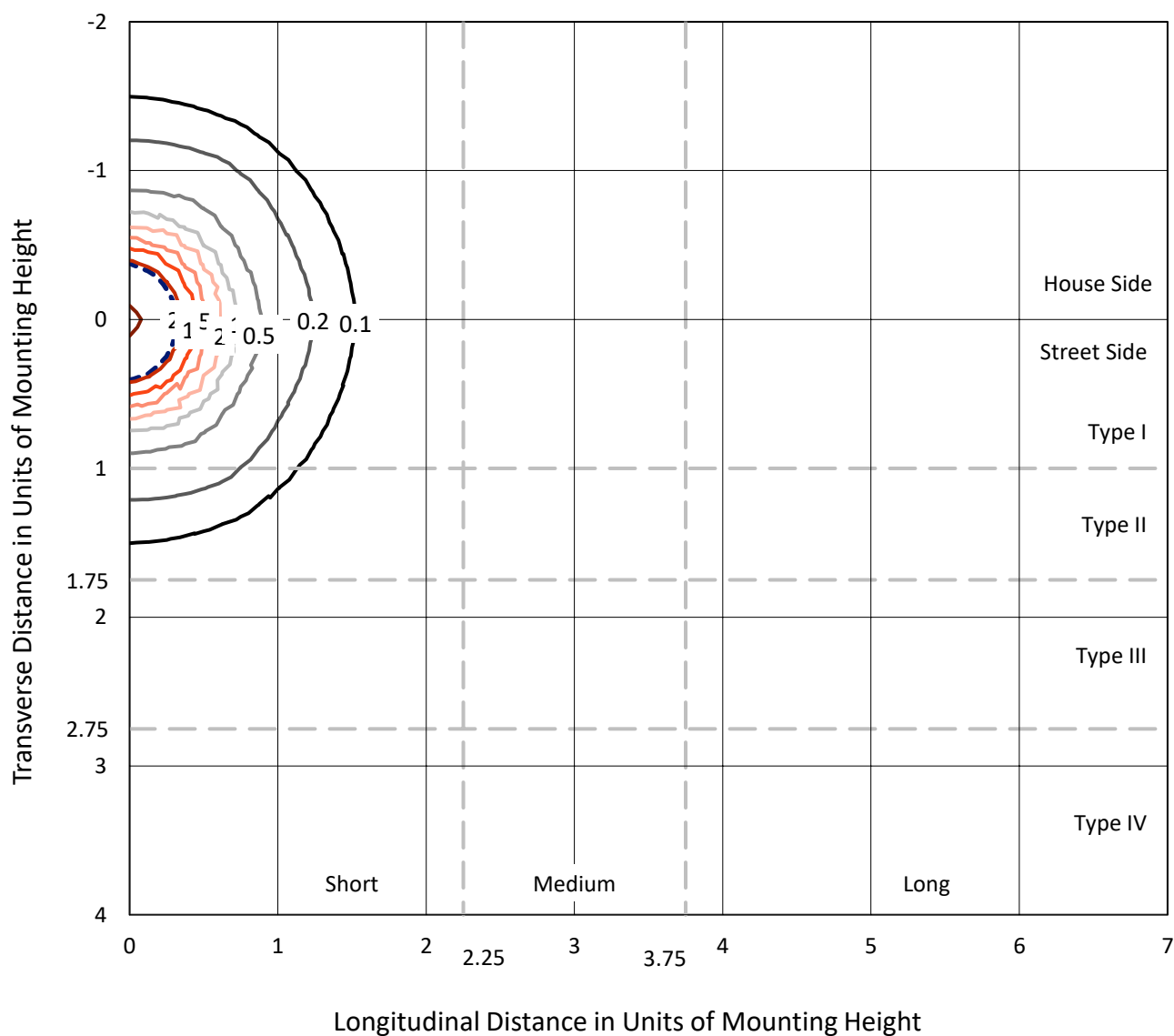
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



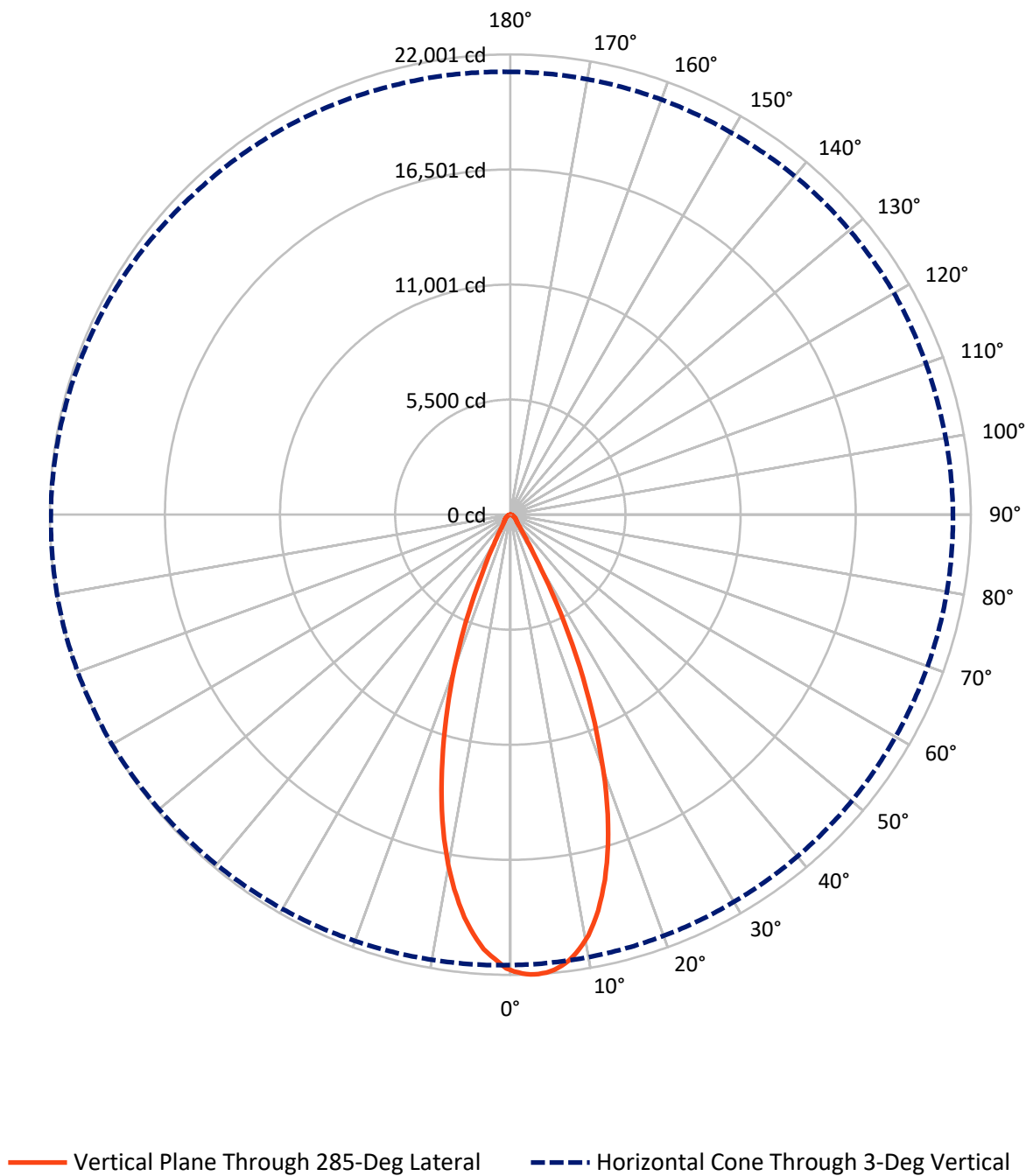
Based on 20 foot mounting height. Maximum calculated value = 54.6 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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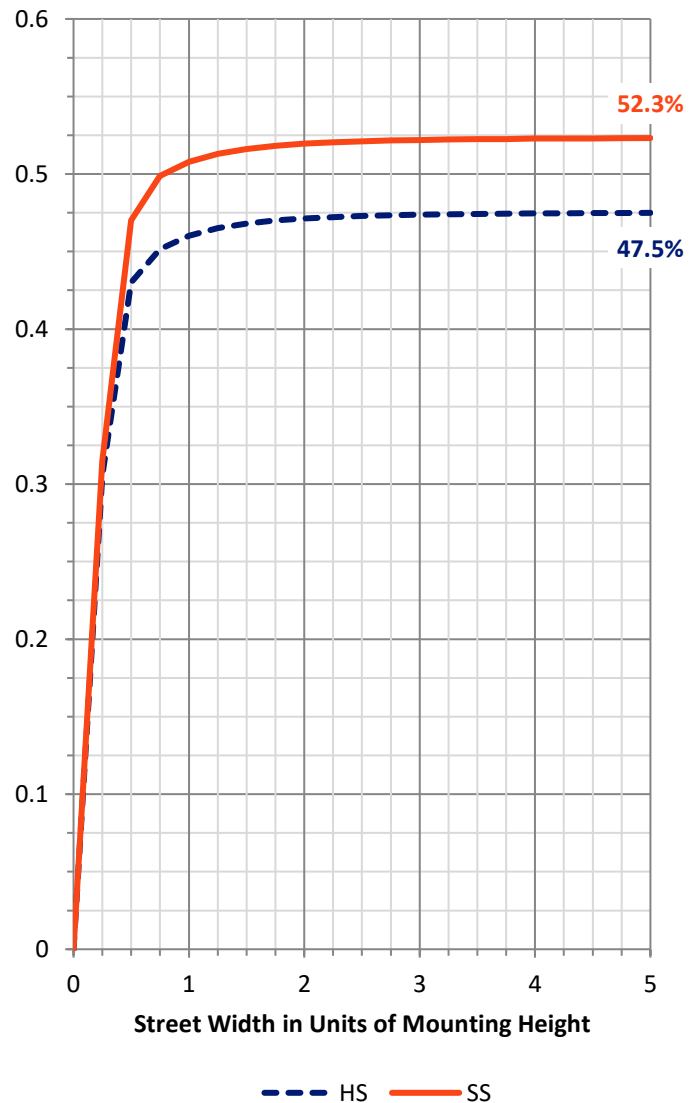
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5000.3	0.0	5000.3
	% Fixture	48.2	0.0	48.2
Street Side	Lumens	5382.8	0.0	5382.8
	% Fixture	51.8	0.0	51.8
Total	Lumens	10383.1	0.0	10383.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1933.7	18.6
10°-20°	4299.6	41.4
20°-30°	2753.6	26.5
30°-40°	613.5	5.9
40°-50°	319.4	3.1
50°-60°	232.3	2.2
60°-70°	149.6	1.4
70°-80°	71.5	0.7
80°-90°	9.9	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	10383.1	100.0
0°-180°	10383.1	100.0

Coefficient of Utilization



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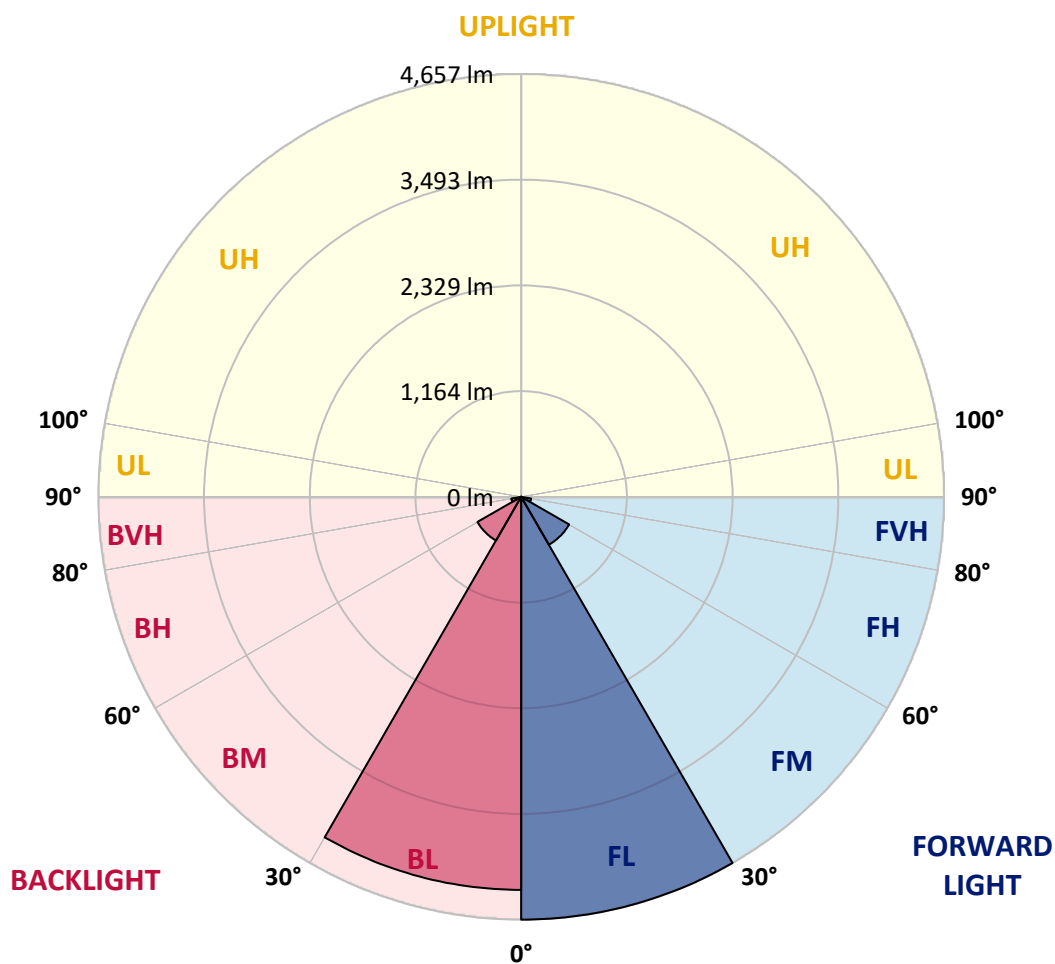
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4657.2	44.9			
FM	(30°-60°)	609.9	5.9			
FH	(60°-80°)	111.0	1.1			G0/660
FVH	(80°-90°)	4.7	0.0			G0/10
BL	(0°-30°)	4329.7	41.7	B4/5000		
BM	(30°-60°)	555.3	5.3	B1/1000		
BH	(60°-80°)	110.1	1.1	B1/500		G1/500
BVH	(80°-90°)	5.2	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	21838.3	21838.3	21838.3	21838.3	21838.3	21838.3	21838.3	21838.3	21838.3	21838.3	21838.3
1°	21846.2	21820.2	21778.4	21742.3	21710.6	21677.9	21694.8	21688.0	21677.9	21675.6	21675.6
2°	21742.3	21680.1	21608.9	21566.0	21512.9	21479.0	21422.5	21398.8	21427.0	21415.7	21382.9
3°	21534.4	21453.0	21370.5	21315.1	21250.7	21199.9	21149.0	21109.5	21172.8	21153.6	21090.3
4°	21255.3	21164.9	21068.8	20993.1	20927.6	20858.7	20874.5	20815.7	20785.2	20782.9	20796.5
5°	20933.2	20822.5	20718.5	20628.1	20532.1	20437.2	20454.1	20383.0	20360.4	20370.5	20404.4
6°	20590.9	20471.1	20349.1	20213.5	20084.6	19967.1	19959.2	19895.9	19892.6	19925.3	20013.5
7°	20262.0	20124.2	19954.7	19766.0	19592.0	19448.5	19419.1	19367.1	19359.2	19455.3	19606.7
8°	19952.4	19789.7	19559.2	19294.8	19056.4	18854.1	18818.0	18751.3	18784.1	18945.7	19177.3
9°	19640.6	19456.4	19151.3	18794.3	18464.3	18215.7	18144.5	18100.5	18167.1	18388.6	18721.9
10°	19336.6	19084.7	18721.9	18266.6	17842.9	17538.9	17424.8	17394.3	17515.2	17811.2	18219.1
11°	18980.7	18679.0	18242.8	17707.3	17198.8	16795.4	16660.9	16646.2	16811.2	17168.3	17657.5
12°	18528.7	18209.0	17733.2	17109.5	16525.3	16033.8	15829.3	15825.9	16059.8	16476.8	17022.5
13°	18009.0	17653.0	17128.7	16455.3	15794.3	15220.3	14966.0	14964.9	15254.2	15734.4	16325.3
14°	17410.1	17022.5	16436.1	15740.0	15031.6	14362.6	14041.7	14064.3	14398.8	14929.9	15547.9
15°	16761.5	16323.1	15671.1	14969.4	14184.1	13458.7	13097.1	13117.4	13497.1	14059.8	14694.8
16°	16066.6	15563.8	14835.0	14136.7	13285.8	12512.9	12120.8	12152.5	12545.7	13150.2	13775.1
17°	15353.6	14775.1	13986.4	13236.1	12361.5	11545.7	11155.0	11180.6	11571.7	12189.8	12833.8
18°	14654.2	13963.8	13097.1	12310.7	11407.9	10609.8	10198.5	10210.5	10581.6	11194.7	11857.6
19°	13898.2	13125.4	12177.3	11338.9	10415.9	9661.9	9250.0	9245.7	9582.2	10146.6	10830.8
20°	13092.6	12239.5	11230.6	10301.0	9464.8	8713.6	8319.8	8304.5	8611.4	9093.2	9768.2
21°	12190.9	11266.6	10208.7	9326.3	8514.0	7765.4	7383.0	7360.4	7631.6	8032.5	8638.8
22°	11164.5	10429.2	9184.6	8353.1	7542.2	6819.9	6457.3	6432.6	6663.2	6981.3	7520.9
23°	10015.2	9245.5	8160.5	7347.6	6587.4	5893.2	5548.8	5519.3	5722.7	5969.6	6432.8
24°	8863.9	8052.7	7123.9	6370.5	5656.7	5001.8	4676.9	4639.3	4810.3	5008.2	5409.5
25°	7712.6	6929.8	6113.2	5420.5	4768.8	4187.9	3897.7	3843.3	3970.4	4133.4	4474.4
26°	6547.8	5857.5	5149.8	4532.7	3955.6	3465.2	3222.0	3148.6	3233.5	3364.4	3634.8
27°	5369.7	4828.7	4257.7	3740.5	3255.8	2852.3	2755.4	2685.7	2745.4	2848.6	2939.8
28°	4287.2	3887.3	3458.7	3051.6	2655.5	2339.8	2288.8	2222.8	2257.4	2332.6	2487.7
29°	3399.0	3105.9	2807.9	2486.9	2180.2	1930.2	1822.9	1761.6	1774.0	1822.0	2035.6
30°	2662.9	2469.9	2265.2	2027.2	1793.9	1595.2	1520.4	1464.4	1468.0	1503.9	1585.9
31°	2099.7	1978.1	1838.5	1666.0	1487.1	1333.2	1280.0	1232.1	1233.6	1264.3	1318.8
32°	1668.0	1592.0	1512.2	1384.7	1249.0	1133.6	1094.0	1048.9	1052.9	1080.5	1116.5
33°	1361.3	1310.5	1259.1	1166.5	1060.7	1007.2	949.8	908.8	912.6	936.1	963.6
34°	1129.6	1097.9	1069.4	1034.6	943.8	882.4	840.5	799.5	801.0	825.6	847.9
35°	996.5	974.3	957.8	902.9	827.9	757.5	753.8	713.9	713.5	737.5	759.7
36°	865.0	852.2	846.7	771.1	711.9	682.9	686.1	646.5	644.9	669.0	692.3
37°	733.5	730.0	735.5	690.4	641.4	623.1	631.5	592.2	588.2	612.4	638.5
38°	657.7	657.3	669.6	626.8	585.0	574.2	586.2	547.1	542.8	567.0	595.9
39°	597.7	598.6	617.7	574.1	538.8	533.3	549.6	510.7	505.2	529.8	561.7
40°	548.7	551.0	575.6	530.2	501.0	499.7	519.0	480.2	474.1	499.3	533.2
41°	508.9	512.0	540.8	495.6	469.5	471.5	493.4	454.6	447.9	473.9	509.5
42°	474.5	479.7	511.4	466.6	443.1	447.8	472.0	432.5	425.4	452.4	488.4
43°	445.5	452.3	486.0	442.0	419.6	426.8	453.4	413.8	406.3	434.1	469.9
44°	419.9	428.7	463.2	420.5	398.8	408.2	436.8	397.4	388.7	418.3	453.6

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CATALOG NUMBER: XSF100-SFTR-4Hx4V-830-Position 3

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	397.5	407.5	443.2	401.7	380.2	391.3	421.7	382.4	372.8	403.3	437.2
46°	377.1	388.5	424.8	385.3	363.8	376.1	407.0	367.9	358.3	388.5	419.9
47°	359.4	371.3	408.1	370.9	348.8	361.9	391.1	353.7	344.4	373.2	400.6
48°	343.0	355.3	392.4	357.2	334.9	347.2	374.8	339.9	331.4	358.1	381.3
49°	327.1	339.1	375.7	343.7	321.5	333.2	358.9	326.4	318.8	342.7	361.5
50°	312.1	323.3	358.1	330.1	308.7	319.2	342.4	313.0	306.3	327.4	342.1
51°	298.3	307.5	339.4	315.7	296.3	305.0	325.4	299.6	294.6	312.5	323.3
52°	285.4	292.2	320.6	301.6	284.0	290.4	308.9	286.7	282.6	297.6	305.1
53°	273.5	277.8	302.3	287.3	272.0	276.5	293.3	273.8	270.6	283.0	287.6
54°	261.8	263.3	284.4	273.2	260.1	263.0	277.7	261.7	259.0	268.6	270.8
55°	250.3	249.6	267.1	259.3	248.7	250.2	263.4	250.0	247.8	255.0	256.4
56°	239.0	236.4	250.6	245.5	237.5	238.5	251.2	238.2	236.5	241.4	242.4
57°	228.2	224.1	235.1	232.1	226.8	227.4	238.9	226.4	225.3	227.9	228.4
58°	216.7	212.1	221.7	219.0	216.2	216.7	226.7	215.5	215.1	214.7	216.0
59°	206.1	201.0	209.2	206.2	206.2	206.6	215.9	205.1	205.0	202.3	204.0
60°	195.2	190.1	196.9	193.5	195.7	196.9	205.2	195.0	194.9	190.5	192.6
61°	185.0	179.9	185.1	181.7	185.6	187.9	195.2	185.8	184.8	180.1	181.8
62°	175.2	170.2	174.5	171.3	176.2	178.9	187.2	177.2	175.3	171.0	173.1
63°	165.4	161.3	165.0	162.0	166.9	170.6	181.4	169.1	166.3	162.5	165.6
64°	156.0	153.2	157.4	153.5	157.9	162.3	175.6	161.0	157.3	154.2	158.8
65°	146.7	145.2	150.8	145.4	148.9	154.2	168.6	152.7	148.4	146.0	151.1
66°	137.4	137.5	144.3	137.2	139.8	146.2	161.0	144.4	139.2	138.0	141.9
67°	128.5	129.9	136.0	129.0	130.6	138.4	152.5	136.3	129.9	130.3	131.4
68°	119.5	121.8	125.7	120.9	121.1	129.8	143.2	127.7	120.1	122.3	120.4
69°	109.9	113.8	115.6	112.2	110.9	120.7	133.1	118.8	109.5	113.8	113.2
70°	100.8	104.9	106.8	103.2	101.3	111.6	125.5	109.8	98.9	104.9	121.0
71°	91.6	96.4	109.0	94.2	91.7	102.3	137.5	100.5	89.8	95.8	125.8
72°	82.5	87.8	111.4	85.2	82.1	93.0	125.8	91.3	81.3	86.6	116.2
73°	74.6	79.3	113.8	76.0	73.5	83.6	106.1	82.1	73.0	77.0	96.3
74°	67.1	70.5	94.4	67.5	65.4	74.8	89.1	73.3	65.0	67.9	82.1
75°	59.6	61.5	75.6	59.0	57.7	66.2	76.8	65.3	57.6	59.7	71.6
76°	52.6	53.6	62.6	51.2	50.4	57.7	67.5	58.1	50.2	51.6	62.1
77°	45.5	45.9	52.8	44.0	43.5	49.1	59.5	50.2	43.4	43.7	53.6
78°	38.5	38.1	44.7	37.0	36.9	41.2	52.2	42.2	36.8	36.3	45.4
79°	31.7	30.7	37.3	30.2	30.7	33.8	44.7	34.8	30.6	30.2	38.3
80°	25.4	24.2	30.0	24.1	24.9	27.3	37.3	28.9	25.3	24.0	31.2
81°	19.8	18.4	22.8	18.7	19.6	21.5	30.4	22.9	19.9	17.9	25.2
82°	14.5	13.4	16.8	13.6	14.8	16.5	24.5	17.0	14.6	13.6	19.1
83°	11.6	10.8	11.5	10.6	11.3	12.6	18.7	13.2	11.5	10.6	13.1
84°	8.7	8.1	7.6	7.7	8.9	9.6	12.8	10.8	9.2	8.5	9.3
85°	5.8	5.5	3.8	4.8	6.4	6.6	8.0	8.0	6.6	6.0	5.5
86°	1.2	1.3	1.3	2.2	2.8	3.7	4.1	4.3	3.5	3.1	2.6
87°	0.3	0.3	0.3	0.5	0.8	1.2	1.6	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: P1440305

CATALOG NUMBER: XSF100-SFTR-4Hx4V-830-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: P1440305

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



REPORT NUMBER: P1440305
CATALOG NUMBER: XSF100-SFTR-4Hx4V-830-Position 3

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: P1440305

CATALOG NUMBER: XSF100-SFTR-4Hx4V-830-Position 3

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	21838.3	21838.3	21838.3	21838.3	21838.3	21838.3	21838.3	21838.3	21838.3	21838.3	21838.3
1°	21706.1	21721.9	21760.3	21793.1	21830.4	21860.9	21888.0	21920.8	21942.3	21950.2	21942.3
2°	21414.6	21445.1	21510.6	21651.9	21742.3	21832.7	21906.1	21969.4	21998.8	21996.5	21951.3
3°	21123.1	21168.3	21260.9	21410.1	21534.4	21729.8	21871.1	21959.2	22001.0	21975.0	21874.5
4°	20830.4	20891.4	21010.1	21167.1	21327.6	21551.3	21785.2	21907.2	21955.8	21893.7	21736.6
5°	20471.1	20542.3	20664.3	20853.0	21119.7	21372.8	21663.2	21821.4	21864.3	21741.1	21529.8
6°	20103.9	20202.2	20328.7	20523.1	20821.4	21192.0	21434.9	21673.3	21703.8	21554.7	21284.6
7°	19749.1	19873.3	20020.2	20214.6	20517.4	20891.4	21205.5	21451.9	21490.3	21306.1	21003.3
8°	19392.0	19558.1	19720.8	19914.0	20195.4	20579.6	20976.2	21178.4	21210.1	21014.6	20692.6
9°	19014.6	19216.9	19404.4	19610.1	19874.5	20222.5	20615.7	20834.9	20858.7	20662.0	20362.6
10°	18584.1	18830.4	19056.4	19293.7	19525.3	19824.8	20186.3	20407.8	20458.7	20260.9	20015.7
11°	18080.1	18361.5	18642.8	18934.4	19158.1	19377.3	19692.6	19897.1	19946.8	19802.2	19646.2
12°	17501.6	17809.0	18134.4	18501.6	18740.0	18876.7	19124.2	19302.7	19378.4	19298.2	19258.7
13°	16838.3	17158.1	17540.0	17995.4	18268.8	18323.1	18491.4	18640.6	18737.8	18725.3	18803.3
14°	16099.4	16436.1	16860.9	17410.1	17714.0	17720.8	17815.7	17917.4	18034.9	18099.3	18303.9
15°	15303.9	15710.7	16140.0	16731.0	17077.9	17059.8	17075.6	17119.7	17259.8	17432.7	17729.9
16°	14475.6	14963.8	15402.2	15969.4	16335.5	16302.7	16276.8	16253.0	16430.4	16701.6	17082.4
17°	13642.9	14231.6	14662.1	15161.5	15516.3	15498.2	15411.2	15319.7	15543.4	15910.7	16327.6
18°	12750.2	13458.7	13910.7	14294.8	14588.6	14598.8	14472.2	14312.9	14554.7	15029.3	15464.3
19°	11777.3	12607.8	13084.7	13390.9	13589.8	13631.6	13428.2	13251.9	13527.6	14084.7	14525.4
20°	10731.4	11630.5	12167.2	12396.5	12503.9	12575.1	12372.8	12148.0	12433.8	13044.0	13472.3
21°	9590.6	10549.9	11097.7	11314.1	11362.7	11471.1	11234.0	11035.7	11328.8	11943.4	12370.6
22°	8416.3	9354.3	9933.7	10127.9	10178.4	10321.6	10118.1	9917.2	10215.1	10814.2	11220.5
23°	7233.5	8120.2	8687.0	8885.8	8958.3	9142.9	8962.2	8798.7	9101.1	9658.8	10022.1
24°	6095.0	6869.6	7423.7	7636.9	7743.5	7981.1	7833.2	7680.3	7987.0	8502.9	8823.2
25°	5013.9	5656.7	6173.9	6425.8	6575.1	6821.4	6718.0	6571.7	6889.8	7347.0	7624.4
26°	4046.1	4545.3	5013.5	5297.5	5480.0	5708.2	5611.2	5499.9	5808.9	6248.3	6481.8
27°	3227.3	3586.5	3991.7	4310.7	4482.0	4661.2	4585.3	4482.8	4770.4	5174.8	5404.2
28°	2697.4	2980.1	3128.2	3427.0	3605.9	3715.9	3651.3	3583.8	3826.6	4185.4	4407.5
29°	2167.4	2373.7	2607.9	2868.0	2872.0	2931.9	2880.2	2834.1	3021.3	3319.3	3532.1
30°	1641.8	1769.1	2087.4	2308.9	2359.8	2386.0	2353.8	2246.2	2371.2	2597.4	2777.3
31°	1344.7	1436.7	1575.4	1756.3	1848.2	1843.0	1827.7	1801.9	1884.5	2041.8	2192.5
32°	1121.5	1187.1	1289.6	1433.3	1500.9	1488.5	1477.5	1469.0	1521.9	1624.6	1739.0
33°	957.4	1002.3	1082.2	1195.6	1243.2	1221.1	1219.1	1223.0	1255.8	1318.9	1403.3
34°	834.3	864.2	923.8	1019.2	1046.5	1025.5	1028.4	1034.2	1058.2	1095.6	1154.7
35°	738.0	757.5	805.6	886.5	899.3	877.7	885.3	916.0	941.9	968.6	1016.2
36°	665.2	676.3	715.9	788.4	786.9	767.4	777.1	798.8	826.7	842.9	878.9
37°	605.9	612.9	644.5	712.3	701.3	683.4	694.7	719.2	711.5	717.2	741.6
38°	558.6	561.9	588.8	654.3	634.5	616.8	628.3	658.7	645.2	645.5	664.4
39°	519.9	521.0	544.5	608.7	581.5	565.4	575.6	608.9	591.2	587.3	604.1
40°	488.4	486.7	508.5	571.7	538.7	521.9	532.2	568.1	546.8	539.8	555.1
41°	462.1	457.9	478.4	541.1	503.6	486.7	496.5	534.4	510.5	500.0	515.9
42°	439.7	433.0	453.6	514.6	475.3	456.3	465.9	506.6	478.9	466.2	483.0
43°	420.6	411.8	432.3	491.3	451.2	430.9	439.9	483.2	452.1	437.7	455.6
44°	403.6	392.9	413.8	470.8	430.3	408.5	417.6	462.7	429.2	412.9	432.3

REPORT NUMBER: P1440305

CATALOG NUMBER: XSF100-SFTR-4Hx4V-830-Position 3

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	388.1	376.2	398.0	452.6	411.9	388.4	397.9	445.2	409.3	391.8	412.3
46°	373.2	360.6	383.5	435.5	395.7	370.4	380.8	429.2	391.3	372.2	394.4
47°	358.0	345.7	368.9	419.0	380.7	354.1	365.2	414.4	375.4	354.8	378.5
48°	342.5	332.0	354.3	401.1	366.3	339.1	351.7	400.6	361.0	339.5	364.1
49°	327.3	318.8	339.7	381.5	351.5	325.4	339.6	386.7	348.3	326.0	350.9
50°	312.1	306.0	325.1	361.9	336.1	312.4	326.8	371.6	336.3	312.9	338.4
51°	297.2	293.8	310.8	341.7	320.7	299.5	314.1	354.7	323.0	300.6	325.5
52°	282.5	281.4	296.6	322.4	305.4	286.9	300.6	337.5	309.1	288.3	312.0
53°	268.2	269.7	281.9	303.7	289.9	275.0	287.6	319.3	295.4	276.6	298.3
54°	255.1	258.7	267.8	285.2	274.4	263.0	274.5	301.2	281.7	265.2	284.0
55°	242.4	247.4	254.2	267.3	259.2	251.3	261.8	283.0	267.3	253.4	269.3
56°	229.7	236.1	240.6	252.1	245.5	239.6	249.0	266.0	253.5	241.8	254.0
57°	218.6	224.8	227.0	237.0	231.9	228.0	236.3	249.9	239.9	230.5	239.6
58°	207.5	214.5	214.3	221.9	218.3	217.0	223.6	236.1	227.5	219.3	226.0
59°	196.4	204.2	201.3	209.0	206.3	206.3	211.9	223.5	215.5	208.5	212.8
60°	185.9	194.3	188.7	196.5	194.2	195.9	200.2	212.0	203.8	197.9	199.7
61°	176.5	184.5	177.8	184.6	183.0	186.0	189.4	200.7	192.4	187.7	186.9
62°	168.3	174.8	168.6	174.7	172.7	176.4	179.4	190.2	181.9	177.8	174.9
63°	160.6	165.4	160.6	166.2	163.5	167.2	170.9	181.6	172.6	168.1	164.5
64°	152.9	156.2	153.0	159.7	155.0	158.0	163.1	175.6	164.2	158.9	155.6
65°	145.4	146.6	145.5	153.2	147.2	149.3	155.7	171.5	156.2	150.3	147.7
66°	137.4	137.4	137.9	146.0	139.4	140.4	148.2	166.7	148.5	141.5	139.9
67°	129.4	128.6	130.3	137.2	131.7	131.6	140.2	160.3	140.5	132.8	132.2
68°	121.0	119.1	122.2	126.8	124.2	122.6	132.3	152.8	132.9	124.0	124.7
69°	112.5	108.9	113.6	116.9	116.2	113.1	124.2	144.0	125.0	114.9	116.8
70°	103.9	99.2	105.1	111.7	107.7	103.2	115.8	134.4	116.7	104.7	108.6
71°	95.1	90.5	96.5	113.5	99.0	93.9	106.9	124.6	108.3	95.9	99.7
72°	86.2	82.5	87.8	118.7	90.1	85.4	97.8	123.7	99.2	87.1	90.8
73°	77.3	74.9	79.1	105.4	81.0	77.0	88.4	119.8	90.0	78.5	81.9
74°	68.6	67.4	70.2	85.9	72.0	68.9	79.3	101.9	80.9	70.3	73.1
75°	60.4	59.9	61.7	72.5	63.4	61.2	70.6	86.9	71.5	62.4	64.2
76°	52.5	52.7	53.9	61.9	55.0	53.8	62.1	71.8	63.1	54.9	55.9
77°	45.0	45.8	46.3	53.4	47.0	46.8	54.7	61.7	55.6	47.7	48.3
78°	37.9	39.0	38.9	45.7	39.3	40.1	47.0	53.2	47.2	40.9	40.9
79°	31.3	32.8	32.1	38.7	32.2	33.8	39.4	45.3	39.0	34.3	33.6
80°	25.9	27.4	26.6	32.0	26.5	28.1	32.2	38.0	31.7	28.2	27.2
81°	20.6	22.0	21.1	26.0	20.9	22.5	26.5	31.1	25.1	22.5	21.5
82°	15.3	16.6	15.7	20.0	15.2	16.9	20.9	24.8	19.4	17.3	16.1
83°	13.2	14.3	13.3	14.0	11.9	13.0	15.3	19.2	14.6	12.9	11.4
84°	12.7	14.0	13.0	10.5	11.0	11.4	12.7	13.9	12.2	10.3	8.9
85°	10.1	11.1	10.6	6.6	9.0	9.5	10.6	10.0	8.9	7.6	6.4
86°	5.2	5.7	6.1	3.3	5.6	6.3	6.9	6.1	5.7	5.0	3.7
87°	1.5	1.5	1.8	1.4	2.3	2.0	2.5	2.2	2.4	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	0.2
89°	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1

REPORT NUMBER: P1440305

CATALOG NUMBER: XSF100-SFTR-4Hx4V-830-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: P1440305

CATALOG NUMBER: XSF100-SFTR-4Hx4V-830-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: P1440305
CATALOG NUMBER: XSF100-SFTR-4Hx4V-830-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: P1440305

CATALOG NUMBER: XSF100-SFTR-4Hx4V-830-Position 3

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	21838.3	21838.3	21838.3
1°	21916.3	21883.5	21846.2
2°	21888.0	21814.6	21742.3
3°	21766.0	21645.1	21534.4
4°	21558.1	21387.5	21255.3
5°	21300.5	21094.8	20933.2
6°	20996.5	20757.0	20590.9
7°	20683.5	20434.9	20262.0
8°	20379.6	20129.8	19952.4
9°	20065.4	19838.3	19640.6
10°	19767.1	19543.4	19336.6
11°	19457.5	19223.6	18980.7
12°	19120.8	18839.5	18528.7
13°	18709.5	18369.4	18009.0
14°	18218.0	17814.6	17410.1
15°	17651.9	17203.3	16761.5
16°	16998.8	16544.6	16066.6
17°	16277.9	15837.2	15353.6
18°	15491.4	15107.3	14654.2
19°	14641.7	14369.4	13898.2
20°	13686.9	13577.3	13092.6
21°	12698.2	12705.0	12190.9
22°	11610.1	11716.3	11164.5
23°	10482.4	10618.0	10015.2
24°	9266.7	9401.0	8863.9
25°	8050.5	8183.3	7712.6
26°	6834.3	6965.6	6547.8
27°	5680.3	5754.9	5369.7
28°	4604.0	4595.2	4287.2
29°	3665.3	3608.1	3399.0
30°	2868.5	2805.2	2662.9
31°	2249.9	2186.3	2099.7
32°	1782.3	1730.7	1668.0
33°	1433.3	1396.0	1361.3
34°	1183.3	1153.0	1129.6
35°	1046.0	1016.3	996.5
36°	910.7	881.1	865.0
37°	775.3	745.9	733.5
38°	700.6	669.8	657.7
39°	645.3	609.4	597.7
40°	600.0	560.2	548.7
41°	565.0	520.7	508.9
42°	535.5	487.3	474.5
43°	510.5	458.9	445.5
44°	487.9	434.2	419.9

REPORT NUMBER: P1440305

CATALOG NUMBER: XSF100-SFTR-4Hx4V-830-Position 3

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	467.4	412.5	397.5
46°	448.0	393.0	377.1
47°	430.2	375.4	359.4
48°	413.4	360.4	343.0
49°	397.0	346.1	327.1
50°	380.5	332.4	312.1
51°	363.3	319.0	298.3
52°	344.1	305.1	285.4
53°	324.4	291.7	273.5
54°	304.2	278.1	261.8
55°	284.6	264.4	250.3
56°	265.0	250.6	239.0
57°	247.3	236.6	228.2
58°	231.0	222.7	216.7
59°	216.3	208.7	206.1
60°	203.7	195.5	195.2
61°	191.4	183.2	185.0
62°	179.6	171.8	175.2
63°	169.0	161.9	165.4
64°	160.4	153.4	156.0
65°	152.8	145.6	146.7
66°	146.8	138.2	137.4
67°	140.2	130.7	128.5
68°	130.7	122.8	119.5
69°	120.1	114.8	109.9
70°	110.5	106.4	100.8
71°	109.9	97.8	91.6
72°	109.3	89.2	82.5
73°	108.8	80.6	74.6
74°	98.9	72.3	67.1
75°	80.8	64.1	59.6
76°	66.5	55.4	52.6
77°	56.0	47.6	45.5
78°	47.3	40.1	38.5
79°	39.5	32.6	31.7
80°	32.0	25.8	25.4
81°	24.7	19.7	19.8
82°	18.4	14.4	14.5
83°	13.0	11.8	11.6
84°	9.3	9.1	8.7
85°	5.6	6.5	5.8
86°	2.0	1.8	1.2
87°	0.4	0.4	0.3
88°	0.2	0.2	0.2
89°	0.1	0.1	0.1

REPORT NUMBER: P1440305

CATALOG NUMBER: XSF100-SFTR-4Hx4V-830-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: P1440305

CATALOG NUMBER: XSF100-SFTR-4Hx4V-830-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: P1440305

CATALOG NUMBER: XSF100-SFTR-4Hx4V-830-Position 3

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)