

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: P1440310

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

Issue Date: 04/15/2026

Test Information

Test Method: LM-79-2024
Report Number: P1440310
Test Lab: THIRD PARTY NVLAP
Issue Date: 7/15/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XSF100-SFTR-4Hx4V-840-Position 4
Description: LUMARK ALL SELECTABLE LUMINAIRE 100W w/ NEMA 4 FLOOD DISTRIBUTION 4000K CCT
80 CRI LIGHT ENGINE AT Position 4
Light Source: (1) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7298.2 lumens
Efficiency: N/A
Efficacy: 162.2 lumens/watt
Luminous Opening: Rectangular (W 0.4' x L: 0.4' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G0

Input Watts (W): 45
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

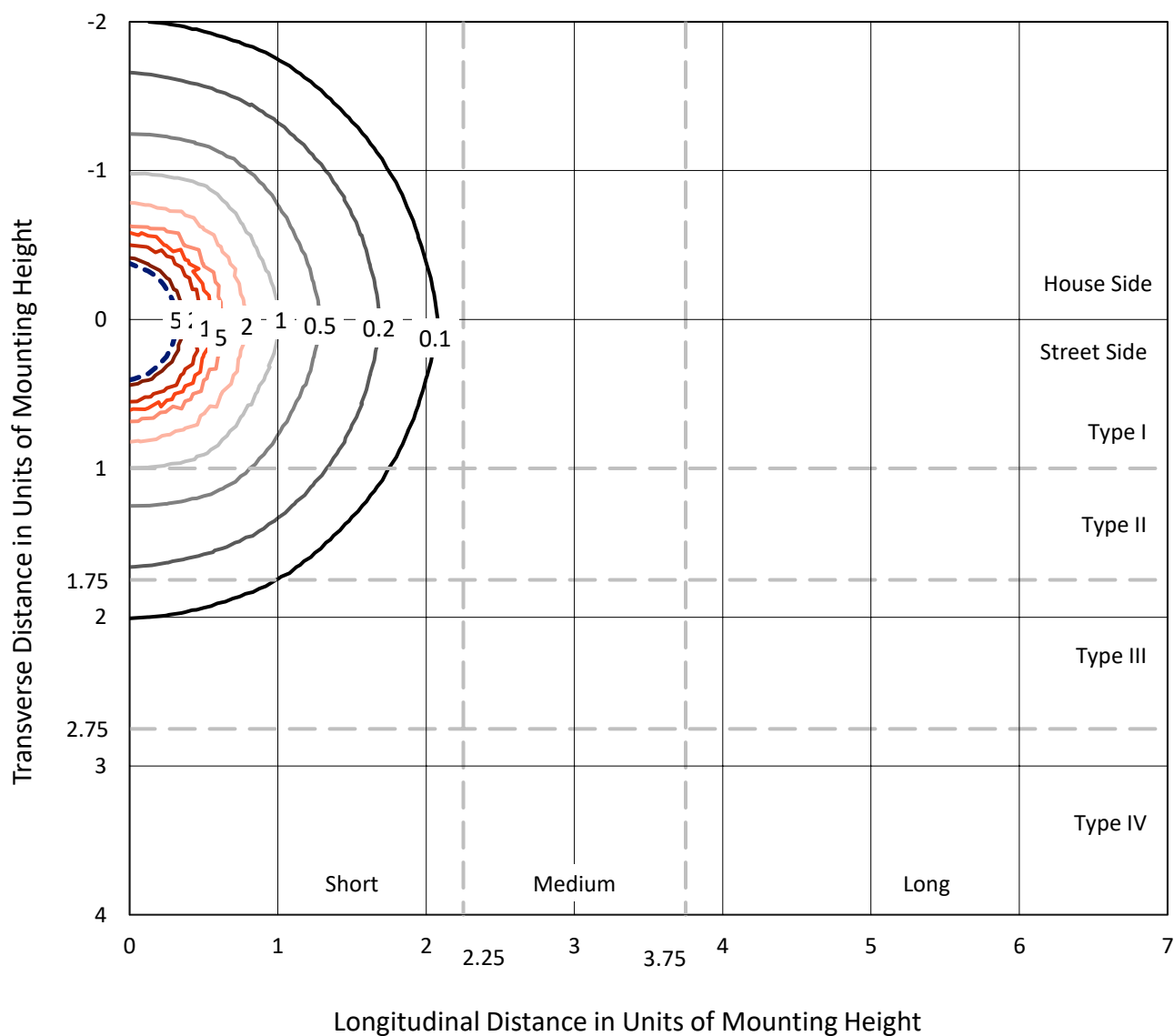
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



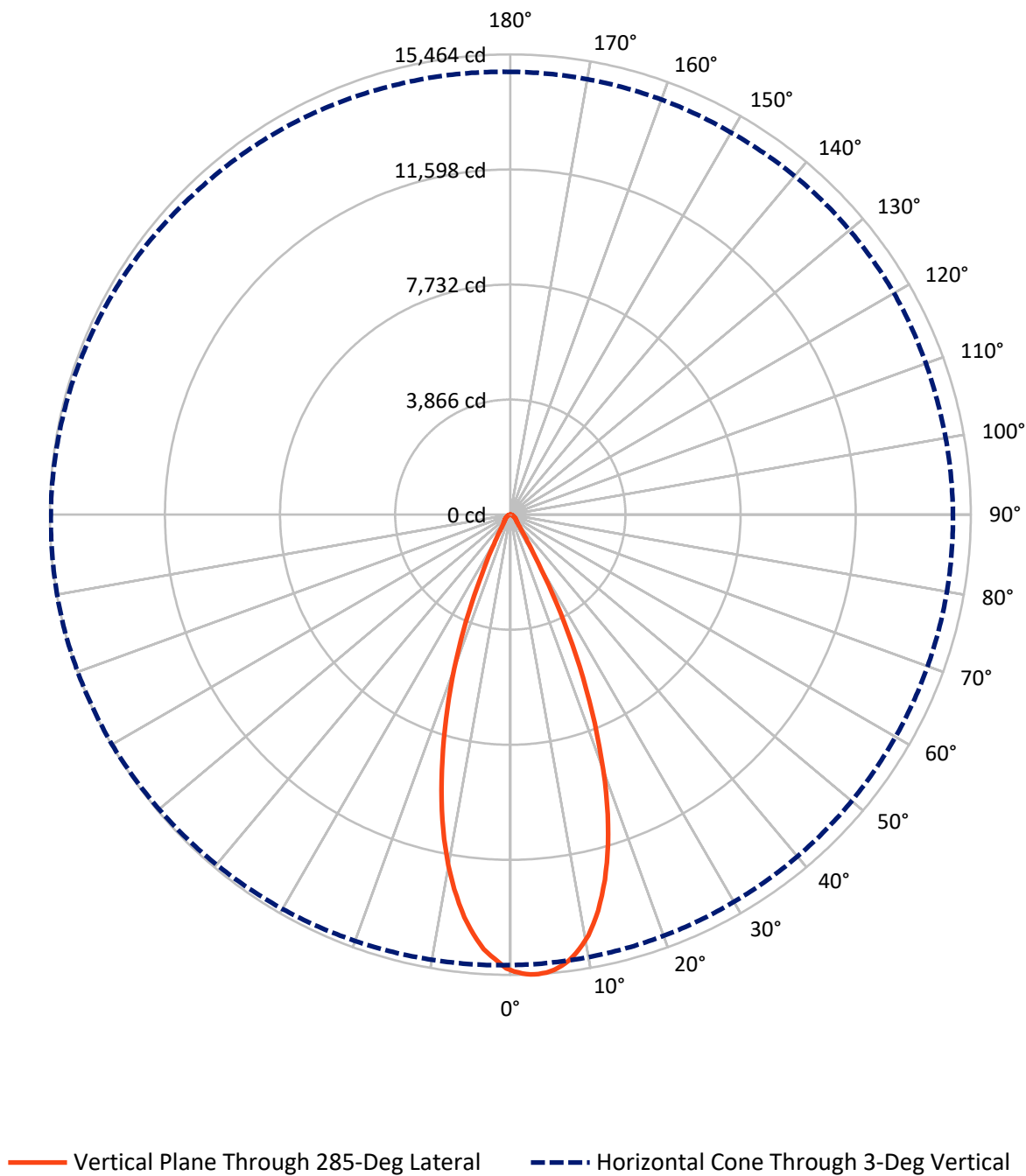
Based on 10 foot mounting height. Maximum calculated value = 153.5 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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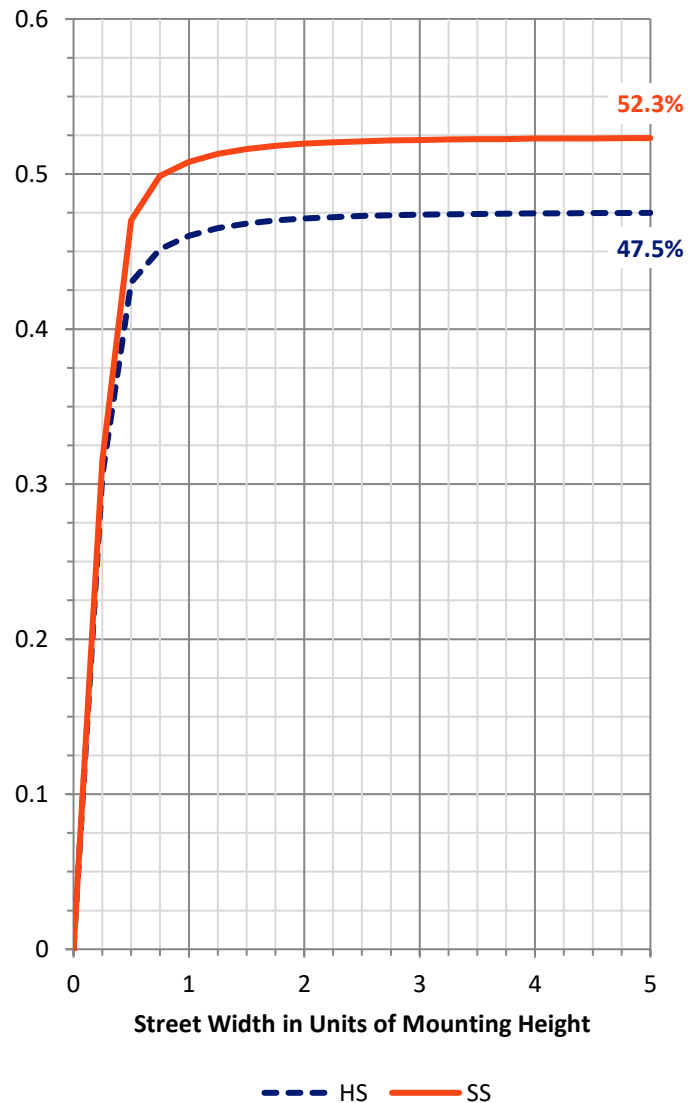
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3514.7	0.0	3514.7
	% Fixture	48.2	0.0	48.2
Street Side	Lumens	3783.5	0.0	3783.5
	% Fixture	51.8	0.0	51.8
Total	Lumens	7298.2	0.0	7298.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1359.2	18.6
10°-20°	3022.2	41.4
20°-30°	1935.5	26.5
30°-40°	431.3	5.9
40°-50°	224.5	3.1
50°-60°	163.3	2.2
60°-70°	105.1	1.4
70°-80°	50.3	0.7
80°-90°	6.9	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°	7298.2	100.0
0°-180°	7298.2	100.0

Coefficient of Utilization



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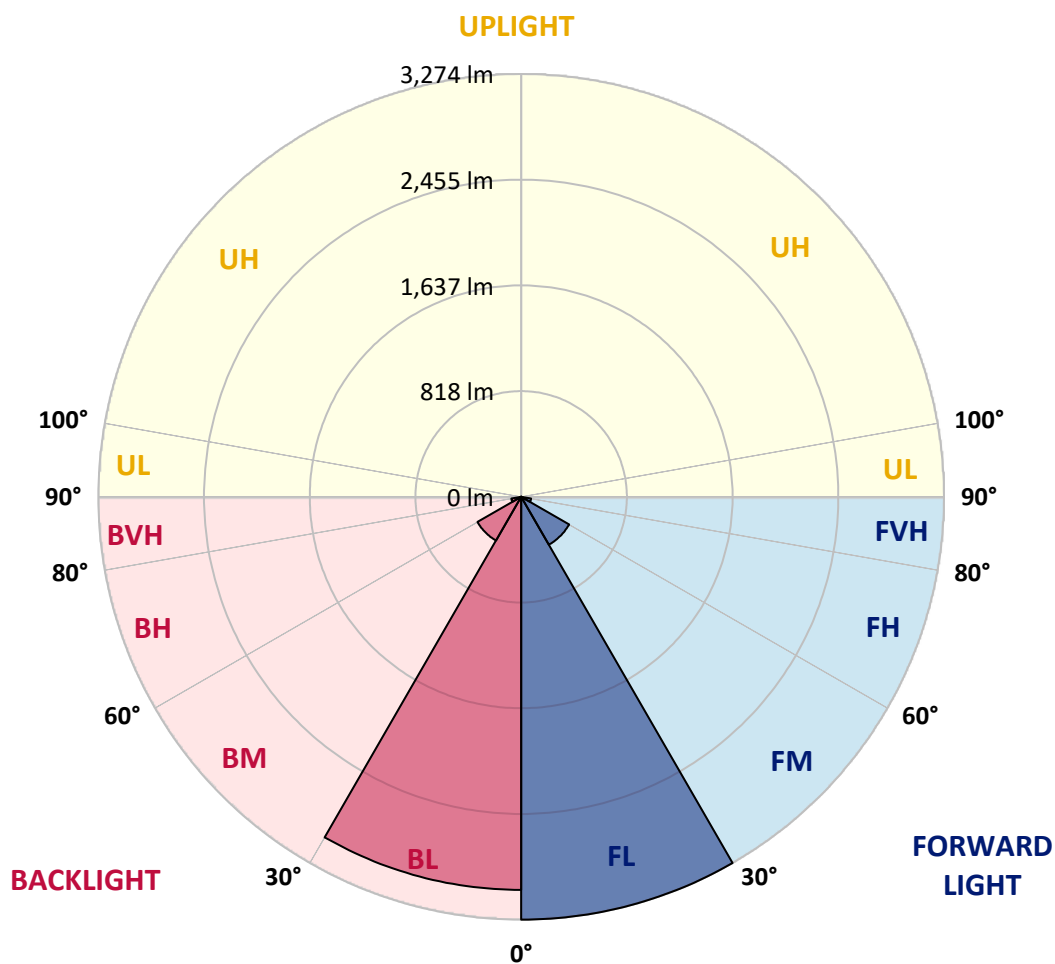
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3273.5	44.9			
FM	(30°-60°)	428.7	5.9			
FH	(60°-80°)	78.0	1.1			G0/660
FVH	(80°-90°)	3.3	0.0			G0/10
BL	(0°-30°)	3043.3	41.7	B4/5000		
BM	(30°-60°)	390.3	5.3	B1/1000		
BH	(60°-80°)	77.4	1.1	B0/110		G0/110
BVH	(80°-90°)	3.7	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	15349.9	15349.9	15349.9	15349.9	15349.9	15349.9	15349.9	15349.9	15349.9	15349.9	15349.9
1°	15355.5	15337.2	15307.8	15282.4	15260.2	15237.1	15249.0	15244.3	15237.1	15235.5	15235.5
2°	15282.4	15238.7	15188.7	15158.5	15121.2	15097.4	15057.6	15041.0	15060.8	15052.9	15029.8
3°	15136.3	15079.1	15021.1	14982.2	14936.9	14901.2	14865.4	14837.6	14882.1	14868.6	14824.1
4°	14940.1	14876.6	14809.1	14755.8	14709.8	14661.3	14672.4	14631.1	14609.7	14608.1	14617.6
5°	14713.7	14635.9	14562.8	14499.3	14431.8	14365.1	14377.0	14327.0	14311.1	14318.2	14342.0
6°	14473.1	14388.9	14303.1	14207.8	14117.3	14034.7	14029.1	13984.6	13982.3	14005.3	14067.2
7°	14242.0	14145.1	14025.9	13893.3	13771.0	13670.1	13649.5	13613.0	13607.4	13674.9	13781.3
8°	14024.4	13910.0	13748.0	13562.1	13394.5	13252.4	13227.0	13180.1	13203.1	13316.7	13479.5
9°	13805.2	13675.7	13461.3	13210.3	12978.4	12803.6	12753.6	12722.6	12769.5	12925.2	13159.5
10°	13591.5	13414.4	13159.5	12839.4	12541.5	12327.9	12247.7	12226.2	12311.2	12519.3	12806.0
11°	13341.3	13129.3	12822.7	12446.2	12088.8	11805.3	11710.8	11700.5	11816.4	12067.4	12411.3
12°	13023.6	12798.9	12464.5	12026.1	11615.5	11270.0	11126.2	11123.9	11288.3	11581.3	11964.9
13°	12658.3	12408.1	12039.6	11566.2	11101.6	10698.2	10519.5	10518.7	10722.0	11059.5	11474.9
14°	12237.4	11964.9	11552.7	11063.5	10565.5	10095.3	9869.8	9885.7	10120.8	10494.0	10928.5
15°	11781.5	11473.3	11015.1	10521.8	9969.9	9460.0	9205.8	9220.1	9487.0	9882.5	10328.8
16°	11293.0	10939.6	10427.3	9936.5	9338.5	8795.2	8519.6	8541.9	8818.2	9243.1	9682.4
17°	10791.9	10385.2	9830.9	9303.5	8688.8	8115.4	7840.7	7858.7	8133.6	8568.1	9020.8
18°	10300.3	9815.0	9205.8	8653.0	8018.5	7457.5	7168.4	7176.8	7437.7	7868.7	8334.6
19°	9768.9	9225.7	8559.3	7970.0	7321.2	6791.2	6501.7	6498.7	6735.2	7131.9	7612.8
20°	9202.6	8603.0	7893.8	7240.4	6652.7	6124.7	5847.9	5837.1	6052.8	6391.5	6866.0
21°	8568.9	7919.2	7175.6	6555.3	5984.4	5458.2	5189.4	5173.6	5364.2	5646.0	6072.1
22°	7847.4	7330.6	6455.7	5871.3	5301.3	4793.6	4538.7	4521.4	4683.5	4907.1	5286.3
23°	7039.6	6498.6	5735.9	5164.6	4630.2	4142.3	3900.2	3879.5	4022.4	4196.0	4521.6
24°	6230.3	5660.2	5007.3	4477.7	3976.0	3515.7	3287.4	3260.9	3381.1	3520.2	3802.3
25°	5421.1	4870.9	4296.9	3810.0	3351.9	2943.6	2739.7	2701.4	2790.7	2905.3	3145.0
26°	4602.4	4117.2	3619.7	3186.0	2780.3	2435.6	2264.7	2213.1	2272.8	2364.8	2554.9
27°	3774.3	3394.0	2992.7	2629.2	2288.5	2004.9	1936.7	1887.8	1929.7	2002.2	2066.3
28°	3013.4	2732.4	2431.1	2145.0	1866.5	1644.6	1608.8	1562.4	1586.7	1639.6	1748.6
29°	2389.1	2183.1	1973.6	1748.0	1532.5	1356.7	1281.3	1238.2	1246.9	1280.7	1430.8
30°	1871.7	1736.1	1592.2	1424.9	1260.9	1121.3	1068.7	1029.3	1031.9	1057.1	1114.7
31°	1475.8	1390.4	1292.3	1171.0	1045.3	937.1	899.7	866.0	867.1	888.7	926.9
32°	1172.4	1119.0	1062.9	973.3	877.9	796.8	768.9	737.2	740.1	759.5	784.8
33°	956.9	921.1	885.0	820.0	745.6	708.0	667.6	638.8	641.5	658.0	677.3
34°	794.0	771.7	751.7	727.2	663.4	620.2	590.8	561.9	563.0	580.3	596.0
35°	700.4	684.8	673.2	634.6	581.9	532.5	529.8	501.8	501.5	518.4	534.0
36°	608.0	599.0	595.1	542.0	500.4	480.0	482.2	454.4	453.3	470.2	486.6
37°	515.6	513.1	517.0	485.3	450.8	438.0	443.9	416.2	413.4	430.4	448.8
38°	462.3	462.0	470.7	440.6	411.2	403.6	412.0	384.6	381.6	398.5	418.8
39°	420.2	420.7	434.2	403.5	378.7	374.8	386.3	358.9	355.1	372.4	394.8
40°	385.7	387.3	404.6	372.7	352.1	351.2	364.8	337.5	333.2	351.0	374.8
41°	357.7	359.9	380.1	348.4	330.0	331.4	346.8	319.5	314.8	333.1	358.1
42°	333.5	337.2	359.4	328.0	311.5	314.7	331.8	304.0	299.0	318.0	343.3
43°	313.1	317.9	341.6	310.7	295.0	300.0	318.7	290.8	285.6	305.2	330.3
44°	295.1	301.4	325.6	295.6	280.3	286.9	307.0	279.3	273.2	294.0	318.8

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

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	279.4	286.5	311.5	282.3	267.3	275.1	296.4	268.8	262.1	283.5	307.3
46°	265.1	273.1	298.6	270.8	255.7	264.4	286.1	258.6	251.8	273.1	295.1
47°	252.6	261.0	286.9	260.7	245.2	254.3	274.9	248.6	242.1	262.3	281.6
48°	241.1	249.7	275.8	251.1	235.4	244.0	263.5	238.9	232.9	251.7	268.0
49°	229.9	238.4	264.1	241.6	226.0	234.2	252.3	229.4	224.1	240.9	254.1
50°	219.4	227.3	251.7	232.0	217.0	224.4	240.6	220.0	215.3	230.1	240.4
51°	209.7	216.1	238.6	221.9	208.2	214.4	228.7	210.6	207.0	219.7	227.3
52°	200.6	205.4	225.3	212.0	199.6	204.1	217.1	201.5	198.6	209.2	214.4
53°	192.2	195.2	212.5	201.9	191.2	194.4	206.1	192.4	190.2	198.9	202.1
54°	184.0	185.1	199.9	192.0	182.8	184.9	195.2	184.0	182.1	188.8	190.4
55°	176.0	175.4	187.8	182.3	174.8	175.9	185.1	175.7	174.2	179.2	180.2
56°	168.0	166.1	176.1	172.6	167.0	167.6	176.5	167.4	166.3	169.7	170.4
57°	160.4	157.5	165.3	163.2	159.4	159.8	167.9	159.2	158.4	160.2	160.6
58°	152.3	149.1	155.8	153.9	152.0	152.3	159.4	151.5	151.2	150.9	151.8
59°	144.9	141.3	147.0	144.9	144.9	145.2	151.7	144.2	144.1	142.2	143.4
60°	137.2	133.6	138.4	136.0	137.6	138.4	144.2	137.1	137.0	133.9	135.4
61°	130.0	126.4	130.1	127.7	130.4	132.0	137.2	130.6	129.9	126.6	127.8
62°	123.1	119.7	122.6	120.4	123.9	125.7	131.6	124.6	123.2	120.2	121.7
63°	116.2	113.4	116.0	113.9	117.3	119.9	127.5	118.8	116.9	114.2	116.4
64°	109.6	107.7	110.6	107.9	111.0	114.1	123.5	113.2	110.6	108.4	111.6
65°	103.1	102.0	106.0	102.2	104.7	108.4	118.5	107.3	104.3	102.6	106.2
66°	96.6	96.6	101.4	96.5	98.3	102.7	113.1	101.5	97.9	97.0	99.7
67°	90.3	91.3	95.6	90.7	91.8	97.3	107.2	95.8	91.3	91.6	92.4
68°	84.0	85.6	88.4	85.0	85.1	91.2	100.6	89.7	84.4	86.0	84.6
69°	77.3	80.0	81.3	78.9	78.0	84.8	93.6	83.5	77.0	80.0	79.6
70°	70.8	73.7	75.1	72.6	71.2	78.5	88.2	77.2	69.5	73.8	85.0
71°	64.4	67.7	76.6	66.2	64.5	71.9	96.7	70.6	63.1	67.3	88.4
72°	58.0	61.7	78.3	59.9	57.7	65.3	88.4	64.1	57.2	60.9	81.7
73°	52.4	55.8	80.0	53.4	51.7	58.8	74.5	57.7	51.3	54.1	67.7
74°	47.2	49.5	66.3	47.4	46.0	52.6	62.7	51.5	45.7	47.7	57.7
75°	41.9	43.2	53.1	41.5	40.5	46.5	54.0	45.9	40.5	42.0	50.3
76°	37.0	37.7	44.0	36.0	35.4	40.5	47.4	40.8	35.3	36.3	43.7
77°	32.0	32.2	37.1	30.9	30.6	34.5	41.8	35.3	30.5	30.7	37.7
78°	27.1	26.7	31.4	26.0	26.0	28.9	36.7	29.6	25.9	25.5	31.9
79°	22.3	21.6	26.2	21.2	21.6	23.8	31.4	24.5	21.5	21.2	26.9
80°	17.8	17.0	21.1	16.9	17.5	19.2	26.2	20.3	17.8	16.9	22.0
81°	13.9	12.9	16.0	13.1	13.7	15.1	21.4	16.1	14.0	12.6	17.7
82°	10.2	9.4	11.8	9.6	10.4	11.6	17.3	12.0	10.3	9.5	13.4
83°	8.2	7.6	8.1	7.5	8.0	8.9	13.1	9.3	8.1	7.5	9.2
84°	6.1	5.7	5.4	5.4	6.2	6.8	9.0	7.6	6.5	6.0	6.5
85°	4.1	3.9	2.7	3.3	4.5	4.7	5.6	5.6	4.6	4.2	3.9
86°	0.9	0.9	0.9	1.5	2.0	2.6	2.9	3.0	2.4	2.2	1.8
87°	0.2	0.2	0.2	0.3	0.6	0.8	1.2	1.0	0.8	0.9	0.8
88°	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.4	0.4
89°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2

REPORT NUMBER: P1440310

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P1440310

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P1440310
CATALOG NUMBER: XSF100-SFTR-4Hx4V-840-Position 4

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1440310

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

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	15349.9	15349.9	15349.9	15349.9	15349.9	15349.9	15349.9	15349.9	15349.9	15349.9	15349.9
1°	15257.0	15268.1	15295.1	15318.1	15344.4	15365.8	15384.9	15407.9	15423.0	15428.5	15423.0
2°	15052.1	15073.5	15119.6	15218.9	15282.4	15345.9	15397.6	15442.0	15462.7	15461.1	15429.3
3°	14847.2	14878.9	14944.1	15048.9	15136.3	15273.7	15372.9	15434.9	15464.3	15446.0	15375.3
4°	14641.5	14684.4	14767.8	14878.1	14990.9	15148.2	15312.6	15398.4	15432.5	15388.8	15278.4
5°	14388.9	14438.9	14524.7	14657.4	14844.8	15022.7	15226.8	15338.0	15368.2	15281.6	15133.1
6°	14130.8	14199.9	14288.8	14425.4	14635.1	14895.6	15066.4	15234.0	15255.4	15150.6	14960.7
7°	13881.4	13968.8	14072.0	14208.6	14421.5	14684.4	14905.2	15078.3	15105.3	14975.8	14763.0
8°	13630.4	13747.2	13861.5	13997.4	14195.1	14465.2	14743.9	14886.1	14908.3	14770.9	14544.6
9°	13365.2	13507.3	13639.2	13783.7	13969.6	14214.2	14490.6	14644.6	14661.3	14523.1	14312.7
10°	13062.6	13235.7	13394.5	13561.3	13724.1	13934.6	14188.8	14344.4	14380.2	14241.2	14068.8
11°	12708.3	12906.1	13103.9	13308.8	13466.0	13620.1	13841.7	13985.4	14020.4	13918.7	13809.1
12°	12301.7	12517.7	12746.5	13004.6	13172.2	13268.3	13442.2	13567.7	13620.9	13564.5	13536.7
13°	11835.5	12060.3	12328.7	12648.8	12841.0	12879.1	12997.4	13102.3	13170.6	13161.8	13216.6
14°	11316.1	11552.7	11851.4	12237.4	12451.0	12455.8	12522.5	12594.0	12676.6	12721.8	12865.6
15°	10756.9	11042.9	11344.7	11760.0	12003.9	11991.2	12002.3	12033.2	12131.7	12253.2	12462.1
16°	10174.8	10517.9	10826.0	11224.7	11482.1	11459.0	11440.8	11424.1	11548.8	11739.4	12007.0
17°	9589.4	10003.2	10305.8	10656.9	10906.2	10893.5	10832.4	10768.1	10925.3	11183.4	11476.5
18°	8962.0	9460.0	9777.7	10047.7	10254.2	10261.3	10172.4	10060.4	10230.4	10563.9	10869.7
19°	8278.2	8861.9	9197.1	9412.3	9552.1	9581.5	9438.5	9314.6	9508.4	9900.0	10209.7
20°	7543.0	8174.9	8552.2	8713.4	8788.9	8838.9	8696.7	8538.7	8739.6	9168.5	9469.5
21°	6741.1	7415.4	7800.4	7952.5	7986.7	8062.9	7896.2	7756.8	7962.9	8394.9	8695.1
22°	5915.8	6575.0	6982.3	7118.8	7154.3	7255.0	7111.9	6970.7	7180.1	7601.2	7886.8
23°	5084.4	5707.6	6106.0	6245.8	6296.7	6426.4	6299.4	6184.5	6397.1	6789.1	7044.4
24°	4284.1	4828.5	5218.0	5367.9	5442.8	5609.8	5505.9	5398.4	5614.0	5976.6	6201.8
25°	3524.2	3976.0	4339.5	4516.7	4621.6	4794.7	4722.0	4619.2	4842.8	5164.1	5359.1
26°	2843.9	3194.8	3524.0	3723.5	3851.8	4012.2	3944.0	3865.8	4083.0	4391.9	4556.0
27°	2268.5	2520.9	2805.7	3030.0	3150.4	3276.3	3223.0	3150.9	3353.0	3637.3	3798.5
28°	1896.0	2094.7	2198.8	2408.8	2534.5	2611.9	2566.4	2519.0	2689.7	2941.9	3098.0
29°	1523.5	1668.4	1833.1	2015.9	2018.7	2060.8	2024.5	1992.1	2123.7	2333.1	2482.7
30°	1154.0	1243.5	1467.2	1622.9	1658.7	1677.1	1654.4	1578.8	1666.7	1825.7	1952.1
31°	945.2	1009.9	1107.3	1234.5	1299.1	1295.5	1284.7	1266.5	1324.6	1435.2	1541.1
32°	788.3	834.4	906.4	1007.5	1055.0	1046.2	1038.5	1032.6	1069.7	1141.9	1222.3
33°	673.0	704.5	760.7	840.4	873.8	858.3	856.9	859.7	882.7	927.0	986.3
34°	586.4	607.4	649.3	716.4	735.5	720.8	722.9	727.0	743.8	770.1	811.6
35°	518.7	532.5	566.3	623.1	632.1	617.0	622.3	643.9	662.0	680.8	714.3
36°	467.6	475.4	503.2	554.2	553.1	539.4	546.2	561.5	581.1	592.5	617.8
37°	425.9	430.8	453.0	500.7	492.9	480.4	488.3	505.5	500.1	504.1	521.3
38°	392.6	395.0	413.9	459.9	446.0	433.5	441.7	463.0	453.5	453.7	467.0
39°	365.4	366.2	382.8	427.8	408.8	397.4	404.6	428.0	415.6	412.8	424.6
40°	343.3	342.1	357.4	401.9	378.7	366.9	374.1	399.3	384.4	379.4	390.2
41°	324.8	321.9	336.3	380.3	354.0	342.1	349.0	375.6	358.8	351.4	362.6
42°	309.1	304.3	318.8	361.7	334.1	320.8	327.5	356.1	336.6	327.7	339.5
43°	295.6	289.5	303.8	345.3	317.2	302.9	309.2	339.7	317.8	307.6	320.3
44°	283.7	276.2	290.9	330.9	302.4	287.1	293.6	325.2	301.6	290.2	303.9

REPORT NUMBER: P1440310

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

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	272.8	264.4	279.7	318.1	289.5	273.0	279.7	312.9	287.7	275.4	289.8
46°	262.3	253.5	269.5	306.1	278.1	260.4	267.7	301.7	275.1	261.6	277.2
47°	251.6	243.0	259.3	294.5	267.6	248.9	256.7	291.3	263.9	249.4	266.0
48°	240.7	233.3	249.1	281.9	257.5	238.3	247.2	281.5	253.8	238.6	255.9
49°	230.0	224.1	238.8	268.2	247.0	228.8	238.7	271.8	244.8	229.1	246.7
50°	219.4	215.1	228.5	254.4	236.2	219.6	229.7	261.2	236.4	219.9	237.9
51°	208.9	206.5	218.5	240.2	225.4	210.5	220.8	249.3	227.1	211.3	228.8
52°	198.6	197.8	208.5	226.6	214.6	201.7	211.3	237.2	217.3	202.7	219.3
53°	188.5	189.6	198.1	213.4	203.8	193.3	202.1	224.5	207.6	194.4	209.7
54°	179.3	181.8	188.2	200.4	192.9	184.8	192.9	211.7	198.0	186.4	199.6
55°	170.4	173.9	178.7	187.9	182.2	176.6	184.0	198.9	187.9	178.1	189.3
56°	161.5	165.9	169.1	177.2	172.6	168.4	175.0	186.9	178.2	170.0	178.5
57°	153.6	158.0	159.6	166.6	163.0	160.2	166.1	175.7	168.6	162.0	168.4
58°	145.9	150.8	150.6	155.9	153.5	152.5	157.2	166.0	159.9	154.2	158.8
59°	138.1	143.6	141.5	146.9	145.0	145.0	148.9	157.1	151.5	146.5	149.6
60°	130.7	136.5	132.7	138.1	136.5	137.7	140.7	149.0	143.2	139.1	140.4
61°	124.1	129.6	125.0	129.7	128.6	130.8	133.1	141.0	135.3	131.9	131.3
62°	118.3	122.9	118.5	122.8	121.4	124.0	126.1	133.7	127.9	125.0	123.0
63°	112.9	116.3	112.9	116.8	114.9	117.5	120.1	127.6	121.3	118.1	115.6
64°	107.5	109.8	107.5	112.3	109.0	111.1	114.7	123.4	115.4	111.7	109.4
65°	102.2	103.1	102.3	107.7	103.5	104.9	109.5	120.6	109.8	105.6	103.8
66°	96.6	96.6	97.0	102.6	98.0	98.7	104.2	117.2	104.4	99.4	98.3
67°	91.0	90.4	91.6	96.4	92.6	92.5	98.5	112.7	98.8	93.4	92.9
68°	85.1	83.7	85.9	89.1	87.3	86.1	93.0	107.4	93.4	87.1	87.6
69°	79.1	76.5	79.9	82.2	81.7	79.5	87.3	101.2	87.9	80.7	82.1
70°	73.0	69.7	73.9	78.5	75.7	72.5	81.4	94.5	82.0	73.6	76.3
71°	66.9	63.6	67.9	79.8	69.6	66.0	75.2	87.6	76.2	67.4	70.1
72°	60.6	58.0	61.7	83.4	63.3	60.0	68.8	87.0	69.7	61.3	63.8
73°	54.3	52.6	55.6	74.1	56.9	54.1	62.2	84.2	63.3	55.2	57.6
74°	48.2	47.4	49.4	60.3	50.6	48.4	55.7	71.6	56.9	49.4	51.4
75°	42.5	42.1	43.4	51.0	44.5	43.0	49.7	61.1	50.3	43.8	45.1
76°	36.9	37.0	37.9	43.5	38.7	37.8	43.7	50.5	44.4	38.6	39.3
77°	31.6	32.2	32.6	37.5	33.0	32.9	38.4	43.4	39.1	33.5	33.9
78°	26.6	27.4	27.3	32.1	27.6	28.2	33.1	37.4	33.2	28.7	28.7
79°	22.0	23.1	22.5	27.2	22.6	23.7	27.7	31.8	27.4	24.1	23.6
80°	18.2	19.3	18.7	22.5	18.6	19.8	22.6	26.7	22.3	19.8	19.1
81°	14.5	15.4	14.8	18.2	14.7	15.8	18.6	21.9	17.6	15.8	15.1
82°	10.7	11.7	11.0	14.0	10.7	11.9	14.7	17.4	13.7	12.2	11.3
83°	9.3	10.1	9.3	9.9	8.4	9.1	10.8	13.5	10.3	9.1	8.0
84°	8.9	9.9	9.1	7.4	7.7	8.0	8.9	9.8	8.6	7.2	6.3
85°	7.1	7.8	7.4	4.6	6.3	6.7	7.5	7.0	6.3	5.4	4.5
86°	3.7	4.0	4.3	2.3	3.9	4.4	4.9	4.3	4.0	3.5	2.6
87°	1.1	1.1	1.3	1.0	1.6	1.4	1.7	1.6	1.7	1.3	0.8
88°	0.4	0.4	0.5	0.4	0.5	0.5	0.7	0.5	0.5	0.3	0.2
89°	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1

REPORT NUMBER: P1440310

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

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1440310

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P1440310
CATALOG NUMBER: XSF100-SFTR-4Hx4V-840-Position 4

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1440310

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	15349.9	15349.9	15349.9
1°	15404.7	15381.7	15355.5
2°	15384.9	15333.2	15282.4
3°	15299.1	15214.1	15136.3
4°	15152.9	15033.0	14940.1
5°	14971.9	14827.3	14713.7
6°	14758.2	14589.8	14473.1
7°	14538.2	14363.5	14242.0
8°	14324.6	14149.1	14024.4
9°	14103.8	13944.1	13805.2
10°	13894.1	13736.9	13591.5
11°	13676.5	13512.1	13341.3
12°	13439.8	13242.1	13023.6
13°	13150.7	12911.7	12658.3
14°	12805.2	12521.7	12237.4
15°	12407.3	12092.0	11781.5
16°	11948.3	11629.0	11293.0
17°	11441.6	11131.8	10791.9
18°	10888.8	10618.7	10300.3
19°	10291.5	10100.1	9768.9
20°	9620.4	9543.4	9202.6
21°	8925.5	8930.2	8568.9
22°	8160.6	8235.3	7847.4
23°	7368.0	7463.3	7039.6
24°	6513.5	6607.8	6230.3
25°	5658.6	5752.0	5421.1
26°	4803.8	4896.1	4602.4
27°	3992.6	4045.0	3774.3
28°	3236.1	3229.9	3013.4
29°	2576.3	2536.1	2389.1
30°	2016.2	1971.7	1871.7
31°	1581.5	1536.7	1475.8
32°	1252.7	1216.5	1172.4
33°	1007.5	981.3	956.9
34°	831.7	810.4	794.0
35°	735.2	714.4	700.4
36°	640.1	619.3	608.0
37°	544.9	524.3	515.6
38°	492.5	470.8	462.3
39°	453.5	428.3	420.2
40°	421.7	393.7	385.7
41°	397.1	366.0	357.7
42°	376.4	342.5	333.5
43°	358.8	322.6	313.1
44°	343.0	305.2	295.1

REPORT NUMBER: P1440310

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	328.5	290.0	279.4
46°	314.9	276.2	265.1
47°	302.4	263.9	252.6
48°	290.6	253.3	241.1
49°	279.1	243.2	229.9
50°	267.5	233.6	219.4
51°	255.4	224.2	209.7
52°	241.9	214.4	200.6
53°	228.0	205.0	192.2
54°	213.8	195.5	184.0
55°	200.0	185.9	176.0
56°	186.2	176.2	168.0
57°	173.8	166.3	160.4
58°	162.4	156.5	152.3
59°	152.0	146.7	144.9
60°	143.2	137.4	137.2
61°	134.5	128.7	130.0
62°	126.2	120.7	123.1
63°	118.8	113.8	116.2
64°	112.7	107.9	109.6
65°	107.4	102.3	103.1
66°	103.2	97.1	96.6
67°	98.6	91.9	90.3
68°	91.9	86.3	84.0
69°	84.4	80.7	77.3
70°	77.7	74.8	70.8
71°	77.2	68.7	64.4
72°	76.8	62.7	58.0
73°	76.5	56.7	52.4
74°	69.5	50.8	47.2
75°	56.8	45.0	41.9
76°	46.7	38.9	37.0
77°	39.4	33.4	32.0
78°	33.2	28.2	27.1
79°	27.8	22.9	22.3
80°	22.5	18.1	17.8
81°	17.4	13.9	13.9
82°	12.9	10.2	10.2
83°	9.1	8.3	8.2
84°	6.5	6.4	6.1
85°	4.0	4.6	4.1
86°	1.4	1.3	0.9
87°	0.3	0.2	0.2
88°	0.1	0.1	0.1
89°	0.1	0.1	0.1

REPORT NUMBER: P1440310

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

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1440310

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

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1440310

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)