

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: P1440306

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

Issue Date: 04/15/2026

Test Information

Test Method: LM-79-2024
Report Number: P1440306
Test Lab: THIRD PARTY NVLAP
Issue Date: 7/15/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XSF100-SFTR-4Hx4V-830-Position 4
Description: LUMARK ALL SELECTABLE LUMINAIRE 100W w/ NEMA 4 FLOOD DISTRIBUTION 3000K CCT
80 CRI LIGHT ENGINE AT Position 4
Light Source: (1) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7155.1 lumens
Efficiency: N/A
Efficacy: 159.0 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

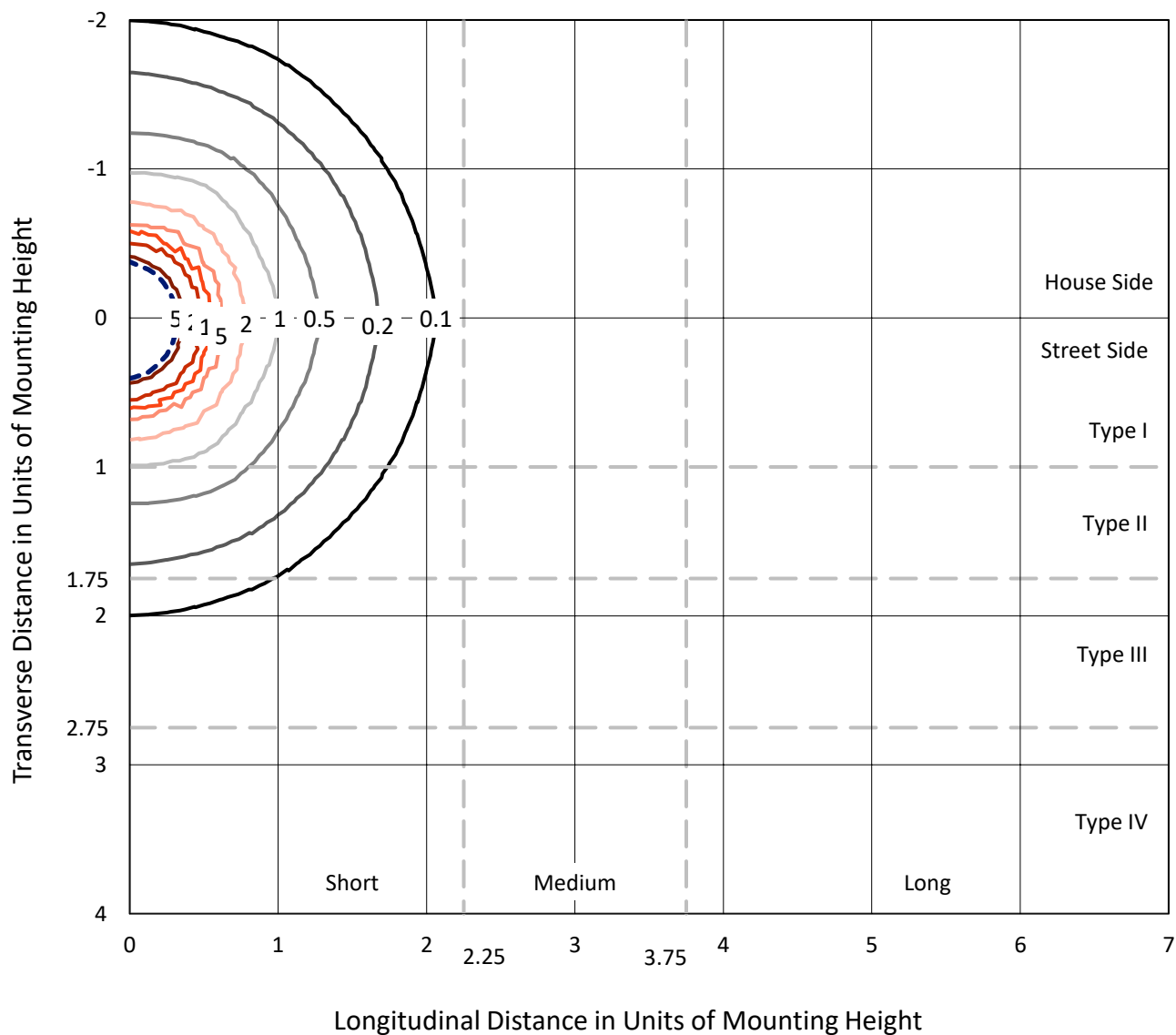
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



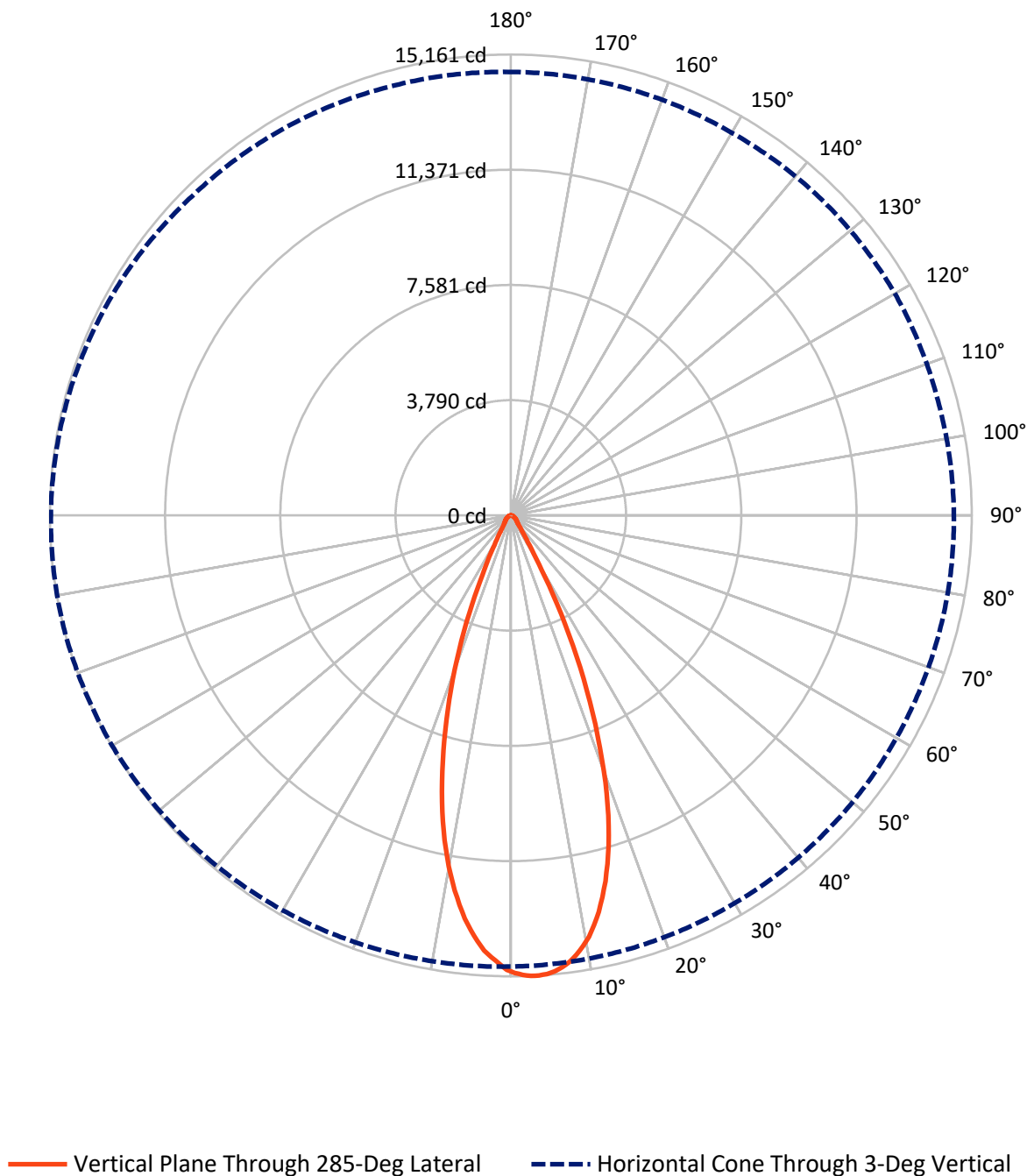
Based on 10 foot mounting height. Maximum calculated value = 150.5 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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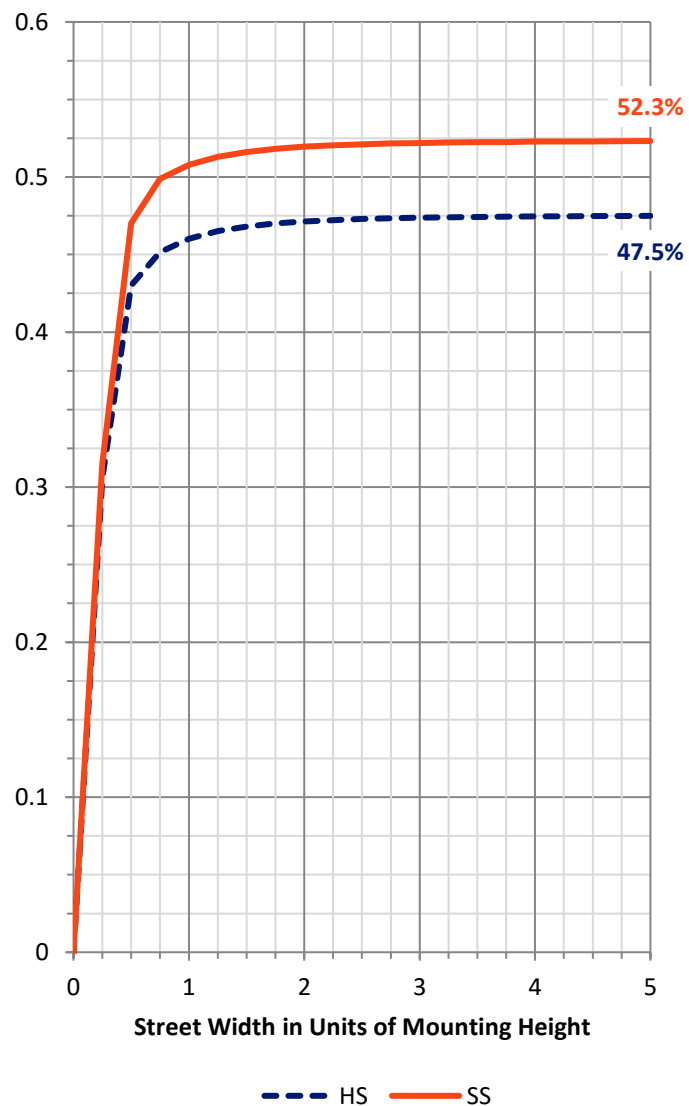
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3445.8	0.0	3445.8
	% Fixture	48.2	0.0	48.2
Street Side	Lumens	3709.3	0.0	3709.3
	% Fixture	51.8	0.0	51.8
Total	Lumens	7155.1	0.0	7155.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1332.5	18.6
10°-20°	2962.9	41.4
20°-30°	1897.5	26.5
30°-40°	422.8	5.9
40°-50°	220.1	3.1
50°-60°	160.1	2.2
60°-70°	103.1	1.4
70°-80°	49.3	0.7
80°-90°	6.8	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°	7155.1	100.0
0°-180°	7155.1	100.0

Coefficient of Utilization



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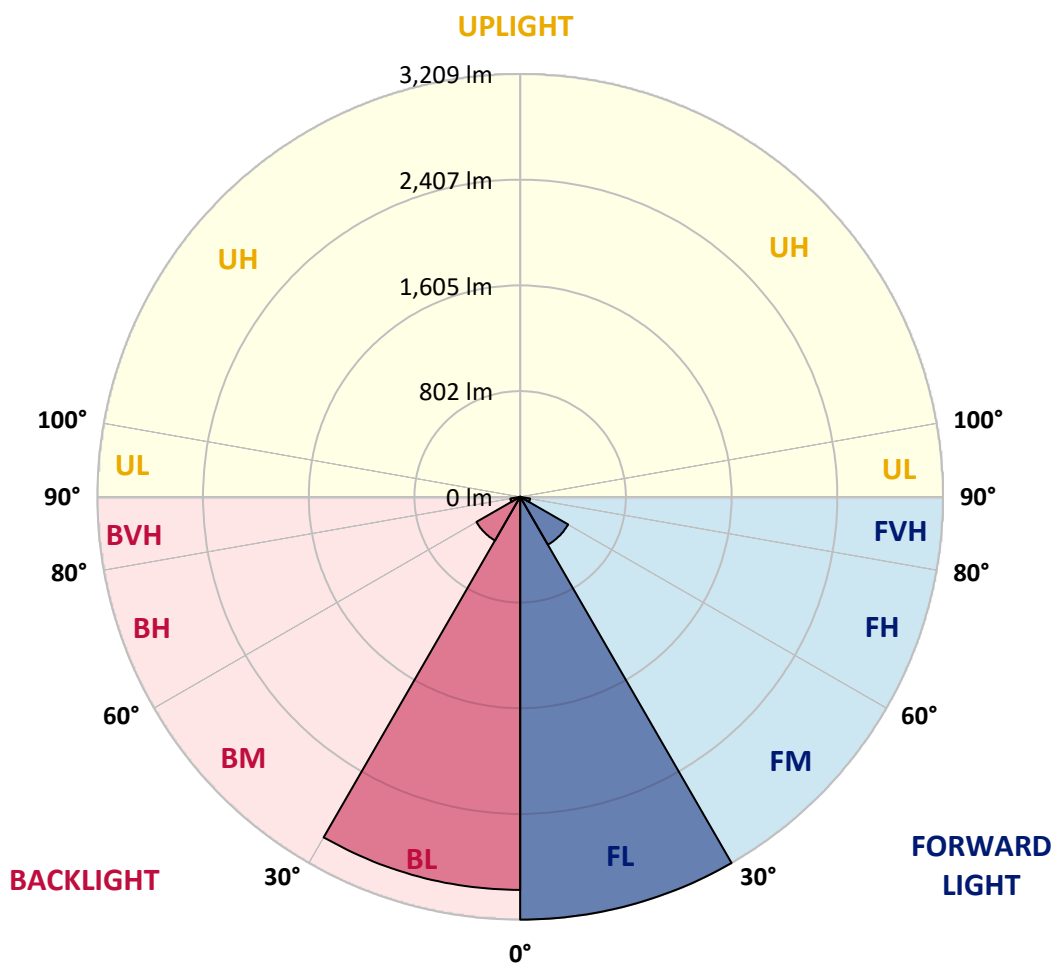
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3209.3	44.9			
FM	(30°-60°)	420.3	5.9			
FH	(60°-80°)	76.5	1.1			G0/660
FVH	(80°-90°)	3.2	0.0			G0/10
BL	(0°-30°)	2983.6	41.7	B4/5000		
BM	(30°-60°)	382.6	5.3	B1/1000		
BH	(60°-80°)	75.9	1.1	B0/110		G0/110
BVH	(80°-90°)	3.6	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°	15048.9	15048.9	15048.9	15048.9	15048.9	15048.9	15048.9	15048.9	15048.9	15048.9	15048.9
1°	15054.4	15036.5	15007.7	14982.8	14961.0	14938.4	14950.0	14945.4	14938.4	14936.8	14936.8
2°	14982.8	14939.9	14890.9	14861.3	14824.7	14801.3	14762.4	14746.0	14765.5	14757.7	14735.1
3°	14839.5	14783.4	14726.6	14688.4	14644.0	14609.0	14574.0	14546.7	14590.3	14577.1	14533.5
4°	14647.2	14584.9	14518.7	14466.5	14421.3	14373.8	14384.8	14344.3	14323.2	14321.7	14331.0
5°	14425.2	14348.9	14277.3	14215.0	14148.8	14083.4	14095.1	14046.0	14030.5	14037.5	14060.8
6°	14189.3	14106.8	14022.7	13929.2	13840.5	13759.5	13754.0	13710.4	13708.1	13730.7	13791.4
7°	13962.7	13867.7	13750.9	13620.9	13501.0	13402.1	13381.9	13346.0	13340.6	13406.8	13511.1
8°	13749.4	13637.2	13478.4	13296.2	13131.9	12992.5	12967.6	12921.7	12944.3	13055.6	13215.2
9°	13534.5	13407.5	13197.3	12951.3	12723.9	12552.6	12503.5	12473.2	12519.1	12671.7	12901.4
10°	13325.0	13151.4	12901.4	12587.6	12295.6	12086.2	12007.5	11986.5	12069.8	12273.8	12554.9
11°	13079.7	12871.8	12571.3	12202.2	11851.8	11573.8	11481.2	11471.0	11584.7	11830.8	12167.9
12°	12768.3	12547.9	12220.1	11790.3	11387.7	11049.0	10908.1	10905.7	11066.9	11354.3	11730.3
13°	12410.1	12164.8	11803.5	11339.5	10883.9	10488.4	10313.2	10312.4	10511.8	10842.7	11249.9
14°	11997.4	11730.3	11326.2	10846.6	10358.4	9897.4	9676.3	9691.8	9922.3	10288.3	10714.2
15°	11550.5	11248.4	10799.1	10315.5	9774.4	9274.5	9025.3	9039.3	9301.0	9688.7	10126.3
16°	11071.6	10725.1	10222.9	9741.7	9155.3	8622.8	8352.6	8374.4	8645.3	9061.9	9492.5
17°	10580.3	10181.6	9638.1	9121.1	8518.4	7956.2	7687.0	7704.6	7974.1	8400.1	8843.9
18°	10098.3	9622.5	9025.3	8483.4	7861.2	7311.3	7027.8	7036.1	7291.9	7714.4	8171.1
19°	9577.4	9044.8	8391.5	7813.7	7177.7	6658.1	6374.2	6371.3	6603.2	6992.1	7463.6
20°	9022.2	8434.3	7739.1	7098.5	6522.3	6004.6	5733.3	5722.7	5934.2	6266.2	6731.3
21°	8400.8	7763.9	7034.9	6426.8	5867.0	5351.2	5087.7	5072.1	5259.0	5535.3	5953.1
22°	7693.5	7186.8	6329.2	5756.2	5197.4	4699.6	4449.7	4432.8	4591.7	4810.9	5182.7
23°	6901.5	6371.1	5623.5	5063.3	4539.4	4061.0	3823.7	3803.4	3943.5	4113.7	4432.9
24°	6108.2	5549.2	4909.1	4389.9	3898.1	3446.8	3222.9	3197.0	3314.8	3451.2	3727.7
25°	5314.8	4775.4	4212.6	3735.3	3286.2	2885.9	2685.9	2648.4	2736.0	2848.4	3083.4
26°	4512.1	4036.4	3548.8	3123.5	2725.8	2387.9	2220.3	2169.7	2228.3	2318.4	2504.8
27°	3700.3	3327.5	2934.0	2577.6	2243.6	1965.5	1898.7	1850.8	1891.9	1963.0	2025.8
28°	2954.3	2678.8	2383.4	2102.9	1829.9	1612.3	1577.2	1531.8	1555.6	1607.4	1714.3
29°	2342.3	2140.3	1934.9	1713.7	1502.4	1330.1	1256.2	1213.9	1222.5	1255.6	1402.7
30°	1835.0	1702.0	1561.0	1397.0	1236.2	1099.3	1047.7	1009.1	1011.6	1036.4	1092.8
31°	1446.9	1363.1	1266.9	1148.0	1024.8	918.7	882.1	849.0	850.1	871.2	908.8
32°	1149.4	1097.0	1042.1	954.2	860.7	781.1	753.9	722.8	725.6	744.6	769.4
33°	938.1	903.1	867.6	803.9	731.0	694.1	654.5	626.3	628.9	645.1	664.1
34°	778.4	756.6	736.9	713.0	650.4	608.1	579.2	550.9	552.0	569.0	584.3
35°	686.7	671.4	660.0	622.2	570.5	522.0	519.5	492.0	491.7	508.2	523.5
36°	596.1	587.2	583.4	531.4	490.6	470.6	472.8	445.5	444.4	461.0	477.1
37°	505.5	503.1	506.8	475.8	442.0	429.4	435.2	408.1	405.3	422.0	440.0
38°	453.2	452.9	461.5	432.0	403.1	395.7	403.9	377.0	374.1	390.7	410.6
39°	411.9	412.5	425.7	395.6	371.3	367.5	378.7	351.9	348.1	365.1	387.1
40°	378.1	379.7	396.7	365.3	345.2	344.3	357.6	330.9	326.7	344.1	367.5
41°	350.7	352.9	372.7	341.5	323.5	324.9	340.0	313.3	308.7	326.5	351.1
42°	327.0	330.6	352.4	321.6	305.4	308.6	325.3	298.1	293.2	311.8	336.6
43°	307.0	311.7	334.9	304.6	289.2	294.1	312.5	285.1	280.0	299.2	323.8
44°	289.4	295.5	319.2	289.8	274.8	281.3	301.0	273.8	267.8	288.3	312.6

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

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	273.9	280.8	305.4	276.8	262.0	269.7	290.6	263.5	256.9	277.9	301.3
46°	259.9	267.7	292.8	265.5	250.7	259.2	280.5	253.5	246.9	267.7	289.3
47°	247.7	255.9	281.2	255.6	240.4	249.4	269.5	243.8	237.3	257.2	276.1
48°	236.4	244.8	270.4	246.2	230.8	239.2	258.3	234.2	228.4	246.8	262.7
49°	225.4	233.7	258.9	236.8	221.5	229.6	247.3	224.9	219.7	236.1	249.1
50°	215.1	222.8	246.8	227.5	212.8	220.0	235.9	215.7	211.1	225.6	235.7
51°	205.6	211.9	233.9	217.6	204.2	210.2	224.3	206.5	203.0	215.4	222.8
52°	196.6	201.3	220.9	207.8	195.7	200.1	212.9	197.6	194.7	205.1	210.2
53°	188.5	191.4	208.3	197.9	187.4	190.6	202.1	188.7	186.5	195.0	198.2
54°	180.4	181.4	196.0	188.3	179.2	181.2	191.4	180.4	178.5	185.1	186.6
55°	172.5	172.0	184.1	178.7	171.4	172.4	181.5	172.3	170.7	175.7	176.7
56°	164.7	162.9	172.7	169.2	163.7	164.3	173.1	164.1	163.0	166.4	167.0
57°	157.2	154.4	162.0	160.0	156.3	156.7	164.7	156.0	155.3	157.0	157.4
58°	149.3	146.2	152.8	150.9	149.0	149.3	156.2	148.5	148.2	147.9	148.8
59°	142.1	138.5	144.1	142.1	142.1	142.4	148.8	141.3	141.3	139.4	140.6
60°	134.5	131.0	135.7	133.3	134.9	135.7	141.4	134.4	134.3	131.3	132.7
61°	127.5	123.9	127.6	125.2	127.9	129.5	134.5	128.0	127.3	124.1	125.3
62°	120.7	117.3	120.2	118.1	121.5	123.3	129.0	122.1	120.8	117.9	119.3
63°	114.0	111.1	113.7	111.6	115.0	117.5	125.0	116.5	114.6	112.0	114.1
64°	107.5	105.6	108.5	105.8	108.8	111.8	121.0	110.9	108.4	106.3	109.4
65°	101.1	100.0	103.9	100.2	102.6	106.2	116.2	105.2	102.3	100.6	104.1
66°	94.7	94.7	99.4	94.6	96.3	100.7	110.9	99.5	95.9	95.1	97.8
67°	88.5	89.5	93.7	88.9	90.0	95.4	105.1	93.9	89.5	89.8	90.5
68°	82.3	83.9	86.6	83.3	83.4	89.4	98.7	88.0	82.8	84.3	83.0
69°	75.8	78.4	79.7	77.3	76.4	83.1	91.7	81.9	75.5	78.4	78.0
70°	69.5	72.3	73.6	71.1	69.8	76.9	86.5	75.7	68.2	72.3	83.4
71°	63.2	66.4	75.1	64.9	63.2	70.5	94.8	69.3	61.9	66.0	86.7
72°	56.9	60.5	76.8	58.7	56.6	64.1	86.7	62.9	56.1	59.7	80.1
73°	51.4	54.7	78.4	52.4	50.7	57.6	73.1	56.6	50.3	53.1	66.4
74°	46.3	48.6	65.0	46.5	45.1	51.5	61.4	50.5	44.8	46.8	56.6
75°	41.1	42.4	52.1	40.6	39.7	45.6	52.9	45.0	39.7	41.1	49.3
76°	36.2	36.9	43.1	35.3	34.7	39.7	46.5	40.0	34.6	35.6	42.8
77°	31.3	31.6	36.4	30.3	30.0	33.9	41.0	34.6	29.9	30.1	36.9
78°	26.5	26.2	30.8	25.5	25.4	28.4	35.9	29.1	25.3	25.0	31.3
79°	21.9	21.1	25.7	20.8	21.2	23.3	30.8	24.0	21.1	20.8	26.4
80°	17.5	16.6	20.7	16.6	17.2	18.8	25.7	19.9	17.4	16.6	21.5
81°	13.6	12.7	15.7	12.9	13.5	14.8	21.0	15.8	13.7	12.3	17.4
82°	10.0	9.3	11.6	9.4	10.2	11.3	16.9	11.7	10.1	9.3	13.2
83°	8.0	7.4	7.9	7.3	7.8	8.7	12.9	9.1	8.0	7.3	9.0
84°	6.0	5.6	5.3	5.3	6.1	6.6	8.8	7.4	6.4	5.9	6.4
85°	4.0	3.8	2.6	3.3	4.4	4.6	5.5	5.5	4.6	4.1	3.8
86°	0.8	0.9	0.9	1.5	2.0	2.5	2.9	3.0	2.4	2.2	1.8
87°	0.2	0.2	0.2	0.3	0.6	0.8	1.1	1.0	0.8	0.9	0.7
88°	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.4
89°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1



REPORT NUMBER: P1440306

CATALOG NUMBER: XSF100-SFTR-4Hx4V-830-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: P1440306

CATALOG NUMBER: XSF100-SFTR-4Hx4V-830-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: P1440306
CATALOG NUMBER: XSF100-SFTR-4Hx4V-830-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: P1440306

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

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	15048.9	15048.9	15048.9	15048.9	15048.9	15048.9	15048.9	15048.9	15048.9	15048.9	15048.9
1°	14957.8	14968.7	14995.2	15017.8	15043.5	15064.5	15083.2	15105.8	15120.6	15126.0	15120.6
2°	14756.9	14778.0	14823.1	14920.5	14982.8	15045.0	15095.7	15139.3	15159.5	15157.9	15126.8
3°	14556.1	14587.2	14651.0	14753.8	14839.5	14974.2	15071.5	15132.3	15161.1	15143.2	15073.9
4°	14354.4	14396.4	14478.2	14586.4	14697.0	14851.2	15012.3	15096.4	15129.9	15087.1	14978.9
5°	14106.8	14155.8	14239.9	14370.0	14553.7	14728.1	14928.2	15037.3	15066.8	14982.0	14836.4
6°	13853.7	13921.5	14008.7	14142.6	14348.2	14603.6	14771.0	14935.3	14956.3	14853.5	14667.4
7°	13609.2	13694.9	13796.1	13930.0	14138.7	14396.4	14612.9	14782.6	14809.1	14682.2	14473.5
8°	13363.2	13477.6	13589.8	13722.9	13916.8	14181.5	14454.8	14594.2	14616.0	14481.3	14259.4
9°	13103.1	13242.5	13371.7	13513.4	13695.6	13935.5	14206.4	14357.5	14373.8	14238.4	14032.0
10°	12806.4	12976.2	13131.9	13295.4	13455.0	13661.4	13910.6	14063.2	14098.2	13961.9	13793.0
11°	12459.2	12653.0	12846.9	13047.8	13202.0	13353.0	13570.3	13711.2	13745.5	13645.8	13538.4
12°	12060.5	12272.3	12496.5	12749.6	12913.9	13008.1	13178.6	13301.7	13353.8	13298.5	13271.3
13°	11603.4	11823.8	12087.0	12400.8	12589.2	12626.6	12742.6	12845.4	12912.3	12903.8	12957.5
14°	11094.2	11326.2	11619.0	11997.4	12206.9	12211.5	12276.9	12347.0	12428.0	12472.4	12613.3
15°	10546.0	10826.3	11122.2	11529.4	11768.5	11756.0	11766.9	11797.3	11893.9	12013.0	12217.8
16°	9975.3	10311.6	10613.8	11004.6	11256.9	11234.3	11216.4	11200.1	11322.3	11509.2	11771.6
17°	9401.4	9807.1	10103.7	10447.9	10692.4	10679.9	10620.0	10556.9	10711.1	10964.1	11251.5
18°	8786.3	9274.5	9585.9	9850.7	10053.1	10060.1	9972.9	9863.1	10029.8	10356.8	10656.6
19°	8115.9	8688.2	9016.7	9227.8	9364.8	9393.6	9253.5	9132.0	9322.0	9705.9	10009.5
20°	7395.1	8014.6	8384.5	8542.6	8616.5	8665.6	8526.2	8371.2	8568.2	8988.7	9283.8
21°	6608.9	7270.0	7647.5	7796.6	7830.1	7904.8	7741.4	7604.7	7806.7	8230.3	8524.6
22°	5799.8	6446.1	6845.4	6979.2	7014.0	7112.7	6972.5	6834.0	7039.3	7452.1	7732.1
23°	4984.7	5595.7	5986.2	6123.3	6173.2	6300.4	6175.9	6063.3	6271.6	6656.0	6906.3
24°	4200.1	4733.9	5115.7	5262.7	5336.1	5499.8	5397.9	5292.6	5503.9	5859.4	6080.2
25°	3455.1	3898.1	4254.5	4428.1	4531.0	4700.7	4629.5	4528.6	4747.8	5062.8	5254.0
26°	2788.2	3132.2	3454.9	3650.5	3776.3	3933.6	3866.7	3790.0	4003.0	4305.8	4466.6
27°	2224.0	2471.5	2750.7	2970.5	3088.6	3212.1	3159.8	3089.1	3287.3	3566.0	3724.0
28°	1858.8	2053.6	2155.7	2361.6	2484.8	2560.7	2516.1	2469.6	2637.0	2884.2	3037.3
29°	1493.6	1635.7	1797.1	1976.4	1979.1	2020.4	1984.8	1953.0	2082.0	2287.4	2434.0
30°	1131.4	1219.1	1438.5	1591.1	1626.1	1644.2	1622.0	1547.9	1634.0	1789.9	1913.8
31°	926.7	990.1	1085.6	1210.3	1273.6	1270.1	1259.5	1241.7	1298.6	1407.0	1510.9
32°	772.9	818.0	888.7	987.7	1034.3	1025.7	1018.2	1012.3	1048.8	1119.5	1198.3
33°	659.8	690.7	745.8	823.9	856.7	841.5	840.1	842.8	865.4	908.8	967.0
34°	574.9	595.5	636.6	702.3	721.1	706.7	708.7	712.7	729.2	755.0	795.7
35°	508.5	522.0	555.2	610.9	619.7	604.9	610.1	631.3	649.1	667.5	700.3
36°	458.4	466.0	493.3	543.3	542.2	528.8	535.5	550.5	569.7	580.8	605.6
37°	417.5	422.4	444.1	490.8	483.2	471.0	478.7	495.6	490.3	494.2	511.1
38°	384.9	387.2	405.8	450.9	437.2	425.0	433.0	453.9	444.6	444.8	457.9
39°	358.3	359.0	375.2	419.4	400.7	389.6	396.7	419.6	407.4	404.7	416.3
40°	336.6	335.4	350.4	394.0	371.3	359.7	366.7	391.5	376.8	372.0	382.5
41°	318.4	315.6	329.7	372.9	347.1	335.4	342.1	368.2	351.8	344.5	355.5
42°	303.0	298.4	312.6	354.6	327.5	314.5	321.1	349.1	330.0	321.2	332.8
43°	289.8	283.8	297.9	338.5	310.9	297.0	303.2	333.0	311.6	301.6	314.0
44°	278.1	270.7	285.2	324.4	296.5	281.5	287.8	318.9	295.7	284.6	297.9

REPORT NUMBER: P1440306

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

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	267.4	259.2	274.2	311.9	283.8	267.6	274.2	306.8	282.0	270.0	284.1
46°	257.2	248.5	264.2	300.1	272.7	255.2	262.4	295.7	269.7	256.5	271.8
47°	246.7	238.2	254.2	288.7	262.4	244.0	251.7	285.5	258.7	244.5	260.8
48°	236.0	228.8	244.2	276.4	252.4	233.7	242.4	276.0	248.8	233.9	250.9
49°	225.5	219.7	234.1	262.9	242.2	224.3	234.0	266.4	240.0	224.6	241.8
50°	215.1	210.8	224.0	249.4	231.6	215.3	225.2	256.1	231.8	215.6	233.2
51°	204.8	202.5	214.2	235.5	221.0	206.4	216.5	244.4	222.6	207.1	224.3
52°	194.7	193.9	204.4	222.2	210.4	197.7	207.1	232.6	213.0	198.7	215.0
53°	184.8	185.9	194.2	209.3	199.8	189.5	198.2	220.1	203.6	190.6	205.6
54°	175.8	178.3	184.5	196.5	189.1	181.2	189.1	207.5	194.1	182.7	195.7
55°	167.0	170.5	175.2	184.2	178.6	173.2	180.4	195.0	184.2	174.6	185.6
56°	158.3	162.7	165.8	173.8	169.2	165.1	171.6	183.3	174.7	166.7	175.0
57°	150.6	154.9	156.5	163.3	159.8	157.1	162.8	172.2	165.3	158.9	165.1
58°	143.0	147.8	147.7	152.9	150.5	149.5	154.1	162.7	156.7	151.2	155.7
59°	135.4	140.7	138.7	144.1	142.2	142.2	146.0	154.0	148.5	143.7	146.7
60°	128.1	133.9	130.1	135.4	133.8	135.0	138.0	146.1	140.4	136.4	137.6
61°	121.6	127.1	122.6	127.2	126.1	128.2	130.5	138.3	132.6	129.3	128.8
62°	116.0	120.5	116.2	120.4	119.0	121.6	123.6	131.1	125.4	122.5	120.6
63°	110.6	114.0	110.7	114.5	112.7	115.2	117.7	125.1	118.9	115.8	113.4
64°	105.4	107.6	105.4	110.1	106.8	108.9	112.4	121.0	113.2	109.5	107.2
65°	100.2	101.0	100.3	105.6	101.5	102.9	107.3	118.2	107.6	103.5	101.8
66°	94.7	94.7	95.0	100.6	96.1	96.8	102.1	114.9	102.3	97.5	96.4
67°	89.2	88.6	89.8	94.5	90.8	90.7	96.6	110.5	96.8	91.5	91.1
68°	83.4	82.1	84.2	87.3	85.6	84.5	91.1	105.3	91.6	85.4	85.9
69°	77.5	75.0	78.3	80.6	80.1	77.9	85.6	99.2	86.1	79.2	80.5
70°	71.6	68.3	72.5	77.0	74.2	71.1	79.8	92.6	80.4	72.2	74.8
71°	65.6	62.4	66.5	78.2	68.2	64.7	73.7	85.9	74.7	66.1	68.7
72°	59.4	56.8	60.5	81.8	62.1	58.8	67.4	85.3	68.4	60.1	62.6
73°	53.3	51.6	54.5	72.6	55.8	53.1	60.9	82.5	62.0	54.1	56.5
74°	47.3	46.4	48.4	59.2	49.6	47.5	54.6	70.2	55.7	48.5	50.3
75°	41.6	41.3	42.5	50.0	43.7	42.2	48.7	59.9	49.3	43.0	44.3
76°	36.2	36.3	37.2	42.6	37.9	37.1	42.8	49.5	43.5	37.8	38.5
77°	31.0	31.5	31.9	36.8	32.4	32.3	37.7	42.5	38.3	32.9	33.3
78°	26.1	26.9	26.8	31.5	27.1	27.6	32.4	36.6	32.6	28.2	28.2
79°	21.6	22.6	22.1	26.7	22.2	23.3	27.1	31.2	26.9	23.7	23.2
80°	17.9	18.9	18.3	22.0	18.3	19.4	22.2	26.2	21.9	19.4	18.7
81°	14.2	15.1	14.5	17.9	14.4	15.5	18.3	21.5	17.3	15.5	14.8
82°	10.5	11.4	10.8	13.8	10.5	11.6	14.4	17.1	13.4	11.9	11.1
83°	9.1	9.9	9.2	9.7	8.2	9.0	10.6	13.2	10.1	8.9	7.9
84°	8.7	9.7	9.0	7.2	7.6	7.8	8.8	9.6	8.4	7.1	6.1
85°	7.0	7.7	7.3	4.5	6.2	6.6	7.3	6.9	6.2	5.3	4.4
86°	3.6	3.9	4.2	2.3	3.8	4.3	4.8	4.2	3.9	3.5	2.6
87°	1.0	1.0	1.3	1.0	1.6	1.4	1.7	1.5	1.7	1.2	0.8
88°	0.4	0.4	0.4	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: P1440306

CATALOG NUMBER: XSF100-SFTR-4Hx4V-830-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: P1440306

CATALOG NUMBER: XSF100-SFTR-4Hx4V-830-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: P1440306
CATALOG NUMBER: XSF100-SFTR-4Hx4V-830-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: P1440306

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	15048.9	15048.9	15048.9
1°	15102.7	15080.1	15054.4
2°	15083.2	15032.6	14982.8
3°	14999.1	14915.8	14839.5
4°	14855.8	14738.3	14647.2
5°	14678.3	14536.6	14425.2
6°	14468.8	14303.8	14189.3
7°	14253.2	14081.9	13962.7
8°	14043.7	13871.6	13749.4
9°	13827.2	13670.7	13534.5
10°	13621.7	13467.5	13325.0
11°	13408.3	13247.1	13079.7
12°	13176.3	12982.4	12768.3
13°	12892.9	12658.5	12410.1
14°	12554.1	12276.2	11997.4
15°	12164.0	11854.9	11550.5
16°	11714.0	11401.0	11071.6
17°	11217.2	10913.5	10580.3
18°	10675.3	10410.5	10098.3
19°	10089.7	9902.1	9577.4
20°	9431.8	9356.2	9022.2
21°	8750.5	8755.1	8400.8
22°	8000.6	8073.8	7693.5
23°	7223.5	7317.0	6901.5
24°	6385.8	6478.3	6108.2
25°	5547.6	5639.2	5314.8
26°	4709.6	4800.1	4512.1
27°	3914.3	3965.7	3700.3
28°	3172.7	3166.6	2954.3
29°	2525.8	2486.4	2342.3
30°	1976.7	1933.1	1835.0
31°	1550.4	1506.6	1446.9
32°	1228.2	1192.7	1149.4
33°	987.7	962.0	938.1
34°	815.4	794.5	778.4
35°	720.8	700.3	686.7
36°	627.5	607.2	596.1
37°	534.2	514.0	505.5
38°	482.8	461.6	453.2
39°	444.7	419.9	411.9
40°	413.4	386.0	378.1
41°	389.3	358.8	350.7
42°	369.0	335.8	327.0
43°	351.8	316.2	307.0
44°	336.2	299.2	289.4

REPORT NUMBER: P1440306

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	322.1	284.3	273.9
46°	308.7	270.8	259.9
47°	296.4	258.7	247.7
48°	284.9	248.3	236.4
49°	273.6	238.5	225.4
50°	262.2	229.0	215.1
51°	250.4	219.8	205.6
52°	237.1	210.2	196.6
53°	223.6	201.0	188.5
54°	209.6	191.7	180.4
55°	196.1	182.2	172.5
56°	182.6	172.7	164.7
57°	170.4	163.0	157.2
58°	159.2	153.4	149.3
59°	149.0	143.8	142.1
60°	140.4	134.7	134.5
61°	131.9	126.2	127.5
62°	123.7	118.4	120.7
63°	116.5	111.5	114.0
64°	110.5	105.7	107.5
65°	105.3	100.3	101.1
66°	101.2	95.2	94.7
67°	96.6	90.1	88.5
68°	90.1	84.6	82.3
69°	82.8	79.1	75.8
70°	76.2	73.3	69.5
71°	75.7	67.4	63.2
72°	75.3	61.5	56.9
73°	75.0	55.5	51.4
74°	68.2	49.8	46.3
75°	55.7	44.1	41.1
76°	45.8	38.2	36.2
77°	38.6	32.8	31.3
78°	32.6	27.6	26.5
79°	27.2	22.4	21.9
80°	22.1	17.8	17.5
81°	17.0	13.6	13.6
82°	12.7	10.0	10.0
83°	9.0	8.1	8.0
84°	6.4	6.3	6.0
85°	3.9	4.5	4.0
86°	1.4	1.3	0.8
87°	0.3	0.2	0.2
88°	0.1	0.1	0.1
89°	0.1	0.1	0.1

REPORT NUMBER: P1440306

CATALOG NUMBER: XSF100-SFTR-4Hx4V-830-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: P1440306

CATALOG NUMBER: XSF100-SFTR-4Hx4V-830-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: P1440306

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)