

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: P1440350

Luminaire Tested: XSF200-SFTR-4Hx4V-850-Position 4

Issue Date: 04/15/2026

Test Information

Test Method: LM-79-2024
Report Number: P1440350
Test Lab: THIRD PARTY NVLAP
Issue Date: 7/15/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XSF200-SFTR-4Hx4V-850-Position 4
Description: LUMARK ALL SELECTABLE LUMINAIRE 200W w/ NEMA 4 FLOOD DISTRIBUTION 5000K CCT
80 CRI LIGHT ENGINE AT Position 4
Light Source: (1) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13611.3 lumens
Efficiency: N/A
Efficacy: 168.0 lumens/watt
Luminous Opening: Rectangular (W 0.42' x L: 0.42' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G1

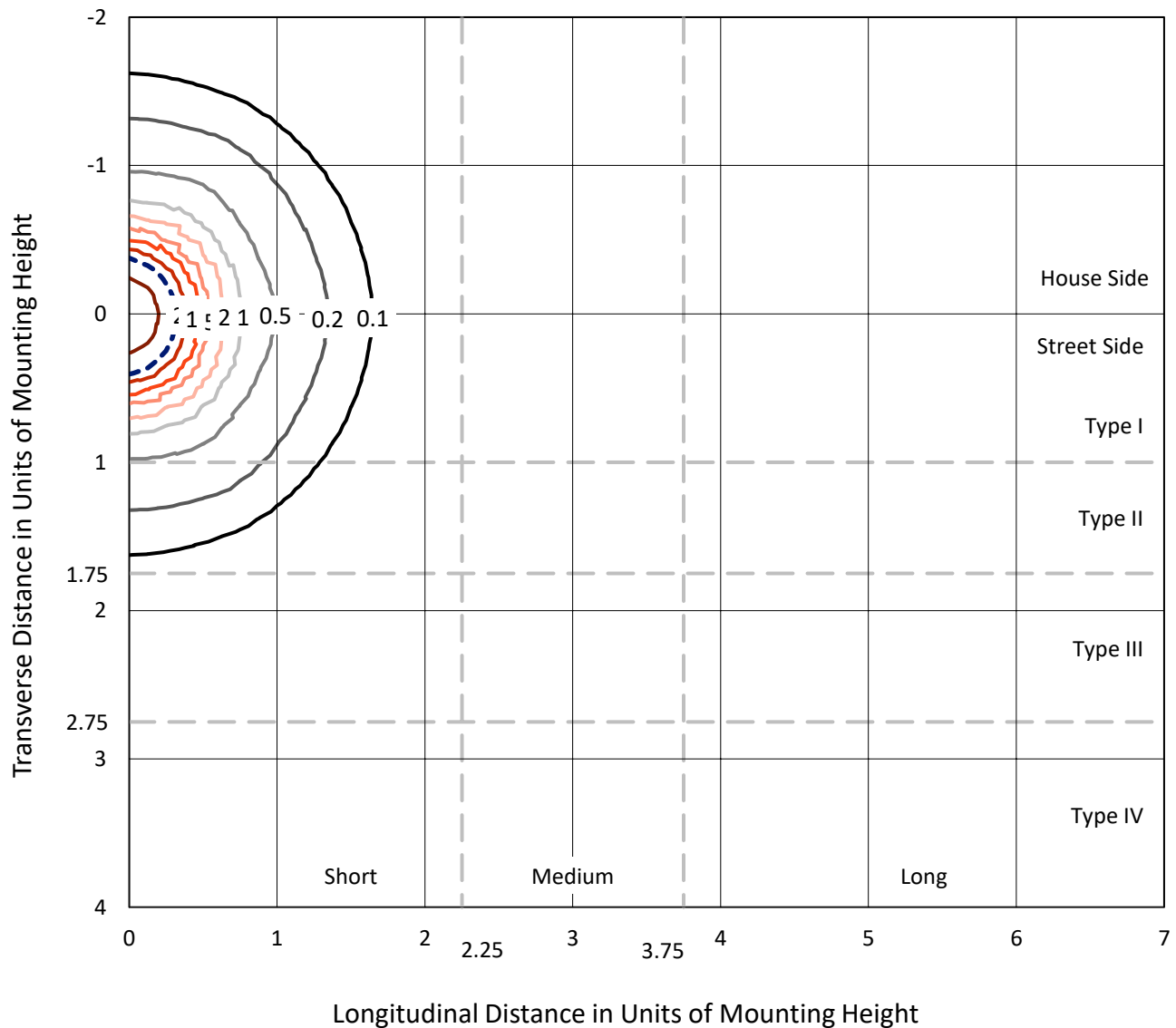
Input Watts (W): 81
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

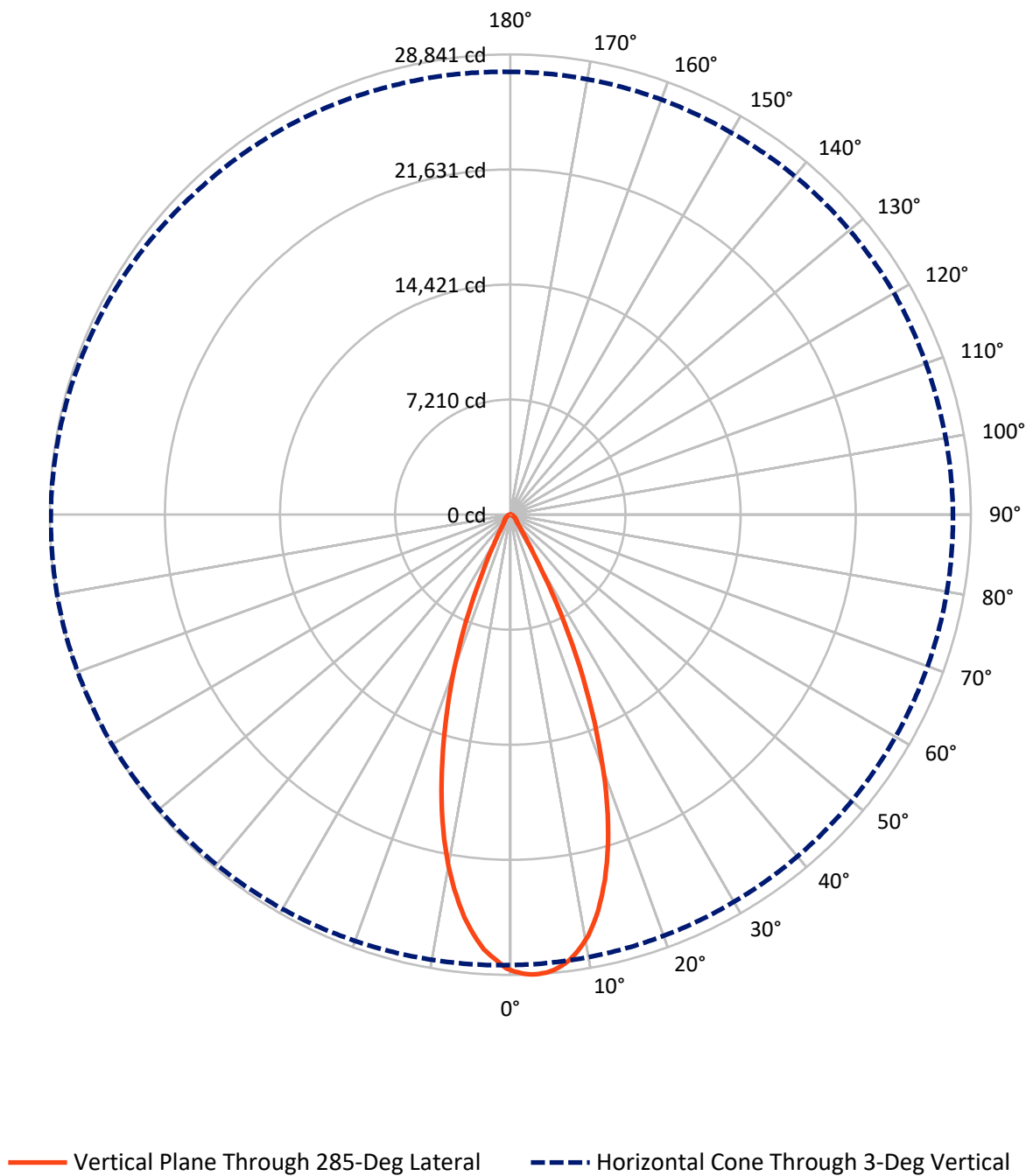


Based on 20 foot mounting height. Maximum calculated value = 71.6 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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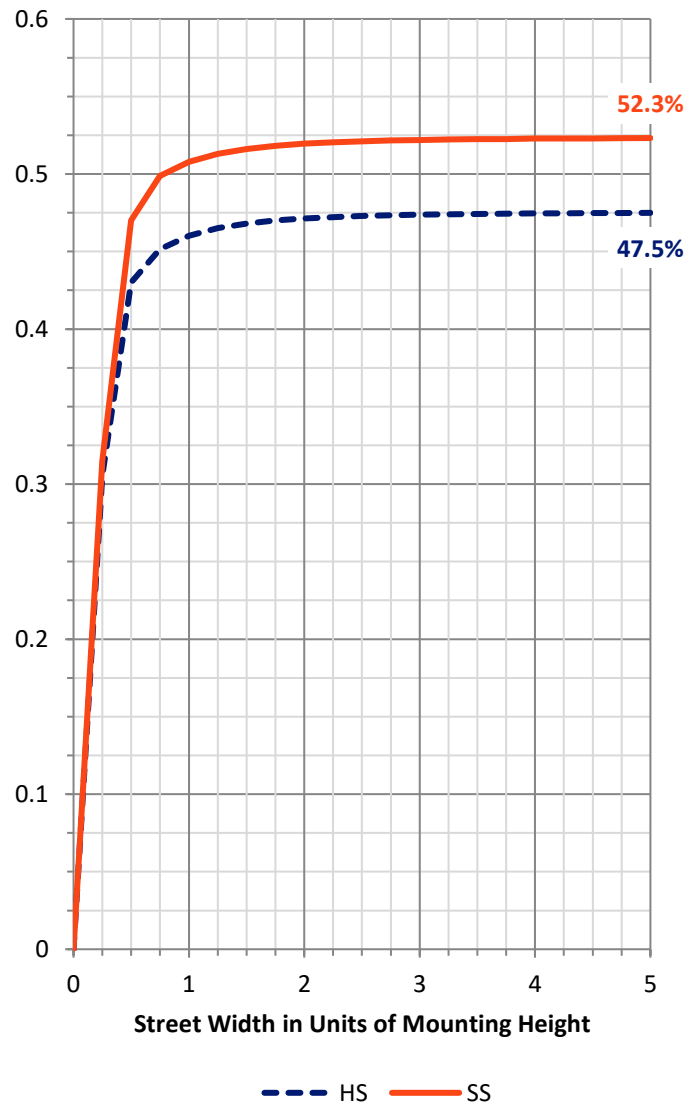
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6554.9	0.0	6554.9
	% Fixture	48.2	0.0	48.2
Street Side	Lumens	7056.4	0.0	7056.4
	% Fixture	51.8	0.0	51.8
Total	Lumens	13611.3	0.0	13611.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2534.9	18.6
10°-20°	5636.4	41.4
20°-30°	3609.8	26.5
30°-40°	804.3	5.9
40°-50°	418.7	3.1
50°-60°	304.5	2.2
60°-70°	196.1	1.4
70°-80°	93.8	0.7
80°-90°	12.9	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°	13611.3	100.0
0°-180°	13611.3	100.0

Coefficient of Utilization



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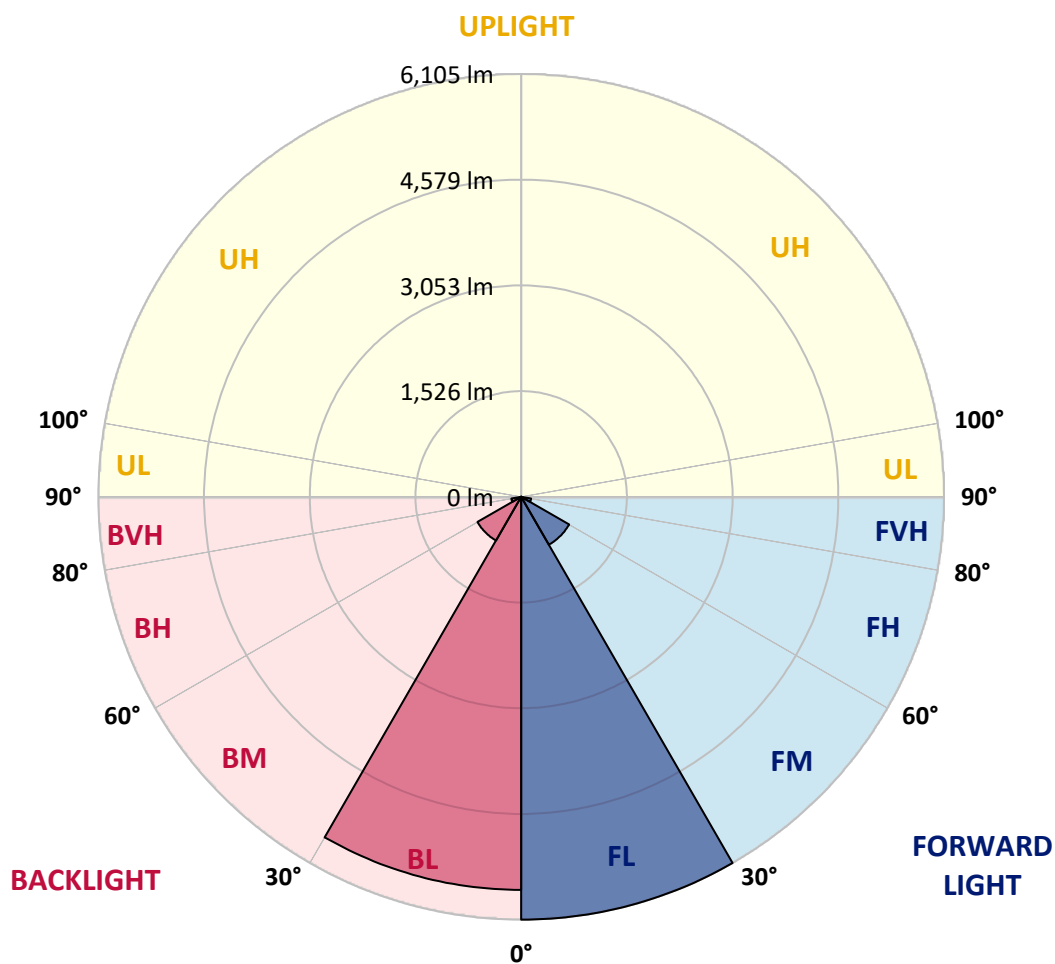
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	6105.2	44.9			
FM	(30°-60°)	799.6	5.9			
FH	(60°-80°)	145.5	1.1			G0/660
FVH	(80°-90°)	6.1	0.0			G0/10
BL	(0°-30°)	5675.9	41.7	B5		
BM	(30°-60°)	727.9	5.3	B1/1000		
BH	(60°-80°)	144.4	1.1	B1/500		G1/500
BVH	(80°-90°)	6.8	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	28628.0	28628.0	28628.0	28628.0	28628.0	28628.0	28628.0	28628.0	28628.0	28628.0	28628.0
1°	28638.4	28604.3	28549.5	28502.1	28460.7	28417.7	28439.9	28431.0	28417.7	28414.7	28414.7
2°	28502.1	28420.7	28327.3	28271.1	28201.4	28157.0	28082.9	28051.8	28088.9	28074.1	28031.1
3°	28229.6	28122.9	28014.8	27942.2	27857.8	27791.1	27724.5	27672.6	27755.6	27730.4	27647.5
4°	27863.7	27745.2	27619.3	27520.1	27434.2	27343.8	27364.5	27287.5	27247.5	27244.6	27262.3
5°	27441.6	27296.4	27160.1	27041.6	26915.7	26791.3	26813.5	26720.2	26690.6	26703.9	26748.3
6°	26992.7	26835.7	26675.8	26498.0	26329.1	26175.1	26164.7	26081.8	26077.3	26120.3	26235.8
7°	26561.7	26381.0	26158.8	25911.4	25683.3	25495.2	25456.7	25388.6	25378.2	25504.1	25702.6
8°	26155.8	25942.5	25640.4	25293.8	24981.2	24716.1	24668.7	24581.3	24624.2	24836.1	25139.7
9°	25747.0	25505.6	25105.6	24637.6	24205.0	23879.2	23785.8	23728.1	23815.5	24105.8	24542.8
10°	25348.6	25018.2	24542.8	23945.8	23390.4	22991.9	22842.3	22802.3	22960.8	23348.9	23883.6
11°	24882.0	24486.5	23914.7	23212.6	22546.0	22017.2	21841.0	21821.7	22038.0	22506.1	23147.4
12°	24289.5	23870.3	23246.7	22429.0	21663.2	21018.9	20750.8	20746.3	21053.0	21599.5	22315.0
13°	23608.1	23141.5	22454.2	21571.4	20704.9	19952.4	19619.1	19617.6	19996.8	20626.4	21401.0
14°	22823.0	22315.0	21546.2	20633.8	19705.0	18828.1	18407.4	18437.1	18875.5	19571.7	20381.9
15°	21972.8	21398.1	20543.4	19623.5	18594.1	17643.1	17169.1	17195.8	17693.5	18431.1	19263.6
16°	21061.8	20402.7	19447.3	18531.9	17416.5	16403.3	15889.3	15930.8	16446.3	17238.7	18057.9
17°	20127.2	19368.8	18334.9	17351.3	16204.8	15135.4	14623.2	14656.8	15169.4	15979.7	16824.0
18°	19210.3	18305.2	17169.1	16138.2	14954.7	13908.5	13369.3	13385.0	13871.6	14675.3	15544.2
19°	18219.3	17206.2	15963.4	14864.3	13654.3	12665.8	12125.9	12120.3	12561.4	13301.3	14198.2
20°	17163.2	16044.9	14722.3	13503.6	12407.5	11422.8	10906.6	10886.4	11288.7	11920.3	12805.2
21°	15981.2	14769.5	13382.6	12225.9	11161.0	10179.7	9678.5	9648.8	10004.3	10529.9	11324.7
22°	14635.6	13671.8	12040.2	10950.1	9887.2	8940.2	8464.9	8432.6	8734.9	9151.9	9859.2
23°	13129.0	12120.0	10697.7	9632.1	8635.5	7725.4	7274.0	7235.3	7501.9	7825.6	8432.9
24°	11619.8	10556.4	9338.8	8351.1	7415.4	6556.9	6131.0	6081.7	6305.8	6565.3	7091.3
25°	10110.5	9084.3	8013.8	7105.8	6251.5	5489.9	5109.6	5038.2	5204.8	5418.5	5865.6
26°	8583.5	7678.6	6750.9	5942.0	5185.4	4542.5	4223.8	4127.5	4238.9	4410.4	4764.9
27°	7039.2	6330.0	5581.5	4903.5	4268.1	3739.1	3612.0	3520.8	3599.0	3734.2	3853.8
28°	5620.1	5095.9	4534.1	4000.4	3481.1	3067.2	3000.4	2913.9	2959.2	3057.9	3261.1
29°	4455.7	4071.5	3680.9	3260.1	2858.1	2530.3	2389.7	2309.3	2325.6	2388.5	2668.5
30°	3490.9	3237.9	2969.5	2657.5	2351.6	2091.2	1993.2	1919.7	1924.4	1971.5	2078.9
31°	2752.5	2593.1	2410.1	2183.9	1949.5	1747.7	1678.0	1615.2	1617.1	1657.4	1728.8
32°	2186.6	2086.9	1982.4	1815.3	1637.4	1486.0	1434.1	1375.0	1380.3	1416.4	1463.7
33°	1784.6	1717.9	1650.6	1529.2	1390.5	1320.4	1245.1	1191.4	1196.3	1227.1	1263.3
34°	1480.8	1439.3	1401.9	1356.3	1237.2	1156.7	1101.8	1048.0	1050.1	1082.3	1111.6
35°	1306.3	1277.2	1255.6	1183.6	1085.2	993.1	988.2	935.9	935.4	966.8	995.9
36°	1133.9	1117.1	1109.9	1010.9	933.3	895.2	899.4	847.6	845.4	877.0	907.5
37°	961.6	957.0	964.2	905.1	840.8	816.9	827.9	776.3	771.0	802.8	837.0
38°	862.2	861.6	877.8	821.7	766.9	752.7	768.4	717.2	711.6	743.3	781.1
39°	783.6	784.6	809.8	752.6	706.3	699.1	720.5	669.4	662.3	694.5	736.4
40°	719.4	722.4	754.6	695.0	656.7	655.0	680.3	629.5	621.5	654.6	699.0
41°	667.1	671.2	708.9	649.7	615.5	618.0	646.8	595.9	587.2	621.2	667.9
42°	622.0	628.8	670.4	611.7	580.9	587.0	618.8	567.0	557.7	593.1	640.2
43°	584.0	592.9	637.1	579.4	550.1	559.5	594.4	542.4	532.7	569.1	616.0
44°	550.4	562.0	607.2	551.2	522.8	535.1	572.6	520.9	509.5	548.4	594.6

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CATALOG NUMBER: XSF200-SFTR-4Hx4V-850-Position 4

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	521.1	534.3	581.0	526.5	498.5	513.0	552.8	501.3	488.8	528.7	573.2
46°	494.4	509.3	556.9	505.0	477.0	493.0	533.6	482.2	469.7	509.3	550.4
47°	471.1	486.8	535.0	486.3	457.3	474.4	512.6	463.7	451.5	489.3	525.1
48°	449.7	465.7	514.4	468.3	439.0	455.1	491.3	445.6	434.4	469.5	499.8
49°	428.8	444.5	492.5	450.5	421.4	436.8	470.5	427.9	417.9	449.2	473.9
50°	409.1	423.9	469.4	432.7	404.7	418.5	448.8	410.3	401.6	429.2	448.4
51°	391.0	403.1	444.9	413.9	388.4	399.8	426.6	392.7	386.1	409.7	423.8
52°	374.1	383.0	420.3	395.3	372.3	380.7	404.9	375.8	370.4	390.1	399.9
53°	358.5	364.1	396.3	376.6	356.5	362.5	384.5	358.9	354.8	371.0	377.0
54°	343.2	345.1	372.9	358.1	341.0	344.8	364.0	343.1	339.5	352.2	355.0
55°	328.2	327.1	350.2	339.9	326.0	328.0	345.3	327.7	324.8	334.3	336.2
56°	313.3	309.9	328.5	321.9	311.4	312.6	329.2	312.3	310.1	316.5	317.8
57°	299.1	293.7	308.2	304.3	297.3	298.1	313.2	296.8	295.4	298.7	299.5
58°	284.1	278.0	290.6	287.1	283.4	284.1	297.2	282.5	282.0	281.4	283.1
59°	270.2	263.5	274.2	270.3	270.3	270.9	283.0	268.9	268.7	265.1	267.4
60°	255.9	249.2	258.1	253.6	256.5	258.2	269.0	255.7	255.5	249.8	252.5
61°	242.5	235.8	242.7	238.2	243.3	246.3	255.9	243.5	242.2	236.1	238.3
62°	229.7	223.2	228.7	224.6	231.0	234.5	245.4	232.3	229.8	224.2	226.9
63°	216.8	211.4	216.3	212.4	218.8	223.6	237.8	221.6	218.0	213.0	217.1
64°	204.4	200.8	206.3	201.3	206.9	212.8	230.2	211.1	206.3	202.1	208.1
65°	192.3	190.3	197.7	190.6	195.2	202.1	221.0	200.1	194.6	191.4	198.0
66°	180.2	180.2	189.2	179.9	183.3	191.6	211.0	189.3	182.5	181.0	186.0
67°	168.4	170.2	178.2	169.1	171.3	181.4	199.8	178.7	170.3	170.9	172.2
68°	156.6	159.7	164.8	158.5	158.7	170.1	187.7	167.4	157.4	160.4	157.9
69°	144.1	149.2	151.6	147.1	145.4	158.2	174.5	155.8	143.5	149.2	148.4
70°	132.1	137.5	140.1	135.3	132.8	146.4	164.5	143.9	129.7	137.6	158.6
71°	120.1	126.3	142.9	123.5	120.2	134.1	180.3	131.7	117.7	125.6	164.9
72°	108.2	115.1	146.0	111.6	107.7	121.9	165.0	119.6	106.6	113.5	152.4
73°	97.8	104.0	149.2	99.6	96.4	109.6	139.0	107.6	95.6	101.0	126.3
74°	88.0	92.4	123.7	88.5	85.8	98.0	116.8	96.1	85.2	89.0	107.6
75°	78.2	80.7	99.1	77.3	75.6	86.8	100.6	85.6	75.4	78.3	93.9
76°	68.9	70.2	82.0	67.1	66.1	75.6	88.5	76.1	65.8	67.7	81.4
77°	59.6	60.1	69.2	57.6	57.1	64.4	78.0	65.9	56.9	57.2	70.2
78°	50.5	49.9	58.5	48.5	48.4	54.0	68.4	55.3	48.2	47.6	59.5
79°	41.6	40.2	48.9	39.6	40.3	44.3	58.6	45.6	40.1	39.5	50.2
80°	33.3	31.7	39.3	31.6	32.6	35.8	48.9	37.9	33.1	31.5	40.9
81°	25.9	24.1	29.8	24.5	25.6	28.2	39.9	30.1	26.1	23.5	33.0
82°	19.1	17.6	22.0	17.9	19.4	21.6	32.2	22.3	19.2	17.8	25.1
83°	15.2	14.1	15.0	14.0	14.8	16.5	24.5	17.3	15.1	13.9	17.2
84°	11.4	10.7	10.0	10.1	11.6	12.6	16.8	14.1	12.1	11.2	12.2
85°	7.6	7.2	5.0	6.2	8.4	8.7	10.4	10.5	8.7	7.8	7.2
86°	1.6	1.7	1.7	2.9	3.7	4.8	5.4	5.7	4.6	4.1	3.4
87°	0.4	0.4	0.4	0.6	1.1	1.6	2.2	1.8	1.5	1.6	1.4
88°	0.2	0.2	0.2	0.2	0.3	0.4	0.6	0.6	0.6	0.7	0.7
89°	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3

REPORT NUMBER: P1440350

CATALOG NUMBER: XSF200-SFTR-4Hx4V-850-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: P1440350

CATALOG NUMBER: XSF200-SFTR-4Hx4V-850-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: P1440350
CATALOG NUMBER: XSF200-SFTR-4Hx4V-850-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: P1440350

CATALOG NUMBER: XSF200-SFTR-4Hx4V-850-Position 4

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	28628.0	28628.0	28628.0	28628.0	28628.0	28628.0	28628.0	28628.0	28628.0	28628.0	28628.0
1°	28454.7	28475.5	28525.8	28568.8	28617.7	28657.7	28693.2	28736.2	28764.3	28774.7	28764.3
2°	28072.6	28112.6	28198.5	28383.6	28502.1	28620.6	28716.9	28799.9	28838.4	28835.4	28776.2
3°	27690.4	27749.7	27871.1	28066.7	28229.6	28485.8	28671.0	28786.5	28841.3	28807.3	28675.4
4°	27306.8	27386.8	27542.3	27748.2	27958.5	28251.8	28558.4	28718.4	28782.1	28700.6	28494.7
5°	26835.7	26929.1	27089.0	27336.4	27686.0	28017.8	28398.4	28605.8	28662.1	28500.7	28223.7
6°	26354.3	26483.2	26649.1	26903.9	27294.9	27780.8	28099.2	28411.8	28451.8	28256.2	27902.2
7°	25889.2	26052.2	26244.7	26499.5	26896.5	27386.8	27798.5	28121.5	28171.8	27930.4	27533.4
8°	25421.1	25638.9	25852.2	26105.5	26474.3	26977.9	27497.9	27763.0	27804.5	27548.2	27126.1
9°	24926.4	25191.6	25437.4	25707.0	26053.6	26509.9	27025.3	27312.7	27343.8	27086.1	26693.5
10°	24362.1	24685.0	24981.2	25292.3	25595.9	25988.5	26462.5	26752.8	26819.4	26560.2	26238.8
11°	23701.4	24070.2	24439.1	24821.2	25114.5	25401.9	25815.2	26083.3	26148.4	25958.8	25754.4
12°	22943.0	23345.9	23772.5	24253.9	24566.5	24745.7	25070.1	25304.1	25403.4	25298.2	25246.4
13°	22073.5	22492.7	22993.4	23590.3	23948.8	24019.9	24240.6	24436.1	24563.5	24547.2	24649.4
14°	21104.8	21546.2	22103.2	22823.0	23221.5	23230.4	23354.8	23488.1	23642.2	23726.6	23994.7
15°	20062.0	20595.2	21158.1	21932.8	22387.6	22363.9	22384.6	22442.4	22626.0	22852.7	23242.2
16°	18976.2	19616.1	20190.9	20934.5	21414.4	21371.4	21337.3	21306.2	21538.8	21894.3	22393.5
17°	17884.6	18656.3	19220.6	19875.4	20340.5	20316.8	20202.7	20082.7	20376.0	20857.4	21404.0
18°	16714.4	17643.1	18235.6	18739.2	19124.4	19137.7	18971.8	18762.9	19079.9	19702.1	20272.3
19°	15439.0	16527.7	17152.8	17554.2	17814.9	17869.8	17603.1	17372.1	17733.5	18463.7	19041.4
20°	14067.8	15246.5	15950.1	16250.8	16391.5	16484.8	16219.6	15924.9	16299.6	17099.5	17660.9
21°	12572.4	13830.0	14548.1	14831.7	14895.4	15037.6	14726.7	14466.7	14851.0	15656.8	16216.7
22°	11033.1	12262.6	13022.2	13276.7	13342.9	13530.7	13264.0	13000.6	13391.1	14176.4	14709.1
23°	9482.5	10644.8	11387.8	11648.5	11743.5	11985.5	11748.7	11534.3	11930.7	12661.8	13138.1
24°	7990.0	9005.4	9731.8	10011.3	10151.0	10462.5	10268.6	10068.2	10470.2	11146.5	11566.5
25°	6572.7	7415.4	8093.4	8423.7	8619.4	8942.3	8806.7	8614.9	9031.9	9631.2	9994.9
26°	5304.0	5958.5	6572.3	6944.5	7183.7	7483.0	7355.7	7209.8	7614.9	8191.0	8497.0
27°	4230.7	4701.6	5232.8	5651.0	5875.5	6110.4	6010.9	5876.5	6253.5	6783.7	7084.4
28°	3536.0	3906.6	4100.8	4492.5	4727.0	4871.2	4786.5	4698.1	5016.4	5486.7	5777.9
29°	2841.3	3111.7	3418.7	3759.7	3764.9	3843.4	3775.7	3715.3	3960.7	4351.3	4630.2
30°	2152.3	2319.2	2736.5	3026.8	3093.4	3127.8	3085.6	2944.6	3108.4	3404.9	3640.8
31°	1762.8	1883.4	2065.2	2302.3	2422.9	2416.1	2395.9	2362.1	2470.4	2676.6	2874.2
32°	1470.2	1556.2	1690.5	1879.0	1967.5	1951.2	1936.9	1925.8	1995.1	2129.7	2279.6
33°	1255.1	1313.9	1418.7	1567.3	1629.7	1600.8	1598.1	1603.3	1646.3	1728.9	1839.6
34°	1093.7	1132.8	1211.0	1336.1	1371.8	1344.3	1348.2	1355.8	1387.2	1436.2	1513.7
35°	967.4	993.1	1056.1	1162.2	1178.9	1150.6	1160.5	1200.8	1234.7	1269.7	1332.1
36°	872.0	886.6	938.4	1033.5	1031.5	1006.0	1018.7	1047.2	1083.7	1105.0	1152.1
37°	794.2	803.5	844.9	933.7	919.3	895.9	910.6	942.8	932.7	940.2	972.2
38°	732.3	736.7	771.9	857.8	831.8	808.5	823.7	863.5	845.9	846.2	871.0
39°	681.6	683.0	713.8	797.9	762.3	741.2	754.6	798.2	775.0	769.9	791.9
40°	640.3	638.0	666.6	749.5	706.2	684.2	697.7	744.7	716.8	707.6	727.7
41°	605.8	600.3	627.2	709.3	660.2	638.0	650.9	700.5	669.2	655.4	676.3
42°	576.4	567.6	594.6	674.6	623.0	598.2	610.8	664.1	627.8	611.1	633.1
43°	551.3	539.8	566.7	644.0	591.5	564.9	576.7	633.5	592.7	573.8	597.3
44°	529.1	515.0	542.5	617.2	564.0	535.5	547.5	606.6	562.6	541.3	566.8

REPORT NUMBER: P1440350

CATALOG NUMBER: XSF200-SFTR-4Hx4V-850-Position 4

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	508.7	493.1	521.7	593.3	539.9	509.1	521.6	583.6	536.6	513.6	540.5
46°	489.3	472.7	502.7	570.9	518.7	485.6	499.2	562.6	513.0	487.9	517.0
47°	469.2	453.2	483.7	549.2	499.1	464.1	478.8	543.2	492.1	465.2	496.2
48°	449.0	435.2	464.5	525.8	480.2	444.5	461.1	525.1	473.3	445.0	477.3
49°	429.0	417.9	445.3	500.1	460.7	426.6	445.2	506.9	456.5	427.3	460.0
50°	409.1	401.1	426.2	474.4	440.6	409.5	428.4	487.2	440.9	410.2	443.7
51°	389.6	385.2	407.5	448.0	420.4	392.6	411.8	464.9	423.5	394.1	426.7
52°	370.3	368.9	388.8	422.6	400.3	376.1	394.1	442.4	405.2	378.0	409.0
53°	351.6	353.6	369.5	398.1	380.1	360.4	377.0	418.6	387.3	362.6	391.1
54°	334.4	339.1	351.1	373.8	359.7	344.7	359.8	394.8	369.2	347.6	372.2
55°	317.7	324.3	333.3	350.4	339.8	329.4	343.2	371.0	350.4	332.2	353.0
56°	301.1	309.5	315.4	330.5	321.9	314.1	326.5	348.7	332.4	317.0	333.0
57°	286.5	294.7	297.6	310.7	304.0	298.8	309.8	327.6	314.5	302.2	314.1
58°	272.0	281.2	280.9	290.8	286.2	284.4	293.1	309.5	298.2	287.5	296.2
59°	257.5	267.8	263.8	274.0	270.4	270.5	277.7	293.0	282.5	273.3	279.0
60°	243.7	254.7	247.4	257.5	254.5	256.8	262.5	277.9	267.2	259.5	261.8
61°	231.4	241.8	233.1	241.9	239.9	243.9	248.2	263.1	252.3	246.0	245.0
62°	220.6	229.2	221.1	229.0	226.4	231.3	235.2	249.3	238.5	233.0	229.3
63°	210.5	216.9	210.5	217.9	214.4	219.1	224.0	238.0	226.2	220.3	215.7
64°	200.5	204.8	200.6	209.4	203.2	207.2	213.8	230.2	215.3	208.4	204.0
65°	190.6	192.2	190.7	200.9	193.0	195.7	204.1	224.8	204.7	197.0	193.6
66°	180.1	180.2	180.8	191.4	182.8	184.1	194.3	218.5	194.7	185.4	183.4
67°	169.6	168.5	170.9	179.8	172.7	172.5	183.8	210.2	184.2	174.1	173.4
68°	158.7	156.1	160.2	166.2	162.8	160.7	173.4	200.3	174.3	162.5	163.5
69°	147.5	142.8	149.0	153.2	152.4	148.2	162.8	188.8	163.9	150.6	153.1
70°	136.2	130.0	137.8	146.4	141.2	135.3	151.8	176.2	153.0	137.3	142.3
71°	124.7	118.6	126.6	148.8	129.8	123.0	140.2	163.3	142.0	125.7	130.7
72°	113.0	108.1	115.1	155.6	118.1	111.9	128.2	162.2	130.0	114.2	119.0
73°	101.3	98.2	103.7	138.1	106.2	101.0	115.9	157.0	118.0	102.9	107.4
74°	89.9	88.3	92.1	112.5	94.3	90.3	103.9	133.6	106.0	92.2	95.8
75°	79.2	78.5	80.9	95.0	83.1	80.2	92.6	113.9	93.8	81.8	84.2
76°	68.9	69.1	70.7	81.1	72.1	70.6	81.4	94.2	82.8	72.0	73.3
77°	59.0	60.0	60.7	70.0	61.6	61.4	71.7	80.9	72.9	62.6	63.3
78°	49.7	51.2	51.0	59.9	51.5	52.6	61.6	69.7	61.9	53.6	53.6
79°	41.0	43.0	42.0	50.7	42.2	44.3	51.6	59.4	51.2	45.0	44.0
80°	34.0	35.9	34.8	41.9	34.8	36.9	42.2	49.8	41.6	37.0	35.7
81°	27.0	28.8	27.6	34.0	27.3	29.5	34.8	40.8	32.9	29.5	28.2
82°	20.0	21.8	20.6	26.2	19.9	22.1	27.4	32.5	25.5	22.7	21.1
83°	17.4	18.8	17.4	18.4	15.6	17.1	20.1	25.1	19.1	17.0	14.9
84°	16.6	18.4	17.0	13.8	14.4	14.9	16.7	18.2	16.0	13.5	11.7
85°	13.3	14.6	13.9	8.6	11.8	12.5	13.9	13.1	11.7	10.0	8.4
86°	6.9	7.4	8.0	4.3	7.3	8.3	9.1	8.0	7.4	6.6	4.9
87°	2.0	2.0	2.4	1.8	3.0	2.6	3.2	2.9	3.2	2.4	1.5
88°	0.8	0.8	0.9	0.8	0.9	1.0	1.3	1.0	0.9	0.6	0.3
89°	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.2	0.2	0.2	0.1

REPORT NUMBER: P1440350

CATALOG NUMBER: XSF200-SFTR-4Hx4V-850-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: P1440350

CATALOG NUMBER: XSF200-SFTR-4Hx4V-850-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: P1440350
CATALOG NUMBER: XSF200-SFTR-4Hx4V-850-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: P1440350

CATALOG NUMBER: XSF200-SFTR-4Hx4V-850-Position 4

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	28628.0	28628.0	28628.0
1°	28730.2	28687.3	28638.4
2°	28693.2	28596.9	28502.1
3°	28533.2	28374.7	28229.6
4°	28260.7	28037.0	27863.7
5°	27923.0	27653.4	27441.6
6°	27524.5	27210.5	26992.7
7°	27114.2	26788.3	26561.7
8°	26715.8	26388.4	26155.8
9°	26304.0	26006.2	25747.0
10°	25912.9	25619.6	25348.6
11°	25507.1	25200.4	24882.0
12°	25065.6	24696.8	24289.5
13°	24526.5	24080.6	23608.1
14°	23882.1	23353.3	22823.0
15°	23140.0	22552.0	21972.8
16°	22283.9	21688.4	21061.8
17°	21338.8	20761.1	20127.2
18°	20307.9	19804.3	19210.3
19°	19194.0	18837.0	18219.3
20°	17942.3	17798.7	17163.2
21°	16646.2	16655.1	15981.2
22°	15219.8	15359.0	14635.6
23°	13741.5	13919.3	13129.0
24°	12147.8	12323.8	11619.8
25°	10553.4	10727.6	10110.5
26°	8959.2	9131.3	8583.5
27°	7446.4	7544.1	7039.2
28°	6035.5	6023.9	5620.1
29°	4804.9	4729.9	4455.7
30°	3760.3	3677.3	3490.9
31°	2949.5	2866.1	2752.5
32°	2336.4	2268.8	2186.6
33°	1879.0	1830.1	1784.6
34°	1551.2	1511.5	1480.8
35°	1371.2	1332.3	1306.3
36°	1193.8	1155.0	1133.9
37°	1016.3	977.8	961.6
38°	918.4	878.0	862.2
39°	845.9	798.8	783.6
40°	786.5	734.3	719.4
41°	740.7	682.6	667.1
42°	701.9	638.8	622.0
43°	669.2	601.6	584.0
44°	639.6	569.3	550.4

REPORT NUMBER: P1440350

CATALOG NUMBER: XSF200-SFTR-4Hx4V-850-Position 4

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	612.7	540.8	521.1
46°	587.2	515.2	494.4
47°	563.9	492.2	471.1
48°	542.0	472.4	449.7
49°	520.5	453.6	428.8
50°	498.8	435.7	409.1
51°	476.3	418.1	391.0
52°	451.1	399.9	374.1
53°	425.3	382.4	358.5
54°	398.7	364.6	343.2
55°	373.1	346.6	328.2
56°	347.4	328.5	313.3
57°	324.2	310.2	299.1
58°	302.8	291.9	284.1
59°	283.5	273.5	270.2
60°	267.0	256.3	255.9
61°	250.9	240.1	242.5
62°	235.4	225.1	229.7
63°	221.5	212.2	216.8
64°	210.2	201.2	204.4
65°	200.3	190.9	192.3
66°	192.4	181.2	180.2
67°	183.8	171.4	168.4
68°	171.4	160.9	156.6
69°	157.5	150.6	144.1
70°	144.9	139.4	132.1
71°	144.0	128.2	120.1
72°	143.3	116.9	108.2
73°	142.6	105.7	97.8
74°	129.7	94.7	88.0
75°	106.0	84.0	78.2
76°	87.2	72.6	68.9
77°	73.4	62.3	59.6
78°	62.0	52.6	50.5
79°	51.8	42.7	41.6
80°	42.0	33.8	33.3
81°	32.4	25.8	25.9
82°	24.1	18.9	19.1
83°	17.1	15.4	15.2
84°	12.2	12.0	11.4
85°	7.4	8.5	7.6
86°	2.6	2.4	1.6
87°	0.6	0.5	0.4
88°	0.3	0.2	0.2
89°	0.1	0.1	0.1

REPORT NUMBER: P1440350

CATALOG NUMBER: XSF200-SFTR-4Hx4V-850-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: P1440350

CATALOG NUMBER: XSF200-SFTR-4Hx4V-850-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: P1440350

CATALOG NUMBER: XSF200-SFTR-4Hx4V-850-Position 4

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)