

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: P1440351

Luminaire Tested: XSF200-SFTR-5Hx5V-830-Position 1

Issue Date: 04/15/2026

Test Information

Test Method: LM-79-2024
Report Number: P1440351
Test Lab: THIRD PARTY NVLAP
Issue Date: 7/15/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XSF200-SFTR-5Hx5V-830-Position 1
Description: LUMARK ALL SELECTABLE LUMINAIRE 200W w/ NEMA 5 FLOOD DISTRIBUTION 3000K CCT
80 CRI LIGHT ENGINE AT Position 1
Light Source: (1) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30802.3 lumens
Efficiency: N/A
Efficacy: 153.2 lumens/watt
Luminous Opening: Rectangular (W 0.42' x L: 0.42' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 201
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

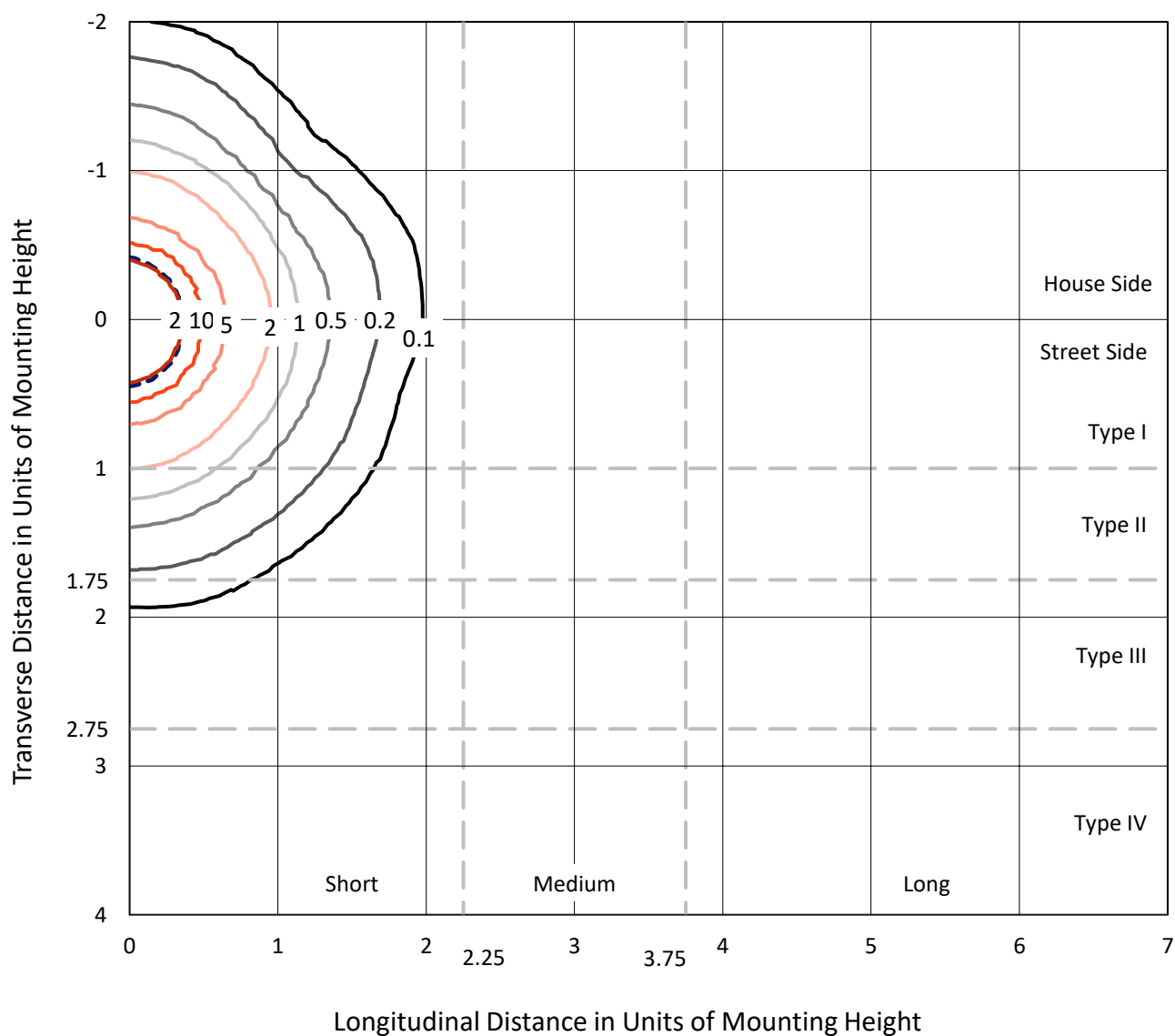
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



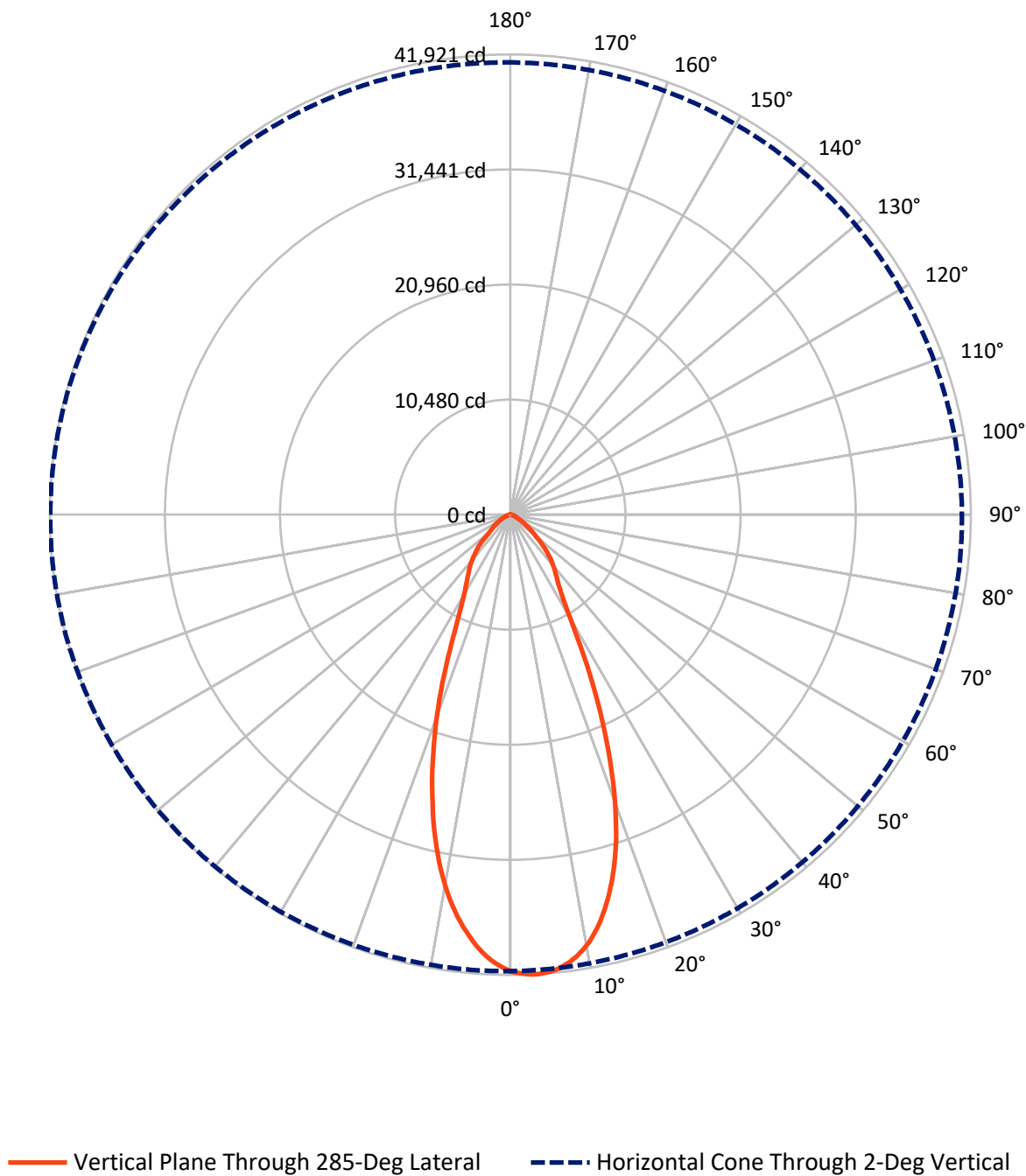
Based on 30 foot mounting height. Maximum calculated value = 46.3 fc

Type V - Short - N/A

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CATALOG NUMBER: XSF200-SFTR-5Hx5V-830-Position 1

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14965.7	0.0	14965.7
	% Fixture	48.6	0.0	48.6
Street Side	Lumens	15836.6	0.0	15836.6
	% Fixture	51.4	0.0	51.4
Total	Lumens	30802.3	0.0	30802.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3748.6	12.2
10°-20°	8860.4	28.8
20°-30°	7521.2	24.4
30°-40°	4599.4	14.9
40°-50°	3353.9	10.9
50°-60°	1665.5	5.4
60°-70°	749.8	2.4
70°-80°	269.5	0.9
80°-90°	34.0	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°	30802.3	100.0
0°-180°	30802.3	100.0

Coefficient of Utilization



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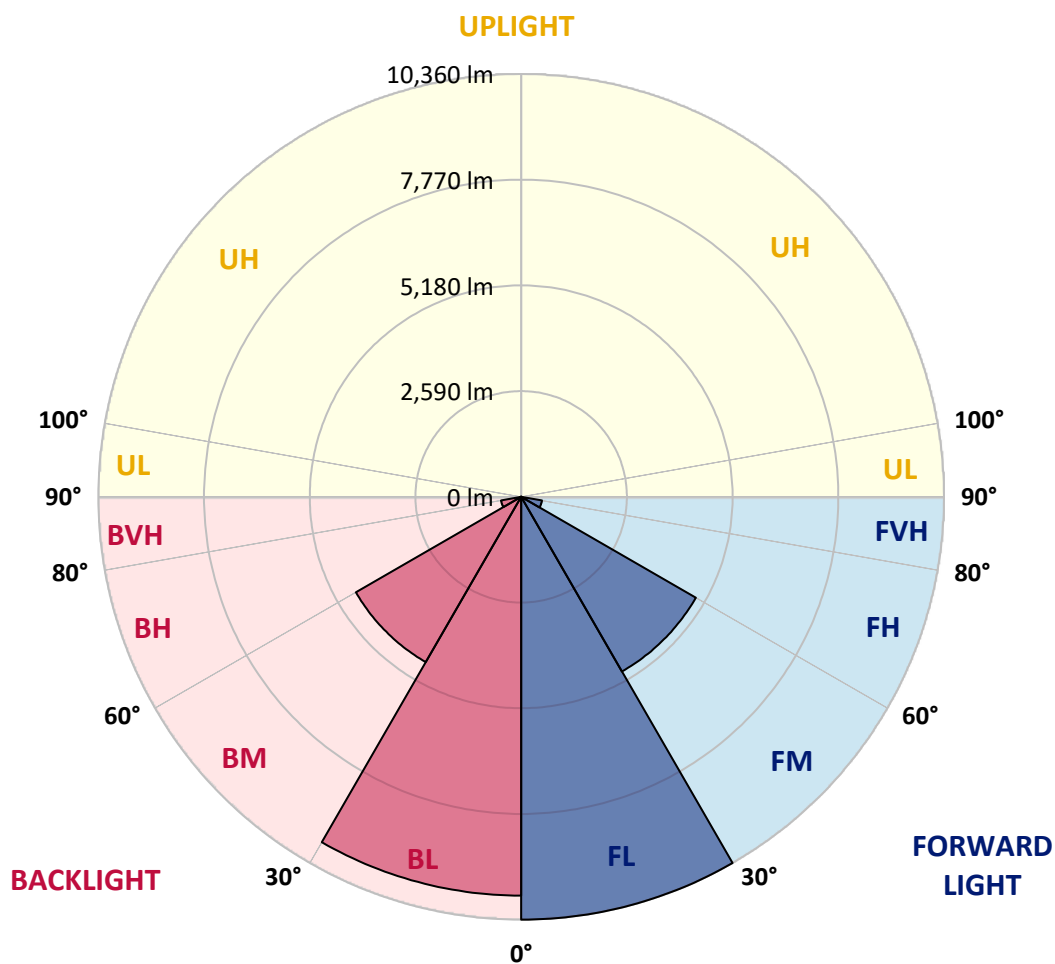
CATALOG NUMBER: XSF200-SFTR-5Hx5V-830-Position 1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	10359.9	33.6			
FM	(30°-60°)	4942.9	16.0			
FH	(60°-80°)	517.7	1.7			G0/660
FVH	(80°-90°)	16.2	0.1			G1/100
BL	(0°-30°)	9770.3	31.7	B5		
BM	(30°-60°)	4676.0	15.2	B3/5000		
BH	(60°-80°)	501.5	1.6	B2/1000		G0/660
BVH	(80°-90°)	17.8	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	41691.5	41691.5	41691.5	41691.5	41691.5	41691.5	41691.5	41691.5	41691.5	41691.5	41691.5
1°	41734.1	41671.9	41616.2	41570.3	41524.4	41488.4	41449.1	41406.5	41403.2	41413.0	41439.2
2°	41580.1	41465.5	41386.8	41324.6	41262.3	41183.7	41118.2	41052.6	41029.7	41039.5	41042.8
3°	41291.8	41154.2	41036.2	40944.5	40852.8	40761.0	40662.7	40597.2	40554.6	40551.3	40571.0
4°	40888.8	40698.8	40557.9	40466.2	40348.2	40253.2	40118.9	40037.0	40000.9	40004.2	40030.4
5°	40403.9	40220.4	40046.8	39896.1	39755.2	39643.8	39486.5	39385.0	39348.9	39381.7	39447.2
6°	39883.0	39676.6	39480.0	39276.9	39073.7	38916.5	38736.3	38618.3	38608.5	38696.9	38844.4
7°	39368.6	39132.7	38880.4	38595.4	38310.3	38107.2	37930.3	37809.0	37812.3	37956.5	38202.2
8°	38909.9	38615.0	38271.0	37877.8	37494.5	37225.9	36996.5	36901.5	36960.5	37186.5	37556.8
9°	38438.1	38094.1	37638.7	37107.9	36603.4	36252.8	35980.8	35905.5	36007.1	36338.0	36852.4
10°	37936.8	37527.3	36957.2	36301.9	35672.9	35224.0	34866.9	34817.7	34991.4	35433.7	36052.9
11°	37353.6	36901.5	36213.5	35440.2	34670.3	34087.1	33690.7	33641.5	33906.9	34441.0	35188.0
12°	36655.8	36138.1	35410.8	34493.4	33625.2	32910.9	32410.3	32392.6	32726.1	33372.9	34188.7
13°	35826.9	35273.2	34467.2	33461.3	32479.4	31623.3	31038.8	31041.4	31467.7	32198.6	33071.4
14°	34886.5	34250.9	33376.1	32344.1	31231.1	30263.0	29604.7	29618.2	30130.9	30922.8	31836.6
15°	33847.9	33166.5	32137.0	31108.9	29932.4	28836.4	28090.1	28138.3	28688.7	29548.7	30476.9
16°	32763.5	31933.6	30844.2	29782.7	28517.7	27346.4	26548.2	26580.3	27173.4	28105.2	29022.9
17°	31617.1	30653.5	29473.4	28356.5	27016.8	25785.8	24987.1	25028.3	25617.1	26549.6	27500.7
18°	30423.5	29350.5	28056.7	26854.6	25472.6	24229.2	23438.7	23432.1	24016.6	24948.1	25921.8
19°	29186.4	27994.1	26571.2	25263.3	23880.3	22643.2	21890.9	21876.2	22401.4	23248.0	24271.8
20°	27879.4	26547.9	25021.8	23649.0	22289.6	21098.0	20353.7	20326.5	20780.9	21514.8	22531.1
21°	26424.4	24968.4	23378.0	22012.8	20670.8	19544.7	18805.9	18763.6	19147.3	19767.2	20710.4
22°	24801.3	23337.4	21702.2	20354.0	19076.2	17980.9	17289.3	17222.1	17567.1	18043.2	18887.8
23°	23034.0	21563.9	19983.1	18668.6	17461.6	16437.4	15790.0	15691.7	15969.9	16360.1	17090.4
24°	21159.3	19751.5	18270.6	17015.4	15896.2	14957.8	14358.3	14248.2	14439.2	14731.4	15403.1
25°	19278.4	17993.0	16616.7	15441.4	14401.2	13585.4	13076.6	12909.1	13014.3	13237.4	13840.3
26°	17376.8	16241.5	15005.0	13929.4	13014.3	12351.2	11936.4	11750.6	11737.8	11911.5	12421.0
27°	15540.4	14595.8	13513.0	12544.8	11794.5	11301.1	10973.1	10773.3	10671.4	10759.2	11221.5
28°	13825.5	13068.7	12171.3	11335.8	10725.1	10392.9	10156.3	9939.5	9780.2	9815.0	10196.3
29°	12360.0	11766.0	11021.3	10309.7	9844.4	9627.2	9471.3	9254.0	9045.3	9030.9	9369.7
30°	11149.7	10663.9	10059.4	9445.7	9089.2	8989.0	8901.5	8677.4	8452.3	8396.0	8689.5
31°	10198.6	9805.5	9258.3	8723.3	8461.8	8459.5	8420.2	8207.2	7956.3	7873.4	8151.6
32°	9456.5	9112.5	8596.8	8139.1	7946.8	8012.3	8019.8	7794.1	7544.8	7440.6	7703.0
33°	8887.1	8569.9	8063.1	7641.8	7510.4	7630.3	7666.3	7440.6	7191.6	7063.8	7322.6
34°	8436.3	8139.8	7623.7	7219.4	7123.4	7294.5	7362.0	7128.3	6873.8	6743.7	7004.2
35°	8071.9	7779.0	7254.2	6848.5	6782.0	6983.2	7071.3	6835.4	6579.2	6445.9	6718.1
36°	7769.2	7471.7	6935.0	6512.4	6477.0	6701.1	6795.1	6563.5	6307.3	6175.6	6450.8
37°	7508.1	7194.5	6649.7	6218.8	6198.2	6430.5	6530.7	6312.5	6035.4	5905.0	6200.8
38°	7265.6	6928.2	6387.9	5951.5	5937.7	6166.1	6279.4	6061.2	5763.4	5634.3	5950.8
39°	7018.9	6663.4	6133.6	5691.0	5676.6	5898.7	6028.2	5809.6	5488.9	5355.2	5700.5
40°	6754.2	6398.4	5867.0	5423.7	5416.5	5616.3	5776.5	5539.3	5222.8	5082.6	5430.9
41°	6478.3	6125.1	5585.2	5154.0	5148.8	5330.9	5488.5	5274.3	4941.4	4814.6	5154.0
42°	6180.8	5835.5	5294.9	4882.4	4874.5	5026.2	5186.5	4987.6	4658.3	4543.3	4874.5
43°	5867.6	5528.8	5009.9	4602.3	4597.7	4712.0	4888.0	4714.0	4370.0	4264.2	4594.7
44°	5539.6	5209.7	4717.0	4331.0	4320.2	4408.0	4592.1	4440.4	4080.7	3990.6	4333.3

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CATALOG NUMBER: XSF200-SFTR-5Hx5V-830-Position 1

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	5182.9	4887.3	4427.3	4061.4	4057.1	4123.3	4310.4	4175.7	3808.1	3730.8	4077.7
46°	4821.1	4571.2	4138.0	3799.6	3798.6	3843.5	4005.3	3885.1	3531.6	3506.7	3838.2
47°	4469.9	4257.6	3855.6	3541.7	3510.0	3537.1	3680.3	3540.4	3188.8	3254.1	3573.8
48°	4142.0	3956.5	3557.8	3250.5	3209.2	3250.5	3374.0	3194.2	2845.0	2944.7	3249.4
49°	3794.0	3622.0	3207.3	2938.0	2938.1	2967.7	3087.1	2858.0	2540.2	2636.2	2889.5
50°	3473.9	3273.3	2912.4	2630.9	2667.0	2727.3	2835.5	2565.8	2220.8	2249.7	2568.6
51°	3222.7	2896.0	2619.4	2323.8	2396.0	2488.2	2632.5	2359.5	1975.7	1944.2	2259.1
52°	2910.8	2634.9	2326.4	2112.2	2189.0	2297.7	2451.9	2204.5	1802.4	1696.0	2039.6
53°	2628.9	2373.9	2095.6	1952.5	1991.8	2093.4	2286.7	2077.9	1651.3	1500.1	1902.4
54°	2348.1	2196.0	1934.3	1845.1	1810.6	1888.4	2099.7	1977.1	1524.2	1310.8	1754.0
55°	2153.4	1967.8	1766.0	1725.8	1669.2	1714.4	1933.9	1854.2	1407.5	1147.6	1588.1
56°	1931.1	1774.4	1624.1	1584.4	1572.4	1581.9	1792.8	1737.3	1297.3	1017.5	1418.3
57°	1717.2	1620.0	1484.3	1461.4	1484.7	1459.4	1649.4	1613.2	1210.3	929.6	1276.0
58°	1510.8	1471.1	1359.4	1344.9	1364.3	1319.9	1508.9	1522.7	1124.1	865.4	1149.9
59°	1366.5	1357.8	1251.8	1229.6	1269.6	1202.4	1383.4	1390.3	1018.3	807.5	1046.3
60°	1222.6	1277.8	1154.3	1124.1	1167.8	1056.4	1277.9	1257.8	935.9	755.4	957.8
61°	1093.2	1166.8	1047.6	1032.1	1059.2	938.3	1165.2	1169.0	884.4	712.2	875.1
62°	976.9	1044.4	949.9	945.4	963.6	869.1	1064.7	1085.6	819.1	669.0	805.0
63°	879.8	937.0	868.0	867.1	882.6	809.5	987.4	1001.5	756.5	625.8	745.3
64°	788.0	857.8	797.0	798.3	811.6	741.1	906.2	905.1	697.1	588.4	689.5
65°	710.1	776.0	736.7	736.1	742.0	679.2	826.2	818.7	637.7	552.9	633.7
66°	644.7	703.0	676.4	676.5	676.9	623.7	750.3	740.8	585.5	516.8	582.1
67°	585.0	637.4	618.9	619.7	614.4	574.8	674.5	663.0	534.5	481.4	530.1
68°	529.1	573.4	560.7	561.7	553.3	527.2	598.7	585.5	484.7	447.3	479.4
69°	477.4	514.1	501.1	503.4	495.8	478.8	533.2	522.5	439.9	412.7	437.1
70°	427.2	457.2	447.4	448.9	442.0	433.4	480.8	469.4	399.3	379.2	420.8
71°	383.0	406.7	407.6	398.6	393.7	391.7	462.2	420.9	362.1	345.6	399.9
72°	340.2	361.1	399.5	353.8	349.5	352.3	412.9	375.4	326.9	312.9	359.6
73°	300.2	318.5	357.8	312.8	308.9	314.0	356.0	332.2	292.1	278.9	307.8
74°	265.3	279.6	303.0	276.5	273.5	278.9	305.1	291.9	259.1	246.8	266.1
75°	230.6	240.8	259.8	240.4	238.1	243.9	262.8	253.6	227.5	217.0	230.1
76°	195.8	202.0	216.8	204.2	202.8	208.9	227.3	219.0	197.5	188.1	196.6
77°	166.4	168.9	173.8	171.5	172.5	178.1	195.8	187.0	169.5	160.7	167.0
78°	137.3	136.7	145.0	142.5	145.7	150.2	168.6	157.5	143.6	133.3	140.3
79°	108.2	109.3	119.6	117.1	120.8	124.0	141.9	130.1	119.7	109.4	117.4
80°	84.3	84.9	95.3	94.4	96.7	100.4	115.4	105.9	97.4	88.7	96.1
81°	64.2	64.4	72.1	75.2	78.4	81.4	93.9	87.5	79.6	72.2	77.7
82°	47.8	48.9	55.2	56.3	60.0	63.8	75.8	69.1	61.7	55.7	59.4
83°	34.0	34.3	37.5	39.3	43.4	47.6	57.8	50.8	44.0	39.3	41.1
84°	23.9	24.0	26.5	28.4	31.9	35.0	39.9	37.2	32.6	28.6	28.4
85°	13.8	13.9	15.4	17.7	20.7	23.7	25.2	25.6	21.9	18.7	17.3
86°	3.6	3.8	4.4	6.9	9.5	14.1	13.6	13.7	11.6	10.0	8.9
87°	1.1	1.1	1.2	1.7	2.9	4.5	5.2	5.2	4.5	4.1	3.8
88°	0.5	0.5	0.5	0.5	0.7	1.0	1.3	1.4	1.5	1.6	1.8
89°	0.3	0.2	0.3	0.3	0.3	0.3	0.6	0.6	0.6	0.7	0.7

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CATALOG NUMBER: XSF200-SFTR-5Hx5V-830-Position 1

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P1440351

CATALOG NUMBER: XSF200-SFTR-5Hx5V-830-Position 1

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P1440351
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CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1440351

CATALOG NUMBER: XSF200-SFTR-5Hx5V-830-Position 1

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	41691.5	41691.5	41691.5	41691.5	41691.5	41691.5	41691.5	41691.5	41691.5	41691.5	41691.5
1°	41472.0	41540.8	41570.3	41642.4	41691.5	41750.5	41796.4	41819.3	41812.7	41839.0	41848.8
2°	41098.5	41193.5	41288.5	41416.3	41567.0	41701.3	41819.3	41888.1	41920.9	41897.9	41865.2
3°	40636.5	40731.5	40882.3	41072.3	41308.2	41537.5	41766.9	41861.9	41914.3	41871.7	41770.2
4°	40109.0	40227.0	40403.9	40643.1	40977.3	41304.9	41632.5	41780.0	41852.1	41740.7	41547.4
5°	39568.4	39702.8	39886.3	40158.2	40564.5	40996.9	41409.8	41635.8	41707.9	41531.0	41252.5
6°	39027.8	39165.5	39352.2	39673.3	40109.0	40616.9	41114.9	41409.8	41455.6	41249.2	40879.0
7°	38457.8	38657.6	38864.0	39175.3	39624.1	40171.3	40734.8	41075.6	41118.2	40865.9	40459.6
8°	37910.6	38166.2	38395.5	38710.0	39139.2	39686.4	40272.9	40659.5	40711.9	40423.6	39978.0
9°	37324.1	37628.8	37923.7	38238.2	38638.0	39139.2	39725.7	40122.1	40174.6	39889.5	39447.2
10°	36632.8	37009.6	37356.9	37727.1	38081.0	38516.7	39060.6	39476.7	39545.5	39270.3	38926.3
11°	35849.8	36275.7	36698.4	37134.1	37494.5	37809.0	38277.6	38683.8	38782.1	38562.6	38349.6
12°	34929.1	35387.8	35882.6	36446.1	36822.9	37048.9	37396.2	37769.7	37894.2	37776.3	37727.1
13°	33861.0	34342.7	34929.1	35636.8	36069.3	36154.5	36429.7	36763.9	36894.9	36891.7	37029.3
14°	32669.1	33215.6	33841.4	34690.0	35171.6	35210.9	35345.2	35646.7	35794.1	35925.1	36239.7
15°	31398.9	32026.6	32697.9	33612.0	34175.6	34155.9	34185.4	34404.9	34621.2	34870.2	35342.0
16°	30067.7	30819.9	31483.7	32392.6	32973.2	32943.7	32917.5	33045.2	33320.5	33733.3	34319.7
17°	28703.8	29612.9	30283.3	31069.6	31629.5	31642.6	31521.7	31559.4	31913.6	32454.5	33107.5
18°	27247.4	28349.9	29028.8	29671.6	30150.6	30205.0	30008.7	29972.0	30371.4	31103.7	31751.1
19°	25685.6	26947.0	27692.0	28196.2	28536.3	28625.8	28372.5	28280.1	28741.8	29589.7	30219.7
20°	23988.4	25371.0	26175.4	26602.0	26788.4	26922.7	26634.7	26511.2	26992.5	27925.9	28591.7
21°	22171.0	23595.6	24469.1	24835.4	24929.4	25135.8	24817.7	24702.3	25195.1	26173.4	26825.4
22°	20272.4	21700.2	22609.7	22927.9	23024.5	23249.0	22971.8	22871.5	23383.3	24330.2	24986.1
23°	18390.8	19751.8	20664.6	20911.9	21016.5	21315.3	21104.6	21045.6	21539.0	22446.9	23042.5
24°	16548.2	17811.5	18648.0	18938.9	19062.8	19360.6	19239.4	19211.8	19723.0	20530.6	21076.4
25°	14850.7	15919.1	16727.1	16999.7	17114.0	17501.9	17392.2	17411.5	17932.1	18657.8	19115.8
26°	13274.1	14162.3	14871.0	15170.1	15293.7	15605.6	15573.8	15647.5	16152.1	16791.6	17219.5
27°	11929.2	12666.4	13269.5	13553.3	13636.5	13890.1	13886.5	13997.5	14469.7	15036.8	15406.4
28°	10792.9	11386.0	11846.0	12090.4	12146.7	12306.3	12351.2	12489.1	12884.6	13379.9	13727.9
29°	9899.2	10407.6	10741.8	10891.9	10876.2	10946.6	11031.1	11214.9	11525.9	11907.6	12225.0
30°	9196.4	9635.4	9853.0	9889.3	9808.1	9828.4	9964.4	10175.4	10398.5	10641.2	10903.4
31°	8639.4	9052.5	9193.4	9106.9	8951.0	8948.7	9126.6	9356.3	9510.3	9610.8	9836.2
32°	8200.4	8585.0	8648.9	8467.4	8272.8	8249.2	8463.5	8707.2	8809.1	8812.7	8962.1
33°	7840.6	8206.9	8236.1	7963.5	7712.8	7704.7	7931.7	8192.2	8243.9	8161.4	8265.2
34°	7530.4	7907.1	7874.7	7550.0	7269.6	7258.7	7504.5	7771.8	7795.4	7643.1	7708.9
35°	7263.0	7650.3	7568.4	7196.5	6883.3	6886.2	7140.1	7413.7	7419.6	7217.5	7246.0
36°	7017.6	7418.3	7297.1	6882.0	6551.4	6560.9	6825.0	7111.3	7093.3	6850.5	6863.9
37°	6778.1	7191.6	7038.2	6596.6	6278.5	6292.2	6547.8	6832.2	6792.9	6527.5	6531.1
38°	6527.8	6953.4	6783.7	6337.4	6005.2	6023.9	6301.7	6580.5	6516.3	6233.6	6235.9
39°	6268.3	6707.0	6523.2	6078.6	5732.0	5755.2	6055.7	6331.5	6255.9	5956.7	5958.4
40°	6008.8	6445.2	6238.2	5819.4	5454.1	5482.6	5809.6	6072.4	5981.6	5684.1	5686.8
41°	5749.0	6172.3	5953.5	5536.4	5176.6	5210.0	5541.6	5799.5	5701.8	5413.5	5419.7
42°	5443.3	5898.7	5667.1	5232.3	4896.8	4933.9	5260.8	5513.8	5402.4	5133.4	5145.5
43°	5144.2	5595.7	5341.1	4927.0	4609.8	4656.7	4973.8	5204.5	5084.2	4854.9	4864.1
44°	4848.7	5287.7	5018.1	4607.2	4314.9	4372.0	4685.8	4891.3	4749.7	4564.0	4583.9

REPORT NUMBER: P1440351

CATALOG NUMBER: XSF200-SFTR-5Hx5V-830-Position 1

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	4568.5	4989.5	4695.7	4295.6	4018.4	4065.9	4392.3	4584.9	4410.0	4270.4	4303.2
46°	4294.0	4701.6	4403.4	4006.0	3740.9	3770.1	4106.9	4288.7	4074.5	3967.7	4028.9
47°	3991.6	4376.5	4104.6	3747.5	3483.4	3485.7	3824.5	4017.8	3776.0	3678.4	3765.5
48°	3645.6	4040.4	3749.1	3428.4	3198.5	3181.1	3518.8	3724.2	3466.4	3405.8	3510.3
49°	3333.0	3734.4	3402.8	3065.1	2838.5	2815.7	3185.8	3420.8	3152.5	3120.8	3209.2
50°	3068.9	3527.0	3145.2	2739.5	2455.4	2492.3	2832.5	3105.8	2913.6	2834.1	2921.7
51°	2824.8	3263.2	2955.9	2471.6	2102.6	2212.1	2519.4	2877.7	2675.0	2547.3	2583.6
52°	2629.6	2992.5	2735.4	2177.7	1787.6	1918.3	2281.3	2650.5	2436.4	2260.5	2244.1
53°	2513.9	2837.7	2612.5	2033.1	1606.7	1729.8	2126.7	2423.3	2236.8	2052.6	2045.4
54°	2368.5	2694.8	2482.7	1868.3	1418.5	1591.4	2014.6	2220.9	2038.0	1885.1	1893.3
55°	2219.3	2508.1	2282.5	1691.5	1234.0	1465.9	1924.2	2036.6	1850.6	1743.7	1750.8
56°	2008.9	2296.6	2066.6	1524.7	1082.1	1362.8	1827.8	1885.4	1690.6	1634.1	1622.8
57°	1809.7	2075.2	1868.7	1366.6	979.1	1279.5	1700.7	1721.9	1528.3	1532.7	1499.0
58°	1662.8	1884.5	1692.6	1225.0	908.8	1202.8	1576.0	1569.9	1363.1	1392.8	1386.1
59°	1505.4	1731.4	1528.8	1115.4	847.3	1097.2	1492.5	1451.2	1272.1	1277.8	1278.8
60°	1340.3	1565.2	1367.7	1033.0	792.5	990.0	1366.1	1329.5	1148.0	1204.0	1180.2
61°	1205.5	1392.4	1219.8	934.5	741.5	909.0	1226.9	1201.9	1010.4	1104.8	1086.4
62°	1089.5	1240.9	1085.7	840.5	696.2	845.9	1123.2	1108.2	910.8	1004.0	997.1
63°	979.9	1101.7	977.0	765.0	651.0	783.4	1042.3	1025.7	824.9	908.3	916.5
64°	896.3	983.4	881.4	703.8	612.2	724.8	949.1	942.1	751.1	828.0	840.3
65°	814.8	876.1	800.2	642.6	575.5	666.2	862.4	864.1	692.2	760.1	770.2
66°	739.4	787.7	728.8	593.5	539.2	607.7	783.5	790.3	638.1	695.4	706.7
67°	664.1	699.3	657.3	545.0	502.9	557.5	707.5	718.6	590.2	634.7	646.9
68°	589.1	611.1	585.8	496.4	467.2	513.1	631.8	649.2	543.5	575.9	586.8
69°	523.8	535.5	522.0	450.5	433.0	468.2	568.9	583.8	498.2	518.6	526.2
70°	458.8	470.0	463.3	413.5	399.5	424.9	509.7	521.8	454.0	464.6	469.6
71°	402.2	413.4	409.6	388.4	365.5	384.3	457.6	467.2	411.1	412.1	418.1
72°	351.6	362.6	361.3	370.6	332.0	347.5	409.3	430.6	371.5	366.9	372.2
73°	305.6	314.8	316.0	327.5	298.3	312.7	364.1	394.9	333.7	325.5	329.4
74°	262.5	271.4	273.0	278.4	264.8	278.5	321.2	340.4	297.6	289.5	292.9
75°	223.8	232.6	233.1	238.7	233.0	246.0	280.1	290.1	263.8	253.8	254.6
76°	190.3	198.1	198.6	203.1	203.0	215.3	240.6	249.9	229.9	218.0	216.3
77°	160.4	167.6	167.7	172.9	174.2	185.5	206.4	209.8	196.0	186.5	183.7
78°	133.3	140.4	139.5	146.3	145.9	157.1	175.0	178.3	166.4	158.1	153.5
79°	109.4	115.9	114.4	123.4	120.8	132.6	147.0	150.7	139.9	133.3	127.3
80°	88.1	93.8	92.2	101.3	98.6	109.6	120.8	123.4	114.3	108.8	103.9
81°	72.7	77.8	76.0	82.7	80.9	90.0	97.8	99.8	90.9	87.1	83.0
82°	57.4	61.8	59.8	64.1	63.2	70.4	80.1	80.3	72.1	68.3	63.0
83°	42.2	45.8	43.8	45.5	45.7	51.1	62.3	62.5	54.3	50.6	44.8
84°	33.9	37.1	35.6	32.8	36.3	39.8	44.6	45.5	41.3	37.5	30.7
85°	24.3	26.5	25.7	20.6	26.2	29.5	32.6	30.2	30.9	26.9	20.6
86°	12.5	13.5	14.3	11.0	15.2	18.4	20.2	19.3	19.8	16.4	10.7
87°	4.3	4.5	5.1	4.8	6.4	7.6	9.1	8.5	8.7	5.8	3.3
88°	2.0	2.0	2.1	2.1	2.2	2.7	3.0	2.5	2.5	1.5	0.8
89°	0.7	0.7	0.8	0.9	1.0	1.0	0.9	0.7	0.6	0.4	0.3

REPORT NUMBER: P1440351

CATALOG NUMBER: XSF200-SFTR-5Hx5V-830-Position 1

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1440351

CATALOG NUMBER: XSF200-SFTR-5Hx5V-830-Position 1

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P1440351
CATALOG NUMBER: XSF200-SFTR-5Hx5V-830-Position 1

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1440351

CATALOG NUMBER: XSF200-SFTR-5Hx5V-830-Position 1

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	41691.5	41691.5	41691.5
1°	41799.6	41783.3	41734.1
2°	41770.2	41671.9	41580.1
3°	41599.8	41436.0	41291.8
4°	41295.1	41062.5	40888.8
5°	40908.5	40607.0	40403.9
6°	40472.7	40122.1	39883.0
7°	39994.4	39630.7	39368.6
8°	39506.2	39152.3	38909.9
9°	39047.5	38700.2	38438.1
10°	38572.4	38235.0	37936.8
11°	38071.2	37717.3	37353.6
12°	37540.4	37117.7	36655.8
13°	36891.7	36360.9	35826.9
14°	36125.0	35492.7	34886.5
15°	35207.6	34513.0	33847.9
16°	34172.3	33458.1	32763.5
17°	33035.4	32331.6	31617.1
18°	31763.2	31147.2	30423.5
19°	30388.8	29926.8	29186.4
20°	28906.6	28650.0	27879.4
21°	27292.0	27224.2	26424.4
22°	25578.4	25625.3	24801.3
23°	23682.1	23870.2	23034.0
24°	21719.2	21951.5	21159.3
25°	19751.8	20001.8	19278.4
26°	17789.9	18008.4	17376.8
27°	15918.1	16087.5	15540.4
28°	14157.8	14261.9	13825.5
29°	12575.3	12649.0	12360.0
30°	11218.5	11287.3	11149.7
31°	10121.0	10246.4	10198.6
32°	9253.4	9434.9	9456.5
33°	8567.6	8811.1	8887.1
34°	8025.4	8331.4	8436.3
35°	7581.1	7941.5	8071.9
36°	7225.0	7630.0	7769.2
37°	6917.7	7361.0	7508.1
38°	6632.3	7112.0	7265.6
39°	6355.5	6856.1	7018.9
40°	6081.6	6582.5	6754.2
41°	5803.4	6302.7	6478.3
42°	5505.9	6012.1	6180.8
43°	5219.9	5716.2	5867.6
44°	4933.2	5400.7	5539.6

REPORT NUMBER: P1440351

CATALOG NUMBER: XSF200-SFTR-5Hx5V-830-Position 1

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	4640.0	5074.1	5182.9
46°	4346.1	4740.9	4821.1
47°	4047.9	4416.2	4469.9
48°	3761.6	4093.1	4142.0
49°	3459.5	3750.4	3794.0
50°	3107.2	3400.5	3473.9
51°	2812.7	3021.6	3222.7
52°	2519.1	2754.3	2910.8
53°	2225.3	2489.9	2628.9
54°	2027.4	2225.6	2348.1
55°	1865.3	2062.3	2153.4
56°	1747.0	1901.0	1931.1
57°	1604.0	1712.9	1717.2
58°	1465.8	1548.5	1510.8
59°	1341.7	1410.5	1366.5
60°	1227.2	1260.5	1222.6
61°	1127.0	1128.1	1093.2
62°	1025.4	1027.1	976.9
63°	927.5	932.4	879.8
64°	842.9	846.3	788.0
65°	768.3	765.4	710.1
66°	694.2	693.8	644.7
67°	622.1	633.4	585.0
68°	558.0	574.6	529.1
69°	497.8	518.6	477.4
70°	446.6	464.4	427.2
71°	400.3	415.1	383.0
72°	367.2	370.1	340.2
73°	351.2	325.8	300.2
74°	312.0	287.1	265.3
75°	260.8	248.4	230.6
76°	217.3	209.8	195.8
77°	187.2	176.4	166.4
78°	157.2	145.1	137.3
79°	127.2	116.3	108.2
80°	102.1	90.6	84.3
81°	78.1	68.2	64.2
82°	58.4	50.0	47.8
83°	41.7	36.5	34.0
84°	29.8	25.9	23.9
85°	18.0	15.4	13.8
86°	6.2	4.8	3.6
87°	1.5	1.2	1.1
88°	0.6	0.6	0.5
89°	0.2	0.2	0.3

REPORT NUMBER: P1440351

CATALOG NUMBER: XSF200-SFTR-5Hx5V-830-Position 1

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1440351

CATALOG NUMBER: XSF200-SFTR-5Hx5V-830-Position 1

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1440351

CATALOG NUMBER: XSF200-SFTR-5Hx5V-830-Position 1

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)