

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: P1440353

Luminaire Tested: XSF200-SFTR-5Hx5V-830-Position 3

Issue Date: 04/15/2026

Test Information

Test Method: LM-79-2024
Report Number: P1440353
Test Lab: THIRD PARTY NVLAP
Issue Date: 7/15/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XSF200-SFTR-5Hx5V-830-Position 3
Description: LUMARK ALL SELECTABLE LUMINAIRE 200W w/ NEMA 5 FLOOD DISTRIBUTION 3000K CCT
80 CRI LIGHT ENGINE AT Position 3
Light Source: (1) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19267.6 lumens
Efficiency: N/A
Efficacy: 161.9 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): 119
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

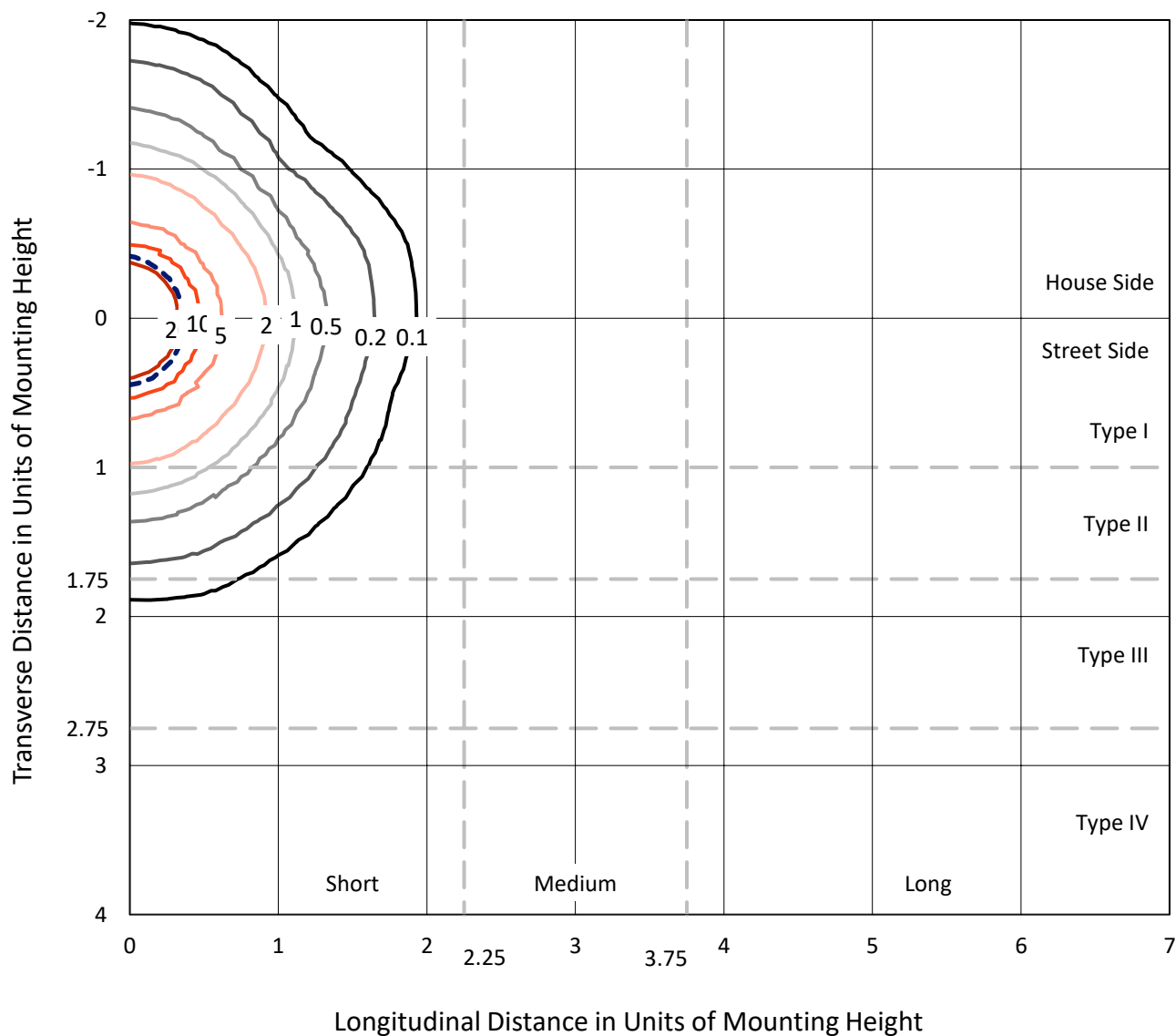
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



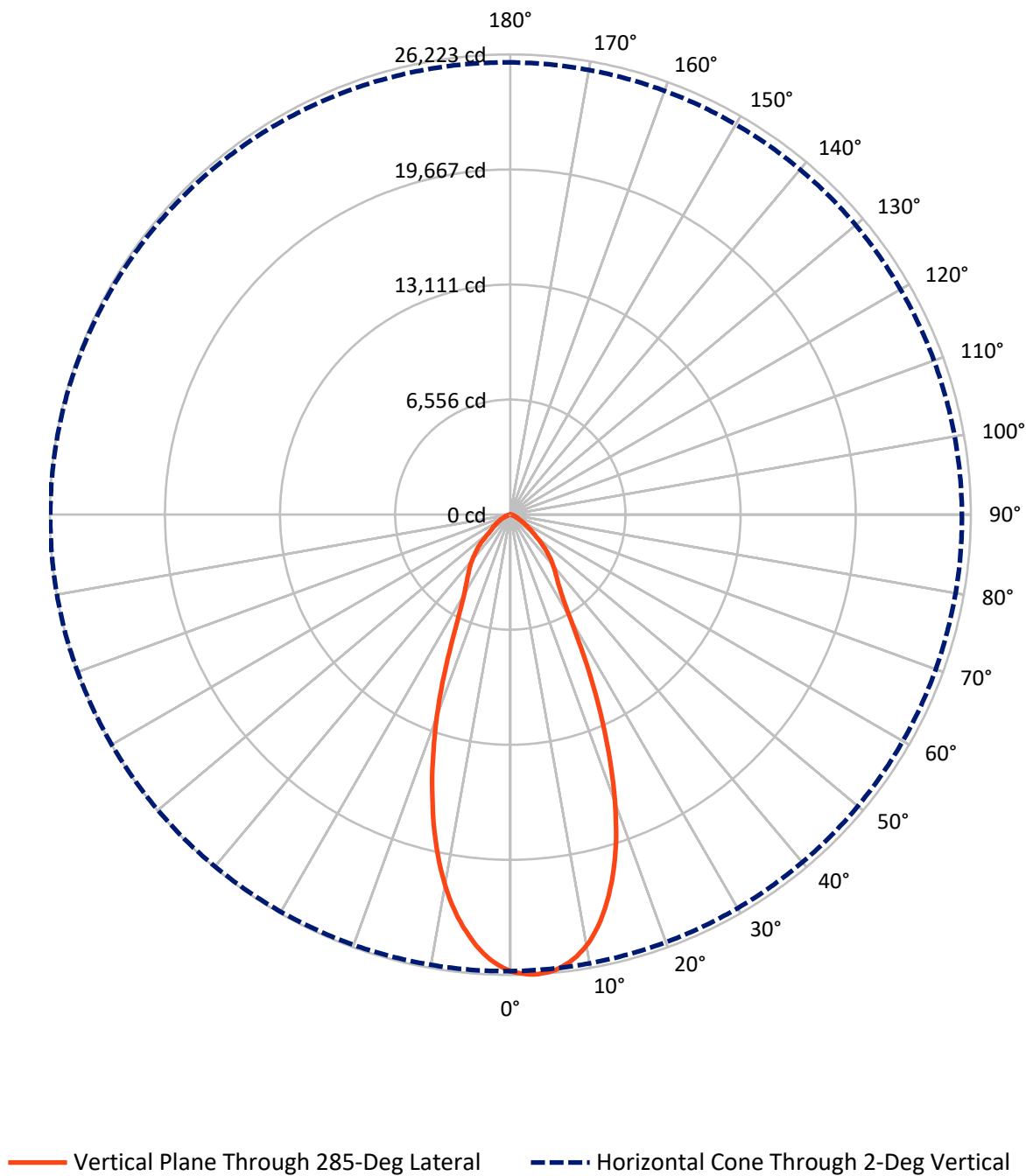
Based on 25 foot mounting height. Maximum calculated value = 41.7 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9361.4	0.0	9361.4
	% Fixture	48.6	0.0	48.6
Street Side	Lumens	9906.2	0.0	9906.2
	% Fixture	51.4	0.0	51.4
Total	Lumens	19267.6	0.0	19267.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2344.8	12.2
10°-20°	5542.4	28.8
20°-30°	4704.7	24.4
30°-40°	2877.0	14.9
40°-50°	2098.0	10.9
50°-60°	1041.8	5.4
60°-70°	469.0	2.4
70°-80°	168.6	0.9
80°-90°	21.3	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°	19267.6	100.0
0°-180°	19267.6	100.0

Coefficient of Utilization



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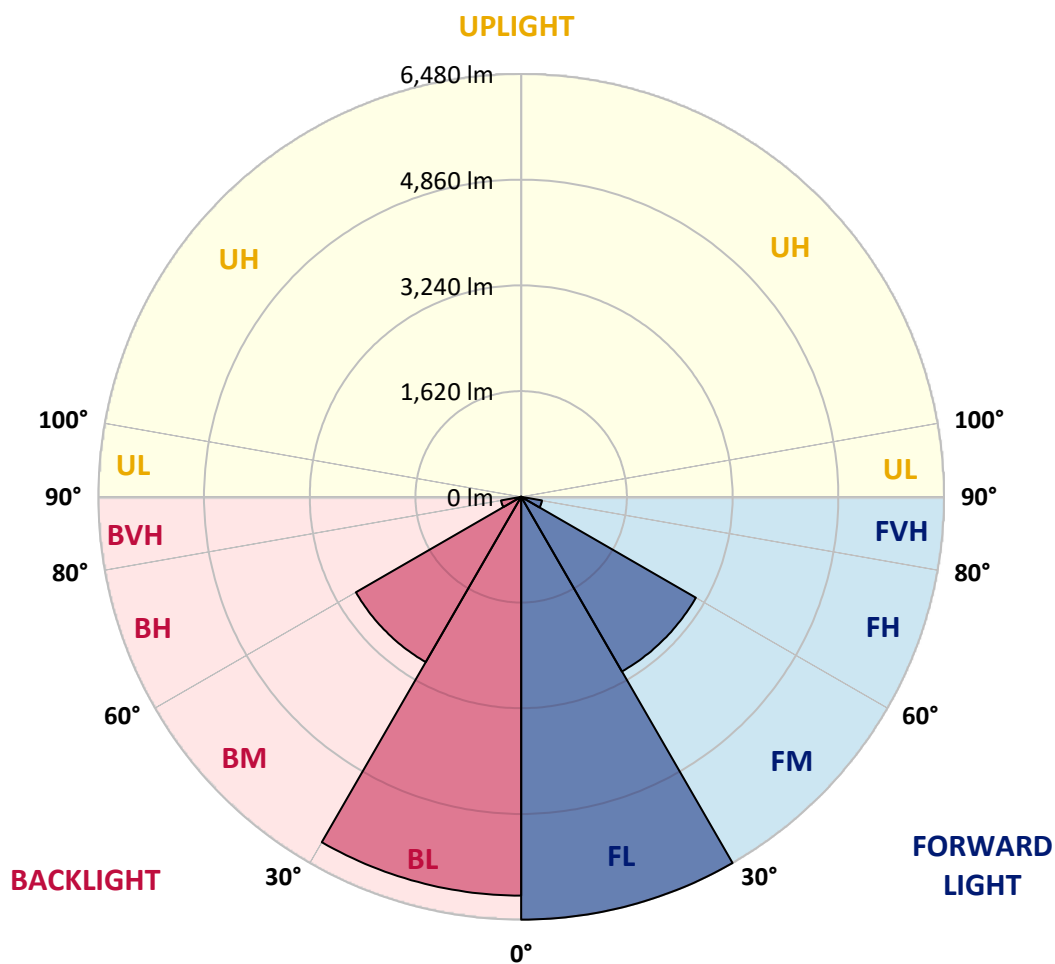
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	6480.4	33.6			
FM	(30°-60°)	3091.9	16.0			
FH	(60°-80°)	323.9	1.7			G0/660
FVH	(80°-90°)	10.1	0.1			G1/100
BL	(0°-30°)	6111.6	31.7	B5		
BM	(30°-60°)	2925.0	15.2	B3/5000		
BH	(60°-80°)	313.7	1.6	B1/500		G0/660
BVH	(80°-90°)	11.2	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°	26079.1	26079.1	26079.1	26079.1	26079.1	26079.1	26079.1	26079.1	26079.1	26079.1	26079.1
1°	26105.8	26066.8	26032.0	26003.3	25974.6	25952.1	25927.5	25900.8	25898.8	25904.9	25921.3
2°	26009.4	25937.7	25888.5	25849.6	25810.6	25761.5	25720.5	25679.5	25665.1	25671.3	25673.3
3°	25829.1	25743.0	25669.2	25611.8	25554.5	25497.1	25435.6	25394.6	25368.0	25365.9	25378.2
4°	25577.0	25458.1	25370.0	25312.6	25238.8	25179.4	25095.4	25044.1	25021.6	25023.7	25040.1
5°	25273.7	25158.9	25050.3	24956.0	24867.9	24798.2	24699.8	24636.3	24613.8	24634.3	24675.3
6°	24947.8	24818.7	24695.7	24568.7	24441.6	24343.2	24230.5	24156.7	24150.6	24205.9	24298.2
7°	24626.1	24478.5	24320.7	24142.4	23964.1	23837.0	23726.4	23650.5	23652.6	23742.8	23896.5
8°	24339.1	24154.7	23939.5	23693.6	23453.8	23285.7	23142.3	23082.8	23119.7	23261.1	23492.7
9°	24044.0	23828.8	23544.0	23212.0	22896.3	22677.0	22506.9	22459.8	22523.3	22730.3	23052.1
10°	23730.5	23474.3	23117.7	22707.8	22314.3	22033.5	21810.1	21779.4	21888.0	22164.7	22552.0
11°	23365.7	23082.8	22652.5	22168.8	21687.2	21322.4	21074.4	21043.6	21209.6	21543.7	22011.0
12°	22929.1	22605.3	22150.3	21576.5	21033.4	20586.6	20273.5	20262.4	20471.0	20875.6	21385.9
13°	22410.6	22064.3	21560.1	20930.9	20316.7	19781.2	19415.6	19417.2	19683.8	20141.1	20687.0
14°	21822.4	21424.8	20877.6	20232.1	19535.9	18930.3	18518.5	18526.9	18847.7	19343.0	19914.6
15°	21172.8	20746.5	20102.5	19459.4	18723.5	18037.9	17571.1	17601.2	17945.5	18483.5	19064.1
16°	20494.4	19975.3	19293.8	18629.8	17838.5	17105.9	16606.6	16626.7	16997.6	17580.5	18154.5
17°	19777.3	19174.6	18436.3	17737.7	16899.7	16129.7	15630.0	15655.9	16024.2	16607.4	17202.4
18°	19030.7	18359.5	17550.2	16798.2	15933.8	15156.0	14661.5	14657.4	15023.0	15605.7	16214.8
19°	18256.8	17511.0	16621.0	15802.8	14937.7	14163.9	13693.3	13684.1	14012.6	14542.2	15182.7
20°	17439.3	16606.4	15651.8	14793.1	13942.7	13197.4	12731.7	12714.7	12999.0	13458.1	14093.8
21°	16529.1	15618.4	14623.6	13769.6	12930.1	12225.7	11763.6	11737.1	11977.1	12364.9	12954.9
22°	15513.8	14598.2	13575.3	12731.9	11932.7	11247.5	10814.9	10772.9	10988.7	11286.5	11814.8
23°	14408.4	13488.8	12499.9	11677.7	10922.7	10282.0	9877.1	9815.6	9989.6	10233.7	10690.5
24°	13235.7	12355.0	11428.7	10643.6	9943.5	9356.5	8981.5	8912.6	9032.1	9214.9	9635.0
25°	12059.1	11255.1	10394.1	9659.0	9008.3	8498.0	8179.7	8075.0	8140.8	8280.4	8657.4
26°	10869.6	10159.5	9386.0	8713.2	8140.8	7726.0	7466.5	7350.3	7342.3	7450.9	7769.6
27°	9720.9	9130.0	8452.7	7847.1	7377.8	7069.1	6864.0	6739.0	6675.2	6730.2	7019.3
28°	8648.2	8174.8	7613.5	7090.9	6708.8	6501.0	6353.1	6217.4	6117.8	6139.5	6378.1
29°	7731.5	7359.9	6894.1	6449.0	6158.0	6022.1	5924.5	5788.6	5658.1	5649.1	5861.0
30°	6974.4	6670.5	6292.4	5908.5	5685.6	5622.8	5568.1	5427.9	5287.1	5251.9	5435.5
31°	6379.5	6133.6	5791.3	5456.6	5293.1	5291.7	5267.1	5133.8	4976.9	4925.0	5099.0
32°	5915.3	5700.1	5377.5	5091.2	4970.9	5011.9	5016.6	4875.4	4719.4	4654.3	4818.4
33°	5559.1	5360.7	5043.7	4780.1	4697.9	4772.9	4795.5	4654.3	4498.5	4418.6	4580.5
34°	5277.1	5091.6	4768.8	4515.9	4455.9	4562.9	4605.1	4459.0	4299.7	4218.4	4381.3
35°	5049.2	4866.0	4537.7	4283.9	4242.3	4368.2	4423.3	4275.7	4115.5	4032.1	4202.4
36°	4859.8	4673.7	4338.0	4073.7	4051.5	4191.7	4250.5	4105.6	3945.4	3863.0	4035.1
37°	4696.5	4500.4	4159.5	3890.0	3877.1	4022.4	4085.1	3948.7	3775.3	3693.7	3878.8
38°	4544.8	4333.7	3995.8	3722.8	3714.2	3857.0	3928.0	3791.5	3605.2	3524.4	3722.4
39°	4390.5	4168.1	3836.8	3559.9	3550.9	3689.8	3770.8	3634.1	3433.4	3349.8	3565.8
40°	4224.9	4002.4	3669.9	3392.6	3388.1	3513.1	3613.4	3465.0	3267.0	3179.3	3397.2
41°	4052.4	3831.4	3493.7	3224.0	3220.7	3334.6	3433.2	3299.2	3091.0	3011.7	3224.0
42°	3866.3	3650.3	3312.1	3054.1	3049.2	3144.0	3244.3	3119.9	2913.9	2842.0	3049.2
43°	3670.3	3458.4	3133.8	2878.8	2876.0	2947.5	3057.6	2948.7	2733.5	2667.3	2874.1
44°	3465.2	3258.8	2950.6	2709.2	2702.4	2757.3	2872.5	2777.6	2552.6	2496.2	2710.6

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CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	3242.0	3057.1	2769.4	2540.5	2537.8	2579.2	2696.2	2612.0	2382.1	2333.7	2550.7
46°	3015.8	2859.4	2588.4	2376.7	2376.1	2404.2	2505.4	2430.2	2209.1	2193.5	2400.9
47°	2796.1	2663.2	2411.8	2215.4	2195.6	2212.6	2302.1	2214.6	1994.7	2035.5	2235.5
48°	2590.9	2474.9	2225.5	2033.2	2007.4	2033.3	2110.5	1998.1	1779.6	1842.0	2032.6
49°	2373.3	2265.7	2006.2	1837.8	1837.8	1856.4	1931.1	1787.7	1588.9	1649.0	1807.5
50°	2173.0	2047.5	1821.8	1645.7	1668.3	1706.0	1773.7	1605.0	1389.2	1407.3	1606.7
51°	2015.9	1811.5	1638.5	1453.6	1498.8	1556.4	1646.7	1475.9	1235.9	1216.2	1413.1
52°	1820.8	1648.2	1455.2	1321.2	1369.3	1437.3	1533.7	1379.0	1127.4	1060.9	1275.8
53°	1644.4	1484.9	1310.9	1221.4	1245.9	1309.4	1430.4	1299.8	1032.9	938.3	1190.0
54°	1468.8	1373.7	1210.0	1154.2	1132.6	1181.3	1313.4	1236.7	953.4	819.9	1097.2
55°	1347.0	1230.9	1104.7	1079.6	1044.1	1072.4	1209.7	1159.9	880.4	717.9	993.4
56°	1207.9	1109.9	1015.9	991.1	983.6	989.5	1121.5	1086.8	811.5	636.5	887.2
57°	1074.2	1013.3	928.4	914.1	928.7	912.9	1031.7	1009.1	757.1	581.5	798.2
58°	945.1	920.2	850.3	841.3	853.4	825.7	943.8	952.5	703.1	541.3	719.3
59°	854.8	849.3	783.0	769.1	794.2	752.1	865.4	869.7	637.0	505.1	654.5
60°	764.8	799.3	722.0	703.1	730.5	660.8	799.4	786.8	585.4	472.5	599.1
61°	683.8	729.9	655.3	645.6	662.6	587.0	728.9	731.2	553.2	445.5	547.4
62°	611.1	653.3	594.2	591.4	602.8	543.7	666.0	679.1	512.4	418.5	503.6
63°	550.4	586.1	542.9	542.4	552.1	506.4	617.6	626.5	473.2	391.4	466.2
64°	492.9	536.6	498.6	499.4	507.6	463.6	566.9	566.2	436.0	368.0	431.3
65°	444.2	485.4	460.8	460.4	464.2	424.8	516.8	512.1	398.9	345.8	396.4
66°	403.2	439.7	423.1	423.2	423.4	390.1	469.3	463.4	366.3	323.3	364.1
67°	365.9	398.7	387.1	387.6	384.3	359.6	421.9	414.7	334.3	301.1	331.6
68°	330.9	358.7	350.8	351.3	346.1	329.8	374.5	366.3	303.2	279.8	299.9
69°	298.6	321.6	313.5	314.9	310.2	299.5	333.5	326.8	275.2	258.2	273.4
70°	267.2	286.0	279.9	280.8	276.5	271.1	300.7	293.6	249.8	237.2	263.2
71°	239.6	254.4	255.0	249.3	246.3	245.0	289.1	263.3	226.5	216.2	250.1
72°	212.8	225.8	249.9	221.3	218.6	220.4	258.3	234.8	204.5	195.7	224.9
73°	187.8	199.2	223.8	195.6	193.2	196.4	222.7	207.8	182.7	174.5	192.5
74°	166.0	174.9	189.6	173.0	171.1	174.5	190.8	182.6	162.1	154.4	166.4
75°	144.2	150.6	162.5	150.4	149.0	152.6	164.4	158.6	142.3	135.7	143.9
76°	122.5	126.3	135.6	127.7	126.9	130.7	142.2	137.0	123.5	117.7	123.0
77°	104.1	105.7	108.7	107.3	107.9	111.4	122.5	117.0	106.1	100.5	104.5
78°	85.9	85.5	90.7	89.2	91.1	94.0	105.5	98.5	89.8	83.4	87.8
79°	67.7	68.3	74.8	73.2	75.5	77.6	88.7	81.4	74.9	68.4	73.4
80°	52.8	53.1	59.6	59.1	60.5	62.8	72.2	66.2	61.0	55.5	60.1
81°	40.2	40.3	45.1	47.0	49.0	50.9	58.7	54.7	49.8	45.2	48.6
82°	29.9	30.6	34.5	35.2	37.5	39.9	47.4	43.2	38.6	34.8	37.1
83°	21.3	21.5	23.5	24.6	27.1	29.8	36.2	31.7	27.5	24.6	25.7
84°	14.9	15.0	16.5	17.8	19.9	21.9	24.9	23.2	20.4	17.9	17.8
85°	8.6	8.7	9.6	11.0	12.9	14.8	15.8	16.0	13.7	11.7	10.8
86°	2.2	2.4	2.7	4.3	5.9	8.8	8.5	8.6	7.3	6.3	5.6
87°	0.7	0.7	0.7	1.1	1.8	2.8	3.3	3.2	2.8	2.5	2.4
88°	0.3	0.3	0.3	0.3	0.5	0.6	0.8	0.9	0.9	1.0	1.1
89°	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.4	0.4

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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: P1440353

CATALOG NUMBER: XSF200-SFTR-5Hx5V-830-Position 3

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P1440353
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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: P1440353

CATALOG NUMBER: XSF200-SFTR-5Hx5V-830-Position 3

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	26079.1	26079.1	26079.1	26079.1	26079.1	26079.1	26079.1	26079.1	26079.1	26079.1	26079.1
1°	25941.8	25984.8	26003.3	26048.4	26079.1	26116.0	26144.7	26159.0	26154.9	26171.3	26177.5
2°	25708.2	25767.6	25827.0	25907.0	26001.2	26085.3	26159.0	26202.1	26222.6	26208.2	26187.7
3°	25419.2	25478.6	25572.9	25691.8	25839.3	25982.8	26126.3	26185.7	26218.5	26191.8	26128.3
4°	25089.2	25163.0	25273.7	25423.3	25632.3	25837.3	26042.2	26134.5	26179.5	26109.9	25988.9
5°	24751.1	24835.1	24949.9	25120.0	25374.1	25644.6	25902.9	26044.3	26089.4	25978.7	25804.5
6°	24412.9	24499.0	24615.8	24816.7	25089.2	25406.9	25718.4	25902.9	25931.6	25802.4	25570.9
7°	24056.3	24181.3	24310.5	24505.1	24785.9	25128.2	25480.7	25693.8	25720.5	25562.7	25308.5
8°	23714.1	23873.9	24017.4	24214.1	24482.6	24824.9	25191.7	25433.5	25466.3	25286.0	25007.3
9°	23347.2	23537.8	23722.3	23919.0	24169.0	24482.6	24849.5	25097.4	25130.2	24951.9	24675.3
10°	22914.8	23150.5	23367.7	23599.3	23820.6	24093.2	24433.4	24693.7	24736.7	24564.6	24349.4
11°	22425.0	22691.4	22955.8	23228.3	23453.8	23650.5	23943.6	24197.7	24259.2	24121.9	23988.7
12°	21849.1	22136.0	22445.5	22798.0	23033.6	23175.1	23392.3	23625.9	23703.8	23630.0	23599.3
13°	21181.0	21482.2	21849.1	22291.8	22562.3	22615.6	22787.7	22996.8	23078.7	23076.7	23162.8
14°	20435.4	20777.2	21168.7	21699.5	22000.7	22025.3	22109.4	22297.9	22390.1	22472.1	22668.8
15°	19640.8	20033.5	20453.4	21025.2	21377.7	21365.4	21383.9	21521.2	21656.4	21812.2	22107.3
16°	18808.1	19278.7	19693.9	20262.4	20625.6	20607.1	20590.7	20670.6	20842.8	21101.0	21467.9
17°	17954.9	18523.7	18943.0	19434.8	19785.1	19793.3	19717.7	19741.2	19962.8	20301.1	20709.6
18°	17044.0	17733.6	18158.2	18560.3	18860.0	18894.0	18771.2	18748.3	18998.1	19456.1	19861.1
19°	16067.0	16856.0	17322.1	17637.5	17850.2	17906.2	17747.7	17689.9	17978.7	18509.1	18903.2
20°	15005.4	15870.2	16373.4	16640.2	16756.8	16840.9	16660.7	16583.4	16884.5	17468.4	17884.8
21°	13868.6	14759.7	15306.0	15535.2	15594.0	15723.1	15524.1	15452.0	15760.2	16372.2	16780.0
22°	12680.9	13574.1	14143.0	14342.0	14402.4	14542.8	14369.4	14306.7	14626.8	15219.1	15629.4
23°	11503.9	12355.3	12926.2	13081.0	13146.3	13333.2	13201.5	13164.6	13473.2	14041.1	14413.7
24°	10351.3	11141.6	11664.8	11846.8	11924.3	12110.5	12034.7	12017.5	12337.2	12842.4	13183.8
25°	9289.5	9957.8	10463.2	10633.7	10705.2	10947.9	10879.2	10891.3	11217.0	11670.9	11957.5
26°	8303.3	8858.9	9302.2	9489.3	9566.6	9761.7	9741.8	9787.9	10103.5	10503.6	10771.2
27°	7462.0	7923.1	8300.4	8477.9	8530.0	8688.6	8686.3	8755.8	9051.1	9405.9	9637.1
28°	6751.3	7122.2	7410.0	7562.8	7598.1	7697.9	7726.0	7812.3	8059.6	8369.5	8587.2
29°	6192.2	6510.2	6719.3	6813.2	6803.3	6847.4	6900.3	7015.2	7209.7	7448.5	7647.1
30°	5752.6	6027.2	6163.3	6186.0	6135.2	6147.9	6233.0	6364.9	6504.5	6656.4	6820.3
31°	5404.2	5662.6	5750.7	5696.6	5599.1	5597.6	5708.9	5852.6	5948.9	6011.8	6152.8
32°	5129.5	5370.1	5410.1	5296.6	5174.8	5160.1	5294.1	5446.6	5510.3	5512.6	5606.0
33°	4904.5	5133.6	5151.9	4981.4	4824.6	4819.5	4961.5	5124.4	5156.8	5105.2	5170.1
34°	4710.4	4946.1	4925.8	4722.7	4547.3	4540.5	4694.2	4861.5	4876.2	4780.9	4822.1
35°	4543.2	4785.4	4734.2	4501.6	4305.7	4307.5	4466.3	4637.5	4641.2	4514.7	4532.5
36°	4389.7	4640.3	4564.5	4304.8	4098.1	4104.0	4269.2	4448.3	4437.0	4285.2	4293.6
37°	4239.9	4498.5	4402.6	4126.3	3927.3	3935.9	4095.8	4273.7	4249.1	4083.1	4085.4
38°	4083.3	4349.5	4243.4	3964.2	3756.4	3768.1	3941.9	4116.3	4076.1	3899.3	3900.7
39°	3921.0	4195.4	4080.4	3802.3	3585.5	3600.0	3788.0	3960.5	3913.2	3726.1	3727.1
40°	3758.7	4031.7	3902.1	3640.2	3411.7	3429.5	3634.1	3798.4	3741.7	3555.6	3557.2
41°	3596.2	3860.9	3724.0	3463.1	3238.1	3259.0	3466.4	3627.7	3566.6	3386.3	3390.2
42°	3404.9	3689.8	3544.9	3273.0	3063.1	3086.3	3290.8	3449.0	3379.3	3211.1	3218.6
43°	3217.8	3500.2	3341.0	3081.9	2883.6	2912.9	3111.3	3255.5	3180.3	3036.9	3042.6
44°	3033.0	3307.6	3138.9	2881.9	2699.1	2734.8	2931.1	3059.6	2971.1	2854.9	2867.4

REPORT NUMBER: P1440353

CATALOG NUMBER: XSF200-SFTR-5Hx5V-830-Position 3

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	2857.7	3121.1	2937.3	2687.0	2513.6	2543.4	2747.5	2868.0	2758.5	2671.2	2691.7
46°	2686.0	2940.9	2754.4	2505.8	2340.0	2358.3	2569.0	2682.7	2548.7	2481.9	2520.2
47°	2496.8	2737.6	2567.5	2344.1	2179.0	2180.4	2392.3	2513.2	2362.0	2300.9	2355.4
48°	2280.4	2527.4	2345.2	2144.5	2000.7	1989.9	2201.1	2329.6	2168.3	2130.4	2195.8
49°	2084.9	2336.0	2128.5	1917.3	1775.6	1761.3	1992.8	2139.8	1972.0	1952.2	2007.5
50°	1919.6	2206.2	1967.4	1713.6	1535.9	1559.0	1771.8	1942.8	1822.5	1772.8	1827.6
51°	1767.0	2041.2	1849.0	1546.1	1315.2	1383.7	1576.0	1800.1	1673.3	1593.4	1616.1
52°	1644.9	1871.9	1711.1	1362.2	1118.2	1200.0	1427.0	1658.0	1524.0	1414.0	1403.7
53°	1572.5	1775.1	1634.2	1271.7	1005.0	1082.1	1330.3	1515.8	1399.2	1284.0	1279.5
54°	1481.6	1685.6	1553.0	1168.7	887.3	995.5	1260.2	1389.2	1274.8	1179.2	1184.3
55°	1388.2	1568.9	1427.8	1058.1	771.9	917.0	1203.6	1274.0	1157.6	1090.7	1095.2
56°	1256.6	1436.6	1292.7	953.7	676.9	852.4	1143.3	1179.3	1057.5	1022.2	1015.1
57°	1132.0	1298.1	1168.9	854.9	612.4	800.4	1063.8	1077.1	956.0	958.8	937.7
58°	1040.2	1178.8	1058.7	766.3	568.5	752.4	985.8	982.0	852.6	871.3	867.0
59°	941.7	1083.0	956.3	697.7	530.0	686.3	933.6	907.8	795.8	799.3	799.9
60°	838.4	979.1	855.5	646.2	495.7	619.3	854.5	831.6	718.1	753.1	738.2
61°	754.1	871.0	763.0	584.5	463.8	568.6	767.5	751.8	632.0	691.1	679.6
62°	681.5	776.2	679.1	525.8	435.5	529.1	702.6	693.2	569.7	628.1	623.7
63°	612.9	689.1	611.2	478.5	407.2	490.0	652.0	641.6	516.0	568.1	573.3
64°	560.7	615.1	551.4	440.2	382.9	453.4	593.7	589.3	469.8	517.9	525.6
65°	509.7	548.0	500.6	402.0	360.0	416.7	539.5	540.5	433.0	475.4	481.8
66°	462.5	492.7	455.9	371.2	337.3	380.2	490.1	494.3	399.1	435.0	442.0
67°	415.4	437.4	411.1	340.9	314.6	348.7	442.5	449.5	369.2	397.0	404.7
68°	368.5	382.3	366.4	310.5	292.3	320.9	395.2	406.1	340.0	360.2	367.0
69°	327.6	334.9	326.5	281.8	270.9	292.9	355.8	365.2	311.6	324.4	329.1
70°	287.0	294.0	289.8	258.7	249.9	265.8	318.8	326.4	284.0	290.6	293.7
71°	251.6	258.6	256.2	243.0	228.6	240.4	286.2	292.3	257.1	257.8	261.5
72°	219.9	226.8	226.0	231.8	207.7	217.4	256.1	269.4	232.4	229.5	232.8
73°	191.2	196.9	197.7	204.9	186.6	195.6	227.8	247.0	208.8	203.6	206.1
74°	164.2	169.8	170.8	174.2	165.6	174.2	200.9	213.0	186.2	181.1	183.2
75°	140.0	145.5	145.8	149.3	145.7	153.9	175.2	181.5	165.0	158.7	159.3
76°	119.0	123.9	124.2	127.0	127.0	134.6	150.5	156.3	143.8	136.4	135.3
77°	100.4	104.9	104.9	108.1	109.0	116.0	129.1	131.3	122.6	116.6	114.9
78°	83.4	87.8	87.3	91.5	91.3	98.2	109.5	111.5	104.1	98.9	96.0
79°	68.4	72.5	71.6	77.2	75.5	83.0	91.9	94.3	87.5	83.4	79.6
80°	55.1	58.7	57.7	63.4	61.7	68.5	75.6	77.2	71.5	68.0	65.0
81°	45.5	48.7	47.5	51.7	50.6	56.3	61.2	62.4	56.8	54.5	51.9
82°	35.9	38.6	37.4	40.1	39.6	44.1	50.1	50.2	45.1	42.7	39.4
83°	26.4	28.6	27.4	28.5	28.6	32.0	39.0	39.1	34.0	31.7	28.0
84°	21.2	23.2	22.3	20.5	22.7	24.9	27.9	28.4	25.8	23.4	19.2
85°	15.2	16.6	16.1	12.9	16.4	18.5	20.4	18.9	19.3	16.8	12.9
86°	7.8	8.5	8.9	6.9	9.5	11.5	12.7	12.1	12.4	10.3	6.7
87°	2.7	2.8	3.2	3.0	4.0	4.8	5.7	5.3	5.4	3.7	2.0
88°	1.2	1.3	1.3	1.3	1.4	1.7	1.9	1.5	1.6	1.0	0.5
89°	0.4	0.5	0.5	0.6	0.6	0.6	0.6	0.4	0.4	0.3	0.2

REPORT NUMBER: P1440353

CATALOG NUMBER: XSF200-SFTR-5Hx5V-830-Position 3

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1440353

CATALOG NUMBER: XSF200-SFTR-5Hx5V-830-Position 3

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P1440353
CATALOG NUMBER: XSF200-SFTR-5Hx5V-830-Position 3

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1440353

CATALOG NUMBER: XSF200-SFTR-5Hx5V-830-Position 3

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	26079.1	26079.1	26079.1
1°	26146.7	26136.5	26105.8
2°	26128.3	26066.8	26009.4
3°	26021.7	25919.3	25829.1
4°	25831.1	25685.6	25577.0
5°	25589.3	25400.8	25273.7
6°	25316.7	25097.4	24947.8
7°	25017.5	24790.0	24626.1
8°	24712.1	24490.8	24339.1
9°	24425.2	24208.0	24044.0
10°	24128.1	23917.0	23730.5
11°	23814.5	23593.1	23365.7
12°	23482.5	23218.1	22929.1
13°	23076.7	22744.7	22410.6
14°	22597.1	22201.6	21822.4
15°	22023.3	21588.8	21172.8
16°	21375.7	20928.9	20494.4
17°	20664.5	20224.3	19777.3
18°	19868.7	19483.4	19030.7
19°	19009.0	18720.0	18256.8
20°	18081.8	17921.3	17439.3
21°	17071.8	17029.4	16529.1
22°	16000.0	16029.3	15513.8
23°	14813.8	14931.4	14408.4
24°	13585.9	13731.2	13235.7
25°	12355.3	12511.6	12059.1
26°	11128.0	11264.7	10869.6
27°	9957.2	10063.2	9720.9
28°	8856.0	8921.2	8648.2
29°	7866.2	7912.3	7731.5
30°	7017.5	7060.5	6974.4
31°	6330.9	6409.4	6379.5
32°	5788.2	5901.8	5915.3
33°	5359.3	5511.6	5559.1
34°	5020.1	5211.5	5277.1
35°	4742.2	4967.6	5049.2
36°	4519.4	4772.7	4859.8
37°	4327.2	4604.5	4696.5
38°	4148.7	4448.7	4544.8
39°	3975.5	4288.7	4390.5
40°	3804.2	4117.5	4224.9
41°	3630.2	3942.5	4052.4
42°	3444.1	3760.7	3866.3
43°	3265.2	3575.7	3670.3
44°	3085.8	3378.3	3465.2

REPORT NUMBER: P1440353

CATALOG NUMBER: XSF200-SFTR-5Hx5V-830-Position 3

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	2902.4	3174.0	3242.0
46°	2718.6	2965.5	3015.8
47°	2532.1	2762.4	2796.1
48°	2353.0	2560.4	2590.9
49°	2164.0	2346.0	2373.3
50°	1943.6	2127.1	2173.0
51°	1759.4	1890.1	2015.9
52°	1575.7	1722.9	1820.8
53°	1392.0	1557.5	1644.4
54°	1268.2	1392.2	1468.8
55°	1166.8	1290.0	1347.0
56°	1092.8	1189.1	1207.9
57°	1003.3	1071.5	1074.2
58°	916.9	968.6	945.1
59°	839.2	882.3	854.8
60°	767.6	788.5	764.8
61°	705.0	705.7	683.8
62°	641.4	642.5	611.1
63°	580.2	583.2	550.4
64°	527.2	529.4	492.9
65°	480.6	478.8	444.2
66°	434.3	434.0	403.2
67°	389.1	396.2	365.9
68°	349.0	359.5	330.9
69°	311.4	324.4	298.6
70°	279.4	290.5	267.2
71°	250.4	259.6	239.6
72°	229.7	231.5	212.8
73°	219.7	203.8	187.8
74°	195.1	179.6	166.0
75°	163.1	155.4	144.2
76°	135.9	131.2	122.5
77°	117.1	110.3	104.1
78°	98.3	90.7	85.9
79°	79.6	72.7	67.7
80°	63.9	56.7	52.8
81°	48.9	42.6	40.2
82°	36.5	31.3	29.9
83°	26.1	22.8	21.3
84°	18.6	16.2	14.9
85°	11.2	9.6	8.6
86°	3.9	3.0	2.2
87°	1.0	0.8	0.7
88°	0.4	0.4	0.3
89°	0.2	0.2	0.2

REPORT NUMBER: P1440353

CATALOG NUMBER: XSF200-SFTR-5Hx5V-830-Position 3

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1440353

CATALOG NUMBER: XSF200-SFTR-5Hx5V-830-Position 3

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1440353

CATALOG NUMBER: XSF200-SFTR-5Hx5V-830-Position 3

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)