

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: P1440358

Luminaire Tested: XSF200-SFTR-5Hx5V-840-Position 4

Issue Date: 04/15/2026

Test Information

Test Method: LM-79-2024
Report Number: P1440358
Test Lab: THIRD PARTY NVLAP
Issue Date: 7/15/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XSF200-SFTR-5Hx5V-840-Position 4
Description: LUMARK ALL SELECTABLE LUMINAIRE 200W w/ NEMA 5 FLOOD DISTRIBUTION 4000K CCT
80 CRI LIGHT ENGINE AT Position 4
Light Source: (1) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13634.7 lumens
Efficiency: N/A
Efficacy: 168.3 lumens/watt
Luminous Opening: Rectangular (W 0.42' x L: 0.42' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

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

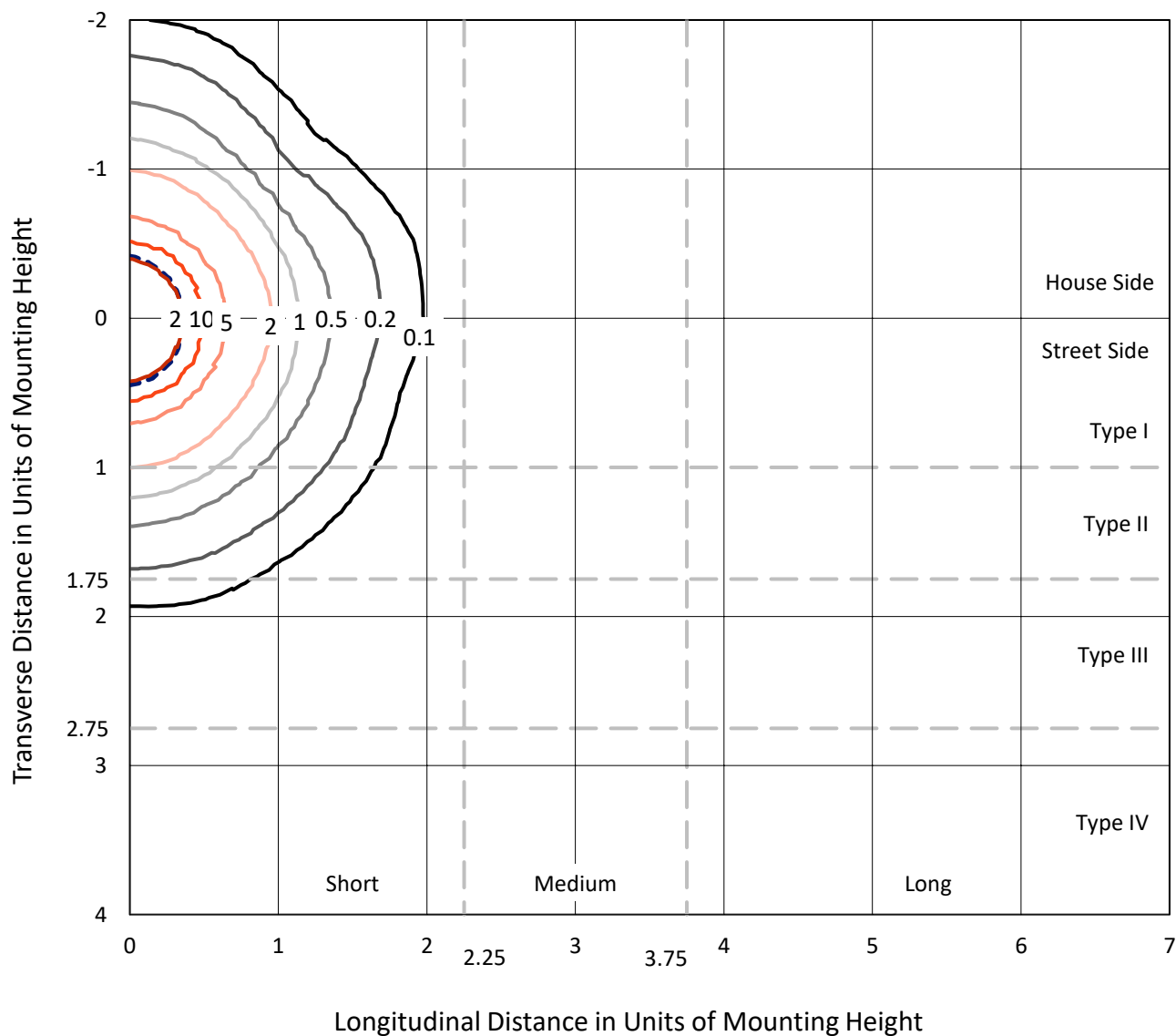
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



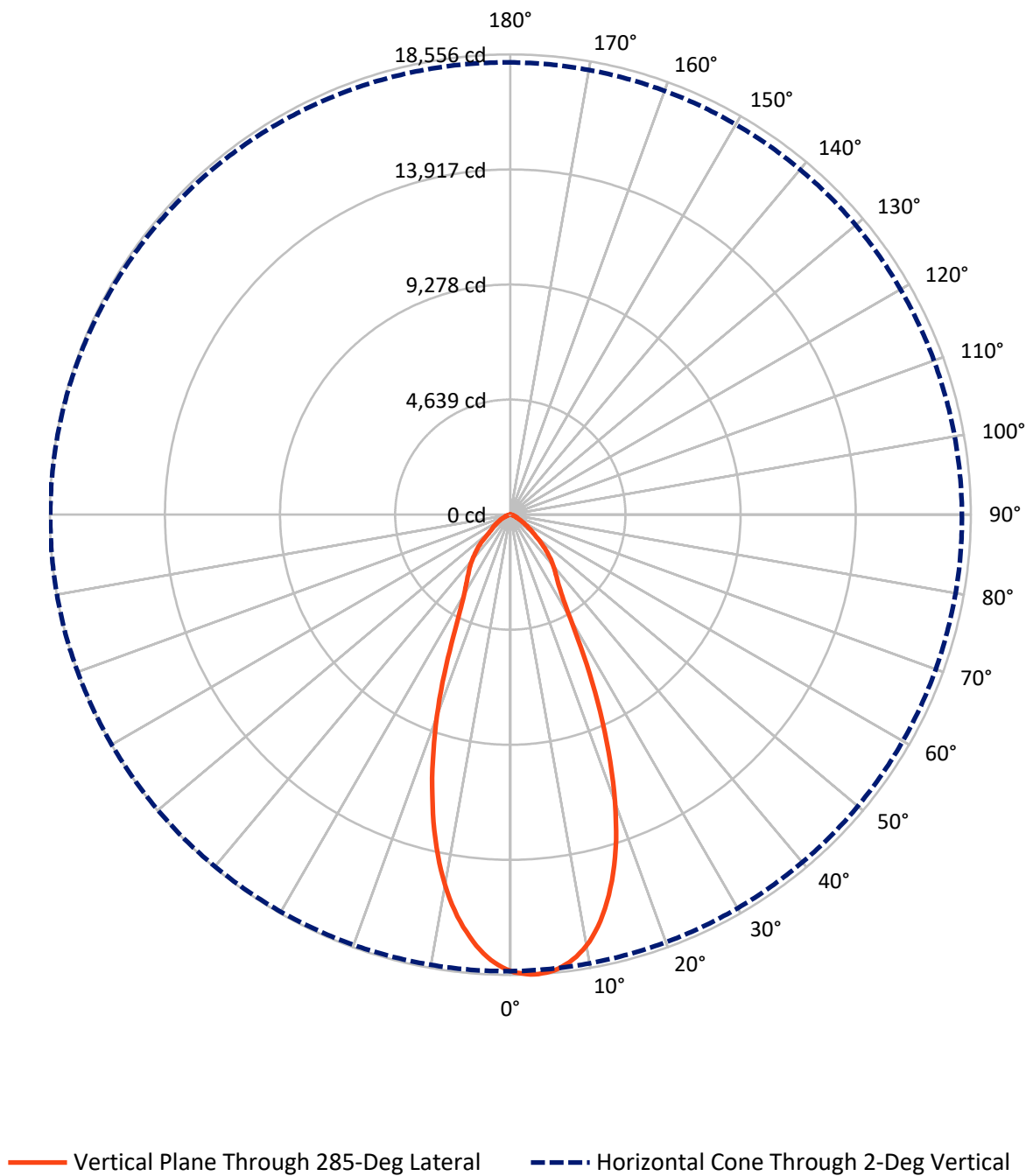
Based on 20 foot mounting height. Maximum calculated value = 46.1 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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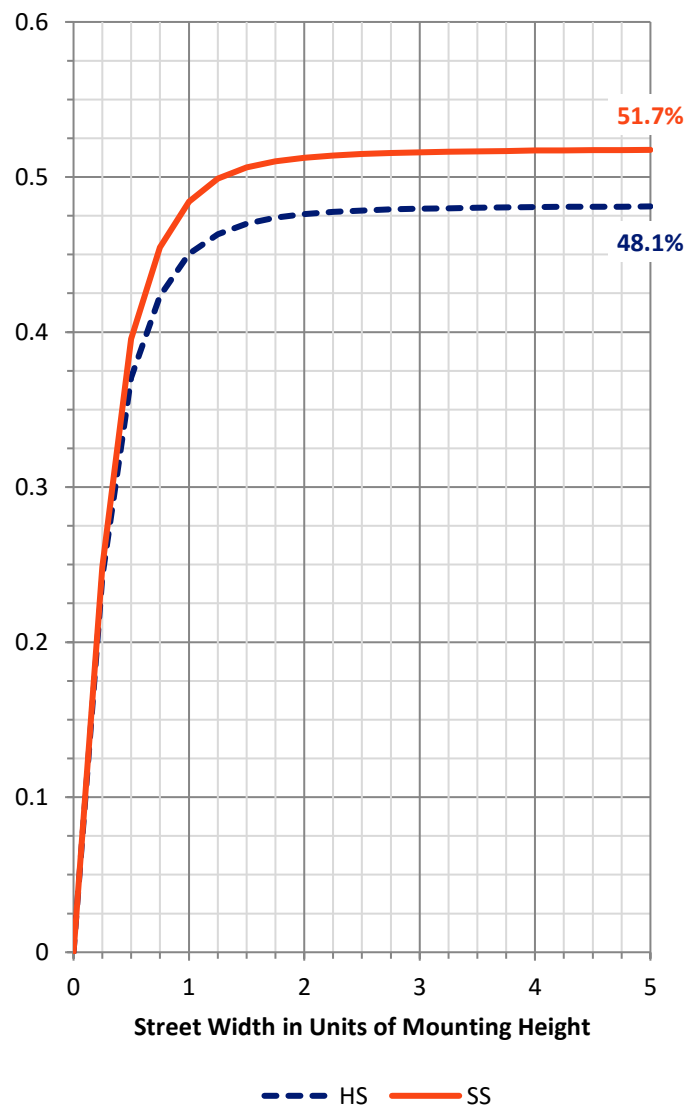
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6624.6	0.0	6624.6
	% Fixture	48.6	0.0	48.6
Street Side	Lumens	7010.1	0.0	7010.1
	% Fixture	51.4	0.0	51.4
Total	Lumens	13634.7	0.0	13634.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1659.3	12.2
10°-20°	3922.1	28.8
20°-30°	3329.3	24.4
30°-40°	2035.9	14.9
40°-50°	1484.6	10.9
50°-60°	737.2	5.4
60°-70°	331.9	2.4
70°-80°	119.3	0.9
80°-90°	15.1	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°	13634.7	100.0
0°-180°	13634.7	100.0

Coefficient of Utilization



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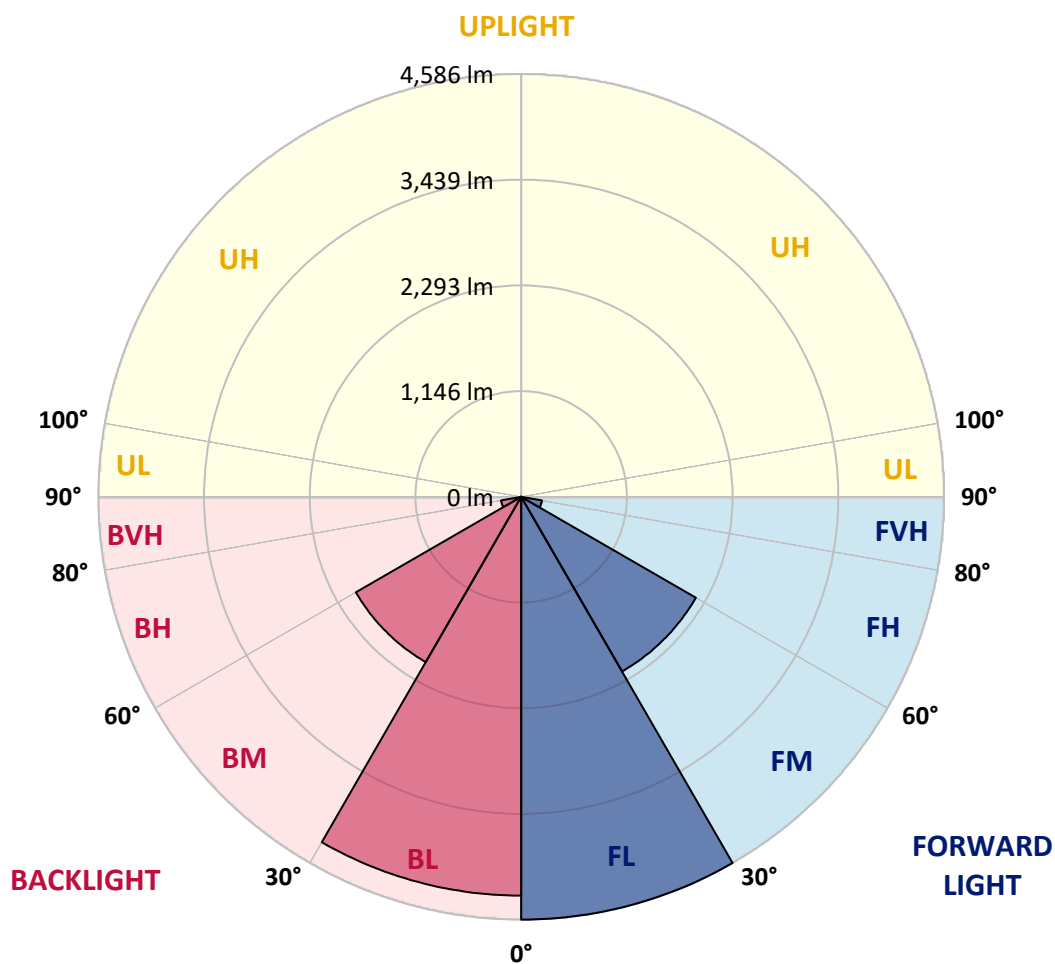
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4585.8	33.6			
FM	(30°-60°)	2188.0	16.0			
FH	(60°-80°)	229.2	1.7			G0/660
FVH	(80°-90°)	7.2	0.1			G0/10
BL	(0°-30°)	4324.8	31.7	B4/5000		
BM	(30°-60°)	2069.8	15.2	B2/2500		
BH	(60°-80°)	222.0	1.6	B1/500		G0/660
BVH	(80°-90°)	7.9	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	18454.8	18454.8	18454.8	18454.8	18454.8	18454.8	18454.8	18454.8	18454.8	18454.8	18454.8
1°	18473.6	18446.1	18421.4	18401.1	18380.8	18364.9	18347.5	18328.6	18327.2	18331.5	18343.1
2°	18405.5	18354.7	18319.9	18292.4	18264.8	18230.0	18201.0	18172.0	18161.8	18166.2	18167.6
3°	18277.9	18217.0	18164.7	18124.1	18083.5	18042.9	17999.4	17970.4	17951.5	17950.1	17958.8
4°	18099.5	18015.4	17953.0	17912.4	17860.2	17818.1	17758.7	17722.4	17706.5	17707.9	17719.5
5°	17884.8	17803.6	17726.8	17660.0	17597.7	17548.4	17478.8	17433.8	17417.8	17432.3	17461.4
6°	17654.2	17562.9	17475.9	17385.9	17296.0	17226.4	17146.6	17094.4	17090.1	17129.2	17194.5
7°	17426.5	17322.1	17210.5	17084.3	16958.1	16868.2	16789.9	16736.2	16737.7	16801.5	16910.2
8°	17223.5	17093.0	16940.7	16766.7	16597.0	16478.1	16376.5	16334.5	16360.6	16460.7	16624.5
9°	17014.7	16862.4	16660.8	16425.9	16202.5	16047.3	15927.0	15893.6	15938.6	16085.0	16312.7
10°	16792.8	16611.5	16359.1	16069.1	15790.6	15591.9	15433.9	15412.1	15489.0	15684.8	15958.9
11°	16534.6	16334.5	16029.9	15687.7	15346.8	15088.7	14913.2	14891.5	15008.9	15245.3	15576.0
12°	16225.7	15996.6	15674.6	15268.5	14884.2	14568.0	14346.4	14338.6	14486.3	14772.5	15133.7
13°	15858.8	15613.7	15256.9	14811.7	14377.0	13998.1	13739.4	13740.5	13929.2	14252.8	14639.1
14°	15442.6	15161.2	14774.0	14317.2	13824.5	13395.9	13104.6	13110.5	13337.5	13688.0	14092.5
15°	14982.8	14681.2	14225.5	13770.4	13249.6	12764.5	12434.1	12455.4	12699.1	13079.8	13490.6
16°	14502.8	14135.4	13653.2	13183.3	12623.4	12104.9	11751.6	11765.8	12028.3	12440.8	12847.0
17°	13995.3	13568.8	13046.4	12552.0	11959.0	11414.1	11060.6	11078.8	11339.4	11752.2	12173.2
18°	13467.0	12992.0	12419.3	11887.2	11275.5	10725.1	10375.1	10372.2	10631.0	11043.3	11474.3
19°	12919.4	12391.6	11761.8	11182.8	10570.6	10023.0	9690.0	9683.5	9916.0	10290.7	10744.0
20°	12340.9	11751.5	11075.9	10468.3	9866.5	9339.1	9009.6	8997.5	9198.7	9523.5	9973.4
21°	11696.8	11052.3	10348.3	9744.0	9150.0	8651.5	8324.5	8305.7	8475.6	8750.0	9167.5
22°	10978.3	10330.3	9606.5	9009.7	8444.1	7959.3	7653.1	7623.4	7776.1	7986.8	8360.7
23°	10196.0	9545.3	8845.5	8263.7	7729.4	7276.0	6989.5	6946.0	7069.1	7241.8	7565.1
24°	9366.2	8743.0	8087.5	7531.9	7036.5	6621.1	6355.7	6307.0	6391.5	6520.9	6818.2
25°	8533.6	7964.6	7355.4	6835.2	6374.7	6013.6	5788.4	5714.2	5760.8	5859.6	6126.4
26°	7691.8	7189.3	6642.0	6165.9	5760.8	5467.3	5283.7	5201.4	5195.8	5272.6	5498.2
27°	6879.0	6460.8	5981.5	5553.0	5220.9	5002.4	4857.3	4768.8	4723.7	4762.6	4967.2
28°	6119.9	5784.9	5387.6	5017.8	4747.5	4600.4	4495.7	4399.7	4329.2	4344.6	4513.4
29°	5471.2	5208.2	4878.6	4563.6	4357.7	4261.5	4192.5	4096.3	4003.9	3997.5	4147.5
30°	4935.4	4720.4	4452.8	4181.2	4023.4	3979.0	3940.3	3841.1	3741.4	3716.5	3846.4
31°	4514.4	4340.4	4098.2	3861.4	3745.6	3744.6	3727.2	3632.9	3521.9	3485.2	3608.3
32°	4185.9	4033.7	3805.4	3602.8	3517.7	3546.7	3550.0	3450.1	3339.7	3293.6	3409.8
33°	3933.9	3793.5	3569.1	3382.6	3324.5	3377.6	3393.5	3293.6	3183.4	3126.8	3241.4
34°	3734.3	3603.1	3374.7	3195.7	3153.2	3228.9	3258.8	3155.4	3042.7	2985.1	3100.4
35°	3573.1	3443.4	3211.1	3031.5	3002.1	3091.1	3130.1	3025.7	2912.3	2853.3	2973.8
36°	3439.0	3307.4	3069.8	2882.7	2867.1	2966.3	3007.9	2905.3	2791.9	2733.6	2855.5
37°	3323.5	3184.7	2943.5	2752.8	2743.6	2846.5	2890.8	2794.3	2671.6	2613.8	2744.8
38°	3216.1	3066.8	2827.6	2634.4	2628.3	2729.4	2779.6	2683.0	2551.2	2494.0	2634.1
39°	3106.9	2949.6	2715.1	2519.1	2512.8	2611.1	2668.4	2571.6	2429.7	2370.5	2523.3
40°	2989.7	2832.2	2597.0	2400.8	2397.6	2486.1	2557.0	2452.0	2311.9	2249.8	2404.0
41°	2867.6	2711.3	2472.3	2281.4	2279.1	2359.7	2429.5	2334.7	2187.3	2131.2	2281.4
42°	2736.0	2583.1	2343.8	2161.2	2157.7	2224.9	2295.8	2207.8	2062.0	2011.1	2157.7
43°	2597.3	2447.3	2217.6	2037.2	2035.2	2085.8	2163.7	2086.7	1934.4	1887.5	2033.9
44°	2452.1	2306.1	2088.0	1917.1	1912.3	1951.2	2032.7	1965.6	1806.3	1766.4	1918.1

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CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	2294.2	2163.4	1959.8	1797.8	1795.9	1825.2	1908.0	1848.4	1685.7	1651.4	1805.0
46°	2134.1	2023.4	1831.7	1681.9	1681.5	1701.3	1773.0	1719.7	1563.3	1552.2	1699.0
47°	1978.6	1884.6	1706.7	1567.8	1553.7	1565.7	1629.1	1567.2	1411.5	1440.4	1582.0
48°	1833.4	1751.4	1574.9	1438.8	1420.6	1438.8	1493.5	1413.9	1259.3	1303.5	1438.3
49°	1679.4	1603.3	1419.7	1300.5	1300.5	1313.6	1366.5	1265.1	1124.4	1166.9	1279.1
50°	1537.7	1448.9	1289.2	1164.6	1180.6	1207.3	1255.2	1135.8	983.0	995.8	1137.0
51°	1426.5	1281.9	1159.5	1028.7	1060.6	1101.4	1165.3	1044.4	874.6	860.6	1000.0
52°	1288.5	1166.3	1029.8	935.0	968.9	1017.1	1085.3	975.8	797.8	750.7	902.8
53°	1163.7	1050.8	927.6	864.3	881.7	926.6	1012.2	919.8	730.9	664.0	842.1
54°	1039.4	972.1	856.2	816.7	801.5	835.9	929.4	875.2	674.7	580.2	776.4
55°	953.2	871.1	781.7	763.9	738.9	758.9	856.1	820.8	623.0	508.0	703.0
56°	854.8	785.4	718.9	701.3	696.0	700.2	793.6	769.0	574.3	450.4	627.8
57°	760.1	717.1	657.0	646.9	657.2	646.0	730.1	714.1	535.7	411.5	564.8
58°	668.8	651.2	601.7	595.3	603.9	584.3	667.9	674.0	497.6	383.1	509.0
59°	604.9	601.0	554.1	544.3	562.0	532.2	612.4	615.4	450.7	357.5	463.1
60°	541.2	565.6	510.9	497.6	516.9	467.6	565.7	556.7	414.3	334.4	424.0
61°	483.9	516.5	463.7	456.9	468.9	415.4	515.8	517.5	391.5	315.3	387.4
62°	432.4	462.3	420.5	418.5	426.5	384.7	471.3	480.5	362.6	296.1	356.3
63°	389.5	414.8	384.2	383.8	390.7	358.3	437.1	443.3	334.9	277.0	329.9
64°	348.8	379.7	352.8	353.4	359.2	328.0	401.1	400.7	308.6	260.4	305.2
65°	314.3	343.5	326.1	325.8	328.5	300.6	365.7	362.4	282.3	244.7	280.5
66°	285.4	311.2	299.4	299.5	299.6	276.1	332.1	327.9	259.2	228.8	257.7
67°	258.9	282.1	273.9	274.3	272.0	254.5	298.6	293.5	236.6	213.1	234.7
68°	234.2	253.8	248.2	248.6	244.9	233.4	265.0	259.2	214.6	198.0	212.2
69°	211.3	227.5	221.8	222.8	219.5	212.0	236.0	231.3	194.7	182.7	193.5
70°	189.1	202.4	198.1	198.7	195.7	191.8	212.8	207.8	176.7	167.8	186.3
71°	169.5	180.0	180.4	176.4	174.3	173.4	204.6	186.3	160.3	153.0	177.0
72°	150.6	159.8	176.8	156.6	154.7	155.9	182.8	166.2	144.7	138.5	159.2
73°	132.9	141.0	158.4	138.4	136.7	139.0	157.6	147.0	129.3	123.5	136.2
74°	117.5	123.8	134.1	122.4	121.0	123.5	135.0	129.2	114.7	109.3	117.8
75°	102.1	106.6	115.0	106.4	105.4	108.0	116.3	112.3	100.7	96.0	101.8
76°	86.7	89.4	96.0	90.4	89.8	92.5	100.6	96.9	87.4	83.3	87.0
77°	73.7	74.8	76.9	75.9	76.4	78.8	86.7	82.8	75.0	71.1	73.9
78°	60.8	60.5	64.2	63.1	64.5	66.5	74.6	69.7	63.6	59.0	62.1
79°	47.9	48.4	53.0	51.8	53.5	54.9	62.8	57.6	53.0	48.4	52.0
80°	37.3	37.6	42.2	41.8	42.8	44.4	51.1	46.9	43.1	39.3	42.5
81°	28.4	28.5	31.9	33.3	34.7	36.0	41.6	38.7	35.2	32.0	34.4
82°	21.1	21.7	24.4	24.9	26.6	28.2	33.6	30.6	27.3	24.7	26.3
83°	15.1	15.2	16.6	17.4	19.2	21.1	25.6	22.5	19.5	17.4	18.2
84°	10.6	10.6	11.7	12.6	14.1	15.5	17.6	16.4	14.4	12.7	12.6
85°	6.1	6.2	6.8	7.8	9.1	10.5	11.2	11.3	9.7	8.3	7.6
86°	1.6	1.7	1.9	3.1	4.2	6.2	6.0	6.1	5.1	4.4	3.9
87°	0.5	0.5	0.5	0.7	1.3	2.0	2.3	2.3	2.0	1.8	1.7
88°	0.2	0.2	0.2	0.2	0.3	0.4	0.6	0.6	0.7	0.7	0.8
89°	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.3

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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: P1440358

CATALOG NUMBER: XSF200-SFTR-5Hx5V-840-Position 4

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P1440358
CATALOG NUMBER: XSF200-SFTR-5Hx5V-840-Position 4

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1440358

CATALOG NUMBER: XSF200-SFTR-5Hx5V-840-Position 4

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	18454.8	18454.8	18454.8	18454.8	18454.8	18454.8	18454.8	18454.8	18454.8	18454.8	18454.8
1°	18357.6	18388.1	18401.1	18433.0	18454.8	18480.9	18501.2	18511.4	18508.5	18520.1	18524.4
2°	18192.3	18234.4	18276.4	18333.0	18399.7	18459.1	18511.4	18541.8	18556.3	18546.2	18531.7
3°	17987.8	18029.9	18096.6	18180.7	18285.1	18386.6	18488.2	18530.2	18553.4	18534.6	18489.6
4°	17754.3	17806.5	17884.8	17990.7	18138.6	18283.7	18428.7	18494.0	18525.9	18476.6	18391.0
5°	17515.0	17574.5	17655.7	17776.1	17955.9	18147.3	18330.1	18430.1	18462.0	18383.7	18260.5
6°	17275.7	17336.6	17419.3	17561.4	17754.3	17979.1	18199.5	18330.1	18350.4	18259.0	18095.1
7°	17023.4	17111.8	17203.2	17341.0	17539.7	17781.9	18031.3	18182.1	18201.0	18089.3	17909.5
8°	16781.2	16894.3	16995.8	17135.0	17325.0	17567.2	17826.8	17998.0	18021.2	17893.5	17696.3
9°	16521.6	16656.5	16787.0	16926.2	17103.1	17325.0	17584.6	17760.1	17783.3	17657.1	17461.4
10°	16215.6	16382.3	16536.1	16700.0	16856.6	17049.5	17290.2	17474.4	17504.9	17383.0	17230.8
11°	15868.9	16057.5	16244.6	16437.5	16597.0	16736.2	16943.6	17123.4	17166.9	17069.8	16975.5
12°	15461.4	15664.5	15883.5	16132.9	16299.7	16399.8	16553.5	16718.8	16773.9	16721.7	16700.0
13°	14988.6	15201.8	15461.4	15774.7	15966.1	16003.8	16125.6	16273.6	16331.6	16330.1	16391.0
14°	14461.0	14702.9	14979.9	15355.6	15568.7	15586.1	15645.6	15779.0	15844.3	15902.3	16041.5
15°	13898.7	14176.6	14473.8	14878.4	15127.9	15119.2	15132.2	15229.4	15325.1	15435.3	15644.2
16°	13309.5	13642.5	13936.3	14338.6	14595.6	14582.6	14570.9	14627.5	14749.3	14932.1	15191.7
17°	12705.7	13108.2	13404.9	13753.0	14000.8	14006.6	13953.1	13969.8	14126.6	14366.0	14655.1
18°	12061.1	12549.1	12849.6	13134.2	13346.2	13370.3	13283.4	13267.1	13443.9	13768.1	14054.7
19°	11369.7	11928.1	12257.9	12481.1	12631.6	12671.2	12559.1	12518.2	12722.6	13097.9	13376.8
20°	10618.5	11230.5	11586.6	11775.4	11857.9	11917.4	11789.9	11735.2	11948.3	12361.5	12656.1
21°	9814.0	10444.6	10831.3	10993.4	11035.0	11126.4	10985.6	10934.5	11152.6	11585.7	11874.3
22°	8973.6	9605.6	10008.2	10149.1	10191.8	10291.2	10168.5	10124.1	10350.6	10769.8	11060.1
23°	8140.7	8743.1	9147.2	9256.7	9303.0	9435.2	9342.0	9315.9	9534.3	9936.1	10199.8
24°	7325.1	7884.3	8254.6	8383.3	8438.2	8570.0	8516.3	8504.1	8730.4	9087.9	9329.5
25°	6573.7	7046.6	7404.3	7524.9	7575.5	7747.2	7698.7	7707.2	7937.7	8258.9	8461.7
26°	5875.8	6269.0	6582.7	6715.1	6769.8	6907.8	6893.8	6926.4	7149.7	7432.8	7622.2
27°	5280.5	5606.8	5873.8	5999.4	6036.2	6148.5	6146.9	6196.0	6405.0	6656.1	6819.6
28°	4777.5	5040.0	5243.6	5351.8	5376.8	5447.4	5467.3	5528.3	5703.4	5922.6	6076.7
29°	4381.9	4607.0	4754.9	4821.3	4814.3	4845.5	4882.9	4964.3	5101.9	5270.9	5411.4
30°	4070.8	4265.1	4361.4	4377.5	4341.6	4350.5	4410.7	4504.1	4602.9	4710.4	4826.4
31°	3824.2	4007.1	4069.5	4031.2	3962.2	3961.1	4039.9	4141.6	4209.7	4254.2	4354.0
32°	3629.9	3800.2	3828.4	3748.1	3662.0	3651.5	3746.4	3854.3	3899.4	3901.0	3967.1
33°	3470.7	3632.8	3645.7	3525.0	3414.1	3410.5	3511.0	3626.3	3649.2	3612.6	3658.6
34°	3333.3	3500.1	3485.7	3342.0	3217.9	3213.1	3321.9	3440.2	3450.6	3383.2	3412.4
35°	3215.0	3386.4	3350.1	3185.5	3046.9	3048.2	3160.6	3281.7	3284.3	3194.8	3207.4
36°	3106.4	3283.7	3230.1	3046.3	2900.0	2904.2	3021.1	3147.8	3139.9	3032.4	3038.3
37°	3000.3	3183.4	3115.5	2920.0	2779.2	2785.3	2898.4	3024.3	3006.9	2889.4	2891.0
38°	2889.5	3077.9	3002.8	2805.3	2658.2	2666.5	2789.5	2912.9	2884.5	2759.3	2760.3
39°	2774.7	2968.9	2887.5	2690.7	2537.3	2547.6	2680.6	2802.7	2769.2	2636.8	2637.5
40°	2659.8	2853.0	2761.3	2576.0	2414.3	2426.9	2571.6	2687.9	2647.8	2516.1	2517.2
41°	2544.8	2732.2	2635.3	2450.7	2291.4	2306.2	2453.0	2567.1	2523.9	2396.3	2399.1
42°	2409.5	2611.1	2508.5	2316.1	2167.6	2184.0	2328.7	2440.7	2391.4	2272.3	2277.7
43°	2277.1	2476.9	2364.2	2180.9	2040.5	2061.3	2201.7	2303.8	2250.5	2149.0	2153.1
44°	2146.3	2340.6	2221.2	2039.4	1910.0	1935.3	2074.2	2165.1	2102.5	2020.2	2029.1

REPORT NUMBER: P1440358

CATALOG NUMBER: XSF200-SFTR-5Hx5V-840-Position 4

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	2022.3	2208.6	2078.5	1901.5	1778.8	1799.8	1944.2	2029.5	1952.1	1890.3	1904.8
46°	1900.7	2081.1	1949.2	1773.3	1655.9	1668.8	1817.9	1898.4	1803.6	1756.3	1783.4
47°	1766.9	1937.3	1816.9	1658.8	1541.9	1543.0	1692.9	1778.5	1671.4	1628.2	1666.8
48°	1613.7	1788.5	1659.6	1517.6	1415.8	1408.1	1557.6	1648.5	1534.4	1507.6	1553.8
49°	1475.4	1653.0	1506.3	1356.8	1256.5	1246.4	1410.2	1514.2	1395.4	1381.4	1420.6
50°	1358.4	1561.2	1392.2	1212.7	1086.9	1103.2	1253.8	1374.8	1289.7	1254.5	1293.3
51°	1250.4	1444.4	1308.4	1094.1	930.7	979.2	1115.2	1273.8	1184.1	1127.6	1143.6
52°	1164.0	1324.6	1210.8	963.9	791.3	849.2	1009.8	1173.2	1078.5	1000.6	993.4
53°	1112.8	1256.1	1156.4	899.9	711.2	765.7	941.4	1072.7	990.1	908.6	905.4
54°	1048.4	1192.8	1099.0	827.0	627.9	704.4	891.8	983.1	902.1	834.4	838.1
55°	982.4	1110.2	1010.4	748.8	546.2	648.9	851.7	901.5	819.2	771.8	775.0
56°	889.3	1016.6	914.8	674.9	479.0	603.2	809.1	834.6	748.3	723.4	718.3
57°	801.0	918.6	827.2	604.9	433.4	566.4	752.8	762.2	676.5	678.5	663.5
58°	736.1	834.2	749.2	542.3	402.3	532.4	697.6	694.9	603.4	616.5	613.6
59°	666.4	766.4	676.7	493.7	375.0	485.7	660.6	642.4	563.1	565.6	566.1
60°	593.3	692.8	605.4	457.3	350.8	438.2	604.7	588.5	508.2	533.0	522.4
61°	533.6	616.4	540.0	413.6	328.2	402.4	543.1	532.0	447.2	489.1	480.9
62°	482.3	549.3	480.6	372.1	308.2	374.4	497.2	490.5	403.2	444.4	441.4
63°	433.7	487.7	432.5	338.6	288.2	346.8	461.4	454.0	365.2	402.0	405.7
64°	396.8	435.3	390.2	311.5	271.0	320.8	420.1	417.0	332.5	366.5	372.0
65°	360.7	387.8	354.2	284.5	254.8	294.9	381.7	382.5	306.4	336.5	340.9
66°	327.3	348.7	322.6	262.7	238.7	269.0	346.8	349.8	282.5	307.8	312.8
67°	294.0	309.5	290.9	241.2	222.6	246.8	313.2	318.1	261.2	280.9	286.4
68°	260.7	270.5	259.3	219.7	206.8	227.1	279.7	287.4	240.6	254.9	259.7
69°	231.9	237.0	231.1	199.4	191.7	207.2	251.8	258.4	220.5	229.6	232.9
70°	203.1	208.0	205.1	183.1	176.8	188.1	225.6	231.0	201.0	205.6	207.9
71°	178.1	183.0	181.3	171.9	161.8	170.1	202.5	206.8	182.0	182.4	185.1
72°	155.6	160.5	159.9	164.0	147.0	153.8	181.2	190.6	164.5	162.4	164.7
73°	135.3	139.4	139.9	145.0	132.0	138.4	161.2	174.8	147.7	144.1	145.8
74°	116.2	120.1	120.9	123.2	117.2	123.3	142.2	150.7	131.8	128.2	129.6
75°	99.1	103.0	103.2	105.7	103.1	108.9	124.0	128.4	116.8	112.3	112.7
76°	84.2	87.7	87.9	89.9	89.9	95.3	106.5	110.6	101.8	96.5	95.7
77°	71.0	74.2	74.2	76.5	77.1	82.1	91.4	92.9	86.8	82.5	81.3
78°	59.0	62.2	61.7	64.7	64.6	69.5	77.5	78.9	73.7	70.0	67.9
79°	48.4	51.3	50.6	54.6	53.5	58.7	65.1	66.7	61.9	59.0	56.3
80°	39.0	41.5	40.8	44.9	43.7	48.5	53.5	54.6	50.6	48.2	46.0
81°	32.2	34.4	33.6	36.6	35.8	39.8	43.3	44.2	40.2	38.5	36.8
82°	25.4	27.3	26.5	28.4	28.0	31.2	35.4	35.6	31.9	30.2	27.9
83°	18.7	20.3	19.4	20.1	20.2	22.6	27.6	27.7	24.0	22.4	19.8
84°	15.0	16.4	15.8	14.5	16.1	17.6	19.7	20.1	18.3	16.6	13.6
85°	10.8	11.7	11.4	9.1	11.6	13.1	14.4	13.4	13.7	11.9	9.1
86°	5.5	6.0	6.3	4.9	6.7	8.2	9.0	8.5	8.8	7.3	4.7
87°	1.9	2.0	2.3	2.1	2.8	3.4	4.0	3.7	3.8	2.6	1.4
88°	0.9	0.9	0.9	0.9	1.0	1.2	1.3	1.1	1.1	0.7	0.4
89°	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.2	0.1

REPORT NUMBER: P1440358

CATALOG NUMBER: XSF200-SFTR-5Hx5V-840-Position 4

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1440358

CATALOG NUMBER: XSF200-SFTR-5Hx5V-840-Position 4

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P1440358
CATALOG NUMBER: XSF200-SFTR-5Hx5V-840-Position 4

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1440358

CATALOG NUMBER: XSF200-SFTR-5Hx5V-840-Position 4

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	18454.8	18454.8	18454.8
1°	18502.7	18495.4	18473.6
2°	18489.6	18446.1	18405.5
3°	18414.2	18341.7	18277.9
4°	18279.3	18176.3	18099.5
5°	18108.2	17974.8	17884.8
6°	17915.3	17760.1	17654.2
7°	17703.6	17542.6	17426.5
8°	17487.5	17330.8	17223.5
9°	17284.4	17130.7	17014.7
10°	17074.1	16924.8	16792.8
11°	16852.2	16695.6	16534.6
12°	16617.3	16430.2	16225.7
13°	16330.1	16095.2	15858.8
14°	15990.8	15710.9	15442.6
15°	15584.7	15277.2	14982.8
16°	15126.4	14810.2	14502.8
17°	14623.2	14311.6	13995.3
18°	14060.0	13787.4	13467.0
19°	13451.6	13247.1	12919.4
20°	12795.5	12682.0	12340.9
21°	12080.8	12050.8	11696.8
22°	11322.3	11343.1	10978.3
23°	10482.9	10566.2	10196.0
24°	9614.0	9716.9	9366.2
25°	8743.1	8853.8	8533.6
26°	7874.7	7971.5	7691.8
27°	7046.2	7121.2	6879.0
28°	6266.9	6313.1	6119.9
29°	5566.5	5599.1	5471.2
30°	4965.9	4996.4	4935.4
31°	4480.1	4535.6	4514.4
32°	4096.0	4176.4	4185.9
33°	3792.5	3900.2	3933.9
34°	3552.5	3687.9	3734.3
35°	3355.8	3515.3	3573.1
36°	3198.2	3377.4	3439.0
37°	3062.1	3258.3	3323.5
38°	2935.8	3148.1	3216.1
39°	2813.3	3034.9	3106.9
40°	2692.0	2913.8	2989.7
41°	2568.9	2789.9	2867.6
42°	2437.2	2661.3	2736.0
43°	2310.6	2530.3	2597.3
44°	2183.7	2390.6	2452.1

REPORT NUMBER: P1440358

CATALOG NUMBER: XSF200-SFTR-5Hx5V-840-Position 4

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	2053.9	2246.0	2294.2
46°	1923.8	2098.6	2134.1
47°	1791.8	1954.8	1978.6
48°	1665.1	1811.8	1833.4
49°	1531.3	1660.1	1679.4
50°	1375.4	1505.2	1537.7
51°	1245.1	1337.5	1426.5
52°	1115.1	1219.2	1288.5
53°	985.0	1102.2	1163.7
54°	897.4	985.2	1039.4
55°	825.7	912.9	953.2
56°	773.3	841.5	854.8
57°	710.0	758.2	760.1
58°	648.9	685.4	668.8
59°	593.9	624.4	604.9
60°	543.2	558.0	541.2
61°	498.9	499.4	483.9
62°	453.9	454.6	432.4
63°	410.6	412.7	389.5
64°	373.1	374.6	348.8
65°	340.1	338.8	314.3
66°	307.3	307.1	285.4
67°	275.4	280.4	258.9
68°	247.0	254.4	234.2
69°	220.3	229.6	211.3
70°	197.7	205.6	189.1
71°	177.2	183.7	169.5
72°	162.5	163.8	150.6
73°	155.5	144.2	132.9
74°	138.1	127.1	117.5
75°	115.4	110.0	102.1
76°	96.2	92.9	86.7
77°	82.9	78.1	73.7
78°	69.6	64.2	60.8
79°	56.3	51.5	47.9
80°	45.2	40.1	37.3
81°	34.6	30.2	28.4
82°	25.9	22.1	21.1
83°	18.4	16.1	15.1
84°	13.2	11.5	10.6
85°	8.0	6.8	6.1
86°	2.7	2.1	1.6
87°	0.7	0.5	0.5
88°	0.3	0.2	0.2
89°	0.1	0.1	0.1

REPORT NUMBER: P1440358

CATALOG NUMBER: XSF200-SFTR-5Hx5V-840-Position 4

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1440358

CATALOG NUMBER: XSF200-SFTR-5Hx5V-840-Position 4

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1440358

CATALOG NUMBER: XSF200-SFTR-5Hx5V-840-Position 4

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)