

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: P1440354

Luminaire Tested: XSF200-SFTR-5Hx5V-830-Position 4

Issue Date: 04/15/2026

Test Information

Test Method: LM-79-2024
Report Number: P1440354
Test Lab: THIRD PARTY NVLAP
Issue Date: 7/15/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XSF200-SFTR-5Hx5V-830-Position 4
Description: LUMARK ALL SELECTABLE LUMINAIRE 200W w/ NEMA 5 FLOOD DISTRIBUTION 3000K CCT
80 CRI LIGHT ENGINE AT Position 4
Light Source: (1) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13122.9 lumens
Efficiency: N/A
Efficacy: 162.0 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

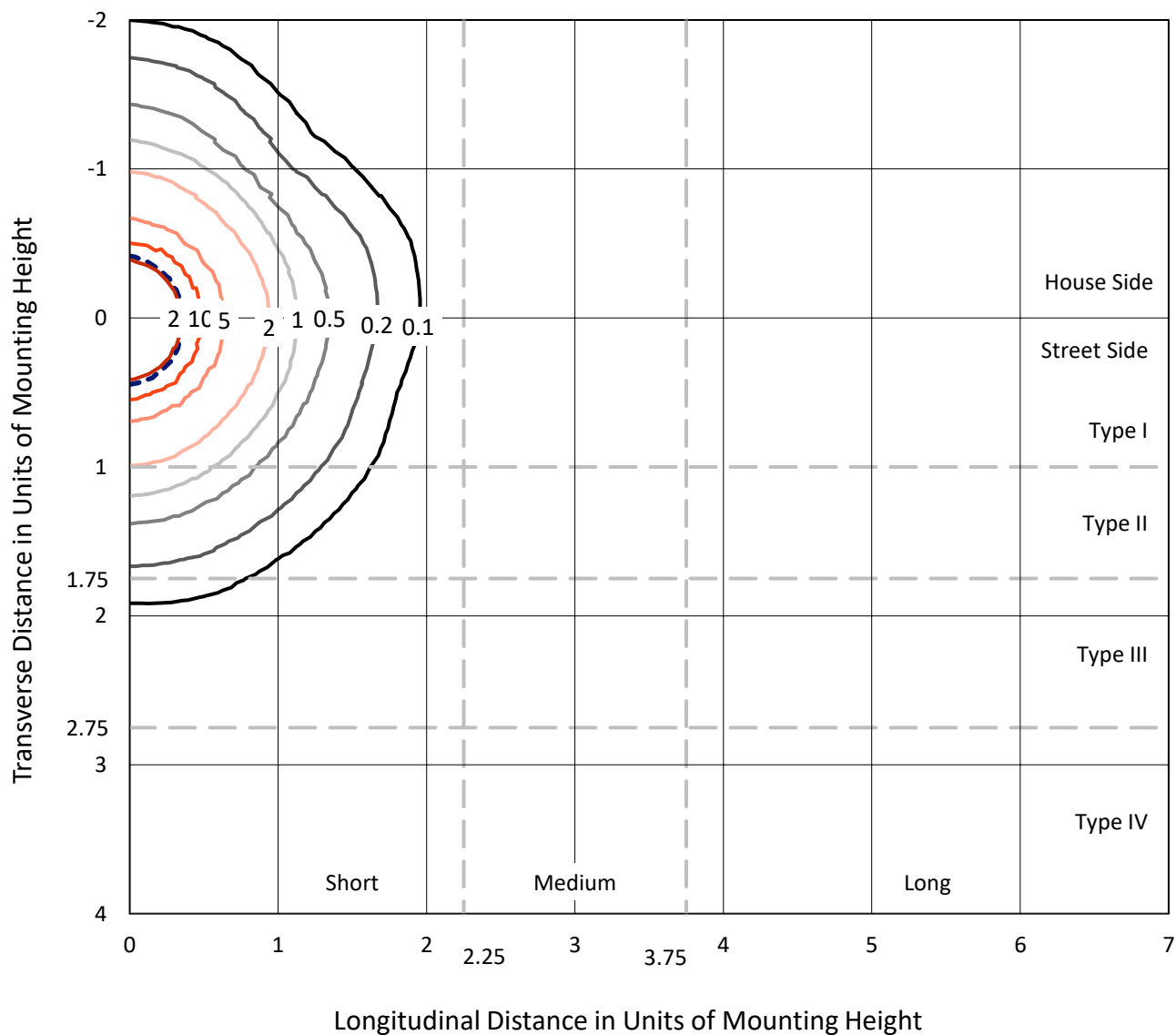
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



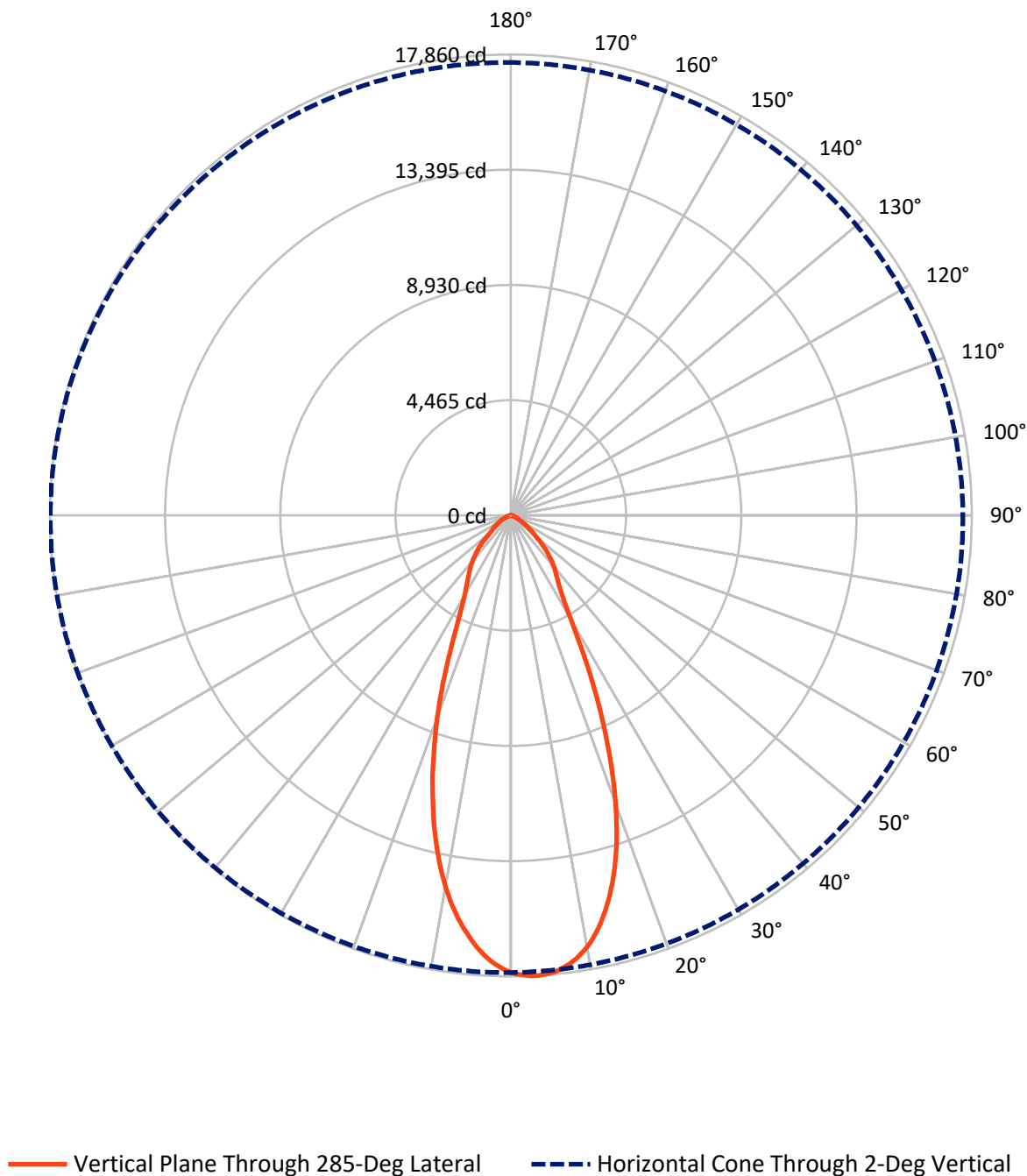
Based on 20 foot mounting height. Maximum calculated value = 44.4 fc

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	6375.9	0.0	6375.9
	% Fixture	48.6	0.0	48.6
Street Side	Lumens	6747.0	0.0	6747.0
	% Fixture	51.4	0.0	51.4
Total	Lumens	13122.9	0.0	13122.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1597.0	12.2
10°-20°	3774.8	28.8
20°-30°	3204.3	24.4
30°-40°	1959.5	14.9
40°-50°	1428.9	10.9
50°-60°	709.6	5.4
60°-70°	319.4	2.4
70°-80°	114.8	0.9
80°-90°	14.5	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°	13122.9	100.0
0°-180°	13122.9	100.0

Coefficient of Utilization



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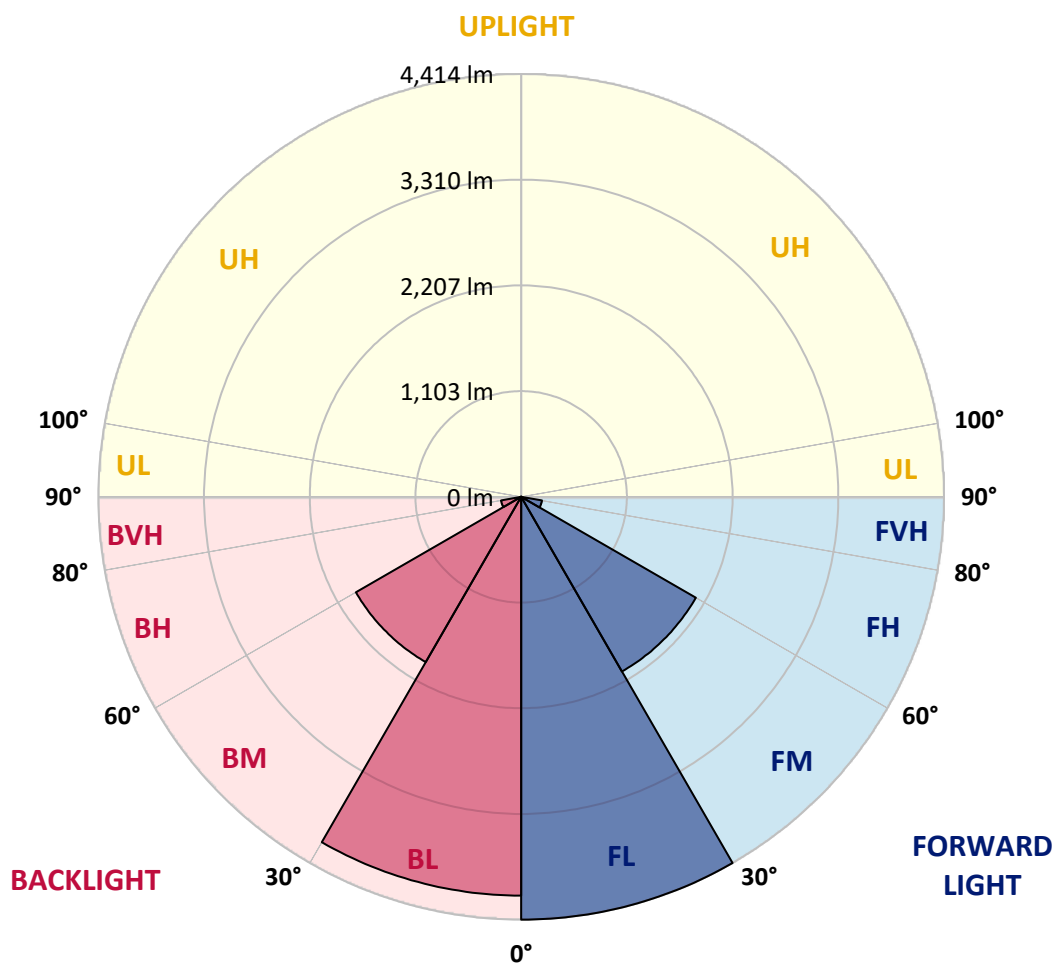
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4413.7	33.6			
FM	(30°-60°)	2105.8	16.0			
FH	(60°-80°)	220.6	1.7			G0/660
FVH	(80°-90°)	6.9	0.1			G0/10
BL	(0°-30°)	4162.5	31.7	B4/5000		
BM	(30°-60°)	1992.1	15.2	B2/2500		
BH	(60°-80°)	213.7	1.6	B1/500		G0/660
BVH	(80°-90°)	7.6	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	17762.1	17762.1	17762.1	17762.1	17762.1	17762.1	17762.1	17762.1	17762.1	17762.1	17762.1
1°	17780.2	17753.7	17730.0	17710.4	17690.9	17675.5	17658.8	17640.6	17639.2	17643.4	17654.6
2°	17714.6	17665.8	17632.3	17605.7	17579.2	17545.7	17517.8	17489.9	17480.1	17484.3	17485.7
3°	17591.8	17533.2	17482.9	17443.8	17404.7	17365.7	17323.8	17295.9	17277.7	17276.3	17284.7
4°	17420.1	17339.1	17279.1	17240.0	17189.8	17149.3	17092.1	17057.2	17041.8	17043.2	17054.4
5°	17213.5	17135.3	17061.4	16997.2	16937.1	16889.7	16822.7	16779.4	16764.0	16778.0	16805.9
6°	16991.6	16903.6	16819.9	16733.3	16646.8	16579.8	16503.0	16452.8	16448.6	16486.3	16549.1
7°	16772.4	16671.9	16564.4	16443.0	16321.6	16235.0	16159.6	16108.0	16109.4	16170.8	16275.5
8°	16577.0	16451.4	16304.8	16137.3	15974.0	15859.5	15761.8	15721.4	15746.5	15842.8	16000.5
9°	16376.0	16229.4	16035.4	15809.3	15594.3	15445.0	15329.1	15297.0	15340.3	15481.3	15700.4
10°	16162.4	15988.0	15745.1	15465.9	15197.9	15006.7	14854.5	14833.6	14907.6	15096.0	15359.8
11°	15914.0	15721.4	15428.2	15098.8	14770.8	14522.3	14353.4	14332.5	14445.6	14673.1	14991.3
12°	15616.7	15396.1	15086.2	14695.4	14325.5	14021.2	13807.9	13800.4	13942.5	14218.0	14565.6
13°	15263.5	15027.6	14684.2	14255.7	13837.4	13472.7	13223.6	13224.8	13406.4	13717.8	14089.6
14°	14862.9	14592.1	14219.4	13779.7	13305.6	12893.1	12612.7	12618.4	12836.9	13174.2	13563.5
15°	14420.4	14130.1	13691.5	13253.5	12752.3	12285.4	11967.4	11987.9	12222.4	12588.8	12984.3
16°	13958.4	13604.8	13140.7	12688.5	12149.5	11650.5	11310.5	11324.2	11576.8	11973.8	12364.8
17°	13470.0	13059.5	12556.7	12080.9	11510.1	10985.7	10645.4	10663.0	10913.8	11311.1	11716.3
18°	12961.5	12504.4	11953.1	11441.0	10852.2	10322.5	9985.7	9982.9	10231.9	10628.8	11043.6
19°	12434.4	11926.5	11320.3	10763.0	10173.9	9646.8	9326.3	9320.0	9543.8	9904.5	10340.7
20°	11877.6	11310.4	10660.2	10075.3	9496.2	8988.5	8671.4	8659.8	8853.4	9166.1	9599.1
21°	11257.7	10637.4	9959.9	9378.2	8806.5	8326.7	8012.0	7994.0	8157.4	8421.5	8823.4
22°	10566.2	9942.6	9245.9	8671.5	8127.1	7660.5	7365.9	7337.2	7484.2	7687.0	8046.9
23°	9813.3	9187.0	8513.5	7953.5	7439.3	7002.9	6727.1	6685.2	6803.7	6970.0	7281.1
24°	9014.6	8414.8	7783.9	7249.2	6772.3	6372.6	6117.1	6070.2	6151.6	6276.1	6562.3
25°	8213.3	7665.7	7079.3	6578.6	6135.4	5787.9	5571.1	5499.8	5544.6	5639.6	5896.5
26°	7403.1	6919.5	6392.7	5934.4	5544.6	5262.0	5085.3	5006.2	5000.7	5074.7	5291.8
27°	6620.8	6218.3	5757.0	5344.5	5024.9	4814.7	4675.0	4589.8	4546.4	4583.8	4780.8
28°	5890.2	5567.7	5185.4	4829.5	4569.3	4427.7	4327.0	4234.6	4166.7	4181.5	4344.0
29°	5265.8	5012.7	4695.5	4392.3	4194.1	4101.5	4035.1	3942.6	3853.6	3847.5	3991.8
30°	4750.2	4543.2	4285.7	4024.2	3872.3	3829.6	3792.4	3696.9	3601.0	3577.0	3702.0
31°	4345.0	4177.5	3944.4	3716.4	3605.0	3604.1	3587.3	3496.6	3389.7	3354.3	3472.9
32°	4028.8	3882.3	3662.5	3467.5	3385.6	3413.5	3416.7	3320.6	3214.3	3170.0	3281.8
33°	3786.2	3651.1	3435.2	3255.7	3199.7	3250.8	3266.1	3170.0	3063.9	3009.4	3119.7
34°	3594.2	3467.8	3248.0	3075.7	3034.8	3107.7	3136.5	3036.9	2928.5	2873.1	2984.0
35°	3438.9	3314.1	3090.5	2917.7	2889.4	2975.1	3012.6	2912.1	2803.0	2746.2	2862.2
36°	3310.0	3183.2	2954.6	2774.5	2759.4	2854.9	2895.0	2796.3	2687.1	2631.0	2748.3
37°	3198.7	3065.1	2833.0	2649.4	2640.7	2739.6	2782.3	2689.4	2571.3	2515.7	2641.8
38°	3095.4	2951.6	2721.5	2535.5	2529.7	2627.0	2675.3	2582.3	2455.4	2400.4	2535.3
39°	2990.3	2838.9	2613.2	2424.6	2418.4	2513.1	2568.2	2475.1	2338.5	2281.5	2428.6
40°	2877.5	2725.9	2499.5	2310.7	2307.6	2392.8	2461.0	2359.9	2225.1	2165.4	2313.7
41°	2760.0	2609.5	2379.5	2195.8	2193.6	2271.2	2338.3	2247.0	2105.2	2051.2	2195.8
42°	2633.3	2486.1	2255.8	2080.1	2076.7	2141.4	2209.6	2124.9	1984.6	1935.6	2076.7
43°	2499.8	2355.5	2134.4	1960.7	1958.8	2007.5	2082.5	2008.3	1861.8	1816.7	1957.5
44°	2360.1	2219.5	2009.6	1845.2	1840.6	1878.0	1956.4	1891.8	1738.5	1700.1	1846.1

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CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	2208.1	2082.2	1886.2	1730.3	1728.5	1756.7	1836.4	1779.0	1622.4	1589.4	1737.3
46°	2054.0	1947.5	1762.9	1618.8	1618.3	1637.5	1706.4	1655.2	1504.6	1494.0	1635.2
47°	1904.3	1813.9	1642.6	1508.9	1495.4	1506.9	1567.9	1508.3	1358.6	1386.3	1522.6
48°	1764.6	1685.6	1515.7	1384.8	1367.2	1384.8	1437.4	1360.9	1212.1	1254.6	1384.3
49°	1616.4	1543.1	1366.4	1251.7	1251.7	1264.3	1315.2	1217.6	1082.2	1123.1	1231.0
50°	1480.0	1394.5	1240.8	1120.8	1136.3	1161.9	1208.0	1093.1	946.1	958.5	1094.3
51°	1373.0	1233.8	1116.0	990.0	1020.8	1060.0	1121.5	1005.2	841.7	828.3	962.4
52°	1240.1	1122.5	991.1	899.9	932.6	978.9	1044.6	939.2	767.9	722.5	868.9
53°	1120.0	1011.4	892.8	831.9	848.6	891.8	974.2	885.2	703.5	639.1	810.5
54°	1000.4	935.6	824.1	786.1	771.4	804.5	894.6	842.3	649.4	558.4	747.3
55°	917.4	838.4	752.4	735.3	711.1	730.4	823.9	790.0	599.6	488.9	676.6
56°	822.7	756.0	691.9	675.0	669.9	674.0	763.8	740.2	552.7	433.5	604.2
57°	731.6	690.2	632.3	622.6	632.5	621.7	702.7	687.3	515.6	396.0	543.6
58°	643.7	626.7	579.1	573.0	581.2	562.3	642.8	648.7	478.9	368.7	489.9
59°	582.2	578.5	533.3	523.8	540.9	512.3	589.4	592.3	433.8	344.0	445.7
60°	520.9	544.4	491.8	478.9	497.5	450.1	544.4	535.8	398.7	321.8	408.1
61°	465.8	497.1	446.3	439.7	451.3	399.8	496.4	498.0	376.8	303.4	372.8
62°	416.2	445.0	404.7	402.8	410.5	370.3	453.6	462.5	349.0	285.0	343.0
63°	374.8	399.2	369.8	369.4	376.0	344.9	420.7	426.7	322.3	266.6	317.5
64°	335.7	365.4	339.6	340.1	345.7	315.7	386.1	385.6	297.0	250.7	293.8
65°	302.5	330.6	313.8	313.6	316.1	289.4	352.0	348.8	271.7	235.5	270.0
66°	274.6	299.5	288.2	288.2	288.4	265.7	319.7	315.6	249.5	220.2	248.0
67°	249.2	271.5	263.7	264.0	261.7	244.9	287.3	282.5	227.7	205.1	225.8
68°	225.4	244.3	238.9	239.3	235.7	224.6	255.1	249.5	206.5	190.6	204.2
69°	203.4	219.0	213.5	214.5	211.2	204.0	227.1	222.6	187.4	175.8	186.2
70°	182.0	194.8	190.6	191.2	188.3	184.6	204.8	200.0	170.1	161.5	179.3
71°	163.2	173.3	173.6	169.8	167.7	166.9	196.9	179.3	154.3	147.2	170.4
72°	144.9	153.8	170.2	150.7	148.9	150.1	175.9	159.9	139.3	133.3	153.2
73°	127.9	135.7	152.5	133.3	131.6	133.8	151.7	141.5	124.4	118.8	131.1
74°	113.0	119.1	129.1	117.8	116.5	118.8	130.0	124.4	110.4	105.2	113.4
75°	98.2	102.6	110.7	102.4	101.4	103.9	112.0	108.1	96.9	92.4	98.0
76°	83.4	86.1	92.4	87.0	86.4	89.0	96.8	93.3	84.1	80.1	83.8
77°	70.9	72.0	74.0	73.0	73.5	75.9	83.4	79.7	72.2	68.5	71.1
78°	58.5	58.3	61.8	60.7	62.1	64.0	71.8	67.1	61.2	56.8	59.8
79°	46.1	46.5	51.0	49.9	51.4	52.8	60.4	55.4	51.0	46.6	50.0
80°	35.9	36.2	40.6	40.2	41.2	42.8	49.2	45.1	41.5	37.8	40.9
81°	27.4	27.4	30.7	32.0	33.4	34.7	40.0	37.3	33.9	30.8	33.1
82°	20.3	20.8	23.5	24.0	25.6	27.2	32.3	29.4	26.3	23.7	25.3
83°	14.5	14.6	16.0	16.7	18.5	20.3	24.6	21.6	18.7	16.7	17.5
84°	10.2	10.2	11.3	12.1	13.6	14.9	17.0	15.8	13.9	12.2	12.1
85°	5.9	5.9	6.6	7.5	8.8	10.1	10.7	10.9	9.3	8.0	7.4
86°	1.5	1.6	1.9	2.9	4.0	6.0	5.8	5.9	4.9	4.3	3.8
87°	0.5	0.5	0.5	0.7	1.3	1.9	2.2	2.2	1.9	1.7	1.6
88°	0.2	0.2	0.2	0.2	0.3	0.4	0.6	0.6	0.6	0.7	0.7
89°	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	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: P1440354

CATALOG NUMBER: XSF200-SFTR-5Hx5V-830-Position 4

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P1440354
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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: P1440354

CATALOG NUMBER: XSF200-SFTR-5Hx5V-830-Position 4

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	17762.1	17762.1	17762.1	17762.1	17762.1	17762.1	17762.1	17762.1	17762.1	17762.1	17762.1
1°	17668.6	17697.9	17710.4	17741.1	17762.1	17787.2	17806.7	17816.5	17813.7	17824.9	17829.1
2°	17509.4	17549.9	17590.4	17644.8	17709.0	17766.3	17816.5	17845.8	17859.8	17850.0	17836.1
3°	17312.6	17353.1	17417.3	17498.3	17598.8	17696.5	17794.2	17834.7	17857.0	17838.8	17795.6
4°	17087.9	17138.1	17213.5	17315.4	17457.8	17597.4	17736.9	17799.8	17830.5	17783.0	17700.7
5°	16857.6	16914.8	16993.0	17108.8	17281.9	17466.2	17642.0	17738.3	17769.1	17693.7	17575.0
6°	16627.3	16685.9	16765.4	16902.2	17087.9	17304.2	17516.4	17642.0	17661.6	17573.6	17415.9
7°	16384.4	16469.5	16557.5	16690.1	16881.3	17114.4	17354.5	17499.7	17517.8	17410.3	17237.2
8°	16151.3	16260.2	16357.9	16491.9	16674.7	16907.8	17157.7	17322.4	17344.7	17221.9	17032.1
9°	15901.4	16031.2	16156.9	16290.9	16461.2	16674.7	16924.6	17093.5	17115.8	16994.4	16805.9
10°	15606.9	15767.4	15915.4	16073.1	16223.9	16409.5	16641.2	16818.5	16847.8	16730.5	16584.0
11°	15273.3	15454.8	15634.8	15820.5	15974.0	16108.0	16307.6	16480.7	16522.6	16429.0	16338.3
12°	14881.1	15076.5	15287.2	15527.3	15687.9	15784.2	15932.1	16091.3	16144.3	16094.0	16073.1
13°	14426.0	14631.2	14881.1	15182.6	15366.8	15403.1	15520.4	15662.7	15718.6	15717.2	15775.8
14°	13918.2	14151.0	14417.6	14779.2	14984.4	15001.1	15058.3	15186.7	15249.6	15305.4	15439.4
15°	13377.0	13644.5	13930.5	14319.9	14560.0	14551.6	14564.2	14657.7	14749.9	14855.9	15056.9
16°	12809.9	13130.4	13413.2	13800.4	14047.7	14035.2	14024.0	14078.5	14195.7	14371.6	14621.4
17°	12228.8	12616.2	12901.8	13236.8	13475.3	13480.9	13429.4	13445.4	13596.3	13826.8	14105.0
18°	11608.4	12078.1	12367.3	12641.2	12845.2	12868.4	12784.8	12769.2	12939.3	13251.3	13527.1
19°	10943.0	11480.4	11797.8	12012.6	12157.5	12195.6	12087.7	12048.3	12245.0	12606.3	12874.7
20°	10219.9	10809.0	11151.7	11333.4	11412.8	11470.0	11347.3	11294.7	11499.8	11897.4	12181.1
21°	9445.7	10052.6	10424.7	10580.8	10620.8	10708.8	10573.2	10524.1	10734.0	11150.8	11428.6
22°	8636.8	9245.1	9632.6	9768.1	9809.3	9904.9	9786.8	9744.1	9962.1	10365.5	10645.0
23°	7835.1	8415.0	8803.8	8909.2	8953.8	9081.1	8991.3	8966.2	9176.4	9563.2	9816.9
24°	7050.1	7588.3	7944.7	8068.7	8121.4	8248.3	8196.7	8184.9	8402.7	8746.8	8979.3
25°	6326.9	6782.1	7126.3	7242.5	7291.2	7456.4	7409.7	7417.9	7639.7	7948.9	8144.0
26°	5655.2	6033.7	6335.6	6463.0	6515.6	6648.5	6635.0	6666.4	6881.4	7153.8	7336.1
27°	5082.3	5396.3	5653.3	5774.2	5809.6	5917.7	5916.1	5963.5	6164.6	6406.2	6563.7
28°	4598.2	4850.8	5046.8	5150.9	5174.9	5242.9	5262.0	5320.8	5489.3	5700.3	5848.6
29°	4217.4	4434.0	4576.4	4640.3	4633.6	4663.6	4699.7	4778.0	4910.4	5073.0	5208.3
30°	3918.0	4105.0	4197.7	4213.2	4178.6	4187.2	4245.2	4335.1	4430.1	4533.6	4645.2
31°	3680.7	3856.7	3916.7	3879.9	3813.4	3812.5	3888.3	3986.1	4051.7	4094.6	4190.6
32°	3493.7	3657.5	3684.7	3607.4	3524.5	3514.4	3605.7	3709.6	3753.0	3754.5	3818.2
33°	3340.4	3496.4	3508.9	3392.7	3285.9	3282.5	3379.2	3490.2	3512.2	3477.0	3521.3
34°	3208.2	3368.7	3354.9	3216.6	3097.1	3092.5	3197.2	3311.1	3321.1	3256.2	3284.3
35°	3094.3	3259.3	3224.4	3066.0	2932.5	2933.8	3042.0	3158.5	3161.0	3074.9	3087.0
36°	2989.8	3160.5	3108.8	2932.0	2791.1	2795.2	2907.7	3029.7	3022.0	2918.6	2924.3
37°	2887.7	3063.9	2998.5	2810.4	2674.8	2680.7	2789.6	2910.7	2894.0	2780.9	2782.5
38°	2781.1	2962.4	2890.1	2700.0	2558.4	2566.4	2684.8	2803.5	2776.2	2655.7	2656.7
39°	2670.5	2857.4	2779.1	2589.7	2442.0	2451.9	2579.9	2697.5	2665.2	2537.8	2538.5
40°	2560.0	2745.9	2657.7	2479.3	2323.7	2335.8	2475.1	2587.1	2548.4	2421.6	2422.8
41°	2449.3	2629.6	2536.4	2358.7	2205.4	2219.7	2360.9	2470.8	2429.2	2306.3	2309.0
42°	2319.1	2513.1	2414.4	2229.2	2086.2	2102.0	2241.3	2349.1	2301.6	2187.0	2192.2
43°	2191.6	2384.0	2275.5	2099.1	1963.9	1983.9	2119.0	2217.3	2166.1	2068.4	2072.3
44°	2065.7	2252.7	2137.9	1962.8	1838.3	1862.6	1996.3	2083.9	2023.6	1944.4	1952.9

REPORT NUMBER: P1440354

CATALOG NUMBER: XSF200-SFTR-5Hx5V-830-Position 4

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	1946.4	2125.7	2000.5	1830.1	1712.0	1732.2	1871.3	1953.3	1878.8	1819.3	1833.3
46°	1829.4	2003.0	1876.0	1706.7	1593.8	1606.2	1749.7	1827.2	1735.9	1690.4	1716.5
47°	1700.6	1864.6	1748.7	1596.6	1484.1	1485.0	1629.4	1711.7	1608.7	1567.1	1604.2
48°	1553.2	1721.4	1597.3	1460.6	1362.7	1355.3	1499.1	1586.7	1476.8	1451.0	1495.5
49°	1420.0	1591.0	1449.7	1305.8	1209.3	1199.6	1357.3	1457.4	1343.1	1329.6	1367.3
50°	1307.4	1502.6	1340.0	1167.1	1046.1	1061.8	1206.7	1323.2	1241.3	1207.4	1244.7
51°	1203.5	1390.2	1259.3	1053.0	895.8	942.4	1073.4	1226.0	1139.6	1085.2	1100.7
52°	1120.3	1274.9	1165.4	927.8	761.6	817.3	971.9	1129.2	1038.0	963.1	956.1
53°	1071.0	1209.0	1113.0	866.2	684.5	737.0	906.1	1032.4	953.0	874.5	871.4
54°	1009.1	1148.1	1057.7	796.0	604.3	678.0	858.3	946.2	868.2	803.1	806.6
55°	945.5	1068.5	972.4	720.7	525.7	624.5	819.8	867.7	788.4	742.9	745.9
56°	855.9	978.4	880.5	649.6	461.0	580.6	778.7	803.2	720.2	696.2	691.4
57°	771.0	884.1	796.1	582.2	417.1	545.1	724.6	733.6	651.1	653.0	638.6
58°	708.4	802.9	721.1	521.9	387.2	512.4	671.4	668.8	580.7	593.4	590.5
59°	641.3	737.6	651.3	475.2	361.0	467.4	635.8	618.3	542.0	544.4	544.8
60°	571.0	666.8	582.7	440.1	337.6	421.8	582.0	566.4	489.1	513.0	502.8
61°	513.6	593.2	519.7	398.1	315.9	387.3	522.7	512.1	430.4	470.7	462.8
62°	464.2	528.7	462.6	358.1	296.6	360.4	478.5	472.1	388.0	427.8	424.8
63°	417.5	469.4	416.3	325.9	277.3	333.8	444.1	437.0	351.4	387.0	390.5
64°	381.9	419.0	375.5	299.8	260.8	308.8	404.3	401.4	320.0	352.7	358.0
65°	347.1	373.3	340.9	273.8	245.2	283.8	367.4	368.1	294.9	323.8	328.1
66°	315.0	335.6	310.5	252.8	229.7	258.9	333.8	336.7	271.9	296.3	301.1
67°	282.9	297.9	280.0	232.2	214.3	237.5	301.4	306.1	251.4	270.4	275.6
68°	251.0	260.4	249.6	211.5	199.1	218.6	269.2	276.6	231.6	245.3	250.0
69°	223.2	228.1	222.4	191.9	184.5	199.5	242.4	248.7	212.3	221.0	224.2
70°	195.5	200.2	197.4	176.2	170.2	181.0	217.2	222.3	193.4	197.9	200.1
71°	171.4	176.1	174.5	165.5	155.7	163.7	194.9	199.1	175.1	175.6	178.1
72°	149.8	154.5	153.9	157.9	141.4	148.0	174.4	183.5	158.3	156.3	158.6
73°	130.2	134.1	134.6	139.5	127.1	133.2	155.1	168.2	142.2	138.7	140.4
74°	111.8	115.6	116.3	118.6	112.8	118.7	136.8	145.0	126.8	123.4	124.8
75°	95.3	99.1	99.3	101.7	99.3	104.8	119.3	123.6	112.4	108.1	108.5
76°	81.1	84.4	84.6	86.5	86.5	91.7	102.5	106.5	97.9	92.9	92.1
77°	68.4	71.4	71.4	73.7	74.2	79.0	87.9	89.4	83.5	79.4	78.2
78°	56.8	59.8	59.4	62.3	62.2	66.9	74.6	76.0	70.9	67.4	65.4
79°	46.6	49.4	48.7	52.6	51.4	56.5	62.6	64.2	59.6	56.8	54.2
80°	37.5	40.0	39.3	43.2	42.0	46.7	51.5	52.6	48.7	46.3	44.3
81°	31.0	33.1	32.4	35.2	34.5	38.3	41.7	42.5	38.7	37.1	35.4
82°	24.5	26.3	25.5	27.3	26.9	30.0	34.1	34.2	30.7	29.1	26.8
83°	18.0	19.5	18.7	19.4	19.5	21.8	26.6	26.6	23.1	21.6	19.1
84°	14.5	15.8	15.2	14.0	15.5	16.9	19.0	19.4	17.6	16.0	13.1
85°	10.4	11.3	10.9	8.8	11.1	12.6	13.9	12.9	13.2	11.5	8.8
86°	5.3	5.8	6.1	4.7	6.5	7.9	8.6	8.2	8.4	7.0	4.5
87°	1.8	1.9	2.2	2.0	2.7	3.3	3.9	3.6	3.7	2.5	1.4
88°	0.8	0.9	0.9	0.9	1.0	1.1	1.3	1.1	1.1	0.7	0.4
89°	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.3	0.3	0.2	0.1

REPORT NUMBER: P1440354

CATALOG NUMBER: XSF200-SFTR-5Hx5V-830-Position 4

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1440354

CATALOG NUMBER: XSF200-SFTR-5Hx5V-830-Position 4

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P1440354
CATALOG NUMBER: XSF200-SFTR-5Hx5V-830-Position 4

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1440354

CATALOG NUMBER: XSF200-SFTR-5Hx5V-830-Position 4

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	17762.1	17762.1	17762.1
1°	17808.1	17801.2	17780.2
2°	17795.6	17753.7	17714.6
3°	17723.0	17653.2	17591.8
4°	17593.2	17494.1	17420.1
5°	17428.5	17300.1	17213.5
6°	17242.8	17093.5	16991.6
7°	17039.0	16884.1	16772.4
8°	16831.0	16680.3	16577.0
9°	16635.6	16487.7	16376.0
10°	16433.2	16289.5	16162.4
11°	16219.7	16068.9	15914.0
12°	15993.5	15813.5	15616.7
13°	15717.2	15491.0	15263.5
14°	15390.5	15121.1	14862.9
15°	14999.7	14703.8	14420.4
16°	14558.6	14254.3	13958.4
17°	14074.3	13774.4	13470.0
18°	13532.3	13269.8	12961.5
19°	12946.7	12749.9	12434.4
20°	12315.2	12205.9	11877.6
21°	11627.4	11598.5	11257.7
22°	10897.3	10917.3	10566.2
23°	10089.4	10169.5	9813.3
24°	9253.2	9352.1	9014.6
25°	8415.0	8521.5	8213.3
26°	7579.1	7672.2	7403.1
27°	6781.7	6853.9	6620.8
28°	6031.7	6076.1	5890.2
29°	5357.5	5388.9	5265.8
30°	4779.5	4808.8	4750.2
31°	4311.9	4365.4	4345.0
32°	3942.3	4019.6	4028.8
33°	3650.1	3753.8	3786.2
34°	3419.1	3549.5	3594.2
35°	3229.8	3383.4	3438.9
36°	3078.1	3250.6	3310.0
37°	2947.2	3136.0	3198.7
38°	2825.6	3030.0	3095.4
39°	2707.7	2920.9	2990.3
40°	2591.0	2804.4	2877.5
41°	2472.5	2685.2	2760.0
42°	2345.7	2561.4	2633.3
43°	2223.9	2435.3	2499.8
44°	2101.7	2300.9	2360.1

REPORT NUMBER: P1440354

CATALOG NUMBER: XSF200-SFTR-5Hx5V-830-Position 4

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	1976.8	2161.7	2208.1
46°	1851.6	2019.8	2054.0
47°	1724.6	1881.5	1904.3
48°	1602.6	1743.8	1764.6
49°	1473.9	1597.8	1616.4
50°	1323.8	1448.7	1480.0
51°	1198.3	1287.3	1373.0
52°	1073.2	1173.4	1240.1
53°	948.1	1060.8	1120.0
54°	863.7	948.2	1000.4
55°	794.7	878.6	917.4
56°	744.3	809.9	822.7
57°	683.3	729.8	731.6
58°	624.5	659.7	643.7
59°	571.6	600.9	582.2
60°	522.8	537.0	520.9
61°	480.1	480.6	465.8
62°	436.9	437.6	416.2
63°	395.1	397.2	374.8
64°	359.1	360.6	335.7
65°	327.3	326.1	302.5
66°	295.8	295.6	274.6
67°	265.0	269.9	249.2
68°	237.7	244.8	225.4
69°	212.1	220.9	203.4
70°	190.3	197.9	182.0
71°	170.6	176.8	163.2
72°	156.4	157.7	144.9
73°	149.6	138.8	127.9
74°	132.9	122.3	113.0
75°	111.1	105.8	98.2
76°	92.6	89.4	83.4
77°	79.8	75.1	70.9
78°	67.0	61.8	58.5
79°	54.2	49.5	46.1
80°	43.5	38.6	35.9
81°	33.3	29.0	27.4
82°	24.9	21.3	20.3
83°	17.8	15.5	14.5
84°	12.7	11.0	10.2
85°	7.7	6.5	5.9
86°	2.6	2.1	1.5
87°	0.7	0.5	0.5
88°	0.3	0.2	0.2
89°	0.1	0.1	0.1

REPORT NUMBER: P1440354

CATALOG NUMBER: XSF200-SFTR-5Hx5V-830-Position 4

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1440354

CATALOG NUMBER: XSF200-SFTR-5Hx5V-830-Position 4

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1440354

CATALOG NUMBER: XSF200-SFTR-5Hx5V-830-Position 4

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)