

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: P1440357

Luminaire Tested: XSF200-SFTR-5Hx5V-840-Position 3

Issue Date: 04/15/2026

Test Information

Test Method: LM-79-2024
Report Number: P1440357
Test Lab: THIRD PARTY NVLAP
Issue Date: 7/15/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XSF200-SFTR-5Hx5V-840-Position 3
Description: LUMARK ALL SELECTABLE LUMINAIRE 200W w/ NEMA 5 FLOOD DISTRIBUTION 4000K CCT
80 CRI LIGHT ENGINE AT Position 3
Light Source: (1) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20019.1 lumens
Efficiency: N/A
Efficacy: 168.2 lumens/watt
Luminous Opening: Rectangular (W 0.42' x L: 0.42' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 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

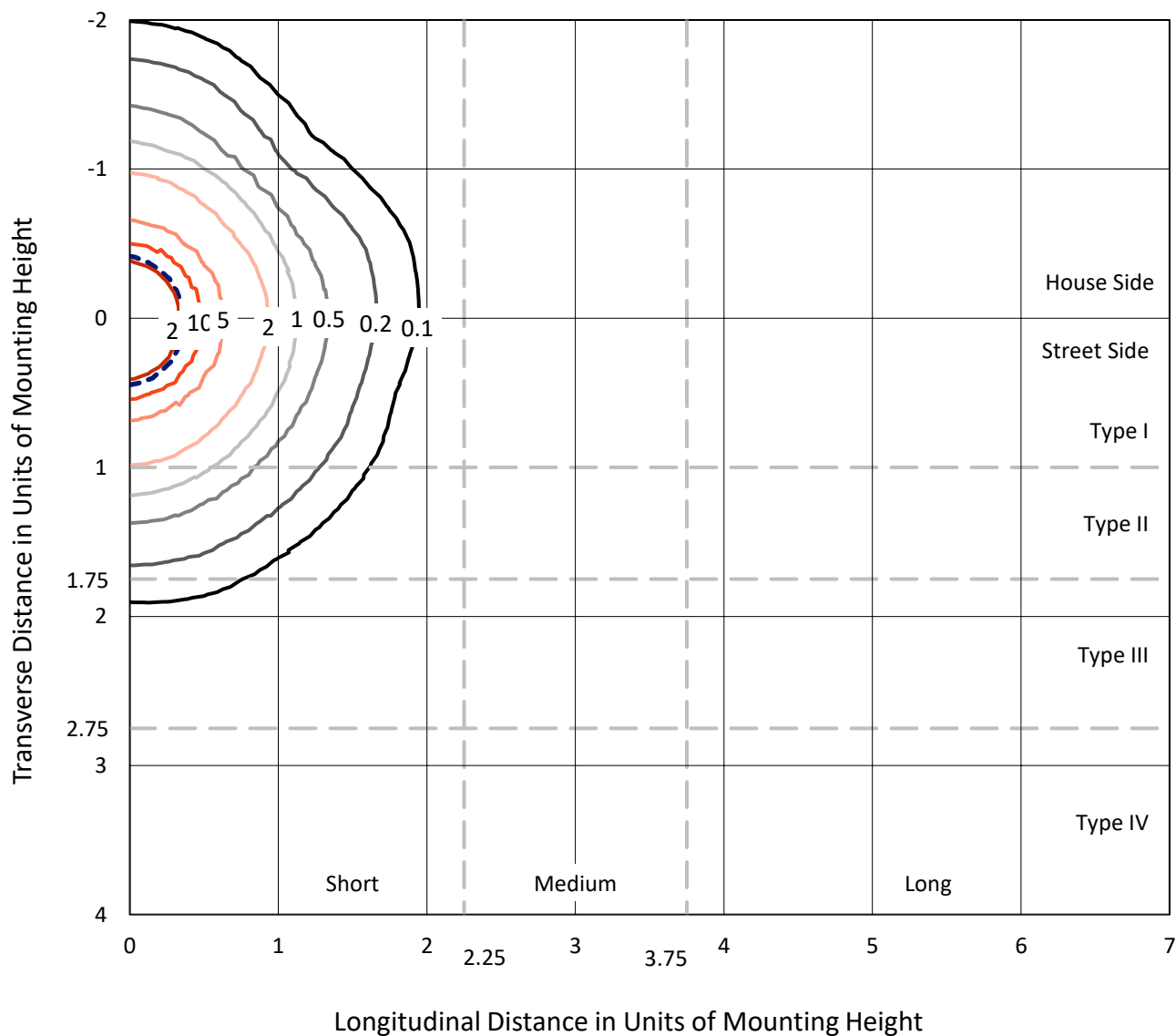
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



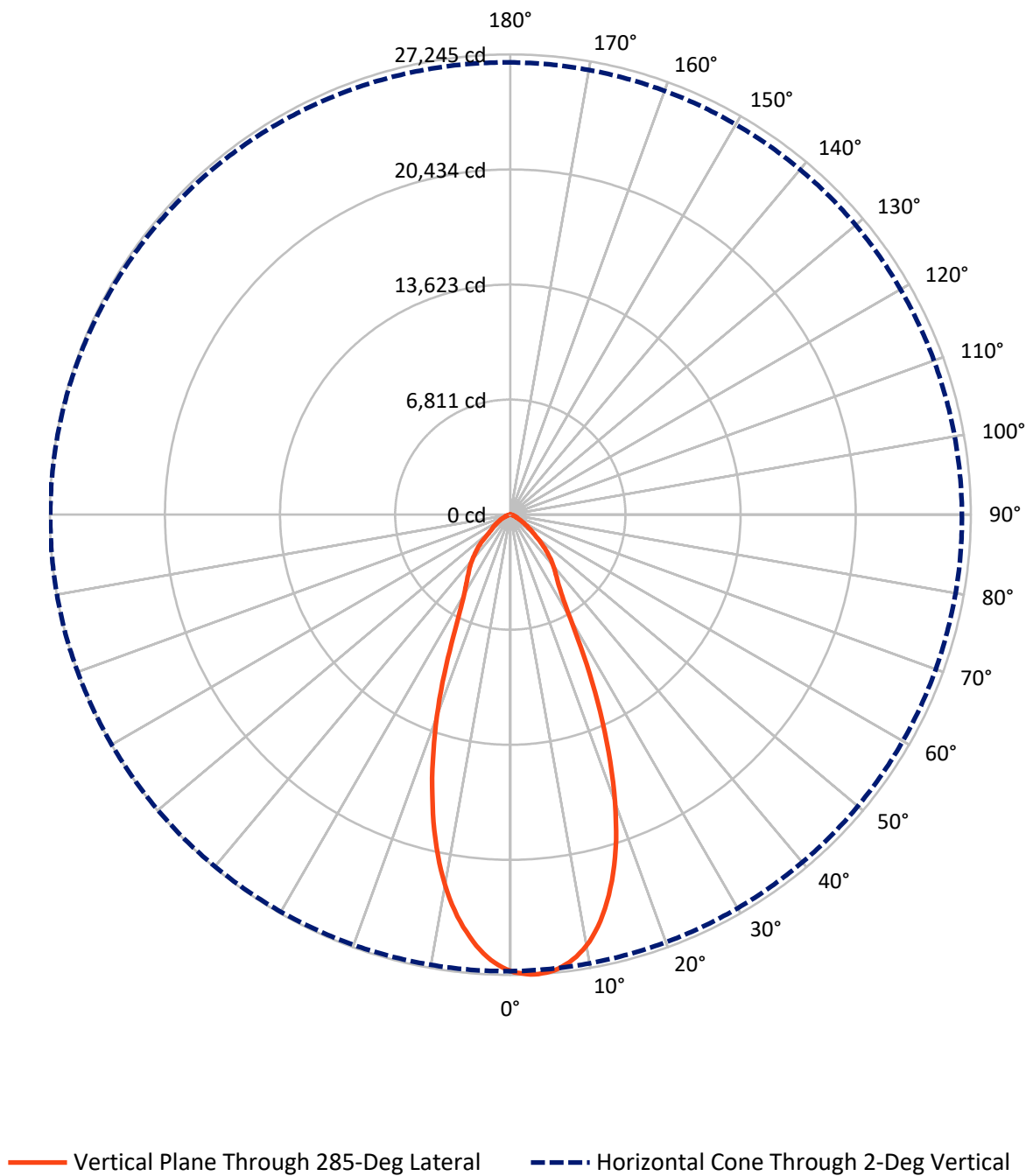
Based on 25 foot mounting height. Maximum calculated value = 43.4 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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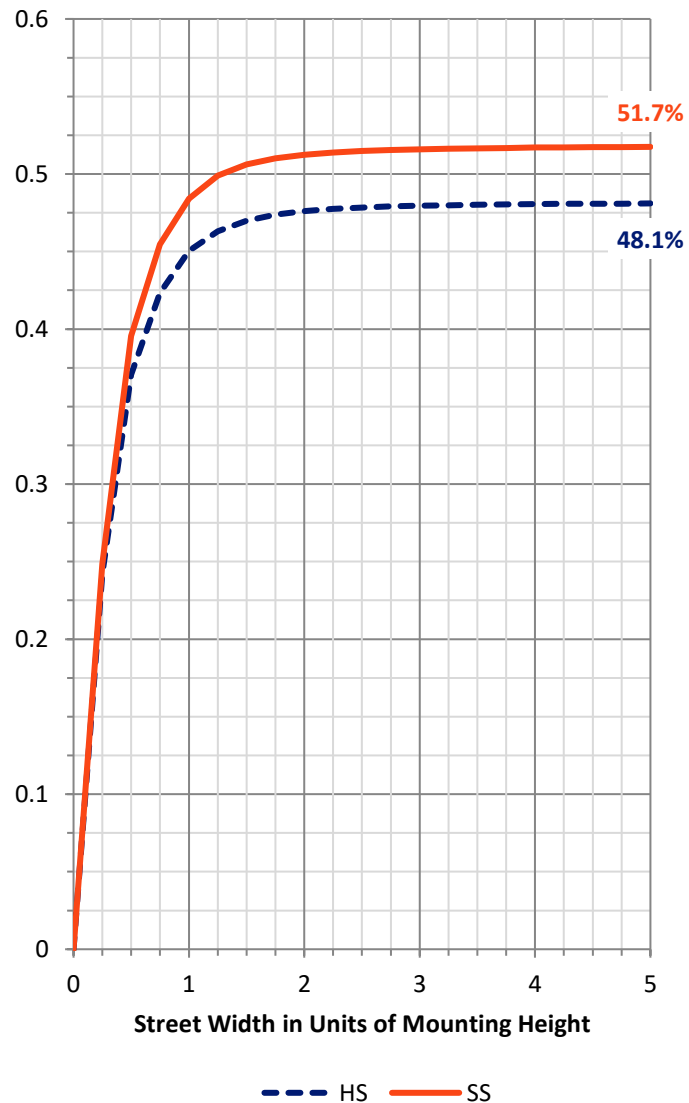
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9726.5	0.0	9726.5
	% Fixture	48.6	0.0	48.6
Street Side	Lumens	10292.6	0.0	10292.6
	% Fixture	51.4	0.0	51.4
Total	Lumens	20019.1	0.0	20019.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2436.3	12.2
10°-20°	5758.6	28.8
20°-30°	4888.2	24.4
30°-40°	2989.3	14.9
40°-50°	2179.8	10.9
50°-60°	1082.5	5.4
60°-70°	487.3	2.4
70°-80°	175.1	0.9
80°-90°	22.1	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°	20019.1	100.0
0°-180°	20019.1	100.0

Coefficient of Utilization



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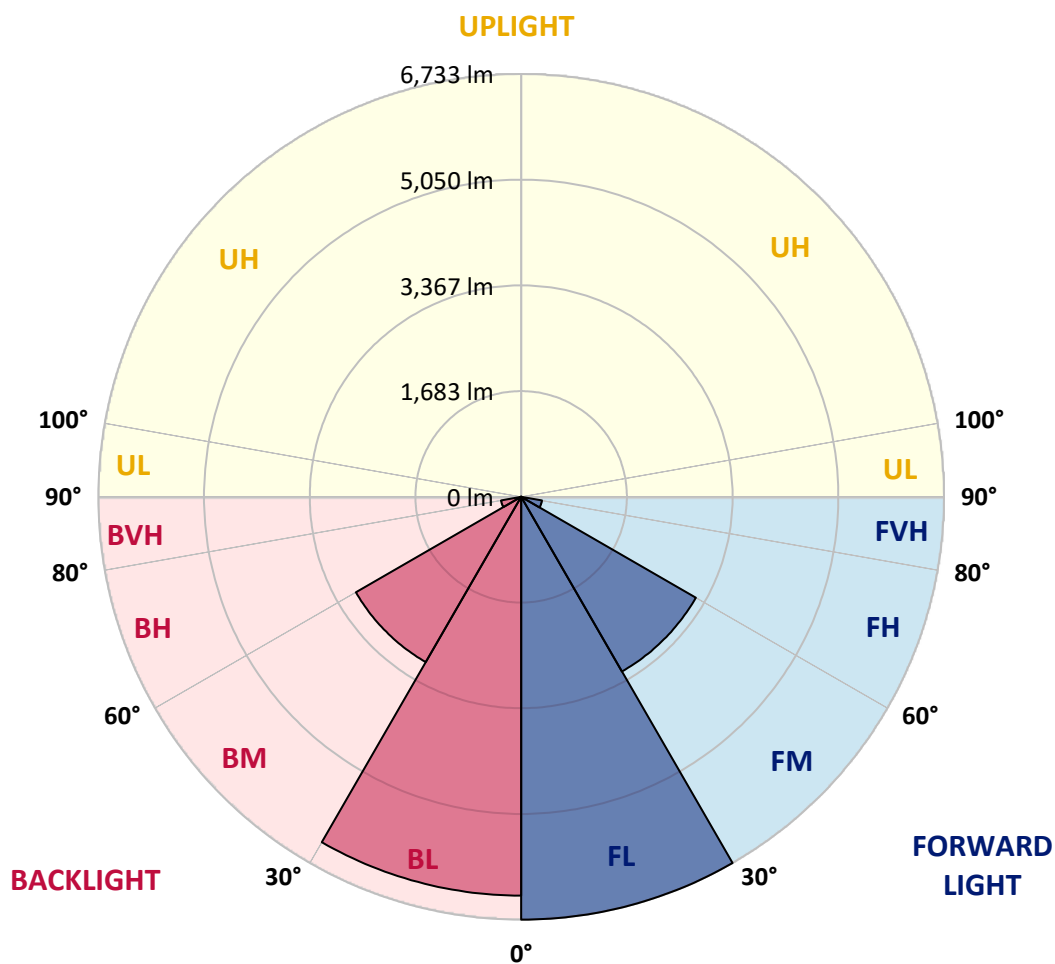
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	6733.1	33.6			
FM	(30°-60°)	3212.5	16.0			
FH	(60°-80°)	336.5	1.7			G0/660
FVH	(80°-90°)	10.5	0.1			G1/100
BL	(0°-30°)	6349.9	31.7	B5		
BM	(30°-60°)	3039.0	15.2	B3/5000		
BH	(60°-80°)	325.9	1.6	B1/500		G0/660
BVH	(80°-90°)	11.6	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°	27096.2	27096.2	27096.2	27096.2	27096.2	27096.2	27096.2	27096.2	27096.2	27096.2	27096.2
1°	27123.9	27083.4	27047.2	27017.4	26987.6	26964.2	26938.6	26910.9	26908.8	26915.2	26932.2
2°	27023.8	26949.3	26898.2	26857.7	26817.3	26766.2	26723.6	26681.0	26666.1	26672.5	26674.6
3°	26836.4	26747.0	26670.3	26610.7	26551.1	26491.5	26427.6	26385.0	26357.3	26355.2	26368.0
4°	26574.5	26451.0	26359.4	26299.8	26223.2	26161.4	26074.1	26020.9	25997.4	25999.6	26016.6
5°	26259.4	26140.1	26027.3	25929.3	25837.7	25765.3	25663.1	25597.1	25573.7	25595.0	25637.6
6°	25920.8	25786.6	25658.9	25526.9	25394.8	25292.6	25175.5	25098.9	25092.5	25150.0	25245.8
7°	25586.5	25433.2	25269.2	25083.9	24898.7	24766.7	24651.7	24572.9	24575.0	24668.7	24828.4
8°	25288.4	25096.7	24873.1	24617.6	24368.5	24193.9	24044.8	23983.1	24021.4	24168.3	24408.9
9°	24981.7	24758.2	24462.2	24117.2	23789.3	23561.5	23384.7	23335.7	23401.7	23616.8	23951.1
10°	24655.9	24389.8	24019.3	23593.4	23184.6	22892.8	22660.7	22628.8	22741.6	23029.1	23431.6
11°	24276.9	23983.1	23535.9	23033.4	22533.0	22153.9	21896.3	21864.3	22036.8	22383.9	22869.4
12°	23823.4	23486.9	23014.2	22418.0	21853.7	21389.5	21064.1	21052.6	21269.4	21689.7	22220.0
13°	23284.6	22924.8	22400.9	21747.2	21109.1	20552.7	20172.8	20174.5	20451.5	20926.6	21493.8
14°	22673.5	22260.4	21691.9	21021.1	20297.8	19668.5	19240.8	19249.5	19582.7	20097.4	20691.3
15°	21998.5	21555.6	20886.5	20218.3	19453.7	18741.4	18256.3	18287.6	18645.4	19204.3	19807.6
16°	21293.7	20754.3	20046.3	19356.4	18534.2	17773.0	17254.3	17275.1	17660.5	18266.1	18862.6
17°	20548.6	19922.4	19155.4	18429.5	17558.8	16758.8	16239.6	16266.5	16649.1	17255.1	17873.3
18°	19772.9	19075.5	18234.6	17453.4	16555.2	15747.1	15233.3	15229.0	15608.9	16214.3	16847.1
19°	18968.8	18194.0	17269.2	16419.1	15520.3	14716.3	14227.4	14217.8	14559.1	15109.4	15774.8
20°	18119.4	17254.1	16262.2	15370.0	14486.5	13712.1	13228.3	13210.6	13505.9	13982.9	14643.4
21°	17173.8	16227.5	15193.9	14306.6	13434.4	12702.5	12222.4	12194.9	12444.2	12847.1	13460.2
22°	16118.9	15167.5	14104.7	13228.5	12398.0	11686.2	11236.7	11193.0	11417.2	11726.6	12275.6
23°	14970.3	14014.9	12987.4	12133.1	11348.7	10683.0	10262.3	10198.4	10379.2	10632.8	11107.4
24°	13751.9	12836.9	11874.4	11058.7	10331.3	9721.4	9331.7	9260.2	9384.3	9574.3	10010.8
25°	12529.4	11694.1	10799.5	10035.7	9359.6	8829.4	8498.7	8389.9	8458.3	8603.3	8995.1
26°	11293.5	10555.7	9752.1	9053.0	8458.3	8027.3	7757.7	7637.0	7628.7	7741.5	8072.6
27°	10100.0	9486.1	8782.4	8153.1	7665.5	7344.8	7131.7	7001.8	6935.6	6992.6	7293.1
28°	8985.5	8493.6	7910.4	7367.4	6970.5	6754.6	6600.8	6459.9	6356.4	6378.9	6626.8
29°	8033.0	7647.0	7163.0	6700.5	6398.1	6256.9	6155.6	6014.4	5878.8	5869.4	6089.6
30°	7246.5	6930.7	6537.8	6139.0	5907.3	5842.1	5785.3	5639.6	5493.3	5456.7	5647.5
31°	6628.3	6372.8	6017.2	5669.4	5499.5	5498.0	5472.5	5334.1	5171.0	5117.1	5297.9
32°	6146.0	5922.4	5587.2	5289.8	5164.8	5207.4	5212.3	5065.6	4903.5	4835.8	5006.4
33°	5775.9	5569.8	5240.4	4966.5	4881.1	4959.1	4982.5	4835.8	4674.0	4590.9	4759.1
34°	5482.9	5290.2	4954.8	4692.1	4629.7	4740.8	4784.7	4632.9	4467.4	4382.9	4552.2
35°	5246.1	5055.8	4714.6	4451.0	4407.8	4538.5	4595.8	4442.5	4276.0	4189.3	4366.3
36°	5049.4	4856.0	4507.2	4232.5	4209.5	4355.2	4416.3	4265.8	4099.2	4013.6	4192.5
37°	4879.7	4675.9	4321.8	4041.8	4028.3	4179.3	4244.5	4102.7	3922.5	3837.8	4030.0
38°	4722.1	4502.8	4151.6	3868.0	3859.1	4007.5	4081.1	3939.3	3745.8	3661.9	3867.6
39°	4561.7	4330.7	3986.4	3698.7	3689.3	3833.7	3917.8	3775.8	3567.3	3480.5	3704.9
40°	4389.7	4158.4	3813.1	3525.0	3520.3	3650.2	3754.3	3600.1	3394.4	3303.3	3529.6
41°	4210.4	3980.9	3629.9	3349.7	3346.3	3464.7	3567.1	3427.9	3211.5	3129.1	3349.7
42°	4017.1	3792.6	3441.3	3173.2	3168.1	3266.7	3370.8	3241.5	3027.5	2952.8	3168.1
43°	3813.5	3593.3	3256.0	2991.1	2988.1	3062.5	3176.8	3063.7	2840.2	2771.4	2986.2
44°	3600.3	3385.9	3065.7	2814.8	2807.8	2864.9	2984.5	2885.9	2652.1	2593.6	2816.3

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CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	3368.4	3176.4	2877.4	2639.6	2636.8	2679.8	2801.4	2713.9	2475.0	2424.7	2650.2
46°	3133.4	2970.9	2689.4	2469.4	2468.8	2498.0	2603.2	2525.0	2295.2	2279.1	2494.6
47°	2905.1	2767.1	2505.8	2301.8	2281.2	2298.9	2391.9	2301.0	2072.5	2114.9	2322.7
48°	2691.9	2571.4	2312.3	2112.5	2085.7	2112.6	2192.8	2076.0	1849.0	1913.9	2111.8
49°	2465.8	2354.0	2084.5	1909.5	1909.5	1928.8	2006.4	1857.5	1650.9	1713.3	1878.0
50°	2257.8	2127.4	1892.8	1709.9	1733.4	1772.5	1842.9	1667.6	1443.3	1462.2	1669.4
51°	2094.5	1882.1	1702.4	1510.3	1557.2	1617.1	1710.9	1533.5	1284.1	1263.6	1468.2
52°	1891.8	1712.5	1512.0	1372.7	1422.7	1493.3	1593.6	1432.8	1171.4	1102.2	1325.6
53°	1708.6	1542.9	1362.0	1269.0	1294.5	1360.5	1486.1	1350.4	1073.2	974.9	1236.4
54°	1526.1	1427.3	1257.2	1199.2	1176.8	1227.3	1364.6	1284.9	990.6	851.9	1140.0
55°	1399.5	1278.9	1147.8	1121.7	1084.8	1114.2	1256.9	1205.1	914.7	745.9	1032.2
56°	1255.0	1153.2	1055.5	1029.7	1021.9	1028.1	1165.2	1129.1	843.1	661.3	921.8
57°	1116.0	1052.9	964.6	949.8	964.9	948.5	1072.0	1048.4	786.6	604.2	829.3
58°	981.9	956.1	883.5	874.1	886.7	857.9	980.6	989.6	730.6	562.5	747.3
59°	888.1	882.4	813.5	799.1	825.2	781.5	899.1	903.6	661.8	524.8	680.0
60°	794.6	830.5	750.2	730.6	759.0	686.6	830.6	817.4	608.3	491.0	622.5
61°	710.5	758.4	680.9	670.8	688.4	609.9	757.3	759.8	574.8	462.9	568.7
62°	634.9	678.8	617.4	614.4	626.3	564.9	692.0	705.6	532.4	434.8	523.2
63°	571.8	609.0	564.1	563.5	573.6	526.1	641.7	650.9	491.7	406.7	484.4
64°	512.1	557.5	518.0	518.9	527.4	481.6	589.0	588.3	453.0	382.4	448.1
65°	461.5	504.3	478.8	478.4	482.3	441.4	536.9	532.1	414.5	359.3	411.9
66°	419.0	456.9	439.6	439.7	439.9	405.3	487.6	481.5	380.6	335.9	378.3
67°	380.2	414.2	402.2	402.7	399.3	373.6	438.4	430.9	347.4	312.8	344.5
68°	343.9	372.7	364.4	365.0	359.6	342.7	389.1	380.6	315.0	290.7	311.6
69°	310.2	334.1	325.7	327.2	322.3	311.2	346.5	339.6	285.9	268.2	284.1
70°	277.6	297.1	290.8	291.7	287.3	281.7	312.5	305.1	259.5	246.4	273.5
71°	248.9	264.3	264.9	259.0	255.9	254.6	300.4	273.6	235.3	224.6	259.9
72°	221.1	234.7	259.6	230.0	227.1	228.9	268.3	244.0	212.5	203.4	233.7
73°	195.1	207.0	232.6	203.3	200.8	204.1	231.4	215.9	189.8	181.3	200.0
74°	172.5	181.7	196.9	179.7	177.7	181.3	198.3	189.7	168.4	160.4	172.9
75°	149.9	156.5	168.8	156.2	154.8	158.5	170.8	164.8	147.9	141.0	149.5
76°	127.3	131.3	140.9	132.7	131.8	135.8	147.7	142.3	128.3	122.3	127.8
77°	108.2	109.8	112.9	111.4	112.1	115.7	127.3	121.5	110.2	104.4	108.5
78°	89.2	88.9	94.2	92.6	94.7	97.6	109.6	102.3	93.3	86.6	91.2
79°	70.3	71.0	77.8	76.1	78.5	80.6	92.2	84.6	77.8	71.1	76.3
80°	54.8	55.2	61.9	61.4	62.8	65.3	75.0	68.8	63.3	57.7	62.5
81°	41.7	41.9	46.9	48.9	51.0	52.9	61.0	56.9	51.7	46.9	50.5
82°	31.0	31.8	35.9	36.6	39.0	41.5	49.3	44.9	40.1	36.2	38.6
83°	22.1	22.3	24.4	25.6	28.2	30.9	37.6	33.0	28.6	25.5	26.7
84°	15.5	15.6	17.2	18.4	20.7	22.8	25.9	24.1	21.2	18.6	18.5
85°	9.0	9.0	10.0	11.5	13.4	15.4	16.4	16.6	14.2	12.2	11.2
86°	2.3	2.4	2.8	4.5	6.1	9.1	8.8	8.9	7.5	6.5	5.8
87°	0.7	0.7	0.8	1.1	1.9	2.9	3.4	3.4	2.9	2.6	2.5
88°	0.3	0.3	0.3	0.3	0.5	0.7	0.8	0.9	1.0	1.0	1.1
89°	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4	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: P1440357

CATALOG NUMBER: XSF200-SFTR-5Hx5V-840-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: P1440357
CATALOG NUMBER: XSF200-SFTR-5Hx5V-840-Position 3

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: P1440357

CATALOG NUMBER: XSF200-SFTR-5Hx5V-840-Position 3

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	27096.2	27096.2	27096.2	27096.2	27096.2	27096.2	27096.2	27096.2	27096.2	27096.2	27096.2
1°	26953.5	26998.3	27017.4	27064.3	27096.2	27134.5	27164.3	27179.2	27175.0	27192.0	27198.4
2°	26710.8	26772.5	26834.3	26917.3	27015.3	27102.6	27179.2	27224.0	27245.3	27230.4	27209.1
3°	26410.5	26472.3	26570.2	26693.8	26847.1	26996.1	27145.2	27206.9	27241.0	27213.3	27147.3
4°	26067.7	26144.4	26259.4	26414.8	26632.0	26844.9	27057.9	27153.7	27200.5	27128.1	27002.5
5°	25716.4	25803.7	25922.9	26099.7	26363.7	26644.8	26913.1	27060.0	27106.8	26991.9	26810.9
6°	25365.0	25454.5	25575.8	25784.5	26067.7	26397.8	26721.4	26913.1	26942.9	26808.7	26568.1
7°	24994.5	25124.4	25258.6	25460.8	25752.6	26108.2	26474.4	26695.9	26723.6	26559.6	26295.6
8°	24638.9	24805.0	24954.1	25158.5	25437.4	25793.0	26174.2	26425.5	26459.5	26272.1	25982.5
9°	24257.8	24455.8	24647.4	24851.8	25111.6	25437.4	25818.6	26076.2	26110.3	25925.1	25637.6
10°	23808.5	24053.3	24279.0	24519.7	24749.6	25032.8	25386.3	25656.7	25701.5	25522.6	25299.0
11°	23299.5	23576.4	23851.0	24134.3	24368.5	24572.9	24877.4	25141.4	25205.3	25062.7	24924.2
12°	22701.2	22999.3	23320.8	23687.1	23932.0	24078.9	24304.6	24547.3	24628.3	24551.6	24519.7
13°	22007.0	22320.0	22701.2	23161.1	23442.2	23497.6	23676.4	23893.6	23978.8	23976.7	24066.1
14°	21232.3	21587.5	21994.2	22545.7	22858.8	22884.3	22971.6	23167.5	23263.3	23348.5	23552.9
15°	20406.8	20814.8	21251.1	21845.2	22211.4	22198.7	22217.8	22360.5	22501.0	22662.9	22969.5
16°	19541.6	20030.5	20461.9	21052.6	21430.0	21410.8	21393.8	21476.8	21655.7	21924.0	22305.1
17°	18655.2	19246.1	19681.7	20192.8	20556.7	20565.2	20486.6	20511.1	20741.3	21092.9	21517.3
18°	17708.7	18425.2	18866.4	19284.2	19595.5	19630.9	19503.3	19479.5	19739.0	20214.9	20635.7
19°	16693.6	17513.4	17997.6	18325.3	18546.4	18604.5	18439.9	18379.8	18679.9	19231.0	19640.4
20°	15590.6	16489.2	17011.9	17289.2	17410.3	17497.7	17310.5	17230.2	17543.0	18149.7	18582.4
21°	14409.4	15335.3	15903.0	16141.0	16202.1	16336.3	16129.5	16054.6	16374.8	17010.7	17434.4
22°	13175.5	14103.4	14694.6	14901.3	14964.1	15110.0	14929.8	14864.7	15197.3	15812.7	16239.0
23°	11952.6	12837.1	13430.3	13591.1	13659.0	13853.2	13716.3	13678.0	13998.7	14588.7	14975.8
24°	10755.0	11576.1	12119.7	12308.8	12389.3	12582.9	12504.1	12486.2	12818.4	13343.3	13698.0
25°	9651.8	10346.2	10871.3	11048.4	11122.8	11374.9	11303.5	11316.1	11654.5	12126.1	12423.8
26°	8627.1	9204.4	9665.0	9859.4	9939.7	10142.4	10121.7	10169.6	10497.6	10913.2	11191.3
27°	7753.0	8232.1	8624.2	8808.6	8862.6	9027.5	9025.1	9097.3	9404.1	9772.7	10012.9
28°	7014.6	7400.0	7698.9	7857.8	7894.4	7998.1	8027.3	8116.9	8374.0	8695.9	8922.1
29°	6433.7	6764.1	6981.3	7078.9	7068.6	7114.4	7169.4	7288.8	7490.9	7739.0	7945.3
30°	5976.9	6262.3	6403.6	6427.3	6374.5	6387.7	6476.0	6613.2	6758.2	6916.0	7086.3
31°	5614.9	5883.4	5975.0	5918.8	5817.4	5815.9	5931.6	6080.8	6180.9	6246.3	6392.8
32°	5329.6	5579.6	5621.1	5503.1	5376.7	5361.3	5500.6	5659.0	5725.2	5727.6	5824.7
33°	5095.8	5333.9	5352.8	5175.6	5012.7	5007.4	5155.0	5324.3	5357.9	5304.3	5371.8
34°	4894.1	5139.0	5117.9	4906.9	4724.6	4717.6	4877.3	5051.1	5066.4	4967.4	5010.2
35°	4720.4	4972.1	4918.8	4677.2	4473.6	4475.5	4640.5	4818.3	4822.2	4690.8	4709.3
36°	4560.9	4821.3	4742.5	4472.7	4257.9	4264.1	4435.7	4621.8	4610.1	4452.3	4461.0
37°	4405.2	4674.0	4574.3	4287.3	4080.5	4089.5	4255.5	4440.4	4414.8	4242.3	4244.7
38°	4242.6	4519.2	4408.9	4118.8	3902.9	3915.1	4095.6	4276.8	4235.1	4051.3	4052.8
39°	4073.9	4359.0	4239.6	3950.6	3725.3	3740.4	3935.7	4115.0	4065.8	3871.4	3872.5
40°	3905.3	4188.9	4054.3	3782.2	3544.8	3563.3	3775.8	3946.6	3887.6	3694.2	3695.9
41°	3736.4	4011.5	3869.3	3598.2	3364.4	3386.1	3601.6	3769.2	3705.7	3518.4	3522.4
42°	3537.7	3833.7	3683.2	3400.6	3182.6	3206.6	3419.1	3583.5	3511.1	3336.3	3344.2
43°	3343.3	3636.7	3471.3	3202.1	2996.0	3026.5	3232.6	3382.5	3304.4	3155.3	3161.3
44°	3151.3	3436.6	3261.3	2994.3	2804.4	2841.4	3045.4	3178.9	3086.9	2966.2	2979.2

REPORT NUMBER: P1440357

CATALOG NUMBER: XSF200-SFTR-5Hx5V-840-Position 3

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	2969.2	3242.8	3051.8	2791.8	2611.7	2642.5	2854.6	2979.8	2866.1	2775.4	2796.7
46°	2790.7	3055.6	2861.9	2603.6	2431.3	2450.3	2669.2	2787.3	2648.1	2578.7	2618.5
47°	2594.2	2844.4	2667.7	2435.6	2263.9	2265.4	2485.6	2611.2	2454.1	2390.6	2447.3
48°	2369.3	2625.9	2436.6	2228.2	2078.8	2067.5	2286.9	2420.5	2252.9	2213.5	2281.4
49°	2166.2	2427.1	2211.6	1992.1	1844.8	1830.0	2070.5	2223.3	2048.9	2028.3	2085.8
50°	1994.5	2292.3	2044.2	1780.5	1595.8	1619.8	1840.9	2018.6	1893.6	1841.9	1898.9
51°	1835.9	2120.8	1921.1	1606.4	1366.5	1437.7	1637.4	1870.3	1738.5	1655.5	1679.1
52°	1709.0	1944.9	1777.8	1415.3	1161.8	1246.8	1482.6	1722.6	1583.5	1469.2	1458.5
53°	1633.8	1844.3	1697.9	1321.3	1044.2	1124.3	1382.2	1574.9	1453.8	1334.0	1329.4
54°	1539.4	1751.4	1613.5	1214.3	921.9	1034.3	1309.3	1443.4	1324.5	1225.2	1230.5
55°	1442.4	1630.1	1483.5	1099.4	802.0	952.7	1250.6	1323.7	1202.8	1133.2	1137.9
56°	1305.6	1492.6	1343.1	990.9	703.3	885.7	1187.9	1225.3	1098.7	1062.1	1054.7
57°	1176.1	1348.7	1214.5	888.2	636.3	831.6	1105.3	1119.1	993.3	996.2	974.2
58°	1080.7	1224.8	1100.0	796.2	590.6	781.7	1024.3	1020.3	885.9	905.2	900.9
59°	978.4	1125.3	993.6	724.9	550.7	713.1	970.0	943.2	826.8	830.5	831.1
60°	871.1	1017.3	888.9	671.4	515.1	643.4	887.9	864.1	746.1	782.5	767.0
61°	783.5	905.0	792.8	607.3	481.9	590.8	797.4	781.1	656.7	718.1	706.1
62°	708.1	806.5	705.6	546.3	452.5	549.7	730.0	720.2	591.9	652.5	648.0
63°	636.8	716.0	635.0	497.2	423.1	509.2	677.4	666.6	536.1	590.3	595.7
64°	582.6	639.1	572.9	457.4	397.9	471.1	616.8	612.3	488.1	538.1	546.1
65°	529.5	569.4	520.1	417.7	374.0	433.0	560.5	561.6	449.9	494.0	500.6
66°	480.6	511.9	473.6	385.7	350.5	395.0	509.2	513.6	414.7	451.9	459.3
67°	431.6	454.5	427.2	354.2	326.9	362.3	459.8	467.0	383.6	412.5	420.5
68°	382.8	397.2	380.7	322.6	303.7	333.5	410.6	422.0	353.3	374.3	381.3
69°	340.4	348.0	339.3	292.8	281.4	304.3	369.7	379.4	323.8	337.1	342.0
70°	298.2	305.4	301.1	268.8	259.6	276.2	331.3	339.1	295.1	301.9	305.2
71°	261.4	268.7	266.2	252.5	237.5	249.8	297.4	303.7	267.2	267.9	271.7
72°	228.5	235.7	234.8	240.8	215.8	225.8	266.0	279.9	241.5	238.5	241.9
73°	198.6	204.6	205.4	212.9	193.8	203.2	236.6	256.6	216.9	211.5	214.1
74°	170.6	176.4	177.5	180.9	172.1	181.0	208.7	221.3	193.4	188.2	190.3
75°	145.4	151.2	151.5	155.1	151.4	159.9	182.0	188.5	171.4	164.9	165.5
76°	123.7	128.7	129.1	132.0	131.9	139.9	156.3	162.4	149.4	141.7	140.6
77°	104.3	108.9	109.0	112.4	113.2	120.5	134.2	136.4	127.4	121.2	119.4
78°	86.6	91.3	90.7	95.1	94.9	102.1	113.8	115.9	108.1	102.8	99.7
79°	71.1	75.3	74.3	80.2	78.5	86.2	95.5	97.9	90.9	86.6	82.7
80°	57.2	61.0	59.9	65.9	64.1	71.2	78.5	80.2	74.3	70.7	67.6
81°	47.3	50.6	49.4	53.8	52.6	58.5	63.6	64.9	59.1	56.6	54.0
82°	37.3	40.2	38.9	41.7	41.1	45.8	52.0	52.2	46.9	44.4	40.9
83°	27.4	29.8	28.5	29.6	29.7	33.2	40.5	40.6	35.3	32.9	29.1
84°	22.0	24.1	23.1	21.3	23.6	25.9	29.0	29.5	26.9	24.4	19.9
85°	15.8	17.2	16.7	13.4	17.0	19.2	21.2	19.6	20.1	17.5	13.4
86°	8.1	8.8	9.3	7.2	9.9	12.0	13.2	12.5	12.9	10.7	6.9
87°	2.8	2.9	3.3	3.1	4.1	5.0	5.9	5.5	5.6	3.8	2.1
88°	1.3	1.3	1.4	1.3	1.5	1.7	2.0	1.6	1.6	1.0	0.5
89°	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.4	0.4	0.3	0.2

REPORT NUMBER: P1440357

CATALOG NUMBER: XSF200-SFTR-5Hx5V-840-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: P1440357

CATALOG NUMBER: XSF200-SFTR-5Hx5V-840-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: P1440357
CATALOG NUMBER: XSF200-SFTR-5Hx5V-840-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: P1440357

CATALOG NUMBER: XSF200-SFTR-5Hx5V-840-Position 3

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	27096.2	27096.2	27096.2
1°	27166.5	27155.8	27123.9
2°	27147.3	27083.4	27023.8
3°	27036.6	26930.1	26836.4
4°	26838.5	26687.4	26574.5
5°	26587.3	26391.4	26259.4
6°	26304.1	26076.2	25920.8
7°	25993.2	25756.8	25586.5
8°	25675.9	25445.9	25288.4
9°	25377.8	25152.1	24981.7
10°	25069.0	24849.7	24655.9
11°	24743.3	24513.3	24276.9
12°	24398.3	24123.6	23823.4
13°	23976.7	23631.7	23284.6
14°	23478.4	23067.4	22673.5
15°	22882.2	22430.8	21998.5
16°	22209.3	21745.1	21293.7
17°	21470.4	21013.0	20548.6
18°	20643.6	20243.3	19772.9
19°	19750.3	19450.1	18968.8
20°	18787.0	18620.3	18119.4
21°	17737.6	17693.6	17173.8
22°	16624.0	16654.4	16118.9
23°	15391.5	15513.7	14970.3
24°	14115.8	14266.8	13751.9
25°	12837.1	12999.6	12529.4
26°	11562.0	11704.1	11293.5
27°	10345.5	10455.6	10100.0
28°	9201.4	9269.1	8985.5
29°	8172.9	8220.8	8033.0
30°	7291.2	7335.9	7246.5
31°	6577.8	6659.4	6628.3
32°	6014.0	6131.9	6146.0
33°	5568.3	5726.5	5775.9
34°	5215.9	5414.8	5482.9
35°	4927.1	5161.4	5246.1
36°	4695.7	4958.9	5049.4
37°	4495.9	4784.1	4879.7
38°	4310.5	4622.2	4722.1
39°	4130.5	4455.9	4561.7
40°	3952.5	4278.1	4389.7
41°	3771.7	4096.3	4210.4
42°	3578.4	3907.4	4017.1
43°	3392.5	3715.1	3813.5
44°	3206.2	3510.0	3600.3

REPORT NUMBER: P1440357

CATALOG NUMBER: XSF200-SFTR-5Hx5V-840-Position 3

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	3015.6	3297.8	3368.4
46°	2824.6	3081.2	3133.4
47°	2630.8	2870.2	2905.1
48°	2444.7	2660.2	2691.9
49°	2248.4	2437.5	2465.8
50°	2019.4	2210.1	2257.8
51°	1828.1	1963.8	2094.5
52°	1637.2	1790.1	1891.8
53°	1446.3	1618.3	1708.6
54°	1317.6	1446.5	1526.1
55°	1212.3	1340.3	1399.5
56°	1135.4	1235.5	1255.0
57°	1042.5	1113.3	1116.0
58°	952.7	1006.4	981.9
59°	872.0	916.7	888.1
60°	797.6	819.2	794.6
61°	732.5	733.2	710.5
62°	666.4	667.5	634.9
63°	602.8	606.0	571.8
64°	547.8	550.0	512.1
65°	499.3	497.5	461.5
66°	451.2	450.9	419.0
67°	404.3	411.7	380.2
68°	362.7	373.5	343.9
69°	323.5	337.1	310.2
70°	290.3	301.8	277.6
71°	260.2	269.8	248.9
72°	238.7	240.5	221.1
73°	228.2	211.7	195.1
74°	202.8	186.6	172.5
75°	169.5	161.5	149.9
76°	141.2	136.3	127.3
77°	121.7	114.6	108.2
78°	102.2	94.3	89.2
79°	82.7	75.6	70.3
80°	66.4	58.9	54.8
81°	50.8	44.3	41.7
82°	38.0	32.5	31.0
83°	27.1	23.7	22.1
84°	19.4	16.8	15.5
85°	11.7	10.0	9.0
86°	4.0	3.1	2.3
87°	1.0	0.8	0.7
88°	0.4	0.4	0.3
89°	0.2	0.2	0.2

REPORT NUMBER: P1440357

CATALOG NUMBER: XSF200-SFTR-5Hx5V-840-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: P1440357

CATALOG NUMBER: XSF200-SFTR-5Hx5V-840-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: P1440357

CATALOG NUMBER: XSF200-SFTR-5Hx5V-840-Position 3

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)