

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: P1440356

Luminaire Tested: XSF200-SFTR-5Hx5V-840-Position 2

Issue Date: 04/15/2026

Test Information

Test Method: LM-79-2024
Report Number: P1440356
Test Lab: THIRD PARTY NVLAP
Issue Date: 7/15/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XSF200-SFTR-5Hx5V-840-Position 2
Description: LUMARK ALL SELECTABLE LUMINAIRE 200W w/ NEMA 5 FLOOD DISTRIBUTION 4000K CCT
80 CRI LIGHT ENGINE AT Position 2
Light Source: (1) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25824.8 lumens
Efficiency: N/A
Efficacy: 166.6 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): 155
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

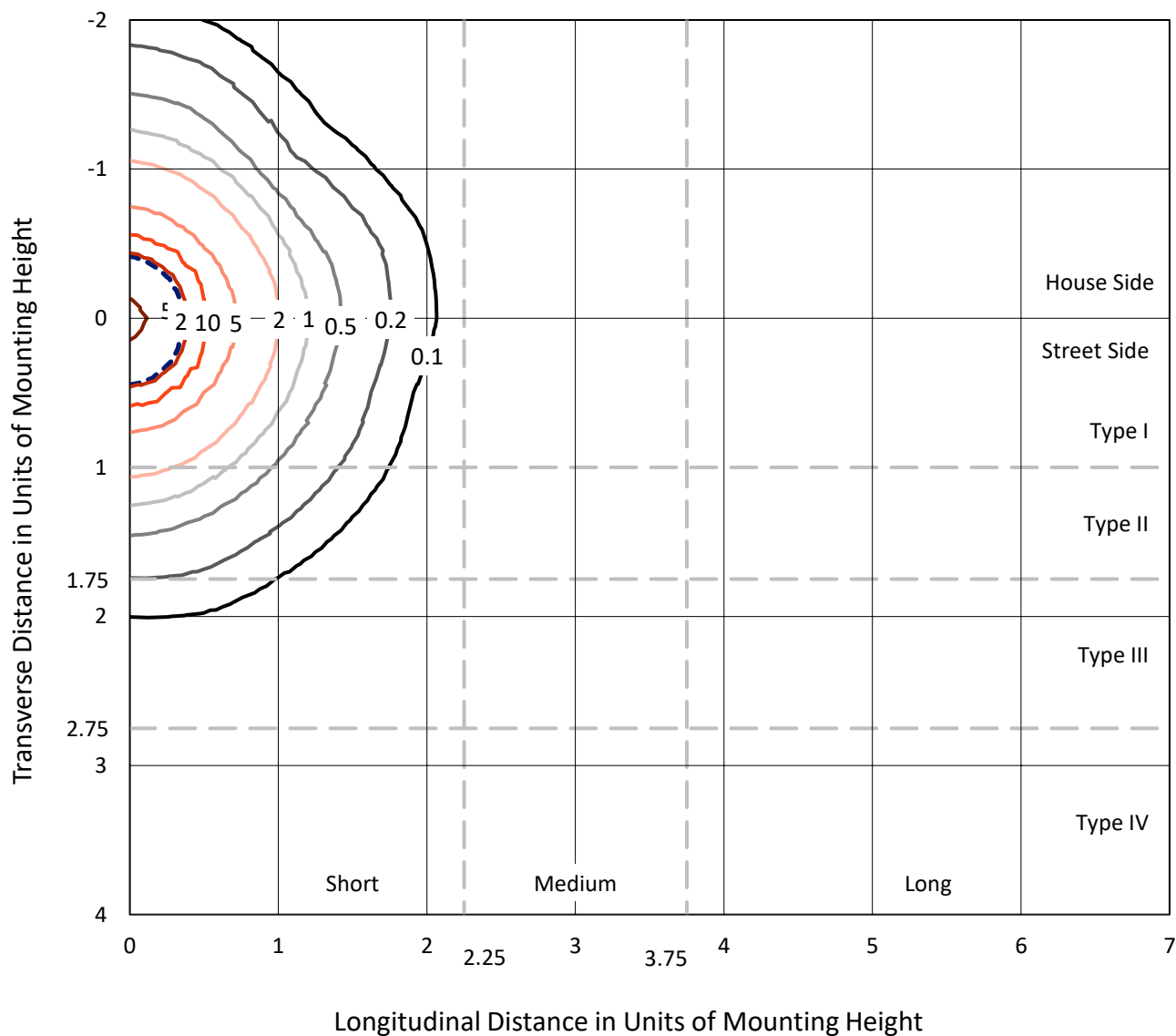
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



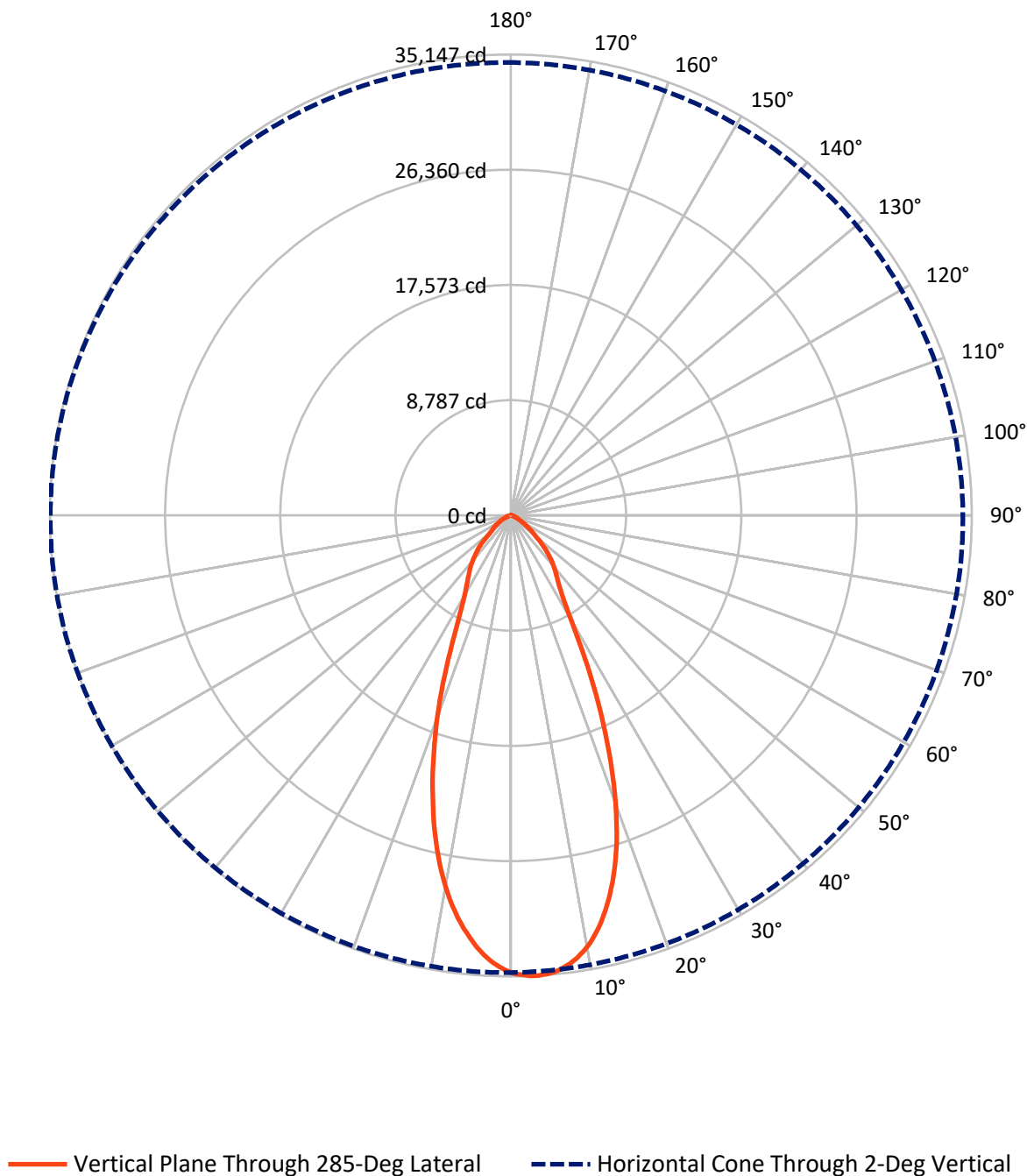
Based on 25 foot mounting height. Maximum calculated value = 55.9 fc

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	12547.3	0.0	12547.3
	% Fixture	48.6	0.0	48.6
Street Side	Lumens	13277.5	0.0	13277.5
	% Fixture	51.4	0.0	51.4
Total	Lumens	25824.8	0.0	25824.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3142.8	12.2
10°-20°	7428.6	28.8
20°-30°	6305.8	24.4
30°-40°	3856.2	14.9
40°-50°	2812.0	10.9
50°-60°	1396.4	5.4
60°-70°	628.6	2.4
70°-80°	225.9	0.9
80°-90°	28.5	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°	25824.8	100.0
0°-180°	25824.8	100.0

Coefficient of Utilization



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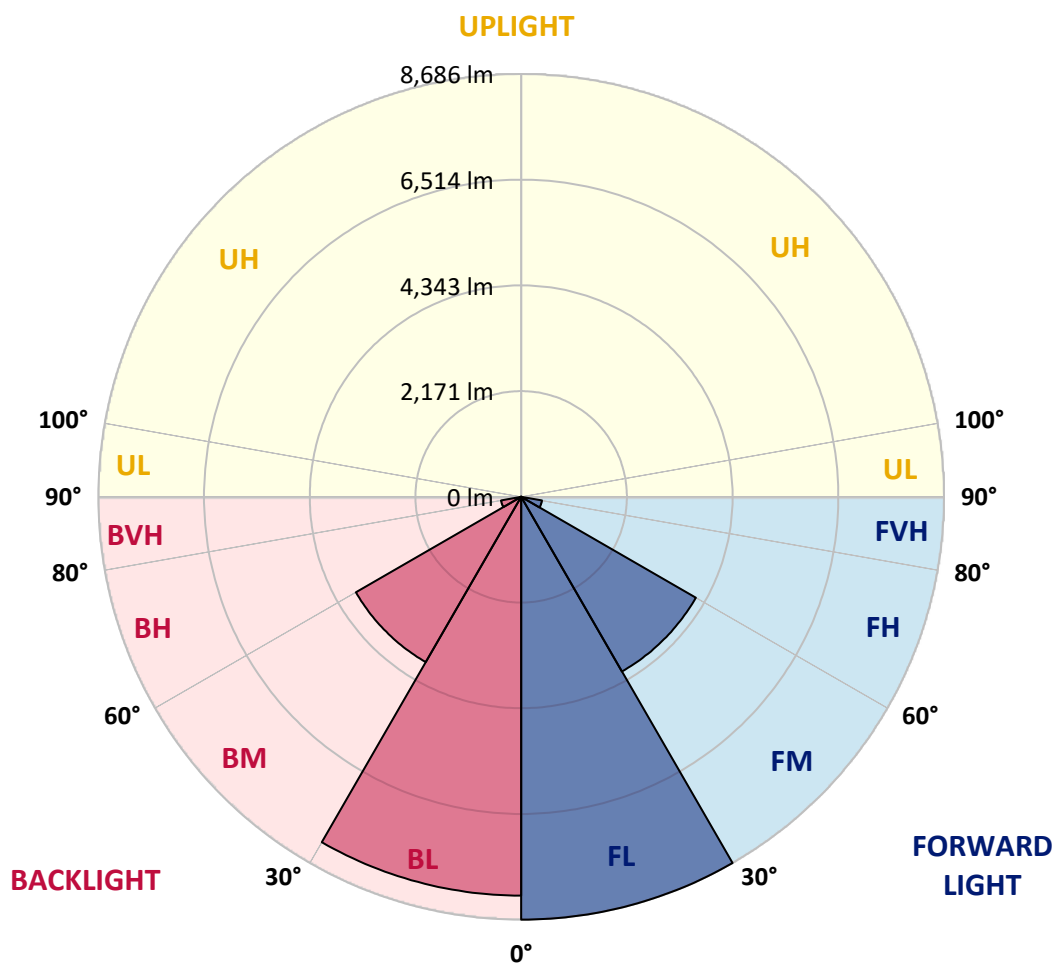
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	8685.8	33.6			
FM	(30°-60°)	4144.1	16.0			
FH	(60°-80°)	434.1	1.7			G0/660
FVH	(80°-90°)	13.6	0.1			G1/100
BL	(0°-30°)	8191.5	31.7	B5		
BM	(30°-60°)	3920.4	15.2	B3/5000		
BH	(60°-80°)	420.5	1.6	B1/500		G0/660
BVH	(80°-90°)	15.0	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°	34954.4	34954.4	34954.4	34954.4	34954.4	34954.4	34954.4	34954.4	34954.4	34954.4	34954.4
1°	34990.1	34937.9	34891.2	34852.7	34814.3	34784.1	34751.1	34715.4	34712.6	34720.9	34742.9
2°	34861.0	34764.8	34698.9	34646.7	34594.5	34528.6	34473.7	34418.7	34399.5	34407.7	34410.5
3°	34619.3	34503.9	34405.0	34328.1	34251.2	34174.3	34091.8	34036.9	34001.2	33998.5	34014.9
4°	34281.4	34122.1	34003.9	33927.0	33828.1	33748.5	33635.9	33567.2	33537.0	33539.7	33561.7
5°	33874.8	33721.0	33575.4	33449.1	33331.0	33237.6	33105.7	33020.6	32990.3	33017.8	33072.7
6°	33438.1	33265.0	33100.2	32929.9	32759.6	32627.7	32476.7	32377.8	32369.5	32443.7	32567.3
7°	33006.8	32809.0	32597.5	32358.5	32119.6	31949.3	31800.9	31699.3	31702.0	31822.9	32028.9
8°	32622.3	32375.0	32086.6	31757.0	31435.6	31210.3	31018.1	30938.4	30987.8	31177.4	31487.8
9°	32226.7	31938.3	31556.5	31111.5	30688.4	30394.5	30166.5	30103.3	30188.5	30465.9	30897.2
10°	31806.4	31463.1	30985.1	30435.7	29908.3	29532.0	29232.6	29191.4	29337.0	29707.8	30226.9
11°	31317.5	30938.4	30361.5	29713.3	29067.8	28578.8	28246.4	28205.2	28427.7	28875.5	29501.8
12°	30732.4	30298.4	29688.6	28919.4	28191.5	27592.7	27172.9	27158.1	27437.7	27980.0	28664.0
13°	30037.4	29573.2	28897.4	28054.1	27230.9	26513.1	26023.1	26025.3	26382.7	26995.5	27727.3
14°	29249.1	28716.2	27982.7	27117.5	26184.3	25372.6	24820.8	24832.0	25261.9	25925.8	26692.0
15°	28378.3	27806.9	26943.8	26081.9	25095.5	24176.6	23550.9	23591.2	24052.7	24773.8	25552.0
16°	27469.1	26773.3	25859.9	24969.9	23909.3	22927.3	22258.2	22285.1	22782.3	23563.5	24332.9
17°	26507.9	25700.0	24710.6	23774.2	22651.0	21619.0	20949.3	20983.9	21477.5	22259.3	23056.7
18°	25507.2	24607.6	23522.9	22515.0	21356.4	20313.9	19651.1	19645.6	20135.6	20916.6	21733.0
19°	24470.0	23470.4	22277.4	21180.8	20021.4	18984.1	18353.4	18341.1	18781.4	19491.2	20349.6
20°	23374.2	22257.9	20978.4	19827.4	18687.7	17688.7	17064.6	17041.8	17422.8	18038.1	18890.2
21°	22154.3	20933.6	19600.3	18455.6	17330.5	16386.4	15767.0	15731.5	16053.2	16572.9	17363.7
22°	20793.5	19566.2	18195.2	17064.9	15993.6	15075.3	14495.4	14439.1	14728.4	15127.5	15835.6
23°	19311.8	18079.3	16753.9	15651.9	14639.9	13781.2	13238.4	13156.0	13389.2	13716.4	14328.7
24°	17740.1	16559.7	15318.1	14265.8	13327.4	12540.7	12038.0	11945.7	12105.9	12350.9	12914.0
25°	16163.1	15085.5	13931.5	12946.2	12074.0	11390.0	10963.4	10823.1	10911.3	11098.3	11603.8
26°	14568.8	13617.0	12580.3	11678.5	10911.3	10355.3	10007.5	9851.8	9841.1	9986.6	10413.8
27°	13029.1	12237.2	11329.3	10517.6	9888.6	9474.9	9199.9	9032.4	8946.9	9020.6	9408.2
28°	11591.4	10956.9	10204.5	9504.0	8992.0	8713.5	8515.1	8333.3	8199.8	8228.9	8548.6
29°	10362.7	9864.7	9240.3	8643.7	8253.6	8071.5	7940.8	7758.6	7583.7	7571.6	7855.6
30°	9348.0	8940.6	8433.8	7919.3	7620.5	7536.4	7463.1	7275.2	7086.5	7039.2	7285.3
31°	8550.6	8220.9	7762.2	7313.6	7094.4	7092.5	7059.5	6881.0	6670.6	6601.1	6834.3
32°	7928.4	7640.0	7207.6	6823.9	6662.6	6717.6	6723.9	6534.6	6325.6	6238.2	6458.2
33°	7451.0	7185.1	6760.1	6406.9	6296.7	6397.3	6427.5	6238.2	6029.5	5922.3	6139.3
34°	7073.0	6824.4	6391.8	6052.8	5972.3	6115.7	6172.3	5976.4	5763.0	5654.0	5872.3
35°	6767.6	6522.0	6081.9	5741.9	5686.1	5854.8	5928.6	5730.9	5516.1	5404.3	5632.5
36°	6513.7	6264.3	5814.4	5460.0	5430.4	5618.2	5697.1	5502.9	5288.1	5177.6	5408.4
37°	6294.8	6031.9	5575.1	5213.9	5196.6	5391.4	5475.4	5292.5	5060.1	4950.7	5198.8
38°	6091.5	5808.6	5355.6	4989.8	4978.2	5169.7	5264.7	5081.8	4832.1	4723.9	4989.2
39°	5884.7	5586.7	5142.5	4771.4	4759.3	4945.5	5054.0	4870.8	4601.9	4489.8	4779.3
40°	5662.7	5364.4	4918.9	4547.2	4541.2	4708.7	4843.1	4644.2	4378.8	4261.3	4553.3
41°	5431.5	5135.3	4682.6	4321.2	4316.8	4469.5	4601.6	4422.0	4142.9	4036.6	4321.2
42°	5182.0	4892.5	4439.3	4093.4	4086.8	4214.0	4348.4	4181.6	3905.6	3809.1	4086.8
43°	4919.4	4635.4	4200.3	3858.6	3854.7	3950.6	4098.1	3952.2	3663.8	3575.1	3852.3
44°	4644.5	4367.9	3954.7	3631.1	3622.1	3695.7	3850.1	3722.9	3421.3	3345.7	3633.1

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CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	4345.3	4097.6	3711.9	3405.1	3401.5	3457.0	3613.8	3500.9	3192.7	3127.9	3418.8
46°	4042.1	3832.5	3469.3	3185.6	3184.8	3222.4	3358.1	3257.3	2960.9	2940.0	3218.0
47°	3747.6	3569.6	3232.6	2969.4	2942.8	2965.6	3085.6	2968.3	2673.5	2728.2	2996.3
48°	3472.6	3317.2	2982.9	2725.2	2690.6	2725.2	2828.8	2678.1	2385.2	2468.9	2724.3
49°	3180.9	3036.7	2689.0	2463.2	2463.3	2488.1	2588.2	2396.2	2129.7	2210.2	2422.6
50°	2912.5	2744.4	2441.8	2205.7	2236.1	2286.6	2377.3	2151.2	1861.9	1886.2	2153.5
51°	2701.9	2428.0	2196.1	1948.3	2008.8	2086.1	2207.1	1978.2	1656.5	1630.0	1894.0
52°	2440.4	2209.1	1950.5	1770.8	1835.2	1926.4	2055.7	1848.3	1511.1	1421.9	1710.0
53°	2204.1	1990.3	1757.0	1637.0	1670.0	1755.1	1917.1	1742.1	1384.4	1257.7	1595.0
54°	1968.6	1841.2	1621.7	1546.9	1518.0	1583.3	1760.4	1657.6	1277.9	1099.0	1470.6
55°	1805.4	1649.8	1480.6	1447.0	1399.5	1437.4	1621.4	1554.6	1180.0	962.2	1331.5
56°	1619.0	1487.7	1361.6	1328.3	1318.3	1326.3	1503.1	1456.6	1087.7	853.1	1189.1
57°	1439.7	1358.2	1244.4	1225.2	1244.8	1223.6	1382.9	1352.5	1014.7	779.4	1069.8
58°	1266.7	1233.4	1139.7	1127.6	1143.8	1106.6	1265.0	1276.6	942.4	725.6	964.1
59°	1145.7	1138.3	1049.5	1030.9	1064.5	1008.1	1159.9	1165.6	853.7	677.0	877.2
60°	1025.0	1071.3	967.8	942.4	979.1	885.7	1071.4	1054.5	784.7	633.4	803.0
61°	916.6	978.3	878.4	865.3	888.0	786.7	976.9	980.1	741.5	597.1	733.7
62°	819.1	875.7	796.4	792.6	807.9	728.7	892.6	910.2	686.8	560.9	674.9
63°	737.7	785.6	727.7	726.9	740.0	678.7	827.8	839.6	634.3	524.7	624.9
64°	660.7	719.2	668.2	669.3	680.4	621.3	759.8	758.9	584.4	493.3	578.1
65°	595.4	650.6	617.6	617.1	622.1	569.4	692.7	686.4	534.7	463.5	531.3
66°	540.5	589.4	567.1	567.2	567.5	522.9	629.1	621.1	490.9	433.3	488.0
67°	490.5	534.4	518.9	519.5	515.1	481.9	565.5	555.9	448.1	403.6	444.4
68°	443.6	480.7	470.1	470.9	463.9	442.0	501.9	490.9	406.4	375.0	401.9
69°	400.2	431.0	420.1	422.0	415.7	401.5	447.0	438.1	368.9	346.0	366.5
70°	358.1	383.3	375.1	376.4	370.6	363.4	403.1	393.6	334.8	317.9	352.8
71°	321.1	341.0	341.7	334.2	330.1	328.4	387.5	352.9	303.6	289.7	335.3
72°	285.2	302.7	334.9	296.6	293.0	295.3	346.2	314.8	274.1	262.3	301.5
73°	251.7	267.0	300.0	262.2	259.0	263.3	298.5	278.5	244.9	233.8	258.0
74°	222.5	234.5	254.1	231.8	229.3	233.9	255.8	244.7	217.2	207.0	223.1
75°	193.3	201.9	217.8	201.5	199.6	204.5	220.4	212.6	190.8	181.9	192.9
76°	164.2	169.3	181.7	171.2	170.0	175.2	190.6	183.6	165.6	157.7	164.8
77°	139.5	141.6	145.7	143.8	144.6	149.3	164.2	156.8	142.1	134.7	140.0
78°	115.1	114.6	121.6	119.5	122.1	125.9	141.4	132.0	120.4	111.7	117.6
79°	90.7	91.6	100.3	98.1	101.2	104.0	118.9	109.1	100.4	91.7	98.4
80°	70.7	71.2	79.9	79.2	81.0	84.2	96.8	88.8	81.7	74.4	80.6
81°	53.8	54.0	60.5	63.0	65.7	68.3	78.7	73.3	66.7	60.5	65.2
82°	40.0	41.0	46.2	47.2	50.3	53.5	63.6	57.9	51.7	46.7	49.8
83°	28.5	28.8	31.4	33.0	36.4	39.9	48.5	42.6	36.9	33.0	34.4
84°	20.0	20.2	22.2	23.8	26.7	29.3	33.4	31.1	27.3	24.0	23.8
85°	11.6	11.7	12.9	14.8	17.3	19.8	21.1	21.5	18.3	15.7	14.5
86°	3.0	3.2	3.7	5.8	7.9	11.8	11.4	11.5	9.7	8.4	7.4
87°	0.9	0.9	1.0	1.4	2.5	3.8	4.4	4.3	3.8	3.4	3.2
88°	0.4	0.4	0.4	0.4	0.6	0.8	1.1	1.1	1.2	1.3	1.5
89°	0.2	0.2	0.2	0.2	0.2	0.3	0.5	0.5	0.5	0.6	0.6



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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: P1440356

CATALOG NUMBER: XSF200-SFTR-5Hx5V-840-Position 2

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: P1440356
CATALOG NUMBER: XSF200-SFTR-5Hx5V-840-Position 2

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: P1440356

CATALOG NUMBER: XSF200-SFTR-5Hx5V-840-Position 2

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	34954.4	34954.4	34954.4	34954.4	34954.4	34954.4	34954.4	34954.4	34954.4	34954.4	34954.4
1°	34770.3	34828.0	34852.7	34913.2	34954.4	35003.8	35042.3	35061.5	35056.0	35078.0	35086.2
2°	34457.2	34536.8	34616.5	34723.6	34850.0	34962.6	35061.5	35119.2	35146.7	35127.4	35100.0
3°	34069.9	34149.5	34275.9	34435.2	34633.0	34825.3	35017.6	35097.2	35141.2	35105.5	35020.3
4°	33627.6	33726.5	33874.8	34075.4	34355.5	34630.2	34904.9	35028.5	35089.0	34995.6	34833.5
5°	33174.4	33287.0	33440.8	33668.8	34009.4	34372.0	34718.1	34907.7	34968.1	34819.8	34586.3
6°	32721.1	32836.5	32993.1	33262.3	33627.6	34053.4	34470.9	34718.1	34756.6	34583.5	34273.1
7°	32243.2	32410.7	32583.8	32844.7	33221.1	33679.8	34152.3	34438.0	34473.7	34262.2	33921.5
8°	31784.4	31998.7	32191.0	32454.7	32814.5	33273.3	33765.0	34089.1	34133.0	33891.3	33517.7
9°	31292.7	31548.2	31795.4	32059.1	32394.3	32814.5	33306.2	33638.6	33682.6	33443.6	33072.7
10°	30713.2	31029.0	31320.2	31630.6	31927.3	32292.6	32748.6	33097.5	33155.2	32924.4	32636.0
11°	30056.6	30413.7	30768.1	31133.4	31435.6	31699.3	32092.1	32432.7	32515.1	32331.1	32152.5
12°	29284.8	29669.3	30084.1	30556.6	30872.5	31062.0	31353.2	31666.3	31770.7	31671.8	31630.6
13°	28389.3	28793.1	29284.8	29878.1	30240.7	30312.1	30542.8	30823.0	30932.9	30930.2	31045.5
14°	27389.9	27848.1	28372.8	29084.2	29488.0	29521.0	29633.6	29886.3	30009.9	30119.8	30383.5
15°	26325.0	26851.3	27414.1	28180.5	28653.0	28636.5	28661.2	28845.3	29026.6	29235.3	29630.9
16°	25208.9	25839.6	26396.1	27158.1	27644.9	27620.1	27598.2	27705.3	27936.0	28282.1	28773.8
17°	24065.4	24827.6	25389.6	26048.9	26518.4	26529.3	26428.0	26459.6	26756.5	27210.0	27757.5
18°	22844.4	23768.7	24337.9	24876.8	25278.4	25324.0	25159.5	25128.7	25463.5	26077.5	26620.3
19°	21534.9	22592.5	23217.1	23639.9	23925.0	24000.0	23787.7	23710.2	24097.2	24808.1	25336.4
20°	20112.0	21271.2	21945.6	22303.2	22459.5	22572.1	22330.7	22227.1	22630.7	23413.2	23971.4
21°	18588.3	19782.7	20515.0	20822.1	20900.9	21074.0	20807.3	20710.6	21123.7	21943.9	22490.6
22°	16996.5	18193.6	18956.1	19222.8	19303.9	19492.0	19259.7	19175.6	19604.7	20398.5	20948.5
23°	15418.9	16560.0	17325.3	17532.7	17620.3	17870.8	17694.2	17644.7	18058.4	18819.6	19319.0
24°	13874.1	14933.3	15634.6	15878.5	15982.3	16232.0	16130.4	16107.3	16535.8	17212.9	17670.6
25°	12450.9	13346.7	14024.1	14252.6	14348.5	14673.7	14581.7	14597.9	15034.4	15642.8	16026.8
26°	11129.1	11873.8	12467.9	12718.7	12822.3	13083.8	13057.1	13118.9	13542.0	14078.2	14436.9
27°	10001.5	10619.5	11125.2	11363.1	11432.9	11645.5	11642.5	11735.6	12131.4	12606.9	12916.8
28°	9048.9	9546.0	9931.7	10136.6	10183.9	10317.7	10355.3	10470.9	10802.5	11217.8	11509.5
29°	8299.5	8725.8	9006.0	9131.8	9118.6	9177.7	9248.6	9402.7	9663.3	9983.4	10249.5
30°	7710.3	8078.4	8260.8	8291.3	8223.1	8240.2	8354.2	8531.1	8718.1	8921.7	9141.4
31°	7243.3	7589.7	7707.8	7635.3	7504.5	7502.6	7651.8	7844.3	7973.4	8057.8	8246.8
32°	6875.2	7197.7	7251.3	7099.1	6935.9	6916.2	7095.8	7300.2	7385.6	7388.6	7513.9
33°	6573.6	6880.7	6905.2	6676.6	6466.5	6459.6	6650.0	6868.4	6911.8	6842.5	6929.6
34°	6313.5	6629.4	6602.2	6330.0	6094.8	6085.8	6291.8	6515.9	6535.7	6408.0	6463.2
35°	6089.3	6414.0	6345.4	6033.6	5771.0	5773.4	5986.3	6215.7	6220.6	6051.2	6075.1
36°	5883.6	6219.5	6117.9	5769.9	5492.7	5500.7	5722.1	5962.2	5947.1	5743.5	5754.8
37°	5682.8	6029.5	5900.9	5530.6	5263.9	5275.4	5489.7	5728.1	5695.2	5472.7	5475.7
38°	5472.9	5829.8	5687.5	5313.3	5034.8	5050.5	5283.4	5517.2	5463.3	5226.3	5228.2
39°	5255.4	5623.2	5469.1	5096.3	4805.7	4825.2	5077.1	5308.4	5244.9	4994.1	4995.5
40°	5037.8	5403.7	5230.1	4879.1	4572.8	4596.7	4870.8	5091.1	5015.0	4765.6	4767.8
41°	4820.0	5174.9	4991.4	4641.7	4340.1	4368.1	4646.1	4862.3	4780.4	4538.7	4543.9
42°	4563.7	4945.5	4751.3	4386.8	4105.5	4136.6	4410.7	4622.8	4529.4	4303.9	4314.0
43°	4312.9	4691.4	4478.0	4130.8	3864.9	3904.2	4170.1	4363.5	4262.6	4070.4	4078.1
44°	4065.1	4433.2	4207.2	3862.7	3617.7	3665.5	3928.6	4100.9	3982.2	3826.4	3843.2

REPORT NUMBER: P1440356

CATALOG NUMBER: XSF200-SFTR-5Hx5V-840-Position 2

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	3830.3	4183.3	3936.9	3601.5	3369.1	3408.9	3682.5	3844.0	3697.3	3580.3	3607.8
46°	3600.1	3941.8	3691.8	3358.6	3136.4	3160.9	3443.2	3595.7	3416.1	3326.5	3377.9
47°	3346.6	3669.3	3441.3	3141.9	2920.5	2922.4	3206.5	3368.5	3165.8	3084.0	3157.0
48°	3056.5	3387.5	3143.3	2874.4	2681.6	2667.1	2950.2	3122.4	2906.2	2855.4	2943.0
49°	2794.4	3130.9	2852.9	2569.8	2379.8	2360.7	2671.0	2868.0	2643.0	2616.5	2690.6
50°	2572.9	2957.0	2637.0	2296.8	2058.6	2089.5	2374.8	2604.0	2442.7	2376.1	2449.6
51°	2368.4	2735.9	2478.2	2072.2	1762.8	1854.6	2112.3	2412.7	2242.7	2135.7	2166.1
52°	2204.7	2508.9	2293.4	1825.8	1498.7	1608.3	1912.6	2222.2	2042.7	1895.2	1881.5
53°	2107.7	2379.1	2190.3	1704.5	1347.0	1450.3	1783.0	2031.7	1875.4	1720.9	1714.9
54°	1985.8	2259.3	2081.5	1566.4	1189.3	1334.2	1689.1	1862.0	1708.6	1580.5	1587.4
55°	1860.7	2102.8	1913.7	1418.2	1034.6	1229.0	1613.3	1707.5	1551.6	1461.9	1467.9
56°	1684.3	1925.5	1732.7	1278.3	907.2	1142.5	1532.4	1580.7	1417.4	1370.1	1360.6
57°	1517.2	1739.8	1566.8	1145.8	820.9	1072.7	1425.9	1443.6	1281.3	1285.1	1256.8
58°	1394.1	1580.0	1419.1	1027.1	761.9	1008.4	1321.3	1316.2	1142.8	1167.8	1162.1
59°	1262.1	1451.6	1281.8	935.2	710.3	919.9	1251.3	1216.7	1066.6	1071.3	1072.1
60°	1123.7	1312.3	1146.7	866.1	664.4	830.0	1145.3	1114.6	962.5	1009.5	989.5
61°	1010.7	1167.4	1022.7	783.5	621.7	762.1	1028.6	1007.7	847.1	926.3	910.8
62°	913.5	1040.4	910.3	704.7	583.7	709.2	941.7	929.1	763.6	841.8	836.0
63°	821.5	923.6	819.2	641.4	545.8	656.8	873.9	859.9	691.6	761.5	768.4
64°	751.5	824.5	739.0	590.1	513.3	607.7	795.7	789.8	629.7	694.2	704.5
65°	683.1	734.6	670.9	538.8	482.5	558.5	723.0	724.4	580.3	637.3	645.8
66°	619.9	660.4	611.0	497.6	452.1	509.5	656.9	662.6	535.0	583.0	592.5
67°	556.8	586.3	551.1	456.9	421.7	467.4	593.1	602.5	494.8	532.1	542.4
68°	493.9	512.4	491.1	416.2	391.7	430.2	529.7	544.3	455.7	482.8	491.9
69°	439.1	448.9	437.6	377.7	363.1	392.5	476.9	489.4	417.7	434.8	441.2
70°	384.6	394.0	388.4	346.7	334.9	356.3	427.3	437.5	380.7	389.5	393.7
71°	337.2	346.6	343.4	325.7	306.4	322.2	383.6	391.7	344.7	345.5	350.6
72°	294.7	304.0	302.9	310.7	278.3	291.3	343.2	361.0	311.5	307.6	312.0
73°	256.3	263.9	265.0	274.6	250.1	262.1	305.3	331.1	279.8	272.9	276.2
74°	220.1	227.6	228.9	233.4	222.0	233.5	269.3	285.4	249.6	242.8	245.5
75°	187.6	195.0	195.5	200.1	195.3	206.3	234.8	243.2	221.1	212.8	213.5
76°	159.6	166.1	166.5	170.3	170.2	180.5	201.7	209.6	192.7	182.8	181.3
77°	134.5	140.5	140.6	145.0	146.0	155.5	173.1	175.9	164.3	156.3	154.0
78°	111.8	117.7	116.9	122.6	122.4	131.7	146.8	149.5	139.5	132.6	128.7
79°	91.7	97.1	95.9	103.4	101.2	111.2	123.2	126.3	117.3	111.8	106.7
80°	73.8	78.6	77.3	85.0	82.7	91.9	101.3	103.5	95.8	91.2	87.2
81°	61.0	65.2	63.7	69.3	67.9	75.5	82.0	83.7	76.2	73.0	69.6
82°	48.1	51.8	50.1	53.7	53.0	59.0	67.1	67.3	60.5	57.2	52.8
83°	35.4	38.4	36.7	38.1	38.3	42.8	52.3	52.4	45.5	42.5	37.5
84°	28.4	31.1	29.9	27.5	30.5	33.4	37.4	38.1	34.6	31.4	25.7
85°	20.4	22.2	21.5	17.3	21.9	24.7	27.3	25.3	25.9	22.6	17.3
86°	10.5	11.3	12.0	9.2	12.7	15.5	17.0	16.2	16.6	13.7	8.9
87°	3.6	3.8	4.3	4.0	5.3	6.4	7.6	7.1	7.3	4.9	2.7
88°	1.7	1.7	1.8	1.7	1.9	2.2	2.6	2.1	2.1	1.3	0.7
89°	0.6	0.6	0.7	0.8	0.8	0.8	0.7	0.6	0.5	0.4	0.3

REPORT NUMBER: P1440356

CATALOG NUMBER: XSF200-SFTR-5Hx5V-840-Position 2

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: P1440356

CATALOG NUMBER: XSF200-SFTR-5Hx5V-840-Position 2

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: P1440356
CATALOG NUMBER: XSF200-SFTR-5Hx5V-840-Position 2

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: P1440356

CATALOG NUMBER: XSF200-SFTR-5Hx5V-840-Position 2

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	34954.4	34954.4	34954.4
1°	35045.0	35031.3	34990.1
2°	35020.3	34937.9	34861.0
3°	34877.5	34740.1	34619.3
4°	34622.0	34427.0	34281.4
5°	34297.9	34045.1	33874.8
6°	33932.5	33638.6	33438.1
7°	33531.5	33226.6	33006.8
8°	33122.2	32825.5	32622.3
9°	32737.6	32446.4	32226.7
10°	32339.3	32056.4	31806.4
11°	31919.0	31622.4	31317.5
12°	31474.0	31119.7	30732.4
13°	30930.2	30485.2	30037.4
14°	30287.4	29757.2	29249.1
15°	29518.2	28935.9	28378.3
16°	28650.2	28051.4	27469.1
17°	27697.0	27107.0	26507.9
18°	26630.4	26114.0	25507.2
19°	25478.1	25090.8	24470.0
20°	24235.4	24020.3	23374.2
21°	22881.7	22824.9	22154.3
22°	21445.1	21484.4	20793.5
23°	19855.2	20012.9	19311.8
24°	18209.5	18404.3	17740.1
25°	16560.0	16769.6	16163.1
26°	14915.1	15098.4	14568.8
27°	13345.8	13487.9	13029.1
28°	11869.9	11957.3	11591.4
29°	10543.2	10605.0	10362.7
30°	9405.7	9463.4	9348.0
31°	8485.5	8590.7	8550.6
32°	7758.1	7910.3	7928.4
33°	7183.2	7387.3	7451.0
34°	6728.5	6985.1	7073.0
35°	6356.1	6658.2	6767.6
36°	6057.5	6397.0	6513.7
37°	5799.8	6171.5	6294.8
38°	5560.6	5962.7	6091.5
39°	5328.4	5748.2	5884.7
40°	5098.8	5518.8	5662.7
41°	4865.6	5284.2	5431.5
42°	4616.2	5040.6	5182.0
43°	4376.4	4792.5	4919.4
44°	4136.0	4528.0	4644.5

REPORT NUMBER: P1440356

CATALOG NUMBER: XSF200-SFTR-5Hx5V-840-Position 2

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	3890.2	4254.1	4345.3
46°	3643.8	3974.8	4042.1
47°	3393.8	3702.6	3747.6
48°	3153.7	3431.7	3472.6
49°	2900.5	3144.4	3180.9
50°	2605.1	2851.0	2912.5
51°	2358.2	2533.3	2701.9
52°	2112.0	2309.2	2440.4
53°	1865.7	2087.6	2204.1
54°	1699.8	1865.9	1968.6
55°	1563.8	1729.0	1805.4
56°	1464.7	1593.8	1619.0
57°	1344.8	1436.1	1439.7
58°	1229.0	1298.2	1266.7
59°	1124.9	1182.6	1145.7
60°	1028.9	1056.8	1025.0
61°	944.9	945.8	916.6
62°	859.7	861.1	819.1
63°	777.6	781.7	737.7
64°	706.7	709.6	660.7
65°	644.1	641.7	595.4
66°	582.0	581.7	540.5
67°	521.6	531.1	490.5
68°	467.8	481.8	443.6
69°	417.3	434.8	400.2
70°	374.4	389.4	358.1
71°	335.6	348.0	321.1
72°	307.9	310.3	285.2
73°	294.4	273.2	251.7
74°	261.6	240.7	222.5
75°	218.6	208.3	193.3
76°	182.2	175.9	164.2
77°	156.9	147.9	139.5
78°	131.8	121.6	115.1
79°	106.6	97.5	90.7
80°	85.6	76.0	70.7
81°	65.5	57.2	53.8
82°	49.0	41.9	40.0
83°	34.9	30.6	28.5
84°	25.0	21.7	20.0
85°	15.1	12.9	11.6
86°	5.2	4.1	3.0
87°	1.3	1.0	0.9
88°	0.5	0.5	0.4
89°	0.2	0.2	0.2

REPORT NUMBER: P1440356

CATALOG NUMBER: XSF200-SFTR-5Hx5V-840-Position 2

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: P1440356

CATALOG NUMBER: XSF200-SFTR-5Hx5V-840-Position 2

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: P1440356

CATALOG NUMBER: XSF200-SFTR-5Hx5V-840-Position 2

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)