

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: P1440315

Luminaire Tested: XSF100-SFTR-5Hx5V-830-Position 1

Issue Date: 04/15/2026

Test Information

Test Method: LM-79-2024
Report Number: P1440315
Test Lab: THIRD PARTY NVLAP
Issue Date: 7/15/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XSF100-SFTR-5Hx5V-830-Position 1
Description: LUMARK ALL SELECTABLE LUMINAIRE 100W w/ NEMA 5 FLOOD DISTRIBUTION 3000K CCT
80 CRI LIGHT ENGINE AT Position 1
Light Source: (1) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17011.9 lumens
Efficiency: N/A
Efficacy: 156.1 lumens/watt
Luminous Opening: Rectangular (W 0.4' x L: 0.4' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

Input Watts (W): 109
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

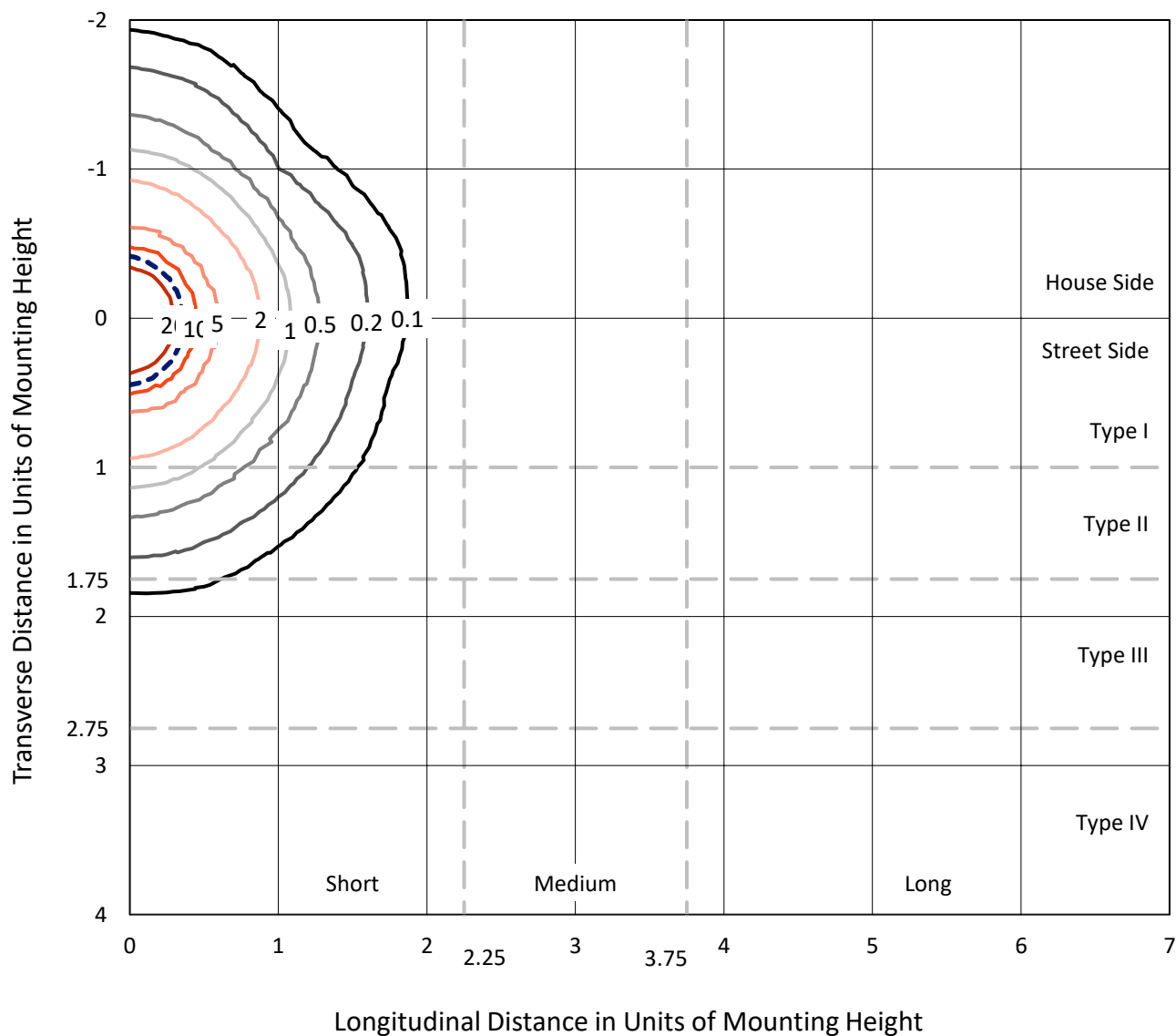
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



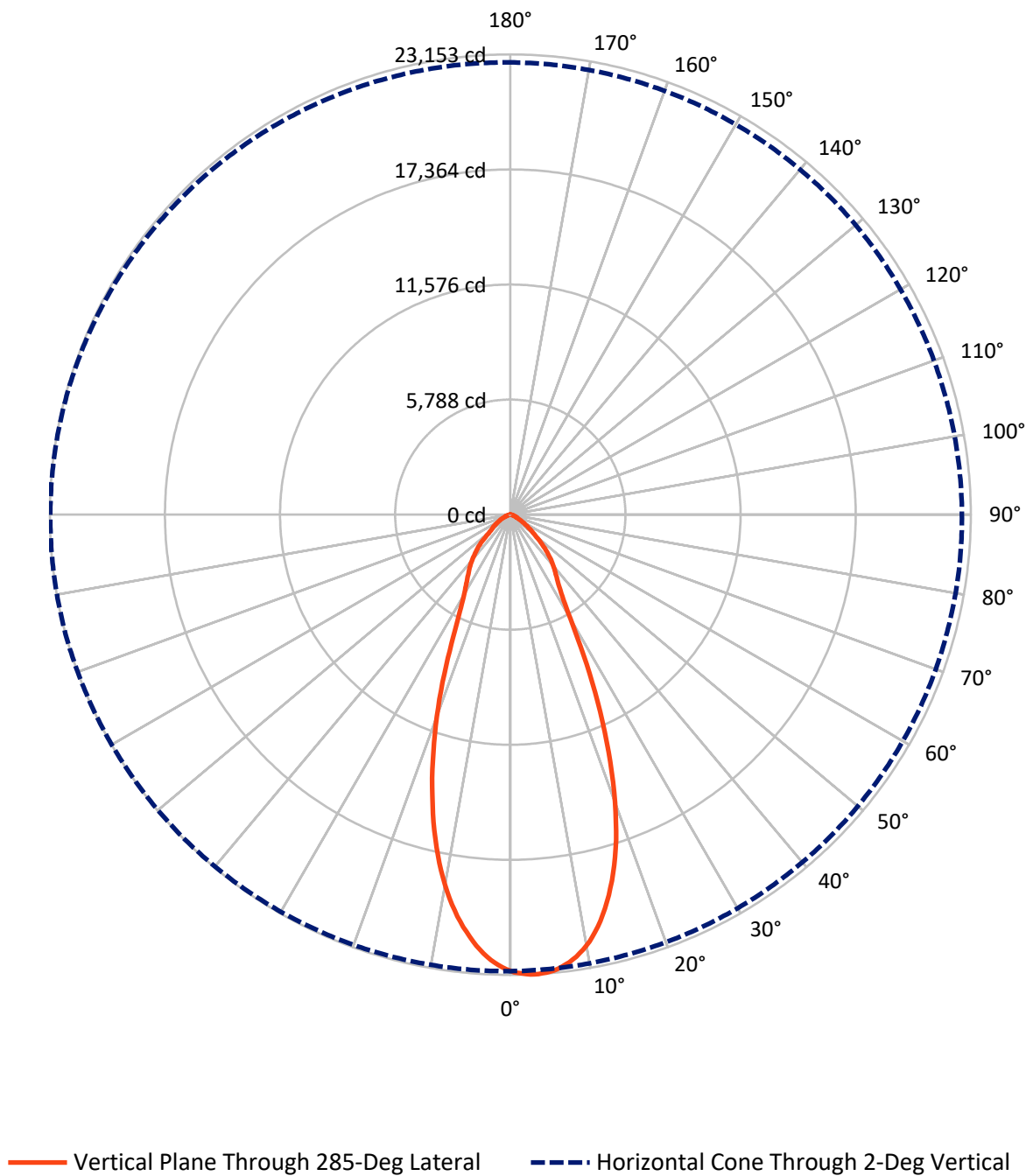
Based on 25 foot mounting height. Maximum calculated value = 36.8 fc

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	8265.4	0.0	8265.4
	% Fixture	48.6	0.0	48.6
Street Side	Lumens	8746.4	0.0	8746.4
	% Fixture	51.4	0.0	51.4
Total	Lumens	17011.9	0.0	17011.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2070.3	12.2
10°-20°	4893.5	28.8
20°-30°	4153.9	24.4
30°-40°	2540.2	14.9
40°-50°	1852.4	10.9
50°-60°	919.9	5.4
60°-70°	414.1	2.4
70°-80°	148.8	0.9
80°-90°	18.8	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°	17011.9	100.0
0°-180°	17011.9	100.0

Coefficient of Utilization



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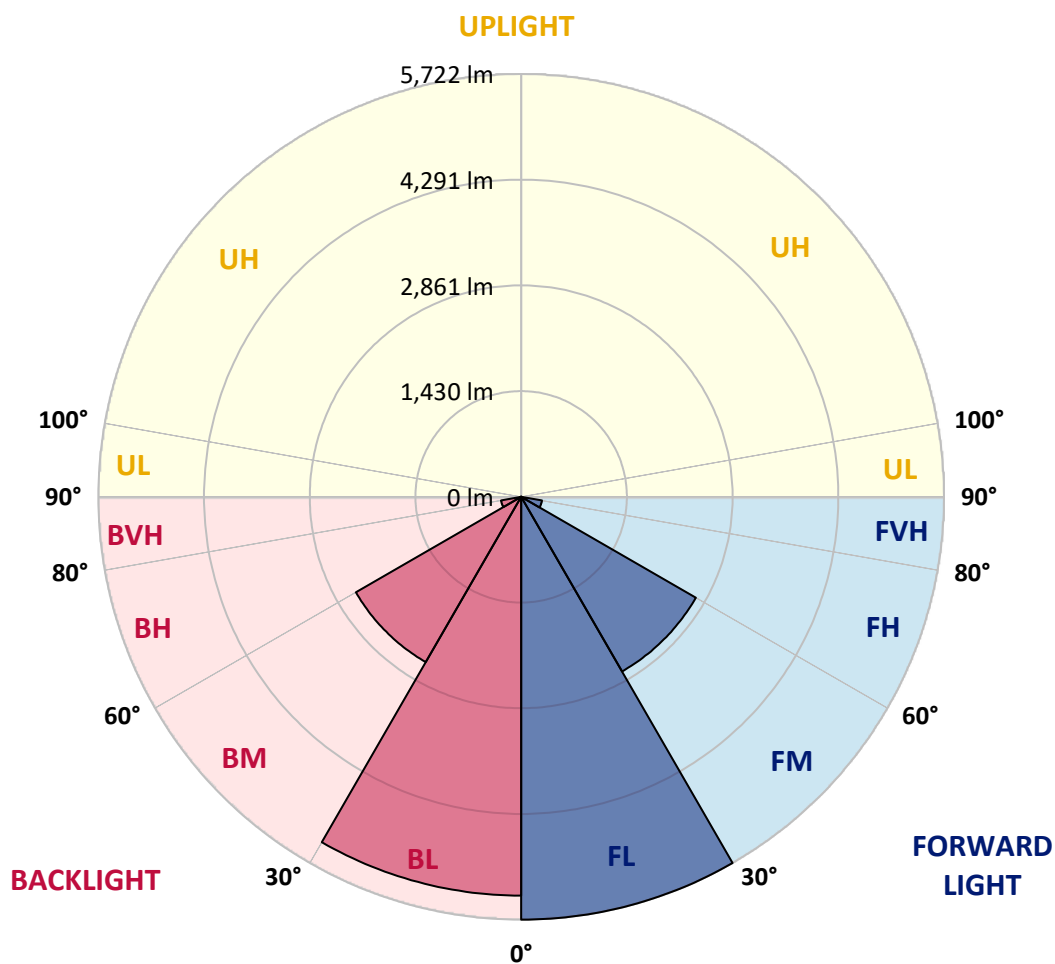
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5721.7	33.6			
FM	(30°-60°)	2729.9	16.0			
FH	(60°-80°)	285.9	1.7			G0/660
FVH	(80°-90°)	8.9	0.1			G0/10
BL	(0°-30°)	5396.1	31.7	B5		
BM	(30°-60°)	2582.5	15.2	B3/5000		
BH	(60°-80°)	277.0	1.6	B1/500		G0/660
BVH	(80°-90°)	9.9	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G0

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	23025.9	23025.9	23025.9	23025.9	23025.9	23025.9	23025.9	23025.9	23025.9	23025.9	23025.9
1°	23049.4	23015.0	22984.3	22959.0	22933.6	22913.7	22892.0	22868.5	22866.7	22872.1	22886.6
2°	22964.4	22901.0	22857.6	22823.2	22788.9	22745.4	22709.2	22673.0	22660.4	22665.8	22667.6
3°	22805.1	22729.1	22664.0	22613.3	22562.7	22512.0	22457.7	22421.5	22398.0	22396.2	22407.1
4°	22582.6	22477.6	22399.8	22349.1	22284.0	22231.5	22157.3	22112.1	22092.2	22094.0	22108.5
5°	22314.8	22213.4	22117.5	22034.3	21956.5	21895.0	21808.1	21752.0	21732.1	21750.2	21786.4
6°	22027.1	21913.1	21804.5	21692.3	21580.1	21493.3	21393.7	21328.6	21323.2	21372.0	21453.4
7°	21743.0	21612.7	21473.3	21315.9	21158.5	21046.3	20948.6	20881.6	20883.5	20963.1	21098.8
8°	21489.6	21326.8	21136.8	20919.6	20707.9	20559.6	20432.9	20380.4	20413.0	20537.8	20742.3
9°	21229.1	21039.1	20787.5	20494.4	20215.7	20022.1	19871.9	19830.3	19886.4	20069.2	20353.3
10°	20952.2	20726.0	20411.2	20049.3	19701.8	19453.9	19256.7	19229.6	19325.5	19569.8	19911.8
11°	20630.1	20380.4	20000.4	19573.4	19148.1	18826.0	18607.1	18580.0	18726.5	19021.5	19434.0
12°	20244.7	19958.8	19557.1	19050.4	18570.9	18176.4	17899.9	17890.2	18074.4	18431.6	18882.1
13°	19786.9	19481.1	19036.0	18480.4	17938.1	17465.3	17142.5	17143.9	17379.4	17783.1	18265.1
14°	19267.6	18916.5	18433.4	17863.4	17248.7	16714.0	16350.5	16357.9	16641.1	17078.4	17583.1
15°	18694.0	18317.6	17749.0	17181.2	16531.4	15926.1	15513.9	15540.5	15844.5	16319.5	16832.2
16°	18095.0	17636.7	17035.0	16448.7	15750.1	15103.2	14662.4	14680.1	15007.6	15522.3	16029.1
17°	17461.9	16929.7	16277.9	15661.1	14921.1	14241.3	13800.2	13823.0	14148.1	14663.1	15188.4
18°	16802.7	16210.1	15495.5	14831.6	14068.3	13381.6	12945.0	12941.4	13264.2	13778.6	14316.4
19°	16119.4	15460.9	14675.1	13952.7	13188.9	12505.6	12090.2	12082.0	12372.1	12839.7	13405.1
20°	15397.6	14662.2	13819.3	13061.2	12310.4	11652.3	11241.2	11226.1	11477.1	11882.5	12443.8
21°	14594.0	13789.8	12911.5	12157.5	11416.3	10794.4	10386.4	10363.0	10574.9	10917.3	11438.2
22°	13697.6	12889.1	11986.0	11241.3	10535.6	9930.7	9548.7	9511.6	9702.2	9965.1	10431.6
23°	12721.5	11909.6	11036.5	10310.5	9643.9	9078.3	8720.7	8666.4	8820.1	9035.6	9438.9
24°	11686.1	10908.6	10090.7	9397.5	8779.3	8261.1	7930.0	7869.2	7974.7	8136.1	8507.0
25°	10647.3	9937.4	9177.2	8528.2	7953.7	7503.1	7222.1	7129.6	7187.7	7310.9	7643.9
26°	9597.1	8970.1	8287.2	7693.1	7187.7	6821.5	6592.4	6489.8	6482.7	6578.6	6860.0
27°	8582.8	8061.1	7463.1	6928.4	6514.0	6241.5	6060.4	5950.0	5893.7	5942.2	6197.5
28°	7635.7	7217.7	6722.1	6260.7	5923.4	5739.9	5609.3	5489.5	5401.5	5420.7	5631.3
29°	6826.3	6498.3	6087.0	5694.0	5437.0	5317.0	5230.9	5110.9	4995.7	4987.7	5174.8
30°	6157.9	5889.6	5555.7	5216.8	5019.9	4964.5	4916.2	4792.5	4668.2	4637.0	4799.2
31°	5632.6	5415.5	5113.3	4817.8	4673.4	4672.1	4650.4	4532.8	4394.2	4348.4	4502.0
32°	5222.8	5032.8	4747.9	4495.2	4388.9	4425.1	4429.3	4304.6	4166.9	4109.4	4254.3
33°	4908.3	4733.1	4453.2	4220.5	4147.9	4214.1	4234.1	4109.4	3971.9	3901.3	4044.2
34°	4659.3	4495.5	4210.5	3987.2	3934.2	4028.7	4065.9	3936.9	3796.3	3724.5	3868.4
35°	4458.1	4296.3	4006.4	3782.4	3745.7	3856.8	3905.4	3775.2	3633.7	3560.0	3710.4
36°	4290.9	4126.6	3830.2	3596.7	3577.2	3701.0	3752.9	3625.0	3483.5	3410.7	3562.7
37°	4146.7	3973.5	3672.6	3434.6	3423.2	3551.5	3606.9	3486.4	3333.3	3261.3	3424.7
38°	4012.7	3826.4	3528.0	3287.0	3279.4	3405.5	3468.1	3347.6	3183.1	3111.8	3286.6
39°	3876.5	3680.2	3387.6	3143.1	3135.1	3257.8	3329.3	3208.6	3031.5	2957.6	3148.4
40°	3730.3	3533.8	3240.3	2995.4	2991.5	3101.8	3190.3	3059.3	2884.5	2807.1	2999.4
41°	3577.9	3382.9	3084.7	2846.5	2843.6	2944.2	3031.3	2912.9	2729.1	2659.1	2846.5
42°	3413.6	3222.9	2924.3	2696.5	2692.2	2776.0	2864.4	2754.6	2572.7	2509.2	2692.2
43°	3240.6	3053.5	2766.9	2541.8	2539.3	2602.4	2699.6	2603.5	2413.5	2355.1	2537.6
44°	3059.5	2877.3	2605.1	2392.0	2386.0	2434.5	2536.2	2452.4	2253.7	2204.0	2393.2

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CATALOG NUMBER: XSF100-SFTR-5Hx5V-830-Position 1

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	2862.4	2699.2	2445.2	2243.1	2240.7	2277.3	2380.6	2306.2	2103.2	2060.5	2252.1
46°	2662.7	2524.6	2285.4	2098.5	2097.9	2122.7	2212.1	2145.7	1950.5	1936.7	2119.8
47°	2468.7	2351.4	2129.4	1956.1	1938.5	1953.5	2032.6	1955.3	1761.2	1797.2	1973.8
48°	2287.6	2185.2	1964.9	1795.2	1772.4	1795.2	1863.4	1764.2	1571.2	1626.4	1794.6
49°	2095.4	2000.4	1771.4	1622.6	1622.7	1639.0	1705.0	1578.4	1402.9	1456.0	1595.9
50°	1918.6	1807.8	1608.5	1453.0	1473.0	1506.3	1566.1	1417.1	1226.5	1242.5	1418.6
51°	1779.9	1599.4	1446.7	1283.4	1323.3	1374.2	1453.9	1303.1	1091.2	1073.8	1247.7
52°	1607.6	1455.2	1284.9	1166.5	1208.9	1269.0	1354.2	1217.5	995.4	936.7	1126.5
53°	1451.9	1311.1	1157.4	1078.4	1100.1	1156.1	1262.9	1147.6	912.0	828.5	1050.7
54°	1296.8	1212.9	1068.3	1019.0	1000.0	1043.0	1159.7	1091.9	841.8	723.9	968.7
55°	1189.3	1086.8	975.4	953.2	921.9	946.9	1068.1	1024.1	777.3	633.8	877.1
56°	1066.5	980.0	897.0	875.0	868.4	873.7	990.2	959.5	716.5	561.9	783.3
57°	948.4	894.7	819.7	807.1	820.0	806.0	911.0	890.9	668.4	513.4	704.7
58°	834.4	812.5	750.8	742.8	753.5	729.0	833.3	841.0	620.8	478.0	635.1
59°	754.7	749.9	691.3	679.1	701.2	664.1	764.0	767.8	562.4	446.0	577.8
60°	675.2	705.7	637.5	620.8	645.0	583.4	705.8	694.6	516.9	417.2	529.0
61°	603.8	644.4	578.6	570.0	585.0	518.2	643.5	645.6	488.5	393.3	483.3
62°	539.6	576.8	524.6	522.1	532.2	480.0	588.0	599.6	452.4	369.5	444.6
63°	485.9	517.5	479.4	478.9	487.4	447.1	545.3	553.1	417.8	345.6	411.6
64°	435.2	473.7	440.2	440.9	448.2	409.3	500.5	499.9	385.0	325.0	380.8
65°	392.2	428.6	406.8	406.5	409.8	375.1	456.3	452.1	352.2	305.4	350.0
66°	356.0	388.3	373.6	373.6	373.9	344.4	414.4	409.2	323.4	285.4	321.5
67°	323.1	352.0	341.8	342.2	339.3	317.5	372.5	366.2	295.2	265.9	292.8
68°	292.2	316.7	309.7	310.2	305.6	291.2	330.7	323.4	267.7	247.0	264.8
69°	263.6	283.9	276.8	278.0	273.8	264.5	294.5	288.6	243.0	227.9	241.4
70°	235.9	252.5	247.1	247.9	244.1	239.4	265.5	259.3	220.5	209.4	232.4
71°	211.5	224.6	225.1	220.1	217.4	216.3	255.3	232.5	200.0	190.9	220.8
72°	187.9	199.4	220.6	195.4	193.0	194.6	228.0	207.4	180.5	172.8	198.6
73°	165.8	175.9	197.6	172.7	170.6	173.4	196.6	183.4	161.3	154.0	170.0
74°	146.5	154.4	167.4	152.7	151.0	154.1	168.5	161.2	143.1	136.3	146.9
75°	127.3	133.0	143.5	132.8	131.5	134.7	145.2	140.1	125.7	119.8	127.1
76°	108.1	111.6	119.7	112.8	112.0	115.4	125.5	121.0	109.1	103.9	108.6
77°	91.9	93.3	96.0	94.7	95.3	98.3	108.1	103.3	93.6	88.7	92.2
78°	75.8	75.5	80.1	78.7	80.5	83.0	93.1	87.0	79.3	73.6	77.5
79°	59.8	60.3	66.1	64.7	66.7	68.5	78.3	71.9	66.1	60.4	64.8
80°	46.6	46.9	52.6	52.1	53.4	55.4	63.7	58.5	53.8	49.0	53.1
81°	35.5	35.6	39.8	41.5	43.3	45.0	51.8	48.3	43.9	39.9	42.9
82°	26.4	27.0	30.5	31.1	33.1	35.2	41.9	38.1	34.1	30.8	32.8
83°	18.8	19.0	20.7	21.7	24.0	26.3	31.9	28.0	24.3	21.7	22.7
84°	13.2	13.3	14.6	15.7	17.6	19.3	22.0	20.5	18.0	15.8	15.7
85°	7.6	7.7	8.5	9.8	11.4	13.1	13.9	14.1	12.1	10.4	9.5
86°	2.0	2.1	2.4	3.8	5.2	7.8	7.5	7.6	6.4	5.5	4.9
87°	0.6	0.6	0.6	0.9	1.6	2.5	2.9	2.9	2.5	2.2	2.1
88°	0.3	0.3	0.3	0.3	0.4	0.6	0.7	0.8	0.8	0.9	1.0
89°	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.4	0.4

REPORT NUMBER: P1440315

CATALOG NUMBER: XSF100-SFTR-5Hx5V-830-Position 1

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: P1440315

CATALOG NUMBER: XSF100-SFTR-5Hx5V-830-Position 1

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: P1440315
CATALOG NUMBER: XSF100-SFTR-5Hx5V-830-Position 1

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: P1440315

CATALOG NUMBER: XSF100-SFTR-5Hx5V-830-Position 1

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	23025.9	23025.9	23025.9	23025.9	23025.9	23025.9	23025.9	23025.9	23025.9	23025.9	23025.9
1°	22904.7	22942.7	22959.0	22998.8	23025.9	23058.5	23083.8	23096.5	23092.9	23107.3	23112.8
2°	22698.4	22750.9	22803.3	22873.9	22957.1	23031.3	23096.5	23134.5	23152.6	23139.9	23121.8
3°	22443.2	22495.7	22579.0	22683.9	22814.2	22940.9	23067.5	23120.0	23148.9	23125.4	23069.3
4°	22151.9	22217.1	22314.8	22446.9	22631.4	22812.4	22993.3	23074.8	23114.6	23053.0	22946.3
5°	21853.3	21927.5	22028.9	22179.1	22403.4	22642.3	22870.3	22995.1	23034.9	22937.2	22783.4
6°	21554.8	21630.8	21733.9	21911.2	22151.9	22432.4	22707.4	22870.3	22895.6	22781.6	22577.1
7°	21239.9	21350.3	21464.3	21636.2	21884.1	22186.3	22497.5	22685.7	22709.2	22569.9	22345.5
8°	20937.7	21078.9	21205.5	21379.3	21616.3	21918.5	22242.4	22455.9	22484.9	22325.6	22079.5
9°	20613.8	20782.1	20945.0	21118.7	21339.4	21616.3	21940.2	22159.2	22188.1	22030.7	21786.4
10°	20232.0	20440.1	20631.9	20836.4	21031.8	21272.5	21572.9	21802.7	21840.7	21688.7	21498.7
11°	19799.6	20034.8	20268.2	20508.9	20707.9	20881.6	21140.4	21364.8	21419.1	21297.8	21180.2
12°	19291.1	19544.4	19817.7	20128.9	20337.0	20461.8	20653.6	20859.9	20928.7	20863.5	20836.4
13°	18701.2	18967.2	19291.1	19681.9	19920.8	19967.8	20119.8	20304.4	20376.8	20375.0	20451.0
14°	18042.9	18344.7	18690.3	19159.0	19425.0	19446.7	19520.9	19687.4	19768.8	19841.2	20014.9
15°	17341.4	17688.1	18058.8	18563.7	18874.9	18864.0	18880.3	19001.6	19121.0	19258.5	19519.1
16°	16606.2	17021.6	17388.2	17890.2	18210.8	18194.5	18180.1	18250.6	18402.6	18630.6	18954.5
17°	15852.9	16355.0	16725.2	17159.5	17468.7	17476.0	17409.2	17430.0	17625.6	17924.4	18285.0
18°	15048.5	15657.4	16032.4	16387.4	16651.9	16682.0	16573.6	16553.3	16773.9	17178.3	17535.9
19°	14185.9	14882.6	15294.1	15572.6	15760.4	15809.8	15669.9	15618.9	15873.8	16342.1	16690.1
20°	13248.6	14012.2	14456.5	14692.1	14795.0	14869.2	14710.2	14641.9	14907.8	15423.3	15791.0
21°	12244.9	13031.7	13514.1	13716.4	13768.3	13882.3	13706.6	13642.9	13915.1	14455.4	14815.5
22°	11196.3	11984.9	12487.2	12662.9	12716.3	12840.2	12687.1	12631.8	12914.4	13437.4	13799.6
23°	10157.1	10908.8	11412.9	11549.5	11607.2	11772.3	11655.9	11623.3	11895.8	12397.3	12726.2
24°	9139.4	9837.2	10299.1	10459.8	10528.2	10692.7	10625.8	10610.6	10892.8	11338.9	11640.3
25°	8201.9	8792.0	9238.2	9388.8	9451.9	9666.2	9605.6	9616.2	9903.8	10304.6	10557.5
26°	7331.2	7821.7	8213.1	8378.4	8446.6	8618.8	8601.3	8642.0	8920.7	9273.9	9510.2
27°	6588.4	6995.5	7328.7	7485.4	7531.3	7671.4	7669.4	7730.7	7991.5	8304.7	8508.8
28°	5960.9	6288.4	6542.4	6677.4	6708.5	6796.7	6821.5	6897.6	7116.0	7389.6	7581.8
29°	5467.2	5748.1	5932.6	6015.5	6006.8	6045.7	6092.4	6193.9	6365.6	6576.5	6751.8
30°	5079.1	5321.6	5441.7	5461.8	5416.9	5428.1	5503.2	5619.8	5743.0	5877.1	6021.8
31°	4771.5	4999.7	5077.5	5029.7	4943.6	4942.3	5040.5	5167.4	5252.4	5308.0	5432.5
32°	4529.0	4741.4	4776.7	4676.5	4569.0	4556.0	4674.3	4808.9	4865.2	4867.2	4949.7
33°	4330.3	4532.6	4548.7	4398.2	4259.7	4255.2	4380.6	4524.5	4553.1	4507.5	4564.8
34°	4159.0	4367.0	4349.1	4169.8	4014.9	4008.9	4144.7	4292.3	4305.3	4221.2	4257.6
35°	4011.3	4225.2	4179.9	3974.6	3801.6	3803.2	3943.4	4094.5	4097.8	3986.2	4001.9
36°	3875.8	4097.1	4030.1	3800.9	3618.3	3623.5	3769.4	3927.5	3917.6	3783.5	3790.9
37°	3743.5	3971.9	3887.2	3643.2	3467.5	3475.1	3616.3	3773.4	3751.6	3605.1	3607.1
38°	3605.3	3840.3	3746.6	3500.1	3316.6	3326.9	3480.4	3634.4	3598.9	3442.8	3444.0
39°	3461.9	3704.2	3602.7	3357.2	3165.7	3178.6	3344.5	3496.9	3455.1	3289.9	3290.8
40°	3318.6	3559.7	3445.3	3214.0	3012.3	3028.0	3208.6	3353.7	3303.6	3139.3	3140.8
41°	3175.1	3408.9	3288.0	3057.7	2859.0	2877.5	3060.6	3203.0	3149.1	2989.8	2993.3
42°	3006.3	3257.8	3129.9	2889.8	2704.5	2724.9	2905.5	3045.2	2983.7	2835.1	2841.8
43°	2841.1	3090.4	2949.8	2721.1	2546.0	2571.8	2747.0	2874.4	2808.0	2681.3	2686.4
44°	2677.9	2920.4	2771.4	2544.5	2383.1	2414.6	2587.9	2701.4	2623.2	2520.6	2531.7

REPORT NUMBER: P1440315

CATALOG NUMBER: XSF100-SFTR-5Hx5V-830-Position 1

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	2523.2	2755.7	2593.4	2372.4	2219.4	2245.6	2425.8	2532.2	2435.6	2358.5	2376.6
46°	2371.5	2596.6	2432.0	2212.5	2066.1	2082.2	2268.2	2368.6	2250.3	2191.3	2225.1
47°	2204.5	2417.1	2266.9	2069.7	1923.9	1925.1	2112.2	2219.0	2085.5	2031.5	2079.7
48°	2013.4	2231.5	2070.6	1893.5	1766.5	1756.9	1943.4	2056.9	1914.5	1881.0	1938.7
49°	1840.8	2062.5	1879.3	1692.8	1567.7	1555.1	1759.5	1889.3	1741.1	1723.6	1772.4
50°	1694.9	1947.9	1737.1	1513.0	1356.1	1376.5	1564.3	1715.3	1609.1	1565.2	1613.6
51°	1560.1	1802.2	1632.5	1365.1	1161.2	1221.7	1391.5	1589.4	1477.4	1406.9	1426.9
52°	1452.3	1652.7	1510.7	1202.7	987.3	1059.5	1259.9	1463.9	1345.6	1248.5	1239.4
53°	1388.4	1567.2	1442.8	1122.8	887.3	955.4	1174.6	1338.3	1235.4	1133.6	1129.7
54°	1308.1	1488.3	1371.2	1031.9	783.4	878.9	1112.7	1226.6	1125.5	1041.1	1045.7
55°	1225.7	1385.2	1260.6	934.2	681.5	809.6	1062.7	1124.8	1022.1	963.0	967.0
56°	1109.5	1268.4	1141.4	842.1	597.6	752.6	1009.5	1041.3	933.7	902.5	896.3
57°	999.5	1146.1	1032.1	754.8	540.7	706.7	939.3	951.0	844.1	846.5	827.9
58°	918.4	1040.8	934.8	676.6	501.9	664.3	870.4	867.1	752.8	769.3	765.5
59°	831.4	956.2	844.3	616.0	467.9	605.9	824.3	801.5	702.6	705.7	706.3
60°	740.2	864.5	755.4	570.5	437.7	546.8	754.5	734.3	634.0	665.0	651.8
61°	665.8	769.0	673.7	516.1	409.5	502.0	677.6	663.8	558.0	610.2	600.0
62°	601.7	685.3	599.6	464.2	384.5	467.2	620.3	612.0	503.0	554.5	550.7
63°	541.2	608.4	539.6	422.5	359.5	432.7	575.7	566.5	455.6	501.6	506.2
64°	495.0	543.1	486.8	388.7	338.1	400.3	524.2	520.3	414.8	457.3	464.1
65°	450.0	483.9	442.0	354.9	317.9	367.9	476.3	477.2	382.3	419.8	425.4
66°	408.4	435.0	402.5	327.8	297.8	335.6	432.7	436.5	352.4	384.0	390.3
67°	366.8	386.2	363.0	301.0	277.8	307.9	390.7	396.9	325.9	350.5	357.3
68°	325.3	337.5	323.5	274.1	258.1	283.4	349.0	358.6	300.2	318.0	324.1
69°	289.3	295.7	288.3	248.8	239.2	258.6	314.2	322.4	275.2	286.4	290.6
70°	253.4	259.6	255.9	228.4	220.6	234.7	281.5	288.2	250.8	256.6	259.3
71°	222.2	228.3	226.2	214.5	201.8	212.3	252.7	258.1	227.0	227.6	230.9
72°	194.2	200.3	199.5	204.7	183.4	191.9	226.1	237.8	205.2	202.6	205.5
73°	168.8	173.9	174.5	180.9	164.7	172.7	201.1	218.1	184.3	179.7	181.9
74°	145.0	149.9	150.8	153.8	146.2	153.8	177.4	188.0	164.4	159.9	161.8
75°	123.6	128.5	128.8	131.8	128.7	135.9	154.7	160.2	145.7	140.2	140.6
76°	105.1	109.4	109.7	112.2	112.1	118.9	132.9	138.0	127.0	120.4	119.5
77°	88.6	92.6	92.6	95.5	96.2	102.4	114.0	115.9	108.3	103.0	101.4
78°	73.6	77.6	77.0	80.8	80.6	86.7	96.7	98.5	91.9	87.3	84.7
79°	60.4	64.0	63.2	68.1	66.7	73.3	81.2	83.2	77.3	73.6	70.3
80°	48.6	51.8	50.9	56.0	54.5	60.5	66.7	68.2	63.1	60.1	57.4
81°	40.2	43.0	42.0	45.7	44.7	49.7	54.0	55.1	50.2	48.1	45.9
82°	31.7	34.1	33.0	35.4	34.9	38.9	44.2	44.4	39.8	37.7	34.8
83°	23.3	25.3	24.2	25.1	25.3	28.2	34.4	34.5	30.0	28.0	24.7
84°	18.7	20.5	19.7	18.1	20.1	22.0	24.6	25.1	22.8	20.7	16.9
85°	13.4	14.6	14.2	11.4	14.4	16.3	18.0	16.7	17.1	14.9	11.4
86°	6.9	7.5	7.9	6.1	8.4	10.2	11.2	10.6	10.9	9.1	5.9
87°	2.4	2.5	2.8	2.6	3.5	4.2	5.0	4.7	4.8	3.2	1.8
88°	1.1	1.1	1.2	1.1	1.2	1.5	1.7	1.4	1.4	0.9	0.5
89°	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.3	0.2	0.2

REPORT NUMBER: P1440315

CATALOG NUMBER: XSF100-SFTR-5Hx5V-830-Position 1

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: P1440315

CATALOG NUMBER: XSF100-SFTR-5Hx5V-830-Position 1

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: P1440315
CATALOG NUMBER: XSF100-SFTR-5Hx5V-830-Position 1

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: P1440315

CATALOG NUMBER: XSF100-SFTR-5Hx5V-830-Position 1

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	23025.9	23025.9	23025.9
1°	23085.6	23076.6	23049.4
2°	23069.3	23015.0	22964.4
3°	22975.2	22884.8	22805.1
4°	22807.0	22678.5	22582.6
5°	22593.4	22427.0	22314.8
6°	22352.8	22159.2	22027.1
7°	22088.6	21887.7	21743.0
8°	21819.0	21623.5	21489.6
9°	21565.6	21373.8	21229.1
10°	21303.3	21116.9	20952.2
11°	21026.4	20831.0	20630.1
12°	20733.3	20499.8	20244.7
13°	20375.0	20081.8	19786.9
14°	19951.6	19602.3	19267.6
15°	19444.9	19061.3	18694.0
16°	18873.1	18478.6	18095.0
17°	18245.2	17856.5	17461.9
18°	17542.6	17202.4	16802.7
19°	16783.5	16528.3	16119.4
20°	15964.9	15823.2	15397.6
21°	15073.1	15035.7	14594.0
22°	14126.8	14152.7	13697.6
23°	13079.4	13183.3	12721.5
24°	11995.4	12123.7	11686.1
25°	10908.8	11046.8	10647.3
26°	9825.2	9945.9	9597.1
27°	8791.5	8885.0	8582.8
28°	7819.2	7876.8	7635.7
29°	6945.2	6985.9	6826.3
30°	6195.9	6233.9	6157.9
31°	5589.7	5659.0	5632.6
32°	5110.6	5210.8	5222.8
33°	4731.8	4866.3	4908.3
34°	4432.4	4601.4	4659.3
35°	4187.0	4386.0	4458.1
36°	3990.3	4214.0	4290.9
37°	3820.6	4065.4	4146.7
38°	3663.0	3927.9	4012.7
39°	3510.1	3786.6	3876.5
40°	3358.8	3635.5	3730.3
41°	3205.2	3480.9	3577.9
42°	3040.9	3320.4	3413.6
43°	2882.9	3157.0	3240.6
44°	2724.6	2982.8	3059.5

REPORT NUMBER: P1440315

CATALOG NUMBER: XSF100-SFTR-5Hx5V-830-Position 1

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	2562.6	2802.4	2862.4
46°	2400.3	2618.3	2662.7
47°	2235.6	2439.0	2468.7
48°	2077.5	2260.6	2287.6
49°	1910.7	2071.3	2095.4
50°	1716.1	1878.1	1918.6
51°	1553.5	1668.8	1779.9
52°	1391.3	1521.2	1607.6
53°	1229.0	1375.2	1451.9
54°	1119.7	1229.2	1296.8
55°	1030.2	1139.0	1189.3
56°	964.9	1049.9	1066.5
57°	885.9	946.0	948.4
58°	809.6	855.2	834.4
59°	741.0	779.0	754.7
60°	677.8	696.2	675.2
61°	622.4	623.1	603.8
62°	566.3	567.3	539.6
63°	512.3	514.9	485.9
64°	465.5	467.4	435.2
65°	424.3	422.7	392.2
66°	383.4	383.2	356.0
67°	343.6	349.8	323.1
68°	308.2	317.4	292.2
69°	274.9	286.4	263.6
70°	246.7	256.5	235.9
71°	221.1	229.2	211.5
72°	202.8	204.4	187.9
73°	194.0	179.9	165.8
74°	172.3	158.6	146.5
75°	144.0	137.2	127.3
76°	120.0	115.9	108.1
77°	103.4	97.4	91.9
78°	86.8	80.1	75.8
79°	70.2	64.2	59.8
80°	56.4	50.0	46.6
81°	43.1	37.7	35.5
82°	32.3	27.6	26.4
83°	23.0	20.1	18.8
84°	16.4	14.3	13.2
85°	9.9	8.5	7.6
86°	3.4	2.7	2.0
87°	0.8	0.7	0.6
88°	0.3	0.3	0.3
89°	0.1	0.1	0.1

REPORT NUMBER: P1440315

CATALOG NUMBER: XSF100-SFTR-5Hx5V-830-Position 1

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: P1440315

CATALOG NUMBER: XSF100-SFTR-5Hx5V-830-Position 1

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: P1440315

CATALOG NUMBER: XSF100-SFTR-5Hx5V-830-Position 1

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)