

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: P1440304

Luminaire Tested: XSF100-SFTR-4Hx4V-830-Position 2

Issue Date: 04/15/2026

Test Information

Test Method: LM-79-2024
Report Number: P1440304
Test Lab: THIRD PARTY NVLAP
Issue Date: 7/15/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XSF100-SFTR-4Hx4V-830-Position 2
Description: LUMARK ALL SELECTABLE LUMINAIRE 100W w/ NEMA 4 FLOOD DISTRIBUTION 3000K CCT
80 CRI LIGHT ENGINE AT Position 2
Light Source: (1) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13351.2 lumens
Efficiency: N/A
Efficacy: 155.2 lumens/watt
Luminous Opening: Rectangular (W 0.4' x L: 0.4' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 86
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

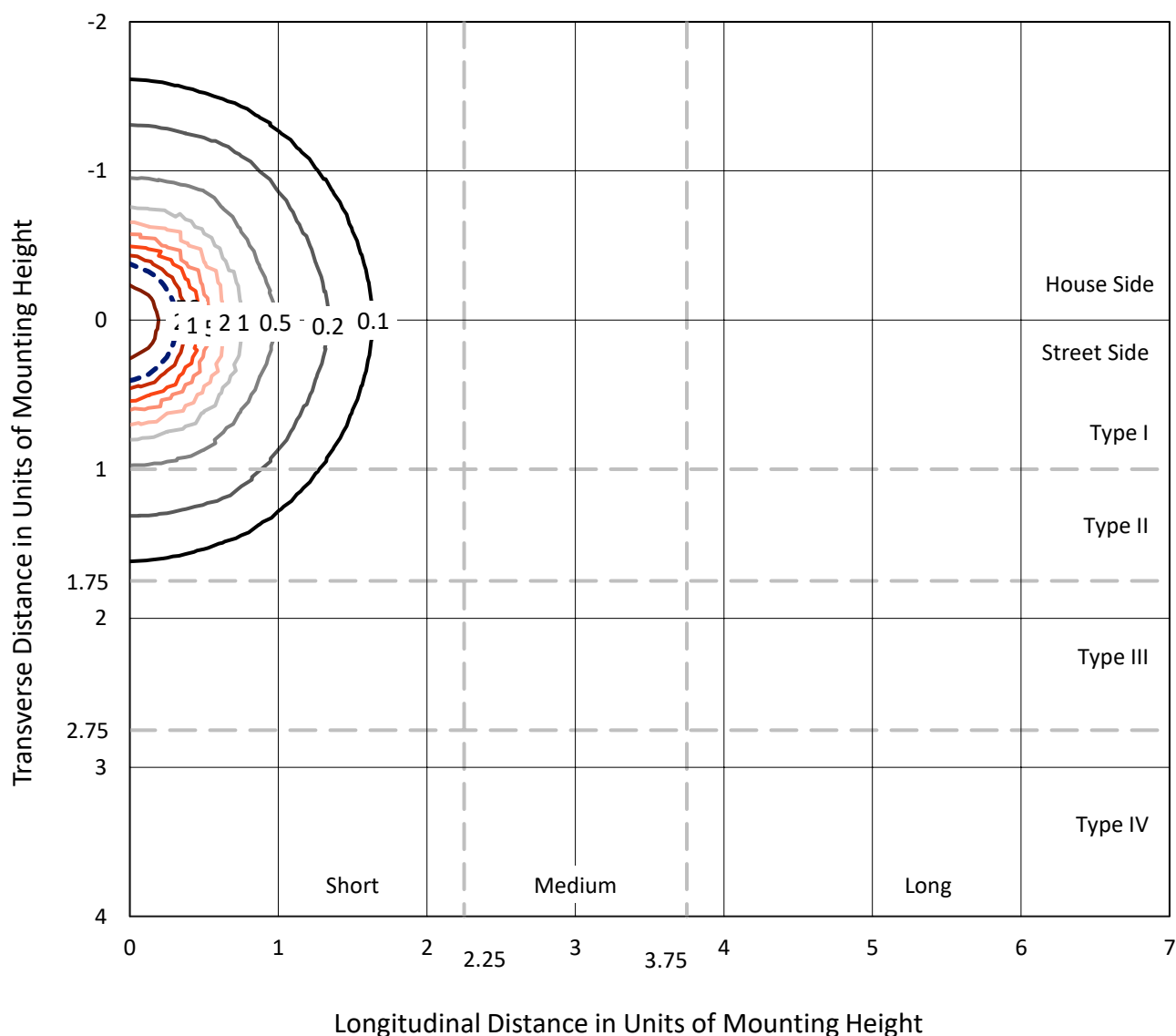
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



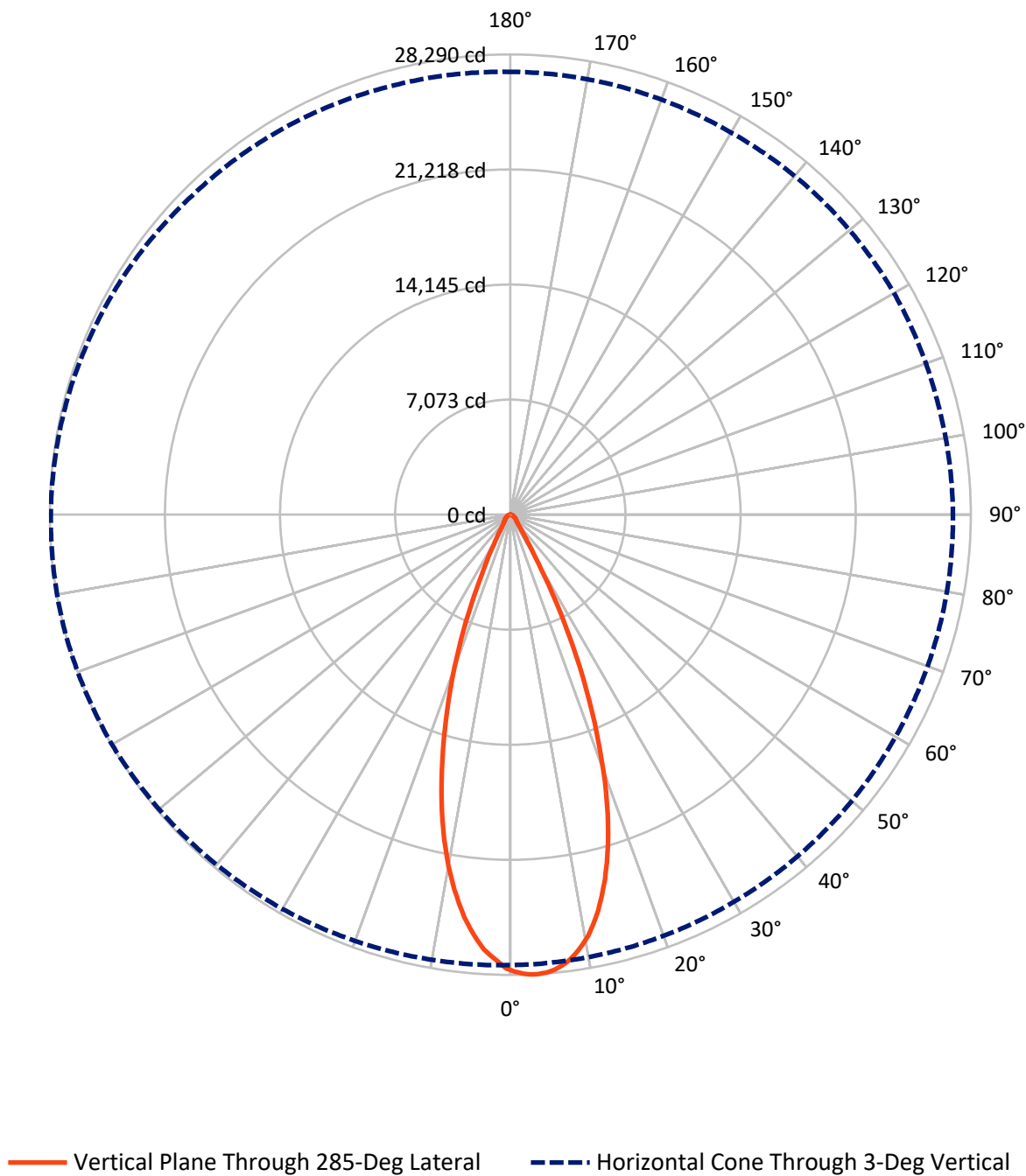
Based on 20 foot mounting height. Maximum calculated value = 70.2 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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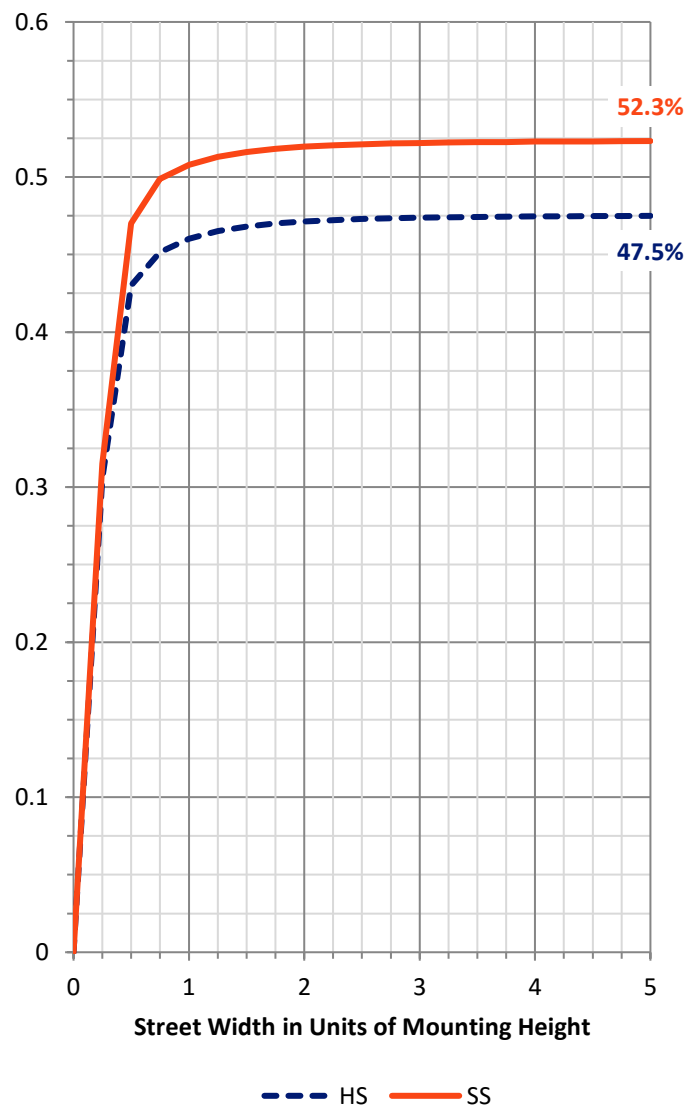
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6429.6	0.0	6429.6
	% Fixture	48.2	0.0	48.2
Street Side	Lumens	6921.5	0.0	6921.5
	% Fixture	51.8	0.0	51.8
Total	Lumens	13351.2	0.0	13351.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2486.4	18.6
10°-20°	5528.7	41.4
20°-30°	3540.8	26.5
30°-40°	788.9	5.9
40°-50°	410.7	3.1
50°-60°	298.7	2.2
60°-70°	192.3	1.4
70°-80°	92.0	0.7
80°-90°	12.7	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°	13351.2	100.0
0°-180°	13351.2	100.0

Coefficient of Utilization



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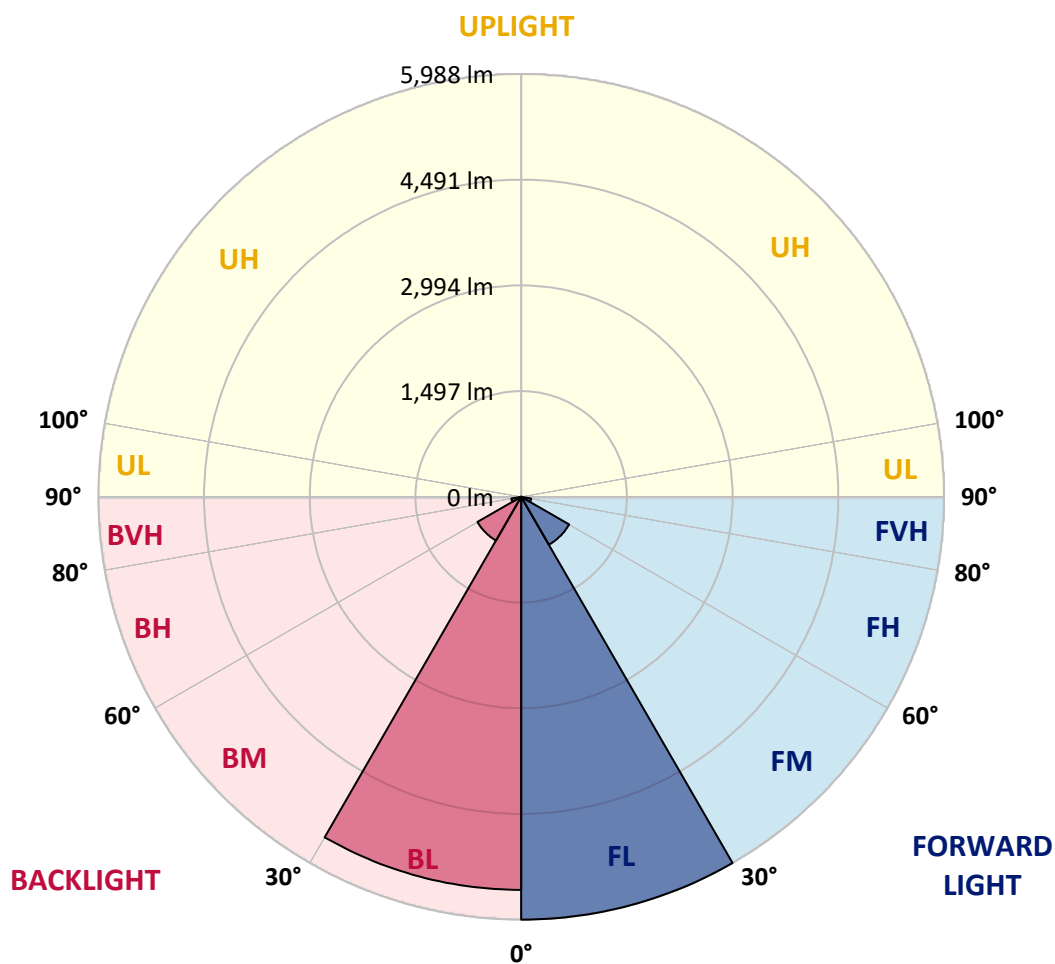
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5988.5	44.9			
FM	(30°-60°)	784.3	5.9			
FH	(60°-80°)	142.7	1.1			G0/660
FVH	(80°-90°)	6.0	0.0			G0/10
BL	(0°-30°)	5567.4	41.7	B5		
BM	(30°-60°)	714.0	5.3	B1/1000		
BH	(60°-80°)	141.6	1.1	B1/500		G1/500
BVH	(80°-90°)	6.7	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-G1

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	28080.8	28080.8	28080.8	28080.8	28080.8	28080.8	28080.8	28080.8	28080.8	28080.8	28080.8
1°	28091.0	28057.6	28003.8	27957.3	27916.7	27874.5	27896.3	27887.6	27874.5	27871.6	27871.6
2°	27957.3	27877.4	27785.9	27730.7	27662.4	27618.8	27546.2	27515.6	27552.0	27537.4	27495.3
3°	27690.0	27585.4	27479.3	27408.1	27325.3	27259.9	27194.5	27143.7	27225.1	27200.4	27119.0
4°	27331.1	27214.9	27091.4	26994.0	26909.8	26821.1	26841.5	26765.9	26726.7	26723.8	26741.2
5°	26917.0	26774.6	26641.0	26524.7	26401.2	26279.2	26301.0	26209.5	26180.4	26193.5	26237.1
6°	26476.8	26322.8	26165.9	25991.5	25825.9	25674.8	25664.6	25583.2	25578.9	25621.0	25734.3
7°	26054.0	25876.7	25658.8	25416.2	25192.4	25007.9	24970.1	24903.3	24893.1	25016.6	25211.3
8°	25655.9	25446.7	25150.3	24810.3	24503.7	24243.6	24197.1	24111.4	24153.6	24361.3	24659.2
9°	25254.9	25018.1	24625.8	24166.6	23742.4	23422.7	23331.2	23274.5	23360.3	23645.0	24073.6
10°	24864.0	24540.0	24073.6	23488.1	22943.3	22552.4	22405.7	22366.4	22521.9	22902.6	23427.1
11°	24406.4	24018.4	23457.6	22768.9	22115.1	21596.4	21423.5	21404.6	21616.7	22075.9	22705.0
12°	23825.2	23414.0	22802.3	22000.3	21249.1	20617.1	20354.1	20349.8	20650.5	21186.7	21888.4
13°	23156.8	22699.2	22025.0	21159.1	20309.1	19571.0	19244.1	19242.6	19614.6	20232.1	20992.0
14°	22386.8	21888.4	21134.4	20239.4	19328.4	18468.2	18055.6	18084.7	18514.7	19197.6	19992.4
15°	21552.8	20989.1	20150.7	19248.5	18238.7	17305.9	16840.9	16867.1	17355.3	18078.8	18895.4
16°	20659.3	20012.7	19075.6	18177.6	17083.6	16089.8	15585.6	15626.3	16131.9	16909.2	17712.7
17°	19742.5	18998.6	17984.4	17019.7	15895.1	14846.1	14343.6	14376.6	14879.5	15674.2	16502.4
18°	18843.1	17955.3	16840.9	15829.7	14668.8	13642.6	13113.7	13129.1	13606.4	14394.8	15247.1
19°	17871.1	16877.3	15658.3	14580.2	13393.3	12423.7	11894.1	11888.6	12321.3	13047.0	13926.8
20°	16835.1	15738.2	14440.8	13245.5	12170.3	11204.4	10698.1	10678.3	11072.9	11692.5	12560.5
21°	15675.7	14487.2	13126.8	11992.2	10947.7	9985.1	9493.5	9464.4	9813.1	10328.6	11108.3
22°	14355.8	13410.4	11810.0	10740.8	9698.2	8769.3	8303.1	8271.4	8567.9	8976.9	9670.7
23°	12878.1	11888.3	10493.2	9448.0	8470.5	7577.8	7134.9	7097.0	7358.5	7676.0	8271.7
24°	11397.7	10354.6	9160.3	8191.5	7273.7	6431.6	6013.8	5965.5	6185.3	6439.8	6955.8
25°	9917.3	8910.7	7860.7	6970.0	6132.0	5385.0	5011.9	4941.9	5105.3	5315.0	5753.5
26°	8419.5	7531.9	6621.9	5828.4	5086.3	4455.7	4143.0	4048.6	4157.9	4326.1	4673.8
27°	6904.6	6209.0	5474.8	4809.8	4186.5	3667.6	3543.0	3453.5	3530.2	3662.8	3780.1
28°	5512.7	4998.5	4447.4	3923.9	3414.5	3008.6	2943.1	2858.2	2902.7	2999.4	3198.8
29°	4370.6	3993.7	3610.5	3197.8	2803.4	2481.9	2344.0	2265.1	2281.1	2342.9	2617.5
30°	3424.1	3176.0	2912.7	2606.7	2306.7	2051.3	1955.1	1883.0	1887.7	1933.9	2039.2
31°	2699.8	2543.5	2364.1	2142.2	1912.2	1714.3	1645.9	1584.3	1586.2	1625.7	1695.7
32°	2144.8	2047.0	1944.5	1780.6	1606.1	1457.6	1406.7	1348.7	1353.9	1389.3	1435.7
33°	1750.5	1685.1	1619.0	1500.0	1364.0	1295.2	1221.3	1168.6	1173.5	1203.7	1239.1
34°	1452.5	1411.8	1375.1	1330.3	1213.6	1134.6	1080.7	1028.0	1030.0	1061.7	1090.3
35°	1281.4	1252.8	1231.6	1161.0	1064.5	974.1	969.3	918.0	917.5	948.4	976.9
36°	1112.3	1095.8	1088.7	991.6	915.4	878.1	882.2	831.4	829.2	860.2	890.2
37°	943.2	938.7	945.7	887.8	824.8	801.3	812.1	761.4	756.3	787.4	821.0
38°	845.7	845.1	861.1	806.0	752.3	738.3	753.7	703.5	698.0	729.1	766.2
39°	768.6	769.6	794.3	738.2	692.8	685.7	706.7	656.7	649.6	681.2	722.3
40°	705.6	708.6	740.2	681.7	644.2	642.5	667.3	617.4	609.6	642.1	685.7
41°	654.4	658.4	695.4	637.3	603.7	606.2	634.4	584.6	576.0	609.3	655.2
42°	610.1	616.8	657.6	600.0	569.8	575.8	607.0	556.2	547.0	581.7	628.0
43°	572.8	581.5	624.9	568.4	539.6	548.8	583.0	532.0	522.5	558.2	604.2
44°	539.9	551.3	595.6	540.7	512.8	524.9	561.6	511.0	499.8	537.9	583.3

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CATALOG NUMBER: XSF100-SFTR-4Hx4V-830-Position 2

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	511.1	524.0	569.9	516.5	488.9	503.2	542.2	491.7	479.4	518.6	562.2
46°	484.9	499.6	546.3	495.4	467.8	483.6	523.4	473.0	460.7	499.6	539.9
47°	462.1	477.5	524.8	477.0	448.5	465.3	502.8	454.8	442.8	479.9	515.1
48°	441.1	456.8	504.6	459.3	430.6	446.4	482.0	437.1	426.1	460.5	490.2
49°	420.6	436.0	483.1	441.9	413.4	428.4	461.5	419.7	409.9	440.6	464.8
50°	401.3	415.8	460.4	424.4	397.0	410.5	440.2	402.5	393.9	421.0	439.8
51°	383.6	395.4	436.4	406.0	381.0	392.2	418.5	385.2	378.8	401.9	415.7
52°	366.9	375.7	412.2	387.8	365.2	373.5	397.2	368.7	363.3	382.6	392.3
53°	351.7	357.2	388.7	369.4	349.7	355.6	377.1	352.0	348.0	363.9	369.8
54°	336.6	338.5	365.7	351.3	334.4	338.2	357.1	336.6	333.1	345.4	348.3
55°	321.9	320.9	343.5	333.4	319.7	321.7	338.7	321.4	318.6	327.9	329.7
56°	307.3	303.9	322.2	315.7	305.4	306.7	322.9	306.3	304.2	310.4	311.7
57°	293.4	288.1	302.3	298.5	291.6	292.4	307.2	291.2	289.7	293.0	293.7
58°	278.7	272.7	285.0	281.6	278.0	278.7	291.5	277.1	276.6	276.0	277.7
59°	265.1	258.5	269.0	265.1	265.1	265.7	277.6	263.7	263.6	260.1	262.3
60°	251.0	244.5	253.1	248.8	251.6	253.2	263.9	250.8	250.6	245.0	247.7
61°	237.9	231.3	238.0	233.6	238.6	241.6	251.0	238.9	237.6	231.6	233.7
62°	225.3	218.9	224.3	220.3	226.6	230.0	240.7	227.9	225.4	219.9	222.6
63°	212.7	207.4	212.2	208.3	214.6	219.3	233.3	217.4	213.8	208.9	212.9
64°	200.5	197.0	202.4	197.4	203.0	208.7	225.8	207.0	202.3	198.3	204.2
65°	188.6	186.6	194.0	187.0	191.5	198.2	216.7	196.3	190.8	187.7	194.2
66°	176.7	176.8	185.6	176.5	179.8	188.0	207.0	185.7	179.0	177.5	182.5
67°	165.2	167.0	174.8	165.9	168.0	178.0	196.0	175.3	167.0	167.6	168.9
68°	153.6	156.6	161.7	155.5	155.7	166.9	184.1	164.2	154.4	157.3	154.9
69°	141.3	146.4	148.7	144.3	142.6	155.1	171.2	152.8	140.8	146.3	145.6
70°	129.6	134.9	137.4	132.7	130.3	143.6	161.3	141.2	127.2	134.9	155.6
71°	117.8	123.9	140.2	121.1	117.9	131.6	176.9	129.2	115.4	123.2	161.7
72°	106.1	112.9	143.3	109.5	105.6	119.5	161.8	117.3	104.6	111.3	149.5
73°	95.9	102.0	146.3	97.7	94.5	107.5	136.4	105.6	93.8	99.0	123.9
74°	86.3	90.6	121.4	86.8	84.1	96.2	114.6	94.2	83.6	87.3	105.6
75°	76.7	79.1	97.2	75.8	74.1	85.1	98.7	84.0	74.0	76.8	92.1
76°	67.6	68.9	80.4	65.8	64.8	74.1	86.8	74.7	64.6	66.4	79.9
77°	58.5	59.0	67.8	56.5	56.0	63.2	76.5	64.6	55.8	56.1	68.9
78°	49.5	48.9	57.4	47.5	47.5	52.9	67.1	54.2	47.3	46.7	58.4
79°	40.8	39.5	47.9	38.8	39.5	43.5	57.4	44.7	39.4	38.8	49.3
80°	32.6	31.1	38.5	31.0	32.0	35.2	47.9	37.1	32.5	30.9	40.2
81°	25.4	23.7	29.3	24.0	25.1	27.7	39.1	29.5	25.6	23.0	32.4
82°	18.7	17.3	21.6	17.5	19.0	21.2	31.6	21.9	18.8	17.4	24.6
83°	14.9	13.8	14.8	13.7	14.5	16.2	24.0	16.9	14.8	13.6	16.8
84°	11.2	10.5	9.8	9.9	11.4	12.4	16.5	13.9	11.9	11.0	12.0
85°	7.5	7.1	4.9	6.1	8.2	8.5	10.2	10.3	8.5	7.7	7.1
86°	1.6	1.6	1.6	2.8	3.7	4.7	5.3	5.6	4.5	4.0	3.3
87°	0.4	0.4	0.4	0.6	1.1	1.5	2.1	1.8	1.4	1.6	1.4
88°	0.2	0.2	0.2	0.2	0.3	0.4	0.6	0.6	0.6	0.6	0.7
89°	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3

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CATALOG NUMBER: XSF100-SFTR-4Hx4V-830-Position 2

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: P1440304

CATALOG NUMBER: XSF100-SFTR-4Hx4V-830-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



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CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1440304

CATALOG NUMBER: XSF100-SFTR-4Hx4V-830-Position 2

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	28080.8	28080.8	28080.8	28080.8	28080.8	28080.8	28080.8	28080.8	28080.8	28080.8	28080.8
1°	27910.8	27931.2	27980.6	28022.7	28070.7	28109.9	28144.8	28186.9	28214.5	28224.7	28214.5
2°	27536.0	27575.2	27659.5	27841.1	27957.3	28073.6	28168.0	28249.4	28287.1	28284.2	28226.1
3°	27161.1	27219.2	27338.4	27530.2	27690.0	27941.4	28123.0	28236.3	28290.1	28256.6	28127.3
4°	26784.8	26863.3	27015.8	27217.8	27424.1	27711.8	28012.5	28169.5	28231.9	28152.0	27950.1
5°	26322.8	26414.3	26571.2	26813.9	27156.8	27482.2	27855.6	28059.0	28114.3	27955.9	27684.2
6°	25850.6	25977.0	26139.7	26389.6	26773.2	27249.8	27562.1	27868.7	27907.9	27716.1	27368.9
7°	25394.4	25554.2	25743.1	25993.0	26382.4	26863.3	27267.2	27583.9	27633.3	27396.5	27007.1
8°	24935.2	25148.8	25358.0	25606.5	25968.3	26462.3	26972.2	27232.3	27273.0	27021.6	26607.6
9°	24450.0	24710.0	24951.2	25215.6	25555.6	26003.1	26508.8	26790.6	26821.1	26568.3	26183.3
10°	23896.4	24213.1	24503.7	24808.8	25106.7	25491.7	25956.6	26241.4	26306.8	26052.5	25737.3
11°	23248.4	23610.2	23971.9	24346.8	24634.5	24916.3	25321.7	25584.7	25648.6	25462.6	25262.1
12°	22504.5	22899.7	23318.1	23790.3	24096.9	24272.7	24590.9	24820.5	24917.8	24814.6	24763.8
13°	21651.6	22062.8	22553.9	23139.4	23491.0	23560.8	23777.2	23969.0	24094.0	24078.0	24178.3
14°	20701.4	21134.4	21680.7	22386.8	22777.6	22786.3	22908.4	23039.2	23190.3	23273.1	23536.1
15°	19678.5	20201.6	20753.7	21513.6	21959.6	21936.4	21956.7	22013.4	22193.5	22415.8	22798.0
16°	18613.5	19241.2	19804.9	20534.3	21005.1	20962.9	20929.5	20899.0	21127.1	21475.8	21965.4
17°	17542.7	18299.7	18853.3	19495.5	19951.7	19928.4	19816.6	19698.9	19986.5	20458.7	20994.9
18°	16394.9	17305.9	17887.1	18381.1	18758.8	18771.9	18609.2	18404.3	18715.2	19325.5	19884.8
19°	15143.9	16211.8	16825.0	17218.7	17474.4	17528.2	17266.7	17040.0	17394.5	18110.8	18677.5
20°	13798.9	14955.0	15645.2	15940.1	16078.2	16169.7	15909.6	15620.5	15988.1	16772.7	17323.3
21°	12332.1	13565.6	14270.0	14548.2	14610.7	14750.2	14445.2	14190.2	14567.1	15357.5	15906.7
22°	10822.2	12028.2	12773.3	13022.9	13087.9	13272.1	13010.4	12752.1	13135.1	13905.4	14427.9
23°	9301.2	10441.4	11170.1	11425.9	11519.0	11756.4	11524.1	11313.8	11702.6	12419.8	12886.9
24°	7837.3	8833.3	9545.8	9819.9	9956.9	10262.5	10072.3	9875.7	10270.1	10933.5	11345.4
25°	6447.1	7273.7	7938.7	8262.7	8454.6	8771.4	8638.4	8450.3	8859.3	9447.1	9803.8
26°	5202.7	5844.6	6446.7	6811.8	7046.4	7339.9	7215.1	7072.0	7469.4	8034.4	8334.6
27°	4149.9	4611.8	5132.8	5542.9	5763.2	5993.6	5896.0	5764.2	6134.0	6654.0	6948.9
28°	3468.4	3832.0	4022.4	4406.6	4636.6	4778.1	4695.0	4608.3	4920.5	5381.8	5667.5
29°	2787.0	3052.2	3353.4	3687.8	3692.9	3769.9	3703.5	3644.2	3885.0	4268.1	4541.7
30°	2111.1	2274.9	2684.1	2968.9	3034.3	3068.0	3026.6	2888.3	3049.0	3339.9	3571.2
31°	1729.1	1847.4	2025.7	2258.3	2376.6	2369.9	2350.1	2317.0	2423.2	2625.4	2819.3
32°	1442.1	1526.5	1658.2	1843.0	1929.9	1913.9	1899.9	1889.0	1957.0	2089.0	2236.1
33°	1231.1	1288.8	1391.6	1537.3	1598.5	1570.2	1567.6	1572.7	1614.8	1695.9	1804.4
34°	1072.8	1111.2	1187.9	1310.5	1345.6	1318.6	1322.4	1329.9	1360.6	1408.8	1484.8
35°	948.9	974.1	1035.9	1140.0	1156.4	1128.6	1138.3	1177.9	1211.1	1245.5	1306.7
36°	855.3	869.6	920.5	1013.8	1011.8	986.7	999.2	1027.2	1063.0	1083.8	1130.1
37°	779.1	788.1	828.8	915.9	901.7	878.8	893.2	924.8	914.9	922.2	953.6
38°	718.3	722.6	757.1	841.4	815.9	793.1	808.0	847.0	829.7	830.0	854.4
39°	668.5	669.9	700.2	782.6	747.8	727.0	740.1	782.9	760.2	755.2	776.8
40°	628.0	625.8	653.8	735.2	692.7	671.1	684.3	730.5	703.1	694.1	713.8
41°	594.2	588.8	615.2	695.8	647.6	625.8	638.4	687.1	656.4	642.9	663.4
42°	565.4	556.8	583.2	661.7	611.1	586.8	599.1	651.4	615.8	599.4	621.0
43°	540.8	529.5	555.8	631.7	580.2	554.1	565.7	621.4	581.4	562.8	585.9
44°	518.9	505.2	532.1	605.4	553.2	525.3	537.0	595.0	551.8	531.0	555.9

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CATALOG NUMBER: XSF100-SFTR-4Hx4V-830-Position 2

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	499.0	483.7	511.7	581.9	529.6	499.4	511.6	572.5	526.3	503.7	530.1
46°	479.9	463.7	493.1	560.0	508.8	476.3	489.6	551.9	503.2	478.6	507.1
47°	460.3	444.5	474.4	538.7	489.6	455.3	469.6	532.8	482.7	456.3	486.7
48°	440.4	426.9	455.6	515.8	471.1	436.0	452.3	515.1	464.2	436.5	468.2
49°	420.8	409.9	436.8	490.6	451.9	418.5	436.7	497.2	447.8	419.1	451.3
50°	401.3	393.4	418.0	465.3	432.1	401.7	420.2	477.8	432.5	402.4	435.2
51°	382.1	377.8	399.7	439.4	412.3	385.1	403.9	456.0	415.4	386.5	418.5
52°	363.2	361.8	381.4	414.6	392.7	368.9	386.5	433.9	397.5	370.8	401.2
53°	344.9	346.8	362.4	390.5	372.8	353.6	369.8	410.6	379.9	355.7	383.6
54°	328.0	332.6	344.3	366.7	352.9	338.1	352.9	387.3	362.2	340.9	365.1
55°	311.7	318.1	326.9	343.7	333.3	323.1	336.6	363.9	343.7	325.9	346.3
56°	295.4	303.6	309.4	324.2	315.7	308.1	320.2	342.0	326.0	311.0	326.6
57°	281.0	289.1	291.9	304.7	298.2	293.1	303.9	321.4	308.4	296.4	308.1
58°	266.8	275.8	275.5	285.3	280.7	279.0	287.5	303.6	292.5	282.0	290.6
59°	252.6	262.6	258.8	268.8	265.3	265.3	272.4	287.4	277.1	268.1	273.6
60°	239.0	249.8	242.7	252.6	249.7	251.9	257.5	272.6	262.1	254.5	256.8
61°	227.0	237.2	228.7	237.3	235.3	239.2	243.5	258.0	247.4	241.3	240.3
62°	216.4	224.8	216.9	224.6	222.1	226.9	230.7	244.6	233.9	228.6	224.9
63°	206.4	212.7	206.5	213.7	210.3	214.9	219.7	233.5	221.9	216.1	211.5
64°	196.7	200.9	196.7	205.4	199.4	203.2	209.8	225.8	211.2	204.4	200.1
65°	187.0	188.5	187.1	197.0	189.3	192.0	200.2	220.5	200.8	193.2	189.9
66°	176.7	176.7	177.4	187.7	179.3	180.6	190.6	214.3	190.9	181.9	179.9
67°	166.4	165.3	167.6	176.4	169.4	169.2	180.3	206.1	180.7	170.8	170.0
68°	155.6	153.1	157.1	163.0	159.7	157.6	170.1	196.5	170.9	159.4	160.3
69°	144.7	140.0	146.1	150.3	149.5	145.4	159.7	185.2	160.7	147.7	150.2
70°	133.6	127.5	135.2	143.6	138.5	132.7	148.9	172.8	150.0	134.7	139.6
71°	122.3	116.4	124.1	145.9	127.3	120.7	137.5	160.2	139.3	123.3	128.2
72°	110.8	106.0	112.9	152.6	115.8	109.8	125.8	159.1	127.5	112.1	116.8
73°	99.4	96.3	101.8	135.5	104.2	99.0	113.7	154.0	115.8	101.0	105.4
74°	88.2	86.6	90.3	110.4	92.5	88.5	101.9	131.1	104.0	90.4	93.9
75°	77.7	77.0	79.3	93.2	81.5	78.7	90.8	111.7	92.0	80.2	82.6
76°	67.6	67.8	69.3	79.6	70.7	69.2	79.9	92.4	81.2	70.6	71.9
77°	57.9	58.9	59.6	68.7	60.4	60.2	70.3	79.3	71.5	61.4	62.1
78°	48.7	50.2	50.0	58.8	50.5	51.6	60.5	68.4	60.7	52.5	52.5
79°	40.2	42.2	41.2	49.8	41.4	43.4	50.7	58.3	50.2	44.1	43.2
80°	33.4	35.2	34.2	41.1	34.1	36.2	41.4	48.9	40.8	36.3	35.0
81°	26.5	28.3	27.1	33.4	26.8	28.9	34.1	40.0	32.3	29.0	27.6
82°	19.6	21.3	20.2	25.7	19.5	21.7	26.9	31.9	25.0	22.3	20.7
83°	17.0	18.4	17.1	18.0	15.3	16.7	19.7	24.7	18.8	16.6	14.7
84°	16.3	18.0	16.7	13.5	14.1	14.6	16.3	17.9	15.7	13.2	11.4
85°	13.0	14.3	13.6	8.5	11.6	12.2	13.7	12.9	11.5	9.8	8.3
86°	6.7	7.3	7.8	4.2	7.1	8.1	8.9	7.9	7.3	6.5	4.8
87°	1.9	1.9	2.3	1.8	2.9	2.5	3.2	2.9	3.1	2.3	1.4
88°	0.8	0.8	0.8	0.8	0.9	0.9	1.3	1.0	0.9	0.6	0.3
89°	0.3	0.3	0.3	0.3	0.4	0.4	0.3	0.2	0.2	0.2	0.1

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CATALOG NUMBER: XSF100-SFTR-4Hx4V-830-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: P1440304

CATALOG NUMBER: XSF100-SFTR-4Hx4V-830-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: P1440304
CATALOG NUMBER: XSF100-SFTR-4Hx4V-830-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: P1440304

CATALOG NUMBER: XSF100-SFTR-4Hx4V-830-Position 2

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	28080.8	28080.8	28080.8
1°	28181.1	28139.0	28091.0
2°	28144.8	28050.3	27957.3
3°	27987.8	27832.4	27690.0
4°	27720.5	27501.1	27331.1
5°	27389.2	27124.8	26917.0
6°	26998.4	26690.4	26476.8
7°	26595.9	26276.3	26054.0
8°	26205.1	25884.0	25655.9
9°	25801.2	25509.1	25254.9
10°	25417.6	25129.9	24864.0
11°	25019.5	24718.7	24406.4
12°	24586.5	24224.7	23825.2
13°	24057.7	23620.3	23156.8
14°	23425.6	22906.9	22386.8
15°	22697.7	22120.9	21552.8
16°	21857.9	21273.8	20659.3
17°	20931.0	20364.3	19742.5
18°	19919.7	19425.7	18843.1
19°	18827.1	18476.9	17871.1
20°	17599.4	17458.4	16835.1
21°	16328.1	16336.8	15675.7
22°	14928.9	15065.5	14355.8
23°	13478.9	13653.2	12878.1
24°	11915.6	12088.3	11397.7
25°	10351.7	10522.6	9917.3
26°	8787.9	8956.7	8419.5
27°	7304.0	7399.9	6904.6
28°	5920.1	5908.8	5512.7
29°	4713.0	4639.5	4370.6
30°	3688.4	3607.1	3424.1
31°	2893.1	2811.3	2699.8
32°	2291.7	2225.5	2144.8
33°	1843.0	1795.1	1750.5
34°	1521.5	1482.6	1452.5
35°	1345.0	1306.8	1281.4
36°	1171.0	1133.0	1112.3
37°	996.9	959.1	943.2
38°	900.9	861.3	845.7
39°	829.7	783.6	768.6
40°	771.5	720.3	705.6
41°	726.5	669.5	654.4
42°	688.5	626.6	610.1
43°	656.4	590.1	572.8
44°	627.4	558.4	539.9

REPORT NUMBER: P1440304

CATALOG NUMBER: XSF100-SFTR-4Hx4V-830-Position 2

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	601.0	530.4	511.1
46°	576.0	505.3	484.9
47°	553.1	482.8	462.1
48°	531.6	463.4	441.1
49°	510.5	445.0	420.6
50°	489.3	427.4	401.3
51°	467.1	410.1	383.6
52°	442.5	392.3	366.9
53°	417.2	375.1	351.7
54°	391.1	357.6	336.6
55°	365.9	340.0	321.9
56°	340.7	322.3	307.3
57°	318.0	304.2	293.4
58°	297.0	286.3	278.7
59°	278.1	268.3	265.1
60°	261.9	251.4	251.0
61°	246.1	235.5	237.9
62°	230.9	220.8	225.3
63°	217.3	208.1	212.7
64°	206.2	197.3	200.5
65°	196.5	187.2	188.6
66°	188.8	177.7	176.7
67°	180.3	168.1	165.2
68°	168.1	157.9	153.6
69°	154.5	147.7	141.3
70°	142.1	136.8	129.6
71°	141.3	125.7	117.8
72°	140.6	114.7	106.1
73°	139.9	103.6	95.9
74°	127.2	92.9	86.3
75°	103.9	82.4	76.7
76°	85.5	71.2	67.6
77°	72.0	61.1	58.5
78°	60.8	51.6	49.5
79°	50.8	41.9	40.8
80°	41.2	33.1	32.6
81°	31.8	25.3	25.4
82°	23.7	18.6	18.7
83°	16.7	15.2	14.9
84°	12.0	11.8	11.2
85°	7.3	8.4	7.5
86°	2.5	2.4	1.6
87°	0.6	0.5	0.4
88°	0.3	0.2	0.2
89°	0.1	0.1	0.1

REPORT NUMBER: P1440304

CATALOG NUMBER: XSF100-SFTR-4Hx4V-830-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: P1440304

CATALOG NUMBER: XSF100-SFTR-4Hx4V-830-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: P1440304

CATALOG NUMBER: XSF100-SFTR-4Hx4V-830-Position 2

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)