

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: P1440355

Luminaire Tested: XSF200-SFTR-5Hx5V-840-Position 1

Issue Date: 04/15/2026

Test Information

Test Method: LM-79-2024
Report Number: P1440355
Test Lab: THIRD PARTY NVLAP
Issue Date: 7/15/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XSF200-SFTR-5Hx5V-840-Position 1
Description: LUMARK ALL SELECTABLE LUMINAIRE 200W w/ NEMA 5 FLOOD DISTRIBUTION 4000K CCT
80 CRI LIGHT ENGINE AT Position 1
Light Source: (1) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32003.6 lumens
Efficiency: N/A
Efficacy: 159.2 lumens/watt
Luminous Opening: Rectangular (W 0.42' x L: 0.42' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

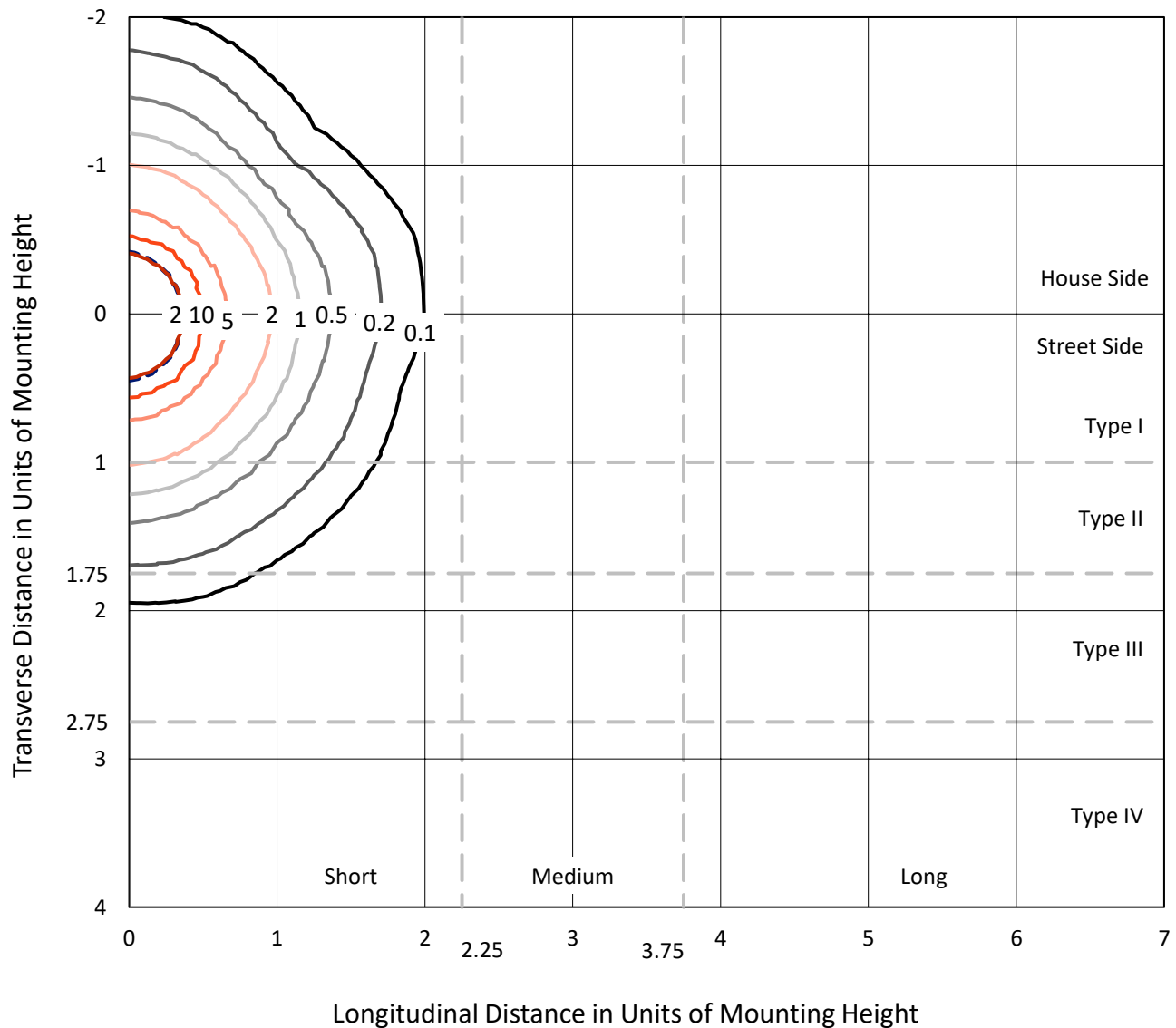
Input Watts (W): 201
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd



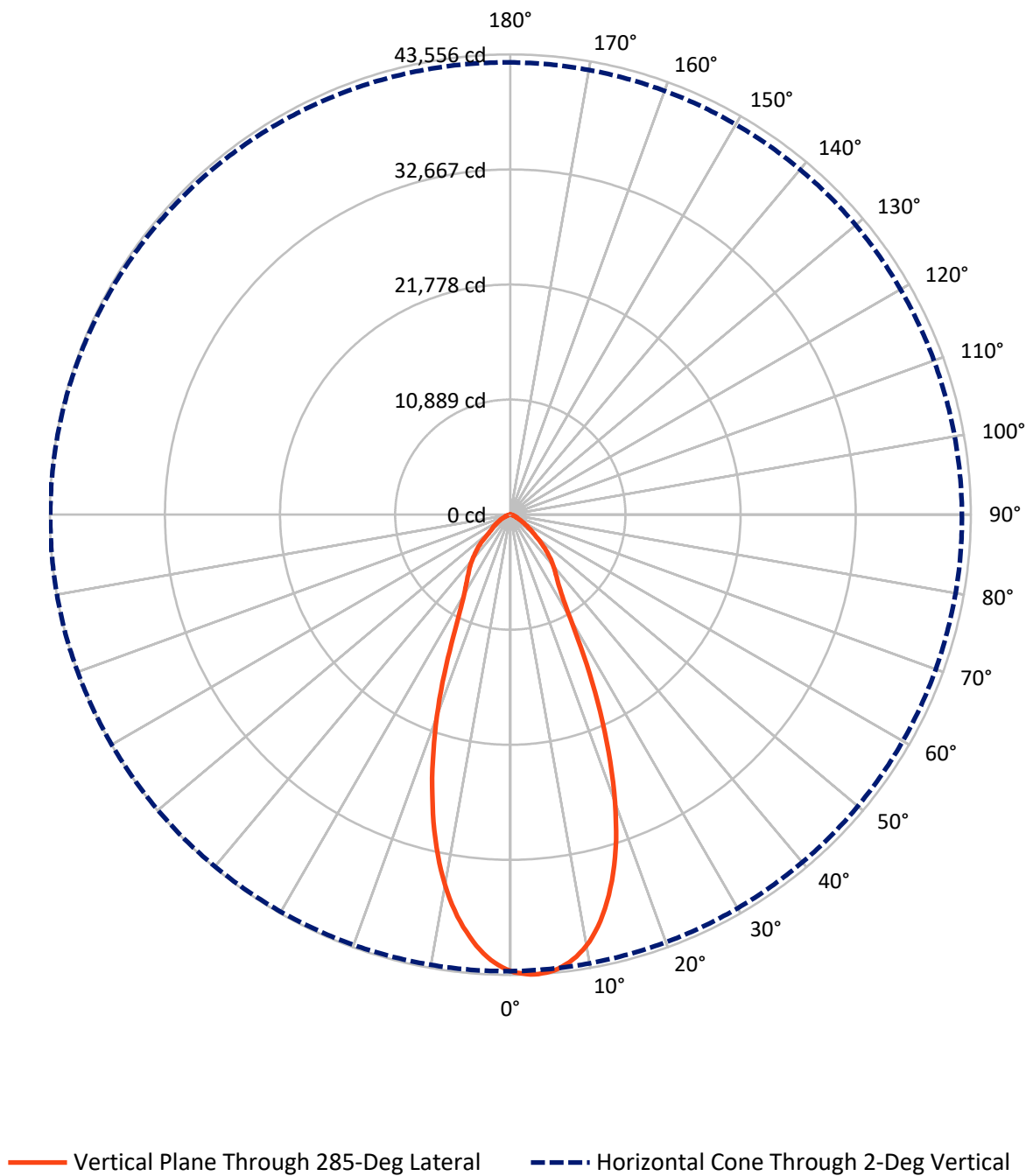
Based on 30 foot mounting height. Maximum calculated value = 48.1 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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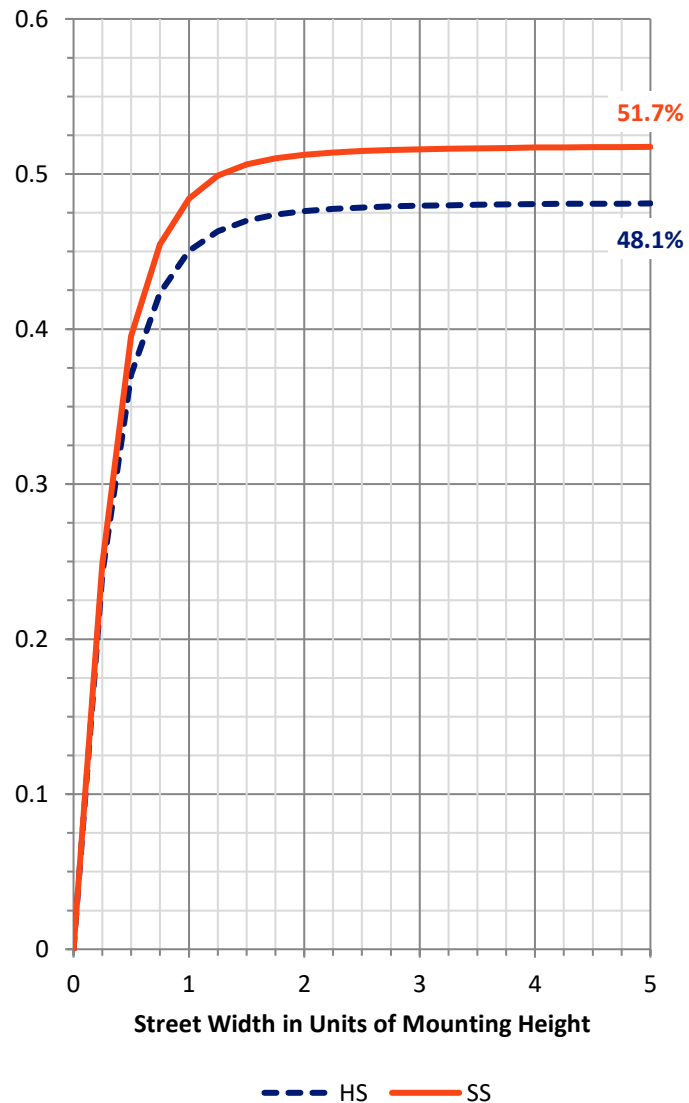
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15549.4	0.0	15549.4
	% Fixture	48.6	0.0	48.6
Street Side	Lumens	16454.3	0.0	16454.3
	% Fixture	51.4	0.0	51.4
Total	Lumens	32003.6	0.0	32003.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3894.8	12.2
10°-20°	9206.0	28.8
20°-30°	7814.5	24.4
30°-40°	4778.8	14.9
40°-50°	3484.7	10.9
50°-60°	1730.5	5.4
60°-70°	779.0	2.4
70°-80°	280.0	0.9
80°-90°	35.4	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°	32003.6	100.0
0°-180°	32003.6	100.0

Coefficient of Utilization



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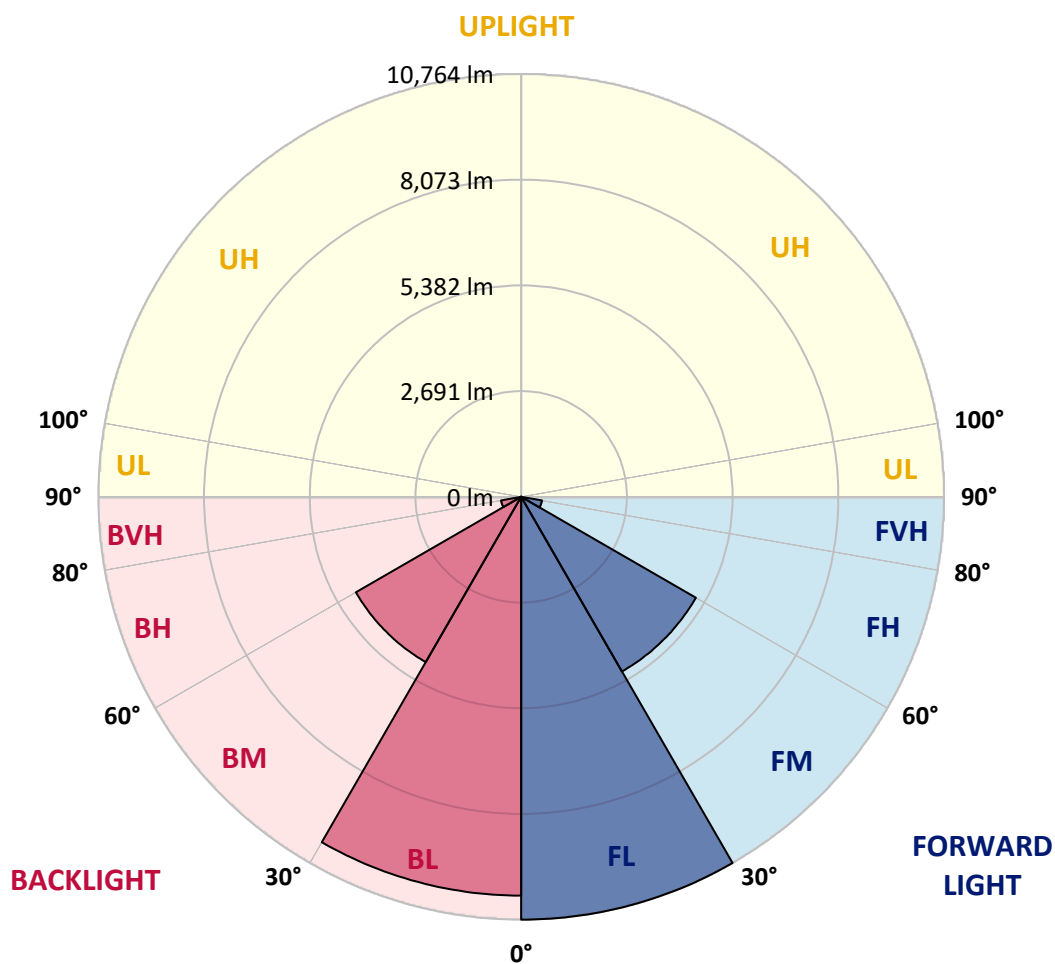
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	10763.9	33.6			
FM	(30°-60°)	5135.6	16.0			
FH	(60°-80°)	537.9	1.7			G0/660
FVH	(80°-90°)	16.8	0.1			G1/100
BL	(0°-30°)	10151.4	31.7	B5		
BM	(30°-60°)	4858.4	15.2	B3/5000		
BH	(60°-80°)	521.1	1.6	B2/1000		G0/660
BVH	(80°-90°)	18.5	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°	43317.5	43317.5	43317.5	43317.5	43317.5	43317.5	43317.5	43317.5	43317.5	43317.5	43317.5
1°	43361.7	43297.1	43239.2	43191.5	43143.9	43106.4	43065.6	43021.3	43017.9	43028.1	43055.4
2°	43201.7	43082.6	43000.9	42936.2	42871.5	42789.8	42721.8	42653.7	42629.9	42640.1	42643.5
3°	42902.2	42759.2	42636.7	42541.3	42446.0	42350.7	42248.6	42180.5	42136.3	42132.9	42153.3
4°	42483.5	42286.0	42139.7	42044.3	41921.8	41823.1	41683.5	41598.4	41561.0	41564.4	41591.6
5°	41979.7	41789.0	41608.6	41452.0	41305.6	41189.9	41026.5	40921.0	40883.5	40917.6	40985.7
6°	41438.4	41224.0	41019.7	40808.6	40597.6	40434.2	40247.0	40124.4	40114.2	40206.1	40359.3
7°	40904.0	40658.9	40396.7	40100.6	39804.4	39593.4	39409.6	39283.6	39287.0	39436.8	39692.1
8°	40427.4	40121.0	39763.6	39355.1	38956.8	38677.7	38439.4	38340.7	38401.9	38636.8	39021.5
9°	39937.2	39579.8	39106.6	38555.1	38030.9	37666.6	37384.1	37305.8	37411.3	37755.1	38289.6
10°	39416.4	38990.8	38398.5	37717.7	37064.1	36597.7	36226.7	36175.6	36356.1	36815.6	37459.0
11°	38810.4	38340.7	37625.8	36822.4	36022.4	35416.5	35004.6	34953.6	35229.3	35784.2	36560.3
12°	38085.3	37547.5	36791.8	35838.6	34936.5	34194.4	33674.3	33655.9	34002.4	34674.4	35522.0
13°	37224.1	36648.8	35811.4	34766.3	33746.1	32856.6	32249.3	32252.0	32694.9	33454.4	34361.2
14°	36247.1	35586.7	34677.8	33605.5	32449.1	31443.2	30759.3	30773.3	31306.0	32128.8	33078.2
15°	35168.0	34460.0	33390.4	32322.2	31099.7	29961.1	29185.6	29235.6	29807.5	30701.1	31665.5
16°	34041.2	33179.0	32047.1	30944.2	29629.8	28412.9	27583.6	27617.0	28233.1	29201.3	30154.8
17°	32850.1	31849.0	30622.8	29462.4	28070.4	26791.5	25961.6	26004.4	26616.2	27585.0	28573.2
18°	31610.0	30495.2	29150.9	27901.9	26466.0	25174.2	24352.8	24346.0	24953.3	25921.0	26932.8
19°	30324.6	29085.9	27607.5	26248.5	24811.6	23526.2	22744.7	22729.3	23275.0	24154.6	25218.4
20°	28966.7	27583.3	25997.6	24571.3	23158.9	21920.9	21147.4	21119.2	21591.3	22353.9	23409.8
21°	27454.9	25942.2	24289.8	22871.3	21477.0	20307.0	19539.3	19495.4	19894.0	20538.1	21518.2
22°	25768.5	24247.6	22548.6	21147.8	19820.2	18682.2	17963.6	17893.8	18252.2	18746.9	19624.4
23°	23932.4	22404.9	20762.4	19396.7	18142.6	17078.5	16405.8	16303.7	16592.7	16998.2	17756.9
24°	21984.5	20521.8	18983.1	17679.0	16516.1	15541.2	14918.2	14803.9	15002.3	15306.0	16003.8
25°	20030.2	18694.8	17264.7	16043.6	14962.8	14115.2	13586.5	13412.6	13521.9	13753.7	14380.0
26°	18054.5	16874.9	15590.2	14472.6	13521.9	12832.9	12401.9	12208.9	12195.6	12376.0	12905.4
27°	16146.4	15165.0	14040.0	13034.1	12254.5	11741.8	11401.1	11193.4	11087.6	11178.8	11659.1
28°	14364.7	13578.4	12646.0	11777.9	11143.4	10798.2	10552.4	10327.1	10161.7	10197.7	10594.0
29°	12842.1	12224.9	11451.1	10711.8	10228.4	10002.7	9840.6	9615.0	9398.1	9383.1	9735.1
30°	11584.6	11079.7	10451.7	9814.1	9443.7	9339.6	9248.7	9015.8	8782.0	8723.4	9028.4
31°	10596.4	10187.9	9619.4	9063.5	8791.8	8789.5	8748.6	8527.3	8266.6	8180.5	8469.5
32°	9825.3	9467.9	8932.1	8456.5	8256.7	8324.8	8332.6	8098.1	7839.0	7730.8	8003.4
33°	9233.7	8904.2	8377.6	7939.8	7803.3	7927.9	7965.3	7730.8	7472.1	7339.3	7608.2
34°	8765.3	8457.2	7921.1	7501.0	7401.2	7578.9	7649.1	7406.4	7141.9	7006.7	7277.3
35°	8386.7	8082.4	7537.1	7115.6	7046.5	7255.6	7347.1	7102.0	6835.8	6697.3	6980.2
36°	8072.2	7763.1	7205.5	6766.4	6729.6	6962.5	7060.2	6819.5	6553.3	6416.4	6702.4
37°	7800.9	7475.1	6909.0	6461.4	6439.9	6681.3	6785.4	6558.7	6270.7	6135.3	6442.6
38°	7549.0	7198.4	6637.0	6183.6	6169.3	6406.6	6524.3	6297.6	5988.2	5854.1	6182.9
39°	7292.7	6923.3	6372.9	5913.0	5898.0	6128.8	6263.2	6036.2	5702.9	5564.0	5922.8
40°	7017.6	6647.9	6095.8	5635.2	5627.7	5835.4	6001.8	5755.4	5426.5	5280.8	5642.7
41°	6731.0	6364.0	5803.0	5355.0	5349.6	5538.9	5702.6	5480.0	5134.1	5002.4	5355.0
42°	6421.9	6063.1	5501.4	5072.8	5064.7	5222.3	5388.7	5182.1	4840.0	4720.5	5064.7
43°	6096.4	5744.5	5205.2	4781.8	4777.0	4895.8	5078.6	4897.9	4540.4	4430.5	4773.9
44°	5755.7	5412.9	4900.9	4499.9	4488.7	4579.9	4771.2	4613.6	4239.8	4146.2	4502.3

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CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	5385.0	5077.9	4600.0	4219.8	4215.3	4284.1	4478.5	4338.6	3956.6	3876.3	4236.8
46°	5009.2	4749.4	4299.4	3947.8	3946.7	3993.4	4161.5	4036.6	3669.3	3643.4	3987.9
47°	4644.2	4423.7	4006.0	3679.9	3646.8	3675.1	3823.9	3678.5	3313.2	3381.0	3713.2
48°	4303.5	4110.8	3696.5	3377.2	3334.4	3377.3	3505.6	3318.8	2955.9	3059.6	3376.1
49°	3942.0	3763.3	3332.4	3052.6	3052.6	3083.4	3207.5	2969.5	2639.2	2739.0	3002.2
50°	3609.4	3401.0	3026.0	2733.5	2771.1	2833.7	2946.1	2665.9	2307.4	2337.5	2668.8
51°	3348.4	3008.9	2721.6	2414.5	2489.5	2585.2	2735.1	2451.5	2052.8	2020.0	2347.2
52°	3024.3	2737.6	2417.1	2194.5	2274.3	2387.3	2547.5	2290.5	1872.7	1762.1	2119.1
53°	2731.4	2466.5	2177.4	2028.7	2069.5	2175.0	2375.8	2158.9	1715.7	1558.6	1976.6
54°	2439.6	2281.7	2009.8	1917.1	1881.2	1962.1	2181.6	2054.2	1583.7	1361.9	1822.4
55°	2237.4	2044.6	1834.9	1793.2	1734.3	1781.3	2009.4	1926.6	1462.3	1192.4	1650.1
56°	2006.4	1843.6	1687.4	1646.2	1633.7	1643.6	1862.7	1805.1	1347.9	1057.2	1473.6
57°	1784.2	1683.2	1542.1	1518.4	1542.6	1516.3	1713.7	1676.1	1257.5	965.9	1325.7
58°	1569.7	1528.5	1412.4	1397.4	1417.5	1371.4	1567.7	1582.1	1167.9	899.2	1194.7
59°	1419.8	1410.7	1300.6	1277.5	1319.1	1249.3	1437.4	1444.5	1058.0	839.0	1087.1
60°	1270.3	1327.6	1199.3	1167.9	1213.3	1097.6	1327.8	1306.8	972.4	784.9	995.2
61°	1135.9	1212.3	1088.5	1072.3	1100.5	974.9	1210.7	1214.6	918.9	740.0	909.2
62°	1015.0	1085.2	987.0	982.3	1001.2	903.0	1106.2	1128.0	851.1	695.1	836.4
63°	914.1	973.5	901.8	900.9	917.0	841.1	1025.9	1040.5	786.0	650.2	774.4
64°	818.7	891.2	828.1	829.5	843.2	770.0	941.6	940.4	724.3	611.3	716.4
65°	737.8	806.3	765.4	764.8	771.0	705.7	858.4	850.6	662.6	574.4	658.4
66°	669.8	730.4	702.8	702.9	703.3	648.0	779.6	769.7	608.4	537.0	604.8
67°	607.8	662.2	643.0	643.9	638.3	597.3	700.8	688.9	555.3	500.1	550.8
68°	549.7	595.8	582.6	583.6	574.9	547.8	622.0	608.4	503.6	464.7	498.1
69°	496.0	534.1	520.7	523.0	515.2	497.5	554.0	542.9	457.1	428.8	454.2
70°	443.8	475.0	464.9	466.4	459.3	450.3	499.5	487.7	414.9	394.0	437.2
71°	397.9	422.6	423.5	414.1	409.1	407.0	480.2	437.4	376.2	359.1	415.5
72°	353.4	375.1	415.1	367.6	363.1	366.0	429.0	390.1	339.6	325.1	373.6
73°	311.9	330.9	371.8	325.0	321.0	326.3	369.9	345.1	303.5	289.8	319.8
74°	275.7	290.5	314.9	287.3	284.1	289.8	317.0	303.3	269.2	256.5	276.4
75°	239.6	250.2	269.9	249.7	247.4	253.5	273.1	263.5	236.4	225.4	239.0
76°	203.4	209.9	225.2	212.2	210.7	217.1	236.2	227.6	205.2	195.4	204.3
77°	172.9	175.5	180.5	178.1	179.2	185.0	203.4	194.3	176.2	166.9	173.5
78°	142.6	142.1	150.7	148.1	151.3	156.1	175.2	163.6	149.2	138.5	145.8
79°	112.4	113.5	124.3	121.6	125.5	128.8	147.4	135.2	124.4	113.7	122.0
80°	87.6	88.3	99.0	98.1	100.4	104.3	119.9	110.0	101.2	92.2	99.8
81°	66.7	66.9	74.9	78.1	81.5	84.6	97.5	90.9	82.7	75.0	80.8
82°	49.6	50.8	57.3	58.5	62.3	66.3	78.8	71.8	64.1	57.9	61.7
83°	35.3	35.7	39.0	40.8	45.1	49.4	60.1	52.7	45.7	40.8	42.7
84°	24.8	25.0	27.5	29.5	33.1	36.4	41.4	38.6	33.9	29.8	29.5
85°	14.3	14.4	16.0	18.3	21.5	24.6	26.2	26.6	22.7	19.5	17.9
86°	3.7	3.9	4.5	7.2	9.8	14.6	14.1	14.3	12.0	10.4	9.2
87°	1.1	1.1	1.2	1.7	3.1	4.7	5.4	5.4	4.7	4.2	4.0
88°	0.5	0.5	0.5	0.6	0.8	1.0	1.3	1.4	1.5	1.6	1.8
89°	0.3	0.3	0.3	0.3	0.3	0.3	0.6	0.6	0.6	0.7	0.7

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CATALOG NUMBER: XSF200-SFTR-5Hx5V-840-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: P1440355

CATALOG NUMBER: XSF200-SFTR-5Hx5V-840-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: P1440355
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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: P1440355

CATALOG NUMBER: XSF200-SFTR-5Hx5V-840-Position 1

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	43317.5	43317.5	43317.5	43317.5	43317.5	43317.5	43317.5	43317.5	43317.5	43317.5	43317.5
1°	43089.4	43160.9	43191.5	43266.4	43317.5	43378.8	43426.4	43450.2	43443.4	43470.7	43480.9
2°	42701.3	42800.1	42898.8	43031.5	43188.1	43327.7	43450.2	43521.7	43555.8	43531.9	43497.9
3°	42221.4	42320.1	42476.7	42674.1	42919.2	43157.5	43395.8	43494.5	43549.0	43504.7	43399.2
4°	41673.3	41795.8	41979.7	42228.2	42575.4	42915.8	43256.2	43409.4	43484.3	43368.5	43167.7
5°	41111.6	41251.2	41441.8	41724.4	42146.5	42595.8	43024.7	43259.6	43334.5	43150.7	42861.3
6°	40549.9	40692.9	40886.9	41220.5	41673.3	42200.9	42718.4	43024.7	43072.4	42857.9	42473.3
7°	39957.6	40165.3	40379.7	40703.1	41169.5	41738.0	42323.5	42677.5	42721.8	42459.6	42037.5
8°	39389.1	39654.6	39892.9	40219.7	40665.7	41234.2	41843.5	42245.2	42299.7	42000.1	41537.1
9°	38779.8	39096.4	39402.7	39729.5	40144.8	40665.7	41275.0	41686.9	41741.4	41445.2	40985.7
10°	38061.5	38453.0	38813.8	39198.5	39566.1	40018.9	40584.0	41016.3	41087.8	40801.8	40444.4
11°	37247.9	37690.5	38129.6	38582.3	38956.8	39283.6	39770.4	40192.5	40294.6	40066.5	39845.3
12°	36291.4	36768.0	37282.0	37867.5	38259.0	38493.8	38854.7	39242.7	39372.1	39249.6	39198.5
13°	35181.6	35682.0	36291.4	37026.7	37476.0	37564.5	37850.5	38197.7	38333.8	38330.4	38473.4
14°	33943.2	34511.0	35161.2	36042.9	36543.3	36584.1	36723.7	37036.9	37190.1	37326.2	37653.0
15°	32623.4	33275.7	33973.2	34922.9	35508.4	35488.0	35518.6	35746.7	35971.4	36230.1	36720.3
16°	31240.3	32021.9	32711.6	33655.9	34259.1	34228.5	34201.2	34334.0	34619.9	35048.9	35658.2
17°	29823.2	30767.8	31464.3	32281.3	32863.1	32876.7	32751.1	32790.2	33158.2	33720.2	34398.7
18°	28310.1	29455.6	30160.9	30828.8	31326.5	31383.0	31179.1	31140.9	31555.9	32316.7	32989.4
19°	26687.3	27997.9	28772.0	29295.9	29649.2	29742.2	29479.0	29383.0	29862.7	30743.7	31398.3
20°	24924.0	26360.5	27196.2	27639.5	27833.1	27972.7	27673.5	27545.2	28045.2	29015.1	29706.8
21°	23035.7	24515.8	25423.4	25803.9	25901.6	26116.1	25785.6	25665.7	26177.7	27194.2	27871.6
22°	21063.0	22546.5	23491.5	23822.1	23922.5	24155.7	23867.7	23763.5	24295.2	25279.0	25960.5
23°	19108.0	20522.1	21470.5	21727.5	21836.1	22146.6	21927.7	21866.4	22379.1	23322.3	23941.2
24°	17193.6	18506.2	19375.3	19677.5	19806.2	20115.7	19989.7	19961.1	20492.2	21331.3	21898.4
25°	15429.9	16540.0	17379.4	17662.6	17781.4	18184.5	18070.5	18090.5	18631.5	19385.5	19861.4
26°	13791.8	14714.7	15451.0	15761.8	15890.1	16214.2	16181.2	16257.8	16782.0	17446.5	17891.1
27°	12394.4	13160.3	13787.0	14081.8	14168.3	14431.8	14428.0	14543.4	15034.0	15623.2	16007.2
28°	11213.9	11830.0	12308.0	12561.9	12620.5	12786.2	12832.9	12976.2	13387.1	13901.8	14263.3
29°	10285.2	10813.5	11160.8	11316.7	11300.3	11373.5	11461.3	11652.3	11975.4	12372.0	12701.8
30°	9555.0	10011.2	10237.2	10275.0	10190.6	10211.7	10353.0	10572.2	10804.0	11056.3	11328.6
31°	8976.3	9405.6	9552.0	9462.1	9300.1	9297.7	9482.5	9721.2	9881.2	9985.7	10219.9
32°	8520.2	8919.8	8986.2	8797.6	8595.4	8570.9	8793.5	9046.8	9152.7	9156.4	9311.6
33°	8146.4	8527.0	8557.3	8274.1	8013.7	8005.1	8241.0	8511.7	8565.5	8479.7	8587.6
34°	7824.0	8215.5	8181.8	7844.5	7553.1	7541.8	7797.1	8074.9	8099.4	7941.1	8009.6
35°	7546.3	7948.6	7863.5	7477.2	7151.7	7154.8	7418.6	7702.9	7709.0	7498.9	7528.6
36°	7291.3	7707.6	7581.7	7150.4	6806.9	6816.8	7091.1	7388.7	7369.9	7117.7	7131.6
37°	7042.5	7472.1	7312.7	6853.9	6523.3	6537.6	6803.1	7098.6	7057.8	6782.0	6785.8
38°	6782.4	7224.6	7048.2	6584.6	6239.4	6258.8	6547.5	6837.2	6770.5	6476.7	6479.1
39°	6512.8	6968.6	6777.6	6315.7	5955.5	5979.7	6291.8	6578.5	6499.8	6189.0	6190.7
40°	6243.2	6696.6	6481.5	6046.4	5666.8	5696.5	6036.2	6309.2	6214.9	5905.8	5908.5
41°	5973.2	6413.0	6185.6	5752.3	5378.5	5413.2	5757.7	6025.6	5924.2	5624.6	5631.1
42°	5655.6	6128.8	5888.1	5436.4	5087.8	5126.3	5466.0	5728.8	5613.1	5333.6	5346.2
43°	5344.8	5813.9	5549.4	5119.1	4789.6	4838.3	5167.8	5407.5	5282.5	5044.2	5053.8
44°	5037.8	5493.9	5213.8	4786.9	4483.2	4542.5	4868.6	5082.0	4935.0	4741.9	4762.7

REPORT NUMBER: P1440355

CATALOG NUMBER: XSF200-SFTR-5Hx5V-840-Position 1

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	4746.7	5184.1	4878.8	4463.1	4175.2	4224.5	4563.6	4763.7	4582.0	4436.9	4471.0
46°	4461.4	4884.9	4575.1	4162.2	3886.8	3917.1	4267.1	4456.0	4233.4	4122.4	4186.1
47°	4147.2	4547.2	4264.7	3893.6	3619.3	3621.6	3973.6	4174.5	3923.3	3821.8	3912.4
48°	3787.8	4198.0	3895.3	3562.1	3323.2	3305.2	3656.0	3869.5	3601.6	3538.6	3647.2
49°	3463.0	3880.0	3535.5	3184.6	2949.2	2925.5	3310.0	3554.2	3275.4	3242.5	3334.4
50°	3188.5	3664.5	3267.9	2846.4	2551.2	2589.4	2942.9	3227.0	3027.2	2944.6	3035.6
51°	2935.0	3390.4	3071.2	2568.0	2184.6	2298.3	2617.7	2990.0	2779.3	2646.6	2684.3
52°	2732.2	3109.2	2842.1	2262.6	1857.3	1993.1	2370.2	2753.9	2531.4	2348.7	2331.6
53°	2612.0	2948.4	2714.3	2112.4	1669.3	1797.3	2209.7	2517.8	2324.1	2132.7	2125.2
54°	2460.9	2799.9	2579.5	1941.2	1473.8	1653.5	2093.2	2307.5	2117.4	1958.6	1967.1
55°	2305.9	2605.9	2371.6	1757.5	1282.1	1523.1	1999.2	2116.1	1922.8	1811.7	1819.1
56°	2087.3	2386.2	2147.2	1584.1	1124.3	1415.9	1899.1	1958.9	1756.5	1697.9	1686.1
57°	1880.2	2156.1	1941.6	1419.9	1017.3	1329.4	1767.0	1789.0	1587.9	1592.5	1557.5
58°	1727.7	1958.0	1758.6	1272.8	944.2	1249.7	1637.5	1631.2	1416.2	1447.2	1440.1
59°	1564.1	1798.9	1588.4	1158.9	880.3	1139.9	1550.7	1507.8	1321.8	1327.6	1328.7
60°	1392.6	1626.3	1421.1	1073.3	823.4	1028.6	1419.4	1381.3	1192.8	1251.0	1226.2
61°	1252.5	1446.8	1267.4	970.9	770.4	944.4	1274.7	1248.8	1049.8	1147.9	1128.8
62°	1132.0	1289.3	1128.1	873.3	723.3	878.8	1167.0	1151.4	946.3	1043.2	1036.0
63°	1018.1	1144.6	1015.1	794.8	676.4	814.0	1083.0	1065.7	857.1	943.7	952.3
64°	931.3	1021.7	915.8	731.2	636.1	753.1	986.1	978.8	780.4	860.3	873.1
65°	846.5	910.3	831.5	667.7	598.0	692.2	896.0	897.8	719.2	789.7	800.3
66°	768.2	818.4	757.2	616.6	560.3	631.4	814.1	821.1	663.0	722.5	734.2
67°	690.0	726.5	682.9	566.2	522.5	579.2	735.1	746.6	613.2	659.4	672.2
68°	612.0	635.0	608.6	515.7	485.5	533.1	656.5	674.6	564.7	598.3	609.6
69°	544.2	556.3	542.3	468.0	449.9	486.4	591.1	606.5	517.6	538.9	546.7
70°	476.7	488.3	481.4	429.7	415.1	441.5	529.6	542.2	471.7	482.7	487.9
71°	417.9	429.5	425.5	403.6	379.7	399.3	475.4	485.5	427.1	428.2	434.4
72°	365.3	376.8	375.4	385.0	344.9	361.0	425.3	447.4	386.0	381.2	386.7
73°	317.6	327.1	328.4	340.3	309.9	324.9	378.3	410.3	346.7	338.1	342.3
74°	272.7	282.0	283.7	289.3	275.1	289.4	333.7	353.7	309.3	300.8	304.3
75°	232.5	241.7	242.2	248.0	242.1	255.6	291.0	301.4	274.1	263.7	264.5
76°	197.7	205.8	206.3	211.0	210.9	223.7	249.9	259.7	238.9	226.5	224.7
77°	166.7	174.2	174.2	179.6	181.0	192.7	214.5	218.0	203.7	193.8	190.8
78°	138.5	145.9	144.9	152.0	151.6	163.2	181.9	185.3	172.9	164.3	159.4
79°	113.7	120.4	118.8	128.2	125.5	137.8	152.7	156.6	145.4	138.5	132.3
80°	91.5	97.4	95.8	105.3	102.5	113.9	125.5	128.2	118.7	113.0	108.0
81°	75.6	80.8	78.9	85.9	84.1	93.5	101.6	103.7	94.4	90.5	86.3
82°	59.6	64.2	62.1	66.6	65.7	73.2	83.2	83.5	74.9	70.9	65.4
83°	43.9	47.6	45.5	47.3	47.5	53.1	64.8	64.9	56.4	52.6	46.5
84°	35.2	38.6	37.0	34.1	37.7	41.3	46.3	47.2	42.9	38.9	31.9
85°	25.3	27.5	26.7	21.4	27.2	30.7	33.8	31.4	32.1	28.0	21.4
86°	13.0	14.0	14.9	11.5	15.7	19.2	21.0	20.0	20.6	17.0	11.1
87°	4.5	4.6	5.3	5.0	6.6	7.9	9.4	8.8	9.0	6.1	3.4
88°	2.1	2.1	2.2	2.2	2.3	2.8	3.2	2.6	2.6	1.6	0.9
89°	0.7	0.8	0.8	1.0	1.0	1.0	0.9	0.7	0.6	0.5	0.3

REPORT NUMBER: P1440355

CATALOG NUMBER: XSF200-SFTR-5Hx5V-840-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: P1440355

CATALOG NUMBER: XSF200-SFTR-5Hx5V-840-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: P1440355
CATALOG NUMBER: XSF200-SFTR-5Hx5V-840-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: P1440355

CATALOG NUMBER: XSF200-SFTR-5Hx5V-840-Position 1

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	43317.5	43317.5	43317.5
1°	43429.8	43412.8	43361.7
2°	43399.2	43297.1	43201.7
3°	43222.2	43052.0	42902.2
4°	42905.6	42663.9	42483.5
5°	42503.9	42190.7	41979.7
6°	42051.2	41686.9	41438.4
7°	41554.2	41176.3	40904.0
8°	41046.9	40679.3	40427.4
9°	40570.4	40209.5	39937.2
10°	40076.8	39726.1	39416.4
11°	39555.9	39188.3	38810.4
12°	39004.5	38565.3	38085.3
13°	38330.4	37779.0	37224.1
14°	37533.9	36876.9	36247.1
15°	36580.7	35859.0	35168.0
16°	35505.0	34762.9	34041.2
17°	34323.8	33592.6	32850.1
18°	33002.0	32362.0	31610.0
19°	31573.9	31094.0	30324.6
20°	30033.9	29767.4	28966.7
21°	28356.4	28285.9	27454.9
22°	26576.0	26624.7	25768.5
23°	24605.7	24801.1	23932.4
24°	22566.3	22807.6	21984.5
25°	20522.1	20781.8	20030.2
26°	18483.7	18710.8	18054.5
27°	16538.9	16714.9	16146.4
28°	14709.9	14818.2	14364.7
29°	13065.7	13142.3	12842.1
30°	11656.1	11727.6	11584.6
31°	10515.7	10646.1	10596.4
32°	9614.3	9802.9	9825.3
33°	8901.8	9154.7	9233.7
34°	8338.4	8656.3	8765.3
35°	7876.8	8251.3	8386.7
36°	7506.8	7927.5	8072.2
37°	7187.5	7648.0	7800.9
38°	6891.0	7389.3	7549.0
39°	6603.3	7123.5	7292.7
40°	6318.7	6839.2	7017.6
41°	6029.7	6548.5	6731.0
42°	5720.6	6246.6	6421.9
43°	5423.5	5939.2	6096.4
44°	5125.6	5611.4	5755.7

REPORT NUMBER: P1440355

CATALOG NUMBER: XSF200-SFTR-5Hx5V-840-Position 1

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	4820.9	5272.0	5385.0
46°	4515.6	4925.8	5009.2
47°	4205.8	4588.4	4644.2
48°	3908.3	4252.8	4303.5
49°	3594.4	3896.7	3942.0
50°	3228.4	3533.1	3609.4
51°	2922.4	3139.5	3348.4
52°	2617.3	2861.7	3024.3
53°	2312.1	2587.0	2731.4
54°	2106.4	2312.4	2439.6
55°	1938.0	2142.7	2237.4
56°	1815.2	1975.1	2006.4
57°	1666.5	1779.7	1784.2
58°	1523.0	1608.9	1569.7
59°	1394.0	1465.5	1419.8
60°	1275.0	1309.6	1270.3
61°	1171.0	1172.1	1135.9
62°	1065.4	1067.2	1015.0
63°	963.7	968.7	914.1
64°	875.7	879.3	818.7
65°	798.2	795.3	737.8
66°	721.3	720.9	669.8
67°	646.3	658.2	607.8
68°	579.8	597.0	549.7
69°	517.2	538.8	496.0
70°	464.0	482.5	443.8
71°	416.0	431.3	397.9
72°	381.5	384.5	353.4
73°	364.9	338.5	311.9
74°	324.1	298.3	275.7
75°	270.9	258.1	239.6
76°	225.8	218.0	203.4
77°	194.5	183.3	172.9
78°	163.3	150.7	142.6
79°	132.1	120.8	112.4
80°	106.1	94.1	87.6
81°	81.2	70.8	66.7
82°	60.7	51.9	49.6
83°	43.3	37.9	35.3
84°	30.9	26.9	24.8
85°	18.7	16.0	14.3
86°	6.4	5.0	3.7
87°	1.6	1.3	1.1
88°	0.6	0.6	0.5
89°	0.3	0.3	0.3

REPORT NUMBER: P1440355

CATALOG NUMBER: XSF200-SFTR-5Hx5V-840-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: P1440355

CATALOG NUMBER: XSF200-SFTR-5Hx5V-840-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: P1440355

CATALOG NUMBER: XSF200-SFTR-5Hx5V-840-Position 1

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)