

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: P1440278

Luminaire Tested: XSF60-KNYK-4Hx4V-850-Position 4

Issue Date: 04/15/2026

Test Information

Test Method: LM-79-2024
Report Number: P1440278
Test Lab: THIRD PARTY NVLAP
Issue Date: 7/15/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XSF60-KNYK-4Hx4V-850-Position 4
Description: LUMARK ALL SELECTABLE LUMINAIRE 60W w/ NEMA 4 FLOOD DISTRIBUTION 5000K CCT 80 CRI LIGHT ENGINE AT Position 4
Light Source: (1) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4179.6 lumens
Efficiency: N/A
Efficacy: 167.2 lumens/watt
Luminous Opening: Rectangular (W 0.3' x L: 0.3' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G0

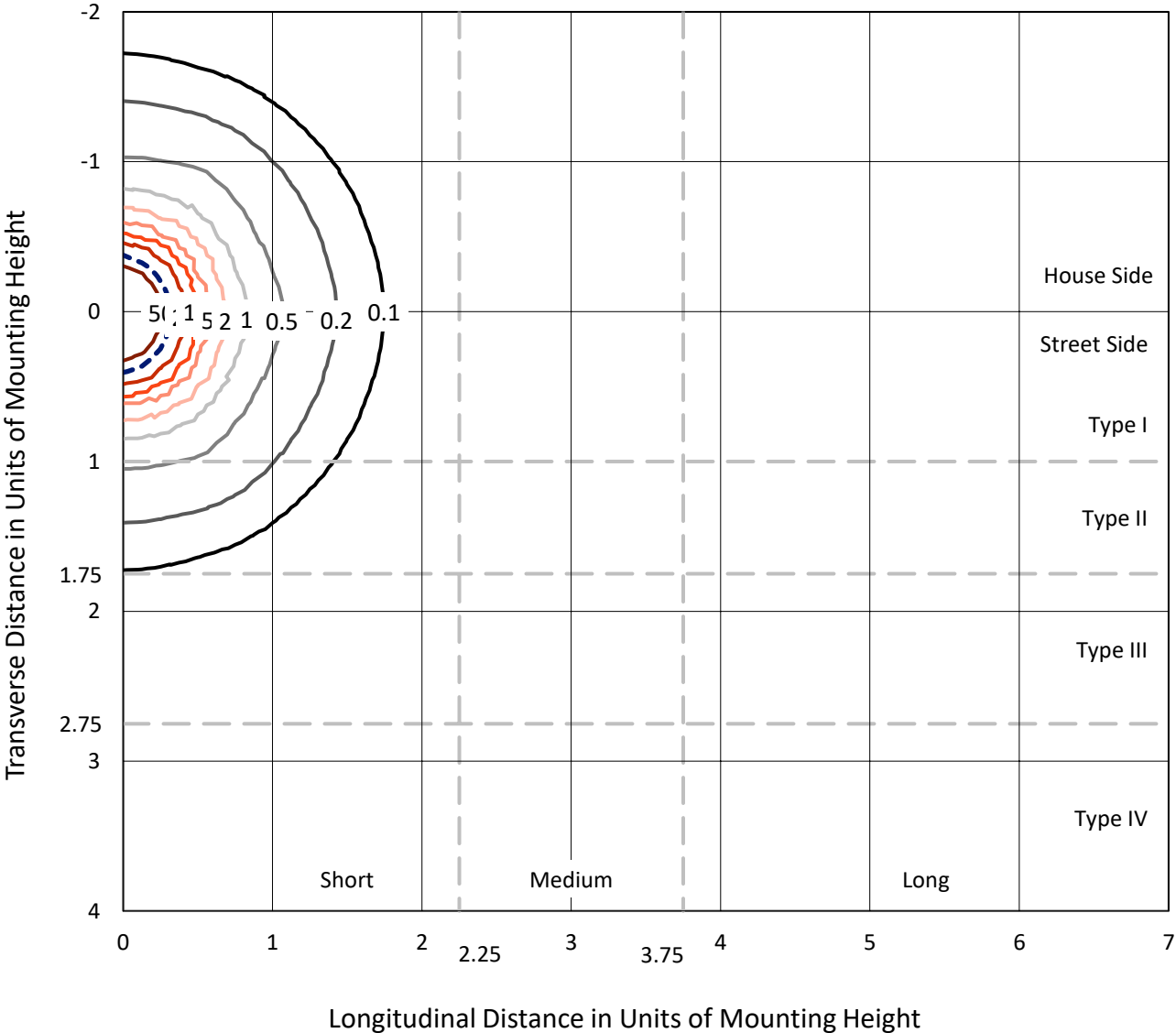
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

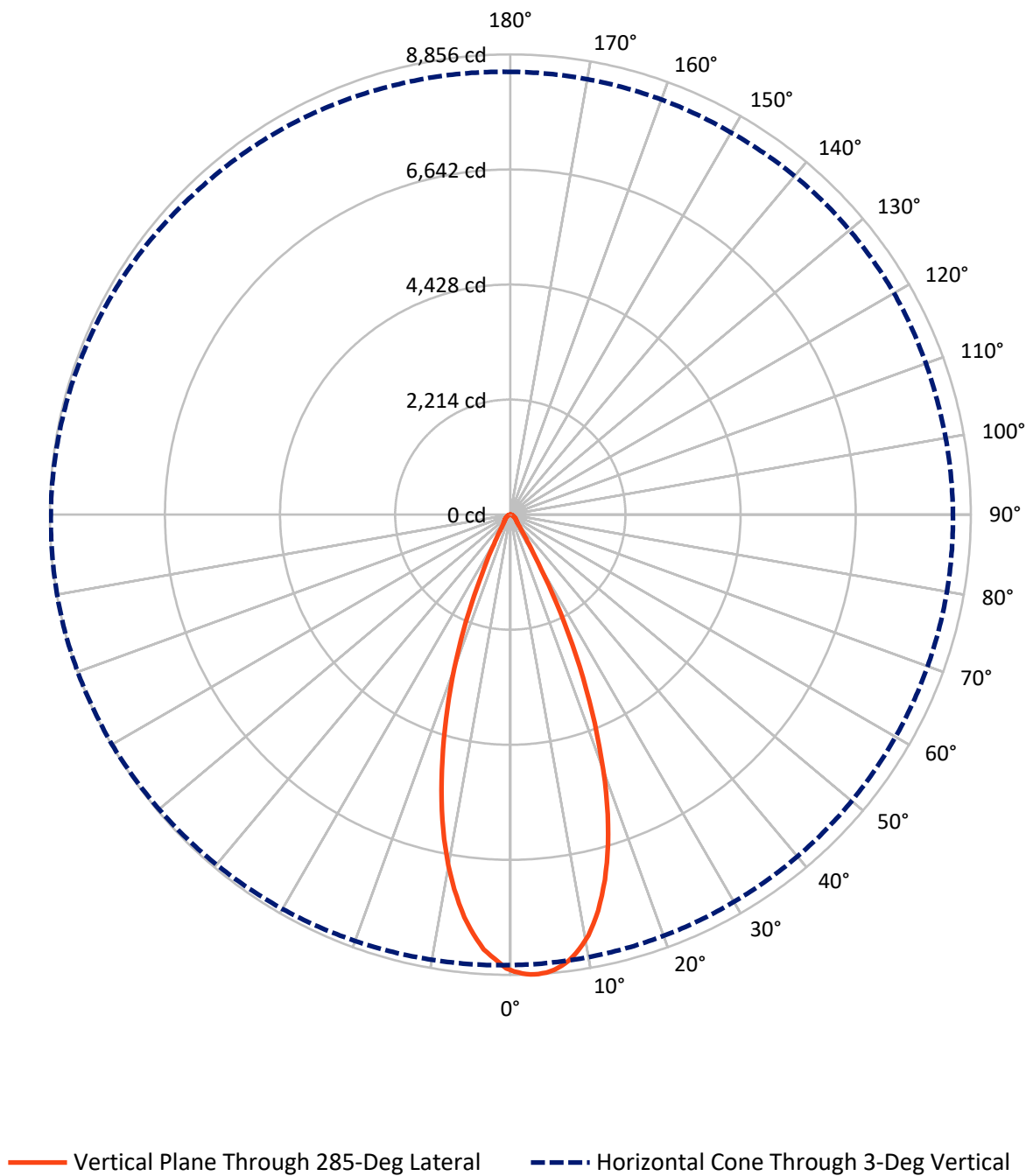


Based on 10 foot mounting height. Maximum calculated value = 87.9 fc
Type I - Short - N/A

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Luminous Intensity Polar Plot



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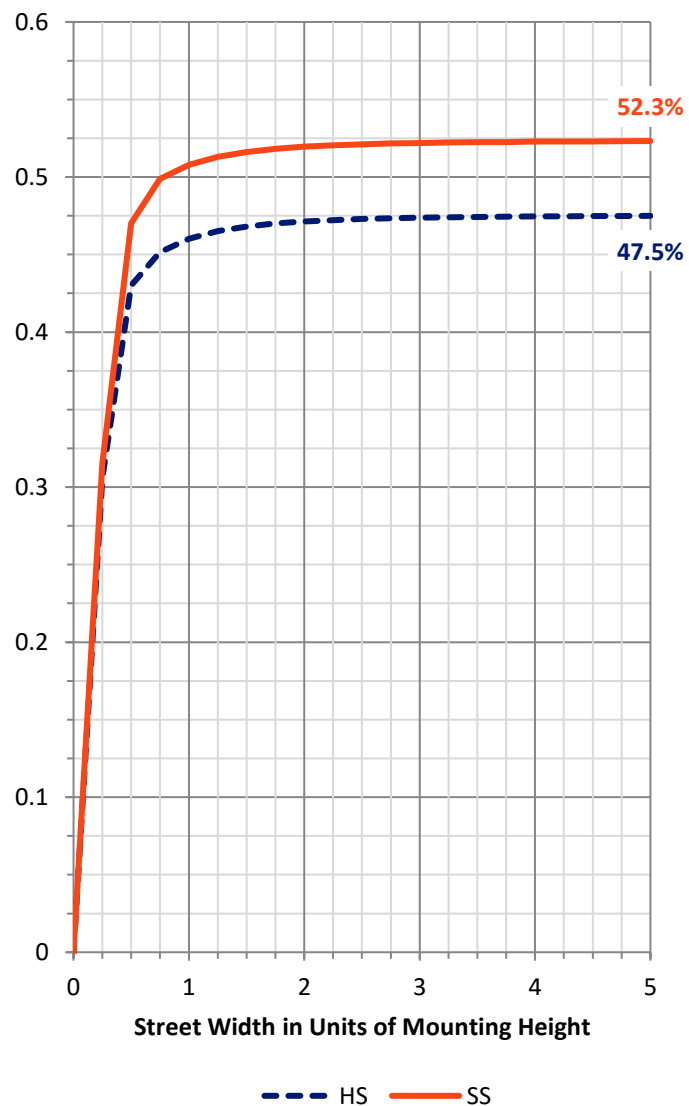
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2012.8	0.0	2012.8
	% Fixture	48.2	0.0	48.2
Street Side	Lumens	2166.8	0.0	2166.8
	% Fixture	51.8	0.0	51.8
Total	Lumens	4179.6	0.0	4179.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	778.4	18.6
10°-20°	1730.8	41.4
20°-30°	1108.4	26.5
30°-40°	247.0	5.9
40°-50°	128.6	3.1
50°-60°	93.5	2.2
60°-70°	60.2	1.4
70°-80°	28.8	0.7
80°-90°	4.0	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°	4179.6	100.0
0°-180°	4179.6	100.0

Coefficient of Utilization



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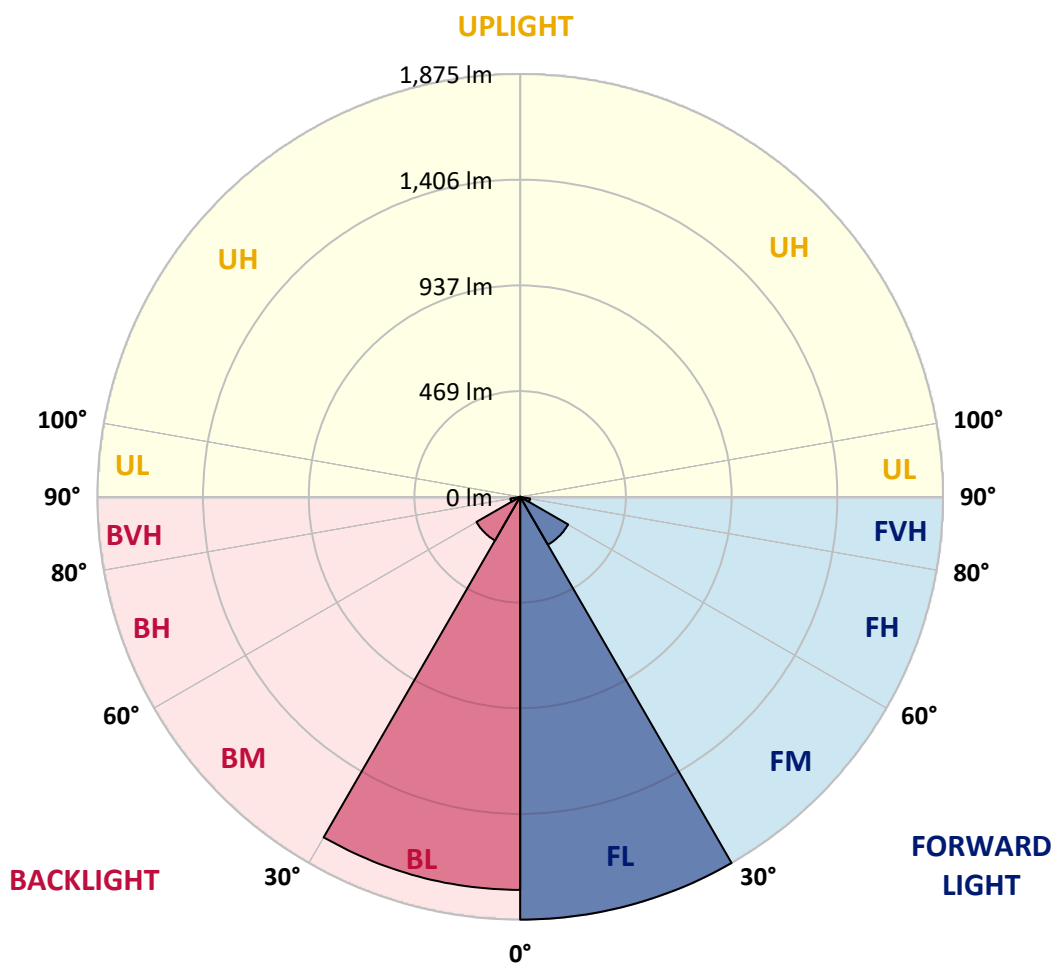
CATALOG NUMBER: XSF60-KNYK-4Hx4V-850-Position 4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1874.7	44.9			
FM	(30°-60°)	245.5	5.9			
FH	(60°-80°)	44.7	1.1			G0/660
FVH	(80°-90°)	1.9	0.0			G0/10
BL	(0°-30°)	1742.9	41.7	B3/2500		
BM	(30°-60°)	223.5	5.3	B1/1000		
BH	(60°-80°)	44.3	1.1	B0/110		G0/110
BVH	(80°-90°)	2.1	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	8790.8	8790.8	8790.8	8790.8	8790.8	8790.8	8790.8	8790.8	8790.8	8790.8	8790.8
1°	8794.0	8783.5	8766.7	8752.1	8739.4	8726.2	8733.0	8730.3	8726.2	8725.3	8725.3
2°	8752.1	8727.1	8698.5	8681.2	8659.8	8646.2	8623.4	8613.9	8625.2	8620.7	8607.5
3°	8668.5	8635.7	8602.5	8580.2	8554.3	8533.8	8513.4	8497.4	8522.9	8515.2	8489.7
4°	8556.1	8519.7	8481.1	8450.6	8424.2	8396.5	8402.8	8379.2	8366.9	8366.0	8371.4
5°	8426.5	8381.9	8340.1	8303.7	8265.0	8226.8	8233.6	8205.0	8195.9	8200.0	8213.6
6°	8288.7	8240.4	8191.3	8136.7	8084.9	8037.6	8034.4	8008.9	8007.6	8020.8	8056.2
7°	8156.3	8100.8	8032.6	7956.6	7886.6	7828.8	7817.0	7796.1	7792.9	7831.5	7892.5
8°	8031.7	7966.2	7873.4	7767.0	7671.0	7589.6	7575.0	7548.2	7561.4	7626.4	7719.6
9°	7906.1	7832.0	7709.2	7565.5	7432.6	7332.6	7303.9	7286.2	7313.0	7402.2	7536.3
10°	7783.8	7682.3	7536.3	7353.0	7182.5	7060.1	7014.2	7001.9	7050.6	7169.7	7333.9
11°	7640.5	7519.1	7343.5	7127.9	6923.2	6760.8	6706.7	6700.8	6767.2	6910.9	7107.9
12°	7458.6	7329.8	7138.4	6887.3	6652.1	6454.3	6371.9	6370.6	6464.7	6632.6	6852.3
13°	7249.3	7106.1	6895.0	6623.9	6357.8	6126.8	6024.4	6024.0	6140.4	6333.7	6571.6
14°	7008.3	6852.3	6616.2	6336.0	6050.8	5781.5	5652.4	5661.5	5796.1	6009.9	6258.7
15°	6747.2	6570.7	6308.3	6025.8	5709.7	5417.7	5272.1	5280.3	5433.1	5659.6	5915.3
16°	6467.5	6265.0	5971.7	5690.6	5348.1	5037.0	4879.1	4891.9	5050.2	5293.5	5545.0
17°	6180.4	5947.6	5630.1	5328.1	4976.0	4647.6	4490.3	4500.7	4658.1	4906.9	5166.1
18°	5898.9	5621.0	5272.1	4955.5	4592.1	4270.9	4105.3	4110.1	4259.5	4506.3	4773.2
19°	5594.6	5283.5	4901.9	4564.4	4192.8	3889.3	3723.5	3721.8	3857.2	4084.4	4359.8
20°	5270.3	4926.9	4520.8	4146.6	3810.0	3507.6	3349.1	3342.9	3466.4	3660.4	3932.1
21°	4907.3	4535.3	4109.4	3754.2	3427.2	3125.9	2972.0	2962.9	3072.0	3233.4	3477.5
22°	4494.2	4198.2	3697.2	3362.4	3036.1	2745.3	2599.3	2589.4	2682.2	2810.3	3027.5
23°	4031.5	3721.7	3284.9	2957.7	2651.7	2372.2	2233.6	2221.7	2303.6	2403.0	2589.5
24°	3568.1	3241.6	2867.7	2564.4	2277.1	2013.4	1882.7	1867.5	1936.3	2016.0	2177.5
25°	3104.6	2789.5	2460.8	2182.0	1919.6	1685.8	1569.0	1547.1	1598.2	1663.9	1801.1
26°	2635.7	2357.9	2073.0	1824.6	1592.3	1394.9	1297.0	1267.4	1301.6	1354.3	1463.1
27°	2161.5	1943.7	1713.9	1505.7	1310.6	1148.2	1109.1	1081.1	1105.1	1146.7	1183.4
28°	1725.8	1564.8	1392.3	1228.4	1068.9	941.8	921.3	894.8	908.7	939.0	1001.4
29°	1368.2	1250.2	1130.3	1001.1	877.6	777.0	733.8	709.1	714.1	733.4	819.4
30°	1071.9	994.2	911.8	816.0	722.1	642.2	612.0	589.5	590.9	605.4	638.4
31°	845.2	796.3	740.1	670.6	598.6	536.7	515.2	496.0	496.6	508.9	530.9
32°	671.4	640.8	608.7	557.4	502.8	456.3	440.4	422.2	423.8	434.9	449.4
33°	548.0	527.5	506.8	469.6	427.0	405.5	382.3	365.8	367.4	376.8	387.9
34°	454.7	442.0	430.5	416.5	379.9	355.2	338.3	321.8	322.4	332.4	341.3
35°	401.1	392.2	385.6	363.4	333.2	304.9	303.4	287.4	287.2	296.9	305.8
36°	348.2	343.0	340.8	310.4	286.6	274.9	276.2	260.3	259.6	269.3	278.7
37°	295.3	293.9	296.1	277.9	258.2	250.8	254.2	238.4	236.8	246.5	257.0
38°	264.8	264.6	269.6	252.3	235.5	231.1	236.0	220.2	218.5	228.2	239.9
39°	240.6	240.9	248.7	231.1	216.9	214.7	221.2	205.6	203.4	213.3	226.1
40°	220.9	221.8	231.7	213.4	201.7	201.1	208.9	193.3	190.8	201.0	214.6
41°	204.9	206.1	217.7	199.5	189.0	189.8	198.6	183.0	180.3	190.7	205.1
42°	191.0	193.1	205.8	187.8	178.4	180.3	190.0	174.1	171.2	182.1	196.6
43°	179.3	182.1	195.6	177.9	168.9	171.8	182.5	166.6	163.6	174.8	189.1
44°	169.0	172.6	186.5	169.3	160.5	164.3	175.8	160.0	156.5	168.4	182.6

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CATALOG NUMBER: XSF60-KNYK-4Hx4V-850-Position 4

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	160.0	164.1	178.4	161.7	153.1	157.5	169.7	153.9	150.1	162.3	176.0
46°	151.8	156.4	171.0	155.1	146.5	151.4	163.8	148.1	144.2	156.4	169.0
47°	144.7	149.5	164.3	149.3	140.4	145.7	157.4	142.4	138.6	150.2	161.3
48°	138.1	143.0	158.0	143.8	134.8	139.8	150.9	136.8	133.4	144.2	153.5
49°	131.7	136.5	151.2	138.3	129.4	134.1	144.5	131.4	128.3	137.9	145.5
50°	125.6	130.2	144.1	132.9	124.3	128.5	137.8	126.0	123.3	131.8	137.7
51°	120.1	123.8	136.6	127.1	119.3	122.8	131.0	120.6	118.6	125.8	130.1
52°	114.9	117.6	129.0	121.4	114.3	116.9	124.3	115.4	113.7	119.8	122.8
53°	110.1	111.8	121.7	115.6	109.5	111.3	118.1	110.2	108.9	113.9	115.8
54°	105.4	106.0	114.5	110.0	104.7	105.9	111.8	105.4	104.3	108.1	109.0
55°	100.8	100.5	107.5	104.4	100.1	100.7	106.0	100.6	99.7	102.6	103.2
56°	96.2	95.1	100.9	98.8	95.6	96.0	101.1	95.9	95.2	97.2	97.6
57°	91.8	90.2	94.6	93.4	91.3	91.5	96.2	91.2	90.7	91.7	92.0
58°	87.2	85.4	89.2	88.2	87.0	87.2	91.3	86.8	86.6	86.4	86.9
59°	83.0	80.9	84.2	83.0	83.0	83.2	86.9	82.6	82.5	81.4	82.1
60°	78.6	76.5	79.2	77.9	78.8	79.3	82.6	78.5	78.5	76.7	77.5
61°	74.5	72.4	74.5	73.1	74.7	75.6	78.6	74.8	74.4	72.5	73.2
62°	70.5	68.5	70.2	69.0	70.9	72.0	75.4	71.3	70.6	68.8	69.7
63°	66.6	64.9	66.4	65.2	67.2	68.7	73.0	68.0	66.9	65.4	66.7
64°	62.8	61.7	63.4	61.8	63.5	65.3	70.7	64.8	63.3	62.1	63.9
65°	59.0	58.4	60.7	58.5	59.9	62.1	67.9	61.5	59.7	58.8	60.8
66°	55.3	55.3	58.1	55.2	56.3	58.8	64.8	58.1	56.0	55.6	57.1
67°	51.7	52.3	54.7	51.9	52.6	55.7	61.4	54.9	52.3	52.5	52.9
68°	48.1	49.0	50.6	48.7	48.7	52.2	57.6	51.4	48.3	49.2	48.5
69°	44.2	45.8	46.5	45.2	44.6	48.6	53.6	47.8	44.1	45.8	45.6
70°	40.6	42.2	43.0	41.6	40.8	44.9	50.5	44.2	39.8	42.2	48.7
71°	36.9	38.8	43.9	37.9	36.9	41.2	55.4	40.5	36.1	38.6	50.6
72°	33.2	35.4	44.8	34.3	33.1	37.4	50.7	36.7	32.7	34.9	46.8
73°	30.0	31.9	45.8	30.6	29.6	33.7	42.7	33.1	29.4	31.0	38.8
74°	27.0	28.4	38.0	27.2	26.3	30.1	35.9	29.5	26.2	27.3	33.0
75°	24.0	24.8	30.4	23.7	23.2	26.6	30.9	26.3	23.2	24.0	28.8
76°	21.2	21.6	25.2	20.6	20.3	23.2	27.2	23.4	20.2	20.8	25.0
77°	18.3	18.5	21.2	17.7	17.5	19.8	24.0	20.2	17.5	17.6	21.6
78°	15.5	15.3	18.0	14.9	14.9	16.6	21.0	17.0	14.8	14.6	18.3
79°	12.8	12.4	15.0	12.2	12.4	13.6	18.0	14.0	12.3	12.1	15.4
80°	10.2	9.7	12.1	9.7	10.0	11.0	15.0	11.6	10.2	9.7	12.6
81°	8.0	7.4	9.2	7.5	7.9	8.7	12.2	9.2	8.0	7.2	10.1
82°	5.9	5.4	6.8	5.5	6.0	6.6	9.9	6.9	5.9	5.5	7.7
83°	4.7	4.3	4.6	4.3	4.6	5.1	7.5	5.3	4.6	4.3	5.3
84°	3.5	3.3	3.1	3.1	3.6	3.9	5.2	4.3	3.7	3.4	3.7
85°	2.3	2.2	1.5	1.9	2.6	2.7	3.2	3.2	2.7	2.4	2.2
86°	0.5	0.5	0.5	0.9	1.1	1.5	1.7	1.7	1.4	1.3	1.0
87°	0.1	0.1	0.1	0.2	0.3	0.5	0.7	0.6	0.5	0.5	0.4
88°	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2
89°	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1

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CATALOG NUMBER: XSF60-KNYK-4Hx4V-850-Position 4

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: P1440278

CATALOG NUMBER: XSF60-KNYK-4Hx4V-850-Position 4

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: P1440278
CATALOG NUMBER: XSF60-KNYK-4Hx4V-850-Position 4

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: P1440278

CATALOG NUMBER: XSF60-KNYK-4Hx4V-850-Position 4

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	8790.8	8790.8	8790.8	8790.8	8790.8	8790.8	8790.8	8790.8	8790.8	8790.8	8790.8
1°	8737.6	8744.0	8759.4	8772.6	8787.6	8799.9	8810.8	8824.0	8832.7	8835.8	8832.7
2°	8620.2	8632.5	8658.9	8715.8	8752.1	8788.5	8818.1	8843.6	8855.4	8854.5	8836.3
3°	8502.9	8521.1	8558.4	8618.4	8668.5	8747.1	8804.0	8839.5	8856.3	8845.8	8805.4
4°	8385.1	8409.6	8457.4	8520.6	8585.2	8675.3	8769.4	8818.6	8838.1	8813.1	8749.9
5°	8240.4	8269.1	8318.2	8394.2	8501.5	8603.4	8720.3	8784.0	8801.3	8751.7	8666.6
6°	8092.6	8132.2	8183.1	8261.4	8381.4	8530.6	8628.4	8724.4	8736.7	8676.6	8567.9
7°	7949.8	7999.8	8059.0	8137.2	8259.1	8409.6	8536.1	8635.3	8650.7	8576.6	8454.7
8°	7806.1	7872.9	7938.4	8016.2	8129.5	8284.1	8443.8	8525.2	8537.9	8459.2	8329.6
9°	7654.1	7735.6	7811.1	7893.9	8000.3	8140.4	8298.7	8386.9	8396.5	8317.3	8196.8
10°	7480.9	7580.0	7671.0	7766.5	7859.7	7980.3	8125.8	8215.0	8235.4	8155.8	8057.1
11°	7278.0	7391.2	7504.5	7621.9	7711.9	7800.2	7927.1	8009.4	8029.4	7971.2	7908.4
12°	7045.1	7168.8	7299.8	7447.6	7543.6	7598.7	7698.3	7770.1	7800.6	7768.3	7752.4
13°	6778.1	6906.8	7060.6	7243.9	7354.0	7375.8	7443.6	7503.6	7542.7	7537.7	7569.1
14°	6480.6	6616.2	6787.2	7008.3	7130.6	7133.3	7171.6	7212.5	7259.8	7285.7	7368.1
15°	6160.4	6324.2	6497.0	6734.9	6874.5	6867.3	6873.6	6891.4	6947.8	7017.4	7137.0
16°	5827.0	6023.5	6200.0	6428.3	6575.7	6562.5	6552.1	6542.5	6613.9	6723.1	6876.4
17°	5491.8	5728.8	5902.1	6103.1	6245.9	6238.7	6203.6	6166.8	6256.9	6404.7	6572.5
18°	5132.5	5417.7	5599.6	5754.3	5872.5	5876.6	5825.7	5761.5	5858.9	6049.9	6225.0
19°	4740.9	5075.2	5267.1	5390.4	5470.4	5487.3	5405.4	5334.4	5445.4	5669.7	5847.0
20°	4319.8	4681.7	4897.8	4990.1	5033.3	5062.0	4980.6	4890.0	5005.1	5250.7	5423.1
21°	3860.6	4246.8	4467.3	4554.4	4573.9	4617.6	4522.1	4442.3	4560.3	4807.7	4979.7
22°	3387.9	3765.5	3998.7	4076.9	4097.2	4154.9	4073.0	3992.1	4112.0	4353.1	4516.7
23°	2911.8	3268.7	3496.9	3576.9	3606.1	3680.4	3607.7	3541.8	3663.6	3888.1	4034.3
24°	2453.5	2765.3	2988.3	3074.2	3117.1	3212.7	3153.2	3091.6	3215.1	3422.8	3551.7
25°	2018.3	2277.1	2485.2	2586.7	2646.7	2745.9	2704.3	2645.4	2773.4	2957.5	3069.1
26°	1628.7	1829.7	2018.2	2132.5	2205.9	2297.8	2258.7	2213.9	2338.3	2515.2	2609.2
27°	1299.1	1443.7	1606.8	1735.2	1804.2	1876.3	1845.8	1804.5	1920.3	2083.1	2175.4
28°	1085.8	1199.6	1259.2	1379.5	1451.5	1495.8	1469.8	1442.6	1540.4	1684.8	1774.2
29°	872.5	955.5	1049.8	1154.5	1156.1	1180.2	1159.4	1140.8	1216.2	1336.2	1421.8
30°	660.9	712.2	840.3	929.4	949.9	960.5	947.5	904.2	954.5	1045.6	1118.0
31°	541.3	578.3	634.1	707.0	744.0	741.9	735.7	725.3	758.6	821.9	882.6
32°	451.5	477.9	519.1	577.0	604.2	599.2	594.8	591.3	612.6	654.0	700.0
33°	385.4	403.5	435.6	481.3	500.4	491.6	490.7	492.3	505.5	530.9	564.9
34°	335.8	347.9	371.9	410.3	421.2	412.8	414.0	416.3	426.0	441.0	464.8
35°	297.1	304.9	324.3	356.9	362.0	353.3	356.4	368.7	379.1	389.9	409.1
36°	267.8	272.2	288.2	317.4	316.7	308.9	312.8	321.6	332.8	339.3	353.8
37°	243.9	246.7	259.4	286.7	282.3	275.1	279.6	289.5	286.4	288.7	298.5
38°	224.9	226.2	237.0	263.4	255.4	248.3	252.9	265.2	259.7	259.8	267.5
39°	209.3	209.7	219.2	245.0	234.1	227.6	231.7	245.1	238.0	236.4	243.2
40°	196.6	195.9	204.7	230.1	216.9	210.1	214.2	228.7	220.1	217.3	223.4
41°	186.0	184.3	192.6	217.8	202.7	195.9	199.9	215.1	205.5	201.3	207.7
42°	177.0	174.3	182.6	207.1	191.3	183.7	187.6	203.9	192.8	187.7	194.4
43°	169.3	165.8	174.0	197.8	181.6	173.5	177.1	194.5	182.0	176.2	183.4
44°	162.5	158.1	166.6	189.5	173.2	164.4	168.1	186.3	172.8	166.2	174.0

REPORT NUMBER: P1440278

CATALOG NUMBER: XSF60-KNYK-4Hx4V-850-Position 4

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	156.2	151.4	160.2	182.2	165.8	156.3	160.2	179.2	164.8	157.7	166.0
46°	150.2	145.2	154.4	175.3	159.3	149.1	153.3	172.8	157.5	149.8	158.8
47°	144.1	139.2	148.5	168.6	153.3	142.5	147.0	166.8	151.1	142.8	152.4
48°	137.9	133.6	142.6	161.5	147.5	136.5	141.6	161.2	145.3	136.7	146.6
49°	131.7	128.3	136.7	153.6	141.5	131.0	136.7	155.6	140.2	131.2	141.3
50°	125.6	123.2	130.9	145.7	135.3	125.8	131.6	149.6	135.4	126.0	136.2
51°	119.6	118.3	125.1	137.6	129.1	120.6	126.4	142.8	130.0	121.0	131.0
52°	113.7	113.3	119.4	129.8	122.9	115.5	121.0	135.8	124.4	116.1	125.6
53°	108.0	108.6	113.5	122.2	116.7	110.7	115.8	128.5	118.9	111.3	120.1
54°	102.7	104.1	107.8	114.8	110.5	105.9	110.5	121.2	113.4	106.7	114.3
55°	97.6	99.6	102.3	107.6	104.3	101.2	105.4	113.9	107.6	102.0	108.4
56°	92.5	95.0	96.9	101.5	98.8	96.5	100.2	107.1	102.1	97.4	102.3
57°	88.0	90.5	91.4	95.4	93.4	91.8	95.1	100.6	96.6	92.8	96.4
58°	83.5	86.3	86.3	89.3	87.9	87.3	90.0	95.0	91.6	88.3	91.0
59°	79.1	82.2	81.0	84.2	83.0	83.1	85.3	90.0	86.7	83.9	85.7
60°	74.8	78.2	76.0	79.1	78.2	78.9	80.6	85.3	82.0	79.7	80.4
61°	71.1	74.2	71.6	74.3	73.7	74.9	76.2	80.8	77.5	75.5	75.2
62°	67.7	70.4	67.9	70.3	69.5	71.0	72.2	76.6	73.2	71.6	70.4
63°	64.6	66.6	64.7	66.9	65.8	67.3	68.8	73.1	69.5	67.7	66.2
64°	61.6	62.9	61.6	64.3	62.4	63.6	65.7	70.7	66.1	64.0	62.6
65°	58.5	59.0	58.6	61.7	59.3	60.1	62.7	69.0	62.9	60.5	59.4
66°	55.3	55.3	55.5	58.8	56.1	56.5	59.7	67.1	59.8	56.9	56.3
67°	52.1	51.8	52.5	55.2	53.0	53.0	56.4	64.5	56.6	53.5	53.2
68°	48.7	47.9	49.2	51.0	50.0	49.3	53.2	61.5	53.5	49.9	50.2
69°	45.3	43.8	45.7	47.1	46.8	45.5	50.0	58.0	50.3	46.2	47.0
70°	41.8	39.9	42.3	45.0	43.4	41.5	46.6	54.1	47.0	42.2	43.7
71°	38.3	36.4	38.9	45.7	39.9	37.8	43.0	50.2	43.6	38.6	40.1
72°	34.7	33.2	35.4	47.8	36.3	34.4	39.4	49.8	39.9	35.1	36.6
73°	31.1	30.1	31.9	42.4	32.6	31.0	35.6	48.2	36.2	31.6	33.0
74°	27.6	27.1	28.3	34.6	29.0	27.7	31.9	41.0	32.6	28.3	29.4
75°	24.3	24.1	24.8	29.2	25.5	24.6	28.4	35.0	28.8	25.1	25.9
76°	21.1	21.2	21.7	24.9	22.1	21.7	25.0	28.9	25.4	22.1	22.5
77°	18.1	18.4	18.7	21.5	18.9	18.8	22.0	24.8	22.4	19.2	19.4
78°	15.2	15.7	15.7	18.4	15.8	16.1	18.9	21.4	19.0	16.5	16.4
79°	12.6	13.2	12.9	15.6	13.0	13.6	15.9	18.2	15.7	13.8	13.5
80°	10.4	11.0	10.7	12.9	10.7	11.3	12.9	15.3	12.8	11.4	10.9
81°	8.3	8.8	8.5	10.4	8.4	9.0	10.7	12.5	10.1	9.1	8.7
82°	6.1	6.7	6.3	8.0	6.1	6.8	8.4	10.0	7.8	7.0	6.5
83°	5.3	5.8	5.4	5.6	4.8	5.2	6.2	7.7	5.9	5.2	4.6
84°	5.1	5.7	5.2	4.2	4.4	4.6	5.1	5.6	4.9	4.1	3.6
85°	4.1	4.5	4.3	2.6	3.6	3.8	4.3	4.0	3.6	3.1	2.6
86°	2.1	2.3	2.4	1.3	2.2	2.5	2.8	2.5	2.3	2.0	1.5
87°	0.6	0.6	0.7	0.6	0.9	0.8	1.0	0.9	1.0	0.7	0.4
88°	0.2	0.3	0.3	0.2	0.3	0.3	0.4	0.3	0.3	0.2	0.1
89°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0

REPORT NUMBER: P1440278

CATALOG NUMBER: XSF60-KNYK-4Hx4V-850-Position 4

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: P1440278

CATALOG NUMBER: XSF60-KNYK-4Hx4V-850-Position 4

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: P1440278
CATALOG NUMBER: XSF60-KNYK-4Hx4V-850-Position 4

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: P1440278

CATALOG NUMBER: XSF60-KNYK-4Hx4V-850-Position 4

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	8790.8	8790.8	8790.8
1°	8822.2	8809.0	8794.0
2°	8810.8	8781.3	8752.1
3°	8761.7	8713.0	8668.5
4°	8678.0	8609.3	8556.1
5°	8574.3	8491.5	8426.5
6°	8451.9	8355.5	8288.7
7°	8326.0	8225.9	8156.3
8°	8203.6	8103.1	8031.7
9°	8077.2	7985.7	7906.1
10°	7957.1	7867.0	7783.8
11°	7832.4	7738.3	7640.5
12°	7696.9	7583.6	7458.6
13°	7531.3	7394.4	7249.3
14°	7333.5	7171.1	7008.3
15°	7105.6	6925.0	6747.2
16°	6842.7	6659.9	6467.5
17°	6552.5	6375.1	6180.4
18°	6235.9	6081.3	5898.9
19°	5893.9	5784.3	5594.6
20°	5509.5	5465.4	5270.3
21°	5111.6	5114.3	4907.3
22°	4673.5	4716.3	4494.2
23°	4219.6	4274.2	4031.5
24°	3730.2	3784.3	3568.1
25°	3240.6	3294.1	3104.6
26°	2751.1	2803.9	2635.7
27°	2286.6	2316.6	2161.5
28°	1853.3	1849.8	1725.8
29°	1475.4	1452.4	1368.2
30°	1154.7	1129.2	1071.9
31°	905.7	880.1	845.2
32°	717.4	696.7	671.4
33°	577.0	562.0	548.0
34°	476.3	464.1	454.7
35°	421.1	409.1	401.1
36°	366.6	354.7	348.2
37°	312.1	300.2	295.3
38°	282.0	269.6	264.8
39°	259.7	245.3	240.6
40°	241.5	225.5	220.9
41°	227.4	209.6	204.9
42°	215.5	196.1	191.0
43°	205.5	184.7	179.3
44°	196.4	174.8	169.0

REPORT NUMBER: P1440278

CATALOG NUMBER: XSF60-KNYK-4Hx4V-850-Position 4

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	188.1	166.1	160.0
46°	180.3	158.2	151.8
47°	173.2	151.1	144.7
48°	166.4	145.1	138.1
49°	159.8	139.3	131.7
50°	153.2	133.8	125.6
51°	146.2	128.4	120.1
52°	138.5	122.8	114.9
53°	130.6	117.4	110.1
54°	122.4	112.0	105.4
55°	114.6	106.4	100.8
56°	106.7	100.9	96.2
57°	99.6	95.2	91.8
58°	93.0	89.6	87.2
59°	87.1	84.0	83.0
60°	82.0	78.7	78.6
61°	77.1	73.7	74.5
62°	72.3	69.1	70.5
63°	68.0	65.2	66.6
64°	64.6	61.8	62.8
65°	61.5	58.6	59.0
66°	59.1	55.6	55.3
67°	56.4	52.6	51.7
68°	52.6	49.4	48.1
69°	48.4	46.2	44.2
70°	44.5	42.8	40.6
71°	44.2	39.4	36.9
72°	44.0	35.9	33.2
73°	43.8	32.4	30.0
74°	39.8	29.1	27.0
75°	32.5	25.8	24.0
76°	26.8	22.3	21.2
77°	22.5	19.1	18.3
78°	19.0	16.1	15.5
79°	15.9	13.1	12.8
80°	12.9	10.4	10.2
81°	10.0	7.9	8.0
82°	7.4	5.8	5.9
83°	5.2	4.7	4.7
84°	3.7	3.7	3.5
85°	2.3	2.6	2.3
86°	0.8	0.7	0.5
87°	0.2	0.1	0.1
88°	0.1	0.1	0.1
89°	0.0	0.0	0.0

REPORT NUMBER: P1440278

CATALOG NUMBER: XSF60-KNYK-4Hx4V-850-Position 4

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: P1440278

CATALOG NUMBER: XSF60-KNYK-4Hx4V-850-Position 4

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: P1440278

CATALOG NUMBER: XSF60-KNYK-4Hx4V-850-Position 4

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)