

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: P1440277

Luminaire Tested: XSF60-KNYK-4Hx4V-850-Position 3

Issue Date: 04/15/2026

Test Information

Test Method: LM-79-2024
Report Number: P1440277
Test Lab: THIRD PARTY NVLAP
Issue Date: 7/15/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XSF60-KNYK-4Hx4V-850-Position 3
Description: LUMARK ALL SELECTABLE LUMINAIRE 60W w/ NEMA 4 FLOOD DISTRIBUTION 5000K CCT 80 CRI LIGHT ENGINE AT Position 3
Light Source: (1) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5912.8 lumens
Efficiency: N/A
Efficacy: 164.2 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): 36
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

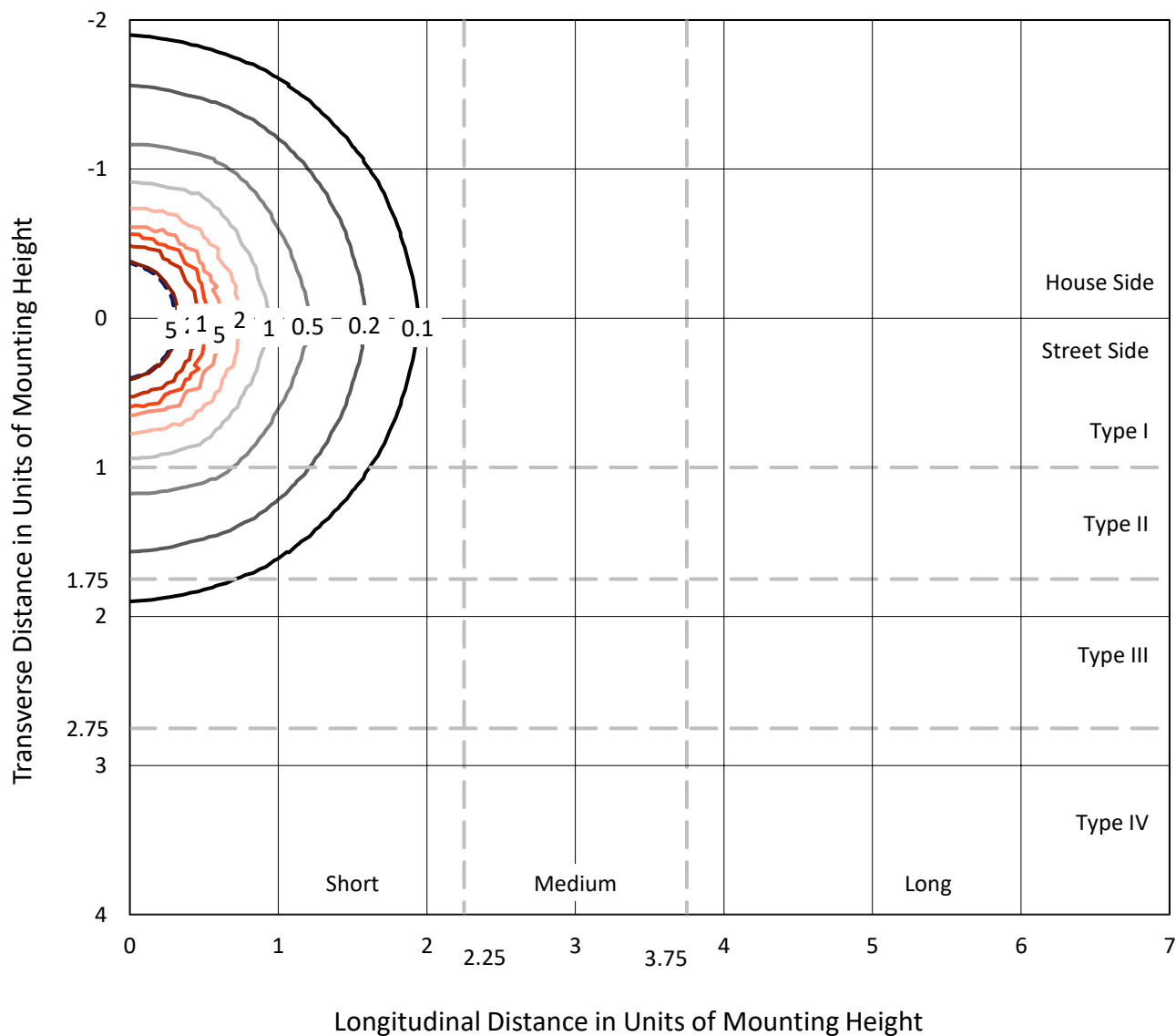
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CATALOG NUMBER: XSF60-KNYK-4Hx4V-850-Position 3

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



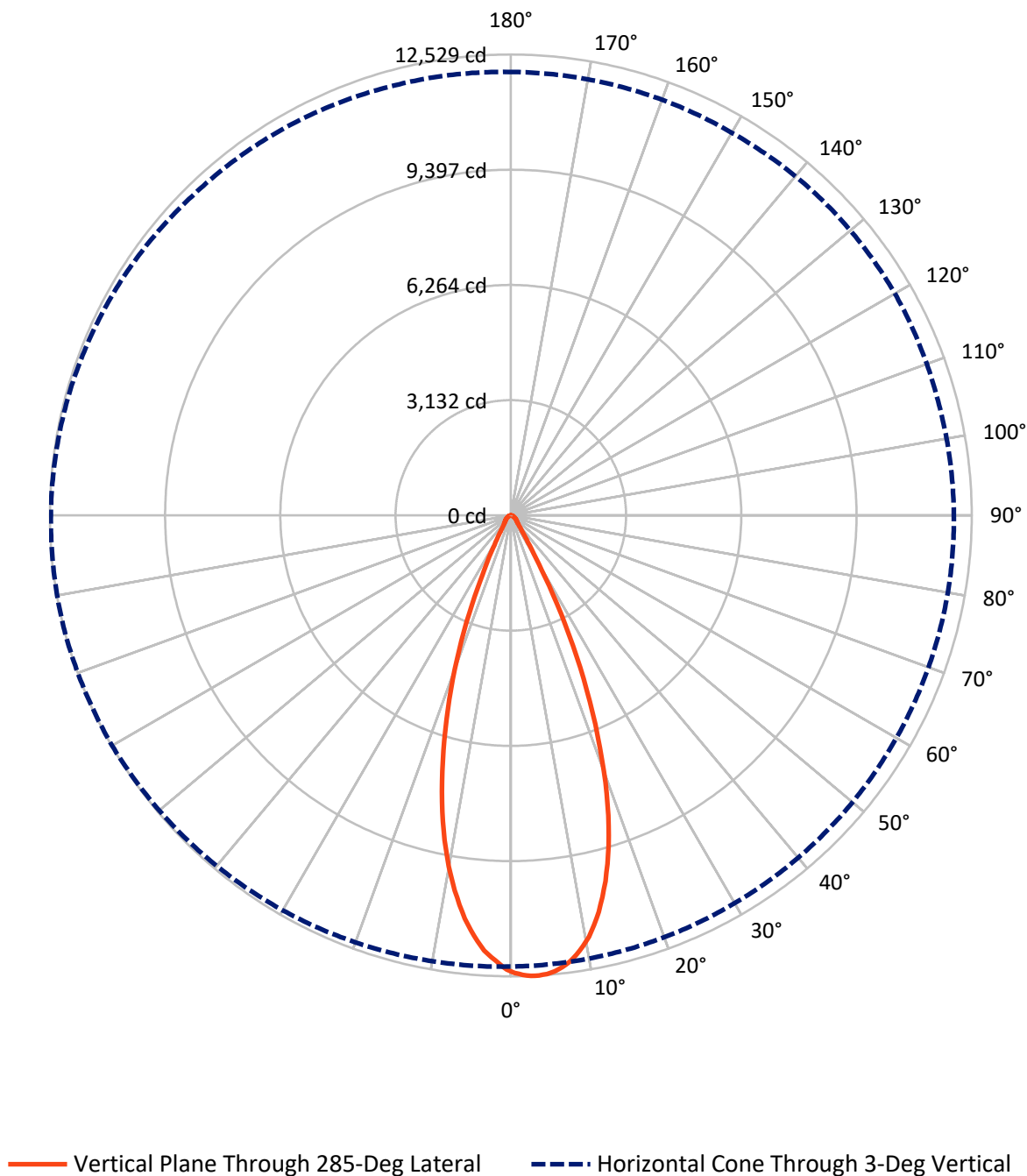
Based on 10 foot mounting height. Maximum calculated value = 124.4 fc

Type I - Short - N/A

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CATALOG NUMBER: XSF60-KNYK-4Hx4V-850-Position 3

Luminous Intensity Polar Plot



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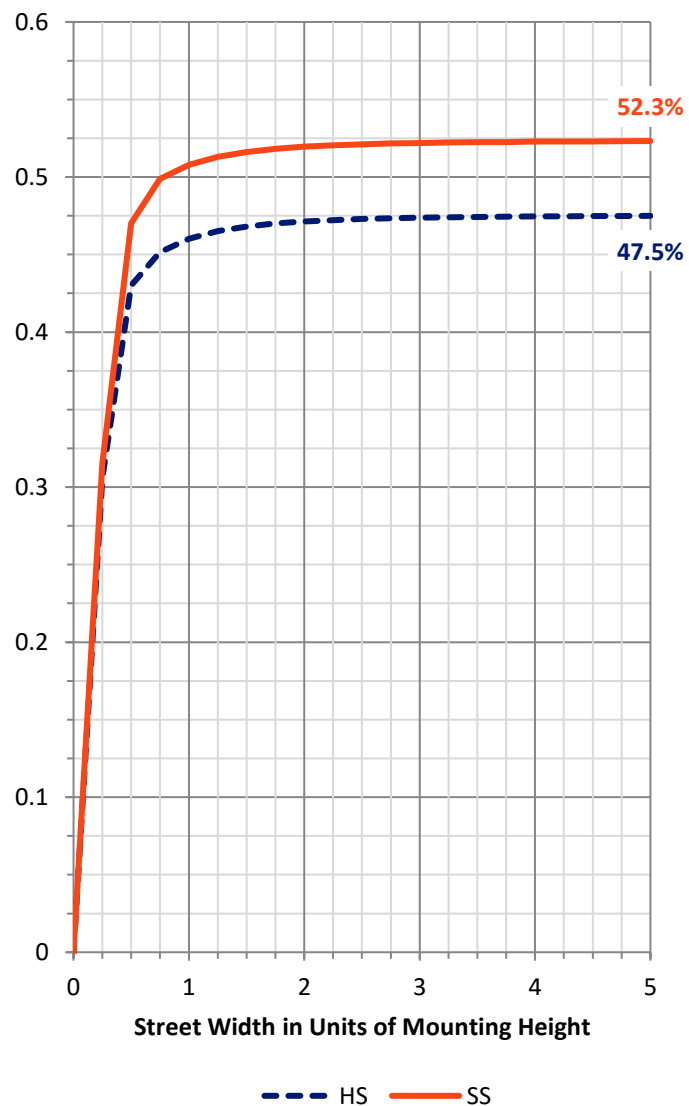
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2847.5	0.0	2847.5
	% Fixture	48.2	0.0	48.2
Street Side	Lumens	3065.3	0.0	3065.3
	% Fixture	51.8	0.0	51.8
Total	Lumens	5912.8	0.0	5912.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1101.1	18.6
10°-20°	2448.5	41.4
20°-30°	1568.1	26.5
30°-40°	349.4	5.9
40°-50°	181.9	3.1
50°-60°	132.3	2.2
60°-70°	85.2	1.4
70°-80°	40.7	0.7
80°-90°	5.6	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°	5912.8	100.0
0°-180°	5912.8	100.0

Coefficient of Utilization



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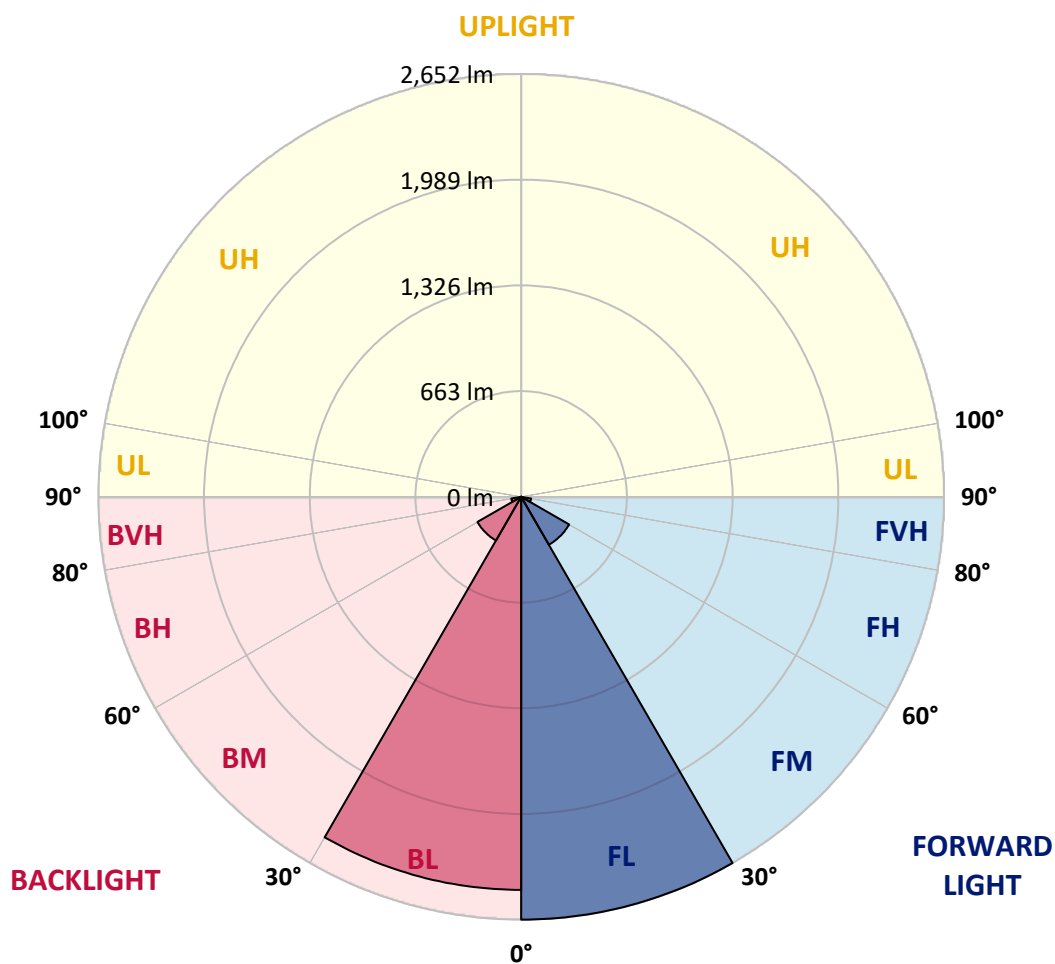
CATALOG NUMBER: XSF60-KNYK-4Hx4V-850-Position 3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2652.1	44.9			
FM	(30°-60°)	347.3	5.9			
FH	(60°-80°)	63.2	1.1			G0/660
FVH	(80°-90°)	2.7	0.0			G0/10
BL	(0°-30°)	2465.6	41.7	B3/2500		
BM	(30°-60°)	316.2	5.3	B1/1000		
BH	(60°-80°)	62.7	1.1	B0/110		G0/110
BVH	(80°-90°)	3.0	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°	12436.0	12436.0	12436.0	12436.0	12436.0	12436.0	12436.0	12436.0	12436.0	12436.0	12436.0
1°	12440.5	12425.7	12401.9	12381.3	12363.3	12344.6	12354.3	12350.4	12344.6	12343.3	12343.3
2°	12381.3	12345.9	12305.4	12280.9	12250.7	12231.4	12199.2	12185.7	12201.8	12195.3	12176.7
3°	12262.9	12216.6	12169.6	12138.1	12101.4	12072.4	12043.5	12021.0	12057.0	12046.1	12010.0
4°	12104.0	12052.5	11997.8	11954.7	11917.4	11878.1	11887.1	11853.7	11836.3	11835.0	11842.7
5°	11920.6	11857.5	11798.3	11746.9	11692.2	11638.1	11647.8	11607.2	11594.4	11600.2	11619.5
6°	11725.6	11657.4	11587.9	11510.7	11437.4	11370.4	11365.9	11329.9	11328.0	11346.6	11396.8
7°	11538.4	11459.9	11363.4	11255.9	11156.8	11075.1	11058.4	11028.8	11024.3	11079.0	11165.2
8°	11362.1	11269.4	11138.2	10987.6	10851.8	10736.6	10716.0	10678.1	10696.7	10788.8	10920.7
9°	11184.5	11079.6	10905.9	10702.5	10514.6	10373.1	10332.6	10307.5	10345.4	10471.5	10661.4
10°	11011.4	10867.9	10661.4	10402.0	10160.7	9987.7	9922.7	9905.3	9974.1	10142.7	10375.0
11°	10808.7	10636.9	10388.5	10083.5	9794.0	9564.3	9487.7	9479.3	9573.3	9776.6	10055.2
12°	10551.3	10369.2	10098.3	9743.1	9410.5	9130.6	9014.1	9012.2	9145.4	9382.8	9693.6
13°	10255.3	10052.6	9754.1	9370.6	8994.2	8667.3	8522.5	8521.9	8686.6	8960.1	9296.6
14°	9914.3	9693.6	9359.7	8963.3	8559.8	8178.9	7996.2	8009.0	8199.5	8501.9	8853.9
15°	9545.0	9295.3	8924.0	8524.5	8077.3	7664.2	7458.3	7469.8	7686.0	8006.5	8368.1
16°	9149.2	8862.9	8447.9	8050.2	7565.7	7125.6	6902.3	6920.3	7144.2	7488.5	7844.3
17°	8743.2	8413.8	7964.6	7537.4	7039.4	6574.8	6352.3	6366.9	6589.6	6941.6	7308.3
18°	8344.9	7951.8	7458.3	7010.4	6496.3	6041.8	5807.6	5814.4	6025.8	6374.9	6752.4
19°	7914.5	7474.3	6934.5	6457.0	5931.4	5502.0	5267.5	5265.0	5456.7	5778.1	6167.7
20°	7455.7	6969.9	6395.3	5866.0	5389.8	4962.0	4737.8	4729.1	4903.8	5178.2	5562.6
21°	6942.2	6415.9	5813.4	5310.9	4848.3	4422.1	4204.3	4191.4	4345.9	4574.2	4919.4
22°	6357.7	5939.0	5230.2	4756.7	4295.0	3883.6	3677.1	3663.1	3794.4	3975.6	4282.8
23°	5703.2	5264.9	4647.1	4184.2	3751.3	3355.9	3159.8	3143.0	3258.8	3399.4	3663.2
24°	5047.6	4585.7	4056.8	3627.7	3221.2	2848.3	2663.3	2641.9	2739.2	2852.0	3080.5
25°	4392.0	3946.2	3481.2	3086.8	2715.6	2384.8	2219.6	2188.6	2261.0	2353.8	2548.0
26°	3728.7	3335.6	2932.6	2581.2	2252.5	1973.3	1834.8	1793.0	1841.4	1915.9	2069.9
27°	3057.8	2749.7	2424.6	2130.1	1854.0	1624.3	1569.1	1529.4	1563.4	1622.1	1674.1
28°	2441.4	2213.7	1969.6	1737.8	1512.2	1332.4	1303.4	1265.8	1285.5	1328.3	1416.6
29°	1935.6	1768.7	1599.0	1416.2	1241.5	1099.1	1038.1	1003.1	1010.2	1037.6	1159.2
30°	1516.4	1406.5	1289.9	1154.4	1021.5	908.4	865.8	833.9	836.0	856.4	903.1
31°	1195.7	1126.4	1047.0	948.7	846.8	759.2	728.9	701.6	702.5	720.0	751.0
32°	949.9	906.6	861.1	788.6	711.3	645.5	623.0	597.3	599.6	615.3	635.8
33°	775.2	746.3	717.0	664.3	604.0	573.6	540.9	517.5	519.7	533.1	548.8
34°	643.3	625.2	609.0	589.2	537.5	502.5	478.6	455.3	456.1	470.2	482.9
35°	567.5	554.8	545.4	514.1	471.4	431.4	429.3	406.6	406.3	420.0	432.6
36°	492.6	485.3	482.1	439.1	405.4	388.9	390.7	368.2	367.2	381.0	394.2
37°	417.7	415.7	418.8	393.2	365.3	354.9	359.6	337.2	334.9	348.7	363.6
38°	374.5	374.3	381.3	357.0	333.1	327.0	333.8	311.6	309.1	322.9	339.3
39°	340.4	340.8	351.8	326.9	306.8	303.7	313.0	290.8	287.7	301.7	319.9
40°	312.5	313.8	327.8	301.9	285.3	284.5	295.5	273.4	270.0	284.3	303.7
41°	289.8	291.6	308.0	282.2	267.4	268.5	281.0	258.9	255.1	269.8	290.2
42°	270.2	273.2	291.2	265.7	252.3	255.0	268.8	246.3	242.3	257.6	278.1
43°	253.7	257.5	276.8	251.7	239.0	243.1	258.2	235.6	231.4	247.2	267.6
44°	239.1	244.2	263.8	239.5	227.1	232.4	248.7	226.3	221.3	238.2	258.3

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CATALOG NUMBER: XSF60-KNYK-4Hx4V-850-Position 3

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	226.4	232.1	252.4	228.7	216.5	222.8	240.1	217.8	212.3	229.7	249.0
46°	214.7	221.3	241.9	219.4	207.2	214.2	231.8	209.5	204.0	221.3	239.1
47°	204.7	211.5	232.4	211.2	198.6	206.1	222.7	201.4	196.1	212.5	228.1
48°	195.3	202.3	223.5	203.4	190.7	197.7	213.4	193.6	188.7	203.9	217.1
49°	186.3	193.1	214.0	195.7	183.1	189.7	204.4	185.9	181.5	195.1	205.9
50°	177.7	184.1	203.9	188.0	175.8	181.8	195.0	178.2	174.4	186.4	194.8
51°	169.9	175.1	193.3	179.8	168.7	173.7	185.3	170.6	167.7	178.0	184.1
52°	162.5	166.4	182.6	171.7	161.7	165.4	175.9	163.3	160.9	169.5	173.7
53°	155.7	158.2	172.2	163.6	154.9	157.5	167.0	155.9	154.1	161.2	163.8
54°	149.1	149.9	162.0	155.6	148.1	149.8	158.1	149.0	147.5	153.0	154.2
55°	142.6	142.1	152.1	147.7	141.6	142.5	150.0	142.4	141.1	145.2	146.0
56°	136.1	134.6	142.7	139.8	135.3	135.8	143.0	135.6	134.7	137.5	138.0
57°	129.9	127.6	133.9	132.2	129.1	129.5	136.1	128.9	128.3	129.8	130.1
58°	123.4	120.8	126.2	124.7	123.1	123.4	129.1	122.7	122.5	122.2	123.0
59°	117.4	114.5	119.1	117.4	117.4	117.7	122.9	116.8	116.7	115.2	116.2
60°	111.2	108.3	112.1	110.2	111.4	112.2	116.9	111.1	111.0	108.5	109.7
61°	105.4	102.4	105.4	103.5	105.7	107.0	111.2	105.8	105.2	102.6	103.5
62°	99.8	96.9	99.3	97.6	100.4	101.9	106.6	100.9	99.8	97.4	98.6
63°	94.2	91.8	94.0	92.3	95.0	97.1	103.3	96.3	94.7	92.5	94.3
64°	88.8	87.2	89.6	87.4	89.9	92.4	100.0	91.7	89.6	87.8	90.4
65°	83.5	82.7	85.9	82.8	84.8	87.8	96.0	86.9	84.5	83.1	86.0
66°	78.3	78.3	82.2	78.2	79.6	83.2	91.7	82.2	79.3	78.6	80.8
67°	73.2	74.0	77.4	73.5	74.4	78.8	86.8	77.6	74.0	74.2	74.8
68°	68.0	69.4	71.6	68.9	68.9	73.9	81.5	72.7	68.4	69.7	68.6
69°	62.6	64.8	65.9	63.9	63.2	68.7	75.8	67.7	62.4	64.8	64.5
70°	57.4	59.7	60.8	58.8	57.7	63.6	71.4	62.5	56.3	59.8	68.9
71°	52.2	54.9	62.1	53.6	52.2	58.3	78.3	57.2	51.1	54.6	71.6
72°	47.0	50.0	63.4	48.5	46.8	52.9	71.7	52.0	46.3	49.3	66.2
73°	42.5	45.2	64.8	43.3	41.9	47.6	60.4	46.8	41.5	43.9	54.9
74°	38.2	40.1	53.8	38.4	37.3	42.6	50.8	41.7	37.0	38.7	46.7
75°	34.0	35.0	43.0	33.6	32.8	37.7	43.7	37.2	32.8	34.0	40.8
76°	29.9	30.5	35.6	29.2	28.7	32.8	38.4	33.1	28.6	29.4	35.4
77°	25.9	26.1	30.0	25.0	24.8	28.0	33.9	28.6	24.7	24.9	30.5
78°	21.9	21.7	25.4	21.1	21.0	23.4	29.7	24.0	20.9	20.7	25.9
79°	18.1	17.5	21.2	17.2	17.5	19.3	25.4	19.8	17.4	17.2	21.8
80°	14.5	13.8	17.1	13.7	14.2	15.6	21.2	16.4	14.4	13.7	17.8
81°	11.3	10.5	13.0	10.6	11.1	12.3	17.3	13.1	11.3	10.2	14.3
82°	8.3	7.7	9.6	7.8	8.4	9.4	14.0	9.7	8.3	7.7	10.9
83°	6.6	6.1	6.5	6.1	6.4	7.2	10.6	7.5	6.6	6.0	7.5
84°	5.0	4.6	4.3	4.4	5.0	5.5	7.3	6.1	5.3	4.8	5.3
85°	3.3	3.1	2.2	2.7	3.6	3.8	4.5	4.6	3.8	3.4	3.1
86°	0.7	0.7	0.7	1.2	1.6	2.1	2.4	2.5	2.0	1.8	1.5
87°	0.2	0.2	0.2	0.3	0.5	0.7	0.9	0.8	0.6	0.7	0.6
88°	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.3
89°	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1

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CATALOG NUMBER: XSF60-KNYK-4Hx4V-850-Position 3

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: P1440277

CATALOG NUMBER: XSF60-KNYK-4Hx4V-850-Position 3

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: P1440277
CATALOG NUMBER: XSF60-KNYK-4Hx4V-850-Position 3

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: P1440277

CATALOG NUMBER: XSF60-KNYK-4Hx4V-850-Position 3

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	12436.0	12436.0	12436.0	12436.0	12436.0	12436.0	12436.0	12436.0	12436.0	12436.0	12436.0
1°	12360.7	12369.7	12391.6	12410.3	12431.5	12448.9	12464.3	12483.0	12495.2	12499.7	12495.2
2°	12194.7	12212.1	12249.4	12329.8	12381.3	12432.8	12474.6	12510.6	12527.4	12526.1	12500.3
3°	12028.7	12054.4	12107.2	12192.1	12262.9	12374.2	12454.7	12504.8	12528.7	12513.9	12456.6
4°	11862.0	11896.8	11964.3	12053.8	12145.2	12272.6	12405.8	12475.2	12502.9	12467.5	12378.1
5°	11657.4	11698.0	11767.4	11874.9	12026.8	12170.9	12336.3	12426.3	12450.8	12380.7	12260.3
6°	11448.3	11504.3	11576.3	11687.0	11856.9	12067.9	12206.3	12342.1	12359.4	12274.5	12120.7
7°	11246.3	11317.0	11400.7	11511.4	11683.8	11896.8	12075.7	12215.9	12237.8	12132.9	11960.5
8°	11042.9	11137.5	11230.2	11340.2	11500.4	11719.2	11945.0	12060.2	12078.2	11966.9	11783.5
9°	10828.0	10943.2	11050.0	11167.1	11317.7	11515.9	11739.8	11864.6	11878.1	11766.2	11595.6
10°	10582.9	10723.1	10851.8	10986.9	11118.8	11289.4	11495.3	11621.4	11650.3	11537.7	11398.1
11°	10295.9	10456.1	10616.3	10782.3	10909.7	11034.6	11214.1	11330.5	11358.9	11276.5	11187.7
12°	9966.4	10141.4	10326.8	10535.9	10671.7	10749.5	10890.4	10992.1	11035.2	10989.5	10967.0
13°	9588.7	9770.8	9988.3	10247.6	10403.3	10434.2	10530.1	10615.0	10670.4	10663.3	10707.7
14°	9167.9	9359.7	9601.6	9914.3	10087.4	10091.3	10145.3	10203.2	10270.1	10306.8	10423.3
15°	8714.9	8946.6	9191.1	9527.6	9725.1	9714.8	9723.8	9748.9	9828.7	9927.2	10096.4
16°	8243.3	8521.2	8770.9	9093.9	9302.4	9283.7	9268.9	9255.4	9356.4	9510.9	9727.7
17°	7769.0	8104.3	8349.4	8633.8	8835.9	8825.6	8776.0	8723.9	8851.3	9060.4	9297.9
18°	7260.7	7664.2	7921.5	8140.3	8307.6	8313.4	8241.3	8150.6	8288.3	8558.6	8806.3
19°	6706.7	7179.6	7451.2	7625.5	7738.8	7762.6	7646.8	7546.4	7703.4	8020.6	8271.6
20°	6111.1	6623.1	6928.7	7059.3	7120.4	7161.0	7045.8	6917.8	7080.5	7428.0	7671.9
21°	5461.4	6007.7	6319.7	6442.9	6470.6	6532.3	6397.3	6284.3	6451.2	6801.3	7044.5
22°	4792.8	5326.9	5656.8	5767.4	5796.2	5877.7	5761.9	5647.4	5817.1	6158.2	6389.6
23°	4119.2	4624.1	4946.9	5060.1	5101.4	5206.5	5103.6	5010.5	5182.7	5500.3	5707.2
24°	3470.8	3911.9	4227.5	4348.9	4409.6	4544.9	4460.7	4373.6	4548.2	4842.0	5024.5
25°	2855.2	3221.2	3515.8	3659.2	3744.2	3884.5	3825.6	3742.3	3923.4	4183.8	4341.8
26°	2304.1	2588.3	2855.0	3016.7	3120.6	3250.6	3195.3	3131.9	3307.9	3558.2	3691.1
27°	1837.8	2042.4	2273.1	2454.8	2552.3	2654.4	2611.1	2552.8	2716.5	2946.8	3077.4
28°	1536.0	1697.0	1781.4	1951.5	2053.4	2116.1	2079.3	2040.8	2179.1	2383.4	2509.9
29°	1234.3	1351.7	1485.1	1633.2	1635.5	1669.6	1640.2	1613.9	1720.5	1890.2	2011.4
30°	934.9	1007.5	1188.7	1314.8	1343.8	1358.7	1340.4	1279.1	1350.3	1479.1	1581.5
31°	765.8	818.1	897.1	1000.1	1052.5	1049.5	1040.8	1026.1	1073.1	1162.7	1248.6
32°	638.7	676.0	734.4	816.2	854.7	847.6	841.4	836.6	866.7	925.2	990.3
33°	545.2	570.8	616.3	680.8	707.9	695.4	694.2	696.5	715.1	751.0	799.1
34°	475.1	492.1	526.1	580.4	595.9	584.0	585.7	589.0	602.6	623.9	657.5
35°	420.2	431.4	458.8	504.9	512.1	499.8	504.1	521.6	536.4	551.6	578.7
36°	378.8	385.1	407.7	449.0	448.1	437.0	442.5	454.9	470.8	480.0	500.5
37°	345.0	349.0	367.0	405.6	399.3	389.2	395.6	409.6	405.2	408.4	422.3
38°	318.1	320.0	335.3	372.6	361.3	351.2	357.8	375.1	367.4	367.6	378.4
39°	296.1	296.7	310.1	346.6	331.2	322.0	327.8	346.7	336.7	334.5	344.0
40°	278.1	277.1	289.6	325.6	306.8	297.2	303.1	323.5	311.4	307.4	316.1
41°	263.1	260.8	272.4	308.1	286.8	277.2	282.7	304.3	290.7	284.7	293.8
42°	250.4	246.6	258.3	293.0	270.6	259.9	265.3	288.5	272.7	265.5	275.0
43°	239.5	234.5	246.2	279.8	257.0	245.4	250.5	275.2	257.5	249.2	259.5
44°	229.8	223.7	235.7	268.1	245.0	232.6	237.8	263.5	244.4	235.1	246.2

REPORT NUMBER: P1440277

CATALOG NUMBER: XSF60-KNYK-4Hx4V-850-Position 3

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	221.0	214.2	226.6	257.7	234.5	221.2	226.6	253.5	233.1	223.1	234.8
46°	212.5	205.3	218.4	248.0	225.3	210.9	216.8	244.4	222.9	211.9	224.6
47°	203.8	196.9	210.1	238.6	216.8	201.6	208.0	236.0	213.8	202.1	215.5
48°	195.0	189.0	201.8	228.4	208.6	193.1	200.3	228.1	205.6	193.3	207.3
49°	186.4	181.5	193.4	217.2	200.1	185.3	193.4	220.2	198.3	185.6	199.8
50°	177.7	174.2	185.1	206.1	191.4	177.9	186.1	211.6	191.5	178.2	192.7
51°	169.2	167.3	177.0	194.6	182.6	170.5	178.9	202.0	184.0	171.2	185.3
52°	160.9	160.2	168.9	183.6	173.9	163.4	171.2	192.2	176.0	164.2	177.7
53°	152.7	153.6	160.5	172.9	165.1	156.6	163.8	181.9	168.2	157.5	169.9
54°	145.3	147.3	152.5	162.4	156.3	149.7	156.3	171.5	160.4	151.0	161.7
55°	138.0	140.9	144.8	152.2	147.6	143.1	149.1	161.1	152.2	144.3	153.3
56°	130.8	134.4	137.0	143.6	139.8	136.5	141.8	151.5	144.4	137.7	144.7
57°	124.5	128.0	129.3	135.0	132.1	129.8	134.6	142.3	136.6	131.3	136.4
58°	118.2	122.2	122.0	126.3	124.3	123.6	127.3	134.5	129.5	124.9	128.7
59°	111.9	116.3	114.6	119.0	117.5	117.5	120.6	127.3	122.7	118.7	121.2
60°	105.9	110.6	107.5	111.9	110.6	111.6	114.0	120.7	116.1	112.7	113.7
61°	100.5	105.0	101.3	105.1	104.2	105.9	107.8	114.3	109.6	106.9	106.4
62°	95.8	99.6	96.0	99.5	98.3	100.5	102.2	108.3	103.6	101.2	99.6
63°	91.4	94.2	91.5	94.6	93.1	95.2	97.3	103.4	98.3	95.7	93.7
64°	87.1	89.0	87.1	91.0	88.3	90.0	92.9	100.0	93.5	90.5	88.6
65°	82.8	83.5	82.9	87.3	83.8	85.0	88.7	97.7	88.9	85.6	84.1
66°	78.3	78.3	78.5	83.1	79.4	80.0	84.4	94.9	84.6	80.6	79.7
67°	73.7	73.2	74.2	78.1	75.0	74.9	79.8	91.3	80.0	75.6	75.3
68°	68.9	67.8	69.6	72.2	70.7	69.8	75.3	87.0	75.7	70.6	71.0
69°	64.1	62.0	64.7	66.6	66.2	64.4	70.7	82.0	71.2	65.4	66.5
70°	59.2	56.5	59.9	63.6	61.3	58.8	65.9	76.5	66.4	59.6	61.8
71°	54.2	51.5	55.0	64.6	56.4	53.4	60.9	71.0	61.7	54.6	56.8
72°	49.1	47.0	50.0	67.6	51.3	48.6	55.7	70.5	56.5	49.6	51.7
73°	44.0	42.6	45.1	60.0	46.1	43.9	50.4	68.2	51.3	44.7	46.7
74°	39.0	38.4	40.0	48.9	41.0	39.2	45.1	58.0	46.1	40.0	41.6
75°	34.4	34.1	35.1	41.3	36.1	34.8	40.2	49.5	40.7	35.5	36.6
76°	29.9	30.0	30.7	35.2	31.3	30.7	35.4	40.9	36.0	31.3	31.9
77°	25.6	26.1	26.4	30.4	26.8	26.7	31.1	35.1	31.7	27.2	27.5
78°	21.6	22.2	22.2	26.0	22.4	22.8	26.8	30.3	26.9	23.3	23.3
79°	17.8	18.7	18.3	22.0	18.3	19.2	22.4	25.8	22.2	19.6	19.1
80°	14.8	15.6	15.1	18.2	15.1	16.0	18.3	21.6	18.1	16.1	15.5
81°	11.7	12.5	12.0	14.8	11.9	12.8	15.1	17.7	14.3	12.8	12.2
82°	8.7	9.4	8.9	11.4	8.6	9.6	11.9	14.1	11.1	9.9	9.2
83°	7.5	8.2	7.6	8.0	6.8	7.4	8.7	10.9	8.3	7.4	6.5
84°	7.2	8.0	7.4	6.0	6.3	6.5	7.2	7.9	7.0	5.8	5.1
85°	5.8	6.3	6.0	3.7	5.1	5.4	6.1	5.7	5.1	4.4	3.7
86°	3.0	3.2	3.5	1.9	3.2	3.6	3.9	3.5	3.2	2.9	2.1
87°	0.9	0.9	1.0	0.8	1.3	1.1	1.4	1.3	1.4	1.0	0.6
88°	0.3	0.4	0.4	0.4	0.4	0.4	0.6	0.4	0.4	0.3	0.1
89°	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1

REPORT NUMBER: P1440277

CATALOG NUMBER: XSF60-KNYK-4Hx4V-850-Position 3

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: P1440277

CATALOG NUMBER: XSF60-KNYK-4Hx4V-850-Position 3

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: P1440277
CATALOG NUMBER: XSF60-KNYK-4Hx4V-850-Position 3

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: P1440277

CATALOG NUMBER: XSF60-KNYK-4Hx4V-850-Position 3

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	12436.0	12436.0	12436.0
1°	12480.4	12461.7	12440.5
2°	12464.3	12422.5	12381.3
3°	12394.8	12326.0	12262.9
4°	12276.4	12179.3	12104.0
5°	12129.7	12012.6	11920.6
6°	11956.6	11820.2	11725.6
7°	11778.4	11636.8	11538.4
8°	11605.3	11463.1	11362.1
9°	11426.4	11297.1	11184.5
10°	11256.5	11129.1	11011.4
11°	11080.2	10947.0	10808.7
12°	10888.5	10728.3	10551.3
13°	10654.3	10460.6	10255.3
14°	10374.4	10144.7	9914.3
15°	10052.0	9796.6	9545.0
16°	9680.1	9421.4	9149.2
17°	9269.6	9018.6	8743.2
18°	8821.7	8603.0	8344.9
19°	8337.9	8182.8	7914.5
20°	7794.1	7731.7	7455.7
21°	7231.1	7235.0	6942.2
22°	6611.5	6672.0	6357.7
23°	5969.3	6046.5	5703.2
24°	5277.0	5353.5	5047.6
25°	4584.4	4660.1	4392.0
26°	3891.9	3966.6	3728.7
27°	3234.7	3277.2	3057.8
28°	2621.8	2616.8	2441.4
29°	2087.2	2054.7	1935.6
30°	1633.5	1597.4	1516.4
31°	1281.2	1245.0	1195.7
32°	1014.9	985.6	949.9
33°	816.2	795.0	775.2
34°	673.8	656.6	643.3
35°	595.7	578.7	567.5
36°	518.6	501.7	492.6
37°	441.5	424.7	417.7
38°	399.0	381.4	374.5
39°	367.4	347.0	340.4
40°	341.7	319.0	312.5
41°	321.7	296.5	289.8
42°	304.9	277.5	270.2
43°	290.7	261.3	253.7
44°	277.9	247.3	239.1

REPORT NUMBER: P1440277

CATALOG NUMBER: XSF60-KNYK-4Hx4V-850-Position 3

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	266.1	234.9	226.4
46°	255.1	223.8	214.7
47°	245.0	213.8	204.7
48°	235.4	205.2	195.3
49°	226.1	197.1	186.3
50°	216.7	189.3	177.7
51°	206.9	181.6	169.9
52°	196.0	173.7	162.5
53°	184.7	166.1	155.7
54°	173.2	158.4	149.1
55°	162.1	150.6	142.6
56°	150.9	142.7	136.1
57°	140.8	134.7	129.9
58°	131.5	126.8	123.4
59°	123.2	118.8	117.4
60°	116.0	111.3	111.2
61°	109.0	104.3	105.4
62°	102.3	97.8	99.8
63°	96.2	92.2	94.2
64°	91.3	87.4	88.8
65°	87.0	82.9	83.5
66°	83.6	78.7	78.3
67°	79.8	74.4	73.2
68°	74.4	69.9	68.0
69°	68.4	65.4	62.6
70°	63.0	60.6	57.4
71°	62.6	55.7	52.2
72°	62.3	50.8	47.0
73°	62.0	45.9	42.5
74°	56.3	41.1	38.2
75°	46.0	36.5	34.0
76°	37.9	31.5	29.9
77°	31.9	27.1	25.9
78°	26.9	22.8	21.9
79°	22.5	18.5	18.1
80°	18.2	14.7	14.5
81°	14.1	11.2	11.3
82°	10.5	8.2	8.3
83°	7.4	6.7	6.6
84°	5.3	5.2	5.0
85°	3.2	3.7	3.3
86°	1.1	1.0	0.7
87°	0.2	0.2	0.2
88°	0.1	0.1	0.1
89°	0.0	0.0	0.0

REPORT NUMBER: P1440277

CATALOG NUMBER: XSF60-KNYK-4Hx4V-850-Position 3

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: P1440277

CATALOG NUMBER: XSF60-KNYK-4Hx4V-850-Position 3

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: P1440277

CATALOG NUMBER: XSF60-KNYK-4Hx4V-850-Position 3

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)