

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: P1440273

Luminaire Tested: XSF60-KNYK-4Hx4V-840-Position 3

Issue Date: 04/15/2026

Test Information

Test Method: LM-79-2024
Report Number: P1440273
Test Lab: THIRD PARTY NVLAP
Issue Date: 7/15/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XSF60-KNYK-4Hx4V-840-Position 3
Description: LUMARK ALL SELECTABLE LUMINAIRE 60W w/ NEMA 4 FLOOD DISTRIBUTION 4000K CCT 80 CRI LIGHT ENGINE AT Position 3
Light Source: (1) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5745.4 lumens
Efficiency: N/A
Efficacy: 159.6 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

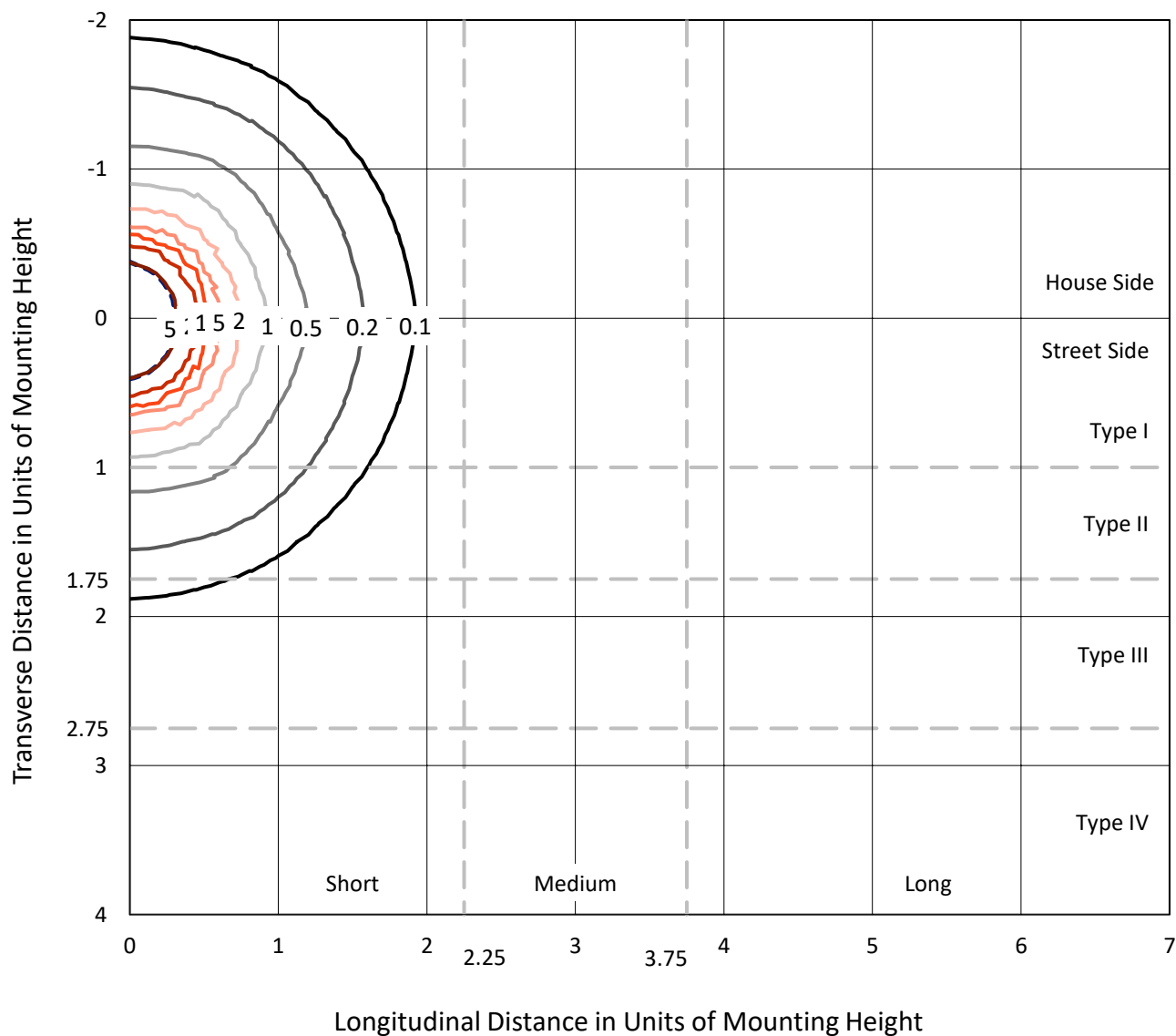
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



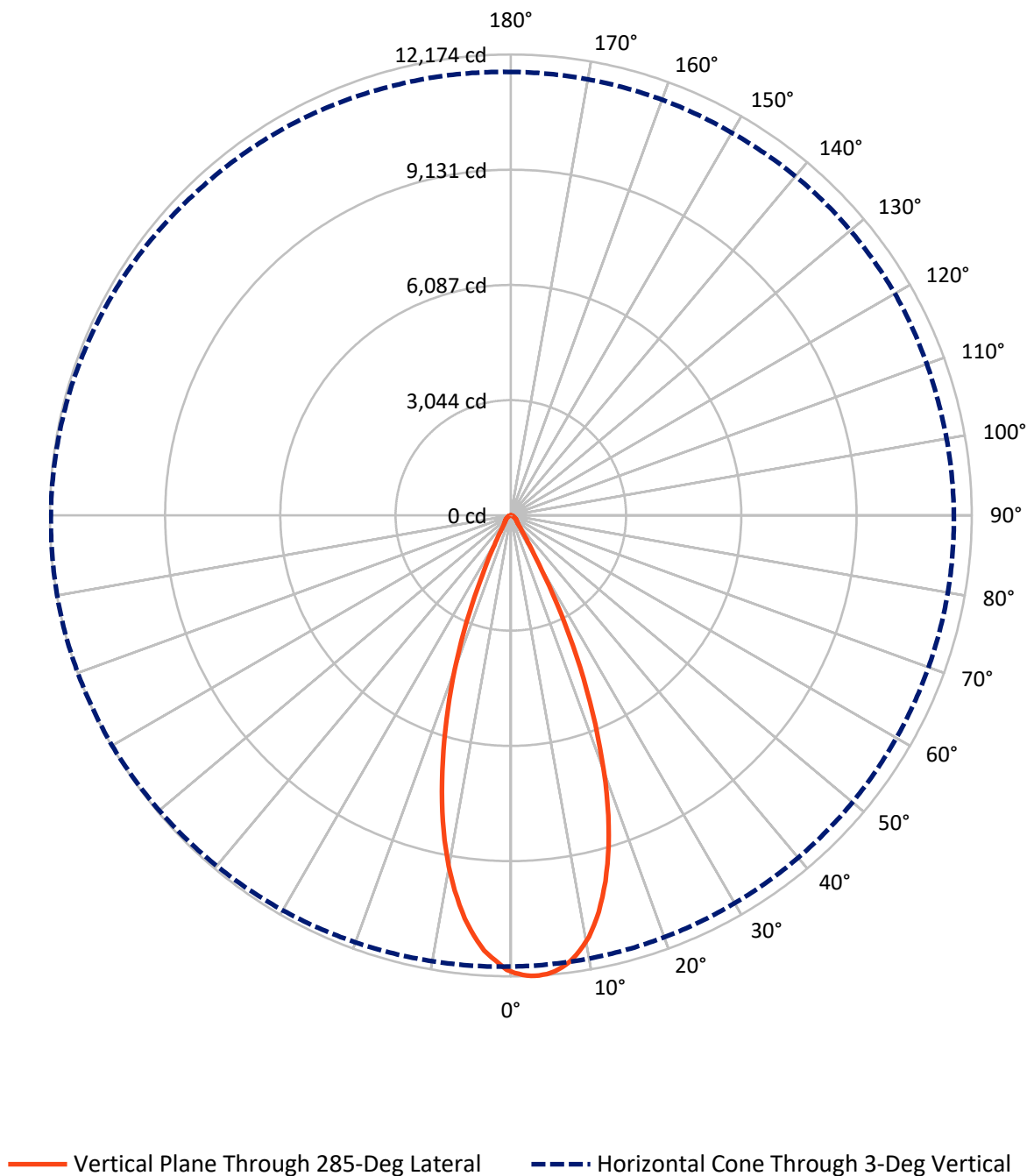
Based on 10 foot mounting height. Maximum calculated value = 120.8 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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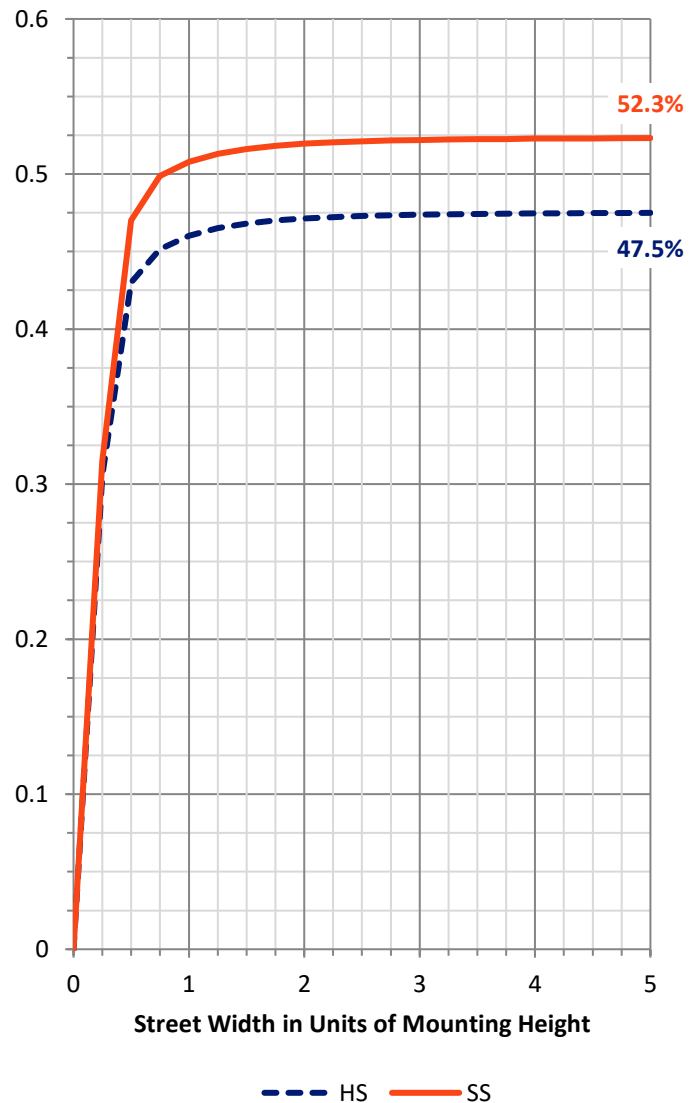
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2766.9	0.0	2766.9
	% Fixture	48.2	0.0	48.2
Street Side	Lumens	2978.5	0.0	2978.5
	% Fixture	51.8	0.0	51.8
Total	Lumens	5745.4	0.0	5745.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1070.0	18.6
10°-20°	2379.2	41.4
20°-30°	1523.7	26.5
30°-40°	339.5	5.9
40°-50°	176.7	3.1
50°-60°	128.5	2.2
60°-70°	82.8	1.4
70°-80°	39.6	0.7
80°-90°	5.5	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°	5745.4	100.0
0°-180°	5745.4	100.0

Coefficient of Utilization



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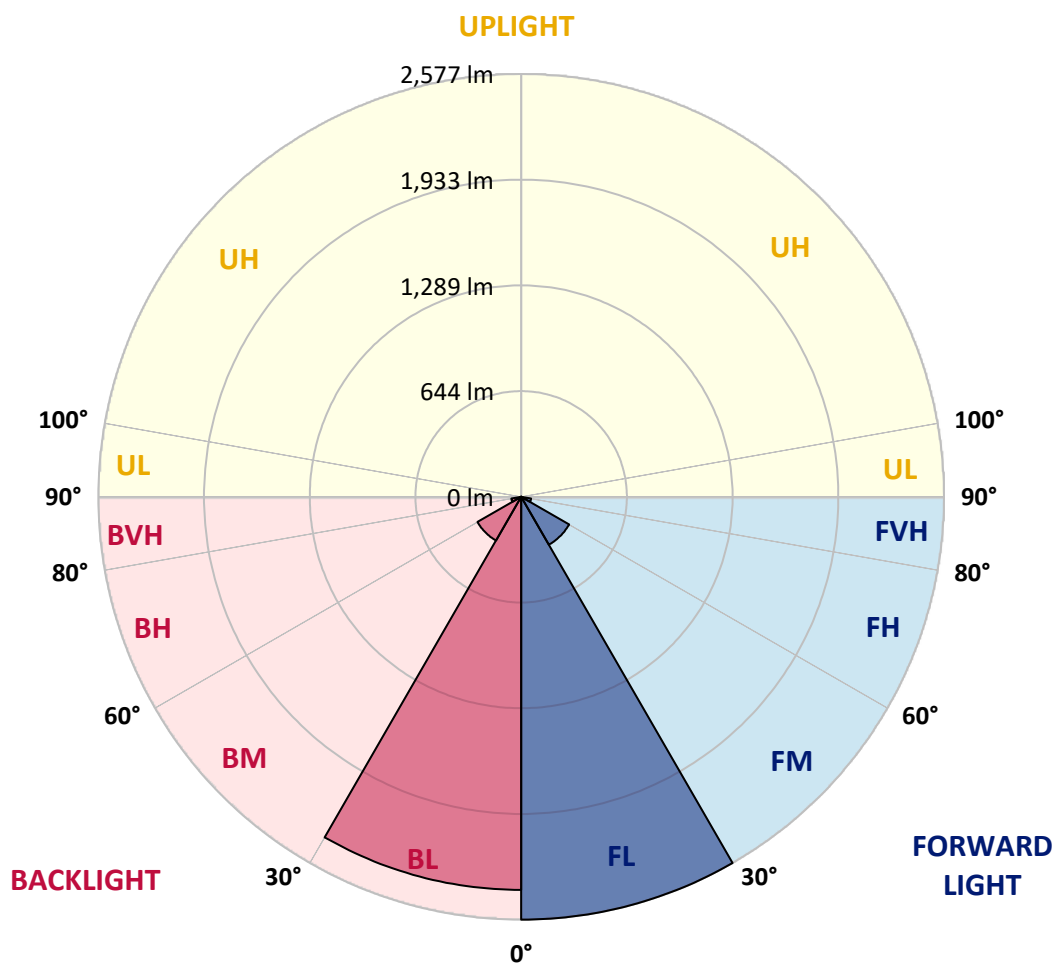
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2577.0	44.9			
FM	(30°-60°)	337.5	5.9			
FH	(60°-80°)	61.4	1.1			G0/660
FVH	(80°-90°)	2.6	0.0			G0/10
BL	(0°-30°)	2395.8	41.7	B3/2500		
BM	(30°-60°)	307.2	5.3	B1/1000		
BH	(60°-80°)	60.9	1.1	B0/110		G0/110
BVH	(80°-90°)	2.9	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	12084.0	12084.0	12084.0	12084.0	12084.0	12084.0	12084.0	12084.0	12084.0	12084.0	12084.0
1°	12088.4	12074.0	12050.9	12030.9	12013.4	11995.2	12004.6	12000.9	11995.2	11994.0	11994.0
2°	12030.9	11996.5	11957.1	11933.4	11904.0	11885.2	11853.9	11840.8	11856.4	11850.2	11832.1
3°	11915.8	11870.8	11825.2	11794.5	11758.9	11730.8	11702.6	11680.8	11715.8	11705.1	11670.1
4°	11761.4	11711.4	11658.2	11616.4	11580.1	11541.9	11550.7	11518.2	11501.3	11500.1	11507.6
5°	11583.2	11521.9	11464.4	11414.4	11361.3	11308.7	11318.1	11278.7	11266.2	11271.8	11290.6
6°	11393.8	11327.5	11260.0	11184.9	11113.7	11048.6	11044.3	11009.2	11007.4	11025.5	11074.3
7°	11211.8	11135.5	11041.8	10937.3	10841.1	10761.6	10745.4	10716.6	10712.3	10765.4	10849.2
8°	11040.5	10950.5	10822.9	10676.6	10544.7	10432.8	10412.8	10375.9	10394.0	10483.4	10611.6
9°	10867.9	10766.0	10597.2	10399.6	10217.1	10079.5	10040.1	10015.7	10052.6	10175.2	10359.6
10°	10699.8	10560.3	10359.6	10107.6	9873.2	9705.0	9641.8	9625.0	9691.9	9855.7	10081.4
11°	10502.8	10335.9	10094.5	9798.2	9516.8	9293.6	9219.2	9211.1	9302.3	9499.9	9770.6
12°	10252.7	10075.8	9812.5	9467.4	9144.2	8872.2	8759.0	8757.1	8886.6	9117.3	9419.3
13°	9965.1	9768.1	9478.0	9105.4	8739.6	8422.0	8281.3	8280.7	8440.8	8706.5	9033.5
14°	9633.7	9419.3	9094.8	8709.6	8317.6	7947.4	7769.9	7782.4	7967.4	8261.3	8603.3
15°	9274.8	9032.2	8671.5	8283.2	7848.7	7447.2	7247.2	7258.4	7468.5	7779.9	8131.3
16°	8890.3	8612.1	8208.8	7822.4	7351.6	6923.9	6707.0	6724.5	6942.1	7276.6	7622.3
17°	8495.8	8175.7	7739.2	7324.1	6840.1	6388.7	6172.5	6186.7	6403.1	6745.1	7101.5
18°	8108.8	7726.7	7247.2	6812.0	6312.4	5870.8	5643.2	5649.9	5855.3	6194.5	6561.3
19°	7690.5	7262.8	6738.2	6274.3	5763.5	5346.3	5118.4	5116.0	5302.2	5614.5	5993.1
20°	7244.7	6772.6	6214.3	5699.9	5237.3	4821.6	4603.7	4595.2	4765.0	5031.6	5405.1
21°	6745.7	6234.3	5648.9	5160.6	4711.1	4296.9	4085.3	4072.8	4222.9	4444.7	4780.2
22°	6177.8	5770.9	5082.2	4622.1	4173.4	3773.7	3573.1	3559.4	3687.0	3863.1	4161.6
23°	5541.8	5115.9	4515.6	4065.8	3645.1	3260.9	3070.4	3054.1	3166.6	3303.2	3559.6
24°	4904.8	4455.9	3942.0	3525.0	3130.1	2767.7	2587.9	2567.1	2661.7	2771.3	2993.3
25°	4267.7	3834.5	3382.7	2999.4	2638.8	2317.3	2156.8	2126.6	2197.0	2287.2	2475.9
26°	3623.1	3241.2	2849.6	2508.2	2188.8	1917.4	1782.9	1742.2	1789.3	1861.7	2011.3
27°	2971.3	2671.9	2356.0	2069.8	1801.6	1578.3	1524.7	1486.1	1519.1	1576.2	1626.7
28°	2372.3	2151.0	1913.9	1688.6	1469.4	1294.7	1266.5	1230.0	1249.1	1290.7	1376.5
29°	1880.8	1718.6	1553.7	1376.1	1206.4	1068.0	1008.7	974.8	981.6	1008.2	1126.4
30°	1473.5	1366.7	1253.4	1121.7	992.6	882.7	841.3	810.3	812.3	832.2	877.5
31°	1161.8	1094.5	1017.3	921.9	822.9	737.7	708.3	681.8	682.6	699.6	729.7
32°	923.0	880.9	836.8	766.2	691.1	627.2	605.3	580.4	582.6	597.9	617.8
33°	753.3	725.2	696.7	645.5	587.0	557.3	525.6	502.9	505.0	518.0	533.2
34°	625.1	607.5	591.7	572.5	522.2	488.3	465.1	442.4	443.2	456.9	469.2
35°	551.4	539.1	530.0	499.6	458.1	419.2	417.1	395.0	394.8	408.1	420.4
36°	478.6	471.5	468.5	426.7	393.9	377.9	379.6	357.8	356.8	370.2	383.1
37°	405.9	404.0	407.0	382.0	354.9	344.8	349.5	327.7	325.5	338.9	353.3
38°	363.9	363.7	370.5	346.9	323.7	317.7	324.3	302.7	300.4	313.7	329.7
39°	330.8	331.2	341.8	317.7	298.1	295.1	304.1	282.6	279.5	293.1	310.8
40°	303.6	304.9	318.5	293.4	277.2	276.5	287.2	265.7	262.3	276.3	295.1
41°	281.6	283.3	299.2	274.2	259.8	260.9	273.0	251.6	247.9	262.2	281.9
42°	262.6	265.4	283.0	258.2	245.2	247.8	261.2	239.3	235.4	250.3	270.2
43°	246.5	250.3	268.9	244.6	232.2	236.2	250.9	229.0	224.8	240.2	260.0
44°	232.3	237.2	256.3	232.7	220.7	225.9	241.7	219.9	215.1	231.5	251.0

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CATALOG NUMBER: XSF60-KNYK-4Hx4V-840-Position 3

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	219.9	225.5	245.2	222.3	210.4	216.5	233.3	211.6	206.3	223.2	241.9
46°	208.7	215.0	235.1	213.2	201.3	208.1	225.2	203.6	198.3	215.0	232.3
47°	198.9	205.5	225.8	205.3	193.0	200.2	216.4	195.7	190.6	206.5	221.7
48°	189.8	196.6	217.1	197.7	185.3	192.1	207.4	188.1	183.4	198.2	211.0
49°	181.0	187.6	207.9	190.2	177.9	184.4	198.6	180.6	176.4	189.6	200.0
50°	172.7	178.9	198.1	182.7	170.8	176.6	189.4	173.2	169.5	181.2	189.3
51°	165.1	170.2	187.8	174.7	163.9	168.8	180.1	165.8	163.0	172.9	178.9
52°	157.9	161.7	177.4	166.9	157.2	160.7	170.9	158.6	156.3	164.7	168.8
53°	151.3	153.7	167.3	158.9	150.5	153.0	162.3	151.5	149.8	156.6	159.1
54°	144.9	145.7	157.4	151.2	143.9	145.5	153.7	144.8	143.3	148.7	149.9
55°	138.5	138.1	147.8	143.5	137.6	138.4	145.7	138.3	137.1	141.1	141.9
56°	132.3	130.8	138.6	135.9	131.4	132.0	139.0	131.8	130.9	133.6	134.1
57°	126.2	124.0	130.1	128.4	125.5	125.8	132.2	125.3	124.7	126.1	126.4
58°	119.9	117.4	122.7	121.2	119.6	119.9	125.5	119.3	119.0	118.8	119.5
59°	114.1	111.2	115.7	114.1	114.1	114.3	119.5	113.5	113.4	111.9	112.9
60°	108.0	105.2	108.9	107.1	108.3	109.0	113.6	107.9	107.8	105.4	106.6
61°	102.4	99.5	102.4	100.5	102.7	103.9	108.0	102.8	102.2	99.7	100.6
62°	96.9	94.2	96.5	94.8	97.5	99.0	103.6	98.1	97.0	94.6	95.8
63°	91.5	89.2	91.3	89.6	92.3	94.4	100.4	93.5	92.0	89.9	91.6
64°	86.3	84.8	87.1	85.0	87.4	89.8	97.2	89.1	87.1	85.3	87.9
65°	81.2	80.3	83.5	80.5	82.4	85.3	93.3	84.5	82.1	80.8	83.6
66°	76.0	76.1	79.9	75.9	77.4	80.9	89.1	79.9	77.0	76.4	78.5
67°	71.1	71.9	75.2	71.4	72.3	76.6	84.4	75.4	71.9	72.1	72.7
68°	66.1	67.4	69.6	66.9	67.0	71.8	79.2	70.7	66.5	67.7	66.6
69°	60.8	63.0	64.0	62.1	61.4	66.8	73.7	65.8	60.6	63.0	62.6
70°	55.8	58.0	59.1	57.1	56.1	61.8	69.4	60.7	54.8	58.1	66.9
71°	50.7	53.3	60.3	52.1	50.8	56.6	76.1	55.6	49.7	53.0	69.6
72°	45.7	48.6	61.6	47.1	45.4	51.4	69.6	50.5	45.0	47.9	64.3
73°	41.3	43.9	63.0	42.0	40.7	46.3	58.7	45.4	40.4	42.6	53.3
74°	37.1	39.0	52.2	37.3	36.2	41.4	49.3	40.6	36.0	37.6	45.4
75°	33.0	34.0	41.8	32.6	31.9	36.6	42.5	36.1	31.8	33.0	39.6
76°	29.1	29.6	34.6	28.3	27.9	31.9	37.3	32.1	27.8	28.6	34.4
77°	25.2	25.4	29.2	24.3	24.1	27.2	32.9	27.8	24.0	24.2	29.7
78°	21.3	21.1	24.7	20.5	20.4	22.8	28.9	23.3	20.4	20.1	25.1
79°	17.6	17.0	20.6	16.7	17.0	18.7	24.7	19.3	16.9	16.7	21.2
80°	14.0	13.4	16.6	13.3	13.8	15.1	20.6	16.0	14.0	13.3	17.3
81°	10.9	10.2	12.6	10.3	10.8	11.9	16.8	12.7	11.0	9.9	13.9
82°	8.0	7.4	9.3	7.5	8.2	9.1	13.6	9.4	8.1	7.5	10.6
83°	6.4	6.0	6.4	5.9	6.3	7.0	10.3	7.3	6.4	5.9	7.2
84°	4.8	4.5	4.2	4.3	4.9	5.3	7.1	6.0	5.1	4.7	5.2
85°	3.2	3.1	2.1	2.6	3.5	3.7	4.4	4.4	3.7	3.3	3.1
86°	0.7	0.7	0.7	1.2	1.6	2.0	2.3	2.4	1.9	1.7	1.4
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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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: P1440273

CATALOG NUMBER: XSF60-KNYK-4Hx4V-840-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: P1440273
CATALOG NUMBER: XSF60-KNYK-4Hx4V-840-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: P1440273

CATALOG NUMBER: XSF60-KNYK-4Hx4V-840-Position 3

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	12084.0	12084.0	12084.0	12084.0	12084.0	12084.0	12084.0	12084.0	12084.0	12084.0	12084.0
1°	12010.9	12019.6	12040.9	12059.0	12079.7	12096.5	12111.5	12129.7	12141.6	12145.9	12141.6
2°	11849.6	11866.4	11902.7	11980.9	12030.9	12080.9	12121.5	12156.6	12172.8	12171.6	12146.6
3°	11688.3	11713.3	11764.5	11847.1	11915.8	12024.0	12102.2	12150.9	12174.1	12159.7	12104.0
4°	11526.3	11560.1	11625.7	11712.6	11801.4	11925.2	12054.6	12122.2	12149.1	12114.7	12027.8
5°	11327.5	11366.9	11434.4	11538.8	11686.4	11826.4	11987.1	12074.7	12098.4	12030.3	11913.3
6°	11124.3	11178.7	11248.7	11356.3	11521.3	11726.4	11860.8	11992.7	12009.6	11927.1	11777.7
7°	10928.0	10996.7	11078.0	11185.6	11353.1	11560.1	11733.9	11870.2	11891.5	11789.5	11622.0
8°	10730.4	10822.3	10912.3	11019.2	11174.9	11387.5	11607.0	11718.9	11736.4	11628.2	11450.0
9°	10521.6	10633.5	10737.3	10851.1	10997.4	11189.9	11407.5	11528.8	11541.9	11433.2	11267.5
10°	10283.3	10419.6	10544.7	10676.0	10804.2	10969.9	11169.9	11292.5	11320.6	11211.2	11075.5
11°	10004.5	10160.2	10315.9	10477.2	10601.0	10722.3	10896.7	11009.9	11037.4	10957.3	10871.1
12°	9684.4	9854.4	10034.5	10237.7	10369.6	10445.3	10582.2	10681.0	10722.9	10678.5	10656.6
13°	9317.3	9494.3	9705.6	9957.6	10108.9	10138.9	10232.1	10314.6	10368.4	10361.5	10404.6
14°	8908.4	9094.8	9329.8	9633.7	9801.9	9805.7	9858.2	9914.4	9979.5	10015.1	10128.3
15°	8468.3	8693.4	8930.9	9257.9	9449.9	9439.9	9448.6	9473.0	9550.6	9646.2	9810.7
16°	8010.0	8280.1	8522.7	8836.5	9039.1	9021.0	9006.6	8993.5	9091.6	9241.7	9452.4
17°	7549.2	7874.9	8113.1	8389.5	8585.8	8575.8	8527.7	8477.0	8600.8	8804.0	9034.7
18°	7055.2	7447.2	7697.3	7909.9	8072.5	8078.1	8008.1	7919.9	8053.7	8316.3	8557.0
19°	6516.9	6976.4	7240.3	7409.7	7519.8	7542.9	7430.4	7332.8	7485.4	7793.6	8037.5
20°	5938.1	6435.6	6732.6	6859.5	6918.9	6958.3	6846.4	6722.0	6880.2	7217.8	7454.7
21°	5306.9	5837.7	6140.8	6260.5	6287.4	6347.4	6216.2	6106.5	6268.7	6608.8	6845.1
22°	4657.1	5176.1	5496.7	5604.2	5632.1	5711.4	5598.8	5487.6	5652.4	5983.9	6208.8
23°	4002.6	4493.2	4806.9	4916.9	4957.0	5059.1	4959.2	4868.7	5036.0	5344.6	5545.6
24°	3372.6	3801.2	4107.8	4225.8	4284.8	4416.3	4334.4	4249.8	4419.5	4705.0	4882.3
25°	2774.4	3130.1	3416.3	3555.7	3638.3	3774.6	3717.4	3636.4	3812.4	4065.4	4218.9
26°	2238.9	2515.1	2774.2	2931.3	3032.3	3158.6	3104.9	3043.3	3214.3	3457.5	3586.6
27°	1785.8	1984.6	2208.8	2385.3	2480.1	2579.2	2537.2	2480.5	2639.6	2863.4	2990.3
28°	1492.6	1649.0	1731.0	1896.3	1995.3	2056.2	2020.4	1983.1	2117.4	2316.0	2438.9
29°	1199.3	1313.4	1443.1	1587.0	1589.2	1622.3	1593.7	1568.2	1671.8	1836.7	1954.4
30°	908.5	978.9	1155.1	1277.6	1305.8	1320.3	1302.4	1242.9	1312.1	1437.2	1536.8
31°	744.1	795.0	871.7	971.8	1022.7	1019.8	1011.3	997.1	1042.8	1129.8	1213.2
32°	620.6	656.9	713.6	793.1	830.5	823.6	817.6	812.9	842.1	899.0	962.2
33°	529.8	554.6	598.8	661.6	687.9	675.7	674.6	676.8	694.9	729.8	776.5
34°	461.7	478.2	511.2	564.0	579.0	567.4	569.1	572.3	585.5	606.2	638.9
35°	408.4	419.2	445.8	490.6	497.6	485.7	489.9	506.9	521.2	536.0	562.3
36°	368.1	374.2	396.1	436.3	435.4	424.6	430.0	442.0	457.4	466.4	486.3
37°	335.3	339.1	356.6	394.1	388.0	378.2	384.4	398.0	393.7	396.9	410.4
38°	309.1	310.9	325.8	362.1	351.1	341.3	347.7	364.5	357.0	357.2	367.7
39°	287.7	288.3	301.3	336.8	321.8	312.9	318.5	336.9	327.1	325.0	334.3
40°	270.3	269.3	281.4	316.4	298.1	288.8	294.5	314.4	302.6	298.7	307.1
41°	255.7	253.4	264.7	299.4	278.7	269.3	274.7	295.7	282.5	276.7	285.5
42°	243.3	239.6	251.0	284.7	263.0	252.5	257.8	280.3	265.0	258.0	267.2
43°	232.7	227.9	239.2	271.8	249.7	238.4	243.4	267.4	250.2	242.2	252.1
44°	223.3	217.4	229.0	260.5	238.1	226.0	231.1	256.0	237.5	228.5	239.2

REPORT NUMBER: P1440273

CATALOG NUMBER: XSF60-KNYK-4Hx4V-840-Position 3

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	214.7	208.1	220.2	250.4	227.9	214.9	220.2	246.4	226.5	216.8	228.1
46°	206.5	199.5	212.2	241.0	219.0	205.0	210.7	237.5	216.5	205.9	218.2
47°	198.1	191.3	204.2	231.8	210.7	195.9	202.1	229.3	207.7	196.3	209.4
48°	189.5	183.7	196.1	222.0	202.7	187.6	194.6	221.6	199.8	187.8	201.5
49°	181.1	176.4	188.0	211.1	194.5	180.1	187.9	214.0	192.7	180.4	194.2
50°	172.7	169.3	179.9	200.2	186.0	172.9	180.8	205.6	186.1	173.1	187.3
51°	164.4	162.6	172.0	189.1	177.4	165.7	173.8	196.2	178.7	166.3	180.1
52°	156.3	155.7	164.1	178.4	169.0	158.8	166.3	186.7	171.1	159.6	172.6
53°	148.4	149.3	156.0	168.0	160.4	152.1	159.1	176.7	163.5	153.1	165.1
54°	141.1	143.1	148.2	157.8	151.8	145.5	151.9	166.6	155.9	146.7	157.1
55°	134.1	136.9	140.7	147.9	143.4	139.0	144.9	156.6	147.9	140.2	149.0
56°	127.1	130.6	133.1	139.5	135.9	132.6	137.8	147.2	140.3	133.8	140.6
57°	120.9	124.4	125.6	131.1	128.3	126.1	130.8	138.3	132.7	127.6	132.6
58°	114.8	118.7	118.6	122.8	120.8	120.1	123.7	130.7	125.9	121.4	125.0
59°	108.7	113.0	111.4	115.7	114.2	114.2	117.2	123.7	119.2	115.4	117.8
60°	102.9	107.5	104.4	108.7	107.4	108.4	110.8	117.3	112.8	109.5	110.5
61°	97.7	102.1	98.4	102.1	101.3	102.9	104.8	111.0	106.5	103.8	103.4
62°	93.1	96.7	93.3	96.7	95.6	97.6	99.3	105.2	100.7	98.4	96.8
63°	88.8	91.5	88.9	92.0	90.5	92.5	94.5	100.5	95.5	93.0	91.0
64°	84.6	86.4	84.7	88.4	85.8	87.4	90.3	97.2	90.9	88.0	86.1
65°	80.5	81.1	80.5	84.8	81.5	82.6	86.2	94.9	86.4	83.1	81.7
66°	76.0	76.1	76.3	80.8	77.1	77.7	82.0	92.2	82.2	78.3	77.4
67°	71.6	71.1	72.1	75.9	72.9	72.8	77.6	88.7	77.7	73.5	73.2
68°	67.0	65.9	67.6	70.1	68.7	67.8	73.2	84.5	73.6	68.6	69.0
69°	62.3	60.3	62.9	64.7	64.3	62.6	68.7	79.7	69.2	63.6	64.6
70°	57.5	54.9	58.2	61.8	59.6	57.1	64.1	74.4	64.6	57.9	60.1
71°	52.6	50.1	53.4	62.8	54.8	51.9	59.2	68.9	59.9	53.1	55.2
72°	47.7	45.6	48.6	65.7	49.9	47.2	54.1	68.5	54.9	48.2	50.2
73°	42.8	41.4	43.8	58.3	44.8	42.6	48.9	66.3	49.8	43.5	45.3
74°	37.9	37.3	38.9	47.5	39.8	38.1	43.9	56.4	44.8	38.9	40.4
75°	33.4	33.2	34.1	40.1	35.1	33.8	39.1	48.1	39.6	34.5	35.5
76°	29.1	29.2	29.8	34.2	30.4	29.8	34.4	39.7	34.9	30.4	30.9
77°	24.9	25.3	25.6	29.5	26.0	25.9	30.2	34.1	30.8	26.4	26.7
78°	21.0	21.6	21.5	25.3	21.7	22.2	26.0	29.4	26.1	22.6	22.6
79°	17.3	18.2	17.7	21.4	17.8	18.7	21.8	25.1	21.6	19.0	18.6
80°	14.4	15.2	14.7	17.7	14.7	15.6	17.8	21.0	17.5	15.6	15.1
81°	11.4	12.2	11.7	14.4	11.5	12.4	14.7	17.2	13.9	12.5	11.9
82°	8.4	9.2	8.7	11.0	8.4	9.3	11.6	13.7	10.8	9.6	8.9
83°	7.3	7.9	7.4	7.8	6.6	7.2	8.5	10.6	8.1	7.2	6.3
84°	7.0	7.8	7.2	5.8	6.1	6.3	7.0	7.7	6.8	5.7	4.9
85°	5.6	6.2	5.8	3.6	5.0	5.3	5.9	5.5	4.9	4.2	3.6
86°	2.9	3.1	3.4	1.8	3.1	3.5	3.8	3.4	3.1	2.8	2.1
87°	0.8	0.8	1.0	0.8	1.2	1.1	1.4	1.2	1.3	1.0	0.6
88°	0.3	0.4	0.4	0.3	0.4	0.4	0.6	0.4	0.4	0.3	0.1
89°	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1

REPORT NUMBER: P1440273

CATALOG NUMBER: XSF60-KNYK-4Hx4V-840-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: P1440273

CATALOG NUMBER: XSF60-KNYK-4Hx4V-840-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: P1440273
CATALOG NUMBER: XSF60-KNYK-4Hx4V-840-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: P1440273

CATALOG NUMBER: XSF60-KNYK-4Hx4V-840-Position 3

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	12084.0	12084.0	12084.0
1°	12127.2	12109.0	12088.4
2°	12111.5	12070.9	12030.9
3°	12044.0	11977.1	11915.8
4°	11929.0	11834.6	11761.4
5°	11786.4	11672.6	11583.2
6°	11618.2	11485.7	11393.8
7°	11445.0	11307.5	11211.8
8°	11276.8	11138.7	11040.5
9°	11103.0	10977.4	10867.9
10°	10938.0	10814.2	10699.8
11°	10766.7	10637.2	10502.8
12°	10580.3	10424.6	10252.7
13°	10352.7	10164.5	9965.1
14°	10080.8	9857.6	9633.7
15°	9767.5	9519.3	9274.8
16°	9406.1	9154.8	8890.3
17°	9007.2	8763.4	8495.8
18°	8572.1	8359.5	8108.8
19°	8101.9	7951.2	7690.5
20°	7573.5	7512.9	7244.7
21°	7026.5	7030.2	6745.7
22°	6424.4	6483.1	6177.8
23°	5800.4	5875.4	5541.8
24°	5127.7	5201.9	4904.8
25°	4454.7	4528.2	4267.7
26°	3781.7	3854.4	3623.1
27°	3143.1	3184.4	2971.3
28°	2547.6	2542.7	2372.3
29°	2028.2	1996.5	1880.8
30°	1587.2	1552.2	1473.5
31°	1245.0	1209.8	1161.8
32°	986.2	957.7	923.0
33°	793.1	772.5	753.3
34°	654.8	638.0	625.1
35°	578.8	562.4	551.4
36°	503.9	487.5	478.6
37°	429.0	412.7	405.9
38°	387.7	370.6	363.9
39°	357.1	337.2	330.8
40°	332.0	310.0	303.6
41°	312.6	288.1	281.6
42°	296.3	269.6	262.6
43°	282.5	253.9	246.5
44°	270.0	240.3	232.3

REPORT NUMBER: P1440273

CATALOG NUMBER: XSF60-KNYK-4Hx4V-840-Position 3

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	258.6	228.3	219.9
46°	247.9	217.5	208.7
47°	238.0	207.7	198.9
48°	228.8	199.4	189.8
49°	219.7	191.5	181.0
50°	210.6	183.9	172.7
51°	201.0	176.5	165.1
52°	190.4	168.8	157.9
53°	179.5	161.4	151.3
54°	168.3	153.9	144.9
55°	157.5	146.3	138.5
56°	146.6	138.7	132.3
57°	136.9	130.9	126.2
58°	127.8	123.2	119.9
59°	119.7	115.5	114.1
60°	112.7	108.2	108.0
61°	105.9	101.3	102.4
62°	99.4	95.0	96.9
63°	93.5	89.6	91.5
64°	88.7	84.9	86.3
65°	84.6	80.6	81.2
66°	81.2	76.5	76.0
67°	77.6	72.3	71.1
68°	72.3	67.9	66.1
69°	66.5	63.5	60.8
70°	61.2	58.8	55.8
71°	60.8	54.1	50.7
72°	60.5	49.4	45.7
73°	60.2	44.6	41.3
74°	54.7	40.0	37.1
75°	44.7	35.4	33.0
76°	36.8	30.6	29.1
77°	31.0	26.3	25.2
78°	26.2	22.2	21.3
79°	21.9	18.0	17.6
80°	17.7	14.3	14.0
81°	13.7	10.9	10.9
82°	10.2	8.0	8.0
83°	7.2	6.5	6.4
84°	5.2	5.1	4.8
85°	3.1	3.6	3.2
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: P1440273

CATALOG NUMBER: XSF60-KNYK-4Hx4V-840-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: P1440273

CATALOG NUMBER: XSF60-KNYK-4Hx4V-840-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: P1440273

CATALOG NUMBER: XSF60-KNYK-4Hx4V-840-Position 3

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)