

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: P1440275

Luminaire Tested: XSF60-KNYK-4Hx4V-850-Position 1

Issue Date: 04/15/2026

Test Information

Test Method: LM-79-2024
Report Number: P1440275
Test Lab: THIRD PARTY NVLAP
Issue Date: 7/15/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XSF60-KNYK-4Hx4V-850-Position 1
Description: LUMARK ALL SELECTABLE LUMINAIRE 60W w/ NEMA 4 FLOOD DISTRIBUTION 5000K CCT 80 CRI LIGHT ENGINE AT Position 1
Light Source: (1) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9778.6 lumens
Efficiency: N/A
Efficacy: 155.2 lumens/watt
Luminous Opening: Rectangular (W 0.3' x L: 0.3' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G0

Input Watts (W): 63
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

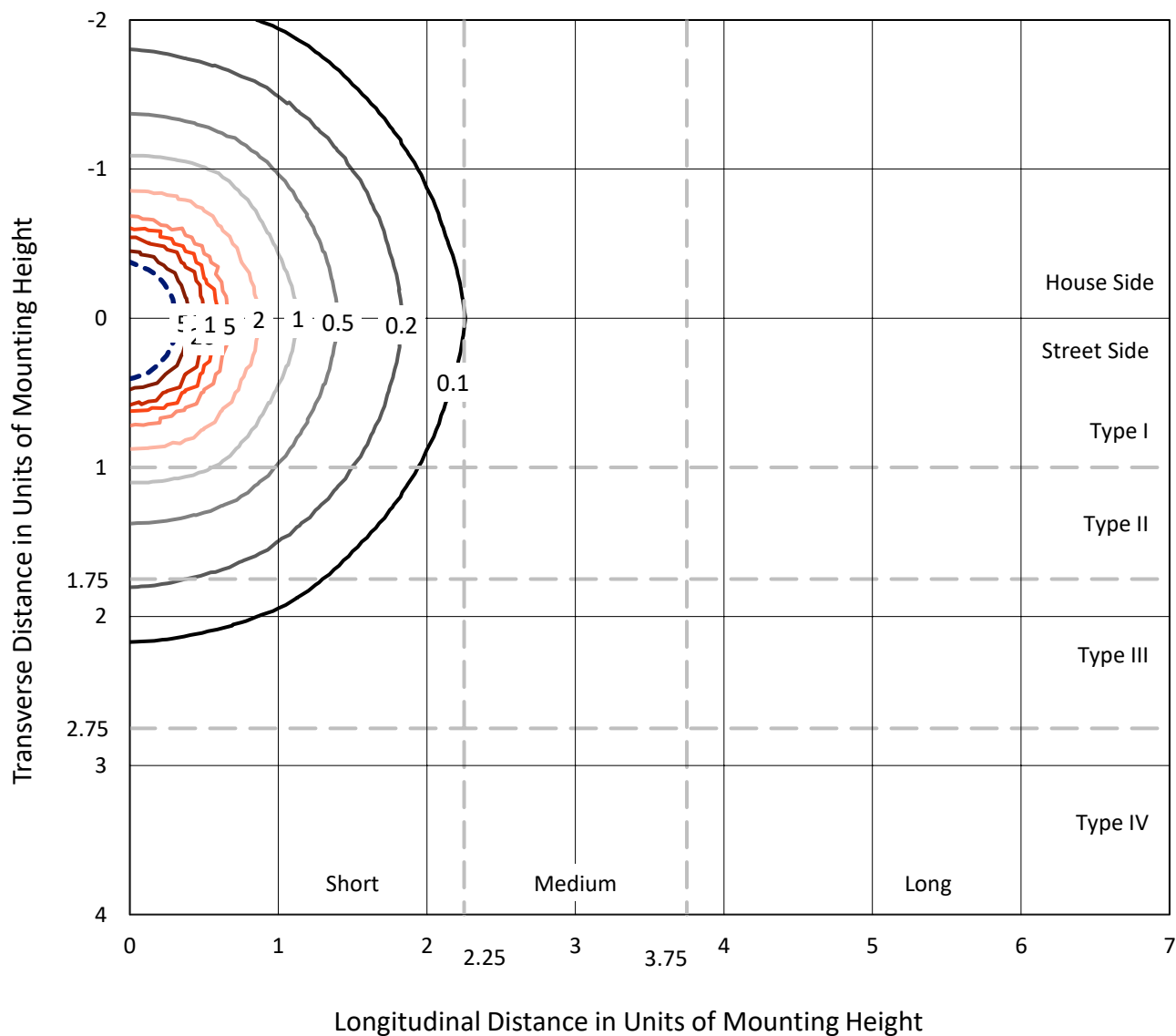
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



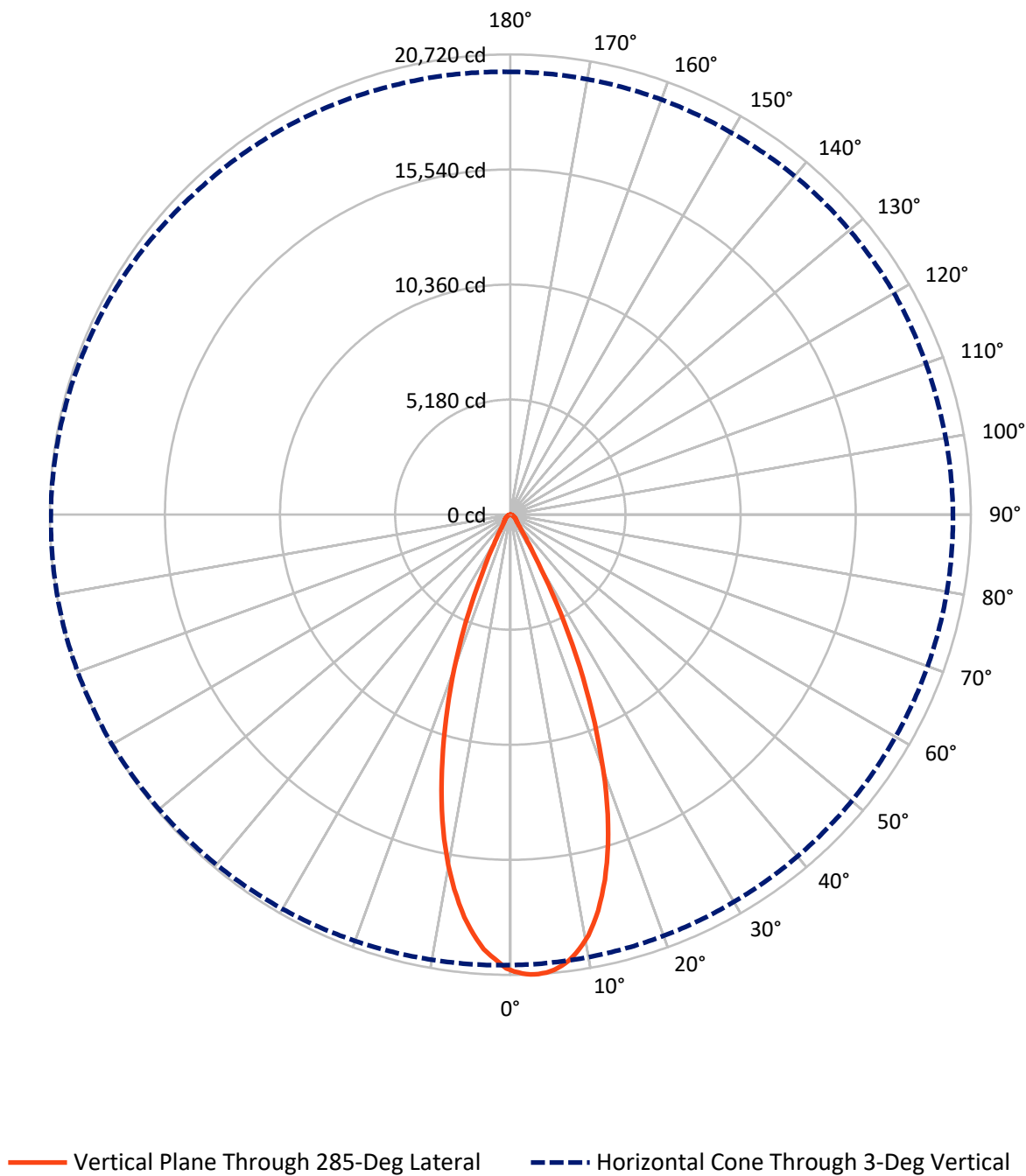
Based on 10 foot mounting height. Maximum calculated value = 205.7 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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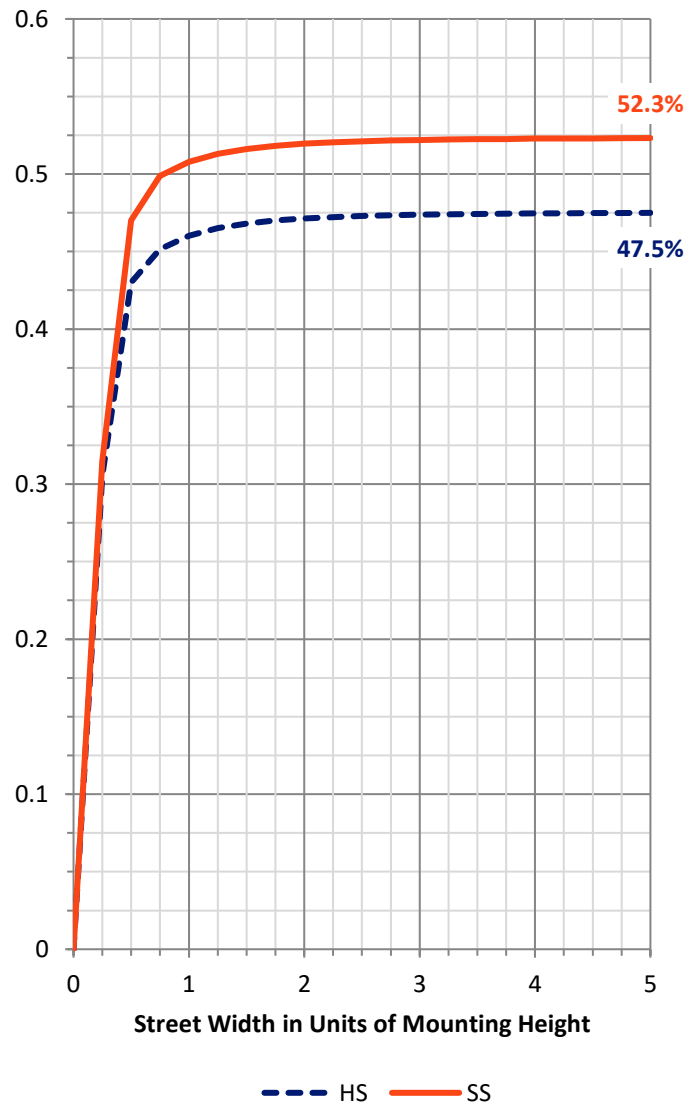
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4709.2	0.0	4709.2
	% Fixture	48.2	0.0	48.2
Street Side	Lumens	5069.4	0.0	5069.4
	% Fixture	51.8	0.0	51.8
Total	Lumens	9778.6	0.0	9778.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1821.1	18.6
10°-20°	4049.3	41.4
20°-30°	2593.3	26.5
30°-40°	577.8	5.9
40°-50°	300.8	3.1
50°-60°	218.7	2.2
60°-70°	140.9	1.4
70°-80°	67.4	0.7
80°-90°	9.3	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°	9778.6	100.0
0°-180°	9778.6	100.0

Coefficient of Utilization



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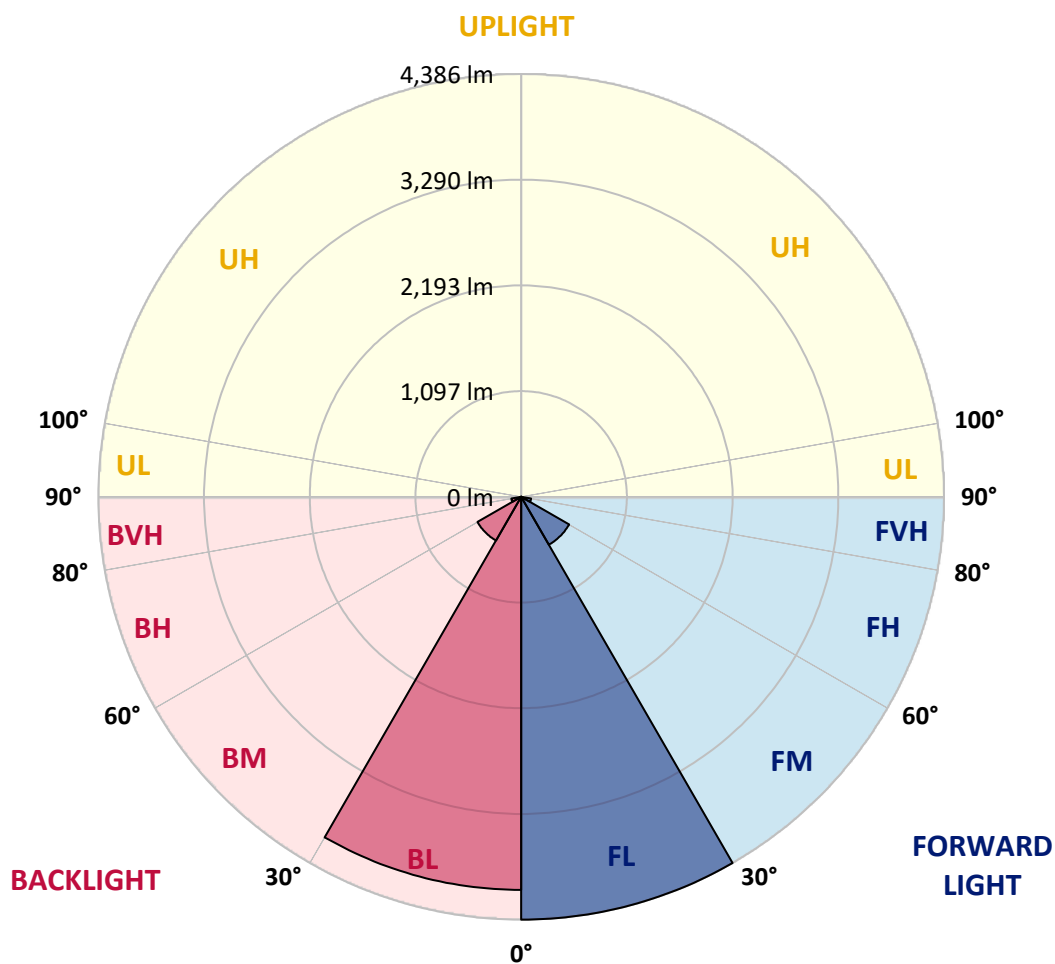
CATALOG NUMBER: XSF60-KNYK-4Hx4V-850-Position 1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4386.1	44.9			
FM	(30°-60°)	574.4	5.9			
FH	(60°-80°)	104.6	1.1			G0/660
FVH	(80°-90°)	4.4	0.0			G0/10
BL	(0°-30°)	4077.7	41.7	B4/5000		
BM	(30°-60°)	522.9	5.3	B1/1000		
BH	(60°-80°)	103.7	1.1	B0/110		G0/110
BVH	(80°-90°)	4.9	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	20566.9	20566.9	20566.9	20566.9	20566.9	20566.9	20566.9	20566.9	20566.9	20566.9	20566.9
1°	20574.3	20549.9	20510.5	20476.4	20446.6	20415.8	20431.7	20425.3	20415.8	20413.6	20413.6
2°	20476.4	20417.9	20350.9	20310.4	20260.4	20228.5	20175.3	20152.9	20179.5	20168.9	20138.0
3°	20280.6	20204.0	20126.3	20074.2	20013.5	19965.6	19917.7	19880.5	19940.1	19922.0	19862.4
4°	20017.8	19932.6	19842.2	19770.9	19709.2	19644.3	19659.2	19603.8	19575.1	19573.0	19585.7
5°	19714.5	19610.2	19512.3	19427.2	19336.7	19247.3	19263.3	19196.3	19175.0	19184.5	19216.5
6°	19392.1	19279.3	19164.3	19036.6	18915.3	18804.6	18797.2	18737.6	18734.4	18765.3	18848.3
7°	19082.4	18952.6	18792.9	18615.2	18451.3	18316.2	18288.5	18239.6	18232.1	18322.6	18465.2
8°	18790.8	18637.6	18420.5	18171.5	17946.9	17756.5	17722.4	17659.6	17690.5	17842.6	18060.8
9°	18497.1	18323.6	18036.3	17700.1	17389.3	17155.2	17088.2	17046.7	17109.4	17318.0	17631.9
10°	18210.8	17973.5	17631.9	17203.1	16804.0	16517.8	16410.3	16381.6	16495.4	16774.2	17158.4
11°	17875.6	17591.5	17180.7	16676.3	16197.5	15817.6	15690.9	15677.1	15832.5	16168.7	16629.5
12°	17450.0	17148.8	16700.8	16113.4	15563.2	15100.3	14907.7	14904.5	15124.8	15517.5	16031.5
13°	16960.5	16625.3	16131.5	15497.3	14874.7	14334.1	14094.7	14093.6	14366.1	14818.3	15374.9
14°	16396.5	16031.5	15479.2	14823.6	14156.4	13526.4	13224.2	13245.5	13560.5	14060.7	14642.7
15°	15785.6	15372.8	14758.7	14097.9	13358.3	12675.1	12334.6	12353.7	12711.3	13241.3	13839.3
16°	15131.2	14657.6	13971.3	13313.6	12512.3	11784.4	11415.2	11445.0	11815.3	12384.6	12973.1
17°	14459.7	13914.9	13172.1	12465.5	11641.8	10873.5	10505.5	10529.7	10898.0	11480.1	12086.6
18°	13801.0	13150.8	12334.6	11593.9	10743.7	9992.1	9604.7	9616.0	9965.6	10543.0	11167.2
19°	13089.1	12361.2	11468.4	10678.8	9809.5	9099.4	8711.5	8707.4	9024.3	9555.9	10200.2
20°	12330.3	11526.9	10576.7	9701.2	8913.8	8206.3	7835.5	7821.0	8110.0	8563.8	9199.5
21°	11481.1	10610.7	9614.3	8783.3	8018.3	7313.3	6953.2	6931.9	7187.3	7564.8	8135.9
22°	10514.5	9822.0	8649.9	7866.7	7103.1	6422.8	6081.3	6058.1	6275.3	6574.9	7083.0
23°	9432.1	8707.2	7685.4	6919.9	6203.9	5550.1	5225.7	5198.0	5389.5	5622.0	6058.3
24°	8347.9	7583.9	6709.2	5999.6	5327.4	4710.6	4404.6	4369.2	4530.2	4716.6	5094.5
25°	7263.6	6526.3	5757.3	5105.0	4491.2	3944.1	3670.8	3619.5	3739.2	3892.8	4213.9
26°	6166.6	5516.5	4850.0	4268.8	3725.3	3263.4	3034.4	2965.3	3045.3	3168.5	3423.2
27°	5057.1	4547.6	4009.8	3522.8	3066.2	2686.2	2594.9	2529.4	2585.6	2682.7	2768.6
28°	4037.6	3661.0	3257.4	2874.0	2500.9	2203.5	2155.5	2093.4	2126.0	2196.8	2342.8
29°	3201.1	2925.0	2644.4	2342.1	2053.3	1817.8	1716.8	1659.0	1670.7	1715.9	1917.1
30°	2507.9	2326.1	2133.3	1909.2	1689.4	1502.4	1431.9	1379.1	1382.5	1416.4	1493.5
31°	1977.4	1862.9	1731.5	1569.0	1400.5	1255.6	1205.5	1160.4	1161.7	1190.7	1242.0
32°	1570.9	1499.3	1424.2	1304.1	1176.3	1067.6	1030.3	987.8	991.6	1017.6	1051.5
33°	1282.1	1234.2	1185.8	1098.6	999.0	948.6	894.5	855.9	859.5	881.6	907.5
34°	1063.9	1034.0	1007.1	974.4	888.9	831.0	791.6	752.9	754.4	777.6	798.6
35°	938.5	917.6	902.0	850.3	779.7	713.4	709.9	672.4	672.0	694.6	715.5
36°	814.6	802.6	797.4	726.2	670.5	643.1	646.1	608.9	607.3	630.0	652.0
37°	690.8	687.5	692.7	650.2	604.1	586.9	594.8	557.7	553.9	576.7	601.3
38°	619.4	619.0	630.7	590.3	551.0	540.7	552.0	515.3	511.2	534.0	561.2
39°	562.9	563.7	581.8	540.7	507.4	502.2	517.6	480.9	475.8	498.9	529.0
40°	516.8	519.0	542.1	499.3	471.8	470.6	488.8	452.2	446.5	470.3	502.2
41°	479.3	482.2	509.3	466.8	442.2	444.0	464.6	428.1	421.9	446.3	479.9
42°	446.9	451.8	481.6	439.5	417.3	421.7	444.5	407.3	400.6	426.1	460.0
43°	419.5	425.9	457.7	416.3	395.2	402.0	427.0	389.7	382.7	408.9	442.5
44°	395.4	403.8	436.2	396.0	375.6	384.4	411.3	374.2	366.0	394.0	427.2

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CATALOG NUMBER: XSF60-KNYK-4Hx4V-850-Position 1

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	374.3	383.8	417.4	378.3	358.1	368.5	397.1	360.2	351.1	379.8	411.8
46°	355.2	365.9	400.1	362.8	342.7	354.2	383.3	346.4	337.4	365.9	395.4
47°	338.5	349.7	384.4	349.4	328.5	340.8	368.3	333.1	324.3	351.5	377.3
48°	323.0	334.6	369.5	336.4	315.4	327.0	353.0	320.1	312.1	337.3	359.1
49°	308.1	319.4	353.8	323.7	302.8	313.8	338.0	307.4	300.2	322.7	340.4
50°	293.9	304.5	337.2	310.9	290.8	300.7	322.4	294.8	288.5	308.3	322.1
51°	280.9	289.6	319.6	297.4	279.0	287.2	306.5	282.1	277.4	294.3	304.5
52°	268.7	275.2	301.9	284.0	267.5	273.5	290.9	270.0	266.1	280.3	287.3
53°	257.6	261.6	284.7	270.5	256.1	260.4	276.2	257.8	254.9	266.5	270.8
54°	246.5	247.9	267.9	257.3	244.9	247.7	261.5	246.5	243.9	253.0	255.1
55°	235.8	235.0	251.6	244.2	234.2	235.6	248.0	235.4	233.4	240.2	241.5
56°	225.1	222.6	236.0	231.2	223.7	224.6	236.5	224.3	222.8	227.4	228.3
57°	214.9	211.0	221.4	218.6	213.6	214.2	225.0	213.3	212.2	214.6	215.1
58°	204.1	199.7	208.8	206.3	203.6	204.1	213.5	203.0	202.6	202.2	203.4
59°	194.1	189.3	197.0	194.2	194.2	194.6	203.3	193.2	193.1	190.5	192.1
60°	183.8	179.0	185.4	182.2	184.3	185.5	193.3	183.7	183.6	179.4	181.4
61°	174.2	169.4	174.3	171.1	174.8	176.9	183.9	175.0	174.0	169.6	171.2
62°	165.0	160.3	164.3	161.4	166.0	168.5	176.3	166.9	165.1	161.1	163.0
63°	155.7	151.9	155.4	152.6	157.2	160.6	170.8	159.2	156.6	153.0	156.0
64°	146.9	144.3	148.2	144.6	148.7	152.9	165.4	151.6	148.2	145.2	149.5
65°	138.1	136.7	142.1	136.9	140.2	145.2	158.8	143.8	139.8	137.5	142.3
66°	129.4	129.5	135.9	129.3	131.7	137.7	151.6	136.0	131.1	130.0	133.6
67°	121.0	122.3	128.0	121.5	123.0	130.3	143.6	128.4	122.3	122.8	123.7
68°	112.5	114.7	118.4	113.9	114.0	122.2	134.8	120.2	113.1	115.2	113.4
69°	103.5	107.2	108.9	105.7	104.5	113.6	125.4	111.9	103.1	107.2	106.6
70°	94.9	98.8	100.6	97.2	95.4	105.1	118.2	103.4	93.2	98.8	113.9
71°	86.3	90.8	102.7	88.7	86.4	96.4	129.5	94.6	84.5	90.2	118.5
72°	77.7	82.7	104.9	80.2	77.3	87.6	118.5	85.9	76.6	81.5	109.5
73°	70.3	74.7	107.2	71.6	69.2	78.8	99.9	77.3	68.7	72.5	90.7
74°	63.2	66.4	88.9	63.6	61.6	70.4	83.9	69.0	61.2	64.0	77.3
75°	56.2	57.9	71.2	55.5	54.3	62.3	72.3	61.5	54.2	56.2	67.4
76°	49.5	50.5	58.9	48.2	47.5	54.3	63.6	54.7	47.3	48.6	58.5
77°	42.8	43.2	49.7	41.4	41.0	46.3	56.0	47.3	40.9	41.1	50.5
78°	36.3	35.8	42.1	34.8	34.8	38.8	49.1	39.7	34.6	34.2	42.8
79°	29.9	28.9	35.1	28.5	28.9	31.9	42.1	32.8	28.8	28.4	36.1
80°	23.9	22.8	28.2	22.7	23.5	25.8	35.1	27.2	23.8	22.6	29.4
81°	18.6	17.3	21.4	17.6	18.4	20.3	28.7	21.6	18.8	16.9	23.7
82°	13.7	12.7	15.8	12.8	13.9	15.5	23.1	16.0	13.8	12.8	18.0
83°	10.9	10.1	10.8	10.0	10.7	11.9	17.6	12.4	10.9	10.0	12.3
84°	8.2	7.7	7.2	7.3	8.3	9.1	12.0	10.1	8.7	8.0	8.8
85°	5.5	5.2	3.6	4.5	6.0	6.3	7.5	7.5	6.2	5.6	5.2
86°	1.2	1.2	1.2	2.1	2.7	3.5	3.9	4.1	3.3	3.0	2.4
87°	0.3	0.3	0.3	0.4	0.8	1.1	1.6	1.3	1.1	1.2	1.0
88°	0.2	0.1	0.1	0.2	0.2	0.3	0.4	0.5	0.5	0.5	0.5
89°	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2



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CATALOG NUMBER: XSF60-KNYK-4Hx4V-850-Position 1

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
94°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
96°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
101°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
104°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
106°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
108°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
109°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
111°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
114°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
116°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
118°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
119°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
121°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
123°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
124°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
126°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
128°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
129°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
131°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
133°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
134°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1440275

CATALOG NUMBER: XSF60-KNYK-4Hx4V-850-Position 1

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
136°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
138°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
139°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
141°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
143°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
144°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
146°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
148°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
149°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
151°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
153°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
154°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
156°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
158°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
159°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
161°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
163°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
164°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
166°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
168°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
169°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
171°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
173°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
174°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
176°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
178°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
179°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1440275
CATALOG NUMBER: XSF60-KNYK-4Hx4V-850-Position 1

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: P1440275

CATALOG NUMBER: XSF60-KNYK-4Hx4V-850-Position 1

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	20566.9	20566.9	20566.9	20566.9	20566.9	20566.9	20566.9	20566.9	20566.9	20566.9	20566.9
1°	20442.4	20457.3	20493.5	20524.3	20559.4	20588.2	20613.7	20644.6	20664.8	20672.2	20664.8
2°	20167.8	20196.6	20258.3	20391.3	20476.4	20561.6	20630.7	20690.3	20718.0	20715.9	20673.3
3°	19893.3	19935.8	20023.1	20163.6	20280.6	20464.7	20597.7	20680.7	20720.1	20695.6	20600.9
4°	19617.7	19675.1	19786.9	19934.8	20085.9	20296.6	20516.9	20631.8	20677.6	20619.0	20471.1
5°	19279.3	19346.3	19461.2	19638.9	19890.1	20128.5	20401.9	20550.9	20591.4	20475.4	20276.4
6°	18933.4	19026.0	19145.2	19328.2	19609.1	19958.2	20187.0	20411.5	20440.2	20299.8	20045.4
7°	18599.3	18716.3	18854.7	19037.7	19322.9	19675.1	19971.0	20202.9	20239.1	20065.7	19780.5
8°	18263.0	18419.4	18572.7	18754.6	19019.6	19381.4	19754.9	19945.4	19975.2	19791.1	19487.8
9°	17907.6	18098.0	18274.7	18468.4	18717.4	19045.1	19415.5	19621.9	19644.3	19459.1	19177.1
10°	17502.1	17734.1	17946.9	18170.4	18388.6	18670.6	19011.1	19219.7	19267.6	19081.3	18850.4
11°	17027.5	17292.5	17557.5	17832.0	18042.7	18249.2	18546.1	18738.7	18785.5	18649.3	18502.4
12°	16482.7	16772.1	17078.6	17424.4	17649.0	17777.7	18010.8	18178.9	18250.2	18174.7	18137.4
13°	15858.0	16159.2	16518.8	16947.7	17205.2	17256.3	17414.9	17555.3	17646.8	17635.1	17708.6
14°	15162.0	15479.2	15879.3	16396.5	16682.7	16689.1	16778.5	16874.3	16984.9	17045.6	17238.2
15°	14412.9	14796.0	15200.4	15756.9	16083.6	16066.6	16081.5	16123.0	16254.9	16417.7	16697.6
16°	13632.9	14092.6	14505.5	15039.7	15384.5	15353.6	15329.1	15306.8	15473.8	15729.2	16087.9
17°	12848.6	13403.0	13808.4	14278.8	14612.9	14595.9	14514.0	14427.8	14638.5	14984.3	15377.0
18°	12007.9	12675.1	13100.8	13462.6	13739.3	13748.9	13629.7	13479.6	13707.4	14154.3	14564.0
19°	11091.7	11873.8	12322.9	12611.3	12798.6	12837.9	12646.4	12480.4	12740.0	13264.7	13679.7
20°	10106.6	10953.3	11458.8	11674.8	11775.9	11843.0	11652.5	11440.7	11709.9	12284.6	12687.9
21°	9032.2	9935.7	10451.6	10655.4	10701.1	10803.3	10579.9	10393.2	10669.2	11248.1	11650.3
22°	7926.3	8809.7	9355.4	9538.2	9585.8	9720.7	9529.1	9339.9	9620.4	10184.6	10567.3
23°	6812.4	7647.4	8181.2	8368.5	8436.7	8610.6	8440.4	8286.5	8571.2	9096.5	9438.6
24°	5740.1	6469.6	6991.5	7192.3	7292.6	7516.4	7377.1	7233.2	7522.0	8007.9	8309.5
25°	4722.0	5327.4	5814.4	6051.7	6192.3	6424.3	6326.9	6189.1	6488.7	6919.2	7180.5
26°	3810.5	4280.7	4721.6	4989.1	5160.9	5375.9	5284.5	5179.7	5470.7	5884.6	6104.4
27°	3039.4	3377.7	3759.3	4059.7	4221.1	4389.8	4318.3	4221.8	4492.6	4873.5	5089.5
28°	2540.3	2806.6	2946.1	3227.5	3395.9	3499.6	3438.7	3375.2	3603.9	3941.7	4150.9
29°	2041.3	2235.5	2456.1	2701.0	2704.8	2761.2	2712.5	2669.1	2845.4	3126.1	3326.4
30°	1546.2	1666.1	1965.9	2174.5	2222.4	2247.1	2216.7	2115.4	2233.1	2446.2	2615.6
31°	1266.4	1353.1	1483.6	1654.0	1740.6	1735.7	1721.3	1697.0	1774.8	1922.9	2064.9
32°	1056.2	1118.0	1214.5	1349.9	1413.5	1401.8	1391.5	1383.5	1433.3	1530.0	1637.7
33°	901.7	943.9	1019.2	1126.0	1170.8	1150.0	1148.1	1151.8	1182.7	1242.1	1321.6
34°	785.7	813.8	870.0	959.9	985.5	965.8	968.6	974.0	996.6	1031.8	1087.5
35°	695.0	713.4	758.7	834.9	847.0	826.6	833.7	862.7	887.0	912.2	957.0
36°	626.5	636.9	674.2	742.5	741.1	722.7	731.8	752.3	778.6	793.8	827.7
37°	570.6	577.2	607.0	670.8	660.4	643.7	654.2	677.3	670.1	675.4	698.4
38°	526.1	529.2	554.5	616.2	597.6	580.9	591.8	620.4	607.7	607.9	625.7
39°	489.6	490.7	512.8	573.2	547.7	532.5	542.1	573.4	556.8	553.1	568.9
40°	460.0	458.4	478.9	538.4	507.4	491.6	501.2	535.0	515.0	508.4	522.8
41°	435.2	431.3	450.6	509.6	474.3	458.4	467.6	503.3	480.8	470.9	485.9
42°	414.1	407.8	427.2	484.6	447.6	429.8	438.8	477.1	451.1	439.0	454.9
43°	396.1	387.8	407.1	462.7	425.0	405.8	414.3	455.1	425.8	412.2	429.1
44°	380.1	370.0	389.7	443.4	405.2	384.7	393.3	435.8	404.2	388.9	407.2

REPORT NUMBER: P1440275

CATALOG NUMBER: XSF60-KNYK-4Hx4V-850-Position 1

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	365.5	354.3	374.8	426.2	387.9	365.8	374.7	419.3	385.5	369.0	388.3
46°	351.5	339.6	361.1	410.2	372.7	348.8	358.6	404.2	368.6	350.5	371.4
47°	337.1	325.6	347.5	394.6	358.6	333.5	344.0	390.2	353.6	334.2	356.5
48°	322.5	312.6	333.7	377.8	345.0	319.3	331.2	377.2	340.0	319.7	342.9
49°	308.2	300.2	319.9	359.3	331.0	306.5	319.8	364.1	328.0	307.0	330.5
50°	293.9	288.1	306.2	340.8	316.5	294.2	307.8	350.0	316.7	294.7	318.7
51°	279.9	276.7	292.7	321.8	302.0	282.1	295.8	334.0	304.2	283.1	306.5
52°	266.0	265.0	279.3	303.6	287.6	270.2	283.1	317.8	291.1	271.6	293.8
53°	252.6	254.0	265.4	286.0	273.1	259.0	270.8	300.8	278.2	260.5	281.0
54°	240.2	243.6	252.2	268.6	258.4	247.6	258.5	283.6	265.3	249.7	267.4
55°	228.3	233.0	239.4	251.7	244.1	236.7	246.5	266.5	251.7	238.7	253.6
56°	216.3	222.3	226.6	237.5	231.3	225.7	234.5	250.5	238.8	227.8	239.2
57°	205.8	211.7	213.8	223.2	218.4	214.7	222.5	235.4	225.9	217.1	225.6
58°	195.4	202.0	201.8	208.9	205.6	204.3	210.6	222.4	214.2	206.6	212.8
59°	185.0	192.4	189.5	196.9	194.3	194.3	199.5	210.5	202.9	196.3	200.4
60°	175.1	182.9	177.8	185.0	182.9	184.5	188.6	199.7	191.9	186.4	188.1
61°	166.2	173.7	167.5	173.8	172.4	175.2	178.3	189.0	181.2	176.7	176.0
62°	158.5	164.7	158.8	164.5	162.6	166.2	169.0	179.1	171.3	167.4	164.8
63°	151.2	155.8	151.3	156.5	154.0	157.4	160.9	171.0	162.5	158.3	154.9
64°	144.0	147.1	144.1	150.4	146.0	148.8	153.6	165.4	154.7	149.7	146.6
65°	136.9	138.1	137.0	144.3	138.7	140.6	146.7	161.5	147.1	141.5	139.1
66°	129.4	129.4	129.9	137.5	131.3	132.3	139.6	157.0	139.8	133.2	131.7
67°	121.9	121.1	122.8	129.2	124.0	123.9	132.0	151.0	132.3	125.1	124.5
68°	114.0	112.2	115.1	119.4	117.0	115.4	124.6	143.9	125.2	116.7	117.4
69°	106.0	102.6	107.0	110.1	109.5	106.5	117.0	135.6	117.7	108.2	110.0
70°	97.8	93.4	99.0	105.2	101.4	97.2	109.0	126.6	109.9	98.6	102.2
71°	89.6	85.2	90.9	106.9	93.3	88.4	100.7	117.3	102.0	90.3	93.9
72°	81.1	77.7	82.7	111.8	84.8	80.4	92.1	116.5	93.4	82.1	85.5
73°	72.8	70.5	74.5	99.2	76.3	72.5	83.3	112.8	84.8	74.0	77.2
74°	64.6	63.4	66.2	80.9	67.8	64.9	74.7	96.0	76.2	66.2	68.8
75°	56.9	56.4	58.1	68.3	59.7	57.6	66.5	81.8	67.4	58.7	60.5
76°	49.5	49.6	50.8	58.3	51.8	50.7	58.5	67.7	59.5	51.7	52.7
77°	42.4	43.1	43.6	50.3	44.2	44.1	51.5	58.1	52.4	44.9	45.5
78°	35.7	36.8	36.6	43.1	37.0	37.8	44.3	50.1	44.5	38.5	38.5
79°	29.5	30.9	30.2	36.4	30.3	31.8	37.1	42.7	36.8	32.3	31.6
80°	24.4	25.8	25.0	30.1	25.0	26.5	30.3	35.8	29.9	26.6	25.6
81°	19.4	20.7	19.9	24.4	19.6	21.2	25.0	29.3	23.6	21.2	20.2
82°	14.4	15.6	14.8	18.8	14.3	15.9	19.7	23.4	18.3	16.3	15.2
83°	12.5	13.5	12.5	13.2	11.2	12.3	14.4	18.1	13.7	12.2	10.7
84°	12.0	13.2	12.2	9.9	10.3	10.7	12.0	13.1	11.5	9.7	8.4
85°	9.5	10.5	10.0	6.2	8.5	9.0	10.0	9.4	8.4	7.2	6.0
86°	4.9	5.3	5.7	3.1	5.2	5.9	6.5	5.8	5.3	4.7	3.5
87°	1.4	1.4	1.7	1.3	2.1	1.9	2.3	2.1	2.3	1.7	1.1
88°	0.6	0.6	0.6	0.6	0.6	0.7	1.0	0.7	0.7	0.4	0.2
89°	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1

REPORT NUMBER: P1440275

CATALOG NUMBER: XSF60-KNYK-4Hx4V-850-Position 1

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
94°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
96°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
101°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
104°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
106°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
108°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
109°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
111°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
114°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
116°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
118°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
119°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
121°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
123°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
124°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
126°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
128°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
129°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
131°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
133°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
134°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1440275

CATALOG NUMBER: XSF60-KNYK-4Hx4V-850-Position 1

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
136°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
138°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
139°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
141°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
143°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
144°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
146°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
148°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
149°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
151°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
153°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
154°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
156°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
158°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
159°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
161°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
163°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
164°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
166°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
168°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
169°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
171°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
173°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
174°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
176°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
178°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
179°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1440275
CATALOG NUMBER: XSF60-KNYK-4Hx4V-850-Position 1

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1440275

CATALOG NUMBER: XSF60-KNYK-4Hx4V-850-Position 1

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	20566.9	20566.9	20566.9
1°	20640.3	20609.4	20574.3
2°	20613.7	20544.5	20476.4
3°	20498.8	20384.9	20280.6
4°	20303.0	20142.3	20017.8
5°	20060.3	19866.7	19714.5
6°	19774.1	19548.5	19392.1
7°	19479.3	19245.2	19082.4
8°	19193.1	18957.9	18790.8
9°	18897.2	18683.3	18497.1
10°	18616.3	18405.6	18210.8
11°	18324.7	18104.4	17875.6
12°	18007.6	17742.6	17450.0
13°	17620.2	17299.9	16960.5
14°	17157.3	16777.4	16396.5
15°	16624.2	16201.7	15785.6
16°	16009.1	15581.3	15131.2
17°	15330.2	14915.2	14459.7
18°	14589.5	14227.7	13801.0
19°	13789.3	13532.8	13089.1
20°	12890.1	12786.9	12330.3
21°	11958.9	11965.3	11481.1
22°	10934.2	11034.2	10514.5
23°	9872.1	9999.8	9432.1
24°	8727.2	8853.6	8347.9
25°	7581.8	7706.9	7263.6
26°	6436.4	6560.1	6166.6
27°	5349.6	5419.8	5057.1
28°	4336.0	4327.7	4037.6
29°	3451.9	3398.1	3201.1
30°	2701.5	2641.9	2507.9
31°	2118.9	2059.0	1977.4
32°	1678.5	1630.0	1570.9
33°	1349.9	1314.8	1282.1
34°	1114.4	1085.9	1063.9
35°	985.1	957.1	938.5
36°	857.6	829.8	814.6
37°	730.1	702.4	690.8
38°	659.8	630.8	619.4
39°	607.7	573.9	562.9
40°	565.0	527.5	516.8
41°	532.1	490.4	479.3
42°	504.3	458.9	446.9
43°	480.8	432.2	419.5
44°	459.5	409.0	395.4

REPORT NUMBER: P1440275

CATALOG NUMBER: XSF60-KNYK-4Hx4V-850-Position 1

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	440.2	388.5	374.3
46°	421.9	370.1	355.2
47°	405.1	353.6	338.5
48°	389.4	339.4	323.0
49°	373.9	325.9	308.1
50°	358.4	313.0	293.9
51°	342.1	300.4	280.9
52°	324.1	287.3	268.7
53°	305.5	274.7	257.6
54°	286.5	261.9	246.5
55°	268.0	249.0	235.8
56°	249.5	236.0	225.1
57°	232.9	222.8	214.9
58°	217.6	209.7	204.1
59°	203.7	196.5	194.1
60°	191.8	184.1	183.8
61°	180.3	172.5	174.2
62°	169.1	161.8	165.0
63°	159.2	152.4	155.7
64°	151.0	144.5	146.9
65°	143.9	137.1	138.1
66°	138.3	130.2	129.4
67°	132.1	123.1	121.0
68°	123.1	115.6	112.5
69°	113.1	108.2	103.5
70°	104.1	100.2	94.9
71°	103.5	92.1	86.3
72°	103.0	84.0	77.7
73°	102.5	75.9	70.3
74°	93.2	68.1	63.2
75°	76.1	60.3	56.2
76°	62.6	52.2	49.5
77°	52.7	44.8	42.8
78°	44.5	37.8	36.3
79°	37.2	30.7	29.9
80°	30.2	24.3	23.9
81°	23.3	18.6	18.6
82°	17.3	13.6	13.7
83°	12.3	11.1	10.9
84°	8.8	8.6	8.2
85°	5.3	6.1	5.5
86°	1.9	1.7	1.2
87°	0.4	0.3	0.3
88°	0.2	0.2	0.2
89°	0.1	0.1	0.1

REPORT NUMBER: P1440275

CATALOG NUMBER: XSF60-KNYK-4Hx4V-850-Position 1

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
90°	0.0	0.0	0.0
91°	0.0	0.0	0.0
92°	0.0	0.0	0.0
93°	0.0	0.0	0.0
94°	0.0	0.0	0.0
95°	0.0	0.0	0.0
96°	0.0	0.0	0.0
97°	0.0	0.0	0.0
98°	0.0	0.0	0.0
99°	0.0	0.0	0.0
100°	0.0	0.0	0.0
101°	0.0	0.0	0.0
102°	0.0	0.0	0.0
103°	0.0	0.0	0.0
104°	0.0	0.0	0.0
105°	0.0	0.0	0.0
106°	0.0	0.0	0.0
107°	0.0	0.0	0.0
108°	0.0	0.0	0.0
109°	0.0	0.0	0.0
110°	0.0	0.0	0.0
111°	0.0	0.0	0.0
112°	0.0	0.0	0.0
113°	0.0	0.0	0.0
114°	0.0	0.0	0.0
115°	0.0	0.0	0.0
116°	0.0	0.0	0.0
117°	0.0	0.0	0.0
118°	0.0	0.0	0.0
119°	0.0	0.0	0.0
120°	0.0	0.0	0.0
121°	0.0	0.0	0.0
122°	0.0	0.0	0.0
123°	0.0	0.0	0.0
124°	0.0	0.0	0.0
125°	0.0	0.0	0.0
126°	0.0	0.0	0.0
127°	0.0	0.0	0.0
128°	0.0	0.0	0.0
129°	0.0	0.0	0.0
130°	0.0	0.0	0.0
131°	0.0	0.0	0.0
132°	0.0	0.0	0.0
133°	0.0	0.0	0.0
134°	0.0	0.0	0.0

REPORT NUMBER: P1440275

CATALOG NUMBER: XSF60-KNYK-4Hx4V-850-Position 1

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
135°	0.0	0.0	0.0
136°	0.0	0.0	0.0
137°	0.0	0.0	0.0
138°	0.0	0.0	0.0
139°	0.0	0.0	0.0
140°	0.0	0.0	0.0
141°	0.0	0.0	0.0
142°	0.0	0.0	0.0
143°	0.0	0.0	0.0
144°	0.0	0.0	0.0
145°	0.0	0.0	0.0
146°	0.0	0.0	0.0
147°	0.0	0.0	0.0
148°	0.0	0.0	0.0
149°	0.0	0.0	0.0
150°	0.0	0.0	0.0
151°	0.0	0.0	0.0
152°	0.0	0.0	0.0
153°	0.0	0.0	0.0
154°	0.0	0.0	0.0
155°	0.0	0.0	0.0
156°	0.0	0.0	0.0
157°	0.0	0.0	0.0
158°	0.0	0.0	0.0
159°	0.0	0.0	0.0
160°	0.0	0.0	0.0
161°	0.0	0.0	0.0
162°	0.0	0.0	0.0
163°	0.0	0.0	0.0
164°	0.0	0.0	0.0
165°	0.0	0.0	0.0
166°	0.0	0.0	0.0
167°	0.0	0.0	0.0
168°	0.0	0.0	0.0
169°	0.0	0.0	0.0
170°	0.0	0.0	0.0
171°	0.0	0.0	0.0
172°	0.0	0.0	0.0
173°	0.0	0.0	0.0
174°	0.0	0.0	0.0
175°	0.0	0.0	0.0
176°	0.0	0.0	0.0
177°	0.0	0.0	0.0
178°	0.0	0.0	0.0
179°	0.0	0.0	0.0

REPORT NUMBER: P1440275

CATALOG NUMBER: XSF60-KNYK-4Hx4V-850-Position 1

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)