

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: P1440271

Luminaire Tested: XSF60-KNYK-4Hx4V-840-Position 1

Issue Date: 04/15/2026

Test Information

Test Method: LM-79-2024
Report Number: P1440271
Test Lab: THIRD PARTY NVLAP
Issue Date: 7/15/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XSF60-KNYK-4Hx4V-840-Position 1
Description: LUMARK ALL SELECTABLE LUMINAIRE 60W w/ NEMA 4 FLOOD DISTRIBUTION 4000K CCT 80 CRI LIGHT ENGINE AT Position 1
Light Source: (1) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9501.9 lumens
Efficiency: N/A
Efficacy: 150.8 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

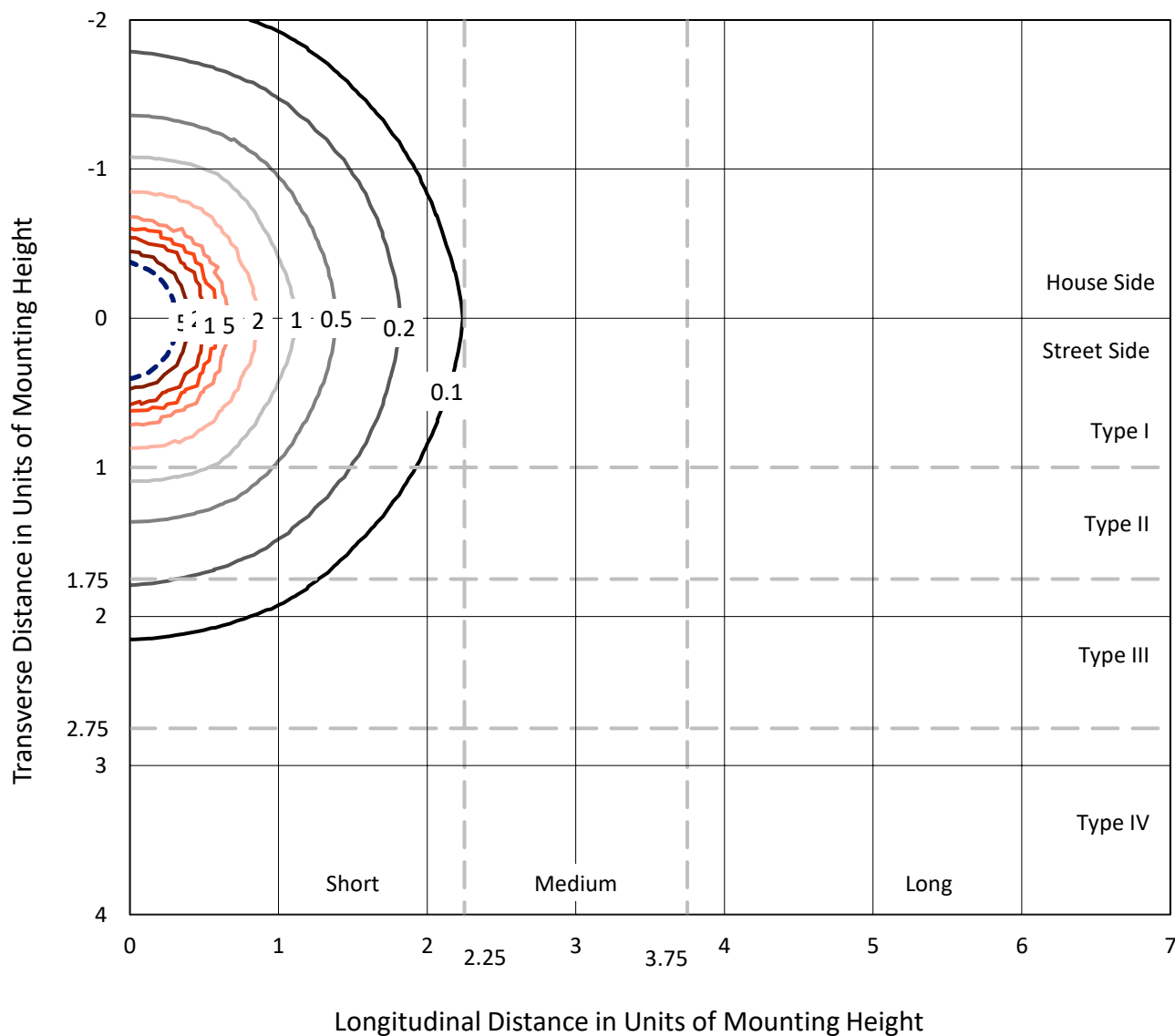
REPORT NUMBER: P1440271

CATALOG NUMBER: XSF60-KNYK-4Hx4V-840-Position 1

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



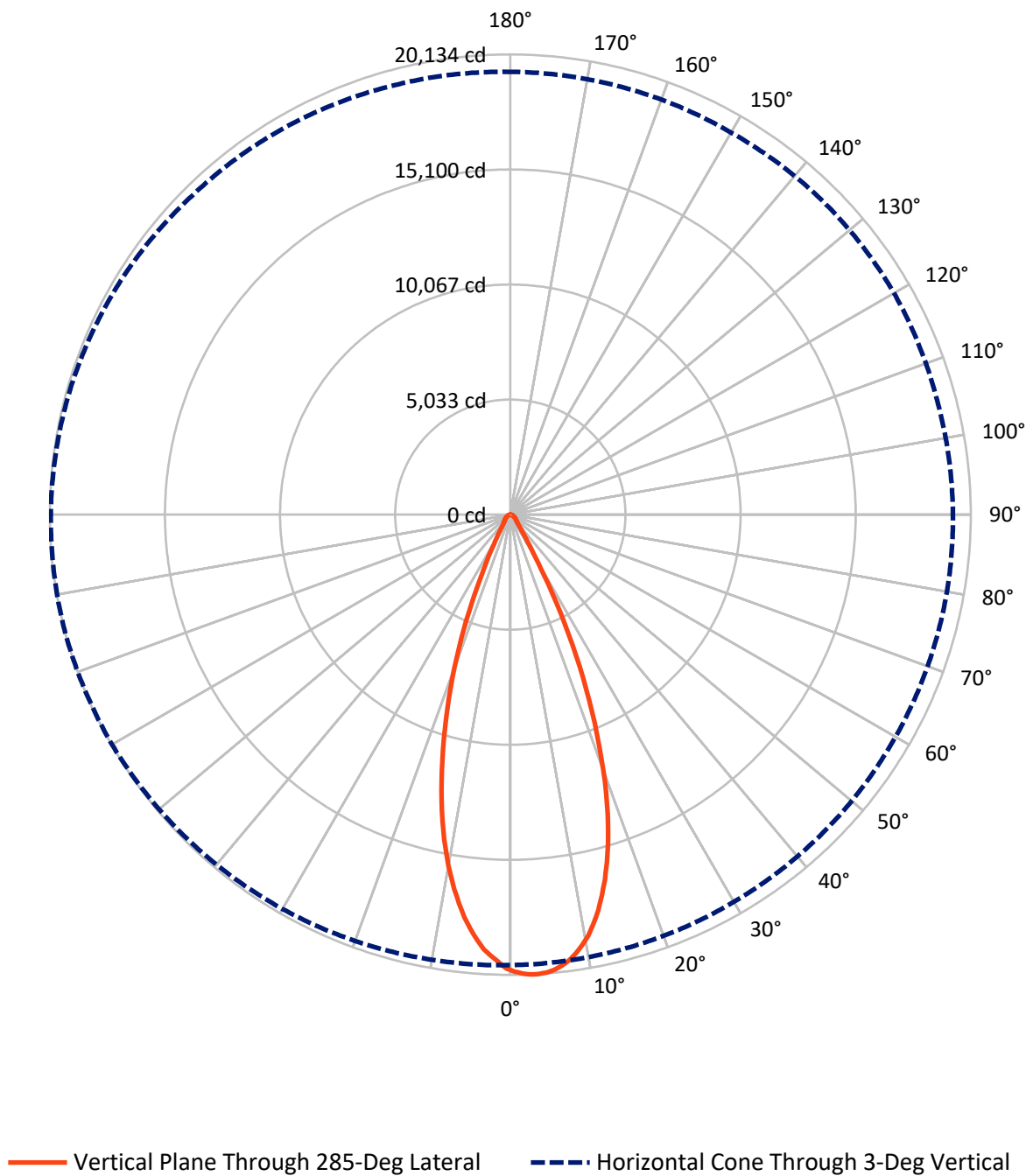
Based on 10 foot mounting height. Maximum calculated value = 199.8 fc

Type I - Short - N/A

REPORT NUMBER: P1440271

CATALOG NUMBER: XSF60-KNYK-4Hx4V-840-Position 1

Luminous Intensity Polar Plot



REPORT NUMBER: P1440271

CATALOG NUMBER: XSF60-KNYK-4Hx4V-840-Position 1

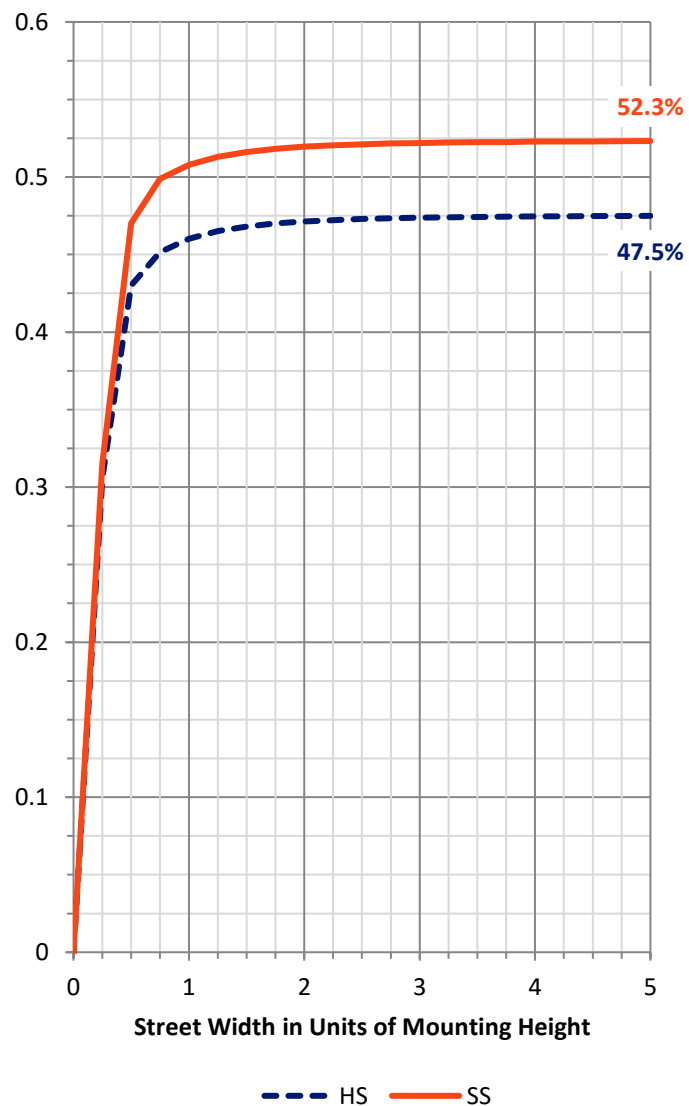
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4575.9	0.0	4575.9
	% Fixture	48.2	0.0	48.2
Street Side	Lumens	4926.0	0.0	4926.0
	% Fixture	51.8	0.0	51.8
Total	Lumens	9501.9	0.0	9501.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1769.6	18.6
10°-20°	3934.7	41.4
20°-30°	2519.9	26.5
30°-40°	561.5	5.9
40°-50°	292.3	3.1
50°-60°	212.5	2.2
60°-70°	136.9	1.4
70°-80°	65.5	0.7
80°-90°	9.0	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	9501.9	100.0
0°-180°	9501.9	100.0

Coefficient of Utilization



REPORT NUMBER: P1440271

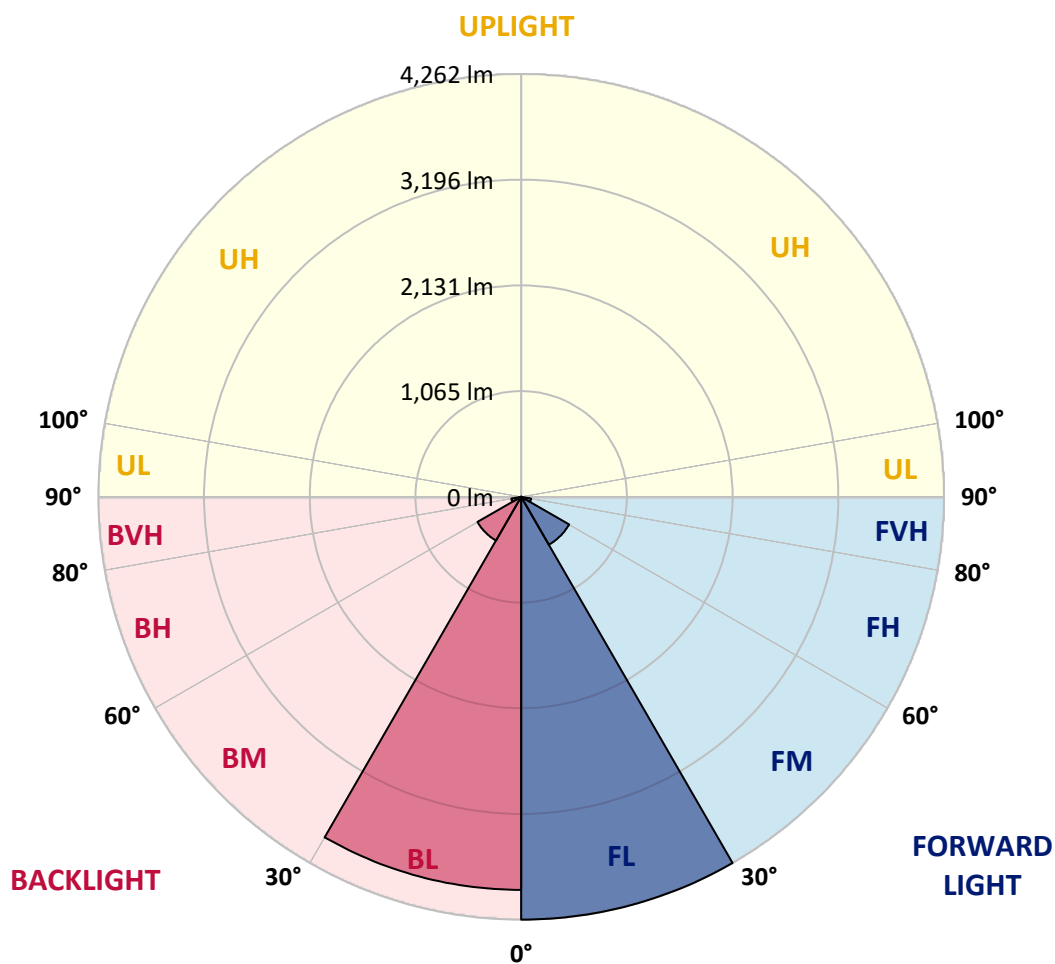
CATALOG NUMBER: XSF60-KNYK-4Hx4V-840-Position 1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4261.9	44.9			
FM	(30°-60°)	558.2	5.9			
FH	(60°-80°)	101.6	1.1			G0/660
FVH	(80°-90°)	4.3	0.0			G0/10
BL	(0°-30°)	3962.2	41.7	B4/5000		
BM	(30°-60°)	508.1	5.3	B1/1000		
BH	(60°-80°)	100.8	1.1	B0/110		G0/110
BVH	(80°-90°)	4.8	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



REPORT NUMBER: P1440271

CATALOG NUMBER: XSF60-KNYK-4Hx4V-840-Position 1

CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	19984.8	19984.8	19984.8	19984.8	19984.8	19984.8	19984.8	19984.8	19984.8	19984.8	19984.8
1°	19992.0	19968.3	19930.0	19896.9	19868.0	19838.0	19853.5	19847.3	19838.0	19835.9	19835.9
2°	19896.9	19840.0	19774.9	19735.6	19687.0	19656.0	19604.3	19582.6	19608.4	19598.1	19568.1
3°	19706.6	19632.2	19556.7	19506.0	19447.1	19400.6	19354.0	19317.8	19375.8	19358.2	19300.3
4°	19451.2	19368.5	19280.6	19211.3	19151.4	19088.3	19102.8	19049.0	19021.1	19019.0	19031.4
5°	19156.5	19055.2	18960.1	18877.3	18789.5	18702.6	18718.1	18653.0	18632.3	18641.6	18672.6
6°	18843.2	18733.6	18621.9	18497.9	18380.0	18272.4	18265.2	18207.3	18204.2	18234.2	18314.8
7°	18542.3	18416.2	18261.1	18088.4	17929.1	17797.8	17770.9	17723.4	17716.1	17804.0	17942.6
8°	18259.0	18110.1	17899.2	17657.2	17439.0	17253.9	17220.8	17159.8	17189.8	17337.7	17549.6
9°	17973.6	17805.1	17525.9	17199.1	16897.2	16669.7	16604.5	16564.2	16625.2	16827.9	17132.9
10°	17695.4	17464.9	17132.9	16716.2	16328.5	16050.3	15945.9	15917.9	16028.6	16299.5	16672.8
11°	17369.7	17093.6	16694.5	16204.4	15739.1	15369.9	15246.8	15233.4	15384.4	15711.1	16158.9
12°	16956.1	16663.5	16228.1	15657.4	15122.8	14673.0	14485.8	14482.7	14696.7	15078.3	15577.7
13°	16480.5	16154.7	15674.9	15058.7	14453.7	13928.5	13695.8	13694.8	13959.5	14398.9	14939.7
14°	15932.4	15577.7	15041.1	14404.1	13755.8	13143.6	12850.0	12870.6	13176.7	13662.7	14228.3
15°	15338.9	14937.7	14341.0	13698.9	12980.2	12316.4	11985.5	12004.1	12351.6	12866.5	13447.6
16°	14702.9	14242.8	13575.8	12936.8	12158.2	11450.9	11092.1	11121.0	11480.9	12034.1	12605.9
17°	14050.5	13521.0	12799.3	12112.7	11312.3	10565.8	10208.2	10231.7	10589.6	11155.2	11744.6
18°	13410.4	12778.6	11985.5	11265.8	10439.6	9709.3	9332.9	9343.9	9683.5	10244.6	10851.2
19°	12718.6	12011.4	11143.8	10376.5	9531.8	8841.8	8464.9	8461.0	8768.9	9285.4	9911.5
20°	11981.4	11200.7	10277.4	9426.7	8661.5	7974.1	7613.7	7599.6	7880.5	8321.4	8939.1
21°	11156.2	10310.4	9342.2	8534.7	7791.4	7106.3	6756.4	6735.7	6983.9	7350.7	7905.6
22°	10216.9	9544.0	8405.1	7644.1	6902.1	6241.0	5909.2	5886.7	6097.7	6388.8	6882.5
23°	9165.2	8460.8	7467.9	6724.0	6028.3	5393.0	5077.8	5050.8	5237.0	5462.9	5886.9
24°	8111.6	7369.3	6519.3	5829.8	5176.6	4577.3	4280.0	4245.5	4402.0	4583.2	4950.3
25°	7058.0	6341.6	5594.3	4960.5	4364.0	3832.4	3566.9	3517.1	3633.4	3782.6	4094.7
26°	5992.0	5360.3	4712.7	4148.0	3619.8	3171.1	2948.6	2881.3	2959.1	3078.8	3326.3
27°	4913.9	4418.8	3896.3	3423.1	2979.5	2610.2	2521.5	2457.8	2512.4	2606.8	2690.2
28°	3923.3	3557.4	3165.2	2792.6	2430.1	2141.2	2094.5	2034.2	2065.8	2134.7	2276.5
29°	3110.5	2842.3	2569.6	2275.8	1995.2	1766.3	1668.2	1612.1	1623.4	1667.4	1862.8
30°	2436.9	2260.3	2072.9	1855.2	1641.6	1459.9	1391.4	1340.1	1343.4	1376.3	1451.3
31°	1921.4	1810.2	1682.5	1524.6	1360.9	1220.1	1171.4	1127.5	1128.9	1157.0	1206.8
32°	1526.4	1456.9	1383.8	1267.2	1143.0	1037.3	1001.1	959.8	963.6	988.8	1021.8
33°	1245.8	1199.3	1152.2	1067.5	970.7	921.7	869.2	831.7	835.1	856.6	881.9
34°	1033.7	1004.8	978.6	946.8	863.7	807.5	769.2	731.6	733.0	755.6	776.0
35°	911.9	891.6	876.5	826.2	757.6	693.2	689.8	653.3	653.0	674.9	695.2
36°	791.6	779.8	774.8	705.7	651.5	624.9	627.8	591.7	590.1	612.2	633.5
37°	671.2	668.1	673.1	631.8	587.0	570.3	577.9	541.9	538.2	560.4	584.3
38°	601.9	601.5	612.8	573.6	535.4	525.4	536.4	500.7	496.8	518.9	545.3
39°	547.0	547.7	565.3	525.4	493.0	488.0	503.0	467.3	462.3	484.8	514.1
40°	502.2	504.3	526.8	485.2	458.5	457.3	474.9	439.4	433.9	457.0	488.0
41°	465.7	468.6	494.9	453.6	429.7	431.4	451.5	416.0	409.9	433.6	466.3
42°	434.2	439.0	468.0	427.0	405.5	409.8	432.0	395.8	389.3	414.0	446.9
43°	407.7	413.9	444.8	404.5	384.0	390.6	414.9	378.7	371.8	397.3	430.0
44°	384.3	392.4	423.9	384.8	365.0	373.5	399.7	363.6	355.7	382.8	415.1

REPORT NUMBER: P1440271

CATALOG NUMBER: XSF60-KNYK-4Hx4V-840-Position 1

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	363.8	373.0	405.6	367.6	348.0	358.1	385.9	350.0	341.2	369.1	400.1
46°	345.1	355.6	388.8	352.6	333.0	344.2	372.5	336.6	327.9	355.6	384.2
47°	328.9	339.8	373.5	339.5	319.2	331.1	357.9	323.7	315.2	341.6	366.6
48°	313.9	325.1	359.1	326.9	306.5	317.7	343.0	311.1	303.3	327.7	348.9
49°	299.4	310.3	343.8	314.5	294.2	304.9	328.5	298.7	291.7	313.6	330.8
50°	285.6	295.9	327.7	302.1	282.5	292.1	313.3	286.4	280.3	299.6	313.0
51°	273.0	281.4	310.6	289.0	271.1	279.1	297.8	274.2	269.6	286.0	295.9
52°	261.1	267.4	293.4	276.0	259.9	265.8	282.7	262.4	258.6	272.3	279.2
53°	250.3	254.2	276.7	262.9	248.9	253.1	268.4	250.5	247.7	259.0	263.2
54°	239.6	240.9	260.3	250.0	238.0	240.7	254.1	239.5	237.0	245.8	247.8
55°	229.1	228.4	244.4	237.3	227.6	229.0	241.0	228.8	226.8	233.4	234.7
56°	218.7	216.3	229.3	224.7	217.4	218.3	229.8	218.0	216.5	220.9	221.8
57°	208.8	205.0	215.2	212.4	207.5	208.1	218.7	207.2	206.2	208.5	209.1
58°	198.3	194.1	202.9	200.4	197.9	198.3	207.5	197.2	196.8	196.4	197.6
59°	188.6	183.9	191.4	188.7	188.7	189.1	197.6	187.7	187.6	185.1	186.7
60°	178.6	174.0	180.2	177.0	179.1	180.2	187.8	178.5	178.4	174.3	176.3
61°	169.3	164.6	169.4	166.3	169.8	171.9	178.7	170.0	169.1	164.8	166.3
62°	160.3	155.8	159.7	156.8	161.3	163.7	171.3	162.2	160.4	156.5	158.4
63°	151.3	147.6	151.0	148.3	152.7	156.1	166.0	154.7	152.2	148.7	151.5
64°	142.7	140.2	144.0	140.5	144.5	148.5	160.7	147.3	144.0	141.1	145.3
65°	134.2	132.8	138.0	133.1	136.3	141.1	154.3	139.7	135.8	133.6	138.2
66°	125.8	125.8	132.1	125.6	128.0	133.8	147.3	132.1	127.4	126.3	129.9
67°	117.6	118.8	124.4	118.1	119.6	126.7	139.5	124.7	118.9	119.3	120.2
68°	109.3	111.5	115.0	110.7	110.8	118.8	131.0	116.8	109.9	111.9	110.2
69°	100.6	104.2	105.8	102.7	101.5	110.4	121.8	108.7	100.2	104.1	103.6
70°	92.2	96.0	97.8	94.5	92.7	102.2	114.8	100.5	90.6	96.0	110.7
71°	83.9	88.2	99.8	86.2	83.9	93.6	125.9	92.0	82.2	87.7	115.1
72°	75.5	80.4	102.0	77.9	75.1	85.1	115.2	83.5	74.4	79.2	106.4
73°	68.3	72.6	104.1	69.5	67.3	76.5	97.1	75.1	66.8	70.5	88.2
74°	61.4	64.5	86.4	61.8	59.9	68.4	81.6	67.1	59.5	62.2	75.1
75°	54.6	56.3	69.2	54.0	52.8	60.6	70.2	59.8	52.7	54.6	65.5
76°	48.1	49.0	57.2	46.8	46.1	52.8	61.8	53.2	46.0	47.2	56.8
77°	41.6	42.0	48.3	40.2	39.8	45.0	54.5	46.0	39.7	40.0	49.0
78°	35.2	34.8	40.9	33.8	33.8	37.7	47.7	38.6	33.7	33.2	41.6
79°	29.0	28.1	34.1	27.6	28.1	31.0	40.9	31.8	28.0	27.6	35.1
80°	23.2	22.1	27.4	22.0	22.8	25.0	34.1	26.4	23.1	22.0	28.6
81°	18.1	16.9	20.8	17.1	17.9	19.7	27.8	21.0	18.2	16.4	23.0
82°	13.3	12.3	15.4	12.5	13.5	15.1	22.5	15.6	13.4	12.4	17.5
83°	10.6	9.9	10.5	9.7	10.4	11.5	17.1	12.1	10.6	9.7	12.0
84°	8.0	7.5	7.0	7.1	8.1	8.8	11.7	9.9	8.5	7.8	8.5
85°	5.3	5.0	3.5	4.4	5.9	6.1	7.3	7.3	6.1	5.5	5.0
86°	1.1	1.2	1.2	2.0	2.6	3.4	3.8	4.0	3.2	2.9	2.4
87°	0.3	0.3	0.3	0.4	0.8	1.1	1.5	1.3	1.0	1.1	1.0
88°	0.2	0.1	0.1	0.2	0.2	0.3	0.4	0.4	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



REPORT NUMBER: P1440271

CATALOG NUMBER: XSF60-KNYK-4Hx4V-840-Position 1

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P1440271

CATALOG NUMBER: XSF60-KNYK-4Hx4V-840-Position 1

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P1440271
CATALOG NUMBER: XSF60-KNYK-4Hx4V-840-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: P1440271

CATALOG NUMBER: XSF60-KNYK-4Hx4V-840-Position 1

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	19984.8	19984.8	19984.8	19984.8	19984.8	19984.8	19984.8	19984.8	19984.8	19984.8	19984.8
1°	19863.8	19878.3	19913.5	19943.4	19977.6	20005.5	20030.3	20060.3	20079.9	20087.2	20079.9
2°	19597.0	19625.0	19684.9	19814.2	19896.9	19979.6	20046.8	20104.7	20131.6	20129.6	20088.2
3°	19330.3	19371.6	19456.4	19592.9	19706.6	19885.5	20014.8	20095.4	20133.7	20109.9	20017.9
4°	19062.4	19118.3	19226.9	19370.6	19517.4	19722.2	19936.2	20047.9	20092.3	20035.5	19891.7
5°	18733.6	18798.8	18910.4	19083.1	19327.2	19558.8	19824.5	19969.3	20008.6	19895.9	19702.5
6°	18397.6	18487.5	18603.3	18781.2	19054.2	19393.3	19615.6	19833.8	19861.7	19725.3	19478.1
7°	18072.9	18186.6	18321.0	18498.9	18776.0	19118.3	19405.7	19631.2	19666.3	19497.8	19220.6
8°	17746.1	17898.1	18047.0	18223.8	18481.3	18832.9	19195.8	19380.9	19409.9	19231.0	18936.3
9°	17400.7	17585.8	17757.5	17945.7	18187.6	18506.1	18866.0	19066.6	19088.3	18908.4	18634.3
10°	17006.8	17232.2	17439.0	17656.2	17868.1	18142.1	18473.0	18675.7	18722.2	18541.3	18316.9
11°	16545.6	16803.1	17060.5	17327.3	17532.1	17732.7	18021.2	18208.3	18253.8	18121.5	17978.8
12°	16016.2	16297.4	16595.2	16931.3	17149.5	17274.6	17501.0	17664.4	17733.7	17660.3	17624.1
13°	15409.2	15701.8	16051.3	16468.0	16718.3	16767.9	16922.0	17058.5	17147.4	17136.0	17207.4
14°	14732.9	15041.1	15429.9	15932.4	16210.6	16216.8	16303.6	16396.7	16504.2	16563.2	16750.3
15°	14005.0	14377.2	14770.2	15311.0	15628.4	15611.9	15626.3	15666.7	15794.9	15953.1	16225.0
16°	13247.0	13693.7	14094.9	14614.0	14949.0	14919.1	14895.3	14873.6	15035.9	15284.1	15632.5
17°	12484.9	13023.7	13417.6	13874.7	14199.4	14182.8	14103.2	14019.5	14224.2	14560.3	14941.8
18°	11668.1	12316.4	12730.0	13081.6	13350.4	13359.7	13243.9	13098.1	13319.4	13753.7	14151.8
19°	10777.7	11537.8	11974.1	12254.4	12436.3	12474.6	12288.5	12127.2	12379.5	12889.2	13292.5
20°	9820.5	10643.3	11134.5	11344.4	11442.6	11507.8	11322.7	11116.9	11378.5	11936.9	12328.8
21°	8776.6	9654.5	10155.8	10353.8	10398.3	10497.5	10280.5	10099.0	10367.2	10929.8	11320.6
22°	7702.0	8560.4	9090.6	9268.3	9314.5	9445.6	9259.4	9075.5	9348.1	9896.3	10268.2
23°	6619.6	7431.0	7949.7	8131.7	8197.9	8366.9	8201.6	8051.9	8328.6	8839.0	9171.5
24°	5577.7	6286.5	6793.6	6988.7	7086.2	7303.7	7168.3	7028.4	7309.1	7781.2	8074.4
25°	4588.3	5176.6	5649.9	5880.5	6017.1	6242.5	6147.9	6013.9	6305.0	6723.4	6977.3
26°	3702.7	4159.5	4588.0	4847.9	5014.9	5223.7	5134.9	5033.1	5315.9	5718.0	5931.6
27°	2953.4	3282.1	3652.9	3944.8	4101.6	4265.6	4196.1	4102.3	4365.5	4735.6	4945.5
28°	2468.4	2727.2	2862.7	3136.1	3299.8	3400.5	3341.4	3279.6	3501.9	3830.2	4033.5
29°	1983.5	2172.2	2386.6	2624.6	2628.2	2683.0	2635.8	2593.6	2764.9	3037.6	3232.3
30°	1502.5	1619.0	1910.3	2112.9	2159.5	2183.5	2154.0	2055.6	2169.9	2376.9	2541.6
31°	1230.6	1314.8	1441.7	1607.2	1691.4	1686.6	1672.6	1649.0	1724.6	1868.5	2006.4
32°	1026.3	1086.4	1180.1	1311.7	1373.5	1362.1	1352.1	1344.3	1392.7	1486.7	1591.4
33°	876.1	917.2	990.4	1094.1	1137.6	1117.5	1115.6	1119.2	1149.2	1206.9	1284.2
34°	763.5	790.8	845.4	932.7	957.6	938.4	941.1	946.5	968.4	1002.6	1056.7
35°	675.3	693.2	737.3	811.3	823.0	803.2	810.1	838.3	861.9	886.4	929.9
36°	608.7	618.9	655.1	721.5	720.1	702.2	711.1	731.0	756.5	771.4	804.3
37°	554.4	560.9	589.8	651.8	641.7	625.4	635.7	658.2	651.1	656.3	678.7
38°	511.2	514.2	538.8	598.8	580.6	564.4	575.0	602.8	590.5	590.7	608.0
39°	475.8	476.8	498.3	557.0	532.2	517.4	526.7	557.2	541.0	537.5	552.8
40°	447.0	445.4	465.3	523.2	493.0	477.6	487.0	519.9	500.4	494.0	508.0
41°	422.9	419.1	437.8	495.2	460.9	445.4	454.4	489.0	467.2	457.5	472.1
42°	402.4	396.2	415.1	470.9	434.9	417.6	426.4	463.6	438.3	426.6	442.0
43°	384.9	376.9	395.6	449.6	412.9	394.4	402.6	442.2	413.8	400.5	417.0
44°	369.3	359.5	378.7	430.9	393.7	373.8	382.2	423.5	392.7	377.9	395.6

REPORT NUMBER: P1440271

CATALOG NUMBER: XSF60-KNYK-4Hx4V-840-Position 1

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	355.1	344.2	364.2	414.2	376.9	355.4	364.1	407.4	374.6	358.5	377.3
46°	341.5	330.0	350.9	398.6	362.1	339.0	348.5	392.7	358.1	340.6	360.9
47°	327.6	316.3	337.6	383.4	348.4	324.0	334.2	379.2	343.5	324.7	346.4
48°	313.4	303.8	324.3	367.1	335.2	310.3	321.9	366.6	330.4	310.7	333.2
49°	299.5	291.7	310.9	349.1	321.6	297.8	310.8	353.8	318.7	298.3	321.2
50°	285.6	280.0	297.5	331.2	307.6	285.9	299.1	340.1	307.8	286.4	309.7
51°	272.0	268.9	284.5	312.7	293.5	274.1	287.5	324.6	295.6	275.1	297.9
52°	258.5	257.5	271.4	295.0	279.5	262.6	275.1	308.8	282.9	263.9	285.5
53°	245.5	246.8	257.9	277.9	265.3	251.6	263.2	292.2	270.3	253.1	273.0
54°	233.4	236.7	245.1	261.0	251.1	240.6	251.2	275.6	257.8	242.6	259.9
55°	221.8	226.4	232.6	244.6	237.2	230.0	239.6	259.0	244.6	231.9	246.4
56°	210.2	216.1	220.2	230.7	224.7	219.3	227.9	243.4	232.0	221.3	232.5
57°	200.0	205.7	207.8	216.9	212.2	208.6	216.2	228.7	219.5	211.0	219.2
58°	189.9	196.3	196.1	203.0	199.8	198.6	204.6	216.1	208.2	200.7	206.8
59°	179.7	186.9	184.2	191.3	188.8	188.8	193.9	204.5	197.2	190.8	194.8
60°	170.1	177.8	172.7	179.8	177.7	179.3	183.2	194.0	186.5	181.1	182.8
61°	161.5	168.8	162.7	168.9	167.5	170.2	173.3	183.6	176.1	171.7	171.0
62°	154.0	160.0	154.3	159.9	158.0	161.5	164.2	174.0	166.5	162.7	160.1
63°	146.9	151.4	147.0	152.1	149.7	153.0	156.4	166.2	157.9	153.8	150.5
64°	140.0	143.0	140.0	146.2	141.9	144.6	149.3	160.7	150.3	145.5	142.4
65°	133.1	134.2	133.1	140.2	134.7	136.6	142.5	157.0	142.9	137.5	135.1
66°	125.7	125.8	126.2	133.6	127.6	128.5	135.6	152.5	135.9	129.5	128.0
67°	118.4	117.7	119.3	125.5	120.5	120.4	128.3	146.7	128.6	121.6	121.0
68°	110.8	109.0	111.8	116.0	113.6	112.2	121.0	139.8	121.7	113.4	114.1
69°	103.0	99.7	104.0	107.0	106.4	103.5	113.7	131.8	114.4	105.1	106.9
70°	95.1	90.7	96.2	102.2	98.6	94.4	105.9	123.0	106.8	95.8	99.3
71°	87.1	82.8	88.3	103.9	90.6	85.9	97.9	114.0	99.1	87.8	91.2
72°	78.9	75.5	80.4	108.6	82.4	78.1	89.5	113.2	90.8	79.7	83.1
73°	70.7	68.5	72.4	96.4	74.1	70.5	80.9	109.6	82.4	71.9	75.0
74°	62.7	61.6	64.3	78.6	65.9	63.0	72.5	93.3	74.0	64.4	66.9
75°	55.3	54.8	56.5	66.3	58.0	56.0	64.6	79.5	65.5	57.1	58.8
76°	48.1	48.2	49.3	56.6	50.3	49.3	56.8	65.7	57.8	50.2	51.2
77°	41.2	41.9	42.4	48.9	43.0	42.8	50.0	56.5	50.9	43.7	44.2
78°	34.7	35.7	35.6	41.8	35.9	36.7	43.0	48.7	43.2	37.4	37.4
79°	28.6	30.0	29.3	35.4	29.5	30.9	36.0	41.5	35.7	31.4	30.7
80°	23.7	25.1	24.3	29.2	24.3	25.7	29.4	34.8	29.0	25.8	24.9
81°	18.9	20.1	19.3	23.8	19.1	20.6	24.3	28.5	23.0	20.6	19.7
82°	14.0	15.2	14.4	18.3	13.9	15.4	19.1	22.7	17.8	15.8	14.7
83°	12.1	13.1	12.2	12.8	10.9	11.9	14.0	17.5	13.4	11.8	10.4
84°	11.6	12.8	11.9	9.6	10.1	10.4	11.6	12.7	11.2	9.4	8.1
85°	9.3	10.2	9.7	6.0	8.3	8.7	9.7	9.2	8.2	7.0	5.9
86°	4.8	5.2	5.6	3.0	5.1	5.8	6.3	5.6	5.2	4.6	3.4
87°	1.4	1.4	1.7	1.3	2.1	1.8	2.3	2.0	2.2	1.7	1.0
88°	0.5	0.6	0.6	0.6	0.6	0.7	0.9	0.7	0.7	0.4	0.2
89°	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.1	0.1	0.1

REPORT NUMBER: P1440271

CATALOG NUMBER: XSF60-KNYK-4Hx4V-840-Position 1

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1440271

CATALOG NUMBER: XSF60-KNYK-4Hx4V-840-Position 1

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P1440271
CATALOG NUMBER: XSF60-KNYK-4Hx4V-840-Position 1

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1440271

CATALOG NUMBER: XSF60-KNYK-4Hx4V-840-Position 1

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	19984.8	19984.8	19984.8
1°	20056.1	20026.2	19992.0
2°	20030.3	19963.1	19896.9
3°	19918.6	19808.0	19706.6
4°	19728.4	19572.2	19451.2
5°	19492.6	19304.4	19156.5
6°	19214.4	18995.2	18843.2
7°	18928.0	18700.5	18542.3
8°	18649.9	18421.3	18259.0
9°	18362.4	18154.6	17973.6
10°	18089.4	17884.7	17695.4
11°	17806.1	17592.0	17369.7
12°	17497.9	17240.5	16956.1
13°	17121.6	16810.3	16480.5
14°	16671.8	16302.6	15932.4
15°	16153.7	15743.2	15338.9
16°	15556.0	15140.3	14702.9
17°	14896.3	14493.0	14050.5
18°	14176.6	13825.1	13410.4
19°	13399.0	13149.8	12718.6
20°	12525.3	12425.0	11981.4
21°	11620.5	11626.7	11156.2
22°	10624.7	10721.9	10216.9
23°	9592.7	9716.8	9165.2
24°	8480.2	8603.1	8111.6
25°	7367.2	7488.8	7058.0
26°	6254.3	6374.4	5992.0
27°	5198.2	5266.4	4913.9
28°	4213.3	4205.2	3923.3
29°	3354.2	3301.9	3110.5
30°	2625.0	2567.1	2436.9
31°	2059.0	2000.8	1921.4
32°	1631.0	1583.8	1526.4
33°	1311.7	1277.6	1245.8
34°	1082.8	1055.1	1033.7
35°	957.2	930.1	911.9
36°	833.4	806.3	791.6
37°	709.5	682.6	671.2
38°	641.2	612.9	601.9
39°	590.5	557.6	547.0
40°	549.1	512.6	502.2
41°	517.0	476.5	465.7
42°	490.0	445.9	434.2
43°	467.2	420.0	407.7
44°	446.5	397.4	384.3

REPORT NUMBER: P1440271

CATALOG NUMBER: XSF60-KNYK-4Hx4V-840-Position 1

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	427.7	377.5	363.8
46°	409.9	359.6	345.1
47°	393.7	343.6	328.9
48°	378.3	329.8	313.9
49°	363.3	316.7	299.4
50°	348.2	304.2	285.6
51°	332.5	291.9	273.0
52°	314.9	279.2	261.1
53°	296.9	266.9	250.3
54°	278.4	254.5	239.6
55°	260.4	242.0	229.1
56°	242.5	229.3	218.7
57°	226.3	216.5	208.8
58°	211.4	203.8	198.3
59°	197.9	190.9	188.6
60°	186.4	178.9	178.6
61°	175.2	167.6	169.3
62°	164.3	157.2	160.3
63°	154.7	148.1	151.3
64°	146.8	140.4	142.7
65°	139.8	133.2	134.2
66°	134.3	126.5	125.8
67°	128.3	119.6	117.6
68°	119.6	112.3	109.3
69°	109.9	105.1	100.6
70°	101.2	97.3	92.2
71°	100.5	89.5	83.9
72°	100.0	81.6	75.5
73°	99.6	73.8	68.3
74°	90.5	66.1	61.4
75°	74.0	58.6	54.6
76°	60.9	50.7	48.1
77°	51.2	43.5	41.6
78°	43.3	36.7	35.2
79°	36.2	29.8	29.0
80°	29.3	23.6	23.2
81°	22.6	18.0	18.1
82°	16.8	13.2	13.3
83°	11.9	10.8	10.6
84°	8.5	8.4	8.0
85°	5.2	5.9	5.3
86°	1.8	1.7	1.1
87°	0.4	0.3	0.3
88°	0.2	0.2	0.2
89°	0.1	0.1	0.1

REPORT NUMBER: P1440271

CATALOG NUMBER: XSF60-KNYK-4Hx4V-840-Position 1

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1440271

CATALOG NUMBER: XSF60-KNYK-4Hx4V-840-Position 1

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1440271

CATALOG NUMBER: XSF60-KNYK-4Hx4V-840-Position 1

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)