

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: P1440272

Luminaire Tested: XSF60-KNYK-4Hx4V-840-Position 2

Issue Date: 04/15/2026

Test Information

Test Method: LM-79-2024
Report Number: P1440272
Test Lab: THIRD PARTY NVLAP
Issue Date: 7/15/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XSF60-KNYK-4Hx4V-840-Position 2
Description: LUMARK ALL SELECTABLE LUMINAIRE 60W w/ NEMA 4 FLOOD DISTRIBUTION 4000K CCT 80 CRI LIGHT ENGINE AT Position 2
Light Source: (1) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7567.5 lumens
Efficiency: N/A
Efficacy: 161.0 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): 47
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

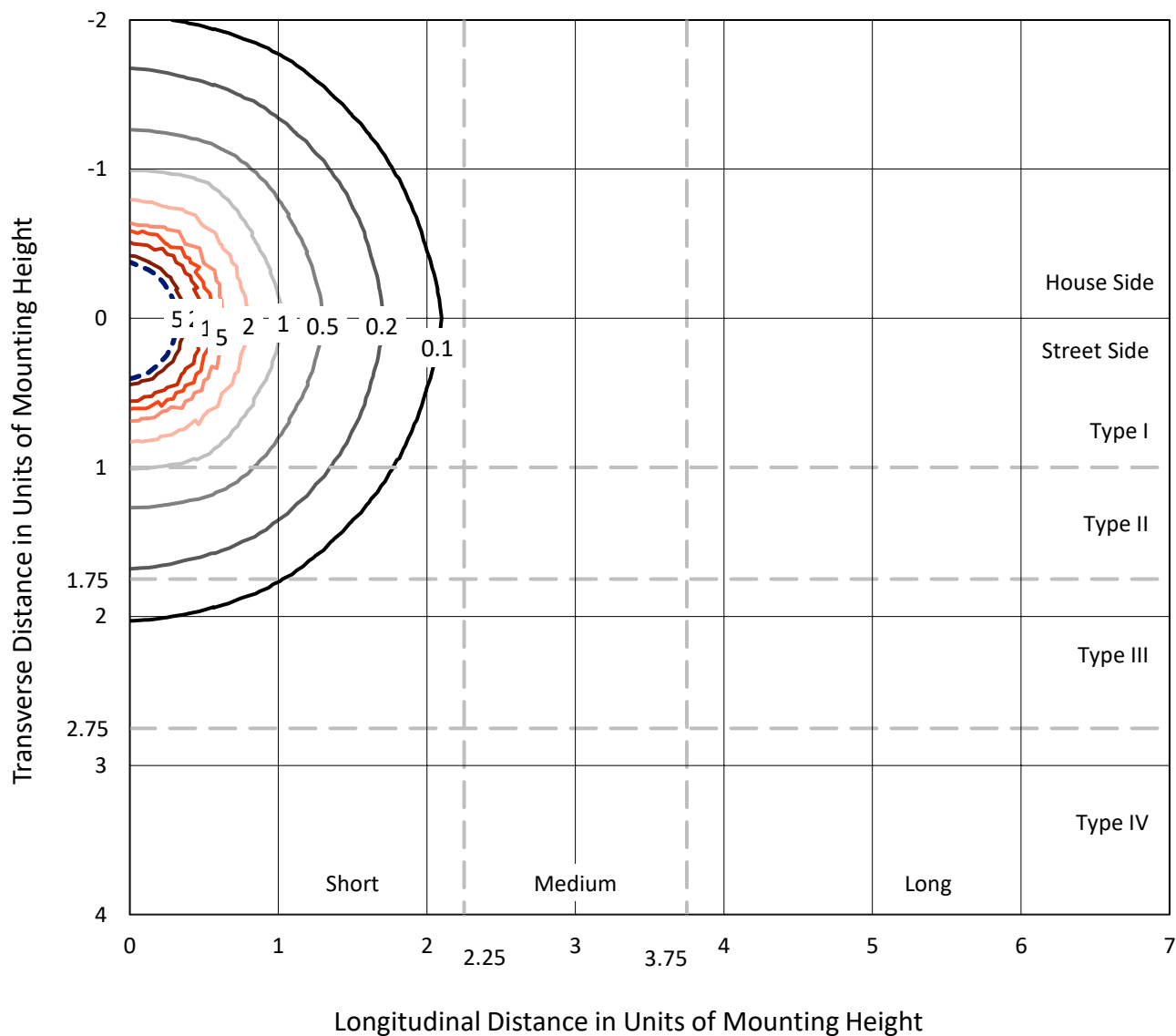
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



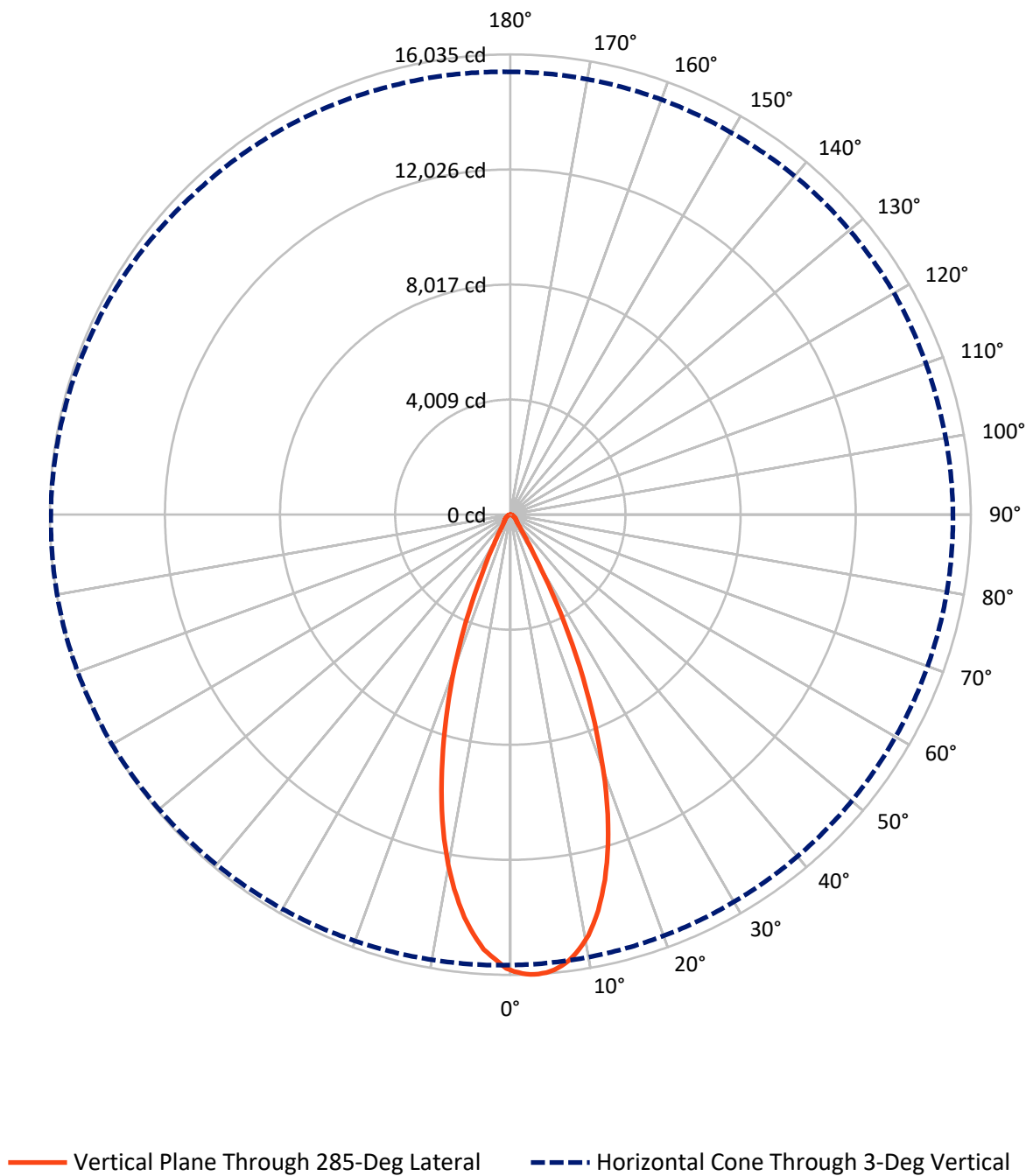
Based on 10 foot mounting height. Maximum calculated value = 159.2 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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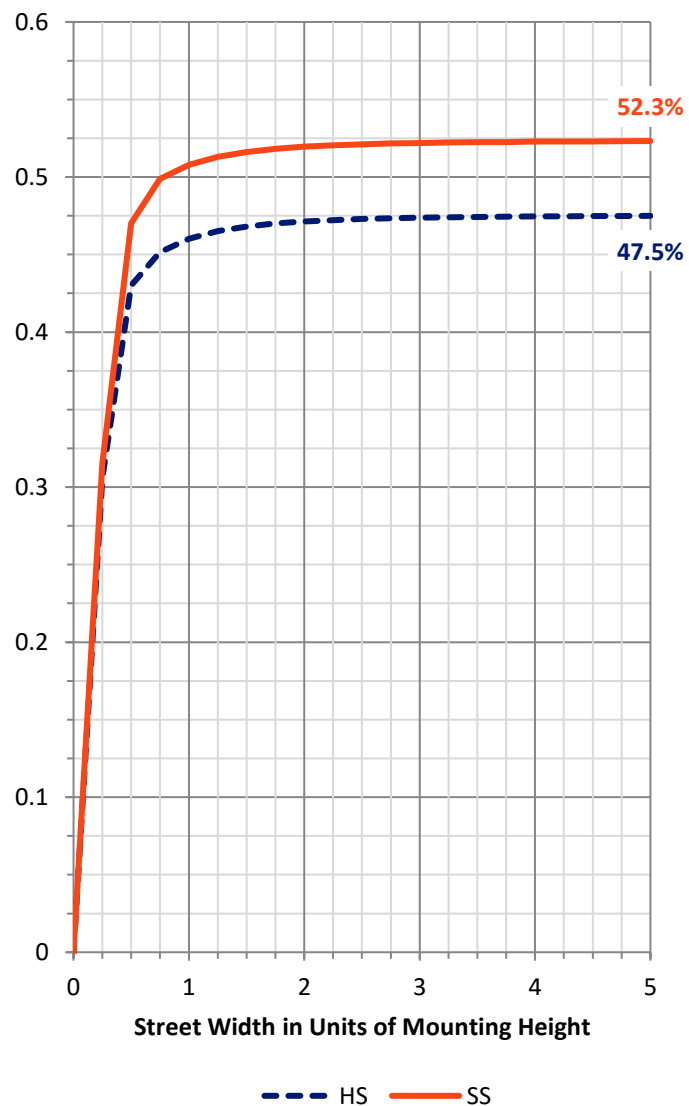
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3644.4	0.0	3644.4
	% Fixture	48.2	0.0	48.2
Street Side	Lumens	3923.1	0.0	3923.1
	% Fixture	51.8	0.0	51.8
Total	Lumens	7567.5	0.0	7567.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1409.3	18.6
10°-20°	3133.7	41.4
20°-30°	2006.9	26.5
30°-40°	447.2	5.9
40°-50°	232.8	3.1
50°-60°	169.3	2.2
60°-70°	109.0	1.4
70°-80°	52.1	0.7
80°-90°	7.2	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°	7567.5	100.0
0°-180°	7567.5	100.0

Coefficient of Utilization



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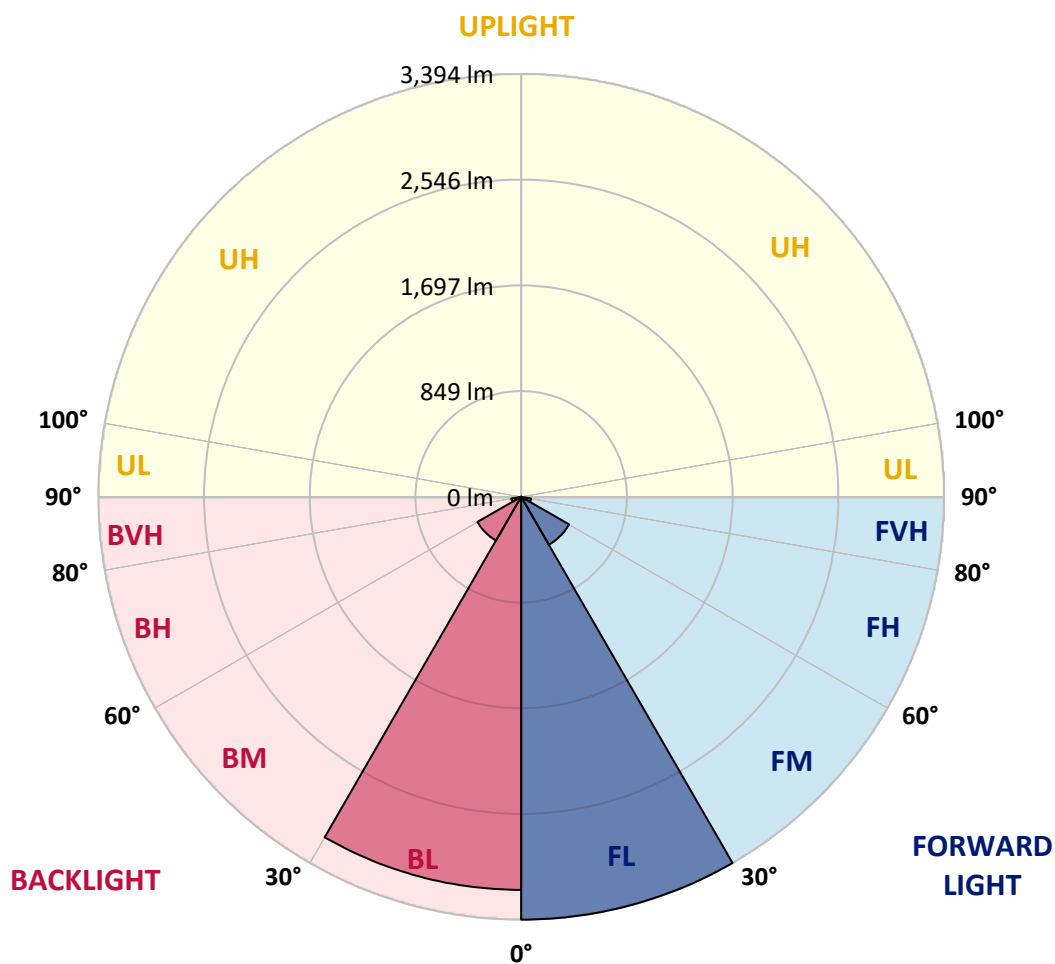
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3394.3	44.9			
FM	(30°-60°)	444.5	5.9			
FH	(60°-80°)	80.9	1.1			G0/660
FVH	(80°-90°)	3.4	0.0			G0/10
BL	(0°-30°)	3155.6	41.7	B4/5000		
BM	(30°-60°)	404.7	5.3	B1/1000		
BH	(60°-80°)	80.3	1.1	B0/110		G0/110
BVH	(80°-90°)	3.8	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



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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	15916.3	15916.3	15916.3	15916.3	15916.3	15916.3	15916.3	15916.3	15916.3	15916.3	15916.3
1°	15922.1	15903.2	15872.7	15846.3	15823.3	15799.4	15811.8	15806.8	15799.4	15797.8	15797.8
2°	15846.3	15801.1	15749.2	15717.9	15679.2	15654.5	15613.3	15596.0	15616.6	15608.3	15584.5
3°	15694.8	15635.5	15575.4	15535.1	15488.1	15451.1	15414.0	15385.2	15431.3	15417.3	15371.2
4°	15491.4	15425.5	15355.5	15300.3	15252.6	15202.3	15213.9	15171.1	15148.8	15147.2	15157.1
5°	15256.7	15176.0	15100.2	15034.3	14964.3	14895.2	14907.5	14855.6	14839.2	14846.6	14871.3
6°	15007.2	14919.9	14830.9	14732.1	14638.2	14552.6	14546.8	14500.7	14498.2	14522.1	14586.3
7°	14767.5	14667.1	14543.5	14406.0	14279.2	14174.6	14153.2	14115.3	14109.5	14179.5	14289.9
8°	14541.9	14423.3	14255.3	14062.6	13888.8	13741.4	13715.1	13666.5	13690.3	13808.1	13976.9
9°	14314.6	14180.3	13958.0	13697.8	13457.3	13276.1	13224.2	13192.1	13240.7	13402.1	13645.1
10°	14093.1	13909.4	13645.1	13313.2	13004.3	12782.8	12699.6	12677.4	12765.5	12981.3	13278.6
11°	13833.6	13613.8	13295.9	12905.5	12534.9	12240.9	12142.9	12132.2	12252.5	12512.7	12869.3
12°	13504.2	13271.2	12924.5	12469.9	12044.1	11685.9	11536.8	11534.4	11704.8	12008.7	12406.5
13°	13125.4	12866.0	12483.9	11993.1	11511.3	11092.9	10907.6	10906.8	11117.6	11467.6	11898.4
14°	12688.9	12406.5	11979.1	11471.8	10955.4	10467.9	10234.0	10250.5	10494.2	10881.3	11331.8
15°	12216.2	11896.7	11421.5	10910.1	10337.8	9809.1	9545.5	9560.4	9837.1	10247.2	10710.0
16°	11709.8	11343.3	10812.1	10303.2	9683.1	9119.8	8834.0	8857.1	9143.6	9584.2	10039.6
17°	11190.1	10768.5	10193.6	9646.8	9009.4	8414.8	8130.0	8148.7	8433.8	8884.2	9353.6
18°	10680.4	10177.2	9545.5	8972.4	8314.4	7732.7	7432.9	7441.7	7712.2	8159.0	8642.1
19°	10129.4	9566.1	8875.2	8264.1	7591.4	7041.8	6741.7	6738.5	6983.8	7395.1	7893.8
20°	9542.2	8920.5	8185.1	7507.6	6898.2	6350.7	6063.7	6052.5	6276.2	6627.4	7119.3
21°	8885.1	8211.4	7440.3	6797.2	6205.2	5659.6	5380.9	5364.5	5562.1	5854.3	6296.2
22°	8137.0	7601.1	6694.0	6087.9	5497.0	4970.5	4706.2	4688.3	4856.4	5088.2	5481.4
23°	7299.4	6738.4	5947.6	5355.2	4801.1	4295.1	4044.1	4022.6	4170.8	4350.8	4688.4
24°	6460.3	5869.0	5192.1	4643.0	4122.8	3645.4	3408.7	3381.2	3505.8	3650.1	3942.6
25°	5621.2	5050.6	4455.5	3950.6	3475.6	3052.2	2840.8	2801.1	2893.7	3012.6	3261.1
26°	4772.2	4269.1	3753.3	3303.6	2882.9	2525.5	2348.3	2294.8	2356.7	2452.1	2649.1
27°	3913.6	3519.3	3103.1	2726.2	2372.9	2078.8	2008.2	1957.4	2000.9	2076.1	2142.6
28°	3124.6	2833.2	2520.8	2224.1	1935.4	1705.3	1668.1	1620.0	1645.2	1700.1	1813.1
29°	2477.3	2263.6	2046.5	1812.5	1589.0	1406.8	1328.6	1283.9	1292.9	1327.9	1483.6
30°	1940.8	1800.2	1650.9	1477.5	1307.4	1162.7	1108.1	1067.3	1069.9	1096.1	1155.8
31°	1530.3	1441.7	1340.0	1214.2	1083.8	971.7	932.9	898.0	899.0	921.4	961.1
32°	1215.7	1160.3	1102.1	1009.2	910.3	826.2	797.3	764.4	767.4	787.5	813.8
33°	992.2	955.1	917.7	850.2	773.1	734.1	692.3	662.4	665.1	682.2	702.3
34°	823.3	800.2	779.4	754.0	687.9	643.1	612.6	582.7	583.8	601.8	618.0
35°	726.3	710.1	698.1	658.0	603.4	552.1	549.4	520.3	520.0	537.5	553.7
36°	630.4	621.1	617.1	562.0	518.9	497.7	500.0	471.2	470.0	487.6	504.6
37°	534.6	532.1	536.1	503.2	467.5	454.2	460.3	431.6	428.7	446.3	465.4
38°	479.4	479.0	488.1	456.9	426.4	418.5	427.2	398.7	395.6	413.2	434.3
39°	435.7	436.2	450.2	418.4	392.7	388.7	400.6	372.2	368.2	386.1	409.4
40°	399.9	401.6	419.5	386.4	365.1	364.2	378.2	350.0	345.5	363.9	388.6
41°	370.9	373.2	394.1	361.2	342.2	343.6	359.6	331.3	326.5	345.4	371.4
42°	345.8	349.6	372.7	340.1	323.0	326.4	344.0	315.2	310.1	329.7	356.0
43°	324.7	329.6	354.2	322.1	305.8	311.1	330.5	301.6	296.1	316.4	342.5
44°	306.0	312.5	337.6	306.5	290.7	297.5	318.3	289.6	283.3	304.9	330.6

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CATALOG NUMBER: XSF60-KNYK-4Hx4V-840-Position 2

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	289.7	297.0	323.0	292.7	277.1	285.2	307.3	278.7	271.7	293.9	318.7
46°	274.8	283.2	309.6	280.8	265.2	274.1	296.7	268.1	261.1	283.2	306.0
47°	261.9	270.6	297.4	270.4	254.2	263.7	285.0	257.8	251.0	272.0	292.0
48°	250.0	258.9	286.0	260.4	244.1	253.0	273.2	247.7	241.5	261.0	277.9
49°	238.4	247.1	273.8	250.5	234.3	242.8	261.6	237.9	232.4	249.8	263.5
50°	227.5	235.7	261.0	240.6	225.0	232.7	249.5	228.1	223.3	238.6	249.3
51°	217.4	224.1	247.4	230.1	215.9	222.3	237.2	218.4	214.7	227.8	235.6
52°	208.0	212.9	233.7	219.8	207.0	211.7	225.1	209.0	205.9	216.9	222.4
53°	199.3	202.4	220.3	209.4	198.2	201.6	213.8	199.5	197.2	206.3	209.6
54°	190.8	191.9	207.3	199.1	189.6	191.7	202.4	190.8	188.8	195.8	197.4
55°	182.4	181.9	194.7	189.0	181.2	182.3	192.0	182.2	180.6	185.9	186.9
56°	174.2	172.3	182.6	179.0	173.1	173.8	183.0	173.6	172.4	176.0	176.7
57°	166.3	163.3	171.4	169.2	165.3	165.7	174.1	165.0	164.2	166.1	166.5
58°	158.0	154.6	161.6	159.6	157.6	157.9	165.2	157.1	156.8	156.4	157.4
59°	150.2	146.5	152.5	150.3	150.3	150.6	157.3	149.5	149.4	147.4	148.7
60°	142.3	138.6	143.5	141.0	142.6	143.5	149.6	142.2	142.1	138.9	140.4
61°	134.8	131.1	134.9	132.4	135.3	136.9	142.3	135.4	134.7	131.3	132.5
62°	127.7	124.1	127.2	124.9	128.5	130.4	136.4	129.2	127.8	124.6	126.1
63°	120.5	117.5	120.3	118.1	121.6	124.3	132.2	123.2	121.2	118.4	120.7
64°	113.7	111.6	114.7	111.9	115.1	118.3	128.0	117.3	114.7	112.4	115.7
65°	106.9	105.8	109.9	106.0	108.5	112.4	122.9	111.3	108.2	106.4	110.1
66°	100.2	100.2	105.2	100.0	101.9	106.5	117.3	105.2	101.5	100.6	103.4
67°	93.6	94.6	99.1	94.0	95.2	100.9	111.1	99.3	94.7	95.0	95.8
68°	87.1	88.8	91.6	88.1	88.2	94.6	104.3	93.1	87.5	89.2	87.8
69°	80.1	83.0	84.3	81.8	80.8	87.9	97.0	86.6	79.8	82.9	82.5
70°	73.5	76.5	77.9	75.2	73.8	81.4	91.4	80.0	72.1	76.5	88.2
71°	66.8	70.2	79.5	68.6	66.8	74.6	100.2	73.2	65.4	69.8	91.7
72°	60.1	64.0	81.2	62.1	59.9	67.8	91.7	66.5	59.3	63.1	84.7
73°	54.4	57.8	82.9	55.4	53.6	61.0	77.3	59.8	53.2	56.1	70.2
74°	48.9	51.4	68.8	49.2	47.7	54.5	65.0	53.4	47.4	49.5	59.8
75°	43.5	44.8	55.1	43.0	42.0	48.2	55.9	47.6	41.9	43.5	52.2
76°	38.3	39.0	45.6	37.3	36.7	42.0	49.2	42.3	36.6	37.6	45.3
77°	33.2	33.4	38.5	32.0	31.7	35.8	43.4	36.6	31.6	31.8	39.1
78°	28.1	27.7	32.5	26.9	26.9	30.0	38.0	30.7	26.8	26.4	33.1
79°	23.1	22.4	27.2	22.0	22.4	24.6	32.6	25.4	22.3	22.0	27.9
80°	18.5	17.6	21.8	17.6	18.2	19.9	27.2	21.0	18.4	17.5	22.8
81°	14.4	13.4	16.6	13.6	14.3	15.7	22.2	16.7	14.5	13.0	18.4
82°	10.6	9.8	12.2	9.9	10.8	12.0	17.9	12.4	10.7	9.9	13.9
83°	8.5	7.8	8.4	7.8	8.2	9.2	13.6	9.6	8.4	7.7	9.5
84°	6.3	5.9	5.6	5.6	6.5	7.0	9.3	7.9	6.7	6.2	6.8
85°	4.2	4.0	2.8	3.5	4.7	4.8	5.8	5.8	4.8	4.3	4.0
86°	0.9	0.9	0.9	1.6	2.1	2.7	3.0	3.2	2.5	2.3	1.9
87°	0.2	0.2	0.2	0.3	0.6	0.9	1.2	1.0	0.8	0.9	0.8
88°	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.4	0.4	0.4	0.4
89°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2

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CATALOG NUMBER: XSF60-KNYK-4Hx4V-840-Position 2

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: P1440272

CATALOG NUMBER: XSF60-KNYK-4Hx4V-840-Position 2

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: P1440272
CATALOG NUMBER: XSF60-KNYK-4Hx4V-840-Position 2

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: P1440272

CATALOG NUMBER: XSF60-KNYK-4Hx4V-840-Position 2

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	15916.3	15916.3	15916.3	15916.3	15916.3	15916.3	15916.3	15916.3	15916.3	15916.3	15916.3
1°	15820.0	15831.5	15859.5	15883.4	15910.6	15932.8	15952.6	15976.5	15992.1	15997.9	15992.1
2°	15607.5	15629.8	15677.5	15780.5	15846.3	15912.2	15965.8	16011.9	16033.3	16031.6	15998.7
3°	15395.1	15428.0	15495.5	15604.2	15694.8	15837.3	15940.2	16004.5	16034.9	16016.0	15942.7
4°	15181.8	15226.2	15312.7	15427.2	15544.1	15707.2	15877.6	15966.6	16002.0	15956.7	15842.2
5°	14919.9	14971.8	15060.7	15198.2	15392.6	15577.1	15788.7	15904.0	15935.3	15845.5	15691.5
6°	14652.2	14723.9	14816.1	14957.8	15175.2	15445.3	15622.3	15796.1	15818.3	15709.6	15512.8
7°	14393.6	14484.2	14591.3	14732.9	14953.6	15226.2	15455.2	15634.7	15662.7	15528.5	15307.8
8°	14133.4	14254.5	14373.1	14513.9	14718.9	14998.9	15288.0	15435.4	15458.5	15316.0	15081.3
9°	13858.3	14005.8	14142.5	14292.3	14485.1	14738.7	15025.3	15185.1	15202.3	15059.1	14840.8
10°	13544.6	13724.1	13888.8	14061.8	14230.6	14448.8	14712.3	14873.8	14910.8	14766.7	14588.0
11°	13177.3	13382.3	13587.4	13799.9	13962.9	14122.7	14352.5	14501.5	14537.8	14432.3	14318.7
12°	12755.6	12979.6	13216.8	13484.5	13658.2	13757.9	13938.2	14068.3	14123.5	14065.1	14036.2
13°	12272.2	12505.3	12783.6	13115.5	13314.8	13354.3	13477.1	13585.8	13656.6	13647.5	13704.3
14°	11733.6	11979.1	12288.7	12688.9	12910.5	12915.4	12984.6	13058.7	13144.3	13191.3	13340.3
15°	11153.9	11450.4	11763.3	12194.0	12446.8	12433.6	12445.2	12477.3	12579.4	12705.4	12922.0
16°	10550.2	10906.0	11225.5	11638.9	11905.8	11881.9	11862.9	11845.6	11974.9	12172.6	12450.1
17°	9943.3	10372.4	10686.1	11050.1	11308.7	11295.5	11232.1	11165.4	11328.5	11596.1	11900.0
18°	9292.7	9809.1	10138.5	10418.5	10632.6	10640.0	10547.8	10431.6	10607.9	10953.8	11270.8
19°	8583.6	9188.9	9536.5	9759.6	9904.6	9935.1	9786.8	9658.4	9859.3	10265.3	10586.5
20°	7821.3	8476.6	8867.8	9034.9	9113.2	9165.1	9017.6	8853.8	9062.1	9506.8	9818.9
21°	6989.9	7689.0	8088.3	8246.0	8281.4	8360.5	8187.6	8043.1	8256.7	8704.7	9016.0
22°	6134.1	6817.7	7240.0	7381.5	7418.3	7522.7	7374.4	7228.0	7445.0	7881.7	8177.8
23°	5272.0	5918.2	6331.3	6476.2	6529.0	6663.6	6531.9	6412.7	6633.1	7039.6	7304.4
24°	4442.2	5006.7	5410.6	5566.0	5643.6	5816.8	5709.0	5597.6	5821.1	6197.1	6430.6
25°	3654.2	4122.8	4499.7	4683.3	4792.1	4971.6	4896.3	4789.6	5021.5	5354.7	5556.8
26°	2948.9	3312.7	3654.0	3861.0	3994.0	4160.3	4089.6	4008.4	4233.7	4554.0	4724.1
27°	2352.2	2614.0	2909.3	3141.8	3266.6	3397.2	3341.9	3267.2	3476.8	3771.5	3938.7
28°	1965.9	2172.0	2279.9	2497.7	2628.0	2708.3	2661.2	2612.0	2789.0	3050.4	3212.3
29°	1579.7	1730.0	1900.7	2090.3	2093.2	2136.8	2099.2	2065.6	2202.0	2419.2	2574.3
30°	1196.6	1289.4	1521.4	1682.8	1719.9	1739.0	1715.5	1637.1	1728.2	1893.0	2024.2
31°	980.1	1047.1	1148.2	1280.0	1347.0	1343.3	1332.1	1313.3	1373.5	1488.1	1598.0
32°	817.4	865.2	939.9	1044.6	1093.9	1084.8	1076.8	1070.7	1109.2	1184.1	1267.4
33°	697.8	730.5	788.8	871.4	906.0	890.0	888.5	891.4	915.3	961.2	1022.7
34°	608.1	629.8	673.3	742.8	762.7	747.4	749.6	753.8	771.2	798.5	841.6
35°	537.9	552.1	587.2	646.1	655.5	639.7	645.2	667.6	686.5	705.9	740.6
36°	484.8	492.9	521.7	574.6	573.5	559.3	566.4	582.2	602.5	614.3	640.6
37°	441.6	446.7	469.7	519.1	511.1	498.1	506.3	524.2	518.6	522.7	540.5
38°	407.1	409.6	429.1	476.9	462.4	449.5	458.0	480.1	470.3	470.5	484.3
39°	378.9	379.7	396.9	443.6	423.8	412.1	419.5	443.8	430.9	428.1	440.3
40°	356.0	354.7	370.6	416.7	392.7	380.4	387.9	414.1	398.5	393.4	404.6
41°	336.8	333.7	348.7	394.4	367.1	354.7	361.9	389.5	372.1	364.4	376.0
42°	320.5	315.6	330.6	375.0	346.4	332.6	339.6	369.2	349.1	339.8	352.0
43°	306.5	300.1	315.1	358.1	328.9	314.1	320.6	352.2	329.5	319.0	332.1
44°	294.1	286.3	301.6	343.1	313.6	297.7	304.4	337.3	312.8	301.0	315.1

REPORT NUMBER: P1440272

CATALOG NUMBER: XSF60-KNYK-4Hx4V-840-Position 2

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	282.8	274.2	290.0	329.8	300.2	283.1	290.0	324.5	298.3	285.5	300.5
46°	272.0	262.8	279.5	317.4	288.4	270.0	277.5	312.8	285.2	271.3	287.4
47°	260.9	251.9	268.9	305.3	277.5	258.1	266.2	302.0	273.6	258.6	275.9
48°	249.6	242.0	258.3	292.4	267.0	247.1	256.3	291.9	263.1	247.4	265.4
49°	238.5	232.4	247.6	278.0	256.2	237.2	247.5	281.8	253.8	237.6	255.8
50°	227.5	223.0	236.9	263.7	244.9	227.7	238.2	270.8	245.1	228.1	246.7
51°	216.6	214.2	226.5	249.1	233.7	218.3	228.9	258.5	235.4	219.1	237.2
52°	205.9	205.1	216.2	235.0	222.6	209.1	219.1	246.0	225.3	210.2	227.4
53°	195.5	196.6	205.4	221.3	211.3	200.4	209.6	232.7	215.3	201.6	217.4
54°	185.9	188.5	195.2	207.8	200.0	191.7	200.0	219.5	205.3	193.2	207.0
55°	176.7	180.3	185.3	194.8	188.9	183.1	190.8	206.2	194.8	184.7	196.3
56°	167.4	172.1	175.4	183.8	179.0	174.6	181.5	193.8	184.8	176.3	185.1
57°	159.3	163.8	165.5	172.7	169.0	166.1	172.2	182.1	174.8	168.0	174.6
58°	151.2	156.3	156.2	161.7	159.1	158.1	163.0	172.1	165.8	159.9	164.7
59°	143.2	148.9	146.7	152.4	150.4	150.4	154.4	162.9	157.0	151.9	155.1
60°	135.5	141.6	137.6	143.2	141.5	142.8	145.9	154.5	148.5	144.3	145.6
61°	128.7	134.4	129.6	134.5	133.4	135.6	138.0	146.3	140.2	136.8	136.2
62°	122.7	127.4	122.9	127.3	125.9	128.6	130.8	138.6	132.6	129.6	127.5
63°	117.0	120.6	117.1	121.1	119.2	121.8	124.5	132.3	125.8	122.5	119.9
64°	111.5	113.9	111.5	116.4	113.0	115.2	118.9	128.0	119.7	115.8	113.4
65°	106.0	106.9	106.0	111.7	107.3	108.8	113.5	125.0	113.8	109.5	107.6
66°	100.1	100.2	100.5	106.4	101.6	102.3	108.0	121.5	108.2	103.1	102.0
67°	94.3	93.7	95.0	100.0	96.0	95.9	102.2	116.8	102.4	96.8	96.4
68°	88.2	86.8	89.1	92.4	90.5	89.3	96.4	111.4	96.9	90.3	90.9
69°	82.0	79.4	82.8	85.2	84.7	82.4	90.5	105.0	91.1	83.7	85.1
70°	75.7	72.3	76.6	81.4	78.5	75.2	84.4	98.0	85.0	76.3	79.1
71°	69.3	65.9	70.4	82.7	72.2	68.4	77.9	90.8	79.0	69.9	72.7
72°	62.8	60.1	64.0	86.5	65.7	62.2	71.3	90.2	72.3	63.5	66.2
73°	56.3	54.6	57.7	76.8	59.0	56.1	64.5	87.3	65.6	57.2	59.7
74°	50.0	49.1	51.2	62.6	52.5	50.2	57.8	74.3	58.9	51.3	53.2
75°	44.0	43.7	45.0	52.8	46.2	44.6	51.5	63.3	52.1	45.5	46.8
76°	38.3	38.4	39.3	45.1	40.1	39.2	45.3	52.4	46.0	40.0	40.8
77°	32.8	33.4	33.8	38.9	34.2	34.1	39.8	45.0	40.5	34.8	35.2
78°	27.6	28.5	28.4	33.3	28.6	29.2	34.3	38.8	34.4	29.8	29.8
79°	22.8	23.9	23.4	28.2	23.5	24.6	28.7	33.0	28.5	25.0	24.5
80°	18.9	20.0	19.4	23.3	19.3	20.5	23.4	27.7	23.1	20.6	19.8
81°	15.0	16.0	15.4	18.9	15.2	16.4	19.3	22.7	18.3	16.4	15.7
82°	11.1	12.1	11.4	14.6	11.1	12.3	15.2	18.1	14.2	12.6	11.7
83°	9.6	10.5	9.7	10.2	8.7	9.5	11.2	14.0	10.6	9.4	8.3
84°	9.3	10.2	9.5	7.7	8.0	8.3	9.3	10.1	8.9	7.5	6.5
85°	7.4	8.1	7.7	4.8	6.6	6.9	7.7	7.3	6.5	5.6	4.7
86°	3.8	4.1	4.4	2.4	4.0	4.6	5.1	4.5	4.1	3.7	2.7
87°	1.1	1.1	1.3	1.0	1.6	1.4	1.8	1.6	1.8	1.3	0.8
88°	0.4	0.5	0.5	0.4	0.5	0.5	0.7	0.6	0.5	0.3	0.2
89°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1

REPORT NUMBER: P1440272

CATALOG NUMBER: XSF60-KNYK-4Hx4V-840-Position 2

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: P1440272

CATALOG NUMBER: XSF60-KNYK-4Hx4V-840-Position 2

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: P1440272
CATALOG NUMBER: XSF60-KNYK-4Hx4V-840-Position 2

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: P1440272

CATALOG NUMBER: XSF60-KNYK-4Hx4V-840-Position 2

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	15916.3	15916.3	15916.3
1°	15973.2	15949.3	15922.1
2°	15952.6	15899.1	15846.3
3°	15863.6	15775.5	15694.8
4°	15712.1	15587.8	15491.4
5°	15524.3	15374.5	15256.7
6°	15302.8	15128.2	15007.2
7°	15074.7	14893.5	14767.5
8°	14853.2	14671.2	14541.9
9°	14624.2	14458.7	14314.6
10°	14406.8	14243.8	14093.1
11°	14181.2	14010.7	13833.6
12°	13935.8	13730.7	13504.2
13°	13636.0	13388.1	13125.4
14°	13277.8	12983.8	12688.9
15°	12865.2	12538.2	12216.2
16°	12389.2	12058.1	11709.8
17°	11863.8	11542.6	11190.1
18°	11290.6	11010.6	10680.4
19°	10671.3	10472.8	10129.4
20°	9975.4	9895.5	9542.2
21°	9254.8	9259.8	8885.1
22°	8461.8	8539.2	8137.0
23°	7639.9	7738.7	7299.4
24°	6753.8	6851.7	6460.3
25°	5867.4	5964.2	5621.2
26°	4981.0	5076.7	4772.2
27°	4140.0	4194.3	3913.6
28°	3355.6	3349.1	3124.6
29°	2671.4	2629.7	2477.3
30°	2090.6	2044.5	1940.8
31°	1639.8	1593.4	1530.3
32°	1299.0	1261.4	1215.7
33°	1044.6	1017.5	992.2
34°	862.4	840.3	823.3
35°	762.4	740.7	726.3
36°	663.7	642.2	630.4
37°	565.0	543.6	534.6
38°	510.6	488.2	479.4
39°	470.3	444.1	435.7
40°	437.3	408.3	399.9
41°	411.8	379.5	370.9
42°	390.3	355.1	345.8
43°	372.1	334.5	324.7
44°	355.6	316.5	306.0

REPORT NUMBER: P1440272

CATALOG NUMBER: XSF60-KNYK-4Hx4V-840-Position 2

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	340.6	300.7	289.7
46°	326.5	286.4	274.8
47°	313.5	273.6	261.9
48°	301.3	262.6	250.0
49°	289.4	252.2	238.4
50°	277.3	242.2	227.5
51°	264.8	232.5	217.4
52°	250.8	222.3	208.0
53°	236.5	212.6	199.3
54°	221.7	202.7	190.8
55°	207.4	192.7	182.4
56°	193.1	182.7	174.2
57°	180.3	172.4	166.3
58°	168.4	162.3	158.0
59°	157.6	152.1	150.2
60°	148.4	142.5	142.3
61°	139.5	133.5	134.8
62°	130.9	125.2	127.7
63°	123.2	118.0	120.5
64°	116.9	111.8	113.7
65°	111.4	106.1	106.9
66°	107.0	100.7	100.2
67°	102.2	95.3	93.6
68°	95.3	89.5	87.1
69°	87.6	83.7	80.1
70°	80.6	77.5	73.5
71°	80.1	71.3	66.8
72°	79.7	65.0	60.1
73°	79.3	58.7	54.4
74°	72.1	52.7	48.9
75°	58.9	46.7	43.5
76°	48.5	40.4	38.3
77°	40.8	34.7	33.2
78°	34.5	29.2	28.1
79°	28.8	23.7	23.1
80°	23.3	18.8	18.5
81°	18.0	14.4	14.4
82°	13.4	10.5	10.6
83°	9.5	8.6	8.5
84°	6.8	6.7	6.3
85°	4.1	4.7	4.2
86°	1.4	1.3	0.9
87°	0.3	0.3	0.2
88°	0.1	0.1	0.1
89°	0.1	0.1	0.1

REPORT NUMBER: P1440272

CATALOG NUMBER: XSF60-KNYK-4Hx4V-840-Position 2

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: P1440272

CATALOG NUMBER: XSF60-KNYK-4Hx4V-840-Position 2

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: P1440272

CATALOG NUMBER: XSF60-KNYK-4Hx4V-840-Position 2

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)