

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: P1440286

Luminaire Tested: XSF60-KNYK-5Hx5V-840-Position 4

Issue Date: 04/15/2026

Test Information

Test Method: LM-79-2024
Report Number: P1440286
Test Lab: THIRD PARTY NVLAP
Issue Date: 7/15/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XSF60-KNYK-5Hx5V-840-Position 4
Description: LUMARK ALL SELECTABLE LUMINAIRE 60W w/ NEMA 5 FLOOD DISTRIBUTION 4000K CCT 80 CRI LIGHT ENGINE AT Position 4
Light Source: (1) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4142.7 lumens
Efficiency: N/A
Efficacy: 165.7 lumens/watt
Luminous Opening: Rectangular (W 0.3' x L: 0.3' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

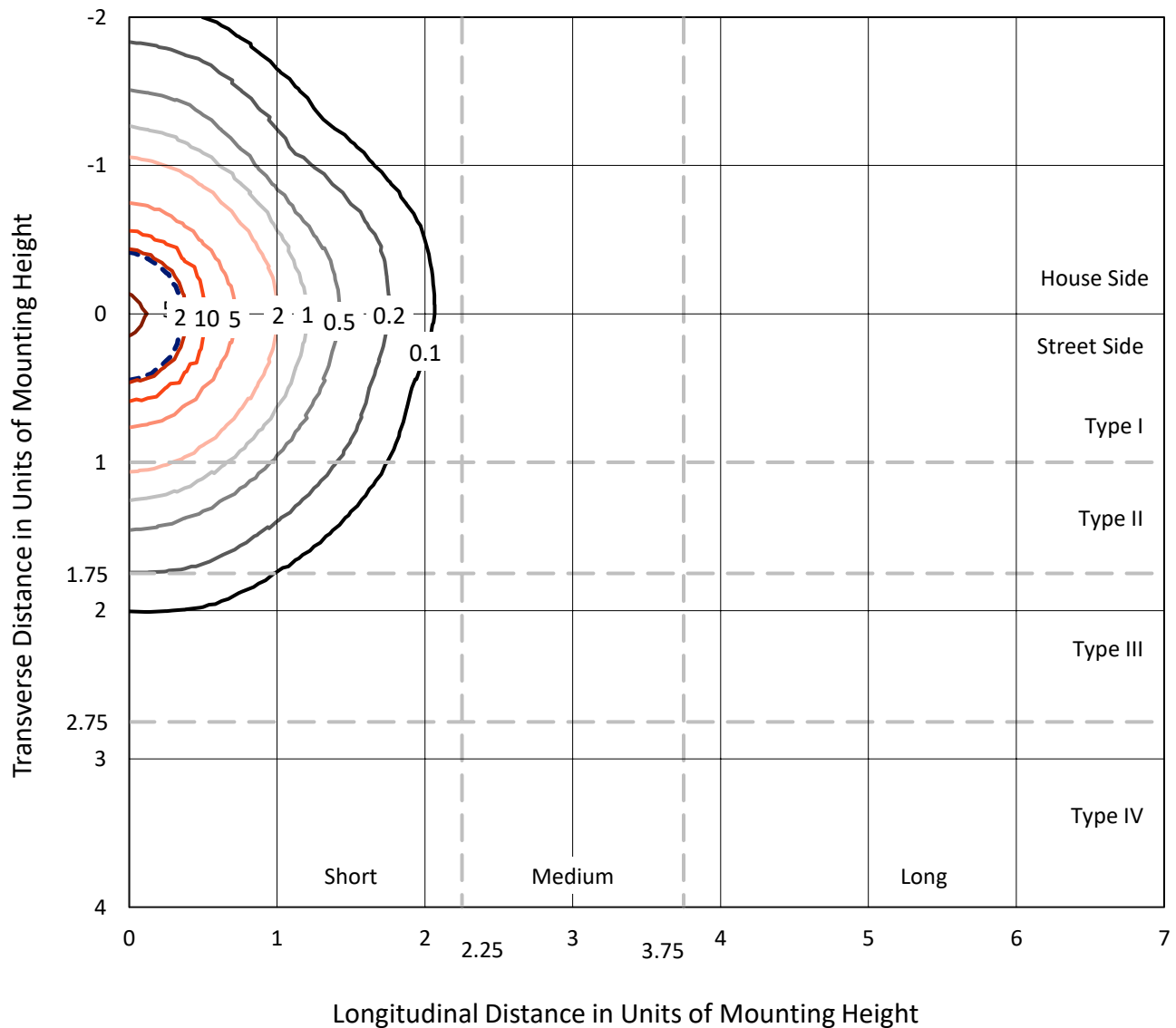
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

REPORT NUMBER: P1440286

CATALOG NUMBER: XSF60-KNYK-5Hx5V-840-Position 4

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

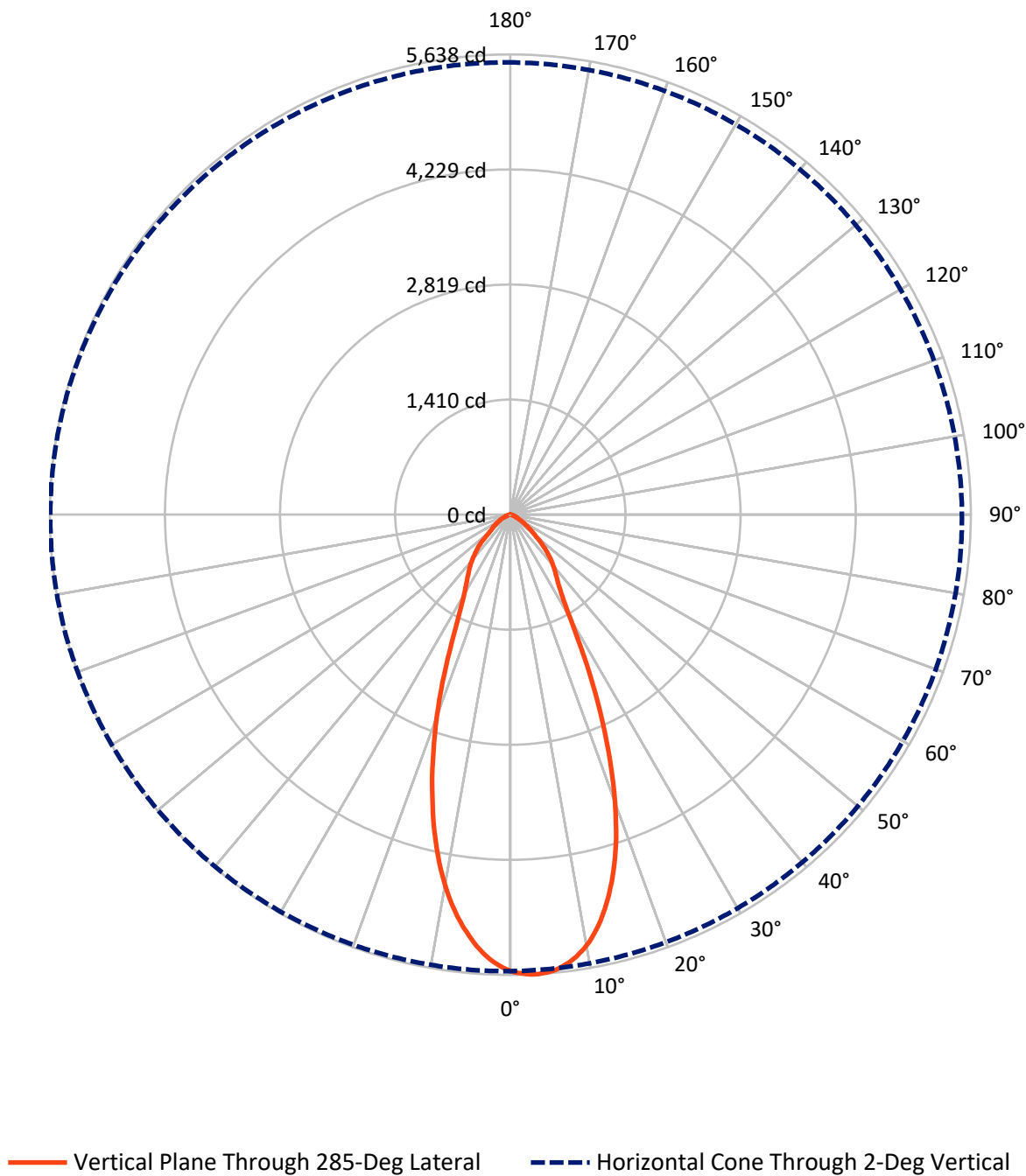


Based on 10 foot mounting height. Maximum calculated value = 56.1 fc
 Type V - Short - N/A

REPORT NUMBER: P1440286

CATALOG NUMBER: XSF60-KNYK-5Hx5V-840-Position 4

Luminous Intensity Polar Plot



REPORT NUMBER: P1440286

CATALOG NUMBER: XSF60-KNYK-5Hx5V-840-Position 4

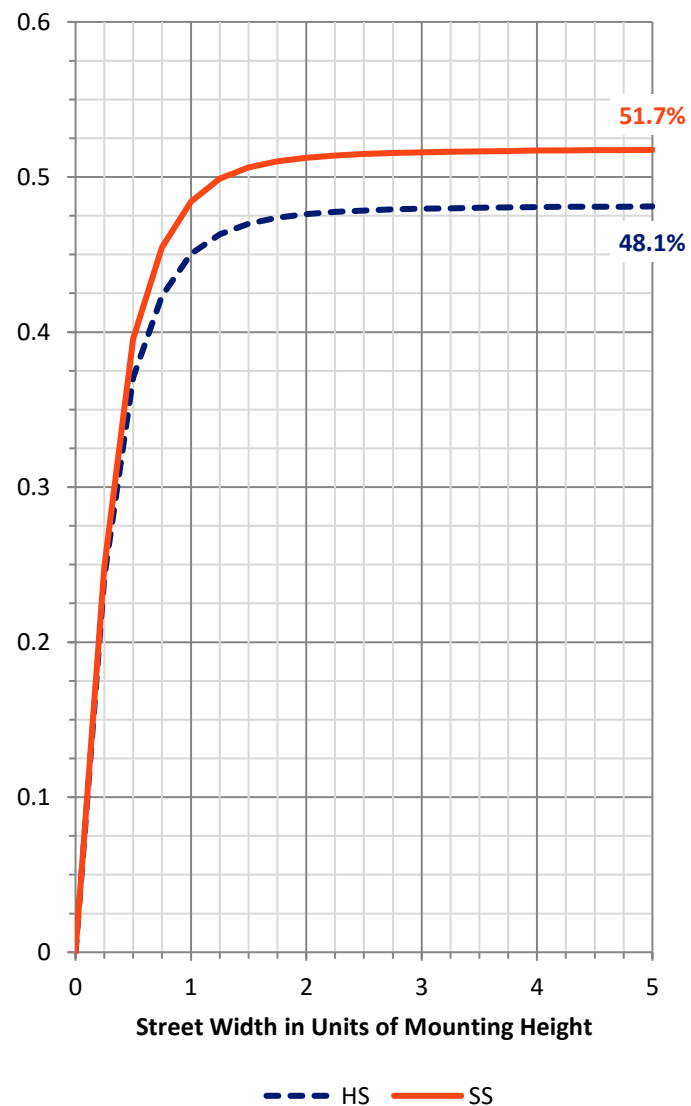
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2012.8	0.0	2012.8
	% Fixture	48.6	0.0	48.6
Street Side	Lumens	2129.9	0.0	2129.9
	% Fixture	51.4	0.0	51.4
Total	Lumens	4142.7	0.0	4142.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	504.2	12.2
10°-20°	1191.7	28.8
20°-30°	1011.5	24.4
30°-40°	618.6	14.9
40°-50°	451.1	10.9
50°-60°	224.0	5.4
60°-70°	100.8	2.4
70°-80°	36.2	0.9
80°-90°	4.6	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4142.7	100.0
0°-180°	4142.7	100.0

Coefficient of Utilization



REPORT NUMBER: P1440286

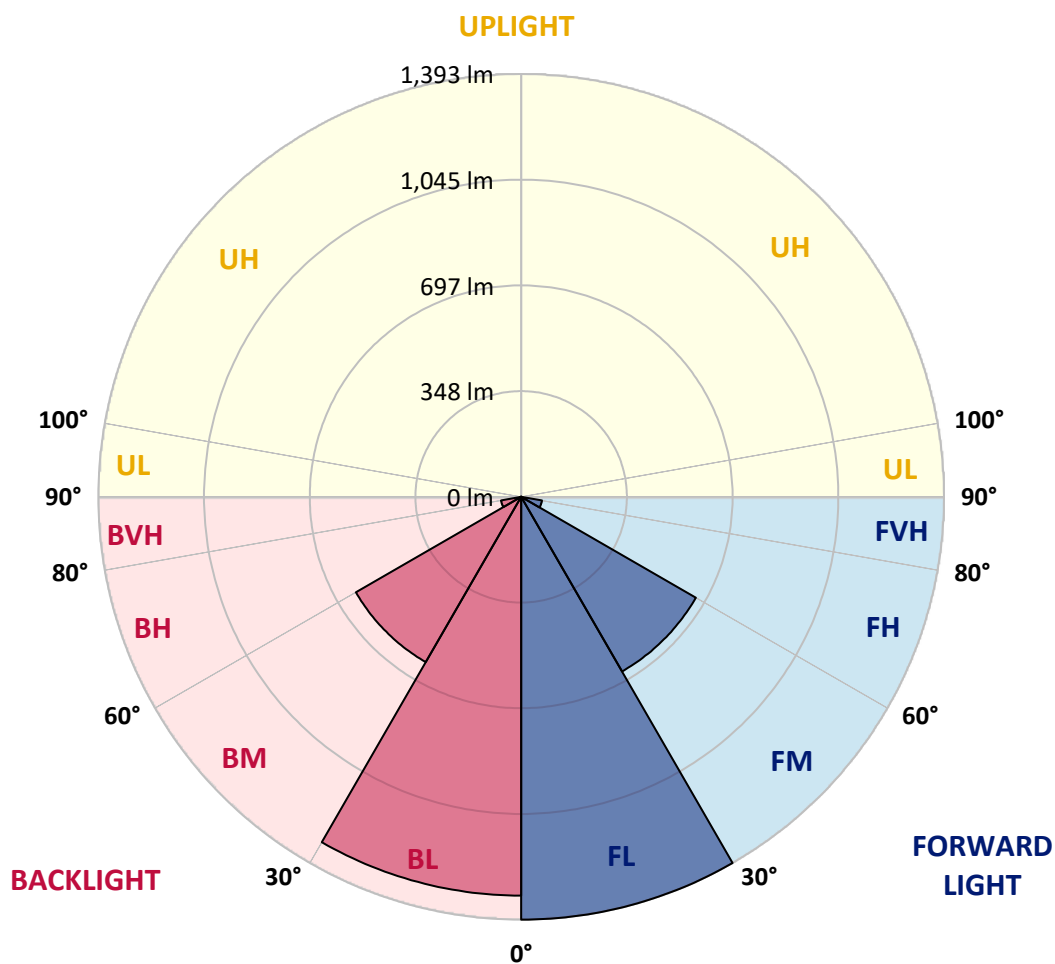
CATALOG NUMBER: XSF60-KNYK-5Hx5V-840-Position 4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1393.3	33.6			
FM	(30°-60°)	664.8	16.0			
FH	(60°-80°)	69.6	1.7			G0/660
FVH	(80°-90°)	2.2	0.1			G0/10
BL	(0°-30°)	1314.0	31.7	B3/2500		
BM	(30°-60°)	628.9	15.2	B1/1000		
BH	(60°-80°)	67.5	1.6	B0/110		G0/660
BVH	(80°-90°)	2.4	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type V Short



REPORT NUMBER: P1440286

CATALOG NUMBER: XSF60-KNYK-5Hx5V-840-Position 4

CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	5607.2	5607.2	5607.2	5607.2	5607.2	5607.2	5607.2	5607.2	5607.2	5607.2	5607.2
1°	5613.0	5604.6	5597.1	5590.9	5584.8	5579.9	5574.6	5568.9	5568.4	5569.8	5573.3
2°	5592.2	5576.8	5566.2	5557.9	5549.5	5538.9	5530.1	5521.3	5518.2	5519.5	5520.0
3°	5553.5	5535.0	5519.1	5506.8	5494.4	5482.1	5468.9	5460.0	5454.3	5453.9	5456.5
4°	5499.3	5473.7	5454.8	5442.4	5426.6	5413.8	5395.7	5384.7	5379.9	5380.3	5383.8
5°	5434.1	5409.4	5386.0	5365.7	5346.8	5331.8	5310.7	5297.0	5292.2	5296.6	5305.4
6°	5364.0	5336.2	5309.8	5282.5	5255.1	5234.0	5209.8	5193.9	5192.6	5204.5	5224.3
7°	5294.8	5263.1	5229.1	5190.8	5152.5	5125.2	5101.4	5085.1	5085.5	5104.9	5137.9
8°	5233.1	5193.5	5147.2	5094.3	5042.8	5006.6	4975.8	4963.0	4970.9	5001.3	5051.1
9°	5169.7	5123.4	5062.1	4990.8	4922.9	4875.8	4839.2	4829.0	4842.7	4887.2	4956.4
10°	5102.2	5047.2	4970.5	4882.4	4797.8	4737.4	4689.4	4682.7	4706.1	4765.6	4848.9
11°	5023.8	4963.0	4870.5	4766.5	4662.9	4584.5	4531.2	4524.6	4560.2	4632.1	4732.5
12°	4930.0	4860.3	4762.5	4639.1	4522.4	4426.3	4359.0	4356.6	4401.4	4488.4	4598.1
13°	4818.5	4744.0	4635.6	4500.3	4368.3	4253.1	4174.5	4174.9	4232.2	4330.5	4447.9
14°	4692.0	4606.5	4488.9	4350.1	4200.4	4070.2	3981.6	3983.4	4052.4	4158.9	4281.8
15°	4552.3	4460.7	4322.2	4183.9	4025.7	3878.3	3777.9	3784.4	3858.4	3974.1	4098.9
16°	4406.5	4294.8	4148.3	4005.6	3835.4	3677.9	3570.6	3574.9	3654.6	3780.0	3903.4
17°	4252.3	4122.7	3964.0	3813.7	3633.6	3468.0	3360.6	3366.1	3445.3	3570.7	3698.7
18°	4091.8	3947.4	3773.4	3611.8	3425.9	3258.7	3152.3	3151.5	3230.1	3355.3	3486.3
19°	3925.4	3765.0	3573.6	3397.7	3211.7	3045.4	2944.2	2942.2	3012.8	3126.7	3264.4
20°	3749.6	3570.5	3365.3	3180.6	2997.8	2837.5	2737.4	2733.8	2794.9	2893.6	3030.3
21°	3553.9	3358.1	3144.2	2960.6	2780.1	2628.6	2529.3	2523.6	2575.2	2658.6	2785.4
22°	3335.6	3138.7	2918.8	2737.5	2565.6	2418.3	2325.3	2316.3	2362.7	2426.7	2540.3
23°	3097.9	2900.2	2687.6	2510.8	2348.5	2210.7	2123.7	2110.4	2147.8	2200.3	2298.5
24°	2845.8	2656.4	2457.3	2288.5	2137.9	2011.7	1931.1	1916.3	1942.0	1981.3	2071.6
25°	2592.8	2419.9	2234.8	2076.8	1936.9	1827.1	1758.7	1736.2	1750.3	1780.3	1861.4
26°	2337.1	2184.4	2018.1	1873.4	1750.3	1661.1	1605.4	1580.4	1578.7	1602.0	1670.5
27°	2090.1	1963.0	1817.4	1687.2	1586.3	1519.9	1475.8	1448.9	1435.2	1447.0	1509.2
28°	1859.4	1757.6	1637.0	1524.6	1442.5	1397.8	1366.0	1336.8	1315.4	1320.0	1371.3
29°	1662.3	1582.4	1482.3	1386.6	1324.0	1294.8	1273.8	1244.6	1216.5	1214.6	1260.2
30°	1499.6	1434.2	1352.9	1270.4	1222.4	1209.0	1197.2	1167.1	1136.8	1129.2	1168.7
31°	1371.6	1318.8	1245.2	1173.2	1138.1	1137.7	1132.5	1103.8	1070.1	1058.9	1096.3
32°	1271.8	1225.6	1156.2	1094.7	1068.8	1077.6	1078.6	1048.3	1014.7	1000.7	1036.0
33°	1195.3	1152.6	1084.4	1027.8	1010.1	1026.2	1031.1	1000.7	967.2	950.0	984.8
34°	1134.6	1094.7	1025.3	971.0	958.1	981.1	990.1	958.7	924.5	907.0	942.0
35°	1085.6	1046.2	975.6	921.1	912.1	939.2	951.0	919.3	884.9	866.9	903.5
36°	1044.9	1004.9	932.7	875.9	871.1	901.3	913.9	882.7	848.3	830.6	867.6
37°	1009.8	967.6	894.3	836.4	833.6	864.9	878.3	849.0	811.7	794.2	834.0
38°	977.2	931.8	859.1	800.4	798.6	829.3	844.5	815.2	775.1	757.8	800.3
39°	944.0	896.2	824.9	765.4	763.5	793.3	810.7	781.4	738.2	720.2	766.7
40°	908.4	860.5	789.1	729.4	728.5	755.4	776.9	745.0	702.4	683.6	730.4
41°	871.3	823.8	751.2	693.2	692.5	717.0	738.2	709.4	664.6	647.5	693.2
42°	831.3	784.8	712.1	656.7	655.6	676.0	697.5	670.8	626.5	611.0	655.6
43°	789.2	743.6	673.8	619.0	618.4	633.7	657.4	634.0	587.7	573.5	618.0
44°	745.0	700.7	634.4	582.5	581.0	592.8	617.6	597.2	548.8	536.7	582.8

REPORT NUMBER: P1440286

CATALOG NUMBER: XSF60-KNYK-5Hx5V-840-Position 4

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	697.1	657.3	595.4	546.2	545.7	554.6	579.7	561.6	512.2	501.8	548.4
46°	648.4	614.8	556.5	511.0	510.9	516.9	538.7	522.5	475.0	471.6	516.2
47°	601.2	572.6	518.6	476.3	472.1	475.7	495.0	476.2	428.9	437.6	480.7
48°	557.1	532.1	478.5	437.2	431.6	437.2	453.8	429.6	382.6	396.0	437.0
49°	510.3	487.1	431.4	395.1	395.1	399.1	415.2	384.4	341.6	354.6	388.6
50°	467.2	440.2	391.7	353.8	358.7	366.8	381.4	345.1	298.7	302.6	345.5
51°	433.4	389.5	352.3	312.5	322.2	334.6	354.1	317.3	265.7	261.5	303.8
52°	391.5	354.4	312.9	284.1	294.4	309.0	329.8	296.5	242.4	228.1	274.3
53°	353.6	319.3	281.9	262.6	267.9	281.5	307.5	279.5	222.1	201.7	255.9
54°	315.8	295.4	260.2	248.2	243.5	254.0	282.4	265.9	205.0	176.3	235.9
55°	289.6	264.7	237.5	232.1	224.5	230.6	260.1	249.4	189.3	154.3	213.6
56°	259.7	238.6	218.4	213.1	211.5	212.8	241.1	233.7	174.5	136.8	190.8
57°	231.0	217.9	199.6	196.5	199.7	196.3	221.8	217.0	162.8	125.0	171.6
58°	203.2	197.9	182.8	180.9	183.5	177.5	202.9	204.8	151.2	116.4	154.7
59°	183.8	182.6	168.4	165.4	170.8	161.7	186.1	187.0	137.0	108.6	140.7
60°	164.4	171.9	155.2	151.2	157.1	142.1	171.9	169.2	125.9	101.6	128.8
61°	147.0	156.9	140.9	138.8	142.5	126.2	156.7	157.2	119.0	95.8	117.7
62°	131.4	140.5	127.8	127.1	129.6	116.9	143.2	146.0	110.2	90.0	108.3
63°	118.3	126.0	116.7	116.6	118.7	108.9	132.8	134.7	101.7	84.2	100.2
64°	106.0	115.4	107.2	107.4	109.1	99.7	121.9	121.7	93.8	79.1	92.7
65°	95.5	104.4	99.1	99.0	99.8	91.3	111.1	110.1	85.8	74.4	85.2
66°	86.7	94.5	91.0	91.0	91.0	83.9	100.9	99.6	78.8	69.5	78.3
67°	78.7	85.7	83.2	83.3	82.6	77.3	90.7	89.2	71.9	64.7	71.3
68°	71.2	77.1	75.4	75.5	74.4	70.9	80.5	78.8	65.2	60.2	64.5
69°	64.2	69.1	67.4	67.7	66.7	64.4	71.7	70.3	59.2	55.5	58.8
70°	57.5	61.5	60.2	60.4	59.5	58.3	64.7	63.1	53.7	51.0	56.6
71°	51.5	54.7	54.8	53.6	53.0	52.7	62.2	56.6	48.7	46.5	53.8
72°	45.7	48.6	53.7	47.6	47.0	47.4	55.5	50.5	44.0	42.1	48.4
73°	40.4	42.8	48.1	42.1	41.5	42.2	47.9	44.7	39.3	37.5	41.4
74°	35.7	37.6	40.8	37.2	36.8	37.5	41.0	39.3	34.8	33.2	35.8
75°	31.0	32.4	34.9	32.3	32.0	32.8	35.3	34.1	30.6	29.2	30.9
76°	26.3	27.2	29.2	27.5	27.3	28.1	30.6	29.5	26.6	25.3	26.4
77°	22.4	22.7	23.4	23.1	23.2	23.9	26.3	25.1	22.8	21.6	22.5
78°	18.5	18.4	19.5	19.2	19.6	20.2	22.7	21.2	19.3	17.9	18.9
79°	14.6	14.7	16.1	15.7	16.2	16.7	19.1	17.5	16.1	14.7	15.8
80°	11.3	11.4	12.8	12.7	13.0	13.5	15.5	14.2	13.1	11.9	12.9
81°	8.6	8.7	9.7	10.1	10.5	11.0	12.6	11.8	10.7	9.7	10.5
82°	6.4	6.6	7.4	7.6	8.1	8.6	10.2	9.3	8.3	7.5	8.0
83°	4.6	4.6	5.0	5.3	5.8	6.4	7.8	6.8	5.9	5.3	5.5
84°	3.2	3.2	3.6	3.8	4.3	4.7	5.4	5.0	4.4	3.9	3.8
85°	1.9	1.9	2.1	2.4	2.8	3.2	3.4	3.4	2.9	2.5	2.3
86°	0.5	0.5	0.6	0.9	1.3	1.9	1.8	1.8	1.6	1.3	1.2
87°	0.1	0.1	0.2	0.2	0.4	0.6	0.7	0.7	0.6	0.5	0.5
88°	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2
89°	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1

REPORT NUMBER: P1440286

CATALOG NUMBER: XSF60-KNYK-5Hx5V-840-Position 4

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: P1440286

CATALOG NUMBER: XSF60-KNYK-5Hx5V-840-Position 4

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: P1440286
CATALOG NUMBER: XSF60-KNYK-5Hx5V-840-Position 4

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: P1440286

CATALOG NUMBER: XSF60-KNYK-5Hx5V-840-Position 4

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	5607.2	5607.2	5607.2	5607.2	5607.2	5607.2	5607.2	5607.2	5607.2	5607.2	5607.2
1°	5577.7	5587.0	5590.9	5600.6	5607.2	5615.2	5621.3	5624.4	5623.5	5627.1	5628.4
2°	5527.5	5540.2	5553.0	5570.2	5590.5	5608.5	5624.4	5633.7	5638.1	5635.0	5630.6
3°	5465.3	5478.1	5498.4	5523.9	5555.7	5586.5	5617.4	5630.1	5637.2	5631.5	5617.8
4°	5394.4	5410.3	5434.1	5466.2	5511.2	5555.2	5599.3	5619.1	5628.8	5613.8	5587.8
5°	5321.7	5339.8	5364.4	5401.0	5455.6	5513.8	5569.3	5599.7	5609.4	5585.6	5548.2
6°	5249.0	5267.5	5292.6	5335.8	5394.4	5462.7	5529.7	5569.3	5575.5	5547.7	5497.9
7°	5172.3	5199.2	5226.9	5268.8	5329.2	5402.8	5478.6	5524.4	5530.1	5496.2	5441.5
8°	5098.7	5133.1	5163.9	5206.2	5264.0	5337.5	5416.4	5468.4	5475.5	5436.7	5376.8
9°	5019.8	5060.8	5100.5	5142.8	5196.5	5264.0	5342.8	5396.2	5403.2	5364.9	5305.4
10°	4926.9	4977.5	5024.2	5074.0	5121.6	5180.2	5253.4	5309.3	5318.6	5281.6	5235.3
11°	4821.6	4878.8	4935.7	4994.3	5042.8	5085.1	5148.1	5202.7	5215.9	5186.4	5157.8
12°	4697.7	4759.4	4826.0	4901.7	4952.4	4982.8	5029.5	5079.8	5096.5	5080.7	5074.0
13°	4554.1	4618.9	4697.7	4792.9	4851.1	4862.5	4899.5	4944.5	4962.1	4961.7	4980.2
14°	4393.8	4467.3	4551.4	4665.6	4730.3	4735.6	4753.7	4794.2	4814.1	4831.7	4874.0
15°	4222.9	4307.4	4397.7	4520.6	4596.4	4593.7	4597.7	4627.2	4656.3	4689.8	4753.3
16°	4043.9	4145.1	4234.3	4356.6	4434.7	4430.7	4427.2	4444.4	4481.4	4536.9	4615.8
17°	3860.5	3982.7	4072.9	4178.6	4254.0	4255.7	4239.5	4244.5	4292.2	4364.9	4452.7
18°	3664.6	3812.9	3904.2	3990.6	4055.0	4062.4	4036.0	4031.0	4084.7	4183.2	4270.3
19°	3454.5	3624.2	3724.4	3792.2	3837.9	3850.0	3815.9	3803.5	3865.6	3979.6	4064.3
20°	3226.3	3412.2	3520.4	3577.8	3602.9	3620.9	3582.2	3565.6	3630.3	3755.8	3845.4
21°	2981.9	3173.4	3290.9	3340.2	3352.8	3380.6	3337.8	3322.3	3388.6	3520.1	3607.8
22°	2726.5	2918.5	3040.9	3083.6	3096.6	3126.8	3089.5	3076.1	3144.9	3272.2	3360.5
23°	2473.4	2656.5	2779.2	2812.5	2826.6	2866.8	2838.4	2830.5	2896.9	3019.0	3099.1
24°	2225.6	2395.5	2508.0	2547.2	2563.8	2603.9	2587.6	2583.9	2652.6	2761.2	2834.6
25°	1997.3	2141.0	2249.7	2286.3	2301.7	2353.9	2339.1	2341.7	2411.7	2509.3	2571.0
26°	1785.3	1904.7	2000.0	2040.3	2056.9	2098.8	2094.6	2104.5	2172.3	2258.4	2315.9
27°	1604.4	1703.5	1784.7	1822.8	1834.0	1868.1	1867.6	1882.6	1946.1	2022.3	2072.1
28°	1451.6	1531.3	1593.2	1626.1	1633.7	1655.1	1661.1	1679.7	1732.9	1799.5	1846.3
29°	1331.4	1399.8	1444.7	1464.9	1462.8	1472.2	1483.6	1508.3	1550.1	1601.5	1644.2
30°	1236.9	1295.9	1325.2	1330.0	1319.1	1321.9	1340.1	1368.5	1398.5	1431.2	1466.4
31°	1161.9	1217.5	1236.5	1224.8	1203.8	1203.5	1227.5	1258.4	1279.1	1292.6	1322.9
32°	1102.9	1154.6	1163.2	1138.8	1112.6	1109.5	1138.3	1171.1	1184.8	1185.3	1205.3
33°	1054.5	1103.8	1107.7	1071.0	1037.3	1036.2	1066.8	1101.8	1108.8	1097.6	1111.6
34°	1012.8	1063.5	1059.1	1015.4	977.7	976.3	1009.3	1045.3	1048.4	1027.9	1036.8
35°	976.8	1028.9	1017.9	967.9	925.8	926.2	960.3	997.1	997.9	970.7	974.5
36°	943.8	997.7	981.4	925.6	881.1	882.4	917.9	956.4	954.0	921.3	923.2
37°	911.6	967.2	946.6	887.2	844.4	846.3	880.6	918.9	913.6	877.9	878.4
38°	877.9	935.2	912.4	852.3	807.7	810.2	847.5	885.0	876.4	838.4	838.7
39°	843.0	902.0	877.3	817.5	770.9	774.0	814.4	851.5	841.4	801.1	801.4
40°	808.1	866.8	839.0	782.7	733.5	737.4	781.4	816.7	804.5	764.5	764.8
41°	773.2	830.1	800.7	744.6	696.2	700.7	745.3	780.0	766.9	728.1	728.9
42°	732.1	793.3	762.2	703.7	658.6	663.6	707.5	741.6	726.6	690.4	692.0
43°	691.9	752.6	718.3	662.6	620.0	626.3	668.9	700.0	683.8	652.9	654.2
44°	652.1	711.2	674.9	619.6	580.3	588.0	630.2	657.8	638.8	613.8	616.5

REPORT NUMBER: P1440286

CATALOG NUMBER: XSF60-KNYK-5Hx5V-840-Position 4

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	614.4	671.1	631.5	577.7	540.5	546.8	590.7	616.6	593.1	574.3	578.7
46°	577.5	632.3	592.2	538.8	503.1	507.1	552.4	576.8	548.0	533.6	541.9
47°	536.8	588.6	552.0	504.0	468.5	468.8	514.4	540.4	507.8	494.7	506.4
48°	490.3	543.4	504.2	461.1	430.2	427.8	473.3	500.9	466.2	458.1	472.1
49°	448.3	502.2	457.7	412.2	381.8	378.7	428.5	460.1	424.0	419.7	431.6
50°	412.7	474.4	423.0	368.4	330.2	335.2	380.9	417.7	391.9	381.2	392.9
51°	379.9	438.9	397.5	332.4	282.8	297.5	338.8	387.0	359.8	342.6	347.5
52°	353.7	402.5	367.9	292.9	240.4	258.0	306.8	356.5	327.7	304.0	301.8
53°	338.1	381.7	351.4	273.4	216.1	232.7	286.0	325.9	300.8	276.1	275.1
54°	318.6	362.4	333.9	251.3	190.8	214.0	271.0	298.7	274.1	253.5	254.6
55°	298.5	337.3	307.0	227.5	166.0	197.2	258.8	273.9	248.9	234.5	235.5
56°	270.2	308.9	277.9	205.1	145.5	183.3	245.8	253.6	227.4	219.8	218.3
57°	243.4	279.1	251.3	183.8	131.7	172.1	228.7	231.6	205.5	206.1	201.6
58°	223.6	253.5	227.6	164.8	122.2	161.8	212.0	211.1	183.3	187.3	186.4
59°	202.5	232.9	205.6	150.0	114.0	147.6	200.7	195.2	171.1	171.9	172.0
60°	180.3	210.5	183.9	138.9	106.6	133.1	183.7	178.8	154.4	161.9	158.7
61°	162.1	187.3	164.1	125.7	99.7	122.3	165.0	161.6	135.9	148.6	146.1
62°	146.5	166.9	146.0	113.0	93.6	113.8	151.1	149.0	122.5	135.0	134.1
63°	131.8	148.2	131.4	102.9	87.6	105.4	140.2	137.9	110.9	122.2	123.3
64°	120.6	132.3	118.5	94.7	82.3	97.5	127.6	126.7	101.0	111.4	113.0
65°	109.6	117.8	107.6	86.4	77.4	89.6	116.0	116.2	93.1	102.2	103.6
66°	99.4	105.9	98.0	79.8	72.5	81.7	105.4	106.3	85.8	93.5	95.0
67°	89.3	94.0	88.4	73.3	67.6	75.0	95.1	96.6	79.4	85.4	87.0
68°	79.2	82.2	78.8	66.8	62.8	69.0	85.0	87.3	73.1	77.4	78.9
69°	70.4	72.0	70.2	60.6	58.2	63.0	76.5	78.5	67.0	69.8	70.8
70°	61.7	63.2	62.3	55.6	53.7	57.2	68.6	70.2	61.1	62.5	63.2
71°	54.1	55.6	55.1	52.2	49.2	51.7	61.5	62.8	55.3	55.4	56.2
72°	47.3	48.8	48.6	49.8	44.7	46.7	55.1	57.9	50.0	49.3	50.1
73°	41.1	42.3	42.5	44.1	40.1	42.1	49.0	53.1	44.9	43.8	44.3
74°	35.3	36.5	36.7	37.4	35.6	37.5	43.2	45.8	40.0	38.9	39.4
75°	30.1	31.3	31.4	32.1	31.3	33.1	37.7	39.0	35.5	34.1	34.2
76°	25.6	26.6	26.7	27.3	27.3	29.0	32.4	33.6	30.9	29.3	29.1
77°	21.6	22.5	22.6	23.3	23.4	24.9	27.8	28.2	26.4	25.1	24.7
78°	17.9	18.9	18.8	19.7	19.6	21.1	23.5	24.0	22.4	21.3	20.6
79°	14.7	15.6	15.4	16.6	16.2	17.8	19.8	20.3	18.8	17.9	17.1
80°	11.8	12.6	12.4	13.6	13.3	14.7	16.2	16.6	15.4	14.6	14.0
81°	9.8	10.5	10.2	11.1	10.9	12.1	13.2	13.4	12.2	11.7	11.2
82°	7.7	8.3	8.0	8.6	8.5	9.5	10.8	10.8	9.7	9.2	8.5
83°	5.7	6.2	5.9	6.1	6.1	6.9	8.4	8.4	7.3	6.8	6.0
84°	4.6	5.0	4.8	4.4	4.9	5.3	6.0	6.1	5.6	5.0	4.1
85°	3.3	3.6	3.5	2.8	3.5	4.0	4.4	4.1	4.2	3.6	2.8
86°	1.7	1.8	1.9	1.5	2.0	2.5	2.7	2.6	2.7	2.2	1.4
87°	0.6	0.6	0.7	0.6	0.9	1.0	1.2	1.1	1.2	0.8	0.4
88°	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.3	0.3	0.2	0.1
89°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0

REPORT NUMBER: P1440286

CATALOG NUMBER: XSF60-KNYK-5Hx5V-840-Position 4

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: P1440286

CATALOG NUMBER: XSF60-KNYK-5Hx5V-840-Position 4

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: P1440286
CATALOG NUMBER: XSF60-KNYK-5Hx5V-840-Position 4

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: P1440286

CATALOG NUMBER: XSF60-KNYK-5Hx5V-840-Position 4

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	5607.2	5607.2	5607.2
1°	5621.8	5619.6	5613.0
2°	5617.8	5604.6	5592.2
3°	5594.9	5572.9	5553.5
4°	5553.9	5522.6	5499.3
5°	5501.9	5461.4	5434.1
6°	5443.3	5396.2	5364.0
7°	5379.0	5330.1	5294.8
8°	5313.3	5265.7	5233.1
9°	5251.6	5204.9	5169.7
10°	5187.7	5142.3	5102.2
11°	5120.3	5072.7	5023.8
12°	5048.9	4992.1	4930.0
13°	4961.7	4890.3	4818.5
14°	4858.6	4773.5	4692.0
15°	4735.2	4641.8	4552.3
16°	4595.9	4499.9	4406.5
17°	4443.0	4348.4	4252.3
18°	4271.9	4189.1	4091.8
19°	4087.1	4025.0	3925.4
20°	3887.7	3853.2	3749.6
21°	3670.6	3661.5	3553.9
22°	3440.1	3446.4	3335.6
23°	3185.1	3210.4	3097.9
24°	2921.1	2952.3	2845.8
25°	2656.5	2690.1	2592.8
26°	2392.6	2422.0	2337.1
27°	2140.9	2163.7	2090.1
28°	1904.1	1918.1	1859.4
29°	1691.3	1701.2	1662.3
30°	1508.8	1518.1	1499.6
31°	1361.2	1378.1	1371.6
32°	1244.5	1268.9	1271.8
33°	1152.3	1185.0	1195.3
34°	1079.4	1120.5	1134.6
35°	1019.6	1068.1	1085.6
36°	971.7	1026.2	1044.9
37°	930.4	990.0	1009.8
38°	892.0	956.5	977.2
39°	854.8	922.1	944.0
40°	817.9	885.3	908.4
41°	780.5	847.7	871.3
42°	740.5	808.6	831.3
43°	702.0	768.8	789.2
44°	663.5	726.4	745.0

REPORT NUMBER: P1440286

CATALOG NUMBER: XSF60-KNYK-5Hx5V-840-Position 4

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	624.0	682.4	697.1
46°	584.5	637.6	648.4
47°	544.4	593.9	601.2
48°	505.9	550.5	557.1
49°	465.3	504.4	510.3
50°	417.9	457.3	467.2
51°	378.3	406.4	433.4
52°	338.8	370.4	391.5
53°	299.3	334.9	353.6
54°	272.7	299.3	315.8
55°	250.9	277.4	289.6
56°	235.0	255.7	259.7
57°	215.7	230.4	231.0
58°	197.1	208.3	203.2
59°	180.4	189.7	183.8
60°	165.0	169.5	164.4
61°	151.6	151.7	147.0
62°	137.9	138.1	131.4
63°	124.7	125.4	118.3
64°	113.4	113.8	106.0
65°	103.3	102.9	95.5
66°	93.4	93.3	86.7
67°	83.7	85.2	78.7
68°	75.0	77.3	71.2
69°	66.9	69.7	64.2
70°	60.1	62.5	57.5
71°	53.8	55.8	51.5
72°	49.4	49.8	45.7
73°	47.2	43.8	40.4
74°	42.0	38.6	35.7
75°	35.1	33.4	31.0
76°	29.2	28.2	26.3
77°	25.2	23.7	22.4
78°	21.1	19.5	18.5
79°	17.1	15.6	14.6
80°	13.7	12.2	11.3
81°	10.5	9.2	8.6
82°	7.9	6.7	6.4
83°	5.6	4.9	4.6
84°	4.0	3.5	3.2
85°	2.4	2.1	1.9
86°	0.8	0.7	0.5
87°	0.2	0.2	0.1
88°	0.1	0.1	0.1
89°	0.0	0.0	0.0

REPORT NUMBER: P1440286

CATALOG NUMBER: XSF60-KNYK-5Hx5V-840-Position 4

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: P1440286

CATALOG NUMBER: XSF60-KNYK-5Hx5V-840-Position 4

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: P1440286

CATALOG NUMBER: XSF60-KNYK-5Hx5V-840-Position 4

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)