

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: P1440282

Luminaire Tested: XSF60-KNYK-5Hx5V-830-Position 4

Issue Date: 04/15/2026

Test Information

Test Method: LM-79-2024
Report Number: P1440282
Test Lab: THIRD PARTY NVLAP
Issue Date: 7/15/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XSF60-KNYK-5Hx5V-830-Position 4
Description: LUMARK ALL SELECTABLE LUMINAIRE 60W w/ NEMA 5 FLOOD DISTRIBUTION 3000K CCT 80 CRI LIGHT ENGINE AT Position 4
Light Source: (1) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

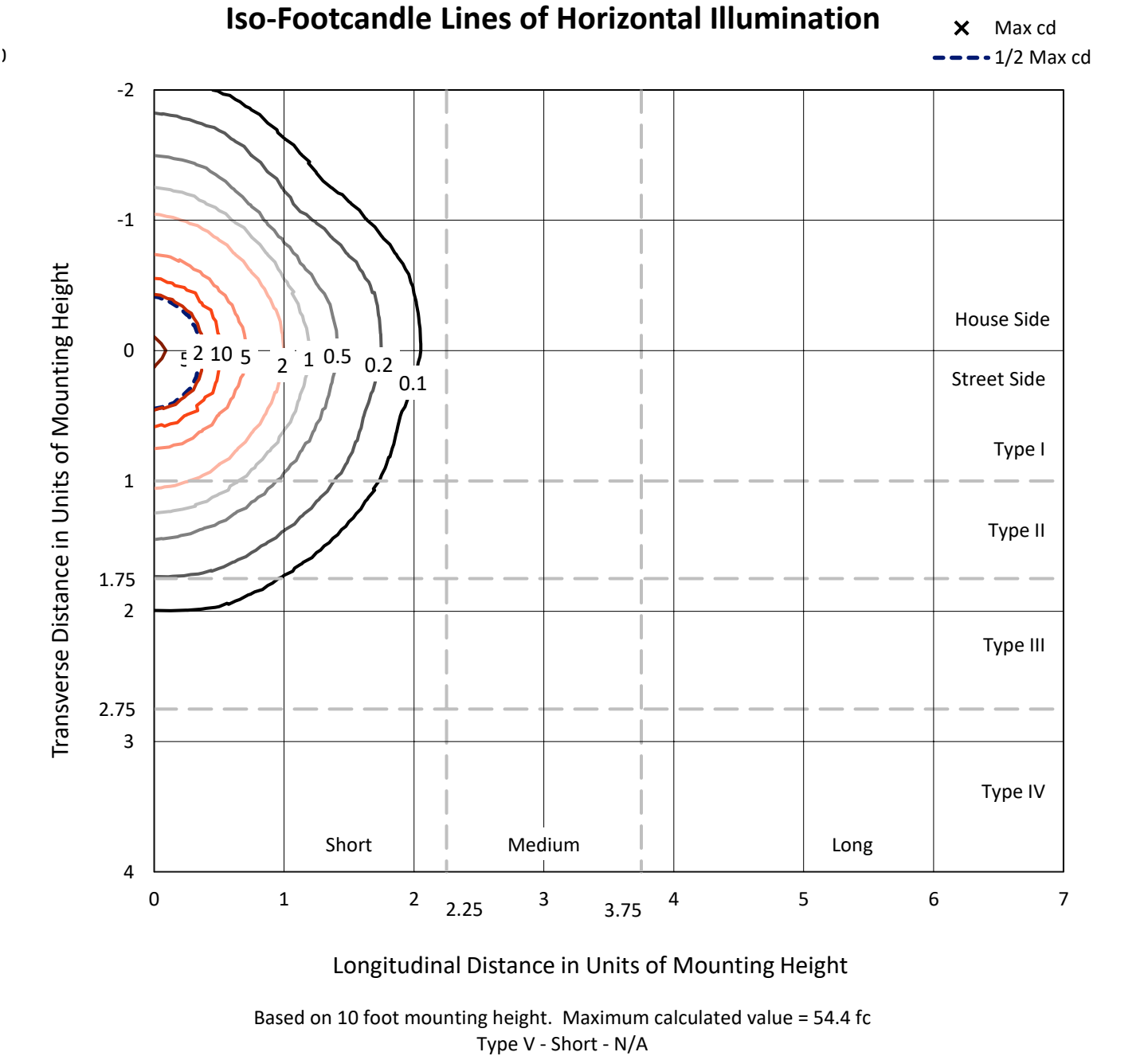
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4022 lumens
Efficiency: N/A
Efficacy: 160.9 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



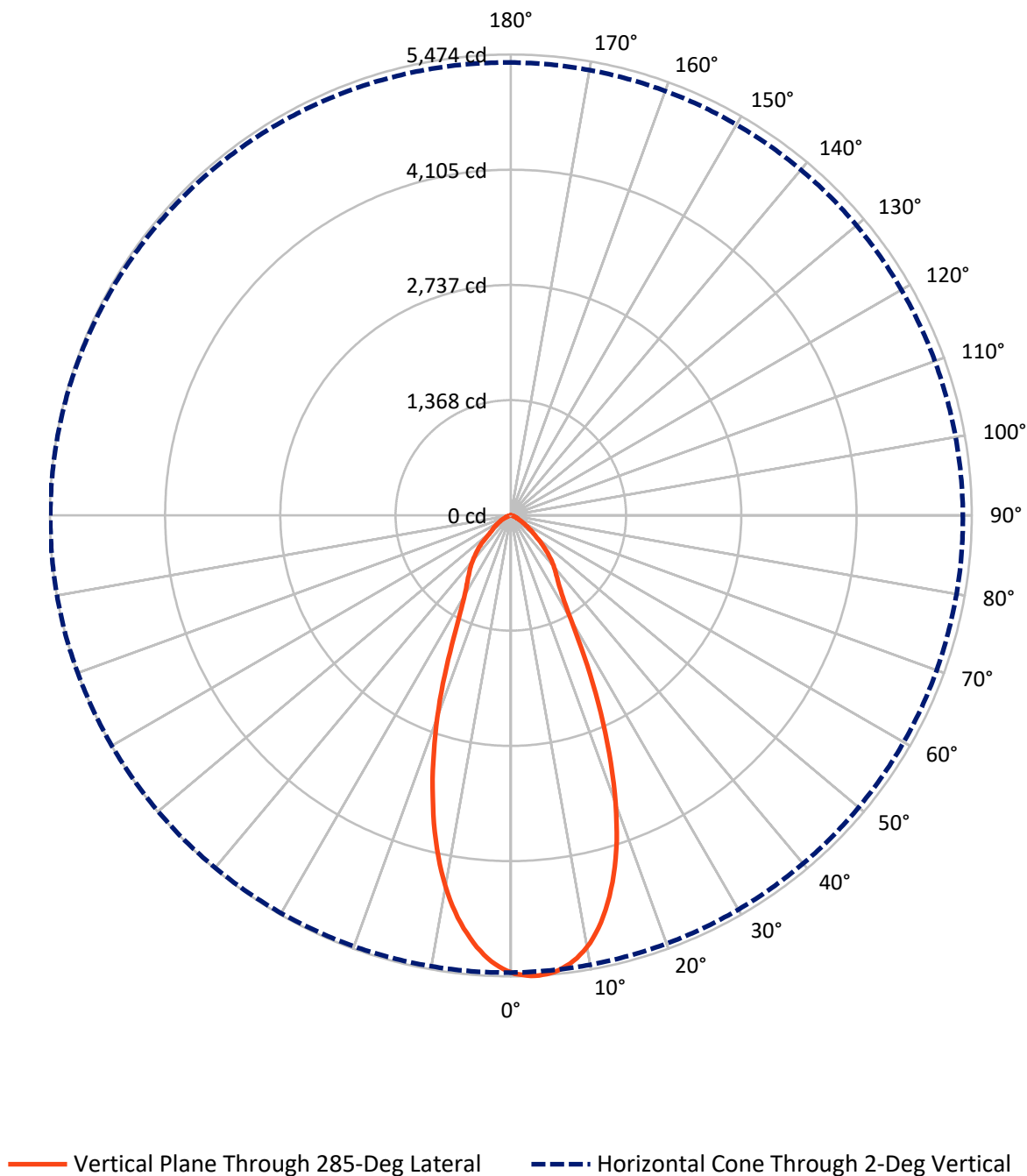
REPORT NUMBER: P1440282
CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-Position 4



REPORT NUMBER: P1440282

CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-Position 4

Luminous Intensity Polar Plot



REPORT NUMBER: P1440282

CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-Position 4

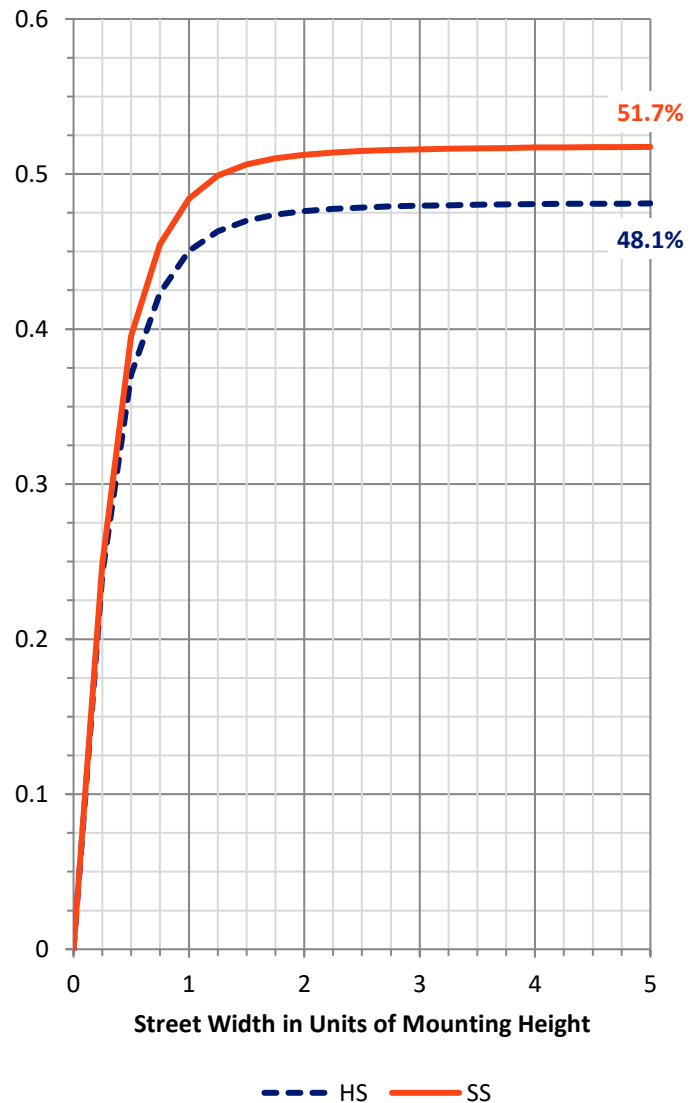
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1954.2	0.0	1954.2
	% Fixture	48.6	0.0	48.6
Street Side	Lumens	2067.9	0.0	2067.9
	% Fixture	51.4	0.0	51.4
Total	Lumens	4022.0	0.0	4022.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	489.5	12.2
10°-20°	1157.0	28.8
20°-30°	982.1	24.4
30°-40°	600.6	14.9
40°-50°	437.9	10.9
50°-60°	217.5	5.4
60°-70°	97.9	2.4
70°-80°	35.2	0.9
80°-90°	4.4	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°	4022.0	100.0
0°-180°	4022.0	100.0

Coefficient of Utilization



REPORT NUMBER: P1440282

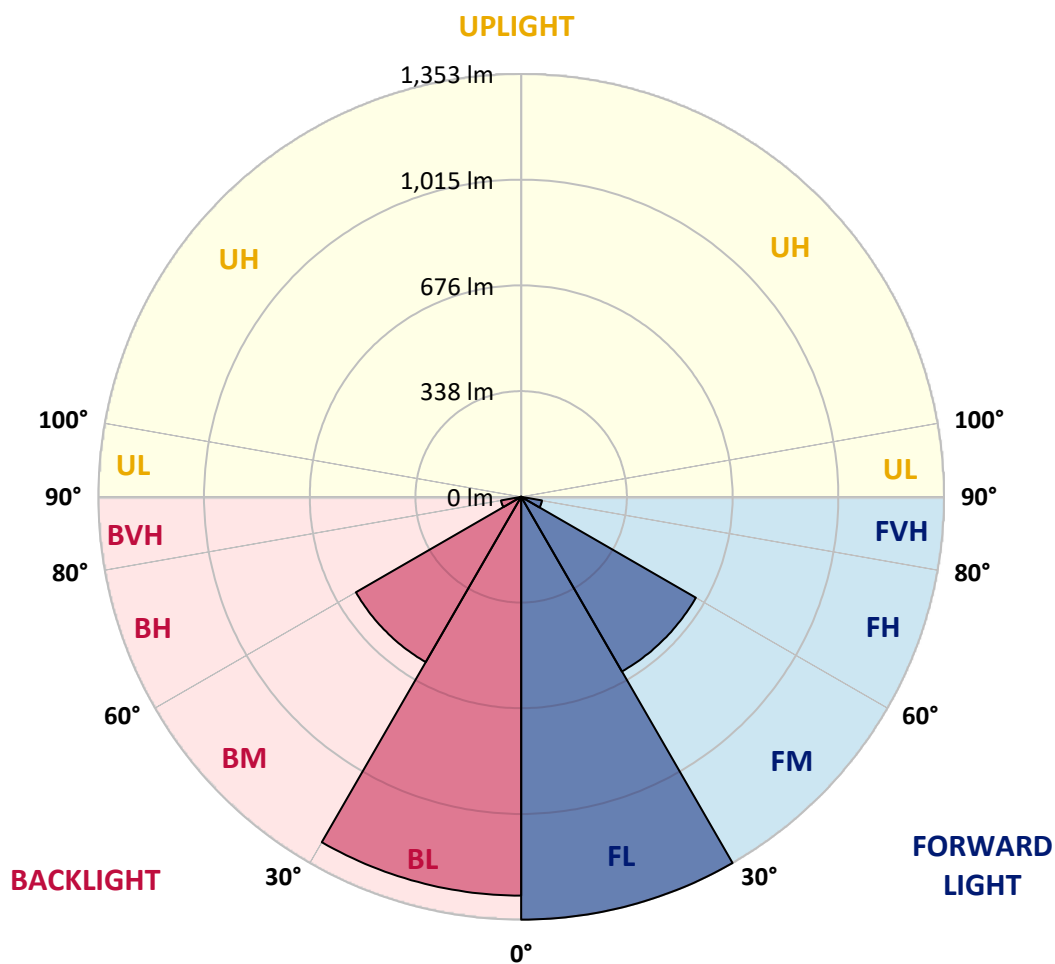
CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-Position 4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1352.7	33.6			
FM	(30°-60°)	645.4	16.0			
FH	(60°-80°)	67.6	1.7			G0/660
FVH	(80°-90°)	2.1	0.1			G0/10
BL	(0°-30°)	1275.8	31.7	B3/2500		
BM	(30°-60°)	610.6	15.2	B1/1000		
BH	(60°-80°)	65.5	1.6	B0/110		G0/660
BVH	(80°-90°)	2.3	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: P1440282

CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-Position 4

CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	5443.9	5443.9	5443.9	5443.9	5443.9	5443.9	5443.9	5443.9	5443.9	5443.9	5443.9
1°	5449.5	5441.3	5434.1	5428.1	5422.1	5417.4	5412.2	5406.7	5406.3	5407.5	5411.0
2°	5429.4	5414.4	5404.1	5396.0	5387.9	5377.6	5369.0	5360.5	5357.5	5358.8	5359.2
3°	5391.7	5373.7	5358.3	5346.4	5334.4	5322.4	5309.6	5301.0	5295.5	5295.0	5297.6
4°	5339.1	5314.3	5295.9	5283.9	5268.5	5256.1	5238.6	5227.9	5223.2	5223.6	5227.0
5°	5275.8	5251.8	5229.1	5209.5	5191.1	5176.5	5156.0	5142.7	5138.0	5142.3	5150.9
6°	5207.8	5180.8	5155.1	5128.6	5102.1	5081.6	5058.0	5042.6	5041.3	5052.9	5072.1
7°	5140.6	5109.8	5076.8	5039.6	5002.4	4975.9	4952.8	4936.9	4937.4	4956.2	4988.3
8°	5080.7	5042.2	4997.3	4945.9	4895.9	4860.8	4830.9	4818.4	4826.1	4855.7	4904.0
9°	5019.1	4974.2	4914.7	4845.4	4779.5	4733.7	4698.2	4688.4	4701.7	4744.9	4812.0
10°	4953.6	4900.2	4825.7	4740.2	4658.0	4599.4	4552.8	4546.4	4569.0	4626.8	4707.6
11°	4877.5	4818.4	4728.6	4627.6	4527.1	4451.0	4399.2	4392.8	4427.4	4497.2	4594.7
12°	4786.4	4718.8	4623.8	4504.0	4390.6	4297.4	4232.0	4229.7	4273.2	4357.7	4464.2
13°	4678.1	4605.8	4500.6	4369.2	4241.0	4129.2	4052.9	4053.3	4108.9	4204.4	4318.3
14°	4555.3	4472.3	4358.1	4223.4	4078.0	3951.6	3865.7	3867.4	3934.4	4037.8	4157.1
15°	4419.7	4330.7	4196.3	4062.1	3908.4	3765.3	3667.9	3674.2	3746.0	3858.4	3979.5
16°	4278.1	4169.8	4027.5	3888.9	3723.7	3570.8	3466.6	3470.8	3548.2	3669.9	3789.7
17°	4128.4	4002.6	3848.5	3702.7	3527.7	3367.0	3262.7	3268.1	3345.0	3466.7	3590.9
18°	3972.6	3832.5	3663.5	3506.6	3326.1	3163.8	3060.5	3059.7	3136.0	3257.6	3384.8
19°	3811.0	3655.4	3469.6	3298.8	3118.2	2956.7	2858.4	2856.5	2925.1	3035.6	3169.3
20°	3640.4	3466.5	3267.2	3088.0	2910.5	2754.9	2657.7	2654.1	2713.5	2809.3	2942.0
21°	3450.4	3260.3	3052.6	2874.3	2699.1	2552.1	2455.6	2450.1	2500.2	2581.1	2704.3
22°	3238.5	3047.3	2833.8	2657.7	2490.9	2347.9	2257.6	2248.8	2293.8	2356.0	2466.3
23°	3007.7	2815.7	2609.3	2437.7	2280.1	2146.3	2061.8	2049.0	2085.3	2136.2	2231.6
24°	2762.9	2579.1	2385.7	2221.8	2075.7	1953.1	1874.8	1860.5	1885.4	1923.6	2011.3
25°	2517.3	2349.5	2169.7	2016.3	1880.4	1773.9	1707.5	1685.6	1699.4	1728.5	1807.2
26°	2269.0	2120.7	1959.3	1818.8	1699.4	1612.8	1558.6	1534.3	1532.7	1555.4	1621.9
27°	2029.2	1905.9	1764.5	1638.0	1540.1	1475.7	1432.8	1406.7	1393.4	1404.9	1465.3
28°	1805.3	1706.5	1589.3	1480.2	1400.4	1357.1	1326.2	1297.9	1277.1	1281.6	1331.4
29°	1613.9	1536.4	1439.1	1346.2	1285.4	1257.1	1236.7	1208.4	1181.1	1179.2	1223.5
30°	1455.9	1392.4	1313.5	1233.4	1186.8	1173.7	1162.3	1133.1	1103.7	1096.3	1134.6
31°	1331.7	1280.4	1208.9	1139.0	1104.9	1104.6	1099.5	1071.7	1038.9	1028.1	1064.4
32°	1234.8	1189.9	1122.5	1062.8	1037.7	1046.2	1047.2	1017.7	985.2	971.6	1005.8
33°	1160.4	1119.0	1052.8	997.8	980.7	996.3	1001.0	971.6	939.0	922.4	956.2
34°	1101.6	1062.9	995.5	942.7	930.1	952.5	961.3	930.8	897.5	880.6	914.6
35°	1054.0	1015.8	947.2	894.3	885.6	911.8	923.3	892.5	859.1	841.7	877.2
36°	1014.5	975.6	905.5	850.4	845.7	875.0	887.3	857.0	823.6	806.4	842.3
37°	980.4	939.4	868.3	812.0	809.3	839.7	852.8	824.3	788.1	771.0	809.7
38°	948.7	904.7	834.1	777.1	775.3	805.1	819.9	791.5	752.6	735.7	777.0
39°	916.5	870.1	800.9	743.1	741.2	770.2	787.1	758.6	716.7	699.3	744.3
40°	881.9	835.5	766.1	708.2	707.3	733.4	754.3	723.3	682.0	663.7	709.1
41°	845.9	799.8	729.3	673.0	672.3	696.1	716.7	688.7	645.2	628.7	673.0
42°	807.1	762.0	691.4	637.5	636.5	656.3	677.2	651.3	608.3	593.2	636.5
43°	766.2	721.9	654.2	600.9	600.3	615.3	638.3	615.5	570.6	556.8	600.0
44°	723.3	680.3	615.9	565.5	564.1	575.6	599.6	579.8	532.8	521.1	565.8

REPORT NUMBER: P1440282

CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-Position 4

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	676.8	638.2	578.1	530.3	529.8	538.4	562.8	545.2	497.2	487.1	532.5
46°	629.5	596.9	540.3	496.1	496.0	501.9	523.0	507.3	461.1	457.9	501.2
47°	583.7	555.9	503.4	462.5	458.3	461.9	480.6	462.3	416.4	424.9	466.7
48°	540.8	516.6	464.6	424.4	419.0	424.4	440.6	417.1	371.5	384.5	424.3
49°	495.4	472.9	418.8	383.6	383.6	387.5	403.1	373.2	331.7	344.2	377.3
50°	453.6	427.4	380.3	343.5	348.3	356.1	370.3	335.0	290.0	293.8	335.4
51°	420.8	378.1	342.0	303.4	312.9	324.9	343.7	308.1	258.0	253.9	295.0
52°	380.1	344.1	303.8	275.8	285.8	300.0	320.2	287.9	235.3	221.5	266.3
53°	343.3	310.0	273.6	255.0	260.1	273.3	298.6	271.3	215.6	195.9	248.4
54°	306.6	286.7	252.6	240.9	236.4	246.6	274.2	258.2	199.0	171.2	229.0
55°	281.2	256.9	230.6	225.4	218.0	223.9	252.5	242.1	183.8	149.9	207.4
56°	252.2	231.7	212.1	206.9	205.3	206.6	234.1	226.9	169.4	132.9	185.2
57°	224.2	211.5	193.8	190.8	193.9	190.6	215.4	210.6	158.0	121.4	166.6
58°	197.3	192.1	177.5	175.6	178.1	172.4	197.0	198.8	146.8	113.0	150.1
59°	178.4	177.3	163.4	160.6	165.8	157.0	180.6	181.5	133.0	105.4	136.6
60°	159.6	166.9	150.7	146.8	152.5	137.9	166.9	164.2	122.2	98.6	125.1
61°	142.7	152.4	136.8	134.8	138.3	122.5	152.2	152.6	115.5	93.0	114.3
62°	127.6	136.4	124.0	123.4	125.8	113.5	139.0	141.8	107.0	87.4	105.1
63°	114.9	122.3	113.3	113.2	115.2	105.7	128.9	130.8	98.8	81.7	97.3
64°	102.9	112.0	104.1	104.2	106.0	96.8	118.3	118.2	91.0	76.8	90.0
65°	92.7	101.3	96.2	96.1	96.9	88.7	107.9	106.9	83.3	72.2	82.7
66°	84.2	91.8	88.3	88.3	88.4	81.4	98.0	96.7	76.5	67.5	76.0
67°	76.4	83.2	80.8	80.9	80.2	75.1	88.1	86.6	69.8	62.9	69.2
68°	69.1	74.9	73.2	73.3	72.2	68.8	78.2	76.5	63.3	58.4	62.6
69°	62.3	67.1	65.4	65.7	64.7	62.5	69.6	68.2	57.4	53.9	57.1
70°	55.8	59.7	58.4	58.6	57.7	56.6	62.8	61.3	52.1	49.5	54.9
71°	50.0	53.1	53.2	52.0	51.4	51.1	60.4	55.0	47.3	45.1	52.2
72°	44.4	47.1	52.2	46.2	45.6	46.0	53.9	49.0	42.7	40.9	47.0
73°	39.2	41.6	46.7	40.8	40.3	41.0	46.5	43.4	38.1	36.4	40.2
74°	34.6	36.5	39.6	36.1	35.7	36.4	39.8	38.1	33.8	32.2	34.7
75°	30.1	31.4	33.9	31.4	31.1	31.9	34.3	33.1	29.7	28.3	30.0
76°	25.6	26.4	28.3	26.7	26.5	27.3	29.7	28.6	25.8	24.6	25.7
77°	21.7	22.1	22.7	22.4	22.5	23.2	25.6	24.4	22.1	21.0	21.8
78°	17.9	17.9	18.9	18.6	19.0	19.6	22.0	20.6	18.8	17.4	18.3
79°	14.1	14.3	15.6	15.3	15.8	16.2	18.5	17.0	15.6	14.3	15.3
80°	11.0	11.1	12.4	12.3	12.6	13.1	15.1	13.8	12.7	11.6	12.5
81°	8.4	8.4	9.4	9.8	10.2	10.6	12.3	11.4	10.4	9.4	10.1
82°	6.2	6.4	7.2	7.4	7.8	8.3	9.9	9.0	8.1	7.3	7.8
83°	4.4	4.5	4.9	5.1	5.7	6.2	7.5	6.6	5.7	5.1	5.4
84°	3.1	3.1	3.5	3.7	4.2	4.6	5.2	4.9	4.3	3.7	3.7
85°	1.8	1.8	2.0	2.3	2.7	3.1	3.3	3.3	2.9	2.4	2.3
86°	0.5	0.5	0.6	0.9	1.2	1.8	1.8	1.8	1.5	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: P1440282

CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-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: P1440282

CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-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: P1440282
CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-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: P1440282

CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-Position 4

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	5443.9	5443.9	5443.9	5443.9	5443.9	5443.9	5443.9	5443.9	5443.9	5443.9	5443.9
1°	5415.2	5424.2	5428.1	5437.5	5443.9	5451.6	5457.6	5460.6	5459.7	5463.2	5464.4
2°	5366.5	5378.9	5391.3	5408.0	5427.7	5445.2	5460.6	5469.6	5473.9	5470.9	5466.6
3°	5306.2	5318.6	5338.2	5363.1	5393.9	5423.8	5453.7	5466.2	5473.0	5467.4	5454.2
4°	5237.3	5252.7	5275.8	5307.0	5350.6	5393.4	5436.2	5455.5	5464.9	5450.3	5425.1
5°	5166.7	5184.2	5208.2	5243.7	5296.7	5353.2	5407.1	5436.6	5446.0	5422.9	5386.6
6°	5096.1	5114.1	5138.4	5180.4	5237.3	5303.6	5368.6	5407.1	5413.1	5386.2	5337.8
7°	5021.7	5047.8	5074.7	5115.3	5174.0	5245.4	5319.0	5363.5	5369.0	5336.1	5283.0
8°	4950.2	4983.6	5013.5	5054.6	5110.6	5182.1	5258.7	5309.1	5316.0	5278.3	5220.2
9°	4873.6	4913.4	4951.9	4993.0	5045.2	5110.6	5187.2	5239.0	5245.8	5208.6	5150.9
10°	4783.4	4832.6	4877.9	4926.3	4972.5	5029.4	5100.4	5154.7	5163.7	5127.8	5082.8
11°	4681.1	4736.7	4791.9	4848.8	4895.9	4936.9	4998.1	5051.2	5064.0	5035.3	5007.5
12°	4560.9	4620.8	4685.4	4759.0	4808.2	4837.7	4883.0	4931.8	4948.1	4932.7	4926.3
13°	4421.4	4484.3	4560.9	4653.3	4709.8	4720.9	4756.8	4800.5	4817.6	4817.2	4835.1
14°	4265.8	4337.2	4418.9	4529.7	4592.6	4597.7	4615.2	4654.6	4673.8	4691.0	4732.0
15°	4099.9	4181.9	4269.6	4388.9	4462.5	4459.9	4463.8	4492.5	4520.7	4553.2	4614.8
16°	3926.1	4024.3	4111.0	4229.7	4305.5	4301.6	4298.2	4314.9	4350.8	4404.8	4481.3
17°	3748.0	3866.7	3954.3	4056.9	4130.1	4131.8	4116.0	4120.9	4167.1	4237.8	4323.0
18°	3557.9	3701.8	3790.5	3874.4	3936.9	3944.0	3918.4	3913.6	3965.8	4061.4	4145.9
19°	3353.9	3518.6	3615.9	3681.7	3726.2	3737.8	3704.8	3692.7	3753.0	3863.7	3946.0
20°	3132.3	3312.8	3417.9	3473.6	3497.9	3515.5	3477.9	3461.7	3524.6	3646.5	3733.4
21°	2895.0	3081.0	3195.1	3242.9	3255.2	3282.1	3240.6	3225.5	3289.9	3417.6	3502.8
22°	2647.1	2833.5	2952.3	2993.8	3006.4	3035.8	2999.6	2986.5	3053.3	3176.9	3262.6
23°	2401.4	2579.1	2698.3	2730.6	2744.2	2783.3	2755.8	2748.0	2812.5	2931.0	3008.8
24°	2160.8	2325.8	2435.0	2473.0	2489.1	2528.0	2512.2	2508.6	2575.3	2680.8	2752.1
25°	1939.1	2078.7	2184.2	2219.7	2234.7	2285.3	2271.0	2273.5	2341.5	2436.3	2496.1
26°	1733.3	1849.3	1941.8	1980.9	1997.0	2037.7	2033.6	2043.2	2109.1	2192.6	2248.5
27°	1557.7	1653.9	1732.7	1769.7	1780.6	1813.7	1813.2	1827.7	1889.4	1963.4	2011.7
28°	1409.3	1486.7	1546.8	1578.7	1586.1	1606.9	1612.8	1630.8	1682.4	1747.1	1792.5
29°	1292.6	1359.0	1402.6	1422.2	1420.2	1429.4	1440.4	1464.4	1505.0	1554.8	1596.3
30°	1200.8	1258.2	1286.6	1291.3	1280.7	1283.4	1301.1	1328.7	1357.8	1389.5	1423.7
31°	1128.1	1182.0	1200.4	1189.1	1168.8	1168.5	1191.7	1221.7	1241.8	1254.9	1284.4
32°	1070.8	1121.0	1129.3	1105.6	1080.2	1077.1	1105.1	1137.0	1150.3	1150.7	1170.2
33°	1023.8	1071.6	1075.4	1039.8	1007.1	1006.0	1035.7	1069.7	1076.5	1065.7	1079.2
34°	983.3	1032.5	1028.2	985.8	949.2	947.8	979.9	1014.8	1017.9	998.0	1006.6
35°	948.4	998.9	988.2	939.7	898.8	899.2	932.3	968.1	968.8	942.4	946.1
36°	916.3	968.7	952.8	898.6	855.5	856.7	891.2	928.6	926.2	894.5	896.3
37°	885.1	939.0	919.0	861.4	819.8	821.6	855.0	892.1	887.0	852.3	852.8
38°	852.4	907.9	885.8	827.5	784.1	786.6	822.9	859.3	850.9	814.0	814.3
39°	818.5	875.8	851.8	793.7	748.5	751.5	790.7	826.7	816.9	777.8	778.0
40°	784.6	841.6	814.6	759.9	712.2	715.9	758.6	792.9	781.1	742.2	742.6
41°	750.7	806.0	777.4	722.9	675.9	680.3	723.6	757.3	744.5	706.9	707.7
42°	710.8	770.2	740.0	683.2	639.4	644.2	686.9	720.0	705.4	670.3	671.9
43°	671.7	730.7	697.4	643.3	601.9	608.0	649.5	679.6	663.9	633.9	635.1
44°	633.1	690.4	655.2	601.6	563.4	570.9	611.9	638.7	620.2	595.9	598.6

REPORT NUMBER: P1440282

CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-Position 4

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	596.5	651.5	613.1	560.9	524.7	530.9	573.5	598.7	575.8	557.6	561.9
46°	560.7	613.9	575.0	523.1	488.5	492.3	536.3	560.0	532.0	518.1	526.1
47°	521.2	571.5	536.0	489.3	454.8	455.1	499.4	524.6	493.1	480.3	491.7
48°	476.0	527.6	489.5	447.7	417.6	415.4	459.5	486.3	452.6	444.7	458.4
49°	435.2	487.6	444.3	400.2	370.6	367.7	416.0	446.7	411.6	407.5	419.1
50°	400.7	460.5	410.7	357.7	320.6	325.4	369.9	405.5	380.4	370.1	381.5
51°	368.9	426.1	386.0	322.7	274.5	288.8	329.0	375.8	349.3	332.6	337.4
52°	343.4	390.7	357.2	284.3	233.4	250.5	297.9	346.1	318.1	295.2	293.0
53°	328.3	370.5	341.1	265.5	209.8	225.9	277.7	316.4	292.1	268.0	267.1
54°	309.3	351.9	324.2	244.0	185.2	207.8	263.1	290.0	266.1	246.2	247.2
55°	289.8	327.5	298.0	220.9	161.1	191.4	251.3	265.9	241.6	227.7	228.6
56°	262.3	299.9	269.9	199.1	141.3	177.9	238.7	246.2	220.7	213.4	211.9
57°	236.3	271.0	244.0	178.4	127.8	167.1	222.1	224.8	199.6	200.1	195.7
58°	217.1	246.1	221.0	160.0	118.7	157.1	205.8	205.0	178.0	181.9	181.0
59°	196.6	226.1	199.6	145.6	110.6	143.3	194.9	189.5	166.1	166.8	167.0
60°	175.0	204.4	178.6	134.9	103.5	129.3	178.4	173.6	149.9	157.2	154.1
61°	157.4	181.8	159.3	122.0	96.8	118.7	160.2	156.9	131.9	144.3	141.9
62°	142.3	162.0	141.8	109.8	90.9	110.4	146.7	144.7	118.9	131.1	130.2
63°	127.9	143.9	127.6	99.9	85.0	102.3	136.1	133.9	107.7	118.6	119.7
64°	117.0	128.4	115.1	91.9	79.9	94.6	123.9	123.0	98.1	108.1	109.7
65°	106.4	114.4	104.5	83.9	75.1	87.0	112.6	112.8	90.4	99.2	100.6
66°	96.5	102.9	95.2	77.5	70.4	79.4	102.3	103.2	83.3	90.8	92.3
67°	86.7	91.3	85.8	71.2	65.7	72.8	92.4	93.8	77.1	82.9	84.5
68°	76.9	79.8	76.5	64.8	61.0	67.0	82.5	84.8	71.0	75.2	76.6
69°	68.4	69.9	68.2	58.8	56.5	61.1	74.3	76.2	65.1	67.7	68.7
70°	59.9	61.4	60.5	54.0	52.2	55.5	66.6	68.1	59.3	60.7	61.3
71°	52.5	54.0	53.5	50.7	47.7	50.2	59.7	61.0	53.7	53.8	54.6
72°	45.9	47.4	47.2	48.4	43.4	45.4	53.5	56.2	48.5	47.9	48.6
73°	39.9	41.1	41.3	42.8	38.9	40.8	47.5	51.6	43.6	42.5	43.0
74°	34.3	35.4	35.7	36.4	34.6	36.4	41.9	44.5	38.9	37.8	38.2
75°	29.2	30.4	30.4	31.2	30.4	32.1	36.6	37.9	34.4	33.1	33.2
76°	24.9	25.9	25.9	26.5	26.5	28.1	31.4	32.6	30.0	28.5	28.2
77°	21.0	21.9	21.9	22.6	22.7	24.2	27.0	27.4	25.6	24.4	24.0
78°	17.4	18.3	18.2	19.1	19.1	20.5	22.9	23.3	21.7	20.6	20.0
79°	14.3	15.1	14.9	16.1	15.8	17.3	19.2	19.7	18.3	17.4	16.6
80°	11.5	12.2	12.0	13.2	12.9	14.3	15.8	16.1	14.9	14.2	13.6
81°	9.5	10.2	9.9	10.8	10.6	11.8	12.8	13.0	11.9	11.4	10.8
82°	7.5	8.1	7.8	8.4	8.3	9.2	10.5	10.5	9.4	8.9	8.2
83°	5.5	6.0	5.7	5.9	6.0	6.7	8.1	8.2	7.1	6.6	5.8
84°	4.4	4.8	4.6	4.3	4.7	5.2	5.8	5.9	5.4	4.9	4.0
85°	3.2	3.5	3.4	2.7	3.4	3.9	4.3	3.9	4.0	3.5	2.7
86°	1.6	1.8	1.9	1.4	2.0	2.4	2.6	2.5	2.6	2.1	1.4
87°	0.6	0.6	0.7	0.6	0.8	1.0	1.2	1.1	1.1	0.8	0.4
88°	0.3	0.3	0.3	0.3	0.3	0.3	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: P1440282

CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-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: P1440282

CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-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: P1440282
CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-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: P1440282

CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-Position 4

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	5443.9	5443.9	5443.9
1°	5458.0	5455.9	5449.5
2°	5454.2	5441.3	5429.4
3°	5431.9	5410.5	5391.7
4°	5392.1	5361.8	5339.1
5°	5341.7	5302.3	5275.8
6°	5284.8	5239.0	5207.8
7°	5222.3	5174.8	5140.6
8°	5158.6	5112.4	5080.7
9°	5098.7	5053.3	5019.1
10°	5036.6	4992.6	4953.6
11°	4971.2	4925.0	4877.5
12°	4901.9	4846.7	4786.4
13°	4817.2	4747.9	4678.1
14°	4717.1	4634.5	4555.3
15°	4597.3	4506.6	4419.7
16°	4462.1	4368.8	4278.1
17°	4313.6	4221.7	4128.4
18°	4147.5	4067.1	3972.6
19°	3968.0	3907.7	3811.0
20°	3774.5	3741.0	3640.4
21°	3563.7	3554.8	3450.4
22°	3339.9	3346.0	3238.5
23°	3092.3	3116.9	3007.7
24°	2836.0	2866.3	2762.9
25°	2579.1	2611.7	2517.3
26°	2322.9	2351.5	2269.0
27°	2078.5	2100.6	2029.2
28°	1848.7	1862.3	1805.3
29°	1642.0	1651.7	1613.9
30°	1464.9	1473.9	1455.9
31°	1321.6	1337.9	1331.7
32°	1208.3	1232.0	1234.8
33°	1118.7	1150.5	1160.4
34°	1047.9	1087.9	1101.6
35°	989.9	1037.0	1054.0
36°	943.4	996.3	1014.5
37°	903.3	961.2	980.4
38°	866.0	928.7	948.7
39°	829.9	895.2	916.5
40°	794.1	859.5	881.9
41°	757.8	823.0	845.9
42°	718.9	785.0	807.1
43°	681.6	746.4	766.2
44°	644.2	705.2	723.3

REPORT NUMBER: P1440282

CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-Position 4

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	605.9	662.6	676.8
46°	567.5	619.0	629.5
47°	528.6	576.6	583.7
48°	491.2	534.5	540.8
49°	451.7	489.7	495.4
50°	405.7	444.0	453.6
51°	367.3	394.5	420.8
52°	328.9	359.6	380.1
53°	290.6	325.1	343.3
54°	264.7	290.6	306.6
55°	243.6	269.3	281.2
56°	228.1	248.2	252.2
57°	209.4	223.7	224.2
58°	191.4	202.2	197.3
59°	175.2	184.2	178.4
60°	160.2	164.6	159.6
61°	147.2	147.3	142.7
62°	133.9	134.1	127.6
63°	121.1	121.7	114.9
64°	110.1	110.5	102.9
65°	100.3	99.9	92.7
66°	90.6	90.6	84.2
67°	81.2	82.7	76.4
68°	72.9	75.0	69.1
69°	65.0	67.7	62.3
70°	58.3	60.6	55.8
71°	52.3	54.2	50.0
72°	47.9	48.3	44.4
73°	45.9	42.5	39.2
74°	40.7	37.5	34.6
75°	34.0	32.4	30.1
76°	28.4	27.4	25.6
77°	24.4	23.0	21.7
78°	20.5	18.9	17.9
79°	16.6	15.2	14.1
80°	13.3	11.8	11.0
81°	10.2	8.9	8.4
82°	7.6	6.5	6.2
83°	5.4	4.8	4.4
84°	3.9	3.4	3.1
85°	2.3	2.0	1.8
86°	0.8	0.6	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: P1440282

CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-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: P1440282

CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-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: P1440282

CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-Position 4

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)