

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: P1440285

Luminaire Tested: XSF60-KNYK-5Hx5V-840-Position 3

Issue Date: 04/15/2026

Test Information

Test Method: LM-79-2024
Report Number: P1440285
Test Lab: THIRD PARTY NVLAP
Issue Date: 7/15/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XSF60-KNYK-5Hx5V-840-Position 3
Description: LUMARK ALL SELECTABLE LUMINAIRE 60W w/ NEMA 5 FLOOD DISTRIBUTION 4000K CCT 80 CRI LIGHT ENGINE AT Position 3
Light Source: (1) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5860.5 lumens
Efficiency: N/A
Efficacy: 162.8 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): 36
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

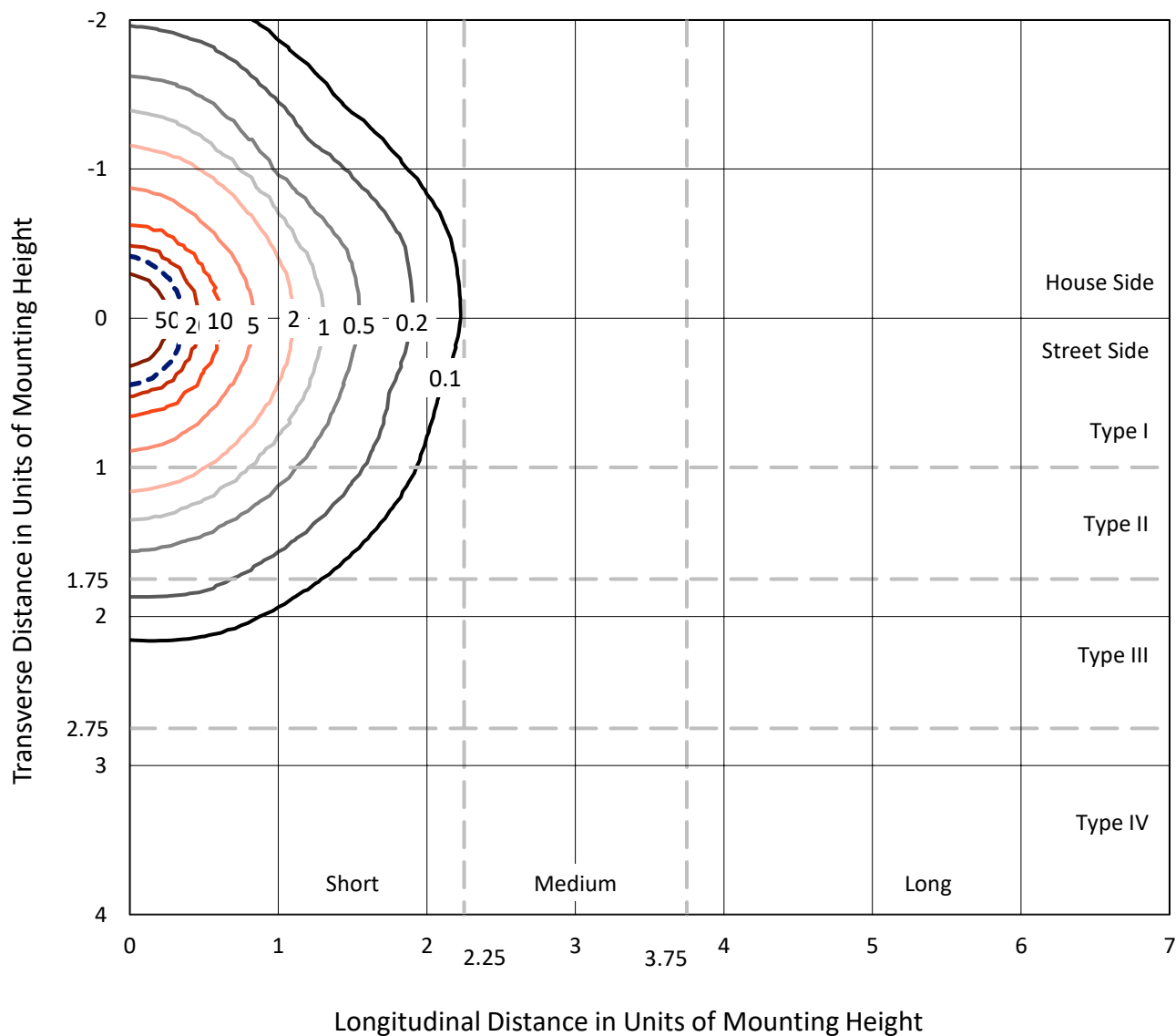
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



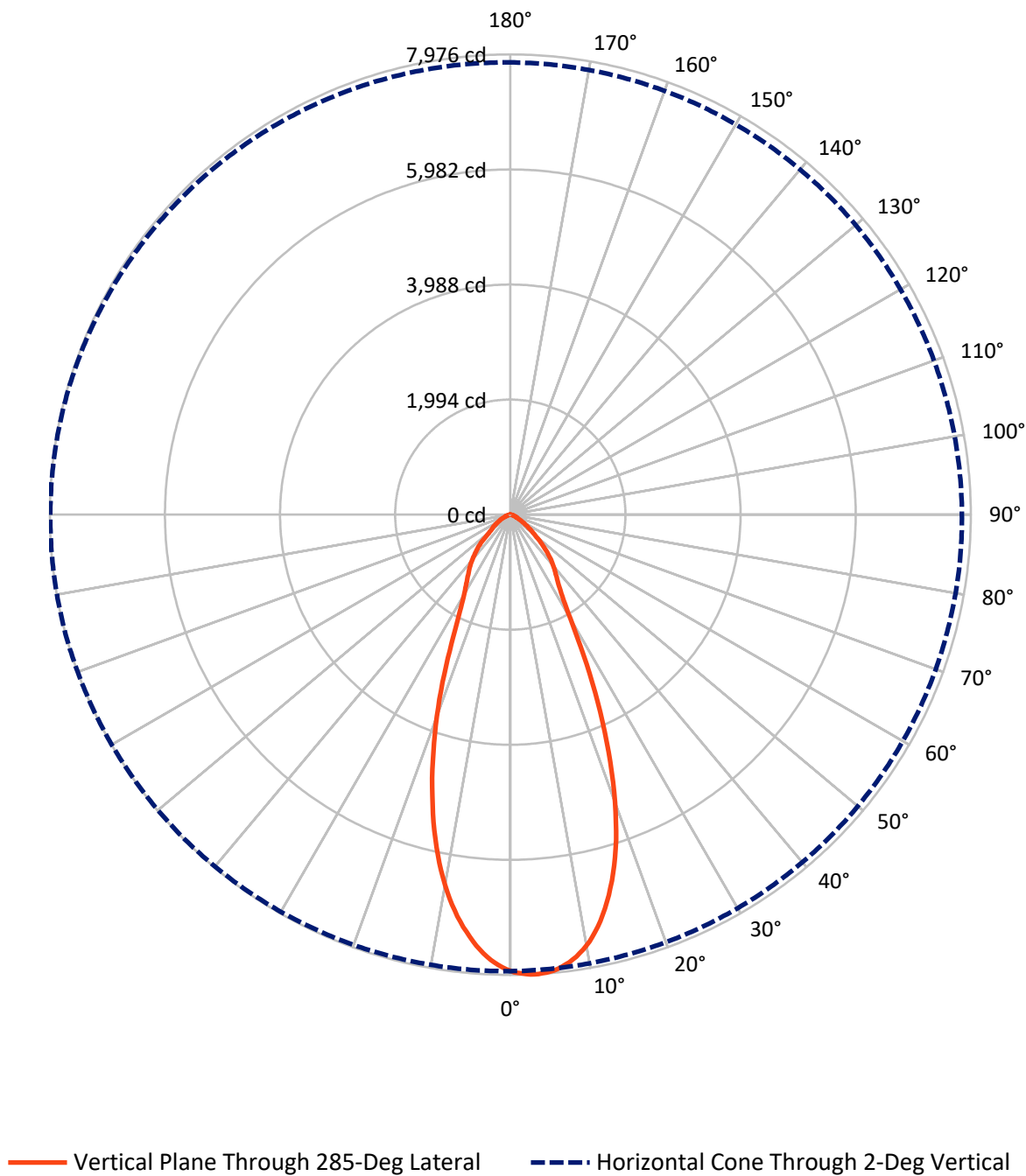
Based on 10 foot mounting height. Maximum calculated value = 79.3 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2847.4	0.0	2847.4
	% Fixture	48.6	0.0	48.6
Street Side	Lumens	3013.1	0.0	3013.1
	% Fixture	51.4	0.0	51.4
Total	Lumens	5860.5	0.0	5860.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	713.2	12.2
10°-20°	1685.8	28.8
20°-30°	1431.0	24.4
30°-40°	875.1	14.9
40°-50°	638.1	10.9
50°-60°	316.9	5.4
60°-70°	142.7	2.4
70°-80°	51.3	0.9
80°-90°	6.5	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°	5860.5	100.0
0°-180°	5860.5	100.0

Coefficient of Utilization



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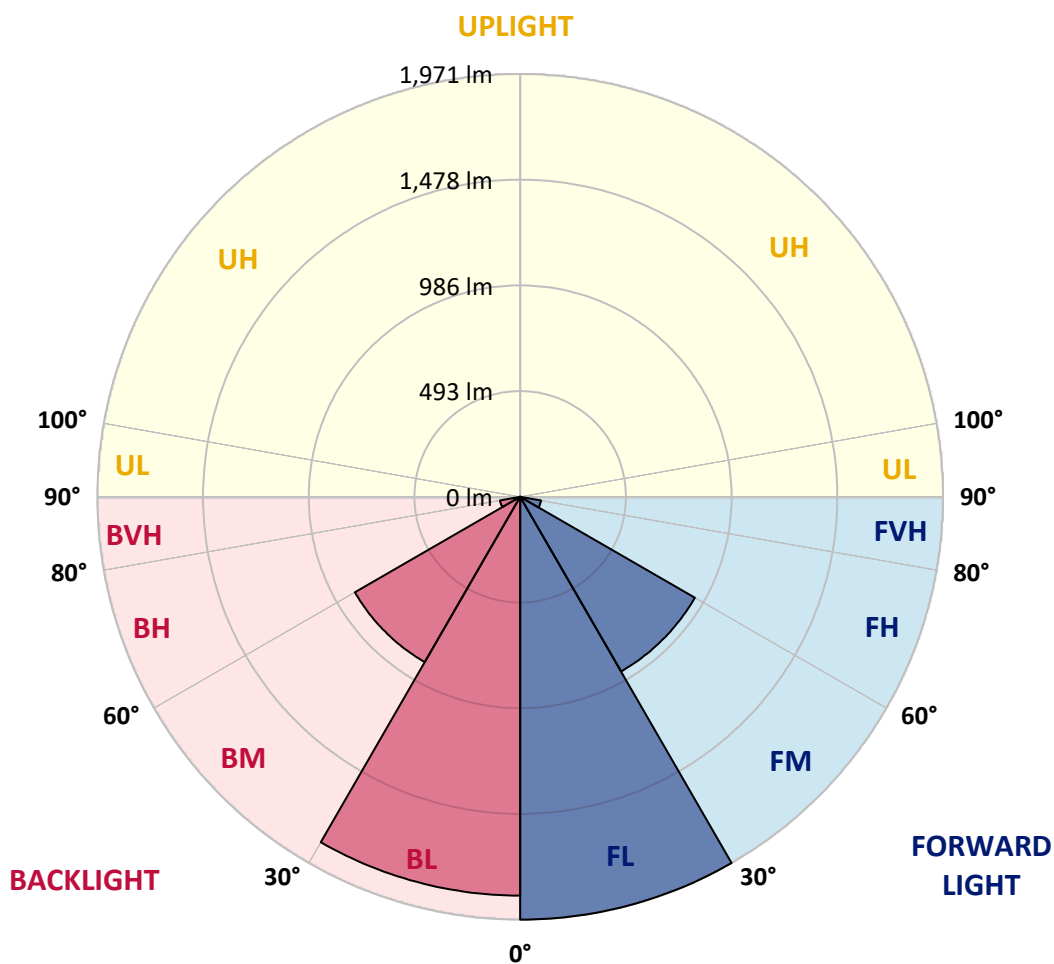
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1971.1	33.6			
FM	(30°-60°)	940.4	16.0			
FH	(60°-80°)	98.5	1.7			G0/660
FVH	(80°-90°)	3.1	0.1			G0/10
BL	(0°-30°)	1858.9	31.7	B3/2500		
BM	(30°-60°)	889.7	15.2	B1/1000		
BH	(60°-80°)	95.4	1.6	B0/110		G0/660
BVH	(80°-90°)	3.4	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



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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	7932.3	7932.3	7932.3	7932.3	7932.3	7932.3	7932.3	7932.3	7932.3	7932.3	7932.3
1°	7940.4	7928.6	7918.0	7909.2	7900.5	7893.7	7886.2	7878.1	7877.5	7879.3	7884.3
2°	7911.1	7889.3	7874.3	7862.5	7850.6	7835.7	7823.2	7810.8	7806.4	7808.3	7808.9
3°	7856.3	7830.1	7807.6	7790.2	7772.7	7755.3	7736.6	7724.1	7716.0	7715.4	7719.1
4°	7779.6	7743.4	7716.6	7699.2	7676.7	7658.7	7633.1	7617.5	7610.7	7611.3	7616.3
5°	7687.3	7652.4	7619.4	7590.7	7563.9	7542.7	7512.8	7493.5	7486.6	7492.8	7505.3
6°	7588.2	7548.9	7511.5	7472.9	7434.2	7404.3	7370.0	7347.6	7345.7	7362.6	7390.6
7°	7490.3	7445.5	7397.5	7343.2	7289.0	7250.3	7216.7	7193.6	7194.2	7221.7	7268.4
8°	7403.1	7347.0	7281.5	7206.7	7133.8	7082.7	7039.0	7021.0	7032.2	7075.2	7145.6
9°	7313.3	7247.9	7161.2	7060.2	6964.2	6897.5	6845.8	6831.4	6850.8	6913.7	7011.6
10°	7217.9	7140.0	7031.5	6906.9	6787.2	6701.8	6633.8	6624.5	6657.5	6741.7	6859.5
11°	7107.0	7021.0	6890.0	6742.9	6596.4	6485.5	6410.1	6400.7	6451.2	6552.8	6694.9
12°	6974.2	6875.7	6737.3	6562.8	6397.6	6261.7	6166.4	6163.1	6226.5	6349.6	6504.8
13°	6816.5	6711.1	6557.8	6366.4	6179.6	6016.7	5905.5	5906.0	5987.1	6126.2	6292.2
14°	6637.6	6516.6	6350.2	6153.9	5942.1	5757.9	5632.7	5635.2	5732.8	5883.4	6057.3
15°	6440.0	6310.3	6114.5	5918.8	5695.0	5486.5	5344.5	5353.6	5458.4	5622.0	5798.6
16°	6233.6	6075.7	5868.5	5666.5	5425.8	5203.0	5051.1	5057.2	5170.1	5347.3	5521.9
17°	6015.5	5832.2	5607.7	5395.2	5140.3	4906.1	4754.1	4761.9	4874.0	5051.4	5232.3
18°	5788.4	5584.3	5338.1	5109.4	4846.5	4609.9	4459.5	4458.2	4569.4	4746.7	4931.9
19°	5553.1	5326.2	5055.5	4806.6	4543.5	4308.1	4165.0	4162.2	4262.1	4423.2	4618.0
20°	5304.4	5051.1	4760.7	4499.5	4240.9	4014.2	3872.5	3867.4	3953.8	4093.4	4286.8
21°	5027.6	4750.5	4448.0	4188.2	3932.9	3718.6	3578.0	3570.0	3643.0	3760.9	3940.4
22°	4718.7	4440.2	4129.1	3872.6	3629.5	3421.1	3289.5	3276.7	3342.4	3432.9	3593.6
23°	4382.5	4102.8	3802.0	3551.9	3322.3	3127.4	3004.2	2985.5	3038.5	3112.7	3251.7
24°	4025.8	3758.0	3476.2	3237.4	3024.4	2845.9	2731.8	2710.9	2747.2	2802.8	2930.6
25°	3667.9	3423.4	3161.5	2937.9	2740.0	2584.8	2488.0	2456.1	2476.1	2518.6	2633.3
26°	3306.1	3090.1	2854.9	2650.2	2476.1	2350.0	2271.0	2235.7	2233.3	2266.3	2363.2
27°	2956.7	2777.0	2571.0	2386.8	2244.0	2150.2	2087.8	2049.7	2030.4	2047.1	2135.0
28°	2630.5	2486.5	2315.7	2156.8	2040.6	1977.4	1932.4	1891.1	1860.8	1867.4	1940.0
29°	2351.6	2238.6	2096.9	1961.5	1873.0	1831.7	1802.0	1760.7	1721.0	1718.2	1782.7
30°	2121.4	2028.9	1913.9	1797.2	1729.3	1710.3	1693.6	1651.0	1608.2	1597.4	1653.3
31°	1940.4	1865.6	1761.5	1659.7	1610.0	1609.5	1602.0	1561.5	1513.8	1498.0	1550.9
32°	1799.2	1733.8	1635.6	1548.6	1512.0	1524.4	1525.9	1482.9	1435.5	1415.7	1465.6
33°	1690.9	1630.5	1534.1	1453.9	1428.9	1451.8	1458.6	1415.7	1368.3	1344.0	1393.2
34°	1605.1	1548.7	1450.5	1373.6	1355.3	1387.9	1400.7	1356.3	1307.8	1283.1	1332.6
35°	1535.8	1480.1	1380.2	1303.0	1290.4	1328.6	1345.4	1300.5	1251.8	1226.4	1278.2
36°	1478.2	1421.6	1319.5	1239.1	1232.3	1275.0	1292.9	1248.8	1200.0	1175.0	1227.3
37°	1428.5	1368.8	1265.2	1183.2	1179.3	1223.5	1242.6	1201.0	1148.3	1123.5	1179.8
38°	1382.4	1318.2	1215.4	1132.3	1129.7	1173.2	1194.7	1153.2	1096.6	1072.0	1132.2
39°	1335.4	1267.8	1167.0	1082.8	1080.0	1122.3	1146.9	1105.3	1044.3	1018.9	1084.6
40°	1285.1	1217.4	1116.3	1031.9	1030.5	1068.6	1099.1	1053.9	993.7	967.0	1033.3
41°	1232.6	1165.4	1062.6	980.6	979.6	1014.3	1044.3	1003.5	940.2	916.0	980.6
42°	1176.0	1110.3	1007.4	928.9	927.4	956.3	986.8	948.9	886.3	864.4	927.4
43°	1116.4	1051.9	953.2	875.6	874.8	896.5	930.0	896.9	831.4	811.3	874.2
44°	1054.0	991.2	897.5	824.0	822.0	838.7	873.7	844.8	776.4	759.3	824.5

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CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	986.1	929.9	842.4	772.7	771.9	784.5	820.1	794.5	724.5	709.8	775.8
46°	917.3	869.7	787.3	722.9	722.7	731.3	762.1	739.2	671.9	667.2	730.3
47°	850.5	810.1	733.6	673.9	667.8	673.0	700.2	673.6	606.7	619.1	680.0
48°	788.1	752.8	676.9	618.4	610.6	618.4	641.9	607.7	541.3	560.3	618.2
49°	721.9	689.1	610.2	559.0	559.0	564.6	587.4	543.8	483.3	501.6	549.8
50°	661.0	622.8	554.1	500.6	507.4	518.9	539.5	488.2	422.5	428.0	488.7
51°	613.2	551.0	498.4	442.1	455.9	473.4	500.9	448.9	375.9	369.9	429.8
52°	553.8	501.3	442.6	401.9	416.5	437.2	466.5	419.4	342.9	322.7	388.1
53°	500.2	451.7	398.7	371.5	379.0	398.3	435.1	395.3	314.2	285.4	362.0
54°	446.7	417.8	368.0	351.1	344.5	359.3	399.5	376.2	290.0	249.4	333.7
55°	409.7	374.4	336.0	328.4	317.6	326.2	368.0	352.8	267.8	218.4	302.2
56°	367.4	337.6	309.0	301.4	299.2	301.0	341.1	330.6	246.8	193.6	269.8
57°	326.7	308.2	282.4	278.0	282.5	277.7	313.8	306.9	230.3	176.9	242.8
58°	287.5	279.9	258.6	255.9	259.6	251.1	287.1	289.7	213.9	164.7	218.8
59°	260.0	258.3	238.2	233.9	241.6	228.8	263.2	264.5	193.7	153.6	199.1
60°	232.6	243.1	219.6	213.9	222.2	201.0	243.1	239.3	178.1	143.7	182.2
61°	208.0	222.0	199.3	196.4	201.5	178.5	221.7	222.4	168.3	135.5	166.5
62°	185.9	198.7	180.7	179.9	183.3	165.4	202.6	206.6	155.8	127.3	153.2
63°	167.4	178.3	165.1	165.0	167.9	154.0	187.9	190.5	143.9	119.1	141.8
64°	149.9	163.2	151.6	151.9	154.4	141.0	172.4	172.2	132.6	111.9	131.2
65°	135.1	147.6	140.2	140.1	141.2	129.2	157.2	155.8	121.3	105.2	120.6
66°	122.7	133.8	128.7	128.7	128.8	118.7	142.8	141.0	111.4	98.3	110.7
67°	111.3	121.3	117.7	117.9	116.9	109.4	128.3	126.2	101.7	91.6	100.9
68°	100.7	109.1	106.7	106.9	105.3	100.3	113.9	111.4	92.2	85.1	91.2
69°	90.8	97.8	95.3	95.8	94.3	91.1	101.4	99.4	83.7	78.5	83.2
70°	81.3	87.0	85.1	85.4	84.1	82.5	91.5	89.3	76.0	72.1	80.1
71°	72.9	77.4	77.5	75.8	74.9	74.5	87.9	80.1	68.9	65.8	76.1
72°	64.7	68.7	76.0	67.3	66.5	67.0	78.6	71.4	62.2	59.5	68.4
73°	57.1	60.6	68.1	59.5	58.8	59.7	67.7	63.2	55.6	53.1	58.6
74°	50.5	53.2	57.7	52.6	52.0	53.1	58.0	55.5	49.3	47.0	50.6
75°	43.9	45.8	49.4	45.7	45.3	46.4	50.0	48.3	43.3	41.3	43.8
76°	37.3	38.4	41.2	38.8	38.6	39.8	43.2	41.7	37.6	35.8	37.4
77°	31.7	32.1	33.1	32.6	32.8	33.9	37.3	35.6	32.3	30.6	31.8
78°	26.1	26.0	27.6	27.1	27.7	28.6	32.1	30.0	27.3	25.4	26.7
79°	20.6	20.8	22.8	22.3	23.0	23.6	27.0	24.8	22.8	20.8	22.3
80°	16.0	16.2	18.1	18.0	18.4	19.1	22.0	20.1	18.5	16.9	18.3
81°	12.2	12.3	13.7	14.3	14.9	15.5	17.9	16.6	15.1	13.7	14.8
82°	9.1	9.3	10.5	10.7	11.4	12.1	14.4	13.1	11.7	10.6	11.3
83°	6.5	6.5	7.1	7.5	8.3	9.1	11.0	9.7	8.4	7.5	7.8
84°	4.5	4.6	5.0	5.4	6.1	6.7	7.6	7.1	6.2	5.5	5.4
85°	2.6	2.6	2.9	3.4	3.9	4.5	4.8	4.9	4.2	3.6	3.3
86°	0.7	0.7	0.8	1.3	1.8	2.7	2.6	2.6	2.2	1.9	1.7
87°	0.2	0.2	0.2	0.3	0.6	0.9	1.0	1.0	0.9	0.8	0.7
88°	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3
89°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1

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CATALOG NUMBER: XSF60-KNYK-5Hx5V-840-Position 3

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: P1440285

CATALOG NUMBER: XSF60-KNYK-5Hx5V-840-Position 3

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: P1440285
CATALOG NUMBER: XSF60-KNYK-5Hx5V-840-Position 3

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: P1440285

CATALOG NUMBER: XSF60-KNYK-5Hx5V-840-Position 3

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	7932.3	7932.3	7932.3	7932.3	7932.3	7932.3	7932.3	7932.3	7932.3	7932.3	7932.3
1°	7890.5	7903.6	7909.2	7923.0	7932.3	7943.5	7952.3	7956.6	7955.4	7960.4	7962.2
2°	7819.5	7837.6	7855.6	7879.9	7908.6	7934.2	7956.6	7969.7	7975.9	7971.6	7965.3
3°	7731.6	7749.7	7778.3	7814.5	7859.4	7903.0	7946.6	7964.7	7974.7	7966.6	7947.3
4°	7631.2	7653.7	7687.3	7732.8	7796.4	7858.8	7921.1	7949.1	7962.9	7941.7	7904.9
5°	7528.4	7553.9	7588.8	7640.6	7717.9	7800.2	7878.7	7921.7	7935.4	7901.8	7848.8
6°	7425.5	7451.7	7487.2	7548.3	7631.2	7727.8	7822.6	7878.7	7887.4	7848.2	7777.7
7°	7317.0	7355.1	7394.3	7453.6	7539.0	7643.1	7750.3	7815.1	7823.2	7775.2	7697.9
8°	7212.9	7261.6	7305.2	7365.0	7446.7	7550.8	7662.4	7735.9	7745.9	7691.1	7606.3
9°	7101.4	7159.3	7215.4	7275.3	7351.3	7446.7	7558.3	7633.7	7643.7	7589.5	7505.3
10°	6969.8	7041.5	7107.6	7178.0	7245.4	7328.3	7431.7	7510.9	7524.0	7471.6	7406.2
11°	6820.9	6901.9	6982.3	7065.2	7133.8	7193.6	7282.8	7360.1	7378.8	7337.0	7296.5
12°	6645.7	6733.0	6827.1	6934.3	7006.0	7049.0	7115.1	7186.1	7209.8	7187.4	7178.0
13°	6442.5	6534.1	6645.7	6780.3	6862.6	6878.8	6931.2	6994.8	7019.7	7019.1	7045.3
14°	6215.7	6319.7	6438.7	6600.2	6691.8	6699.3	6724.9	6782.2	6810.3	6835.2	6895.0
15°	5974.0	6093.4	6221.2	6395.1	6502.3	6498.6	6504.2	6545.9	6587.1	6634.5	6724.2
16°	5720.7	5863.9	5990.2	6163.1	6273.5	6267.9	6262.9	6287.3	6339.6	6418.2	6529.7
17°	5461.2	5634.2	5761.8	5911.4	6017.9	6020.4	5997.4	6004.6	6071.9	6174.9	6299.1
18°	5184.1	5393.9	5523.1	5645.4	5736.5	5746.9	5709.5	5702.5	5778.5	5917.8	6041.0
19°	4887.0	5127.0	5268.7	5364.7	5429.4	5446.4	5398.2	5380.6	5468.5	5629.8	5749.7
20°	4564.1	4827.1	4980.2	5061.3	5096.8	5122.4	5067.6	5044.1	5135.6	5313.2	5439.9
21°	4218.3	4489.3	4655.5	4725.2	4743.1	4782.4	4721.9	4699.9	4793.7	4979.8	5103.9
22°	3857.1	4128.7	4301.8	4362.3	4380.7	4423.4	4370.7	4351.6	4449.0	4629.1	4753.9
23°	3499.1	3758.0	3931.7	3978.7	3998.6	4055.5	4015.4	4004.2	4098.1	4270.8	4384.1
24°	3148.5	3388.9	3548.0	3603.4	3626.9	3683.6	3660.5	3655.3	3752.5	3906.2	4010.0
25°	2825.5	3028.8	3182.5	3234.4	3256.1	3329.9	3309.1	3312.7	3411.8	3549.9	3637.0
26°	2525.6	2694.6	2829.4	2886.3	2909.8	2969.1	2963.1	2977.1	3073.1	3194.8	3276.2
27°	2269.7	2409.9	2524.7	2578.7	2594.5	2642.8	2642.1	2663.2	2753.0	2860.9	2931.2
28°	2053.5	2166.3	2253.8	2300.3	2311.1	2341.4	2350.0	2376.2	2451.4	2545.7	2611.9
29°	1883.4	1980.2	2043.8	2072.3	2069.3	2082.7	2098.8	2133.8	2192.9	2265.6	2326.0
30°	1749.7	1833.3	1874.6	1881.6	1866.1	1870.0	1895.8	1936.0	1978.4	2024.6	2074.5
31°	1643.7	1722.4	1749.2	1732.7	1703.0	1702.6	1736.4	1780.1	1809.4	1828.6	1871.5
32°	1560.2	1633.4	1645.6	1611.0	1574.0	1569.5	1610.3	1656.7	1676.0	1676.7	1705.2
33°	1491.8	1561.5	1567.0	1515.1	1467.5	1465.9	1509.1	1558.7	1568.5	1552.8	1572.6
34°	1432.7	1504.4	1498.3	1436.5	1383.1	1381.1	1427.8	1478.7	1483.2	1454.2	1466.7
35°	1381.9	1455.6	1440.0	1369.2	1309.6	1310.2	1358.5	1410.5	1411.7	1373.2	1378.6
36°	1335.2	1411.4	1388.4	1309.4	1246.5	1248.3	1298.5	1353.0	1349.6	1303.4	1305.9
37°	1289.6	1368.3	1339.1	1255.1	1194.6	1197.2	1245.8	1299.9	1292.4	1241.9	1242.6
38°	1242.0	1323.0	1290.7	1205.8	1142.6	1146.1	1199.0	1252.0	1239.8	1186.0	1186.4
39°	1192.6	1276.1	1241.1	1156.5	1090.6	1095.0	1152.2	1204.7	1190.3	1133.3	1133.7
40°	1143.2	1226.3	1186.9	1107.2	1037.7	1043.1	1105.3	1155.3	1138.1	1081.5	1082.0
41°	1093.8	1174.4	1132.7	1053.4	984.9	991.3	1054.4	1103.4	1084.8	1030.0	1031.2
42°	1035.7	1122.3	1078.2	995.5	931.7	938.7	1000.9	1049.1	1027.9	976.7	979.0
43°	978.7	1064.6	1016.2	937.4	877.1	886.0	946.3	990.2	967.3	923.7	925.4
44°	922.5	1006.0	954.7	876.6	821.0	831.8	891.5	930.6	903.7	868.3	872.1

REPORT NUMBER: P1440285

CATALOG NUMBER: XSF60-KNYK-5Hx5V-840-Position 3

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	869.2	949.3	893.4	817.3	764.6	773.6	835.7	872.3	839.0	812.5	818.7
46°	817.0	894.5	837.8	762.2	711.8	717.3	781.4	816.0	775.2	754.9	766.6
47°	759.4	832.7	781.0	713.0	662.8	663.2	727.7	764.4	718.4	699.9	716.4
48°	693.6	768.7	713.3	652.3	608.5	605.2	669.5	708.6	659.5	648.0	667.9
49°	634.1	710.5	647.4	583.2	540.1	535.7	606.1	650.9	599.8	593.8	610.6
50°	583.9	671.1	598.4	521.2	467.2	474.2	538.9	590.9	554.3	539.2	555.9
51°	537.5	620.9	562.4	470.3	400.0	420.9	479.4	547.5	508.9	484.7	491.6
52°	500.3	569.3	520.4	414.3	340.1	365.0	434.0	504.3	463.6	430.1	427.0
53°	478.3	539.9	497.1	386.8	305.7	329.1	404.6	461.1	425.6	390.5	389.2
54°	450.6	512.7	472.4	355.5	269.9	302.8	383.3	422.5	387.7	358.7	360.2
55°	422.2	477.2	434.3	321.8	234.8	278.9	366.1	387.5	352.1	331.8	333.1
56°	382.2	437.0	393.2	290.1	205.9	259.3	347.8	358.7	321.6	310.9	308.8
57°	344.3	394.8	355.5	260.0	186.3	243.4	323.6	327.6	290.8	291.6	285.2
58°	316.4	358.5	322.0	233.1	172.9	228.8	299.9	298.7	259.3	265.0	263.7
59°	286.4	329.4	290.9	212.2	161.2	208.7	284.0	276.1	242.0	243.1	243.3
60°	255.0	297.8	260.2	196.5	150.8	188.4	259.9	252.9	218.4	229.1	224.5
61°	229.4	264.9	232.1	177.8	141.1	172.9	233.4	228.7	192.2	210.2	206.7
62°	207.3	236.1	206.6	159.9	132.5	160.9	213.7	210.8	173.3	191.0	189.7
63°	186.4	209.6	185.9	145.5	123.9	149.1	198.3	195.1	157.0	172.8	174.4
64°	170.5	187.1	167.7	133.9	116.5	137.9	180.6	179.2	142.9	157.5	159.9
65°	155.0	166.7	152.3	122.3	109.5	126.7	164.1	164.4	131.7	144.6	146.5
66°	140.7	149.9	138.7	112.9	102.6	115.6	149.1	150.4	121.4	132.3	134.5
67°	126.3	133.0	125.1	103.7	95.7	106.1	134.6	136.7	112.3	120.8	123.1
68°	112.1	116.3	111.5	94.4	88.9	97.6	120.2	123.5	103.4	109.6	111.6
69°	99.7	101.9	99.3	85.7	82.4	89.1	108.2	111.1	94.8	98.7	100.1
70°	87.3	89.4	88.1	78.7	76.0	80.9	97.0	99.3	86.4	88.4	89.3
71°	76.5	78.7	77.9	73.9	69.5	73.1	87.1	88.9	78.2	78.4	79.6
72°	66.9	69.0	68.7	70.5	63.2	66.1	77.9	81.9	70.7	69.8	70.8
73°	58.2	59.9	60.1	62.3	56.7	59.5	69.3	75.1	63.5	61.9	62.7
74°	49.9	51.6	51.9	53.0	50.4	53.0	61.1	64.8	56.6	55.1	55.7
75°	42.6	44.3	44.4	45.4	44.3	46.8	53.3	55.2	50.2	48.3	48.4
76°	36.2	37.7	37.8	38.6	38.6	41.0	45.8	47.6	43.7	41.5	41.2
77°	30.5	31.9	31.9	32.9	33.1	35.3	39.3	39.9	37.3	35.5	34.9
78°	25.4	26.7	26.5	27.8	27.8	29.9	33.3	33.9	31.7	30.1	29.2
79°	20.8	22.0	21.8	23.5	23.0	25.2	28.0	28.7	26.6	25.4	24.2
80°	16.8	17.8	17.5	19.3	18.8	20.8	23.0	23.5	21.7	20.7	19.8
81°	13.8	14.8	14.5	15.7	15.4	17.1	18.6	19.0	17.3	16.6	15.8
82°	10.9	11.8	11.4	12.2	12.0	13.4	15.2	15.3	13.7	13.0	12.0
83°	8.0	8.7	8.3	8.7	8.7	9.7	11.9	11.9	10.3	9.6	8.5
84°	6.5	7.1	6.8	6.2	6.9	7.6	8.5	8.6	7.9	7.1	5.8
85°	4.6	5.0	4.9	3.9	5.0	5.6	6.2	5.7	5.9	5.1	3.9
86°	2.4	2.6	2.7	2.1	2.9	3.5	3.9	3.7	3.8	3.1	2.0
87°	0.8	0.9	1.0	0.9	1.2	1.5	1.7	1.6	1.7	1.1	0.6
88°	0.4	0.4	0.4	0.4	0.4	0.5	0.6	0.5	0.5	0.3	0.2
89°	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1

REPORT NUMBER: P1440285

CATALOG NUMBER: XSF60-KNYK-5Hx5V-840-Position 3

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: P1440285

CATALOG NUMBER: XSF60-KNYK-5Hx5V-840-Position 3

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: P1440285
CATALOG NUMBER: XSF60-KNYK-5Hx5V-840-Position 3

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: P1440285

CATALOG NUMBER: XSF60-KNYK-5Hx5V-840-Position 3

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	7932.3	7932.3	7932.3
1°	7952.9	7949.8	7940.4
2°	7947.3	7928.6	7911.1
3°	7914.9	7883.7	7856.3
4°	7856.9	7812.6	7779.6
5°	7783.3	7726.0	7687.3
6°	7700.4	7633.7	7588.2
7°	7609.4	7540.2	7490.3
8°	7516.5	7449.2	7403.1
9°	7429.3	7363.2	7313.3
10°	7338.9	7274.7	7217.9
11°	7243.5	7176.2	7107.0
12°	7142.5	7062.1	6974.2
13°	7019.1	6918.1	6816.5
14°	6873.2	6752.9	6637.6
15°	6698.7	6566.5	6440.0
16°	6501.7	6365.8	6233.6
17°	6285.4	6151.5	6015.5
18°	6043.3	5926.1	5788.4
19°	5781.8	5693.9	5553.1
20°	5499.8	5451.0	5304.4
21°	5192.6	5179.7	5027.6
22°	4866.6	4875.5	4718.7
23°	4505.8	4541.6	4382.5
24°	4132.3	4176.5	4025.8
25°	3758.0	3805.6	3667.9
26°	3384.7	3426.3	3306.1
27°	3028.6	3060.8	2956.7
28°	2693.7	2713.5	2630.5
29°	2392.6	2406.6	2351.6
30°	2134.5	2147.6	2121.4
31°	1925.6	1949.5	1940.4
32°	1760.6	1795.1	1799.2
33°	1630.1	1676.4	1690.9
34°	1526.9	1585.2	1605.1
35°	1442.4	1511.0	1535.8
36°	1374.6	1451.7	1478.2
37°	1316.2	1400.5	1428.5
38°	1261.9	1353.1	1382.4
39°	1209.2	1304.5	1335.4
40°	1157.1	1252.4	1285.1
41°	1104.2	1199.2	1232.6
42°	1047.6	1143.9	1176.0
43°	993.1	1087.6	1116.4
44°	938.6	1027.6	1054.0

REPORT NUMBER: P1440285

CATALOG NUMBER: XSF60-KNYK-5Hx5V-840-Position 3

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	882.8	965.4	986.1
46°	826.9	902.0	917.3
47°	770.2	840.2	850.5
48°	715.7	778.8	788.1
49°	658.2	713.6	721.9
50°	591.2	647.0	661.0
51°	535.2	574.9	613.2
52°	479.3	524.0	553.8
53°	423.4	473.7	500.2
54°	385.7	423.4	446.7
55°	354.9	392.4	409.7
56°	332.4	361.7	367.4
57°	305.2	325.9	326.7
58°	278.9	294.6	287.5
59°	255.3	268.4	260.0
60°	233.5	239.8	232.6
61°	214.4	214.6	208.0
62°	195.1	195.4	185.9
63°	176.5	177.4	167.4
64°	160.4	161.0	149.9
65°	146.2	145.6	135.1
66°	132.1	132.0	122.7
67°	118.4	120.5	111.3
68°	106.2	109.3	100.7
69°	94.7	98.7	90.8
70°	85.0	88.4	81.3
71°	76.2	79.0	72.9
72°	69.9	70.4	64.7
73°	66.8	62.0	57.1
74°	59.4	54.6	50.5
75°	49.6	47.3	43.9
76°	41.3	39.9	37.3
77°	35.6	33.6	31.7
78°	29.9	27.6	26.1
79°	24.2	22.1	20.6
80°	19.4	17.2	16.0
81°	14.9	13.0	12.2
82°	11.1	9.5	9.1
83°	7.9	6.9	6.5
84°	5.7	4.9	4.5
85°	3.4	2.9	2.6
86°	1.2	0.9	0.7
87°	0.3	0.2	0.2
88°	0.1	0.1	0.1
89°	0.0	0.0	0.0

REPORT NUMBER: P1440285

CATALOG NUMBER: XSF60-KNYK-5Hx5V-840-Position 3

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: P1440285

CATALOG NUMBER: XSF60-KNYK-5Hx5V-840-Position 3

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: P1440285

CATALOG NUMBER: XSF60-KNYK-5Hx5V-840-Position 3

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)