

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: P1440287

Luminaire Tested: XSF60-KNYK-5Hx5V-850-Position 1

Issue Date: 04/15/2026

Test Information

Test Method: LM-79-2024
Report Number: P1440287
Test Lab: THIRD PARTY NVLAP
Issue Date: 7/15/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XSF60-KNYK-5Hx5V-850-Position 1
Description: LUMARK ALL SELECTABLE LUMINAIRE 60W w/ NEMA 5 FLOOD DISTRIBUTION 5000K CCT 80 CRI LIGHT ENGINE AT Position 1
Light Source: (1) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9974.5 lumens
Efficiency: N/A
Efficacy: 158.3 lumens/watt
Luminous Opening: Rectangular (W 0.3' x L: 0.3' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

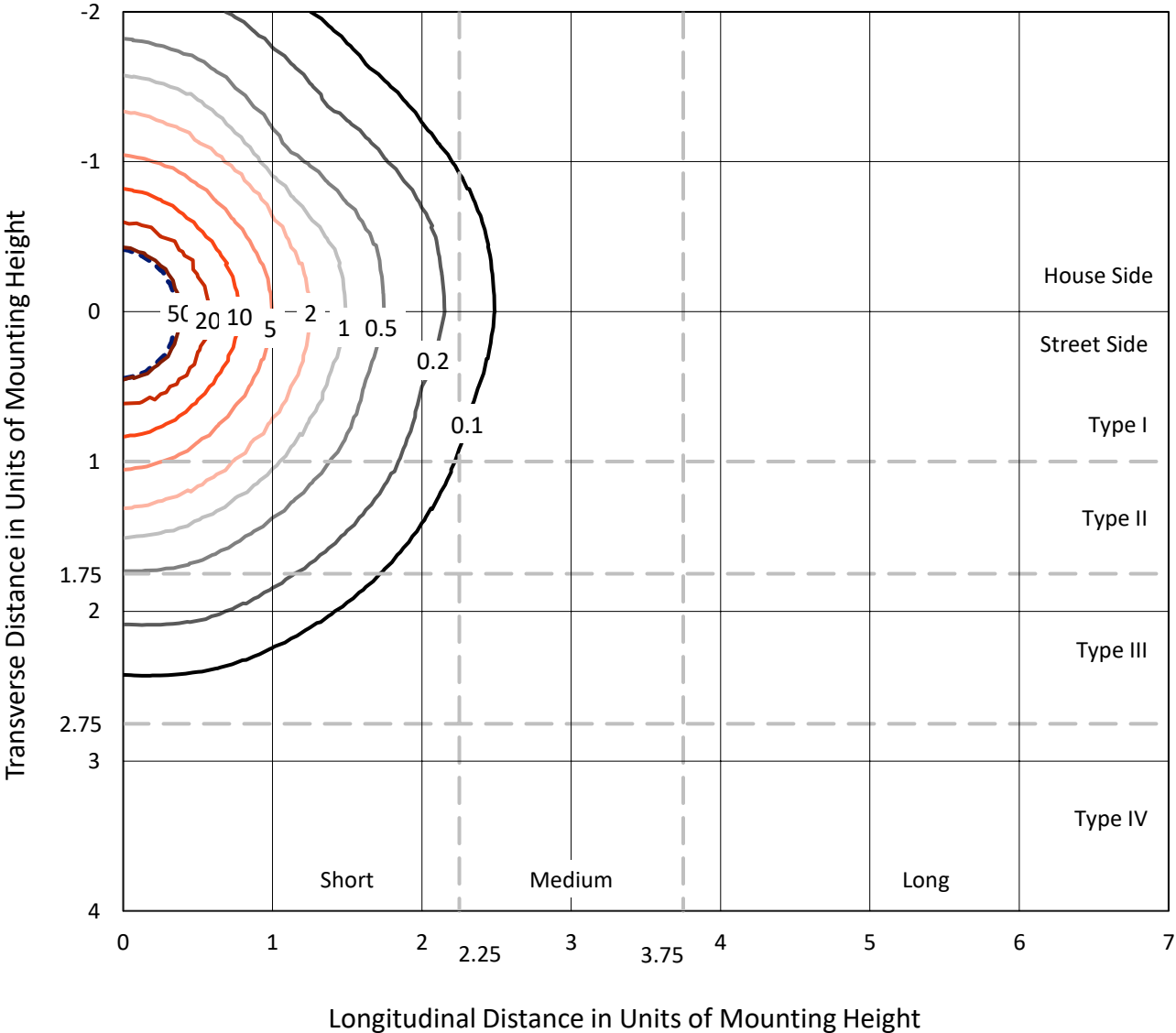
Input Watts (W): 63
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P1440287
CATALOG NUMBER: XSF60-KNYK-5Hx5V-850-Position 1

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

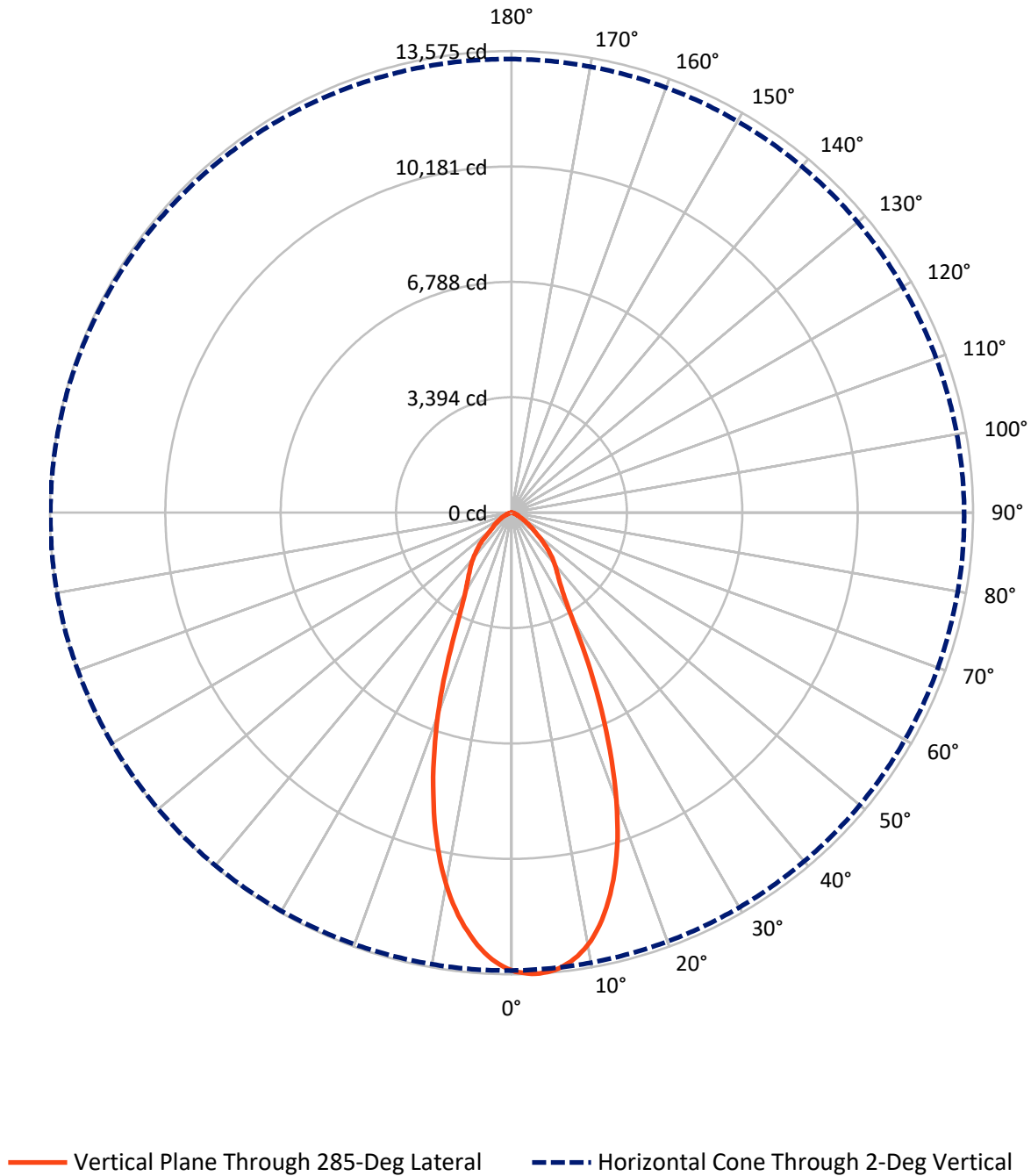


Based on 10 foot mounting height. Maximum calculated value = 135 fc
Type V - Short - N/A

REPORT NUMBER: P1440287

CATALOG NUMBER: XSF60-KNYK-5Hx5V-850-Position 1

Luminous Intensity Polar Plot



REPORT NUMBER: P1440287

CATALOG NUMBER: XSF60-KNYK-5Hx5V-850-Position 1

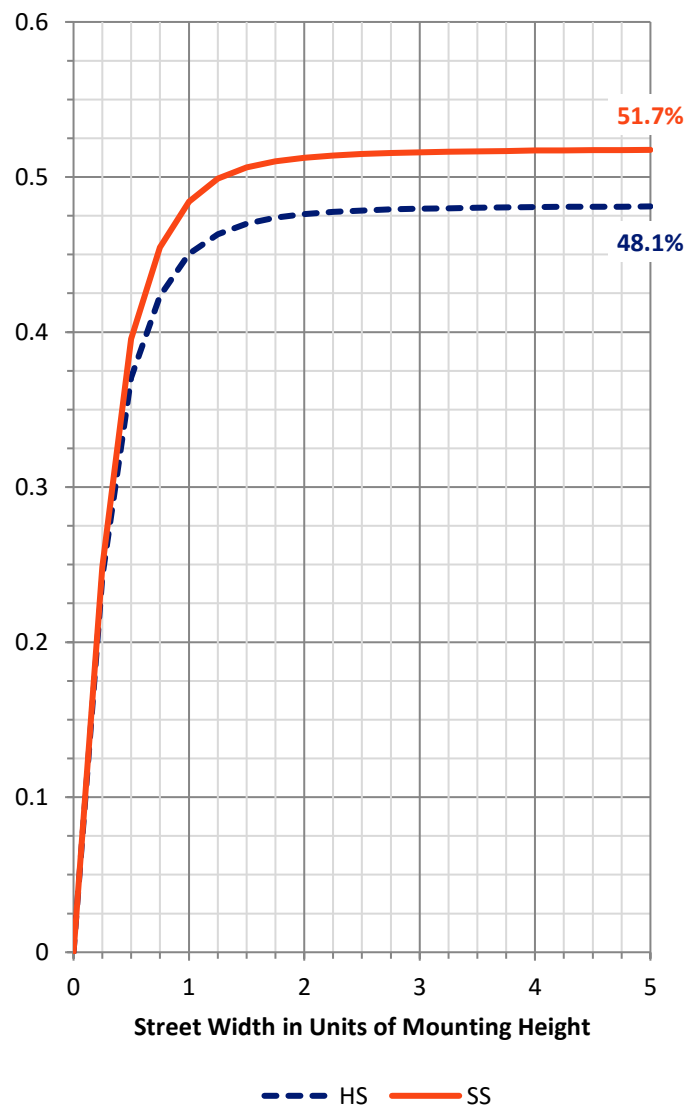
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4846.2	0.0	4846.2
	% Fixture	48.6	0.0	48.6
Street Side	Lumens	5128.3	0.0	5128.3
	% Fixture	51.4	0.0	51.4
Total	Lumens	9974.5	0.0	9974.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1213.9	12.2
10°-20°	2869.2	28.8
20°-30°	2435.5	24.4
30°-40°	1489.4	14.9
40°-50°	1086.1	10.9
50°-60°	539.3	5.4
60°-70°	242.8	2.4
70°-80°	87.3	0.9
80°-90°	11.0	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	9974.5	100.0
0°-180°	9974.5	100.0

Coefficient of Utilization



REPORT NUMBER: P1440287

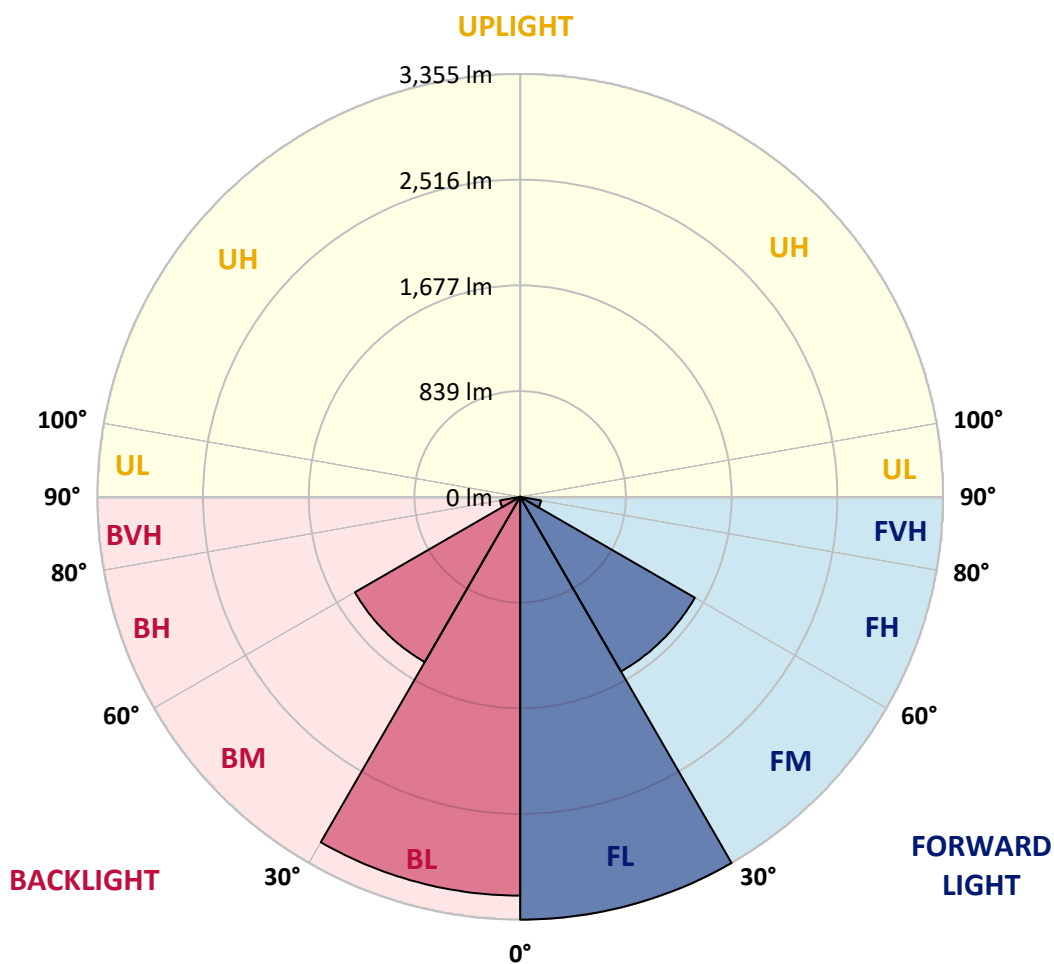
CATALOG NUMBER: XSF60-KNYK-5Hx5V-850-Position 1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3354.8	33.6			
FM	(30°-60°)	1600.6	16.0			
FH	(60°-80°)	167.7	1.7			G0/660
FVH	(80°-90°)	5.2	0.1			G0/10
BL	(0°-30°)	3163.9	31.7	B4/5000		
BM	(30°-60°)	1514.2	15.2	B2/2500		
BH	(60°-80°)	162.4	1.6	B1/500		G0/660
BVH	(80°-90°)	5.8	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0

Type V Short



REPORT NUMBER: P1440287

CATALOG NUMBER: XSF60-KNYK-5Hx5V-850-Position 1

CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	13500.7	13500.7	13500.7	13500.7	13500.7	13500.7	13500.7	13500.7	13500.7	13500.7	13500.7
1°	13514.5	13494.3	13476.3	13461.4	13446.6	13434.9	13422.2	13408.4	13407.3	13410.5	13419.0
2°	13464.6	13427.5	13402.0	13381.9	13361.7	13336.2	13315.0	13293.8	13286.4	13289.6	13290.6
3°	13371.3	13326.7	13288.5	13258.8	13229.1	13199.4	13167.6	13146.3	13132.5	13131.5	13137.8
4°	13240.8	13179.2	13133.6	13103.9	13065.7	13034.9	12991.4	12964.9	12953.2	12954.3	12962.8
5°	13083.7	13024.3	12968.1	12919.3	12873.7	12837.6	12786.7	12753.8	12742.1	12752.7	12773.9
6°	12915.0	12848.2	12784.5	12718.8	12653.0	12602.1	12543.7	12505.5	12502.3	12531.0	12578.7
7°	12748.5	12672.1	12590.4	12498.1	12405.8	12340.0	12282.7	12243.5	12244.5	12291.2	12370.8
8°	12599.9	12504.5	12393.1	12265.7	12141.6	12054.6	11980.3	11949.6	11968.7	12041.9	12161.8
9°	12447.2	12335.8	12188.3	12016.4	11853.0	11739.5	11651.4	11627.0	11659.9	11767.1	11933.7
10°	12284.8	12152.2	11967.6	11755.4	11551.7	11406.4	11290.7	11274.8	11331.0	11474.3	11674.8
11°	12096.0	11949.6	11726.8	11476.4	11227.1	11038.2	10909.8	10893.9	10979.9	11152.8	11394.7
12°	11870.0	11702.4	11466.8	11169.8	10888.6	10657.3	10495.2	10489.5	10597.5	10806.9	11071.1
13°	11601.6	11422.3	11161.3	10835.6	10517.6	10240.4	10051.1	10051.9	10190.0	10426.7	10709.3
14°	11297.1	11091.3	10808.0	10473.8	10113.4	9799.9	9586.7	9591.1	9757.1	10013.5	10309.4
15°	10960.8	10740.1	10406.7	10073.8	9692.8	9337.9	9096.2	9111.8	9290.1	9568.6	9869.1
16°	10609.6	10340.8	9988.1	9644.3	9234.7	8855.4	8596.9	8607.3	8799.4	9101.1	9398.3
17°	10238.4	9926.3	9544.2	9182.5	8748.7	8350.1	8091.4	8104.8	8295.4	8597.4	8905.4
18°	9851.8	9504.4	9085.4	8696.1	8248.6	7846.0	7590.0	7587.9	7777.1	8078.8	8394.1
19°	9451.2	9065.1	8604.4	8180.8	7733.0	7332.4	7088.8	7084.0	7254.1	7528.2	7859.8
20°	9028.0	8596.8	8102.6	7658.1	7217.9	6832.0	6591.0	6582.2	6729.3	6967.0	7296.1
21°	8556.8	8085.4	7570.4	7128.3	6693.7	6329.0	6089.8	6076.1	6200.3	6401.1	6706.5
22°	8031.2	7557.2	7027.7	6591.1	6177.3	5822.6	5598.7	5576.9	5688.6	5842.8	6116.3
23°	7459.0	6982.9	6471.0	6045.3	5654.5	5322.8	5113.2	5081.4	5171.4	5297.8	5534.3
24°	6851.9	6396.0	5916.4	5510.0	5147.6	4843.7	4649.5	4613.9	4675.7	4770.4	4987.9
25°	6242.8	5826.6	5380.9	5000.3	4663.4	4399.3	4234.5	4180.3	4214.3	4286.6	4481.8
26°	5627.0	5259.4	4859.0	4510.7	4214.3	3999.6	3865.3	3805.1	3801.0	3857.2	4022.2
27°	5032.3	4726.5	4375.8	4062.3	3819.3	3659.6	3553.4	3488.6	3455.6	3484.1	3633.8
28°	4477.0	4232.0	3941.4	3670.8	3473.0	3365.5	3288.9	3218.6	3167.1	3178.3	3301.8
29°	4002.5	3810.1	3569.0	3338.5	3187.9	3117.5	3067.0	2996.7	2929.1	2924.4	3034.1
30°	3610.5	3453.2	3257.5	3058.7	2943.3	2910.8	2882.5	2809.9	2737.1	2718.8	2813.9
31°	3302.6	3175.2	2998.1	2824.8	2740.1	2739.4	2726.7	2657.7	2576.4	2549.6	2639.7
32°	3062.2	2950.8	2783.8	2635.6	2573.4	2594.6	2597.0	2523.9	2443.2	2409.4	2494.4
33°	2877.8	2775.1	2611.0	2474.6	2432.0	2470.9	2482.5	2409.4	2328.8	2287.4	2371.2
34°	2731.9	2635.8	2468.7	2337.8	2306.7	2362.1	2384.0	2308.3	2225.9	2183.8	2268.1
35°	2613.9	2519.0	2349.1	2217.7	2196.2	2261.3	2289.9	2213.5	2130.5	2087.3	2175.5
36°	2515.9	2419.5	2245.7	2108.9	2097.4	2170.0	2200.4	2125.4	2042.5	1999.8	2088.9
37°	2431.3	2329.8	2153.3	2013.8	2007.1	2082.3	2114.8	2044.1	1954.4	1912.2	2008.0
38°	2352.8	2243.5	2068.6	1927.2	1922.8	1996.7	2033.4	1962.8	1866.3	1824.5	1927.0
39°	2272.9	2157.8	1986.2	1842.9	1838.2	1910.1	1952.1	1881.3	1777.4	1734.1	1846.0
40°	2187.2	2071.9	1899.9	1756.3	1754.0	1818.7	1870.6	1793.8	1691.3	1645.9	1758.6
41°	2097.8	1983.5	1808.6	1669.0	1667.3	1726.3	1777.3	1707.9	1600.1	1559.1	1669.0
42°	2001.5	1889.7	1714.6	1581.0	1578.5	1627.6	1679.5	1615.1	1508.5	1471.2	1578.5
43°	1900.1	1790.4	1622.3	1490.3	1488.8	1525.9	1582.8	1526.5	1415.1	1380.8	1487.9
44°	1793.9	1687.0	1527.5	1402.5	1399.0	1427.4	1487.0	1437.9	1321.4	1292.2	1403.2

REPORT NUMBER: P1440287

CATALOG NUMBER: XSF60-KNYK-5Hx5V-850-Position 1

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	1678.3	1582.6	1433.7	1315.2	1313.8	1335.2	1395.8	1352.2	1233.2	1208.1	1320.5
46°	1561.2	1480.2	1340.0	1230.4	1230.1	1244.6	1297.0	1258.1	1143.6	1135.5	1242.9
47°	1447.5	1378.7	1248.5	1146.9	1136.6	1145.4	1191.8	1146.5	1032.6	1053.7	1157.3
48°	1341.3	1281.2	1152.1	1052.6	1039.2	1052.6	1092.6	1034.4	921.3	953.6	1052.2
49°	1228.6	1172.9	1038.6	951.4	951.4	961.0	999.7	925.5	822.6	853.7	935.7
50°	1124.9	1060.0	943.1	851.9	863.7	883.2	918.2	830.9	719.1	728.5	831.8
51°	1043.6	937.8	848.2	752.5	775.9	805.7	852.5	764.0	639.8	629.6	731.5
52°	942.6	853.2	753.3	684.0	708.8	744.0	794.0	713.9	583.7	549.2	660.5
53°	851.3	768.7	678.6	632.3	645.0	677.9	740.5	672.9	534.7	485.8	616.0
54°	760.4	711.1	626.4	597.5	586.3	611.5	679.9	640.2	493.6	424.5	568.0
55°	697.3	637.2	571.9	558.9	540.5	555.2	626.3	600.4	455.8	371.6	514.3
56°	625.3	574.6	525.9	513.1	509.2	512.3	580.6	562.6	420.1	329.5	459.3
57°	556.1	524.6	480.6	473.2	480.8	472.6	534.1	522.4	391.9	301.0	413.2
58°	489.2	476.4	440.2	435.5	441.8	427.4	488.6	493.1	364.0	280.2	372.4
59°	442.5	439.7	405.3	398.2	411.1	389.4	448.0	450.2	329.7	261.5	338.8
60°	395.9	413.8	373.8	364.0	378.2	342.1	413.8	407.3	303.1	244.6	310.2
61°	354.0	377.8	339.3	334.2	343.0	303.9	377.3	378.5	286.4	230.6	283.4
62°	316.4	338.2	307.6	306.1	312.0	281.5	344.8	351.5	265.3	216.6	260.7
63°	284.9	303.4	281.1	280.8	285.8	262.1	319.7	324.3	245.0	202.6	241.4
64°	255.2	277.8	258.1	258.5	262.8	240.0	293.5	293.1	225.7	190.5	223.3
65°	230.0	251.3	238.5	238.4	240.3	219.9	267.5	265.1	206.5	179.0	205.2
66°	208.8	227.6	219.0	219.1	219.2	202.0	243.0	239.9	189.6	167.4	188.5
67°	189.4	206.4	200.4	200.7	199.0	186.1	218.4	214.7	173.1	155.9	171.7
68°	171.3	185.7	181.6	181.9	179.2	170.7	193.9	189.6	157.0	144.8	155.2
69°	154.6	166.5	162.3	163.0	160.6	155.1	172.6	169.2	142.5	133.6	141.6
70°	138.3	148.0	144.9	145.4	143.1	140.3	155.7	152.0	129.3	122.8	136.3
71°	124.0	131.7	132.0	129.1	127.5	126.8	149.7	136.3	117.2	111.9	129.5
72°	110.1	116.9	129.4	114.6	113.2	114.1	133.7	121.6	105.9	101.3	116.4
73°	97.2	103.1	115.9	101.3	100.0	101.7	115.3	107.6	94.6	90.3	99.7
74°	85.9	90.6	98.1	89.5	88.6	90.3	98.8	94.5	83.9	79.9	86.2
75°	74.7	78.0	84.1	77.8	77.1	79.0	85.1	82.1	73.7	70.3	74.5
76°	63.4	65.4	70.2	66.1	65.7	67.7	73.6	70.9	63.9	60.9	63.7
77°	53.9	54.7	56.3	55.5	55.9	57.7	63.4	60.5	54.9	52.0	54.1
78°	44.4	44.3	47.0	46.2	47.2	48.6	54.6	51.0	46.5	43.2	45.4
79°	35.0	35.4	38.7	37.9	39.1	40.2	45.9	42.1	38.8	35.4	38.0
80°	27.3	27.5	30.9	30.6	31.3	32.5	37.4	34.3	31.6	28.7	31.1
81°	20.8	20.9	23.4	24.3	25.4	26.4	30.4	28.3	25.8	23.4	25.2
82°	15.5	15.8	17.9	18.2	19.4	20.7	24.6	22.4	20.0	18.0	19.2
83°	11.0	11.1	12.1	12.7	14.0	15.4	18.7	16.4	14.2	12.7	13.3
84°	7.7	7.8	8.6	9.2	10.3	11.3	12.9	12.0	10.6	9.3	9.2
85°	4.5	4.5	5.0	5.7	6.7	7.7	8.2	8.3	7.1	6.1	5.6
86°	1.2	1.2	1.4	2.2	3.1	4.6	4.4	4.4	3.8	3.2	2.9
87°	0.3	0.4	0.4	0.5	1.0	1.5	1.7	1.7	1.5	1.3	1.2
88°	0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.4	0.5	0.5	0.6
89°	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2

REPORT NUMBER: P1440287

CATALOG NUMBER: XSF60-KNYK-5Hx5V-850-Position 1

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1440287

CATALOG NUMBER: XSF60-KNYK-5Hx5V-850-Position 1

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P1440287
CATALOG NUMBER: XSF60-KNYK-5Hx5V-850-Position 1

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1440287

CATALOG NUMBER: XSF60-KNYK-5Hx5V-850-Position 1

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	13500.7	13500.7	13500.7	13500.7	13500.7	13500.7	13500.7	13500.7	13500.7	13500.7	13500.7
1°	13429.6	13451.9	13461.4	13484.8	13500.7	13519.8	13534.6	13542.1	13540.0	13548.4	13551.6
2°	13308.7	13339.4	13370.2	13411.6	13460.4	13503.9	13542.1	13564.4	13575.0	13567.5	13556.9
3°	13159.1	13189.8	13238.6	13300.2	13376.6	13450.8	13525.1	13555.9	13572.8	13559.0	13526.2
4°	12988.3	13026.4	13083.7	13161.2	13269.4	13375.5	13481.6	13529.3	13552.7	13516.6	13454.0
5°	12813.2	12856.7	12916.1	13004.2	13135.7	13275.8	13409.5	13482.7	13506.0	13448.7	13358.5
6°	12638.1	12682.7	12743.2	12847.1	12988.3	13152.7	13314.0	13409.5	13424.3	13357.5	13237.6
7°	12453.5	12518.2	12585.1	12685.9	12831.2	13008.4	13190.9	13301.2	13315.0	13233.3	13101.8
8°	12276.3	12359.1	12433.4	12535.2	12674.2	12851.4	13041.3	13166.5	13183.5	13090.1	12945.8
9°	12086.4	12185.1	12280.6	12382.4	12511.9	12674.2	12864.1	12992.5	13009.5	12917.2	12773.9
10°	11862.6	11984.6	12097.0	12216.9	12331.5	12472.6	12648.7	12783.5	12805.8	12716.6	12605.2
11°	11609.0	11746.9	11883.8	12024.9	12141.6	12243.5	12395.2	12526.7	12558.6	12487.5	12418.5
12°	11310.9	11459.4	11619.6	11802.1	11924.1	11997.3	12109.8	12230.7	12271.0	12232.9	12216.9
13°	10965.0	11121.0	11310.9	11540.0	11680.1	11707.7	11796.8	11905.0	11947.5	11946.4	11991.0
14°	10579.0	10756.0	10958.6	11233.4	11389.4	11402.1	11445.6	11543.2	11591.0	11633.4	11735.3
15°	10167.7	10371.0	10588.4	10884.4	11066.9	11060.5	11070.0	11141.1	11211.1	11291.8	11444.6
16°	9736.6	9980.2	10195.2	10489.5	10677.5	10667.9	10659.4	10700.8	10789.9	10923.6	11113.5
17°	9295.0	9589.4	9806.4	10061.1	10242.4	10246.6	10207.5	10219.7	10334.4	10509.5	10721.0
18°	8823.4	9180.4	9400.2	9608.4	9763.5	9781.1	9717.5	9705.6	9835.0	10072.1	10281.7
19°	8317.6	8726.1	8967.3	9130.6	9240.7	9269.7	9187.7	9157.8	9307.3	9581.8	9785.9
20°	7768.0	8215.7	8476.2	8614.3	8674.7	8718.2	8625.0	8585.0	8740.8	9043.1	9258.7
21°	7179.5	7640.8	7923.7	8042.3	8072.7	8139.6	8036.5	7999.2	8158.8	8475.6	8686.7
22°	6564.7	7027.0	7321.6	7424.6	7455.9	7528.6	7438.8	7406.3	7572.1	7878.7	8091.1
23°	5955.4	6396.1	6691.7	6771.8	6805.6	6902.4	6834.2	6815.1	6974.8	7268.8	7461.7
24°	5358.7	5767.8	6038.7	6132.9	6173.0	6269.4	6230.2	6221.2	6386.8	6648.3	6825.0
25°	4809.0	5155.0	5416.6	5504.9	5541.9	5667.5	5632.0	5638.3	5806.8	6041.8	6190.2
26°	4298.5	4586.1	4815.6	4912.4	4952.4	5053.5	5043.2	5067.0	5230.4	5437.5	5576.1
27°	3862.9	4101.7	4297.0	4388.9	4415.8	4497.9	4496.8	4532.7	4685.6	4869.3	4988.9
28°	3495.0	3687.0	3836.0	3915.1	3933.4	3985.1	3999.6	4044.3	4172.3	4332.7	4445.4
29°	3205.6	3370.2	3478.5	3527.1	3522.0	3544.8	3572.1	3631.7	3732.3	3855.9	3958.8
30°	2978.0	3120.2	3190.6	3202.4	3176.1	3182.7	3226.7	3295.0	3367.3	3445.9	3530.8
31°	2797.6	2931.4	2977.0	2949.0	2898.5	2897.8	2955.4	3029.8	3079.6	3112.2	3185.2
32°	2655.5	2780.0	2800.7	2741.9	2678.9	2671.3	2740.7	2819.6	2852.6	2853.8	2902.1
33°	2539.0	2657.6	2667.0	2578.8	2497.6	2494.9	2568.5	2652.8	2669.6	2642.8	2676.5
34°	2438.5	2560.5	2550.0	2444.9	2354.1	2350.6	2430.1	2516.7	2524.3	2475.0	2496.3
35°	2351.9	2477.3	2450.8	2330.4	2229.0	2229.9	2312.1	2400.7	2402.6	2337.2	2346.4
36°	2272.5	2402.2	2363.0	2228.5	2121.5	2124.6	2210.1	2302.8	2297.0	2218.4	2222.7
37°	2194.9	2328.8	2279.2	2136.1	2033.1	2037.6	2120.3	2212.4	2199.7	2113.7	2114.9
38°	2113.9	2251.7	2196.7	2052.2	1944.6	1950.7	2040.6	2130.9	2110.1	2018.6	2019.3
39°	2029.8	2171.9	2112.4	1968.4	1856.1	1863.7	1961.0	2050.3	2025.8	1928.9	1929.5
40°	1945.8	2087.1	2020.1	1884.5	1766.2	1775.4	1881.3	1966.4	1937.0	1840.7	1841.5
41°	1861.7	1998.7	1927.9	1792.8	1676.3	1687.1	1794.5	1878.0	1846.4	1753.0	1755.0
42°	1762.7	1910.1	1835.1	1694.4	1585.7	1597.7	1703.6	1785.5	1749.4	1662.3	1666.2
43°	1665.8	1812.0	1729.6	1595.5	1492.8	1507.9	1610.6	1685.3	1646.4	1572.1	1575.1
44°	1570.1	1712.3	1625.0	1491.9	1397.3	1415.7	1517.4	1583.9	1538.1	1477.9	1484.4

REPORT NUMBER: P1440287

CATALOG NUMBER: XSF60-KNYK-5Hx5V-850-Position 1

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	1479.4	1615.7	1520.6	1391.0	1301.3	1316.6	1422.3	1484.7	1428.1	1382.9	1393.5
46°	1390.5	1522.5	1425.9	1297.2	1211.4	1220.8	1329.9	1388.8	1319.4	1284.8	1304.7
47°	1292.6	1417.2	1329.2	1213.5	1128.0	1128.8	1238.5	1301.1	1222.8	1191.1	1219.4
48°	1180.5	1308.4	1214.1	1110.2	1035.7	1030.1	1139.5	1206.0	1122.5	1102.9	1136.7
49°	1079.3	1209.3	1101.9	992.5	919.2	911.8	1031.6	1107.7	1020.8	1010.6	1039.2
50°	993.8	1142.1	1018.5	887.1	795.1	807.0	917.2	1005.7	943.5	917.7	946.1
51°	914.7	1056.7	957.2	800.4	680.9	716.3	815.9	931.9	866.2	824.9	836.6
52°	851.5	969.0	885.8	705.2	578.9	621.2	738.7	858.3	789.0	732.0	726.7
53°	814.1	918.9	846.0	658.4	520.3	560.2	688.7	784.7	724.3	664.7	662.4
54°	767.0	872.6	804.0	605.0	459.3	515.3	652.4	719.2	659.9	610.4	613.1
55°	718.7	812.2	739.1	547.8	399.6	474.7	623.1	659.5	599.3	564.6	567.0
56°	650.5	743.7	669.2	493.7	350.4	441.3	591.9	610.5	547.4	529.2	525.5
57°	586.0	672.0	605.1	442.5	317.0	414.3	550.7	557.6	494.9	496.3	485.4
58°	538.5	610.2	548.1	396.7	294.3	389.5	510.4	508.4	441.4	451.0	448.8
59°	487.5	560.7	495.1	361.2	274.4	355.3	483.3	469.9	411.9	413.8	414.1
60°	434.0	506.9	442.9	334.5	256.6	320.6	442.4	430.5	371.8	389.9	382.2
61°	390.4	450.9	395.0	302.6	240.1	294.4	397.3	389.2	327.2	357.8	351.8
62°	352.8	401.8	351.6	272.2	225.4	273.9	363.7	358.8	294.9	325.1	322.9
63°	317.3	356.7	316.4	247.7	210.8	253.7	337.5	332.1	267.1	294.1	296.8
64°	290.3	318.4	285.4	227.9	198.2	234.7	307.3	305.1	243.2	268.1	272.1
65°	263.8	283.7	259.1	208.1	186.4	215.7	279.3	279.8	224.1	246.1	249.4
66°	239.4	255.1	236.0	192.2	174.6	196.8	253.7	255.9	206.6	225.2	228.8
67°	215.0	226.4	212.8	176.5	162.9	180.5	229.1	232.7	191.1	205.5	209.5
68°	190.7	197.9	189.7	160.7	151.3	166.1	204.6	210.2	176.0	186.5	190.0
69°	169.6	173.4	169.0	145.9	140.2	151.6	184.2	189.0	161.3	167.9	170.4
70°	148.6	152.2	150.0	133.9	129.4	137.6	165.1	169.0	147.0	150.4	152.1
71°	130.3	133.9	132.6	125.8	118.3	124.5	148.2	151.3	133.1	133.5	135.4
72°	113.8	117.4	117.0	120.0	107.5	112.5	132.6	139.4	120.3	118.8	120.5
73°	99.0	101.9	102.3	106.1	96.6	101.2	117.9	127.9	108.1	105.4	106.7
74°	85.0	87.9	88.4	90.2	85.7	90.2	104.0	110.2	96.4	93.8	94.8
75°	72.5	75.3	75.5	77.3	75.4	79.7	90.7	93.9	85.4	82.2	82.4
76°	61.6	64.1	64.3	65.8	65.7	69.7	77.9	80.9	74.4	70.6	70.0
77°	52.0	54.3	54.3	56.0	56.4	60.1	66.8	67.9	63.5	60.4	59.5
78°	43.2	45.5	45.2	47.4	47.3	50.9	56.7	57.7	53.9	51.2	49.7
79°	35.4	37.5	37.0	39.9	39.1	43.0	47.6	48.8	45.3	43.2	41.2
80°	28.5	30.4	29.9	32.8	31.9	35.5	39.1	40.0	37.0	35.2	33.7
81°	23.6	25.2	24.6	26.8	26.2	29.1	31.7	32.3	29.4	28.2	26.9
82°	18.6	20.0	19.4	20.8	20.5	22.8	25.9	26.0	23.4	22.1	20.4
83°	13.7	14.8	14.2	14.7	14.8	16.5	20.2	20.2	17.6	16.4	14.5
84°	11.0	12.0	11.5	10.6	11.8	12.9	14.4	14.7	13.4	12.1	9.9
85°	7.9	8.6	8.3	6.7	8.5	9.6	10.5	9.8	10.0	8.7	6.7
86°	4.1	4.4	4.6	3.6	4.9	6.0	6.6	6.2	6.4	5.3	3.5
87°	1.4	1.4	1.6	1.5	2.1	2.5	2.9	2.7	2.8	1.9	1.1
88°	0.6	0.7	0.7	0.7	0.7	0.9	1.0	0.8	0.8	0.5	0.3
89°	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1

REPORT NUMBER: P1440287

CATALOG NUMBER: XSF60-KNYK-5Hx5V-850-Position 1

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1440287

CATALOG NUMBER: XSF60-KNYK-5Hx5V-850-Position 1

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P1440287
CATALOG NUMBER: XSF60-KNYK-5Hx5V-850-Position 1

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1440287

CATALOG NUMBER: XSF60-KNYK-5Hx5V-850-Position 1

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	13500.7	13500.7	13500.7
1°	13535.7	13530.4	13514.5
2°	13526.2	13494.3	13464.6
3°	13471.0	13417.9	13371.3
4°	13372.3	13297.0	13240.8
5°	13247.1	13149.5	13083.7
6°	13106.0	12992.5	12915.0
7°	12951.1	12833.4	12748.5
8°	12793.0	12678.5	12599.9
9°	12644.5	12532.0	12447.2
10°	12490.7	12381.4	12284.8
11°	12328.3	12213.8	12096.0
12°	12156.5	12019.6	11870.0
13°	11946.4	11774.5	11601.6
14°	11698.1	11493.4	11297.1
15°	11401.1	11176.1	10960.8
16°	11065.8	10834.5	10609.6
17°	10697.6	10469.7	10238.4
18°	10285.7	10086.2	9851.8
19°	9840.6	9691.0	9451.2
20°	9360.6	9277.6	9028.0
21°	8837.8	8815.8	8556.8
22°	8282.9	8298.1	8031.2
23°	7668.8	7729.7	7459.0
24°	7033.2	7108.4	6851.9
25°	6396.1	6477.0	6242.8
26°	5760.8	5831.6	5627.0
27°	5154.7	5209.5	5032.3
28°	4584.6	4618.4	4477.0
29°	4072.2	4096.0	4002.5
30°	3632.8	3655.1	3610.5
31°	3277.4	3318.0	3302.6
32°	2996.5	3055.2	3062.2
33°	2774.4	2853.2	2877.8
34°	2598.8	2697.9	2731.9
35°	2455.0	2571.7	2613.9
36°	2339.6	2470.8	2515.9
37°	2240.1	2383.7	2431.3
38°	2147.7	2303.0	2352.8
39°	2058.0	2220.2	2272.9
40°	1969.4	2131.6	2187.2
41°	1879.3	2041.0	2097.8
42°	1782.9	1946.9	2001.5
43°	1690.3	1851.1	1900.1
44°	1597.5	1748.9	1793.9

REPORT NUMBER: P1440287

CATALOG NUMBER: XSF60-KNYK-5Hx5V-850-Position 1

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	1502.5	1643.1	1678.3
46°	1407.4	1535.2	1561.2
47°	1310.8	1430.1	1447.5
48°	1218.1	1325.5	1341.3
49°	1120.3	1214.5	1228.6
50°	1006.2	1101.2	1124.9
51°	910.8	978.5	1043.6
52°	815.7	891.9	942.6
53°	720.6	806.3	851.3
54°	656.5	720.7	760.4
55°	604.0	667.8	697.3
56°	565.7	615.6	625.3
57°	519.4	554.7	556.1
58°	474.7	501.4	489.2
59°	434.5	456.8	442.5
60°	397.4	408.2	395.9
61°	364.9	365.3	354.0
62°	332.1	332.6	316.4
63°	300.3	301.9	284.9
64°	272.9	274.1	255.2
65°	248.8	247.9	230.0
66°	224.8	224.7	208.8
67°	201.4	205.1	189.4
68°	180.7	186.1	171.3
69°	161.2	167.9	154.6
70°	144.6	150.4	138.3
71°	129.6	134.4	124.0
72°	118.9	119.8	110.1
73°	113.7	105.5	97.2
74°	101.0	93.0	85.9
75°	84.4	80.4	74.7
76°	70.4	67.9	63.4
77°	60.6	57.1	53.9
78°	50.9	47.0	44.4
79°	41.2	37.6	35.0
80°	33.1	29.3	27.3
81°	25.3	22.1	20.8
82°	18.9	16.2	15.5
83°	13.5	11.8	11.0
84°	9.6	8.4	7.7
85°	5.8	5.0	4.5
86°	2.0	1.6	1.2
87°	0.5	0.4	0.3
88°	0.2	0.2	0.2
89°	0.1	0.1	0.1

REPORT NUMBER: P1440287

CATALOG NUMBER: XSF60-KNYK-5Hx5V-850-Position 1

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1440287

CATALOG NUMBER: XSF60-KNYK-5Hx5V-850-Position 1

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1440287

CATALOG NUMBER: XSF60-KNYK-5Hx5V-850-Position 1

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)