

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: P1440289

Luminaire Tested: XSF60-KNYK-5Hx5V-850-Position 3

Issue Date: 04/15/2026

Test Information

Test Method: LM-79-2024
Report Number: P1440289
Test Lab: THIRD PARTY NVLAP
Issue Date: 7/15/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XSF60-KNYK-5Hx5V-850-Position 3
Description: LUMARK ALL SELECTABLE LUMINAIRE 60W w/ NEMA 5 FLOOD DISTRIBUTION 5000K CCT 80 CRI LIGHT ENGINE AT Position 3
Light Source: (1) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6031.2 lumens
Efficiency: N/A
Efficacy: 167.5 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

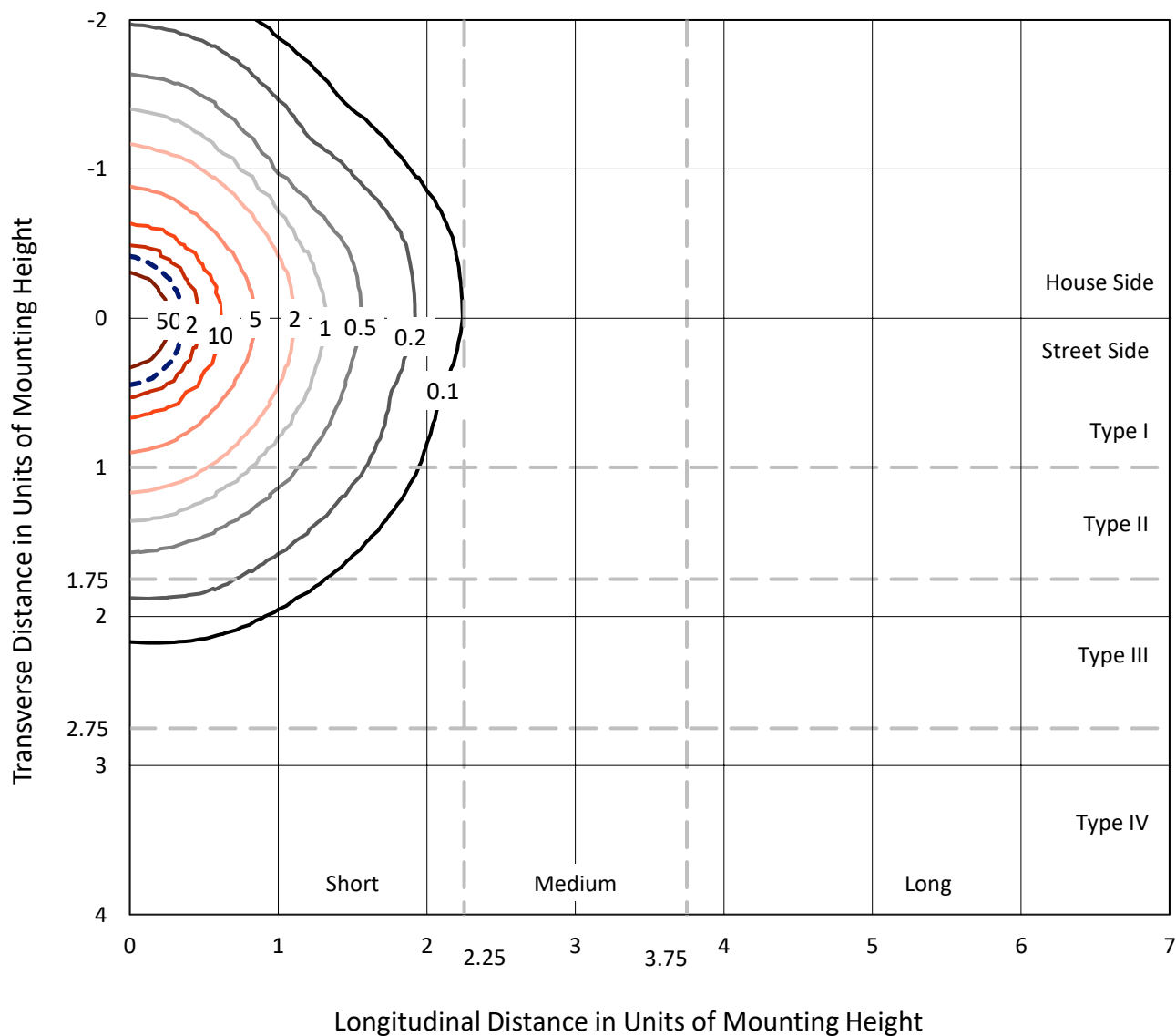
REPORT NUMBER: P1440289

CATALOG NUMBER: XSF60-KNYK-5Hx5V-850-Position 3

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



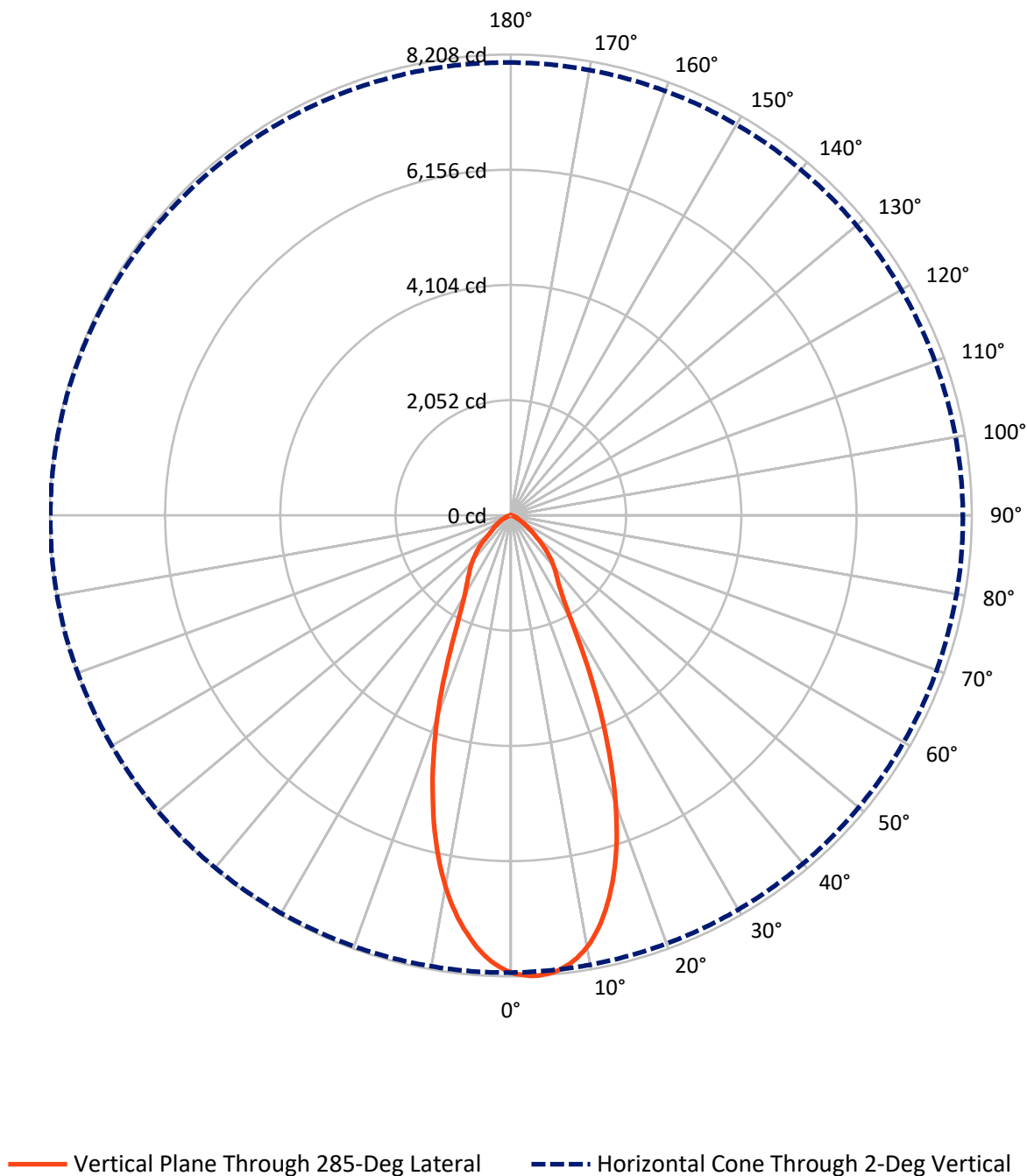
Based on 10 foot mounting height. Maximum calculated value = 81.6 fc

Type V - Short - N/A

REPORT NUMBER: P1440289

CATALOG NUMBER: XSF60-KNYK-5Hx5V-850-Position 3

Luminous Intensity Polar Plot



REPORT NUMBER: P1440289

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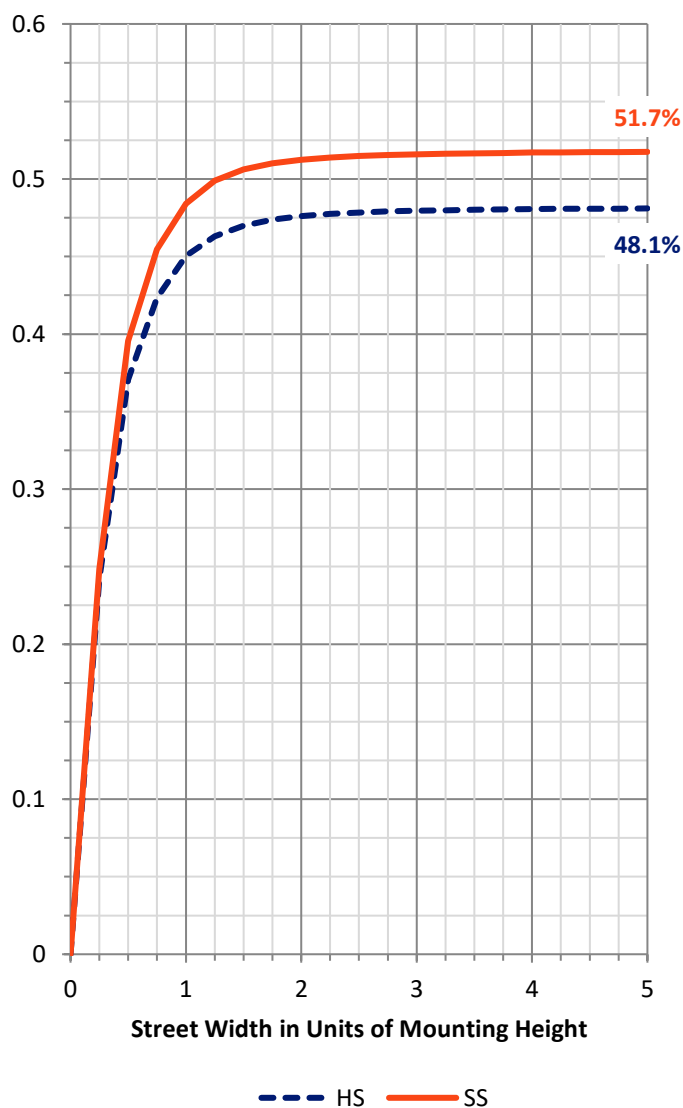
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2930.3	0.0	2930.3
	% Fixture	48.6	0.0	48.6
Street Side	Lumens	3100.9	0.0	3100.9
	% Fixture	51.4	0.0	51.4
Total	Lumens	6031.2	0.0	6031.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	734.0	12.2
10°-20°	1734.9	28.8
20°-30°	1472.7	24.4
30°-40°	900.6	14.9
40°-50°	656.7	10.9
50°-60°	326.1	5.4
60°-70°	146.8	2.4
70°-80°	52.8	0.9
80°-90°	6.7	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°	6031.2	100.0
0°-180°	6031.2	100.0

Coefficient of Utilization



REPORT NUMBER: P1440289

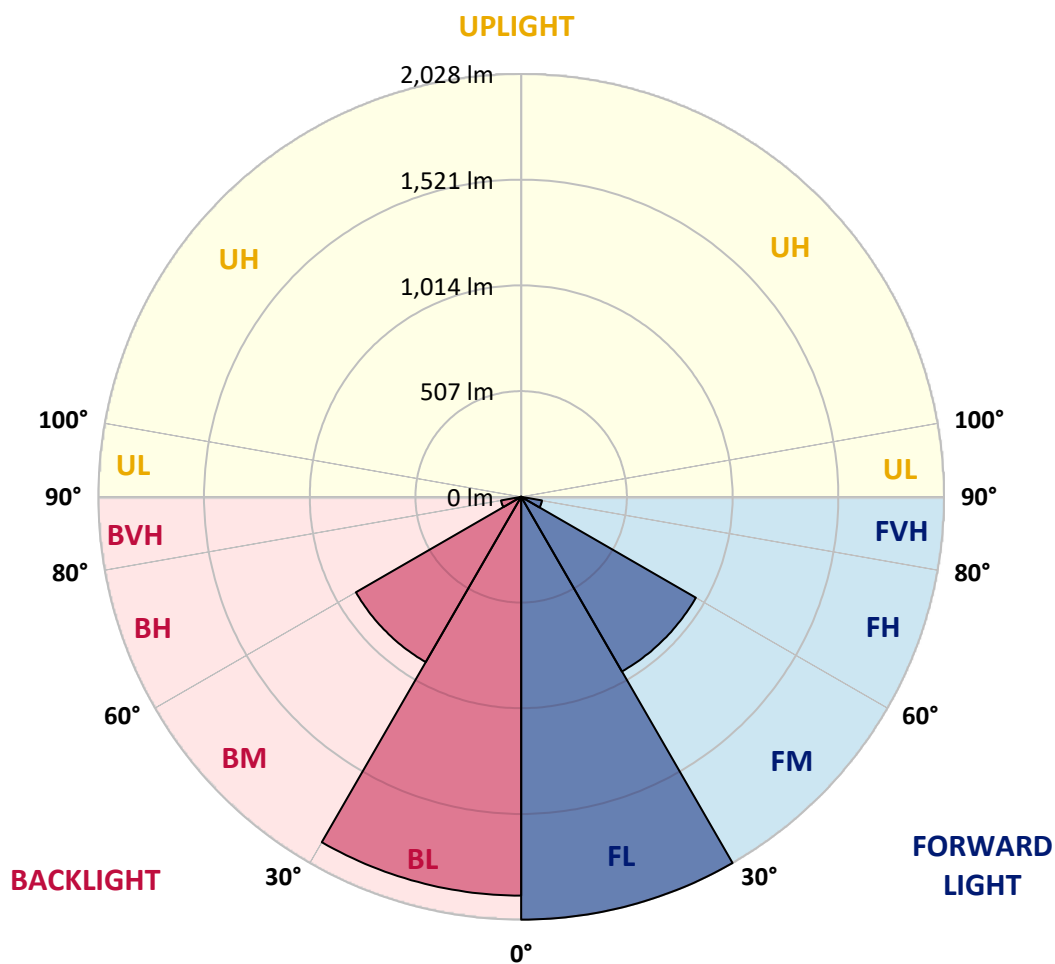
CATALOG NUMBER: XSF60-KNYK-5Hx5V-850-Position 3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2028.5	33.6			
FM	(30°-60°)	967.8	16.0			
FH	(60°-80°)	101.4	1.7			G0/660
FVH	(80°-90°)	3.2	0.1			G0/10
BL	(0°-30°)	1913.1	31.7	B3/2500		
BM	(30°-60°)	915.6	15.2	B1/1000		
BH	(60°-80°)	98.2	1.6	B0/110		G0/660
BVH	(80°-90°)	3.5	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: P1440289

CATALOG NUMBER: XSF60-KNYK-5Hx5V-850-Position 3

CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	8163.3	8163.3	8163.3	8163.3	8163.3	8163.3	8163.3	8163.3	8163.3	8163.3	8163.3
1°	8171.7	8159.5	8148.6	8139.6	8130.6	8123.6	8115.9	8107.5	8106.9	8108.8	8114.0
2°	8141.5	8119.1	8103.7	8091.5	8079.3	8063.9	8051.1	8038.3	8033.8	8035.7	8036.3
3°	8085.1	8058.1	8035.0	8017.1	7999.1	7981.2	7961.9	7949.1	7940.7	7940.1	7943.9
4°	8006.2	7969.0	7941.4	7923.4	7900.3	7881.7	7855.4	7839.4	7832.3	7833.0	7838.1
5°	7911.2	7875.3	7841.3	7811.8	7784.2	7762.4	7731.6	7711.7	7704.7	7711.1	7723.9
6°	7809.2	7768.8	7730.3	7690.5	7650.8	7620.0	7584.7	7561.6	7559.7	7577.0	7605.9
7°	7708.5	7662.3	7612.9	7557.1	7501.3	7461.5	7426.9	7403.1	7403.8	7432.0	7480.1
8°	7618.7	7561.0	7493.6	7416.6	7341.6	7289.0	7244.0	7225.4	7237.0	7281.3	7353.7
9°	7526.3	7459.0	7369.8	7265.9	7167.1	7098.4	7045.2	7030.4	7050.3	7115.1	7215.8
10°	7428.2	7348.0	7236.4	7108.0	6984.9	6897.0	6827.1	6817.4	6851.4	6938.0	7059.3
11°	7314.0	7225.4	7090.7	6939.3	6788.6	6674.4	6596.8	6587.1	6639.1	6743.7	6889.9
12°	7177.3	7076.0	6933.6	6753.9	6583.9	6444.1	6346.0	6342.6	6407.9	6534.5	6694.3
13°	7015.0	6906.6	6748.8	6551.8	6359.6	6192.0	6077.5	6078.0	6161.5	6304.6	6475.5
14°	6830.9	6706.5	6535.2	6333.1	6115.2	5925.6	5796.7	5799.3	5899.7	6054.8	6233.7
15°	6627.5	6494.1	6292.5	6091.2	5860.9	5646.3	5500.1	5509.6	5617.3	5785.7	5967.5
16°	6415.2	6252.7	6039.4	5831.5	5583.9	5354.5	5198.2	5204.5	5320.6	5503.1	5682.8
17°	6190.7	6002.1	5771.0	5552.3	5290.0	5049.0	4892.6	4900.6	5015.9	5198.5	5384.7
18°	5957.0	5746.9	5493.6	5258.2	4987.6	4744.2	4589.4	4588.1	4702.5	4884.9	5075.6
19°	5714.8	5481.3	5202.7	4946.6	4675.8	4433.6	4286.3	4283.4	4386.3	4552.0	4752.5
20°	5458.9	5198.2	4899.4	4630.6	4364.4	4131.1	3985.3	3980.0	4069.0	4212.7	4411.7
21°	5174.0	4888.9	4577.5	4310.2	4047.4	3826.9	3682.3	3674.0	3749.1	3870.5	4055.2
22°	4856.2	4569.6	4249.4	3985.4	3735.2	3520.7	3385.3	3372.2	3439.7	3532.9	3698.3
23°	4510.1	4222.3	3912.8	3655.4	3419.0	3218.5	3091.7	3072.5	3127.0	3203.4	3346.4
24°	4143.1	3867.4	3577.4	3331.7	3112.5	2928.8	2811.4	2789.8	2827.2	2884.5	3016.0
25°	3774.8	3523.1	3253.6	3023.5	2819.8	2660.1	2560.4	2527.7	2548.2	2591.9	2710.0
26°	3402.4	3180.1	2938.0	2727.4	2548.2	2418.4	2337.2	2300.8	2298.3	2332.3	2432.1
27°	3042.9	2857.9	2645.9	2456.3	2309.4	2212.8	2148.6	2109.4	2089.5	2106.7	2197.2
28°	2707.1	2558.9	2383.2	2219.6	2100.0	2035.0	1988.6	1946.2	1915.0	1921.8	1996.5
29°	2420.1	2303.8	2158.0	2018.7	1927.6	1885.0	1854.5	1812.0	1771.1	1768.3	1834.6
30°	2183.2	2088.0	1969.7	1849.5	1779.7	1760.1	1742.9	1699.1	1655.0	1644.0	1701.4
31°	1996.9	1919.9	1812.8	1708.0	1656.9	1656.4	1648.7	1607.0	1557.9	1541.6	1596.1
32°	1851.6	1784.3	1683.3	1593.7	1556.0	1568.8	1570.3	1526.1	1477.3	1456.9	1508.3
33°	1740.1	1678.0	1578.8	1496.3	1470.6	1494.0	1501.1	1456.9	1408.1	1383.1	1433.8
34°	1651.9	1593.8	1492.8	1413.6	1394.8	1428.3	1441.5	1395.8	1345.9	1320.4	1371.4
35°	1580.5	1523.2	1420.4	1341.0	1327.9	1367.3	1384.6	1338.4	1288.2	1262.1	1315.4
36°	1521.2	1463.0	1357.9	1275.2	1268.2	1312.1	1330.5	1285.2	1235.0	1209.2	1263.1
37°	1470.1	1408.7	1302.0	1217.7	1213.6	1259.1	1278.7	1236.0	1181.7	1156.2	1214.1
38°	1422.6	1356.6	1250.8	1165.3	1162.6	1207.3	1229.5	1186.8	1128.5	1103.2	1165.2
39°	1374.3	1304.7	1201.0	1114.3	1111.5	1155.0	1180.3	1137.5	1074.7	1048.6	1116.2
40°	1322.5	1252.8	1148.8	1062.0	1060.6	1099.7	1131.1	1084.6	1022.6	995.2	1063.4
41°	1268.5	1199.3	1093.6	1009.2	1008.1	1043.8	1074.7	1032.7	967.5	942.7	1009.2
42°	1210.2	1142.6	1036.8	956.0	954.5	984.2	1015.5	976.6	912.1	889.6	954.5
43°	1148.9	1082.6	980.9	901.1	900.2	922.6	957.1	923.0	855.7	834.9	899.7
44°	1084.7	1020.1	923.6	848.0	845.9	863.1	899.2	869.5	799.0	781.4	848.5

REPORT NUMBER: P1440289

CATALOG NUMBER: XSF60-KNYK-5Hx5V-850-Position 3

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	1014.8	957.0	866.9	795.2	794.4	807.4	844.0	817.6	745.6	730.5	798.4
46°	944.0	895.0	810.2	744.0	743.8	752.6	784.3	760.7	691.5	686.6	751.5
47°	875.2	833.7	754.9	693.5	687.3	692.6	720.6	693.2	624.4	637.2	699.8
48°	811.0	774.7	696.6	636.5	628.4	636.5	660.6	625.4	557.1	576.6	636.2
49°	742.9	709.2	628.0	575.3	575.3	581.1	604.5	559.6	497.4	516.2	565.8
50°	680.2	640.9	570.3	515.1	522.2	534.0	555.2	502.4	434.8	440.5	502.9
51°	631.0	567.0	512.9	455.0	469.2	487.2	515.4	462.0	386.9	380.7	442.3
52°	569.9	515.9	455.5	413.6	428.6	449.9	480.1	431.7	352.9	332.1	399.4
53°	514.7	464.8	410.3	382.3	390.0	409.9	447.7	406.9	323.3	293.7	372.5
54°	459.8	430.0	378.7	361.3	354.5	369.8	411.1	387.1	298.4	256.7	343.4
55°	421.6	385.3	345.8	337.9	326.8	335.7	378.7	363.1	275.6	224.7	311.0
56°	378.1	347.4	318.0	310.2	307.9	309.7	351.0	340.2	254.0	199.2	277.7
57°	336.2	317.2	290.6	286.1	290.7	285.8	323.0	315.9	237.0	182.0	249.8
58°	295.8	288.0	266.2	263.3	267.1	258.4	295.4	298.1	220.1	169.5	225.2
59°	267.6	265.9	245.1	240.8	248.6	235.4	270.9	272.2	199.4	158.1	204.9
60°	239.4	250.2	226.0	220.1	228.7	206.8	250.2	246.3	183.3	147.9	187.5
61°	214.1	228.5	205.1	202.1	207.4	183.7	228.2	228.9	173.2	139.5	171.3
62°	191.3	204.5	186.0	185.1	188.7	170.2	208.5	212.6	160.4	131.0	157.6
63°	172.3	183.5	170.0	169.8	172.8	158.5	193.3	196.1	148.1	122.5	145.9
64°	154.3	168.0	156.1	156.3	158.9	145.1	177.4	177.2	136.5	115.2	135.0
65°	139.0	151.9	144.2	144.1	145.3	133.0	161.8	160.3	124.9	108.3	124.1
66°	126.2	137.7	132.4	132.5	132.5	122.1	146.9	145.1	114.7	101.2	114.0
67°	114.5	124.8	121.2	121.3	120.3	112.6	132.1	129.8	104.7	94.3	103.8
68°	103.6	112.3	109.8	110.0	108.3	103.2	117.2	114.7	94.9	87.6	93.9
69°	93.5	100.7	98.1	98.6	97.1	93.8	104.4	102.3	86.1	80.8	85.6
70°	83.6	89.5	87.6	87.9	86.6	84.9	94.1	91.9	78.2	74.2	82.4
71°	75.0	79.6	79.8	78.0	77.1	76.7	90.5	82.4	70.9	67.7	78.3
72°	66.6	70.7	78.2	69.3	68.4	69.0	80.8	73.5	64.0	61.3	70.4
73°	58.8	62.4	70.1	61.2	60.5	61.5	69.7	65.0	57.2	54.6	60.3
74°	52.0	54.8	59.3	54.1	53.5	54.6	59.7	57.2	50.7	48.3	52.1
75°	45.1	47.2	50.9	47.1	46.6	47.8	51.5	49.7	44.6	42.5	45.0
76°	38.3	39.5	42.4	40.0	39.7	40.9	44.5	42.9	38.7	36.8	38.5
77°	32.6	33.1	34.0	33.6	33.8	34.9	38.3	36.6	33.2	31.5	32.7
78°	26.9	26.8	28.4	27.9	28.5	29.4	33.0	30.8	28.1	26.1	27.5
79°	21.2	21.4	23.4	22.9	23.6	24.3	27.8	25.5	23.4	21.4	23.0
80°	16.5	16.6	18.7	18.5	18.9	19.7	22.6	20.7	19.1	17.4	18.8
81°	12.6	12.6	14.1	14.7	15.4	15.9	18.4	17.1	15.6	14.1	15.2
82°	9.4	9.6	10.8	11.0	11.7	12.5	14.9	13.5	12.1	10.9	11.6
83°	6.7	6.7	7.3	7.7	8.5	9.3	11.3	9.9	8.6	7.7	8.0
84°	4.7	4.7	5.2	5.6	6.2	6.9	7.8	7.3	6.4	5.6	5.6
85°	2.7	2.7	3.0	3.5	4.0	4.6	4.9	5.0	4.3	3.7	3.4
86°	0.7	0.7	0.9	1.4	1.9	2.8	2.7	2.7	2.3	2.0	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	0.3	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

REPORT NUMBER: P1440289

CATALOG NUMBER: XSF60-KNYK-5Hx5V-850-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: P1440289

CATALOG NUMBER: XSF60-KNYK-5Hx5V-850-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: P1440289
CATALOG NUMBER: XSF60-KNYK-5Hx5V-850-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: P1440289

CATALOG NUMBER: XSF60-KNYK-5Hx5V-850-Position 3

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	8163.3	8163.3	8163.3	8163.3	8163.3	8163.3	8163.3	8163.3	8163.3	8163.3	8163.3
1°	8120.4	8133.8	8139.6	8153.7	8163.3	8174.9	8183.9	8188.4	8187.1	8192.2	8194.1
2°	8047.2	8065.8	8084.4	8109.5	8139.0	8165.3	8188.4	8201.8	8208.3	8203.8	8197.3
3°	7956.8	7975.4	8004.9	8042.1	8088.3	8133.2	8178.1	8196.7	8207.0	8198.6	8178.7
4°	7853.5	7876.6	7911.2	7958.1	8023.5	8087.6	8151.8	8180.7	8194.8	8173.0	8135.1
5°	7747.6	7773.9	7809.9	7863.1	7942.7	8027.3	8108.2	8152.4	8166.6	8131.9	8077.4
6°	7641.8	7668.7	7705.3	7768.2	7853.5	7952.9	8050.4	8108.2	8117.2	8076.7	8004.3
7°	7530.2	7569.3	7609.7	7670.7	7758.5	7865.7	7976.0	8042.7	8051.1	8001.7	7922.1
8°	7423.0	7473.1	7518.0	7579.6	7663.6	7770.7	7885.6	7961.3	7971.5	7915.1	7827.8
9°	7308.2	7367.9	7425.6	7487.2	7565.5	7663.6	7778.4	7856.1	7866.3	7810.5	7723.9
10°	7172.8	7246.6	7314.6	7387.1	7456.4	7541.7	7648.2	7729.7	7743.2	7689.3	7621.9
11°	7019.5	7102.9	7185.7	7271.0	7341.6	7403.1	7494.9	7574.4	7593.7	7550.7	7509.0
12°	6839.2	6929.1	7025.9	7136.3	7210.0	7254.3	7322.3	7395.4	7419.8	7396.7	7387.1
13°	6630.1	6724.4	6839.2	6977.8	7062.5	7079.2	7133.1	7198.5	7224.2	7223.5	7250.5
14°	6396.7	6503.7	6626.3	6792.4	6886.7	6894.4	6920.7	6979.7	7008.6	7034.3	7095.9
15°	6148.0	6270.9	6402.4	6581.4	6691.7	6687.9	6693.6	6736.6	6778.9	6827.7	6920.1
16°	5887.4	6034.7	6164.6	6342.6	6456.3	6450.5	6445.4	6470.4	6524.3	6605.1	6719.9
17°	5620.3	5798.3	5929.6	6083.5	6193.2	6195.7	6172.1	6179.4	6248.8	6354.7	6482.6
18°	5335.1	5551.0	5683.9	5809.8	5903.6	5914.2	5875.8	5868.6	5946.8	6090.2	6217.0
19°	5029.3	5276.3	5422.2	5520.9	5587.5	5605.0	5555.4	5537.3	5627.7	5793.8	5917.1
20°	4697.0	4967.7	5125.2	5208.8	5245.3	5271.6	5215.2	5191.0	5285.2	5468.0	5598.4
21°	4341.2	4620.1	4791.1	4862.9	4881.3	4921.7	4859.4	4836.8	4933.3	5124.9	5252.5
22°	3969.4	4249.0	4427.1	4489.4	4508.3	4552.2	4498.0	4478.3	4578.5	4763.9	4892.4
23°	3601.0	3867.5	4046.2	4094.6	4115.1	4173.6	4132.4	4120.8	4217.4	4395.2	4511.8
24°	3240.2	3487.6	3651.3	3708.3	3732.6	3790.9	3767.1	3761.7	3861.8	4020.0	4126.8
25°	2907.8	3117.0	3275.2	3328.6	3351.0	3426.9	3405.4	3409.2	3511.2	3653.3	3743.0
26°	2599.1	2773.0	2911.8	2970.4	2994.6	3055.6	3049.4	3063.8	3162.6	3287.9	3371.6
27°	2335.8	2480.1	2598.2	2653.8	2670.1	2719.7	2719.0	2740.8	2833.2	2944.3	3016.6
28°	2113.3	2229.4	2319.5	2367.3	2378.4	2409.6	2418.4	2445.4	2522.8	2619.8	2688.0
29°	1938.3	2037.9	2103.3	2132.7	2129.6	2143.4	2159.9	2195.9	2256.8	2331.5	2393.7
30°	1800.7	1886.6	1929.2	1936.4	1920.5	1924.4	1951.1	1992.4	2036.1	2083.6	2134.9
31°	1691.6	1772.5	1800.1	1783.2	1752.6	1752.2	1787.0	1832.0	1862.1	1881.8	1926.0
32°	1605.7	1681.0	1693.5	1657.9	1619.8	1615.2	1657.2	1704.9	1724.9	1725.6	1754.8
33°	1535.2	1606.9	1612.7	1559.3	1510.2	1508.6	1553.1	1604.1	1614.2	1598.0	1618.4
34°	1474.5	1548.2	1541.9	1478.3	1423.4	1421.3	1469.4	1521.8	1526.4	1496.5	1509.4
35°	1422.1	1498.0	1481.9	1409.1	1347.8	1348.3	1398.1	1451.6	1452.8	1413.2	1418.8
36°	1374.1	1452.5	1428.8	1347.5	1282.8	1284.6	1336.4	1392.4	1388.9	1341.4	1344.0
37°	1327.2	1408.1	1378.1	1291.6	1229.3	1232.0	1282.1	1337.8	1330.1	1278.1	1278.8
38°	1278.2	1361.5	1328.3	1240.9	1175.8	1179.5	1233.9	1288.5	1275.9	1220.6	1221.0
39°	1227.4	1313.3	1277.3	1190.2	1122.3	1126.9	1185.7	1239.7	1224.9	1166.3	1166.7
40°	1176.5	1262.0	1221.5	1139.5	1067.9	1073.5	1137.5	1189.0	1171.2	1113.0	1113.5
41°	1125.7	1208.6	1165.7	1084.0	1013.6	1020.1	1085.1	1135.6	1116.4	1060.0	1061.2
42°	1065.8	1155.0	1109.6	1024.5	958.8	966.1	1030.1	1079.6	1057.8	1005.1	1007.5
43°	1007.3	1095.7	1045.8	964.7	902.6	911.8	973.9	1019.1	995.5	950.6	952.4
44°	949.4	1035.3	982.6	902.1	844.9	856.0	917.5	957.7	930.0	893.6	897.6

REPORT NUMBER: P1440289

CATALOG NUMBER: XSF60-KNYK-5Hx5V-850-Position 3

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	894.5	977.0	919.4	841.1	786.8	796.1	860.0	897.7	863.5	836.2	842.6
46°	840.8	920.6	862.2	784.4	732.5	738.2	804.1	839.8	797.8	776.9	788.9
47°	781.6	856.9	803.7	733.8	682.1	682.5	748.8	786.7	739.4	720.2	737.3
48°	713.8	791.1	734.1	671.3	626.3	622.9	689.0	729.2	678.7	666.9	687.3
49°	652.6	731.2	666.3	600.2	555.8	551.3	623.8	669.8	617.3	611.1	628.4
50°	600.9	690.6	615.8	536.4	480.8	488.0	554.6	608.1	570.5	554.9	572.1
51°	553.1	638.9	578.8	484.0	411.7	433.1	493.3	563.5	523.8	498.8	505.9
52°	514.9	585.9	535.6	426.4	350.0	375.6	446.7	519.0	477.1	442.6	439.4
53°	492.2	555.6	511.5	398.1	314.6	338.7	416.4	474.5	438.0	401.9	400.5
54°	463.8	527.6	486.1	365.8	277.7	311.6	394.5	434.9	399.0	369.1	370.7
55°	434.5	491.1	446.9	331.2	241.6	287.0	376.8	398.8	362.4	341.4	342.8
56°	393.4	449.7	404.7	298.5	211.9	266.8	357.9	369.2	331.0	320.0	317.8
57°	354.3	406.3	365.9	267.6	191.7	250.5	333.0	337.1	299.2	300.1	293.5
58°	325.6	369.0	331.4	239.9	177.9	235.5	308.6	307.4	266.9	272.7	271.4
59°	294.8	339.0	299.3	218.4	165.9	214.8	292.2	284.2	249.1	250.2	250.4
60°	262.4	306.5	267.8	202.3	155.2	193.8	267.5	260.3	224.8	235.8	231.1
61°	236.0	272.6	238.8	183.0	145.2	178.0	240.2	235.3	197.8	216.3	212.7
62°	213.3	243.0	212.6	164.6	136.3	165.6	219.9	217.0	178.3	196.6	195.2
63°	191.9	215.7	191.3	149.8	127.5	153.4	204.1	200.8	161.5	177.8	179.5
64°	175.5	192.6	172.6	137.8	119.9	141.9	185.8	184.5	147.1	162.1	164.5
65°	159.5	171.5	156.7	125.8	112.7	130.4	168.9	169.2	135.5	148.8	150.8
66°	144.8	154.2	142.7	116.2	105.6	119.0	153.4	154.7	124.9	136.2	138.4
67°	130.0	136.9	128.7	106.7	98.5	109.2	138.5	140.7	115.6	124.3	126.7
68°	115.3	119.7	114.7	97.2	91.5	100.5	123.7	127.1	106.4	112.8	114.9
69°	102.6	104.8	102.2	88.2	84.8	91.7	111.4	114.3	97.5	101.6	103.0
70°	89.8	92.0	90.7	81.0	78.2	83.2	99.8	102.2	88.9	91.0	91.9
71°	78.8	80.9	80.2	76.1	71.6	75.3	89.6	91.5	80.5	80.7	81.9
72°	68.8	71.0	70.7	72.6	65.0	68.0	80.2	84.3	72.7	71.8	72.9
73°	59.8	61.6	61.9	64.1	58.4	61.2	71.3	77.3	65.3	63.7	64.5
74°	51.4	53.1	53.5	54.5	51.8	54.5	62.9	66.7	58.3	56.7	57.3
75°	43.8	45.5	45.6	46.7	45.6	48.2	54.8	56.8	51.6	49.7	49.9
76°	37.3	38.8	38.9	39.8	39.7	42.1	47.1	48.9	45.0	42.7	42.4
77°	31.4	32.8	32.8	33.9	34.1	36.3	40.4	41.1	38.4	36.5	36.0
78°	26.1	27.5	27.3	28.6	28.6	30.8	34.3	34.9	32.6	31.0	30.0
79°	21.4	22.7	22.4	24.2	23.6	26.0	28.8	29.5	27.4	26.1	24.9
80°	17.2	18.4	18.1	19.8	19.3	21.5	23.7	24.2	22.4	21.3	20.4
81°	14.2	15.2	14.9	16.2	15.8	17.6	19.1	19.5	17.8	17.1	16.3
82°	11.2	12.1	11.7	12.6	12.4	13.8	15.7	15.7	14.1	13.4	12.3
83°	8.3	9.0	8.6	8.9	9.0	10.0	12.2	12.2	10.6	9.9	8.8
84°	6.6	7.3	7.0	6.4	7.1	7.8	8.7	8.9	8.1	7.3	6.0
85°	4.8	5.2	5.0	4.0	5.1	5.8	6.4	5.9	6.1	5.3	4.0
86°	2.5	2.6	2.8	2.2	3.0	3.6	4.0	3.8	3.9	3.2	2.1
87°	0.8	0.9	1.0	0.9	1.2	1.5	1.8	1.7	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: P1440289

CATALOG NUMBER: XSF60-KNYK-5Hx5V-850-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: P1440289

CATALOG NUMBER: XSF60-KNYK-5Hx5V-850-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: P1440289
CATALOG NUMBER: XSF60-KNYK-5Hx5V-850-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: P1440289

CATALOG NUMBER: XSF60-KNYK-5Hx5V-850-Position 3

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	8163.3	8163.3	8163.3
1°	8184.5	8181.3	8171.7
2°	8178.7	8159.5	8141.5
3°	8145.4	8113.3	8085.1
4°	8085.7	8040.2	8006.2
5°	8010.0	7951.0	7911.2
6°	7924.7	7856.1	7809.2
7°	7831.0	7759.8	7708.5
8°	7735.5	7666.2	7618.7
9°	7645.6	7577.6	7526.3
10°	7552.6	7486.5	7428.2
11°	7454.5	7385.2	7314.0
12°	7350.5	7267.8	7177.3
13°	7223.5	7119.6	7015.0
14°	7073.4	6949.6	6830.9
15°	6893.8	6757.8	6627.5
16°	6691.1	6551.2	6415.2
17°	6468.5	6330.7	6190.7
18°	6219.3	6098.7	5957.0
19°	5950.2	5859.8	5714.8
20°	5660.0	5609.8	5458.9
21°	5343.9	5330.6	5174.0
22°	5008.4	5017.5	4856.2
23°	4637.0	4673.9	4510.1
24°	4252.7	4298.2	4143.1
25°	3867.5	3916.4	3774.8
26°	3483.3	3526.1	3402.4
27°	3116.8	3150.0	3042.9
28°	2772.1	2792.5	2707.1
29°	2462.3	2476.7	2420.1
30°	2196.6	2210.1	2183.2
31°	1981.7	2006.3	1996.9
32°	1811.8	1847.4	1851.6
33°	1677.6	1725.2	1740.1
34°	1571.4	1631.3	1651.9
35°	1484.4	1555.0	1580.5
36°	1414.7	1494.0	1521.2
37°	1354.5	1441.3	1470.1
38°	1298.6	1392.5	1422.6
39°	1244.4	1342.4	1374.3
40°	1190.8	1288.9	1322.5
41°	1136.3	1234.1	1268.5
42°	1078.1	1177.2	1210.2
43°	1022.1	1119.3	1148.9
44°	965.9	1057.5	1084.7

REPORT NUMBER: P1440289

CATALOG NUMBER: XSF60-KNYK-5Hx5V-850-Position 3

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	908.5	993.5	1014.8
46°	851.0	928.3	944.0
47°	792.6	864.7	875.2
48°	736.5	801.5	811.0
49°	677.4	734.3	742.9
50°	608.4	665.8	680.2
51°	550.7	591.6	631.0
52°	493.2	539.3	569.9
53°	435.7	487.5	514.7
54°	397.0	435.8	459.8
55°	365.2	403.8	421.6
56°	342.1	372.2	378.1
57°	314.1	335.4	336.2
58°	287.0	303.2	295.8
59°	262.7	276.2	267.6
60°	240.3	246.8	239.4
61°	220.7	220.9	214.1
62°	200.8	201.1	191.3
63°	181.6	182.6	172.3
64°	165.0	165.7	154.3
65°	150.4	149.9	139.0
66°	135.9	135.8	126.2
67°	121.8	124.0	114.5
68°	109.3	112.5	103.6
69°	97.5	101.5	93.5
70°	87.4	90.9	83.6
71°	78.4	81.3	75.0
72°	71.9	72.5	66.6
73°	68.8	63.8	58.8
74°	61.1	56.2	52.0
75°	51.1	48.6	45.1
76°	42.5	41.1	38.3
77°	36.7	34.5	32.6
78°	30.8	28.4	26.9
79°	24.9	22.8	21.2
80°	20.0	17.7	16.5
81°	15.3	13.3	12.6
82°	11.4	9.8	9.4
83°	8.2	7.1	6.7
84°	5.8	5.1	4.7
85°	3.5	3.0	2.7
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: P1440289

CATALOG NUMBER: XSF60-KNYK-5Hx5V-850-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: P1440289

CATALOG NUMBER: XSF60-KNYK-5Hx5V-850-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: P1440289

CATALOG NUMBER: XSF60-KNYK-5Hx5V-850-Position 3

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)