

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: P1440281

Luminaire Tested: XSF60-KNYK-5Hx5V-830-Position 3

Issue Date: 04/15/2026

Test Information

Test Method: LM-79-2024
Report Number: P1440281
Test Lab: THIRD PARTY NVLAP
Issue Date: 7/15/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XSF60-KNYK-5Hx5V-830-Position 3
Description: LUMARK ALL SELECTABLE LUMINAIRE 60W w/ NEMA 5 FLOOD DISTRIBUTION 3000K CCT 80 CRI LIGHT ENGINE AT Position 3
Light Source: (1) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5689.8 lumens
Efficiency: N/A
Efficacy: 158.1 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

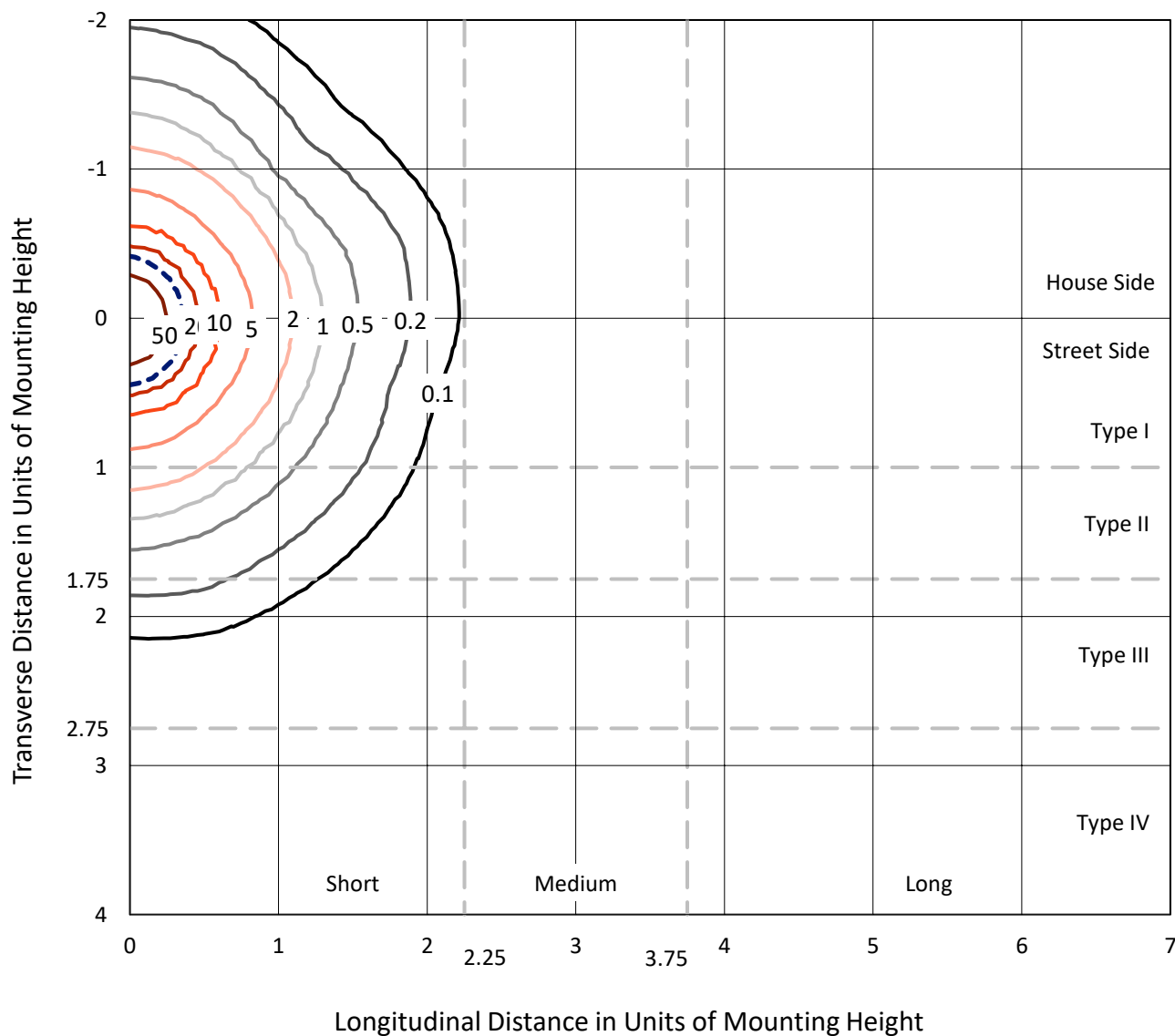
REPORT NUMBER: P1440281

CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-Position 3

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

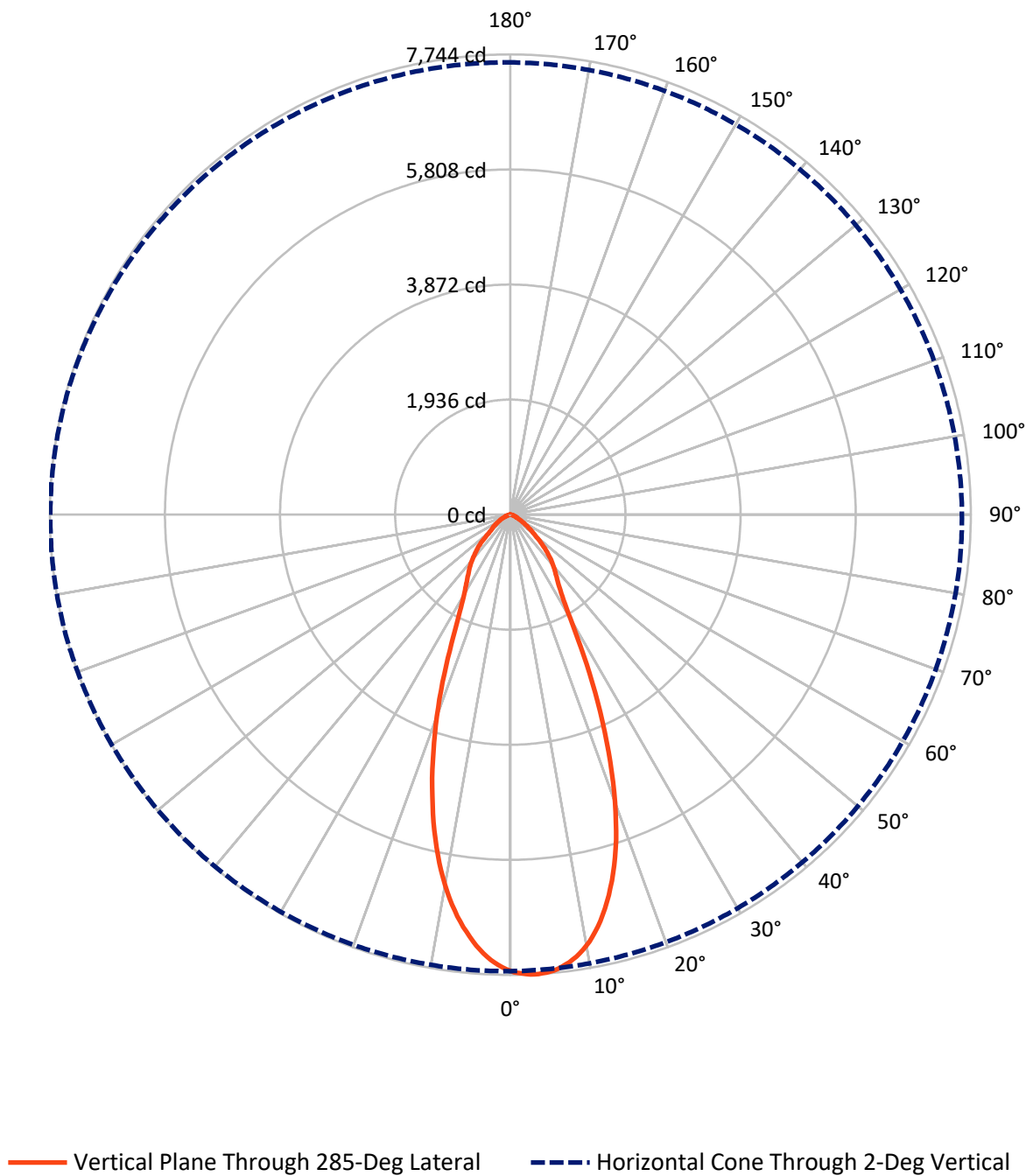


Based on 10 foot mounting height. Maximum calculated value = 77 fc
 Type V - Short - N/A

REPORT NUMBER: P1440281

CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-Position 3

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2764.5	0.0	2764.5
	% Fixture	48.6	0.0	48.6
Street Side	Lumens	2925.3	0.0	2925.3
	% Fixture	51.4	0.0	51.4
Total	Lumens	5689.8	0.0	5689.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	692.4	12.2
10°-20°	1636.7	28.8
20°-30°	1389.3	24.4
30°-40°	849.6	14.9
40°-50°	619.5	10.9
50°-60°	307.7	5.4
60°-70°	138.5	2.4
70°-80°	49.8	0.9
80°-90°	6.3	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°	5689.8	100.0
0°-180°	5689.8	100.0

Coefficient of Utilization



REPORT NUMBER: P1440281

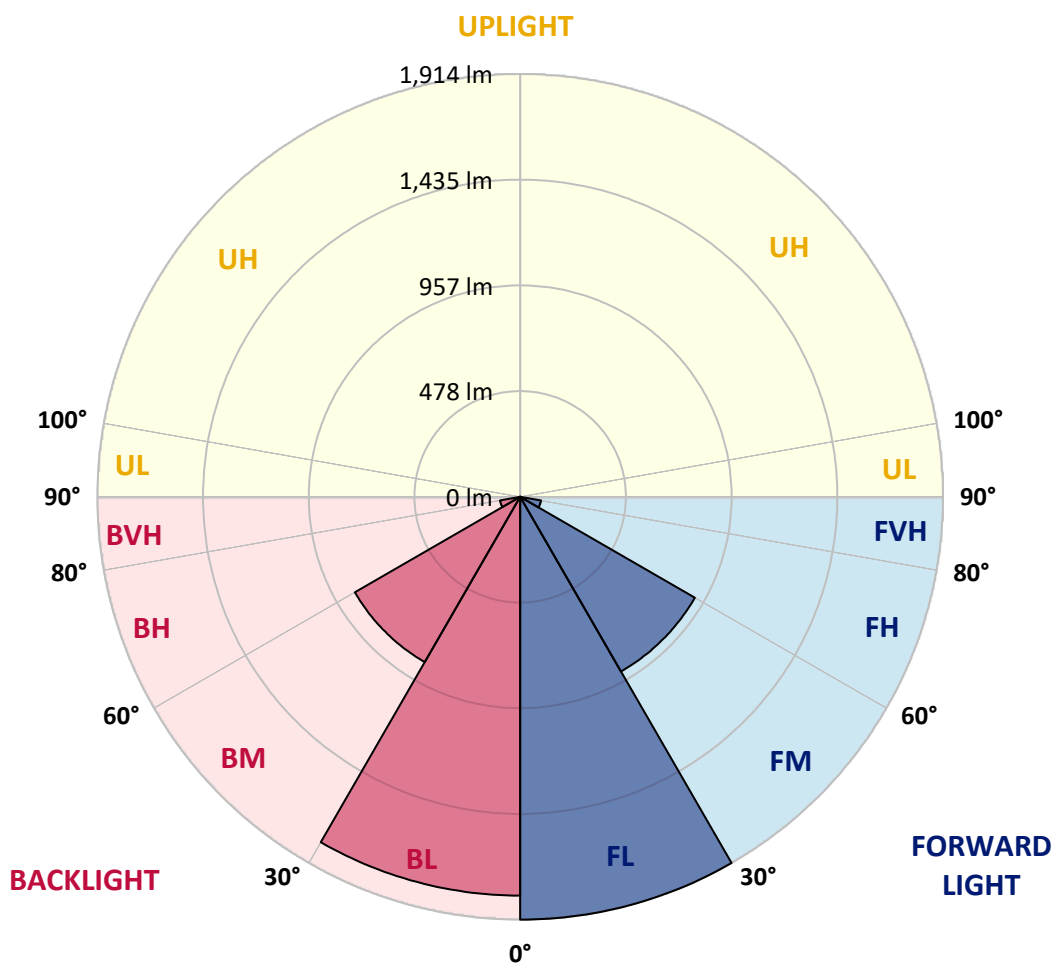
CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-Position 3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1913.7	33.6			
FM	(30°-60°)	913.0	16.0			
FH	(60°-80°)	95.6	1.7			G0/660
FVH	(80°-90°)	3.0	0.1			G0/10
BL	(0°-30°)	1804.8	31.7	B3/2500		
BM	(30°-60°)	863.8	15.2	B1/1000		
BH	(60°-80°)	92.6	1.6	B0/110		G0/660
BVH	(80°-90°)	3.3	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type V Short



REPORT NUMBER: P1440281

CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-Position 3

CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	7701.3	7701.3	7701.3	7701.3	7701.3	7701.3	7701.3	7701.3	7701.3	7701.3	7701.3
1°	7709.1	7697.6	7687.4	7678.9	7670.4	7663.7	7656.5	7648.6	7648.0	7649.8	7654.7
2°	7680.7	7659.5	7645.0	7633.5	7622.0	7607.5	7595.4	7583.3	7579.0	7580.8	7581.4
3°	7627.4	7602.0	7580.2	7563.3	7546.3	7529.4	7511.2	7499.1	7491.3	7490.7	7494.3
4°	7553.0	7517.9	7491.9	7474.9	7453.1	7435.6	7410.8	7395.6	7389.0	7389.6	7394.4
5°	7463.4	7429.5	7397.5	7369.6	7343.6	7323.0	7294.0	7275.2	7268.5	7274.6	7286.7
6°	7367.2	7329.1	7292.8	7255.2	7217.7	7188.7	7155.4	7133.6	7131.8	7148.1	7175.3
7°	7272.2	7228.6	7182.0	7129.3	7076.7	7039.2	7006.5	6984.1	6984.7	7011.3	7056.7
8°	7187.4	7133.0	7069.4	6996.8	6926.0	6876.4	6834.0	6816.5	6827.4	6869.1	6937.5
9°	7100.3	7036.8	6952.6	6854.6	6761.4	6696.6	6646.4	6632.5	6651.2	6712.4	6807.4
10°	7007.7	6932.1	6826.7	6705.7	6589.5	6506.6	6440.6	6431.5	6463.6	6545.3	6659.7
11°	6900.0	6816.5	6689.4	6546.5	6404.3	6296.6	6223.4	6214.3	6263.3	6361.9	6499.9
12°	6771.1	6675.4	6541.1	6371.6	6211.2	6079.3	5986.8	5983.6	6045.2	6164.6	6315.3
13°	6617.9	6515.7	6366.8	6181.0	5999.6	5841.5	5733.5	5734.0	5812.7	5947.7	6109.0
14°	6444.3	6326.8	6165.3	5974.6	5769.0	5590.2	5468.6	5471.1	5565.8	5712.1	5880.9
15°	6252.4	6126.5	5936.4	5746.4	5529.1	5326.7	5188.8	5197.7	5299.4	5458.2	5629.7
16°	6052.1	5898.8	5697.5	5501.5	5267.8	5051.4	4904.0	4909.9	5019.5	5191.6	5361.1
17°	5840.3	5662.3	5444.3	5238.0	4990.5	4763.2	4615.6	4623.2	4732.0	4904.2	5079.9
18°	5619.8	5421.6	5182.6	4960.6	4705.3	4475.6	4329.6	4328.4	4436.4	4608.4	4788.3
19°	5391.3	5171.1	4908.2	4666.6	4411.2	4182.7	4043.7	4041.0	4138.0	4294.4	4483.5
20°	5149.9	4903.9	4622.0	4368.5	4117.4	3897.2	3759.7	3754.7	3838.7	3974.2	4162.0
21°	4881.1	4612.2	4318.4	4066.2	3818.3	3610.3	3473.8	3466.0	3536.9	3651.4	3825.6
22°	4581.3	4310.9	4008.8	3759.8	3523.8	3321.4	3193.7	3181.3	3245.0	3332.9	3489.0
23°	4254.9	3983.3	3691.3	3448.5	3225.5	3036.3	2916.7	2898.6	2950.0	3022.0	3156.9
24°	3908.6	3648.5	3374.9	3143.1	2936.3	2763.0	2652.3	2631.9	2667.2	2721.2	2845.3
25°	3561.1	3323.7	3069.4	2852.3	2660.2	2509.5	2415.5	2384.6	2404.0	2445.2	2556.6
26°	3209.8	3000.1	2771.7	2573.0	2404.0	2281.5	2204.9	2170.6	2168.2	2200.3	2294.4
27°	2870.6	2696.1	2496.1	2317.3	2178.7	2087.5	2027.0	1990.0	1971.2	1987.4	2072.8
28°	2553.9	2414.1	2248.3	2094.0	1981.1	1919.8	1876.1	1836.0	1806.6	1813.0	1883.5
29°	2283.1	2173.4	2035.9	1904.4	1818.5	1778.3	1749.5	1709.4	1670.9	1668.2	1730.8
30°	2059.6	1969.8	1858.2	1744.8	1679.0	1660.4	1644.3	1602.9	1561.3	1550.9	1605.1
31°	1883.9	1811.3	1710.2	1611.4	1563.1	1562.6	1555.4	1516.0	1469.7	1454.4	1505.8
32°	1746.8	1683.3	1588.0	1503.5	1467.9	1480.0	1481.4	1439.7	1393.7	1374.4	1422.9
33°	1641.6	1583.0	1489.4	1411.6	1387.3	1409.5	1416.1	1374.4	1328.4	1304.8	1352.6
34°	1558.3	1503.6	1408.3	1333.6	1315.8	1347.4	1359.9	1316.8	1269.7	1245.7	1293.8
35°	1491.1	1436.9	1340.0	1265.1	1252.8	1289.9	1306.2	1262.6	1215.3	1190.7	1241.0
36°	1435.1	1380.2	1281.0	1203.0	1196.4	1237.8	1255.2	1212.4	1165.1	1140.8	1191.6
37°	1386.9	1329.0	1228.3	1148.7	1144.9	1187.8	1206.4	1166.1	1114.9	1090.8	1145.4
38°	1342.1	1279.8	1180.0	1099.4	1096.8	1139.0	1159.9	1119.6	1064.6	1040.8	1099.2
39°	1296.5	1230.9	1133.0	1051.2	1048.6	1089.6	1113.5	1073.2	1013.9	989.2	1053.0
40°	1247.6	1181.9	1083.7	1001.9	1000.5	1037.4	1067.0	1023.2	964.8	938.9	1003.2
41°	1196.7	1131.4	1031.7	952.1	951.1	984.7	1013.8	974.3	912.8	889.4	952.1
42°	1141.7	1077.9	978.1	901.9	900.4	928.4	958.0	921.3	860.5	839.2	900.4
43°	1083.9	1021.3	925.4	850.1	849.3	870.4	902.9	870.8	807.2	787.7	848.7
44°	1023.3	962.3	871.3	800.0	798.0	814.2	848.3	820.2	753.8	737.1	800.4

REPORT NUMBER: P1440281

CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-Position 3

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	957.4	902.8	817.8	750.2	749.4	761.7	796.2	771.3	703.4	689.2	753.2
46°	890.6	844.4	764.4	701.9	701.7	710.0	739.9	717.7	652.4	647.8	709.0
47°	825.7	786.5	712.2	654.2	648.4	653.4	679.8	654.0	589.0	601.1	660.2
48°	765.1	730.8	657.2	600.4	592.8	600.4	623.2	590.0	525.5	544.0	600.2
49°	700.8	669.1	592.5	542.7	542.7	548.2	570.3	527.9	469.2	487.0	533.8
50°	641.7	604.6	538.0	486.0	492.7	503.8	523.8	474.0	410.2	415.6	474.5
51°	595.3	534.9	483.9	429.3	442.6	459.6	486.3	435.8	365.0	359.1	417.3
52°	537.7	486.7	429.7	390.2	404.3	424.4	452.9	407.2	332.9	313.3	376.8
53°	485.6	438.5	387.1	360.7	367.9	386.7	422.4	383.8	305.0	277.1	351.4
54°	433.7	405.7	357.3	340.8	334.5	348.8	387.9	365.2	281.6	242.1	324.0
55°	397.8	363.5	326.2	318.8	308.3	316.7	357.2	342.5	260.0	212.0	293.4
56°	356.7	327.8	300.0	292.7	290.5	292.2	331.2	320.9	239.6	187.9	262.0
57°	317.2	299.2	274.2	269.9	274.2	269.6	304.7	298.0	223.6	171.7	235.7
58°	279.1	271.7	251.1	248.4	252.0	243.8	278.7	281.3	207.6	159.9	212.4
59°	252.4	250.8	231.2	227.1	234.5	222.1	255.5	256.8	188.1	149.2	193.3
60°	225.8	236.0	213.2	207.6	215.7	195.1	236.1	232.3	172.9	139.5	176.9
61°	201.9	215.5	193.5	190.6	195.7	173.3	215.2	215.9	163.4	131.6	161.6
62°	180.5	192.9	175.5	174.6	178.0	160.5	196.7	200.5	151.3	123.6	148.7
63°	162.5	173.1	160.3	160.2	163.0	149.5	182.4	185.0	139.7	115.6	137.7
64°	145.6	158.4	147.2	147.5	149.9	136.9	167.4	167.2	128.8	108.7	127.4
65°	131.2	143.3	136.1	136.0	137.1	125.5	152.6	151.2	117.8	102.1	117.1
66°	119.1	129.9	124.9	125.0	125.0	115.2	138.6	136.8	108.2	95.5	107.5
67°	108.1	117.7	114.3	114.5	113.5	106.2	124.6	122.5	98.7	88.9	97.9
68°	97.7	105.9	103.6	103.8	102.2	97.4	110.6	108.2	89.5	82.6	88.6
69°	88.2	95.0	92.6	93.0	91.6	88.5	98.5	96.5	81.3	76.2	80.7
70°	78.9	84.5	82.6	82.9	81.7	80.1	88.8	86.7	73.8	70.0	77.7
71°	70.7	75.1	75.3	73.6	72.7	72.4	85.4	77.8	66.9	63.8	73.9
72°	62.8	66.7	73.8	65.4	64.6	65.1	76.3	69.4	60.4	57.8	66.4
73°	55.5	58.8	66.1	57.8	57.1	58.0	65.8	61.4	54.0	51.5	56.9
74°	49.0	51.7	56.0	51.1	50.5	51.5	56.4	53.9	47.9	45.6	49.1
75°	42.6	44.5	48.0	44.4	44.0	45.1	48.6	46.8	42.0	40.1	42.5
76°	36.2	37.3	40.0	37.7	37.5	38.6	42.0	40.5	36.5	34.7	36.3
77°	30.7	31.2	32.1	31.7	31.9	32.9	36.2	34.5	31.3	29.7	30.8
78°	25.4	25.3	26.8	26.3	26.9	27.7	31.1	29.1	26.5	24.6	25.9
79°	20.0	20.2	22.1	21.6	22.3	22.9	26.2	24.0	22.1	20.2	21.7
80°	15.6	15.7	17.6	17.4	17.9	18.5	21.3	19.6	18.0	16.4	17.8
81°	11.9	11.9	13.3	13.9	14.5	15.0	17.3	16.2	14.7	13.3	14.4
82°	8.8	9.0	10.2	10.4	11.1	11.8	14.0	12.8	11.4	10.3	11.0
83°	6.3	6.3	6.9	7.3	8.0	8.8	10.7	9.4	8.1	7.3	7.6
84°	4.4	4.4	4.9	5.2	5.9	6.5	7.4	6.9	6.0	5.3	5.3
85°	2.5	2.6	2.8	3.3	3.8	4.4	4.7	4.7	4.0	3.5	3.2
86°	0.7	0.7	0.8	1.3	1.7	2.6	2.5	2.5	2.1	1.9	1.6
87°	0.2	0.2	0.2	0.3	0.5	0.8	1.0	1.0	0.8	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



REPORT NUMBER: P1440281

CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-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: P1440281

CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-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: P1440281
CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-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: P1440281

CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-Position 3

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	7701.3	7701.3	7701.3	7701.3	7701.3	7701.3	7701.3	7701.3	7701.3	7701.3	7701.3
1°	7660.7	7673.4	7678.9	7692.2	7701.3	7712.2	7720.6	7724.9	7723.7	7728.5	7730.3
2°	7591.7	7609.3	7626.8	7650.4	7678.3	7703.1	7724.9	7737.6	7743.6	7739.4	7733.3
3°	7506.4	7523.9	7551.8	7586.9	7630.5	7672.8	7715.2	7732.7	7742.4	7734.6	7715.8
4°	7409.0	7430.7	7463.4	7507.6	7569.3	7629.9	7690.4	7717.6	7730.9	7710.3	7674.6
5°	7309.1	7333.9	7367.8	7418.0	7493.1	7573.0	7649.2	7691.0	7704.3	7671.6	7620.2
6°	7209.2	7234.7	7269.2	7328.5	7409.0	7502.8	7594.8	7649.2	7657.7	7619.6	7551.2
7°	7103.9	7140.8	7179.0	7236.5	7319.4	7420.5	7524.6	7587.5	7595.4	7548.8	7473.7
8°	7002.9	7050.1	7092.4	7150.5	7229.8	7330.9	7439.2	7510.6	7520.3	7467.1	7384.7
9°	6894.5	6950.8	7005.3	7063.4	7137.2	7229.8	7338.1	7411.4	7421.1	7368.4	7286.7
10°	6766.8	6836.4	6900.6	6969.0	7034.3	7114.8	7215.3	7292.2	7304.9	7254.0	7190.5
11°	6622.2	6700.9	6778.9	6859.4	6926.0	6984.1	7070.6	7145.7	7163.8	7123.3	7084.0
12°	6452.1	6536.9	6628.2	6732.3	6801.9	6843.7	6907.8	6976.8	6999.8	6978.0	6969.0
13°	6254.8	6343.8	6452.1	6582.8	6662.7	6678.5	6729.3	6791.0	6815.2	6814.6	6840.1
14°	6034.6	6135.6	6251.2	6407.9	6496.9	6504.2	6529.0	6584.7	6611.9	6636.1	6694.2
15°	5800.0	5916.0	6040.0	6208.8	6312.9	6309.3	6314.7	6355.3	6395.2	6441.2	6528.4
16°	5554.1	5693.1	5815.7	5983.6	6090.8	6085.4	6080.5	6104.1	6155.0	6231.2	6339.6
17°	5302.2	5470.1	5593.9	5739.2	5842.6	5845.0	5822.7	5829.7	5895.1	5995.0	6115.6
18°	5033.2	5236.8	5362.2	5480.9	5569.4	5579.5	5543.2	5536.4	5610.2	5745.5	5865.1
19°	4744.6	4977.7	5115.3	5208.4	5271.2	5287.8	5241.0	5223.9	5309.2	5465.8	5582.2
20°	4431.2	4686.5	4835.1	4913.9	4948.4	4973.2	4920.0	4897.2	4986.1	5158.5	5281.5
21°	4095.4	4358.6	4519.9	4587.6	4605.0	4643.1	4584.3	4563.0	4654.0	4834.8	4955.2
22°	3744.7	4008.5	4176.5	4235.2	4253.1	4294.6	4243.4	4224.8	4319.4	4494.3	4615.4
23°	3397.2	3648.6	3817.2	3862.9	3882.2	3937.4	3898.4	3887.6	3978.7	4146.4	4256.4
24°	3056.8	3290.2	3444.7	3498.4	3521.3	3576.3	3553.9	3548.8	3643.2	3792.4	3893.2
25°	2743.2	2940.6	3089.8	3140.2	3161.3	3233.0	3212.7	3216.3	3312.4	3446.5	3531.1
26°	2452.0	2616.1	2747.0	2802.2	2825.1	2882.7	2876.8	2890.4	2983.6	3101.8	3180.8
27°	2203.6	2339.7	2451.2	2503.6	2518.9	2565.8	2565.1	2585.6	2672.8	2777.6	2845.9
28°	1993.7	2103.2	2188.2	2233.3	2243.7	2273.2	2281.5	2307.0	2380.0	2471.5	2535.8
29°	1828.6	1922.5	1984.2	2012.0	2009.0	2022.1	2037.7	2071.6	2129.1	2199.6	2258.2
30°	1698.8	1779.9	1820.0	1826.8	1811.8	1815.5	1840.6	1879.6	1920.8	1965.7	2014.1
31°	1595.9	1672.2	1698.2	1682.2	1653.4	1653.0	1685.9	1728.3	1756.7	1775.3	1817.0
32°	1514.8	1585.8	1597.6	1564.1	1528.2	1523.8	1563.4	1608.4	1627.2	1627.9	1655.5
33°	1448.3	1516.0	1521.4	1471.0	1424.7	1423.2	1465.1	1513.3	1522.8	1507.6	1526.8
34°	1391.0	1460.6	1454.6	1394.6	1342.8	1340.8	1386.2	1435.6	1440.0	1411.8	1424.0
35°	1341.6	1413.2	1398.0	1329.3	1271.5	1272.0	1318.9	1369.5	1370.6	1333.2	1338.5
36°	1296.3	1370.3	1347.9	1271.2	1210.2	1211.9	1260.7	1313.6	1310.3	1265.4	1267.9
37°	1252.1	1328.4	1300.1	1218.5	1159.8	1162.3	1209.5	1262.0	1254.8	1205.8	1206.4
38°	1205.8	1284.4	1253.1	1170.7	1109.3	1112.7	1164.1	1215.6	1203.7	1151.5	1151.9
39°	1157.9	1238.9	1205.0	1122.8	1058.8	1063.1	1118.6	1169.6	1155.6	1100.3	1100.6
40°	1110.0	1190.6	1152.3	1075.0	1007.5	1012.8	1073.2	1121.7	1104.9	1050.0	1050.5
41°	1062.0	1140.2	1099.7	1022.7	956.2	962.4	1023.6	1071.3	1053.2	1000.0	1001.1
42°	1005.5	1089.6	1046.8	966.5	904.5	911.4	971.8	1018.5	997.9	948.2	950.5
43°	950.2	1033.6	986.6	910.1	851.5	860.2	918.8	961.4	939.2	896.8	898.5
44°	895.6	976.7	926.9	851.0	797.1	807.6	865.6	903.5	877.4	843.1	846.7

REPORT NUMBER: P1440281

CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-Position 3

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	843.9	921.7	867.4	793.5	742.3	751.1	811.3	846.9	814.6	788.8	794.9
46°	793.2	868.5	813.4	740.0	691.0	696.4	758.6	792.2	752.6	732.9	744.2
47°	737.3	808.4	758.2	692.2	643.5	643.9	706.5	742.2	697.5	679.5	695.6
48°	673.4	746.3	692.5	633.3	590.8	587.6	650.0	687.9	640.3	629.1	648.4
49°	615.7	689.8	628.6	566.2	524.3	520.1	588.5	631.9	582.3	576.5	592.8
50°	566.9	651.5	581.0	506.0	453.6	460.4	523.2	573.7	538.2	523.5	539.7
51°	521.8	602.8	546.0	456.6	388.4	408.6	465.4	531.6	494.1	470.5	477.2
52°	485.7	552.8	505.3	402.3	330.2	354.4	421.4	489.6	450.1	417.6	414.5
53°	464.4	524.2	482.6	375.5	296.8	319.5	392.8	447.6	413.2	379.2	377.8
54°	437.5	497.8	458.6	345.1	262.0	294.0	372.1	410.2	376.5	348.2	349.7
55°	409.9	463.3	421.6	312.5	227.9	270.8	355.4	376.2	341.9	322.1	323.4
56°	371.1	424.2	381.7	281.6	199.9	251.7	337.6	348.3	312.3	301.9	299.8
57°	334.3	383.3	345.2	252.4	180.9	236.4	314.2	318.1	282.3	283.1	276.9
58°	307.2	348.1	312.7	226.3	167.9	222.2	291.1	290.0	251.8	257.3	256.0
59°	278.1	319.8	282.4	206.0	156.5	202.7	275.7	268.1	235.0	236.0	236.2
60°	247.6	289.1	252.6	190.8	146.4	182.9	252.3	245.6	212.1	222.4	218.0
61°	222.7	257.2	225.3	172.6	137.0	167.9	226.6	222.0	186.6	204.1	200.7
62°	201.3	229.2	200.6	155.3	128.6	156.2	207.5	204.7	168.2	185.5	184.2
63°	181.0	203.5	180.5	141.3	120.2	144.7	192.5	189.5	152.4	167.8	169.3
64°	165.6	181.7	162.8	130.0	113.1	133.9	175.3	174.0	138.7	152.9	155.2
65°	150.5	161.8	147.8	118.7	106.3	123.1	159.3	159.6	127.9	140.4	142.3
66°	136.6	145.5	134.6	109.6	99.6	112.3	144.7	146.0	117.9	128.4	130.5
67°	122.7	129.2	121.4	100.7	92.9	103.0	130.7	132.7	109.0	117.2	119.5
68°	108.8	112.9	108.2	91.7	86.3	94.8	116.7	119.9	100.4	106.4	108.4
69°	96.8	98.9	96.4	83.2	80.0	86.5	105.1	107.8	92.0	95.8	97.2
70°	84.7	86.8	85.6	76.4	73.8	78.5	94.2	96.4	83.9	85.8	86.7
71°	74.3	76.4	75.7	71.8	67.5	71.0	84.5	86.3	75.9	76.1	77.2
72°	64.9	67.0	66.7	68.4	61.3	64.2	75.6	79.5	68.6	67.8	68.7
73°	56.5	58.2	58.4	60.5	55.1	57.8	67.3	72.9	61.6	60.1	60.9
74°	48.5	50.1	50.4	51.4	48.9	51.4	59.3	62.9	55.0	53.5	54.1
75°	41.3	43.0	43.1	44.1	43.0	45.4	51.7	53.6	48.7	46.9	47.0
76°	35.2	36.6	36.7	37.5	37.5	39.8	44.4	46.2	42.5	40.3	40.0
77°	29.6	31.0	31.0	31.9	32.2	34.3	38.1	38.8	36.2	34.4	33.9
78°	24.6	25.9	25.8	27.0	27.0	29.0	32.3	32.9	30.7	29.2	28.3
79°	20.2	21.4	21.1	22.8	22.3	24.5	27.1	27.8	25.8	24.6	23.5
80°	16.3	17.3	17.0	18.7	18.2	20.2	22.3	22.8	21.1	20.1	19.2
81°	13.4	14.4	14.0	15.3	15.0	16.6	18.1	18.4	16.8	16.1	15.3
82°	10.6	11.4	11.0	11.8	11.7	13.0	14.8	14.8	13.3	12.6	11.6
83°	7.8	8.5	8.1	8.4	8.4	9.4	11.5	11.5	10.0	9.4	8.3
84°	6.3	6.9	6.6	6.1	6.7	7.3	8.2	8.4	7.6	6.9	5.7
85°	4.5	4.9	4.7	3.8	4.8	5.5	6.0	5.6	5.7	5.0	3.8
86°	2.3	2.5	2.6	2.0	2.8	3.4	3.7	3.6	3.7	3.0	2.0
87°	0.8	0.8	0.9	0.9	1.2	1.4	1.7	1.6	1.6	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	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1

REPORT NUMBER: P1440281

CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-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: P1440281

CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-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: P1440281
CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-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: P1440281

CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-Position 3

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	7701.3	7701.3	7701.3
1°	7721.2	7718.2	7709.1
2°	7715.8	7697.6	7680.7
3°	7684.3	7654.1	7627.4
4°	7628.0	7585.1	7553.0
5°	7556.6	7500.9	7463.4
6°	7476.1	7411.4	7367.2
7°	7387.8	7320.6	7272.2
8°	7297.6	7232.2	7187.4
9°	7212.9	7148.7	7100.3
10°	7125.1	7062.8	7007.7
11°	7032.5	6967.2	6900.0
12°	6934.5	6856.4	6771.1
13°	6814.6	6716.6	6617.9
14°	6673.0	6556.2	6444.3
15°	6503.6	6375.3	6252.4
16°	6312.3	6180.4	6052.1
17°	6102.3	5972.3	5840.3
18°	5867.3	5753.5	5619.8
19°	5613.4	5528.1	5391.3
20°	5339.6	5292.2	5149.9
21°	5041.4	5028.9	4881.1
22°	4724.9	4733.5	4581.3
23°	4374.6	4409.3	4254.9
24°	4012.0	4054.9	3908.6
25°	3648.6	3694.7	3561.1
26°	3286.2	3326.5	3209.8
27°	2940.4	2971.7	2870.6
28°	2615.2	2634.5	2553.9
29°	2322.9	2336.5	2283.1
30°	2072.3	2085.0	2059.6
31°	1869.5	1892.7	1883.9
32°	1709.3	1742.8	1746.8
33°	1582.6	1627.6	1641.6
34°	1482.5	1539.0	1558.3
35°	1400.4	1467.0	1491.1
36°	1334.6	1409.4	1435.1
37°	1277.8	1359.7	1386.9
38°	1225.1	1313.7	1342.1
39°	1174.0	1266.5	1296.5
40°	1123.4	1215.9	1247.6
41°	1072.0	1164.2	1196.7
42°	1017.1	1110.6	1141.7
43°	964.2	1055.9	1083.9
44°	911.3	997.6	1023.3

REPORT NUMBER: P1440281

CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-Position 3

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	857.1	937.3	957.4
46°	802.8	875.7	890.6
47°	747.7	815.8	825.7
48°	694.8	756.1	765.1
49°	639.0	692.8	700.8
50°	574.0	628.1	641.7
51°	519.6	558.2	595.3
52°	465.3	508.8	537.7
53°	411.1	459.9	485.6
54°	374.5	411.1	433.7
55°	344.6	380.9	397.8
56°	322.7	351.2	356.7
57°	296.3	316.4	317.2
58°	270.8	286.0	279.1
59°	247.8	260.6	252.4
60°	226.7	232.8	225.8
61°	208.2	208.4	201.9
62°	189.4	189.7	180.5
63°	171.3	172.2	162.5
64°	155.7	156.3	145.6
65°	141.9	141.4	131.2
66°	128.2	128.2	119.1
67°	114.9	117.0	108.1
68°	103.1	106.1	97.7
69°	91.9	95.8	88.2
70°	82.5	85.8	78.9
71°	74.0	76.7	70.7
72°	67.8	68.4	62.8
73°	64.9	60.2	55.5
74°	57.6	53.0	49.0
75°	48.2	45.9	42.6
76°	40.1	38.7	36.2
77°	34.6	32.6	30.7
78°	29.0	26.8	25.4
79°	23.5	21.5	20.0
80°	18.9	16.7	15.6
81°	14.4	12.6	11.9
82°	10.8	9.2	8.8
83°	7.7	6.7	6.3
84°	5.5	4.8	4.4
85°	3.3	2.8	2.5
86°	1.1	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: P1440281

CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-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: P1440281

CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-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: P1440281

CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-Position 3

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)