

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: P1440283

Luminaire Tested: XSF60-KNYK-5Hx5V-840-Position 1

Issue Date: 04/15/2026

Test Information

Test Method: LM-79-2024
Report Number: P1440283
Test Lab: THIRD PARTY NVLAP
Issue Date: 7/15/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XSF60-KNYK-5Hx5V-840-Position 1
Description: LUMARK ALL SELECTABLE LUMINAIRE 60W w/ NEMA 5 FLOOD DISTRIBUTION 4000K CCT 80 CRI LIGHT ENGINE AT Position 1
Light Source: (1) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9692.2 lumens
Efficiency: N/A
Efficacy: 153.8 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

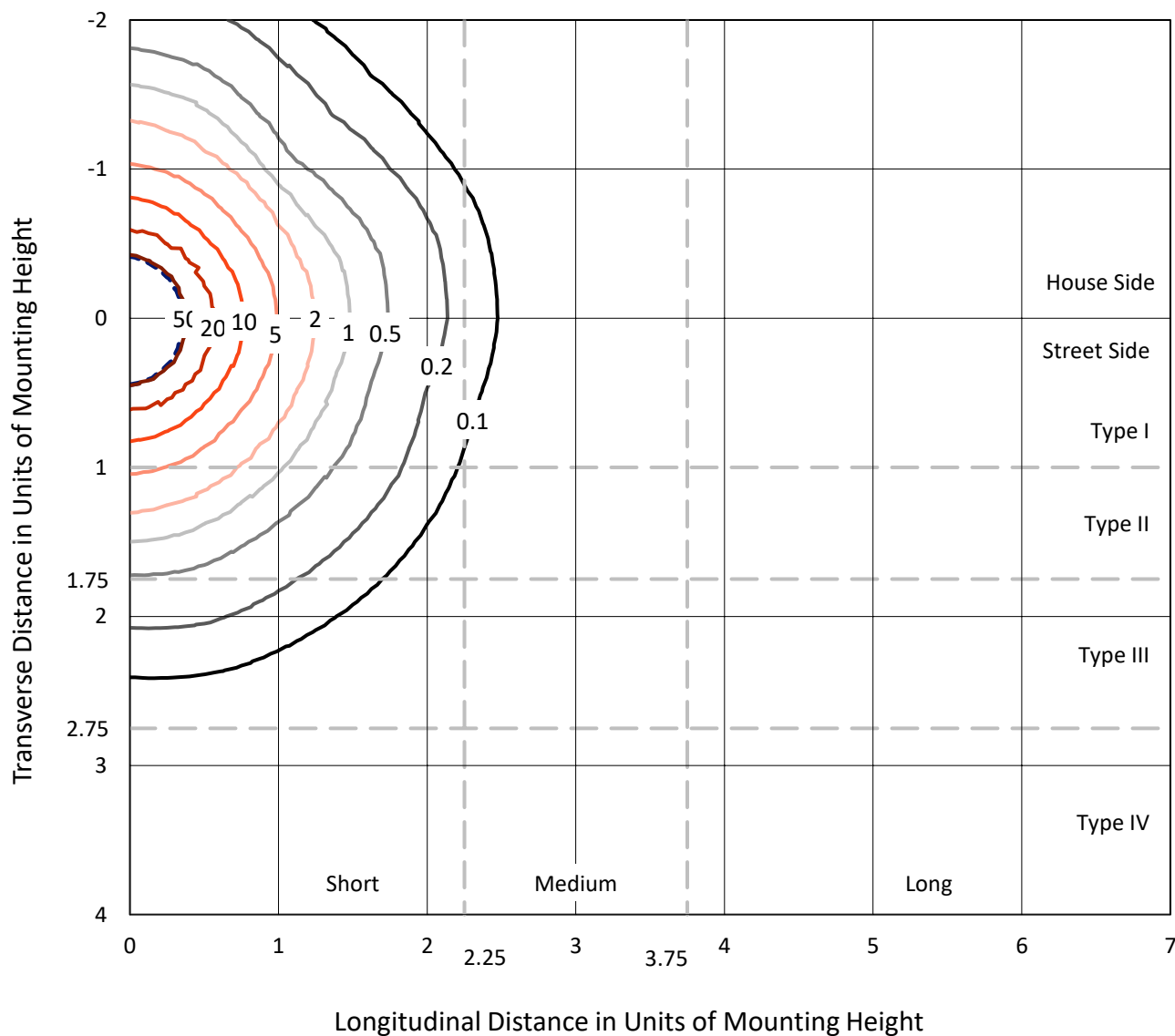
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



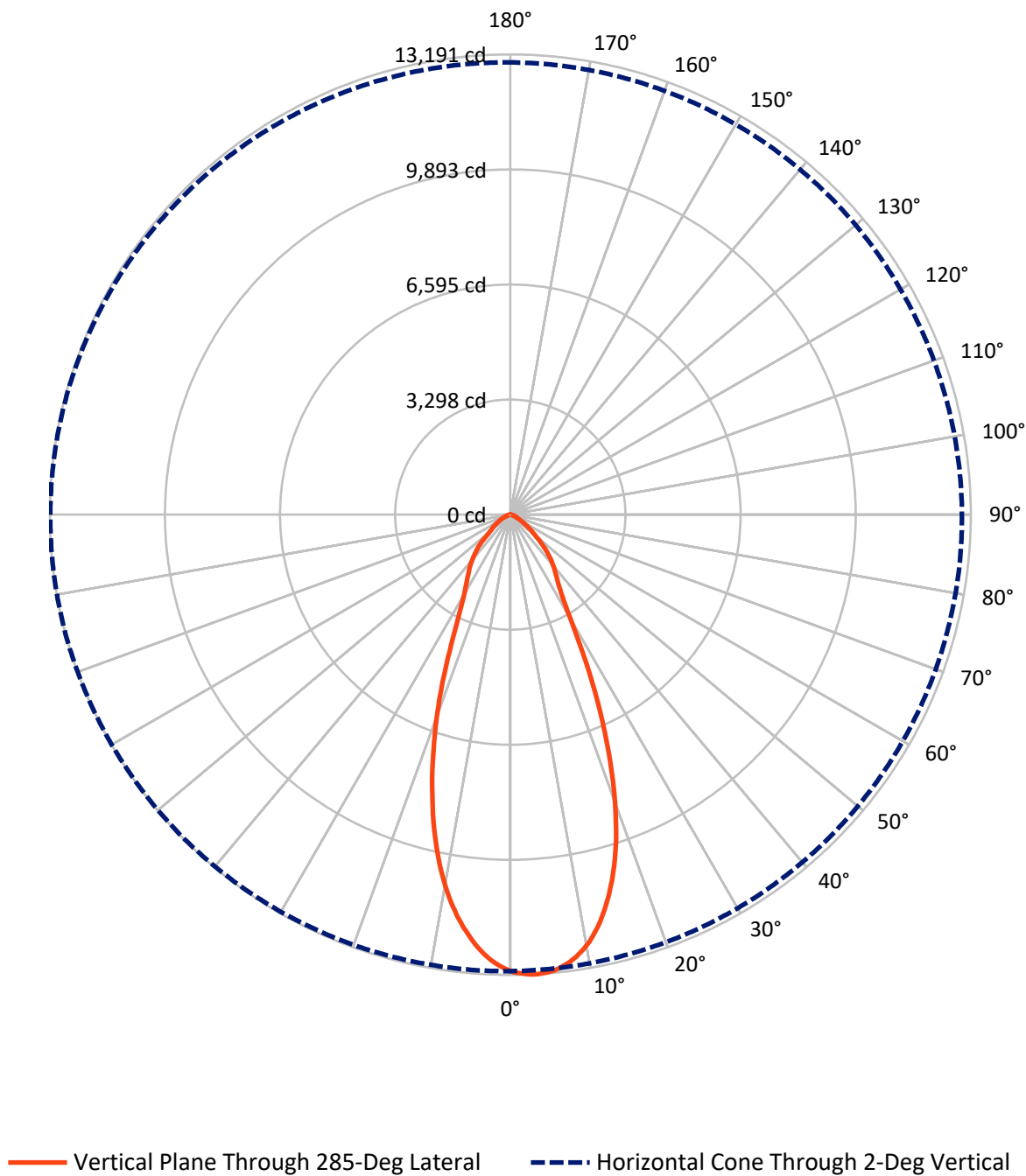
Based on 10 foot mounting height. Maximum calculated value = 131.2 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4709.1	0.0	4709.1
	% Fixture	48.6	0.0	48.6
Street Side	Lumens	4983.1	0.0	4983.1
	% Fixture	51.4	0.0	51.4
Total	Lumens	9692.2	0.0	9692.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1179.5	12.2
10°-20°	2788.0	28.8
20°-30°	2366.6	24.4
30°-40°	1447.2	14.9
40°-50°	1055.3	10.9
50°-60°	524.1	5.4
60°-70°	235.9	2.4
70°-80°	84.8	0.9
80°-90°	10.7	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°	9692.2	100.0
0°-180°	9692.2	100.0

Coefficient of Utilization



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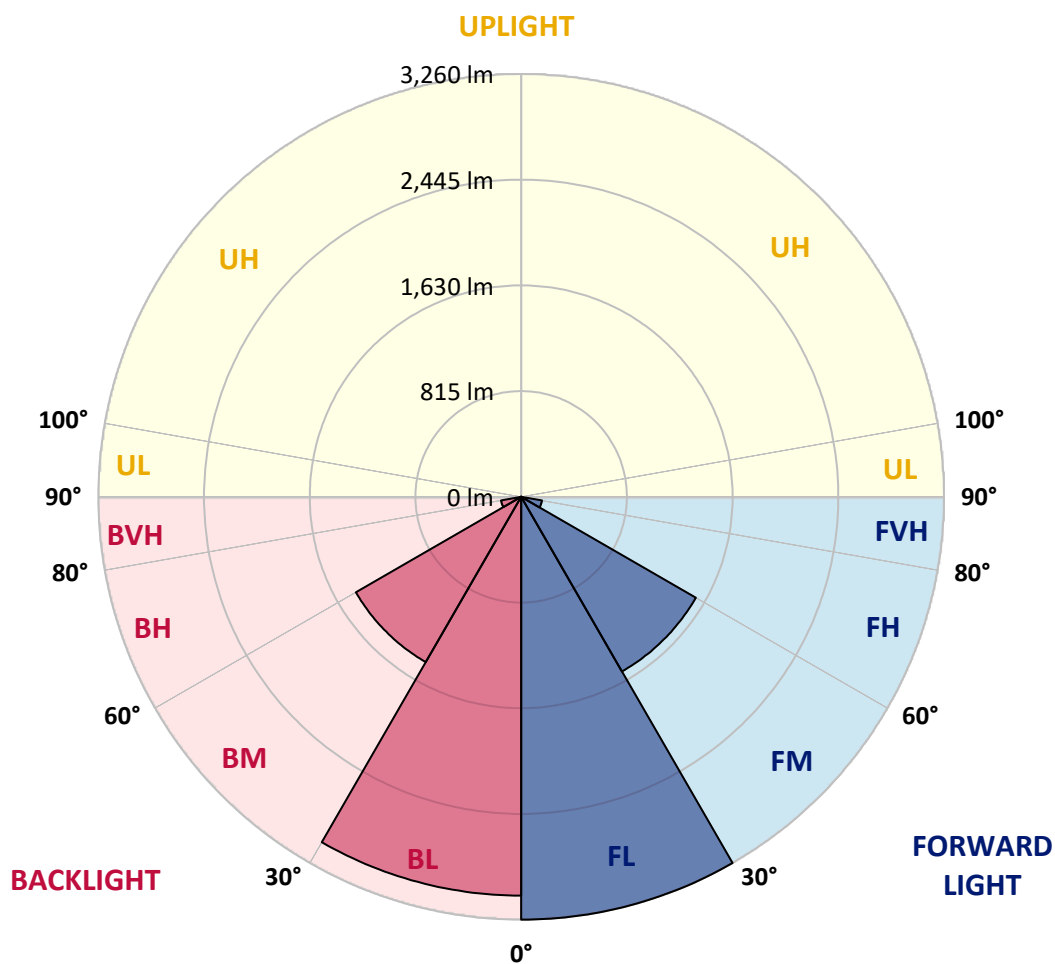
CATALOG NUMBER: XSF60-KNYK-5Hx5V-840-Position 1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3259.8	33.6			
FM	(30°-60°)	1555.3	16.0			
FH	(60°-80°)	162.9	1.7			G0/660
FVH	(80°-90°)	5.1	0.1			G0/10
BL	(0°-30°)	3074.3	31.7	B4/5000		
BM	(30°-60°)	1471.3	15.2	B2/2500		
BH	(60°-80°)	157.8	1.6	B1/500		G0/660
BVH	(80°-90°)	5.6	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



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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	13118.6	13118.6	13118.6	13118.6	13118.6	13118.6	13118.6	13118.6	13118.6	13118.6	13118.6
1°	13132.0	13112.4	13094.9	13080.5	13066.0	13054.7	13042.3	13028.9	13027.9	13031.0	13039.2
2°	13083.5	13047.5	13022.7	13003.1	12983.5	12958.8	12938.2	12917.6	12910.4	12913.4	12914.5
3°	12992.8	12949.5	12912.4	12883.5	12854.7	12825.8	12794.9	12774.3	12760.9	12759.8	12766.0
4°	12866.0	12806.2	12761.9	12733.0	12695.9	12666.0	12623.8	12598.0	12586.6	12587.7	12595.9
5°	12713.4	12655.7	12601.1	12553.7	12509.3	12474.3	12424.8	12392.8	12381.5	12391.8	12412.4
6°	12549.5	12484.6	12422.7	12358.8	12294.9	12245.4	12188.7	12151.6	12148.5	12176.3	12222.7
7°	12387.7	12313.4	12234.1	12144.4	12054.7	11990.8	11935.1	11896.9	11898.0	11943.3	12020.7
8°	12243.3	12150.6	12042.3	11918.6	11798.0	11713.4	11641.3	11611.4	11629.9	11701.1	11817.6
9°	12094.9	11986.6	11843.3	11676.3	11517.6	11407.3	11321.7	11298.0	11329.9	11434.1	11595.9
10°	11937.2	11808.3	11628.9	11422.7	11224.8	11083.5	10971.2	10955.7	11010.3	11149.5	11344.4
11°	11753.6	11611.4	11394.9	11151.6	10909.3	10725.8	10601.1	10585.6	10669.1	10837.1	11072.2
12°	11534.1	11371.2	11142.3	10853.6	10580.4	10355.7	10198.2	10192.6	10297.6	10501.1	10757.8
13°	11273.2	11099.0	10845.4	10528.9	10219.9	9950.5	9766.6	9767.5	9901.6	10131.6	10406.2
14°	10977.4	10777.4	10502.1	10177.4	9827.1	9522.5	9315.4	9319.6	9481.0	9730.1	10017.7
15°	10650.6	10436.1	10112.2	9788.7	9418.5	9073.6	8838.8	8853.9	9027.1	9297.8	9589.8
16°	10309.3	10048.2	9705.4	9371.4	8973.3	8604.8	8353.6	8363.7	8550.3	8843.5	9132.3
17°	9948.6	9645.4	9274.1	8922.6	8501.1	8113.7	7862.4	7875.4	8060.6	8354.0	8653.3
18°	9573.0	9235.4	8828.3	8450.0	8015.2	7623.9	7375.2	7373.1	7557.0	7850.1	8156.5
19°	9183.7	8808.6	8360.9	7949.3	7514.1	7124.9	6888.2	6883.5	7048.8	7315.2	7637.3
20°	8772.5	8353.5	7873.3	7441.4	7013.6	6638.7	6404.5	6395.9	6538.9	6769.8	7089.6
21°	8314.7	7856.5	7356.1	6926.5	6504.2	6149.9	5917.4	5904.1	6024.9	6219.9	6516.7
22°	7803.9	7343.3	6828.8	6404.6	6002.5	5657.9	5440.2	5419.1	5527.6	5677.4	5943.2
23°	7247.9	6785.3	6287.9	5874.2	5494.5	5172.2	4968.5	4937.5	5025.1	5147.9	5377.6
24°	6658.0	6215.0	5749.0	5354.0	5001.9	4706.6	4518.0	4483.3	4543.4	4635.4	4846.7
25°	6066.1	5661.7	5228.6	4858.8	4531.5	4274.8	4114.7	4062.0	4095.1	4165.3	4355.0
26°	5467.8	5110.5	4721.5	4383.0	4095.1	3886.4	3755.9	3697.4	3693.4	3748.1	3908.4
27°	4889.9	4592.7	4252.0	3947.3	3711.2	3556.0	3452.8	3389.9	3357.8	3385.5	3530.9
28°	4350.3	4112.2	3829.8	3566.9	3374.8	3270.2	3195.8	3127.5	3077.4	3088.4	3208.4
29°	3889.2	3702.3	3467.9	3244.0	3097.6	3029.3	2980.2	2911.9	2846.2	2841.7	2948.3
30°	3508.4	3355.5	3165.3	2972.2	2860.0	2828.5	2800.9	2730.4	2659.6	2641.9	2734.2
31°	3209.1	3085.4	2913.2	2744.9	2662.6	2661.9	2649.5	2582.5	2503.5	2477.4	2565.0
32°	2975.6	2867.3	2705.1	2561.0	2500.5	2521.1	2523.5	2452.5	2374.0	2341.2	2423.8
33°	2796.4	2696.6	2537.1	2404.5	2363.2	2400.9	2412.3	2341.2	2262.9	2222.7	2304.1
34°	2654.5	2561.2	2398.9	2271.7	2241.5	2295.3	2316.5	2243.0	2162.9	2122.0	2203.9
35°	2539.9	2447.7	2282.6	2155.0	2134.0	2197.3	2225.1	2150.8	2070.2	2028.3	2113.9
36°	2444.6	2351.0	2182.2	2049.2	2038.0	2108.6	2138.2	2065.3	1984.6	1943.2	2029.8
37°	2362.5	2263.8	2092.4	1956.8	1950.3	2023.4	2055.0	1986.3	1899.1	1858.0	1951.1
38°	2286.2	2180.0	2010.0	1872.7	1868.4	1940.2	1975.9	1907.2	1813.5	1772.9	1872.5
39°	2208.6	2096.7	1930.0	1790.7	1786.2	1856.1	1896.8	1828.0	1727.1	1685.1	1793.7
40°	2125.3	2013.3	1846.1	1706.6	1704.3	1767.2	1817.6	1743.0	1643.4	1599.3	1708.9
41°	2038.5	1927.3	1757.4	1621.8	1620.1	1677.4	1727.0	1659.6	1554.9	1515.0	1621.8
42°	1944.9	1836.2	1666.1	1536.3	1533.8	1581.6	1632.0	1569.4	1465.8	1429.6	1533.8
43°	1846.3	1739.7	1576.4	1448.1	1446.7	1482.7	1538.0	1483.3	1375.1	1341.8	1445.8
44°	1743.1	1639.3	1484.2	1362.8	1359.4	1387.0	1445.0	1397.2	1284.0	1255.7	1363.5

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CATALOG NUMBER: XSF60-KNYK-5Hx5V-840-Position 1

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	1630.8	1537.8	1393.1	1277.9	1276.6	1297.4	1356.3	1313.9	1198.3	1173.9	1283.1
46°	1517.0	1438.4	1302.1	1195.6	1195.3	1209.4	1260.3	1222.5	1111.2	1103.4	1207.7
47°	1406.5	1339.7	1213.2	1114.4	1104.4	1113.0	1158.0	1114.0	1003.4	1023.9	1124.5
48°	1303.3	1245.0	1119.5	1022.8	1009.8	1022.8	1061.7	1005.1	895.2	926.6	1022.4
49°	1193.8	1139.7	1009.2	924.5	924.5	933.8	971.4	899.3	799.3	829.5	909.2
50°	1093.1	1030.0	916.4	827.8	839.2	858.2	892.2	807.4	698.8	707.9	808.2
51°	1014.0	911.2	824.2	731.2	753.9	782.9	828.3	742.4	621.7	611.8	710.8
52°	915.9	829.1	732.0	664.6	688.8	723.0	771.5	693.7	567.1	533.7	641.8
53°	827.2	747.0	659.4	614.4	626.7	658.7	719.5	653.8	519.6	472.0	598.6
54°	738.8	691.0	608.7	580.6	569.7	594.2	660.7	622.1	479.6	412.5	551.9
55°	677.6	619.2	555.7	543.1	525.2	539.5	608.5	583.5	442.9	361.1	499.7
56°	607.6	558.3	511.0	498.5	494.8	497.8	564.1	546.7	408.2	320.2	446.3
57°	540.3	509.7	467.0	459.8	467.2	459.2	519.0	507.6	380.8	292.5	401.5
58°	475.4	462.9	427.7	423.2	429.3	415.3	474.8	479.1	353.7	272.3	361.8
59°	430.0	427.2	393.9	386.9	399.5	378.3	435.3	437.5	320.4	254.1	329.2
60°	384.7	402.1	363.2	353.7	367.5	332.4	402.1	395.8	294.5	237.7	301.4
61°	344.0	367.2	329.7	324.8	333.3	295.3	366.7	367.8	278.3	224.1	275.4
62°	307.4	328.6	298.9	297.5	303.2	273.5	335.0	341.6	257.7	210.5	253.3
63°	276.8	294.8	273.1	272.8	277.7	254.7	310.7	315.1	238.0	196.9	234.5
64°	247.9	269.9	250.8	251.2	255.4	233.2	285.2	284.8	219.3	185.1	217.0
65°	223.5	244.2	231.8	231.6	233.5	213.7	260.0	257.6	200.7	174.0	199.4
66°	202.8	221.2	212.8	212.9	213.0	196.2	236.1	233.1	184.2	162.6	183.2
67°	184.1	200.6	194.7	195.0	193.3	180.9	212.2	208.6	168.2	151.5	166.8
68°	166.5	180.4	176.4	176.7	174.1	165.9	188.4	184.2	152.5	140.7	150.8
69°	150.2	161.8	157.7	158.4	156.0	150.7	167.8	164.4	138.4	129.9	137.5
70°	134.4	143.9	140.8	141.2	139.1	136.4	151.3	147.7	125.6	119.3	132.4
71°	120.5	128.0	128.2	125.4	123.9	123.3	145.4	132.5	113.9	108.7	125.8
72°	107.0	113.6	125.7	111.3	110.0	110.8	129.9	118.1	102.9	98.5	113.1
73°	94.5	100.2	112.6	98.4	97.2	98.8	112.0	104.5	91.9	87.8	96.8
74°	83.5	88.0	95.4	87.0	86.0	87.8	96.0	91.8	81.5	77.7	83.7
75°	72.6	75.8	81.7	75.6	74.9	76.8	82.7	79.8	71.6	68.3	72.4
76°	61.6	63.6	68.2	64.3	63.8	65.7	71.5	68.9	62.1	59.2	61.9
77°	52.4	53.1	54.7	54.0	54.3	56.0	61.6	58.8	53.3	50.6	52.5
78°	43.2	43.0	45.6	44.8	45.8	47.3	53.1	49.5	45.2	41.9	44.1
79°	34.0	34.4	37.6	36.8	38.0	39.0	44.6	40.9	37.7	34.4	36.9
80°	26.5	26.7	30.0	29.7	30.4	31.6	36.3	33.3	30.7	27.9	30.2
81°	20.2	20.3	22.7	23.7	24.7	25.6	29.5	27.5	25.0	22.7	24.5
82°	15.0	15.4	17.4	17.7	18.9	20.1	23.9	21.7	19.4	17.5	18.7
83°	10.7	10.8	11.8	12.4	13.7	15.0	18.2	16.0	13.8	12.4	12.9
84°	7.5	7.6	8.3	8.9	10.0	11.0	12.5	11.7	10.3	9.0	8.9
85°	4.3	4.4	4.8	5.6	6.5	7.4	7.9	8.1	6.9	5.9	5.4
86°	1.1	1.2	1.4	2.2	3.0	4.4	4.3	4.3	3.6	3.2	2.8
87°	0.3	0.3	0.4	0.5	0.9	1.4	1.6	1.6	1.4	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



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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: P1440283

CATALOG NUMBER: XSF60-KNYK-5Hx5V-840-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: P1440283
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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: P1440283

CATALOG NUMBER: XSF60-KNYK-5Hx5V-840-Position 1

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	13118.6	13118.6	13118.6	13118.6	13118.6	13118.6	13118.6	13118.6	13118.6	13118.6	13118.6
1°	13049.5	13071.2	13080.5	13103.1	13118.6	13137.2	13151.6	13158.8	13156.7	13165.0	13168.1
2°	12932.0	12961.9	12991.8	13032.0	13079.4	13121.7	13158.8	13180.5	13190.8	13183.5	13173.2
3°	12786.6	12816.5	12864.0	12923.8	12998.0	13070.1	13142.3	13172.2	13188.7	13175.3	13143.3
4°	12620.7	12657.8	12713.4	12788.7	12893.9	12997.0	13100.0	13146.4	13169.1	13134.1	13073.2
5°	12450.6	12492.8	12550.6	12636.1	12764.0	12900.0	13029.9	13101.1	13123.8	13068.1	12980.5
6°	12280.5	12323.8	12382.5	12483.5	12620.7	12780.5	12937.2	13029.9	13044.4	12979.4	12862.9
7°	12101.1	12164.0	12228.9	12326.8	12468.1	12640.2	12817.6	12924.8	12938.2	12858.8	12731.0
8°	11928.9	12009.3	12081.5	12180.5	12315.5	12487.7	12672.2	12793.9	12810.4	12719.6	12579.4
9°	11744.4	11840.2	11933.0	12032.0	12157.8	12315.5	12500.0	12624.8	12641.3	12551.6	12412.4
10°	11526.8	11645.4	11754.7	11871.2	11982.5	12119.6	12290.8	12421.7	12443.3	12356.7	12248.5
11°	11280.5	11414.5	11547.5	11684.6	11798.0	11896.9	12044.4	12172.2	12203.1	12134.1	12067.1
12°	10990.8	11135.1	11290.8	11468.1	11586.6	11657.8	11767.0	11884.6	11923.8	11886.6	11871.2
13°	10654.7	10806.2	10990.8	11213.4	11349.5	11376.3	11462.9	11568.1	11609.3	11608.3	11651.6
14°	10279.6	10451.6	10648.5	10915.5	11067.0	11079.4	11121.7	11216.5	11262.9	11304.2	11403.1
15°	9879.9	10077.5	10288.7	10576.3	10753.6	10747.5	10756.7	10825.8	10893.9	10972.2	11120.7
16°	9461.1	9697.8	9906.6	10192.6	10375.3	10366.0	10357.8	10398.0	10484.6	10614.5	10799.0
17°	9031.9	9318.0	9528.9	9776.3	9952.5	9956.6	9918.6	9930.4	10041.9	10212.1	10417.6
18°	8573.6	8920.5	9134.2	9336.4	9487.1	9504.3	9442.5	9431.0	9556.6	9787.0	9990.8
19°	8082.2	8479.1	8713.5	8872.2	8979.2	9007.3	8927.7	8898.6	9043.8	9310.6	9508.9
20°	7548.2	7983.2	8236.3	8370.5	8429.2	8471.5	8380.9	8342.0	8493.4	8787.1	8996.6
21°	6976.3	7424.6	7699.4	7814.7	7844.3	7909.2	7809.1	7772.8	7927.9	8235.7	8440.9
22°	6378.9	6828.2	7114.4	7214.5	7244.9	7315.5	7228.3	7196.7	7357.8	7655.7	7862.1
23°	5786.8	6215.1	6502.3	6580.1	6613.0	6707.0	6640.7	6622.2	6777.4	7063.1	7250.5
24°	5207.0	5604.6	5867.8	5959.3	5998.3	6092.0	6053.8	6045.2	6206.0	6460.1	6631.9
25°	4672.9	5009.1	5263.3	5349.1	5385.1	5507.1	5472.6	5478.7	5642.5	5870.8	6015.0
26°	4176.8	4456.3	4679.3	4773.4	4812.3	4910.4	4900.4	4923.6	5082.4	5283.6	5418.3
27°	3753.6	3985.6	4175.4	4264.7	4290.8	4370.6	4369.5	4404.4	4553.0	4731.5	4847.7
28°	3396.1	3582.7	3727.4	3804.3	3822.1	3872.3	3886.4	3929.8	4054.2	4210.1	4319.6
29°	3114.9	3274.9	3380.0	3427.2	3422.3	3444.4	3471.0	3528.9	3626.7	3746.8	3846.7
30°	2893.7	3031.9	3100.3	3111.8	3086.2	3092.6	3135.4	3201.8	3272.0	3348.4	3430.8
31°	2718.5	2848.5	2892.8	2865.6	2816.5	2815.8	2871.8	2944.0	2992.5	3024.1	3095.1
32°	2580.3	2701.3	2721.5	2664.3	2603.1	2595.7	2663.1	2739.8	2771.9	2773.0	2820.0
33°	2467.1	2582.4	2591.6	2505.8	2426.9	2424.3	2495.8	2577.7	2594.0	2568.0	2600.7
34°	2369.5	2488.0	2477.8	2375.7	2287.4	2284.0	2361.3	2445.5	2452.9	2405.0	2425.7
35°	2285.4	2407.2	2381.5	2264.4	2165.9	2166.8	2246.7	2332.8	2334.6	2271.0	2280.0
36°	2208.2	2334.2	2296.1	2165.5	2061.5	2064.4	2147.5	2237.6	2232.0	2155.6	2159.8
37°	2132.8	2262.9	2214.6	2075.7	1975.6	1979.9	2060.3	2149.8	2137.4	2053.9	2055.1
38°	2054.0	2187.9	2134.5	1994.1	1889.6	1895.5	1982.9	2070.6	2050.4	1961.4	1962.2
39°	1972.4	2110.4	2052.6	1912.7	1803.6	1810.9	1905.5	1992.3	1968.5	1874.3	1874.9
40°	1890.7	2028.0	1962.9	1831.1	1716.2	1725.2	1828.0	1910.7	1882.2	1788.6	1789.4
41°	1809.0	1942.2	1873.3	1742.1	1628.9	1639.4	1743.7	1824.9	1794.1	1703.4	1705.4
42°	1712.8	1856.1	1783.2	1646.4	1540.8	1552.5	1655.4	1735.0	1699.9	1615.3	1619.1
43°	1618.7	1760.7	1680.6	1550.3	1450.5	1465.3	1565.1	1637.6	1599.8	1527.6	1530.5
44°	1525.7	1663.8	1579.0	1449.7	1357.7	1375.7	1474.4	1539.1	1494.5	1436.1	1442.4

REPORT NUMBER: P1440283

CATALOG NUMBER: XSF60-KNYK-5Hx5V-840-Position 1

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	1437.5	1570.0	1477.5	1351.7	1264.4	1279.4	1382.1	1442.7	1387.6	1343.7	1354.0
46°	1351.1	1479.4	1385.6	1260.5	1177.1	1186.3	1292.3	1349.5	1282.1	1248.5	1267.7
47°	1256.0	1377.1	1291.6	1179.2	1096.1	1096.8	1203.4	1264.2	1188.1	1157.4	1184.8
48°	1147.1	1271.3	1179.7	1078.8	1006.4	1001.0	1107.2	1171.9	1090.7	1071.7	1104.5
49°	1048.8	1175.1	1070.7	964.5	893.2	886.0	1002.4	1076.4	992.0	982.0	1009.8
50°	965.6	1109.8	989.7	862.0	772.6	784.2	891.3	977.3	916.8	891.8	919.3
51°	888.9	1026.8	930.1	777.7	661.6	696.0	792.8	905.5	841.7	801.5	812.9
52°	827.4	941.6	860.7	685.2	562.5	603.6	717.8	834.0	766.6	711.3	706.1
53°	791.0	892.9	822.0	639.7	505.5	544.3	669.2	762.5	703.8	645.9	643.6
54°	745.3	847.9	781.2	587.9	446.3	500.7	633.9	698.8	641.3	593.2	595.7
55°	698.3	789.2	718.2	532.3	388.3	461.3	605.5	640.8	582.3	548.7	550.9
56°	632.1	722.7	650.3	479.8	340.5	428.8	575.1	593.2	532.0	514.2	510.6
57°	569.4	653.0	588.0	430.0	308.1	402.6	535.1	541.8	480.9	482.3	471.7
58°	523.2	593.0	532.6	385.5	286.0	378.5	495.9	494.0	428.9	438.3	436.1
59°	473.7	544.8	481.1	351.0	266.6	345.2	469.6	456.6	400.3	402.1	402.4
60°	421.7	492.5	430.4	325.0	249.4	311.5	429.9	418.3	361.2	378.9	371.4
61°	379.3	438.1	383.8	294.0	233.3	286.0	386.1	378.2	317.9	347.7	341.8
62°	342.8	390.5	341.6	264.5	219.1	266.2	353.4	348.7	286.6	315.9	313.7
63°	308.3	346.7	307.4	240.7	204.8	246.5	328.0	322.7	259.6	285.8	288.4
64°	282.0	309.4	277.4	221.5	192.6	228.1	298.6	296.4	236.3	260.5	264.4
65°	256.4	275.7	251.8	202.2	181.1	209.6	271.4	271.9	217.8	239.2	242.4
66°	232.7	247.9	229.3	186.7	169.7	191.2	246.5	248.7	200.8	218.8	222.4
67°	209.0	220.0	206.8	171.5	158.2	175.4	222.6	226.1	185.7	199.7	203.6
68°	185.4	192.3	184.3	156.2	147.0	161.4	198.8	204.3	171.0	181.2	184.6
69°	164.8	168.5	164.2	141.7	136.3	147.3	179.0	183.7	156.8	163.2	165.6
70°	144.4	147.9	145.8	130.1	125.7	133.7	160.4	164.2	142.9	146.2	147.8
71°	126.6	130.1	128.9	122.2	115.0	120.9	144.0	147.0	129.4	129.7	131.6
72°	110.6	114.1	113.7	116.6	104.5	109.3	128.8	135.5	116.9	115.5	117.1
73°	96.2	99.1	99.4	103.1	93.8	98.4	114.6	124.2	105.0	102.4	103.7
74°	82.6	85.4	85.9	87.6	83.3	87.6	101.1	107.1	93.7	91.1	92.2
75°	70.4	73.2	73.4	75.1	73.3	77.4	88.1	91.3	83.0	79.9	80.1
76°	59.9	62.3	62.5	63.9	63.9	67.7	75.7	78.6	72.3	68.6	68.1
77°	50.5	52.7	52.8	54.4	54.8	58.4	65.0	66.0	61.7	58.7	57.8
78°	41.9	44.2	43.9	46.0	45.9	49.4	55.1	56.1	52.4	49.8	48.3
79°	34.4	36.5	36.0	38.8	38.0	41.7	46.2	47.4	44.0	41.9	40.1
80°	27.7	29.5	29.0	31.9	31.0	34.5	38.0	38.8	36.0	34.2	32.7
81°	22.9	24.5	23.9	26.0	25.5	28.3	30.8	31.4	28.6	27.4	26.1
82°	18.1	19.4	18.8	20.2	19.9	22.2	25.2	25.3	22.7	21.5	19.8
83°	13.3	14.4	13.8	14.3	14.4	16.1	19.6	19.7	17.1	15.9	14.1
84°	10.7	11.7	11.2	10.3	11.4	12.5	14.0	14.3	13.0	11.8	9.6
85°	7.7	8.3	8.1	6.5	8.2	9.3	10.2	9.5	9.7	8.5	6.5
86°	3.9	4.3	4.5	3.5	4.8	5.8	6.4	6.1	6.2	5.2	3.4
87°	1.4	1.4	1.6	1.5	2.0	2.4	2.9	2.7	2.7	1.8	1.0
88°	0.6	0.6	0.7	0.7	0.7	0.8	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: P1440283

CATALOG NUMBER: XSF60-KNYK-5Hx5V-840-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: P1440283

CATALOG NUMBER: XSF60-KNYK-5Hx5V-840-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: P1440283
CATALOG NUMBER: XSF60-KNYK-5Hx5V-840-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: P1440283

CATALOG NUMBER: XSF60-KNYK-5Hx5V-840-Position 1

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	13118.6	13118.6	13118.6
1°	13152.6	13147.5	13132.0
2°	13143.3	13112.4	13083.5
3°	13089.7	13038.2	12992.8
4°	12993.9	12920.7	12866.0
5°	12872.2	12777.4	12713.4
6°	12735.1	12624.8	12549.5
7°	12584.6	12470.1	12387.7
8°	12431.0	12319.6	12243.3
9°	12286.6	12177.4	12094.9
10°	12137.2	12031.0	11937.2
11°	11979.4	11868.1	11753.6
12°	11812.4	11679.4	11534.1
13°	11608.3	11441.3	11273.2
14°	11367.0	11168.1	10977.4
15°	11078.4	10859.8	10650.6
16°	10752.6	10527.9	10309.3
17°	10394.9	10173.4	9948.6
18°	9994.6	9800.8	9573.0
19°	9562.1	9416.7	9183.7
20°	9095.7	9015.0	8772.5
21°	8587.7	8566.3	8314.7
22°	8048.5	8063.2	7803.9
23°	7451.8	7511.0	7247.9
24°	6834.1	6907.2	6658.0
25°	6215.1	6293.7	6066.1
26°	5597.8	5666.5	5467.8
27°	5008.8	5062.1	4889.9
28°	4454.9	4487.6	4350.3
29°	3956.9	3980.1	3889.2
30°	3530.0	3551.7	3508.4
31°	3184.6	3224.1	3209.1
32°	2911.7	2968.8	2975.6
33°	2695.9	2772.5	2796.4
34°	2525.3	2621.6	2654.5
35°	2385.5	2498.9	2539.9
36°	2273.4	2400.8	2444.6
37°	2176.7	2316.2	2362.5
38°	2086.9	2237.8	2286.2
39°	1999.8	2157.3	2208.6
40°	1913.6	2071.2	2125.3
41°	1826.1	1983.2	2038.5
42°	1732.5	1891.8	1944.9
43°	1642.5	1798.7	1846.3
44°	1552.3	1699.4	1743.1

REPORT NUMBER: P1440283

CATALOG NUMBER: XSF60-KNYK-5Hx5V-840-Position 1

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	1460.0	1596.6	1630.8
46°	1367.5	1491.8	1517.0
47°	1273.7	1389.6	1406.5
48°	1183.6	1287.9	1303.3
49°	1088.6	1180.1	1193.8
50°	977.7	1070.0	1093.1
51°	885.1	950.8	1014.0
52°	792.6	866.7	915.9
53°	700.2	783.5	827.2
54°	637.9	700.3	738.8
55°	586.9	648.9	677.6
56°	549.7	598.2	607.6
57°	504.7	539.0	540.3
58°	461.2	487.2	475.4
59°	422.2	443.8	430.0
60°	386.1	396.6	384.7
61°	354.6	355.0	344.0
62°	322.7	323.2	307.4
63°	291.8	293.4	276.8
64°	265.2	266.3	247.9
65°	241.7	240.8	223.5
66°	218.4	218.3	202.8
67°	195.7	199.3	184.1
68°	175.6	180.8	166.5
69°	156.6	163.2	150.2
70°	140.5	146.1	134.4
71°	126.0	130.6	120.5
72°	115.5	116.5	107.0
73°	110.5	102.5	94.5
74°	98.2	90.3	83.5
75°	82.0	78.2	72.6
76°	68.4	66.0	61.6
77°	58.9	55.5	52.4
78°	49.5	45.6	43.2
79°	40.0	36.6	34.0
80°	32.1	28.5	26.5
81°	24.6	21.5	20.2
82°	18.4	15.7	15.0
83°	13.1	11.5	10.7
84°	9.4	8.1	7.5
85°	5.7	4.8	4.3
86°	1.9	1.5	1.1
87°	0.5	0.4	0.3
88°	0.2	0.2	0.2
89°	0.1	0.1	0.1

REPORT NUMBER: P1440283

CATALOG NUMBER: XSF60-KNYK-5Hx5V-840-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: P1440283

CATALOG NUMBER: XSF60-KNYK-5Hx5V-840-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: P1440283

CATALOG NUMBER: XSF60-KNYK-5Hx5V-840-Position 1

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)