

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: P1440276

Luminaire Tested: XSF60-KNYK-4Hx4V-850-Position 2

Issue Date: 04/15/2026

Test Information

Test Method: LM-79-2024
Report Number: P1440276
Test Lab: THIRD PARTY NVLAP
Issue Date: 7/15/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XSF60-KNYK-4Hx4V-850-Position 2
Description: LUMARK ALL SELECTABLE LUMINAIRE 60W w/ NEMA 4 FLOOD DISTRIBUTION 5000K CCT 80 CRI LIGHT ENGINE AT Position 2
Light Source: (1) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7787.9 lumens
Efficiency: N/A
Efficacy: 165.7 lumens/watt
Luminous Opening: Rectangular (W 0.3' x L: 0.3' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G0

Input Watts (W): 47
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

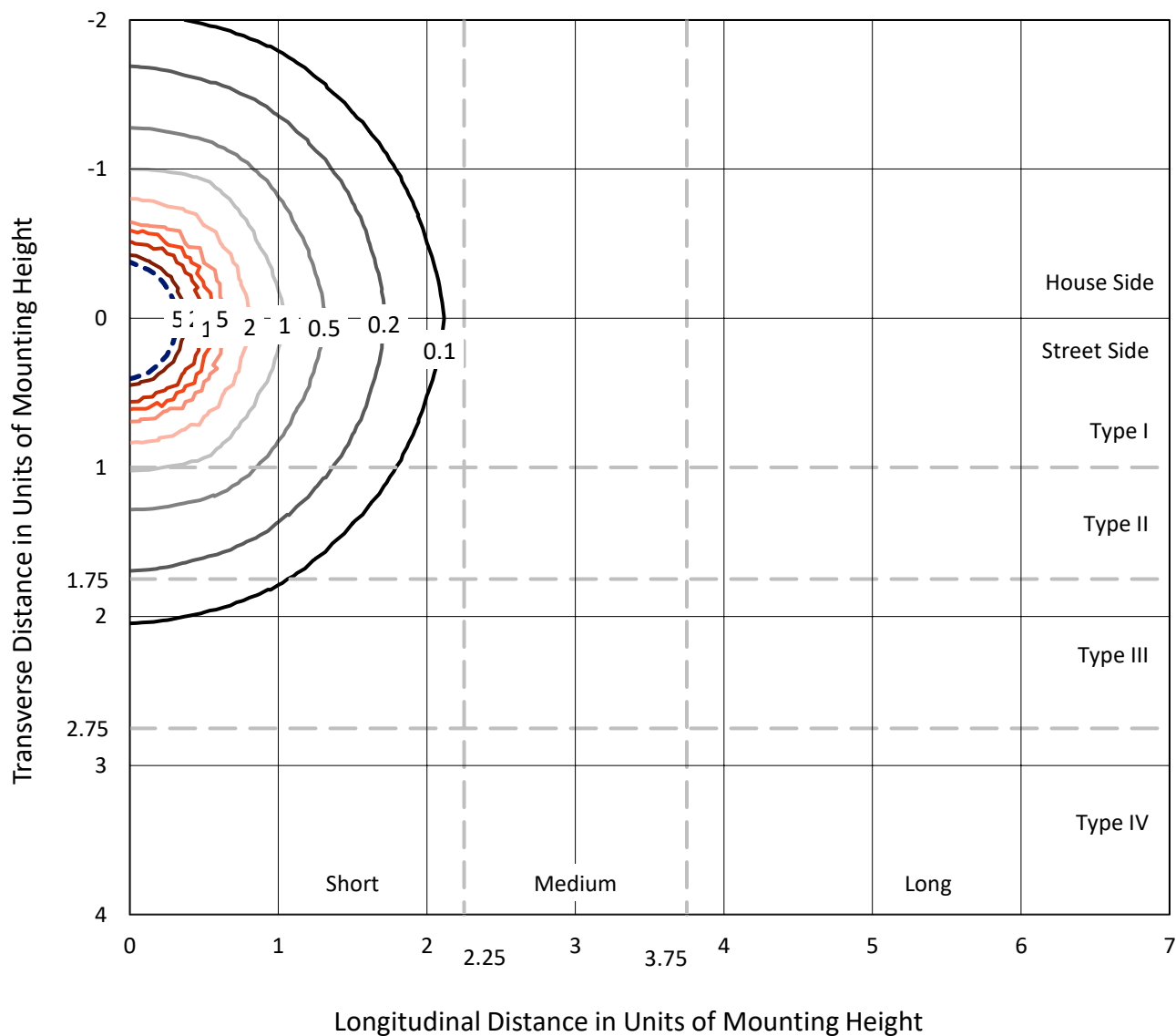
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



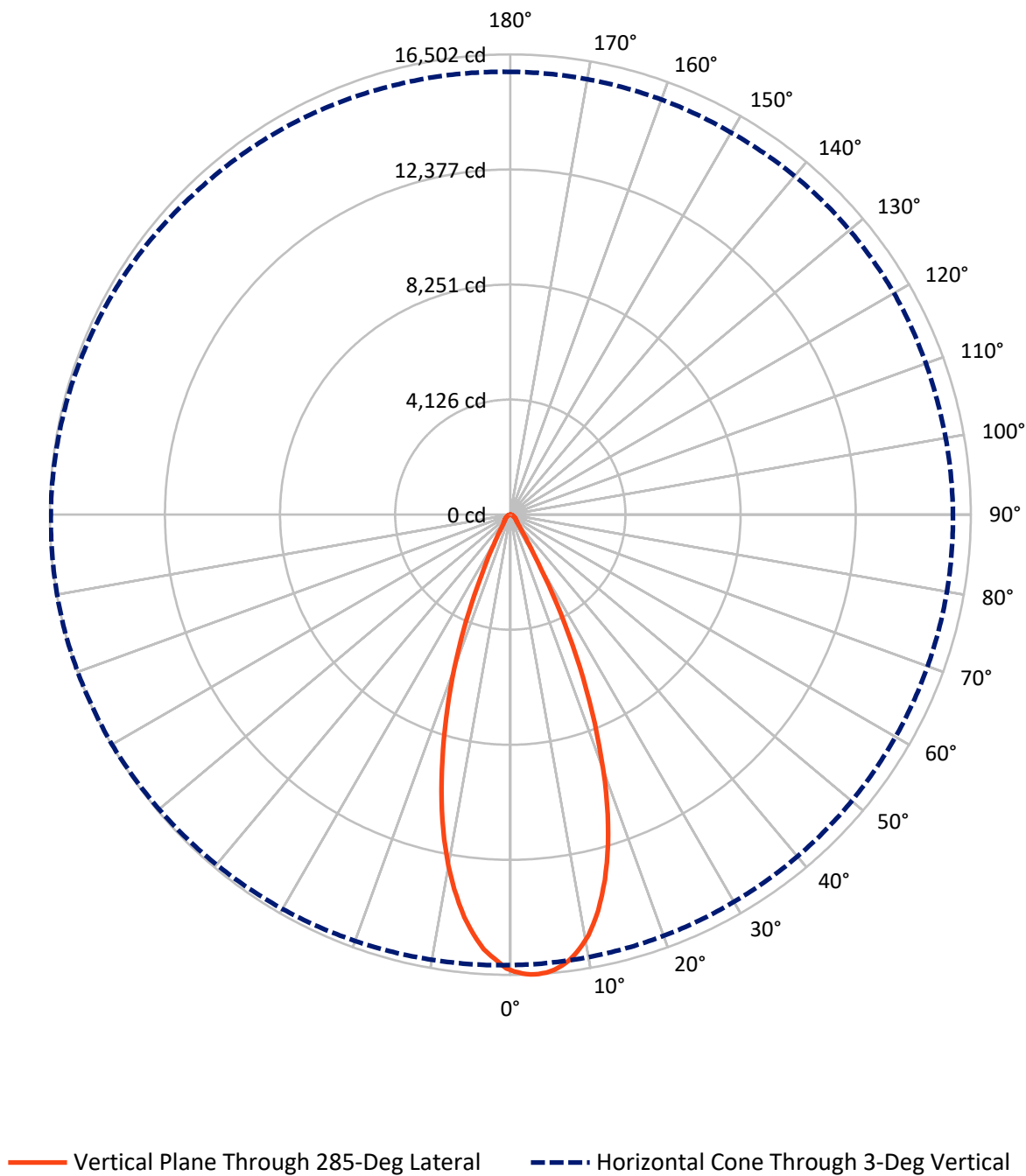
Based on 10 foot mounting height. Maximum calculated value = 163.8 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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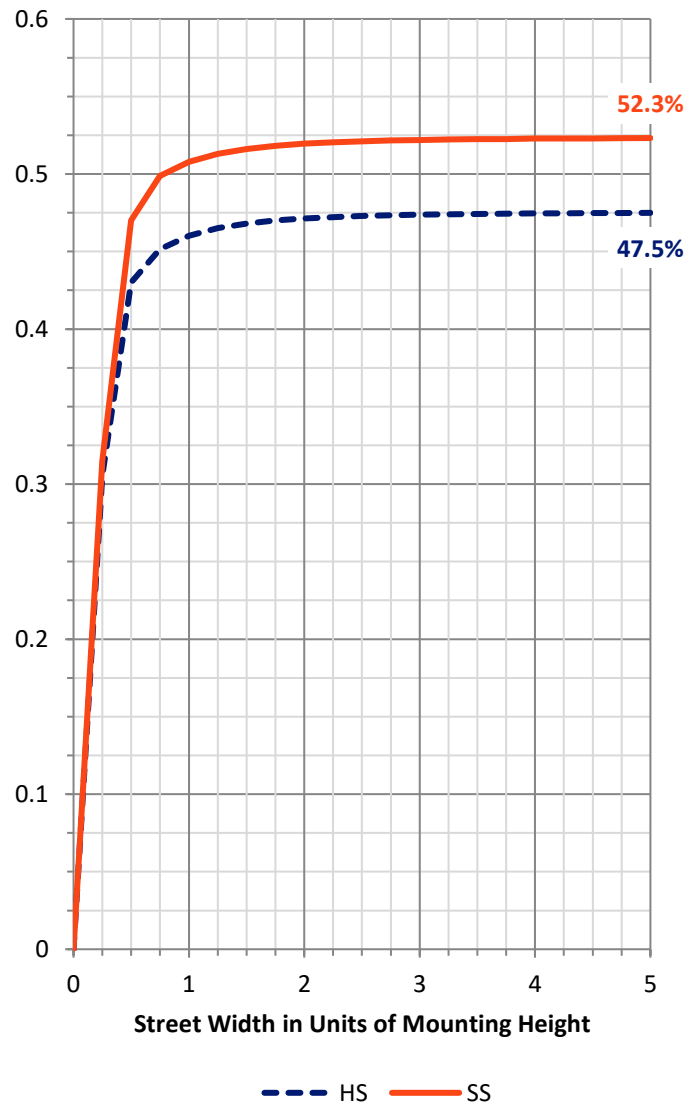
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3750.5	0.0	3750.5
	% Fixture	48.2	0.0	48.2
Street Side	Lumens	4037.4	0.0	4037.4
	% Fixture	51.8	0.0	51.8
Total	Lumens	7787.9	0.0	7787.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1450.4	18.6
10°-20°	3225.0	41.4
20°-30°	2065.4	26.5
30°-40°	460.2	5.9
40°-50°	239.6	3.1
50°-60°	174.2	2.2
60°-70°	112.2	1.4
70°-80°	53.7	0.7
80°-90°	7.4	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°	7787.9	100.0
0°-180°	7787.9	100.0

Coefficient of Utilization



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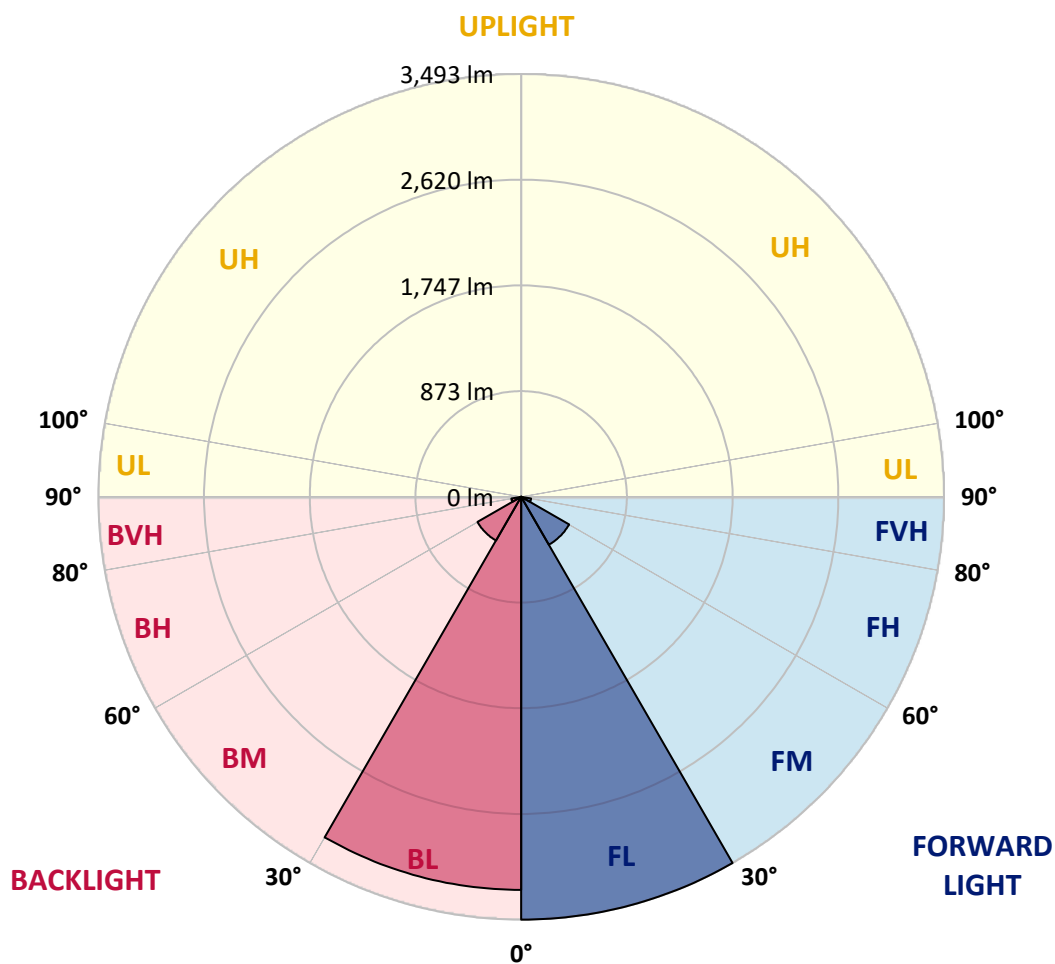
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3493.2	44.9			
FM	(30°-60°)	457.5	5.9			
FH	(60°-80°)	83.3	1.1			G0/660
FVH	(80°-90°)	3.5	0.0			G0/10
BL	(0°-30°)	3247.5	41.7	B4/5000		
BM	(30°-60°)	416.5	5.3	B1/1000		
BH	(60°-80°)	82.6	1.1	B0/110		G0/110
BVH	(80°-90°)	3.9	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 I Short



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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	16379.9	16379.9	16379.9	16379.9	16379.9	16379.9	16379.9	16379.9	16379.9	16379.9	16379.9
1°	16385.9	16366.4	16335.0	16307.9	16284.2	16259.6	16272.3	16267.2	16259.6	16257.9	16257.9
2°	16307.9	16261.3	16207.9	16175.7	16135.8	16110.4	16068.0	16050.2	16071.4	16063.0	16038.4
3°	16152.0	16090.9	16029.1	15987.5	15939.2	15901.1	15862.9	15833.3	15880.7	15866.3	15818.9
4°	15942.6	15874.8	15802.8	15746.0	15696.8	15645.1	15657.0	15612.9	15590.0	15588.4	15598.5
5°	15701.1	15618.0	15540.0	15472.2	15400.2	15329.0	15341.7	15288.3	15271.4	15279.0	15304.4
6°	15444.3	15354.4	15262.9	15161.2	15064.6	14976.4	14970.5	14923.1	14920.5	14945.1	15011.2
7°	15197.6	15094.3	14967.1	14825.6	14695.1	14587.4	14565.4	14526.4	14520.5	14592.5	14706.1
8°	14965.4	14843.4	14670.5	14472.2	14293.3	14141.6	14114.5	14064.5	14089.1	14210.3	14384.0
9°	14731.5	14593.4	14364.5	14096.7	13849.3	13662.8	13609.4	13576.4	13626.4	13792.5	14042.5
10°	14503.5	14314.5	14042.5	13700.9	13383.1	13155.1	13069.5	13046.7	13137.3	13359.4	13665.3
11°	14236.6	14010.3	13683.1	13281.4	12900.0	12597.5	12496.6	12485.6	12609.3	12877.2	13244.1
12°	13897.6	13657.7	13300.9	12833.1	12394.9	12026.2	11872.8	11870.3	12045.7	12358.5	12767.8
13°	13507.7	13240.7	12847.5	12342.4	11846.6	11416.0	11225.3	11224.5	11441.5	11801.7	12244.9
14°	13058.5	12767.8	12328.0	11805.9	11274.5	10772.8	10532.1	10549.0	10799.9	11198.2	11661.8
15°	12572.0	12243.2	11754.2	11227.9	10638.9	10094.8	9823.6	9838.8	10123.6	10545.6	11021.9
16°	12050.8	11673.7	11127.0	10603.3	9965.1	9385.4	9091.3	9115.0	9410.0	9863.4	10332.1
17°	11516.0	11082.1	10490.5	9927.8	9271.8	8659.9	8366.8	8386.1	8679.4	9143.0	9626.1
18°	10991.4	10473.6	9823.6	9233.7	8556.5	7957.9	7649.4	7658.4	7936.8	8396.7	8893.8
19°	10424.4	9844.7	9133.7	8504.8	7812.5	7246.9	6938.0	6934.8	7187.2	7610.5	8123.7
20°	9820.2	9180.3	8423.5	7726.3	7099.1	6535.7	6240.3	6228.8	6459.0	6820.4	7326.7
21°	9143.8	8450.6	7657.0	6995.2	6385.9	5824.5	5537.7	5520.7	5724.1	6024.8	6479.6
22°	8374.0	7822.5	6888.9	6265.3	5657.1	5115.3	4843.3	4824.8	4997.8	5236.4	5641.1
23°	7512.0	6934.6	6120.8	5511.1	4940.9	4420.2	4161.9	4139.8	4292.3	4477.5	4825.0
24°	6648.4	6040.0	5343.3	4778.2	4242.8	3751.6	3508.0	3479.7	3608.0	3756.4	4057.4
25°	5784.9	5197.7	4585.2	4065.7	3576.9	3141.1	2923.5	2882.7	2978.0	3100.3	3356.1
26°	4911.2	4393.4	3862.6	3399.8	2966.9	2599.1	2416.7	2361.6	2425.3	2523.5	2726.3
27°	4027.6	3621.8	3193.5	2805.6	2442.0	2139.4	2066.7	2014.5	2059.2	2136.6	2205.0
28°	3215.6	2915.7	2594.2	2288.9	1991.7	1755.0	1716.7	1667.2	1693.2	1749.6	1865.9
29°	2549.4	2329.6	2106.1	1865.3	1635.3	1447.7	1367.3	1321.3	1330.6	1366.6	1526.8
30°	1997.3	1852.6	1699.0	1520.5	1345.5	1196.5	1140.4	1098.4	1101.1	1128.0	1189.5
31°	1574.9	1483.7	1379.0	1249.6	1115.4	1000.0	960.1	924.1	925.2	948.3	989.1
32°	1251.1	1194.1	1134.2	1038.6	936.8	850.2	820.5	786.7	789.7	810.4	837.5
33°	1021.1	982.9	944.4	875.0	795.6	755.5	712.4	681.6	684.5	702.1	722.8
34°	847.3	823.5	802.1	776.0	707.9	661.8	630.4	599.6	600.8	619.3	636.0
35°	747.4	730.8	718.4	677.2	620.9	568.2	565.4	535.5	535.2	553.2	569.8
36°	648.8	639.2	635.0	578.4	534.0	512.2	514.6	484.9	483.7	501.8	519.3
37°	550.2	547.6	551.7	517.8	481.1	467.4	473.7	444.2	441.1	459.3	478.9
38°	493.3	493.0	502.3	470.2	438.8	430.6	439.6	410.4	407.2	425.3	446.9
39°	448.3	448.9	463.3	430.6	404.1	400.0	412.2	383.0	378.9	397.3	421.3
40°	411.6	413.3	431.8	397.7	375.8	374.8	389.3	360.2	355.6	374.5	400.0
41°	381.7	384.1	405.6	371.7	352.2	353.6	370.1	341.0	336.0	355.4	382.2
42°	355.9	359.8	383.6	350.0	332.4	335.9	354.0	324.4	319.1	339.3	366.3
43°	334.1	339.2	364.5	331.5	314.8	320.1	340.1	310.4	304.8	325.6	352.4
44°	314.9	321.6	347.4	315.4	299.1	306.2	327.6	298.1	291.5	313.8	340.2

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CATALOG NUMBER: XSF60-KNYK-4Hx4V-850-Position 2

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	298.1	305.7	332.4	301.3	285.2	293.5	316.3	286.8	279.6	302.5	327.9
46°	282.8	291.4	318.7	289.0	272.9	282.1	305.3	275.9	268.7	291.4	314.9
47°	269.6	278.5	306.1	278.2	261.6	271.4	293.3	265.3	258.3	280.0	300.5
48°	257.3	266.5	294.3	267.9	251.2	260.4	281.1	254.9	248.6	268.6	286.0
49°	245.4	254.3	281.8	257.8	241.1	249.9	269.2	244.8	239.1	257.0	271.1
50°	234.1	242.5	268.6	247.6	231.6	239.4	256.8	234.8	229.8	245.6	256.6
51°	223.7	230.6	254.6	236.8	222.2	228.8	244.1	224.7	220.9	234.4	242.5
52°	214.0	219.1	240.5	226.2	213.0	217.8	231.7	215.0	211.9	223.2	228.8
53°	205.1	208.3	226.8	215.5	204.0	207.4	220.0	205.4	203.0	212.3	215.7
54°	196.4	197.5	213.3	204.9	195.1	197.3	208.3	196.3	194.3	201.5	203.1
55°	187.8	187.2	200.4	194.5	186.5	187.7	197.5	187.5	185.9	191.3	192.3
56°	179.3	177.3	187.9	184.2	178.2	178.9	188.4	178.7	177.4	181.1	181.8
57°	171.1	168.1	176.4	174.1	170.1	170.6	179.2	169.8	169.0	170.9	171.3
58°	162.6	159.1	166.3	164.3	162.2	162.5	170.1	161.6	161.3	161.0	162.0
59°	154.6	150.8	156.9	154.6	154.6	155.0	161.9	153.8	153.8	151.7	153.0
60°	146.4	142.6	147.7	145.1	146.8	147.7	153.9	146.3	146.2	142.9	144.5
61°	138.8	134.9	138.8	136.3	139.2	140.9	146.4	139.3	138.6	135.1	136.3
62°	131.4	127.7	130.9	128.5	132.2	134.2	140.4	132.9	131.5	128.3	129.8
63°	124.0	121.0	123.8	121.5	125.2	127.9	136.1	126.8	124.7	121.9	124.2
64°	117.0	114.9	118.1	115.2	118.4	121.7	131.7	120.8	118.0	115.7	119.1
65°	110.0	108.9	113.1	109.1	111.7	115.6	126.4	114.5	111.3	109.5	113.3
66°	103.1	103.1	108.2	102.9	104.9	109.6	120.7	108.3	104.4	103.5	106.4
67°	96.4	97.4	102.0	96.8	98.0	103.8	114.3	102.2	97.4	97.8	98.5
68°	89.6	91.4	94.3	90.7	90.8	97.3	107.4	95.8	90.1	91.8	90.3
69°	82.4	85.4	86.7	84.2	83.2	90.5	99.8	89.1	82.1	85.3	84.9
70°	75.6	78.7	80.1	77.4	76.0	83.7	94.1	82.3	74.2	78.7	90.7
71°	68.7	72.3	81.8	70.6	68.8	76.7	103.2	75.4	67.3	71.9	94.3
72°	61.9	65.9	83.6	63.9	61.6	69.7	94.4	68.4	61.0	64.9	87.2
73°	55.9	59.5	85.3	57.0	55.1	62.7	79.6	61.6	54.7	57.8	72.3
74°	50.3	52.9	70.8	50.6	49.1	56.1	66.9	55.0	48.7	50.9	61.6
75°	44.7	46.1	56.7	44.2	43.2	49.7	57.6	49.0	43.2	44.8	53.7
76°	39.4	40.2	46.9	38.4	37.8	43.2	50.6	43.6	37.7	38.7	46.6
77°	34.1	34.4	39.6	33.0	32.7	36.8	44.6	37.7	32.6	32.7	40.2
78°	28.9	28.5	33.5	27.7	27.7	30.9	39.1	31.6	27.6	27.2	34.1
79°	23.8	23.0	28.0	22.7	23.0	25.4	33.5	26.1	23.0	22.6	28.7
80°	19.0	18.1	22.5	18.1	18.7	20.5	28.0	21.7	19.0	18.0	23.4
81°	14.8	13.8	17.1	14.0	14.7	16.1	22.8	17.2	14.9	13.4	18.9
82°	10.9	10.1	12.6	10.2	11.1	12.3	18.4	12.8	11.0	10.2	14.3
83°	8.7	8.1	8.6	8.0	8.5	9.5	14.0	9.9	8.7	8.0	9.8
84°	6.5	6.1	5.7	5.8	6.6	7.2	9.6	8.1	6.9	6.4	7.0
85°	4.4	4.1	2.9	3.6	4.8	5.0	6.0	6.0	5.0	4.5	4.1
86°	0.9	1.0	1.0	1.6	2.1	2.8	3.1	3.3	2.6	2.4	1.9
87°	0.2	0.2	0.2	0.4	0.6	0.9	1.2	1.1	0.8	0.9	0.8
88°	0.1	0.1	0.1	0.1	0.2	0.2	0.4	0.4	0.4	0.4	0.4
89°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2

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CATALOG NUMBER: XSF60-KNYK-4Hx4V-850-Position 2

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: P1440276

CATALOG NUMBER: XSF60-KNYK-4Hx4V-850-Position 2

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: P1440276
CATALOG NUMBER: XSF60-KNYK-4Hx4V-850-Position 2

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: P1440276

CATALOG NUMBER: XSF60-KNYK-4Hx4V-850-Position 2

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	16379.9	16379.9	16379.9	16379.9	16379.9	16379.9	16379.9	16379.9	16379.9	16379.9	16379.9
1°	16280.8	16292.6	16321.5	16346.0	16374.0	16396.9	16417.2	16441.8	16457.9	16463.8	16457.9
2°	16062.1	16085.0	16134.2	16240.1	16307.9	16375.7	16430.8	16478.2	16500.3	16498.6	16464.7
3°	15843.5	15877.4	15946.9	16058.7	16152.0	16298.6	16404.5	16470.6	16502.0	16482.5	16407.1
4°	15623.9	15669.7	15758.7	15876.5	15996.9	16164.7	16340.1	16431.6	16468.1	16421.5	16303.7
5°	15354.4	15407.8	15499.4	15640.9	15840.9	16030.8	16248.6	16367.2	16399.4	16307.0	16148.6
6°	15079.0	15152.7	15247.7	15393.4	15617.2	15895.2	16077.4	16256.2	16279.1	16167.2	15964.6
7°	14812.9	14906.1	15016.3	15162.1	15389.2	15669.7	15905.3	16090.1	16118.9	15980.8	15753.6
8°	14545.1	14669.6	14791.7	14936.6	15147.6	15435.8	15733.3	15885.0	15908.7	15762.1	15520.6
9°	14262.0	14413.7	14554.4	14708.6	14907.0	15168.0	15462.9	15627.3	15645.1	15497.7	15273.1
10°	13939.1	14123.8	14293.3	14471.3	14645.1	14869.7	15140.9	15307.0	15345.1	15196.8	15012.9
11°	13561.1	13772.1	13983.2	14201.8	14369.6	14534.0	14770.5	14923.9	14961.2	14852.7	14735.8
12°	13127.2	13357.7	13601.8	13877.2	14056.0	14158.6	14344.2	14478.1	14534.9	14474.7	14445.1
13°	12629.7	12869.5	13156.0	13497.5	13702.6	13743.3	13869.6	13981.5	14054.3	14045.0	14103.5
14°	12075.4	12328.0	12646.6	13058.5	13286.5	13291.6	13362.8	13439.1	13527.2	13575.5	13728.9
15°	11478.8	11783.9	12105.9	12549.2	12809.3	12795.8	12807.7	12840.7	12945.8	13075.5	13298.4
16°	10857.5	11223.6	11552.5	11977.9	12252.5	12228.0	12208.5	12190.7	12323.7	12527.1	12812.7
17°	10232.9	10674.5	10997.4	11372.0	11638.1	11624.5	11559.3	11490.6	11658.4	11933.9	12246.6
18°	9563.4	10094.8	10433.8	10721.9	10942.3	10949.9	10855.0	10735.5	10916.8	11272.8	11599.1
19°	8833.7	9456.6	9814.2	10043.9	10193.1	10224.4	10071.9	9939.7	10146.5	10564.3	10894.8
20°	8049.1	8723.5	9126.0	9298.1	9378.6	9432.0	9280.3	9111.6	9326.1	9783.7	10104.9
21°	7193.5	7913.0	8323.9	8486.2	8522.6	8604.0	8426.1	8277.3	8497.2	8958.2	9278.6
22°	6312.7	7016.2	7450.8	7596.5	7634.3	7741.8	7589.2	7438.5	7661.9	8111.2	8416.0
23°	5425.5	6090.6	6515.7	6664.9	6719.2	6857.7	6722.2	6599.5	6826.3	7244.6	7517.1
24°	4571.6	5152.6	5568.2	5728.1	5808.0	5986.3	5875.3	5760.6	5990.7	6377.6	6617.9
25°	3760.7	4242.8	4630.7	4819.7	4931.7	5116.5	5038.9	4929.2	5167.7	5510.6	5718.7
26°	3034.8	3409.2	3760.4	3973.4	4110.3	4281.5	4208.7	4125.2	4357.0	4686.6	4861.7
27°	2420.7	2690.1	2994.0	3233.3	3361.8	3496.2	3439.2	3362.3	3578.0	3881.4	4053.4
28°	2023.2	2235.2	2346.3	2570.4	2704.6	2787.1	2738.7	2688.1	2870.2	3139.3	3305.9
29°	1625.7	1780.4	1956.1	2151.2	2154.1	2199.0	2160.3	2125.7	2266.2	2489.7	2649.2
30°	1231.4	1327.0	1565.7	1731.8	1770.0	1789.6	1765.5	1684.8	1778.5	1948.2	2083.1
31°	1008.6	1077.6	1181.6	1317.3	1386.3	1382.4	1370.9	1351.5	1413.5	1531.5	1644.5
32°	841.2	890.4	967.3	1075.1	1125.8	1116.4	1108.2	1101.9	1141.5	1218.6	1304.3
33°	718.1	751.8	811.7	896.8	932.4	915.9	914.4	917.4	941.9	989.2	1052.5
34°	625.8	648.2	692.9	764.5	784.9	769.2	771.4	775.7	793.7	821.8	866.1
35°	553.5	568.2	604.3	665.0	674.5	658.4	664.0	687.1	706.5	726.5	762.2
36°	498.9	507.3	536.9	591.4	590.2	575.6	582.9	599.2	620.1	632.2	659.2
37°	454.4	459.7	483.4	534.2	526.0	512.6	521.0	539.4	533.7	537.9	556.2
38°	419.0	421.5	441.6	490.8	475.9	462.6	471.3	494.1	484.0	484.2	498.4
39°	390.0	390.8	408.4	456.5	436.2	424.1	431.7	456.7	443.4	440.5	453.1
40°	366.3	365.0	381.4	428.8	404.1	391.5	399.2	426.1	410.2	404.9	416.3
41°	346.6	343.5	358.8	405.9	377.7	365.1	372.4	400.8	382.9	375.0	387.0
42°	329.8	324.8	340.2	386.0	356.5	342.3	349.5	380.0	359.2	349.7	362.3
43°	315.4	308.9	324.2	368.5	338.4	323.2	330.0	362.5	339.1	328.3	341.8
44°	302.7	294.7	310.4	353.1	322.7	306.4	313.3	347.1	321.9	309.7	324.3

REPORT NUMBER: P1440276

CATALOG NUMBER: XSF60-KNYK-4Hx4V-850-Position 2

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	291.1	282.1	298.5	339.5	308.9	291.3	298.4	333.9	307.0	293.8	309.2
46°	279.9	270.5	287.6	326.7	296.8	277.8	285.6	321.9	293.5	279.2	295.8
47°	268.5	259.3	276.7	314.2	285.6	265.6	274.0	310.8	281.6	266.1	283.9
48°	256.9	249.0	265.8	300.9	274.8	254.3	263.8	300.4	270.8	254.6	273.1
49°	245.5	239.1	254.8	286.1	263.6	244.1	254.7	290.0	261.2	244.5	263.2
50°	234.1	229.5	243.8	271.4	252.1	234.3	245.1	278.7	252.3	234.7	253.8
51°	222.9	220.4	233.1	256.3	240.5	224.6	235.6	266.0	242.3	225.5	244.1
52°	211.9	211.0	222.5	241.8	229.0	215.2	225.5	253.1	231.9	216.3	234.0
53°	201.2	202.3	211.4	227.8	217.5	206.2	215.7	239.5	221.6	207.5	223.8
54°	191.3	194.0	200.9	213.9	205.8	197.2	205.9	225.9	211.3	198.9	213.0
55°	181.8	185.6	190.7	200.5	194.4	188.5	196.4	212.3	200.5	190.1	202.0
56°	172.3	177.1	180.5	189.1	184.2	179.7	186.8	199.5	190.2	181.4	190.5
57°	163.9	168.6	170.3	177.7	174.0	171.0	177.2	187.5	179.9	172.9	179.7
58°	155.6	160.9	160.7	166.4	163.8	162.7	167.7	177.1	170.6	164.5	169.5
59°	147.3	153.2	151.0	156.8	154.7	154.8	158.9	167.6	161.6	156.4	159.6
60°	139.4	145.7	141.6	147.3	145.6	146.9	150.2	159.0	152.9	148.5	149.8
61°	132.4	138.3	133.4	138.4	137.3	139.5	142.0	150.5	144.3	140.8	140.2
62°	126.2	131.1	126.5	131.0	129.5	132.3	134.6	142.7	136.4	133.3	131.2
63°	120.4	124.1	120.5	124.7	122.7	125.4	128.2	136.2	129.4	126.1	123.4
64°	114.7	117.2	114.8	119.8	116.3	118.5	122.4	131.7	123.2	119.2	116.7
65°	109.1	110.0	109.1	114.9	110.4	112.0	116.8	128.6	117.1	112.7	110.8
66°	103.1	103.1	103.5	109.5	104.6	105.3	111.2	125.0	111.4	106.1	104.9
67°	97.1	96.4	97.8	102.9	98.8	98.7	105.2	120.2	105.4	99.6	99.2
68°	90.8	89.3	91.7	95.1	93.1	91.9	99.2	114.6	99.7	93.0	93.5
69°	84.4	81.7	85.2	87.7	87.2	84.8	93.2	108.0	93.8	86.2	87.6
70°	77.9	74.4	78.9	83.8	80.8	77.4	86.8	100.8	87.5	78.5	81.4
71°	71.4	67.9	72.4	85.1	74.3	70.4	80.2	93.5	81.3	71.9	74.8
72°	64.6	61.8	65.9	89.0	67.6	64.0	73.4	92.8	74.4	65.4	68.1
73°	58.0	56.2	59.4	79.0	60.8	57.8	66.3	89.8	67.5	58.9	61.5
74°	51.4	50.5	52.7	64.4	54.0	51.7	59.5	76.5	60.7	52.7	54.8
75°	45.3	44.9	46.3	54.4	47.5	45.9	53.0	65.2	53.7	46.8	48.2
76°	39.4	39.5	40.4	46.4	41.3	40.4	46.6	53.9	47.4	41.2	42.0
77°	33.7	34.3	34.8	40.1	35.2	35.1	41.0	46.3	41.7	35.8	36.2
78°	28.4	29.3	29.2	34.3	29.5	30.1	35.3	39.9	35.4	30.7	30.6
79°	23.5	24.6	24.0	29.0	24.2	25.3	29.5	34.0	29.3	25.8	25.2
80°	19.5	20.5	19.9	24.0	19.9	21.1	24.1	28.5	23.8	21.2	20.4
81°	15.5	16.5	15.8	19.5	15.6	16.9	19.9	23.4	18.8	16.9	16.1
82°	11.4	12.4	11.8	15.0	11.4	12.7	15.7	18.6	14.6	13.0	12.1
83°	9.9	10.8	10.0	10.5	8.9	9.8	11.5	14.4	10.9	9.7	8.5
84°	9.5	10.5	9.8	7.9	8.2	8.5	9.5	10.4	9.2	7.7	6.7
85°	7.6	8.3	7.9	4.9	6.8	7.1	8.0	7.5	6.7	5.7	4.8
86°	3.9	4.3	4.6	2.5	4.2	4.7	5.2	4.6	4.3	3.8	2.8
87°	1.1	1.1	1.4	1.0	1.7	1.5	1.9	1.7	1.8	1.4	0.8
88°	0.4	0.5	0.5	0.5	0.5	0.6	0.8	0.6	0.5	0.3	0.2
89°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1

REPORT NUMBER: P1440276

CATALOG NUMBER: XSF60-KNYK-4Hx4V-850-Position 2

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: P1440276

CATALOG NUMBER: XSF60-KNYK-4Hx4V-850-Position 2

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: P1440276
CATALOG NUMBER: XSF60-KNYK-4Hx4V-850-Position 2

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: P1440276

CATALOG NUMBER: XSF60-KNYK-4Hx4V-850-Position 2

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	16379.9	16379.9	16379.9
1°	16438.4	16413.8	16385.9
2°	16417.2	16362.1	16307.9
3°	16325.7	16235.0	16152.0
4°	16169.7	16041.8	15942.6
5°	15976.5	15822.3	15701.1
6°	15748.5	15568.9	15444.3
7°	15513.8	15327.3	15197.6
8°	15285.8	15098.5	14965.4
9°	15050.2	14879.8	14731.5
10°	14826.4	14658.6	14503.5
11°	14594.2	14418.8	14236.6
12°	14341.7	14130.6	13897.6
13°	14033.2	13778.1	13507.7
14°	13664.5	13361.9	13058.5
15°	13239.9	12903.4	12572.0
16°	12750.0	12409.3	12050.8
17°	12209.3	11878.8	11516.0
18°	11619.4	11331.3	10991.4
19°	10982.1	10777.9	10424.4
20°	10266.0	10183.7	9820.2
21°	9524.4	9529.5	9143.8
22°	8708.2	8787.9	8374.0
23°	7862.4	7964.1	7512.0
24°	6950.6	7051.2	6648.4
25°	6038.3	6138.0	5784.9
26°	5126.1	5224.6	4911.2
27°	4260.5	4316.5	4027.6
28°	3453.3	3446.7	3215.6
29°	2749.2	2706.3	2549.4
30°	2151.5	2104.0	1997.3
31°	1687.6	1639.9	1574.9
32°	1336.8	1298.1	1251.1
33°	1075.1	1047.1	1021.1
34°	887.5	864.8	847.3
35°	784.6	762.3	747.4
36°	683.0	660.9	648.8
37°	581.5	559.4	550.2
38°	525.5	502.4	493.3
39°	484.0	457.1	448.3
40°	450.0	420.1	411.6
41°	423.8	390.5	381.7
42°	401.6	365.5	355.9
43°	382.9	344.2	334.1
44°	366.0	325.7	314.9

REPORT NUMBER: P1440276

CATALOG NUMBER: XSF60-KNYK-4Hx4V-850-Position 2

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	350.5	309.4	298.1
46°	336.0	294.8	282.8
47°	322.6	281.6	269.6
48°	310.1	270.3	257.3
49°	297.8	259.6	245.4
50°	285.4	249.3	234.1
51°	272.5	239.2	223.7
52°	258.1	228.8	214.0
53°	243.3	218.8	205.1
54°	228.1	208.6	196.4
55°	213.5	198.3	187.8
56°	198.7	188.0	179.3
57°	185.5	177.5	171.1
58°	173.3	167.0	162.6
59°	162.2	156.5	154.6
60°	152.8	146.7	146.4
61°	143.6	137.4	138.8
62°	134.7	128.8	131.4
63°	126.8	121.4	124.0
64°	120.3	115.1	117.0
65°	114.6	109.2	110.0
66°	110.1	103.7	103.1
67°	105.2	98.0	96.4
68°	98.1	92.1	89.6
69°	90.1	86.1	82.4
70°	82.9	79.8	75.6
71°	82.4	73.3	68.7
72°	82.0	66.9	61.9
73°	81.6	60.5	55.9
74°	74.2	54.2	50.3
75°	60.6	48.0	44.7
76°	49.9	41.5	39.4
77°	42.0	35.7	34.1
78°	35.5	30.1	28.9
79°	29.6	24.4	23.8
80°	24.0	19.3	19.0
81°	18.5	14.8	14.8
82°	13.8	10.8	10.9
83°	9.8	8.8	8.7
84°	7.0	6.9	6.5
85°	4.2	4.9	4.4
86°	1.5	1.4	0.9
87°	0.3	0.3	0.2
88°	0.1	0.1	0.1
89°	0.1	0.1	0.1

REPORT NUMBER: P1440276

CATALOG NUMBER: XSF60-KNYK-4Hx4V-850-Position 2

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: P1440276

CATALOG NUMBER: XSF60-KNYK-4Hx4V-850-Position 2

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: P1440276

CATALOG NUMBER: XSF60-KNYK-4Hx4V-850-Position 2

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)