

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: P1440268

Luminaire Tested: XSF60-KNYK-4Hx4V-830-Position 2

Issue Date: 04/15/2026

Test Information

Test Method: LM-79-2024
Report Number: P1440268
Test Lab: THIRD PARTY NVLAP
Issue Date: 7/15/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XSF60-KNYK-4Hx4V-830-Position 2
Description: LUMARK ALL SELECTABLE LUMINAIRE 60W w/ NEMA 4 FLOOD DISTRIBUTION 3000K CCT 80 CRI LIGHT ENGINE AT Position 2
Light Source: (1) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7347.1 lumens
Efficiency: N/A
Efficacy: 156.3 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

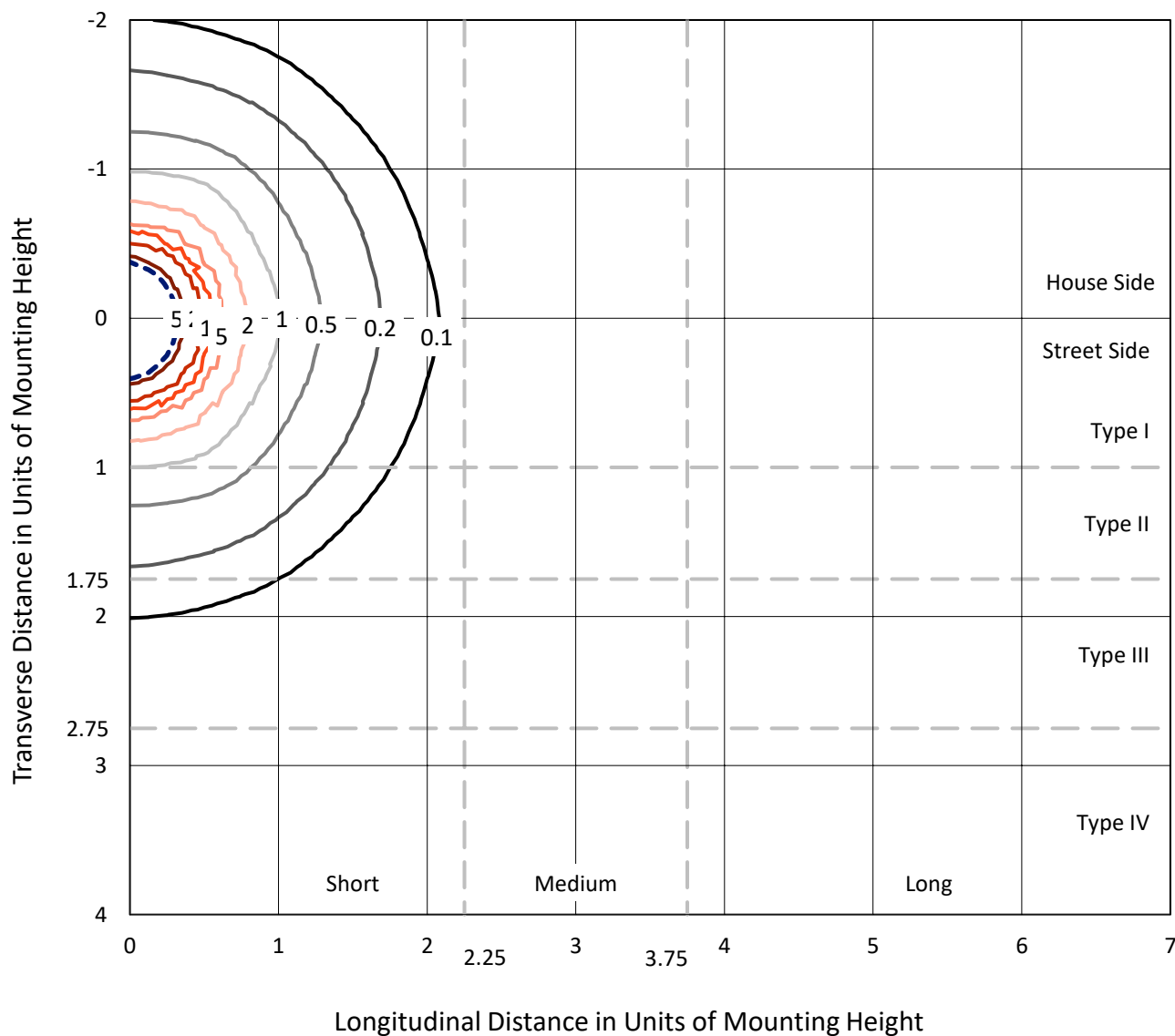
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



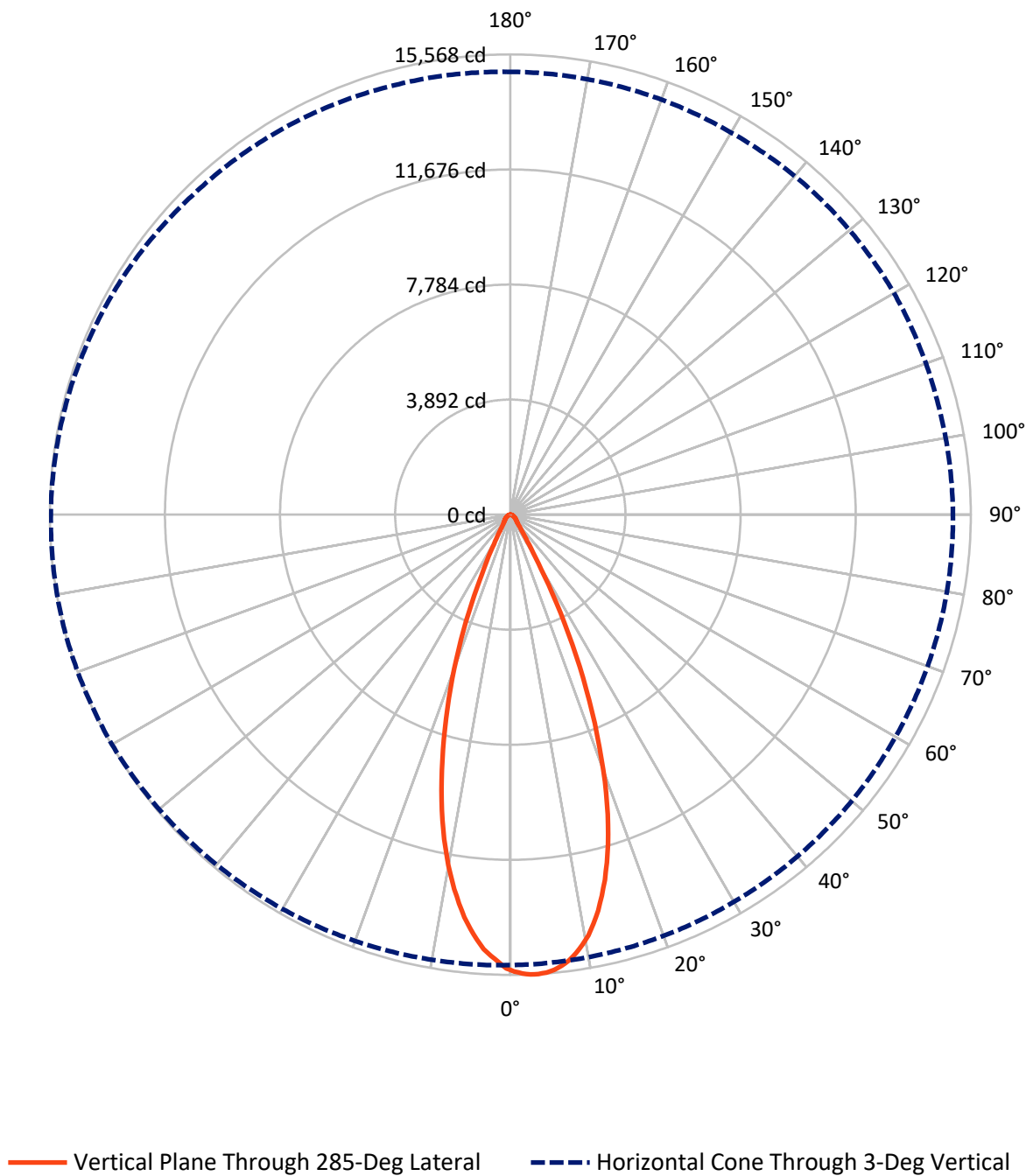
Based on 10 foot mounting height. Maximum calculated value = 154.5 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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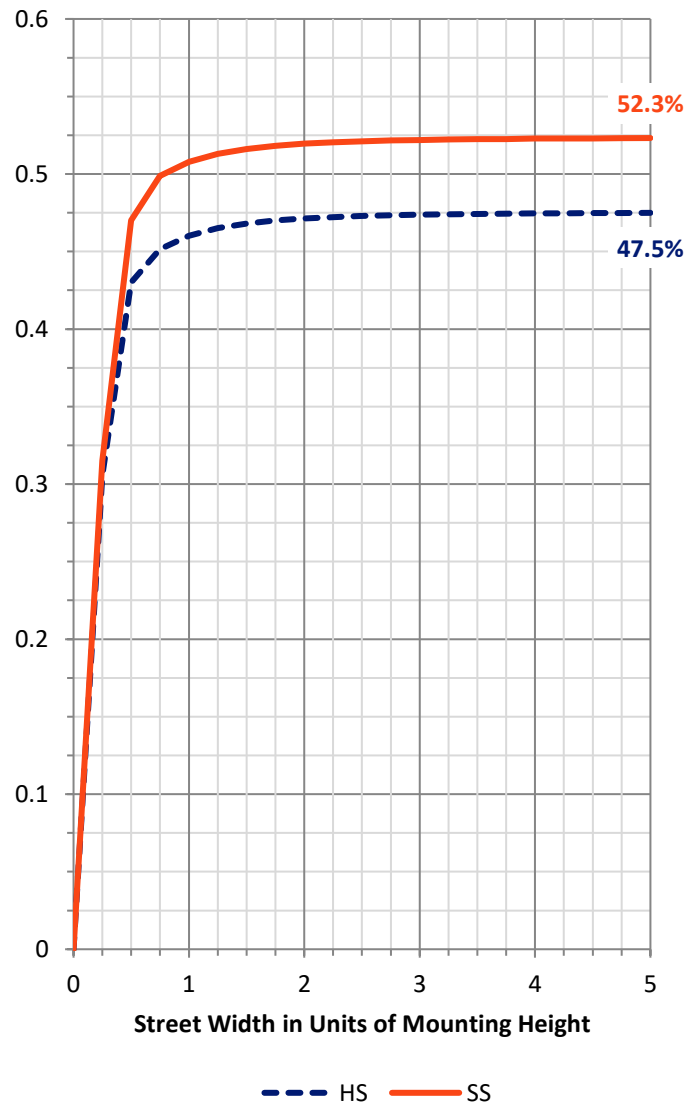
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3538.2	0.0	3538.2
	% Fixture	48.2	0.0	48.2
Street Side	Lumens	3808.9	0.0	3808.9
	% Fixture	51.8	0.0	51.8
Total	Lumens	7347.1	0.0	7347.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1368.3	18.6
10°-20°	3042.4	41.4
20°-30°	1948.5	26.5
30°-40°	434.1	5.9
40°-50°	226.0	3.1
50°-60°	164.3	2.2
60°-70°	105.8	1.4
70°-80°	50.6	0.7
80°-90°	7.0	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7347.1	100.0
0°-180°	7347.1	100.0

Coefficient of Utilization



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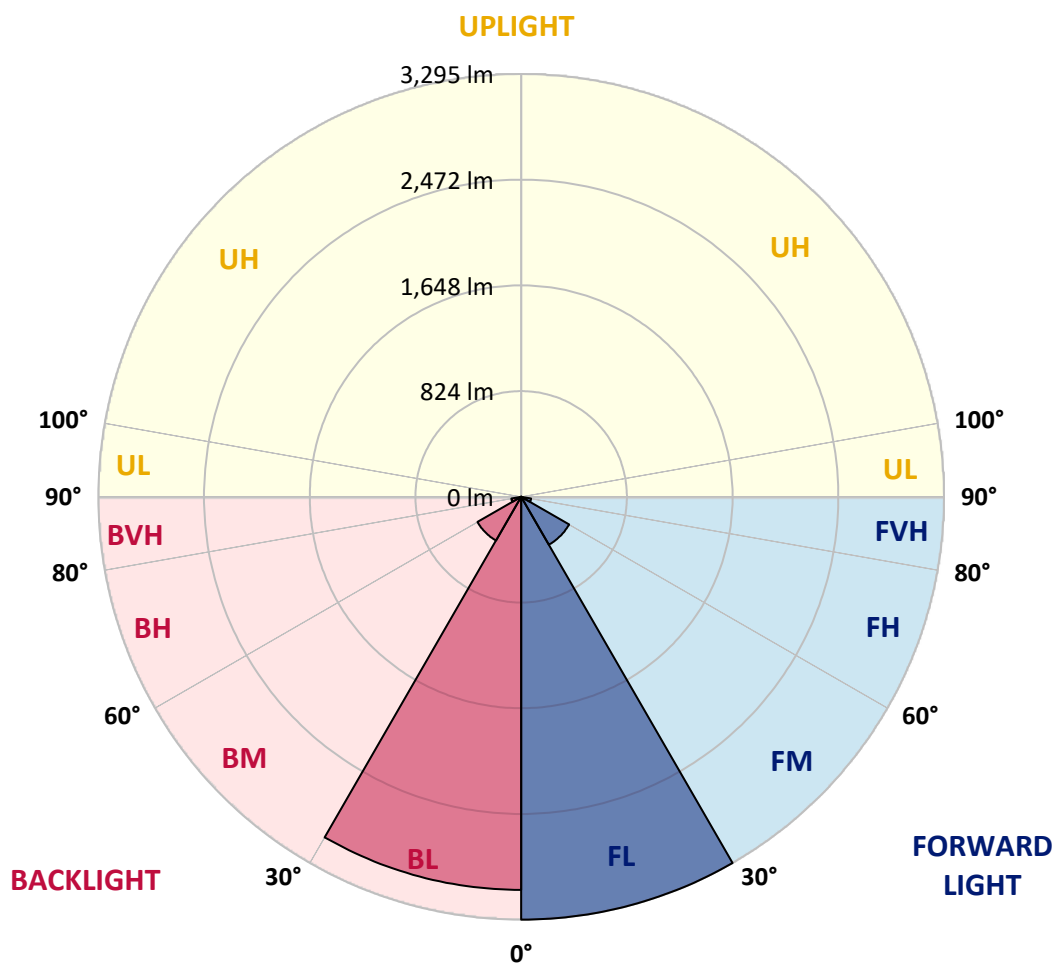
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3295.4	44.9			
FM	(30°-60°)	431.6	5.9			
FH	(60°-80°)	78.6	1.1			G0/660
FVH	(80°-90°)	3.3	0.0			G0/10
BL	(0°-30°)	3063.7	41.7	B4/5000		
BM	(30°-60°)	392.9	5.3	B1/1000		
BH	(60°-80°)	77.9	1.1	B0/110		G0/110
BVH	(80°-90°)	3.7	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°	15452.8	15452.8	15452.8	15452.8	15452.8	15452.8	15452.8	15452.8	15452.8	15452.8	15452.8
1°	15458.4	15440.0	15410.4	15384.8	15362.4	15339.2	15351.2	15346.4	15339.2	15337.6	15337.6
2°	15384.8	15340.8	15290.5	15260.1	15222.5	15198.5	15158.5	15141.7	15161.7	15153.7	15130.6
3°	15237.7	15180.1	15121.8	15082.6	15037.0	15001.0	14965.0	14937.1	14981.8	14968.2	14923.5
4°	15040.2	14976.2	14908.3	14854.7	14808.3	14759.6	14770.8	14729.2	14707.6	14706.0	14715.6
5°	14812.3	14734.0	14660.4	14596.5	14528.5	14461.3	14473.3	14423.0	14407.0	14414.2	14438.1
6°	14570.1	14485.3	14399.0	14303.0	14211.9	14128.7	14123.1	14078.4	14076.0	14099.1	14161.5
7°	14337.4	14239.9	14119.9	13986.4	13863.3	13761.7	13740.9	13704.2	13698.6	13766.5	13873.7
8°	14118.3	14003.2	13840.1	13653.0	13484.3	13341.2	13315.6	13268.4	13291.6	13405.9	13569.8
9°	13897.7	13767.3	13551.5	13298.8	13065.3	12889.4	12839.1	12807.9	12855.1	13011.8	13247.6
10°	13682.6	13504.3	13247.6	12925.4	12625.6	12410.5	12329.8	12308.2	12393.7	12603.2	12891.8
11°	13430.7	13217.2	12908.6	12529.6	12169.8	11884.4	11789.3	11778.9	11895.6	12148.3	12494.5
12°	13110.9	12884.6	12548.0	12106.7	11693.3	11345.5	11200.8	11198.4	11363.9	11658.9	12045.1
13°	12743.1	12491.3	12120.3	11643.7	11176.0	10769.8	10589.9	10589.1	10793.8	11133.6	11551.8
14°	12319.4	12045.1	11630.2	11137.6	10636.3	10163.0	9935.9	9951.9	10188.6	10564.4	11001.7
15°	11860.4	11550.2	11088.9	10592.3	10036.7	9523.4	9267.5	9281.9	9550.5	9948.7	10398.1
16°	11368.7	11012.9	10497.2	10003.1	9401.0	8854.1	8576.7	8599.1	8877.3	9305.1	9747.2
17°	10864.2	10454.8	9896.7	9365.8	8747.0	8169.7	7893.2	7911.4	8188.1	8625.5	9081.2
18°	10369.3	9880.8	9267.5	8711.0	8072.2	7507.5	7216.4	7224.9	7487.6	7921.4	8390.4
19°	9834.4	9287.5	8616.7	8023.4	7370.3	6836.7	6545.3	6542.3	6780.4	7179.7	7663.9
20°	9264.3	8660.6	7946.7	7289.0	6697.3	6165.8	5887.1	5876.2	6093.4	6434.3	6912.0
21°	8626.3	7972.2	7223.6	6599.3	6024.5	5494.8	5224.2	5208.2	5400.1	5683.8	6112.8
22°	7900.0	7379.7	6499.0	5910.6	5336.9	4825.7	4569.1	4551.7	4714.9	4940.0	5321.8
23°	7086.7	6542.1	5774.4	5199.2	4661.3	4170.0	3926.3	3905.4	4049.4	4224.1	4551.9
24°	6272.1	5698.1	5040.9	4507.7	4002.7	3539.3	3309.4	3282.8	3403.7	3543.8	3827.7
25°	5457.4	4903.5	4325.7	3835.6	3374.4	2963.3	2758.0	2719.5	2809.4	2924.8	3166.1
26°	4633.2	4144.8	3644.0	3207.4	2799.0	2452.0	2279.9	2227.9	2288.1	2380.6	2572.0
27°	3799.6	3416.8	3012.8	2646.8	2303.8	2018.3	1949.7	1900.4	1942.6	2015.6	2080.2
28°	3033.6	2750.7	2447.4	2159.3	1879.0	1655.6	1619.6	1572.9	1597.3	1650.6	1760.3
29°	2405.1	2197.7	1986.9	1759.7	1542.7	1365.8	1289.9	1246.5	1255.3	1289.3	1440.4
30°	1884.3	1747.7	1602.8	1434.5	1269.4	1128.8	1075.9	1036.2	1038.8	1064.2	1122.2
31°	1485.7	1399.7	1300.9	1178.8	1052.3	943.4	905.7	871.8	872.9	894.6	933.1
32°	1180.3	1126.5	1070.0	979.8	883.8	802.1	774.1	742.2	745.0	764.5	790.1
33°	963.3	927.3	890.9	825.4	750.6	712.7	672.1	643.1	645.8	662.4	681.9
34°	799.3	776.9	756.7	732.1	667.8	624.4	594.7	565.7	566.8	584.2	600.0
35°	705.1	689.4	677.7	638.9	585.8	536.0	533.4	505.2	504.9	521.9	537.6
36°	612.1	603.0	599.1	545.7	503.8	483.2	485.5	457.5	456.3	473.4	489.9
37°	519.0	516.6	520.4	488.5	453.9	440.9	446.9	419.0	416.2	433.3	451.8
38°	465.4	465.1	473.8	443.5	414.0	406.3	414.8	387.1	384.1	401.2	421.6
39°	423.0	423.5	437.1	406.2	381.2	377.3	388.9	361.4	357.5	374.9	397.5
40°	388.3	389.9	407.3	375.2	354.5	353.6	367.2	339.8	335.5	353.3	377.3
41°	360.1	362.3	382.7	350.7	332.2	333.6	349.1	321.7	317.0	335.3	360.5
42°	335.8	339.4	361.8	330.2	313.6	316.9	334.0	306.1	301.0	320.1	345.6
43°	315.2	320.0	343.9	312.8	296.9	302.0	320.8	292.8	287.5	307.2	332.5
44°	297.1	303.4	327.7	297.5	282.2	288.8	309.1	281.2	275.0	296.0	321.0

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CATALOG NUMBER: XSF60-KNYK-4Hx4V-830-Position 2

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	281.3	288.4	313.6	284.2	269.1	276.9	298.4	270.6	263.8	285.4	309.4
46°	266.8	274.9	300.6	272.6	257.5	266.1	288.0	260.3	253.5	274.9	297.1
47°	254.3	262.7	288.8	262.5	246.8	256.1	276.7	250.3	243.7	264.1	283.5
48°	242.7	251.4	277.7	252.8	237.0	245.7	265.2	240.5	234.5	253.4	269.8
49°	231.5	240.0	265.9	243.2	227.5	235.8	254.0	231.0	225.6	242.5	255.8
50°	220.8	228.8	253.4	233.6	218.5	225.9	242.3	221.5	216.8	231.7	242.0
51°	211.1	217.6	240.2	223.4	209.6	215.8	230.3	212.0	208.4	221.2	228.8
52°	201.9	206.7	226.8	213.4	201.0	205.5	218.6	202.9	199.9	210.6	215.9
53°	193.5	196.5	213.9	203.3	192.4	195.7	207.5	193.7	191.5	200.3	203.5
54°	185.2	186.3	201.3	193.3	184.0	186.1	196.5	185.2	183.3	190.1	191.6
55°	177.1	176.6	189.0	183.5	176.0	177.0	186.4	176.9	175.3	180.4	181.5
56°	169.1	167.3	177.3	173.7	168.1	168.8	177.7	168.6	167.4	170.8	171.5
57°	161.4	158.5	166.4	164.3	160.5	160.9	169.1	160.2	159.4	161.2	161.6
58°	153.4	150.1	156.9	155.0	153.0	153.3	160.4	152.5	152.2	151.9	152.8
59°	145.9	142.2	148.0	145.9	145.9	146.2	152.8	145.1	145.1	143.1	144.3
60°	138.1	134.5	139.3	136.9	138.5	139.4	145.2	138.0	137.9	134.8	136.3
61°	130.9	127.3	131.0	128.6	131.3	132.9	138.1	131.5	130.7	127.4	128.6
62°	124.0	120.5	123.4	121.2	124.7	126.6	132.5	125.4	124.0	121.0	122.5
63°	117.0	114.1	116.7	114.6	118.1	120.7	128.4	119.6	117.7	115.0	117.2
64°	110.4	108.4	111.4	108.6	111.7	114.8	124.3	113.9	111.3	109.1	112.3
65°	103.8	102.7	106.7	102.9	105.4	109.1	119.3	108.0	105.0	103.3	106.9
66°	97.2	97.3	102.1	97.1	98.9	103.4	113.9	102.2	98.5	97.7	100.4
67°	90.9	91.9	96.2	91.3	92.4	97.9	107.9	96.4	91.9	92.2	93.0
68°	84.5	86.2	89.0	85.6	85.7	91.8	101.3	90.3	85.0	86.6	85.2
69°	77.8	80.6	81.8	79.4	78.5	85.4	94.2	84.1	77.5	80.5	80.1
70°	71.3	74.2	75.6	73.0	71.7	79.0	88.8	77.7	70.0	74.2	85.6
71°	64.9	68.2	77.1	66.6	64.9	72.4	97.3	71.1	63.5	67.8	89.0
72°	58.4	62.2	78.8	60.3	58.1	65.8	89.0	64.6	57.6	61.3	82.3
73°	52.8	56.1	80.5	53.8	52.0	59.2	75.0	58.1	51.6	54.5	68.2
74°	47.5	49.9	66.8	47.7	46.3	52.9	63.1	51.9	46.0	48.1	58.1
75°	42.2	43.5	53.5	41.7	40.8	46.8	54.3	46.2	40.7	42.2	50.7
76°	37.2	37.9	44.3	36.2	35.7	40.8	47.8	41.1	35.5	36.5	43.9
77°	32.2	32.4	37.3	31.1	30.8	34.8	42.1	35.6	30.7	30.9	37.9
78°	27.2	26.9	31.6	26.2	26.1	29.1	36.9	29.8	26.0	25.7	32.1
79°	22.5	21.7	26.4	21.4	21.7	23.9	31.6	24.6	21.7	21.3	27.1
80°	18.0	17.1	21.2	17.0	17.6	19.4	26.4	20.4	17.9	17.0	22.1
81°	14.0	13.0	16.1	13.2	13.8	15.2	21.5	16.2	14.1	12.7	17.8
82°	10.3	9.5	11.9	9.7	10.5	11.6	17.4	12.0	10.3	9.6	13.5
83°	8.2	7.6	8.1	7.5	8.0	8.9	13.2	9.3	8.2	7.5	9.3
84°	6.2	5.8	5.4	5.5	6.3	6.8	9.1	7.6	6.5	6.0	6.6
85°	4.1	3.9	2.7	3.4	4.5	4.7	5.6	5.7	4.7	4.2	3.9
86°	0.9	0.9	0.9	1.5	2.0	2.6	2.9	3.1	2.5	2.2	1.8
87°	0.2	0.2	0.2	0.3	0.6	0.9	1.2	1.0	0.8	0.9	0.8
88°	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.3	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	0.1	0.2

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CATALOG NUMBER: XSF60-KNYK-4Hx4V-830-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: P1440268

CATALOG NUMBER: XSF60-KNYK-4Hx4V-830-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: P1440268
CATALOG NUMBER: XSF60-KNYK-4Hx4V-830-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: P1440268

CATALOG NUMBER: XSF60-KNYK-4Hx4V-830-Position 2

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	15452.8	15452.8	15452.8	15452.8	15452.8	15452.8	15452.8	15452.8	15452.8	15452.8	15452.8
1°	15359.2	15370.4	15397.6	15420.8	15447.2	15468.8	15487.9	15511.1	15526.3	15531.9	15526.3
2°	15152.9	15174.5	15220.9	15320.8	15384.8	15448.8	15500.7	15545.5	15566.3	15564.7	15532.7
3°	14946.7	14978.6	15044.2	15149.7	15237.7	15376.0	15476.0	15538.3	15567.9	15549.5	15478.4
4°	14739.6	14782.7	14866.7	14977.8	15091.4	15249.7	15415.2	15501.5	15535.9	15491.9	15380.8
5°	14485.3	14535.7	14622.0	14755.6	14944.3	15123.4	15328.8	15440.8	15471.2	15384.0	15234.5
6°	14225.5	14295.0	14384.6	14522.1	14733.2	14995.4	15167.3	15336.0	15357.6	15252.1	15061.0
7°	13974.4	14062.4	14166.3	14303.8	14518.1	14782.7	15005.0	15179.3	15206.5	15076.2	14861.9
8°	13721.8	13839.3	13954.4	14091.1	14290.2	14562.1	14842.7	14985.8	15008.2	14869.9	14642.0
9°	13454.7	13597.8	13730.6	13876.1	14063.2	14309.4	14587.7	14742.8	14759.6	14620.4	14408.6
10°	13150.1	13324.4	13484.3	13652.2	13816.1	14028.0	14283.8	14440.5	14476.5	14336.6	14163.1
11°	12793.5	12992.6	13191.7	13397.9	13556.3	13711.4	13934.4	14079.2	14114.3	14012.0	13901.7
12°	12384.1	12601.6	12831.9	13091.7	13260.4	13357.2	13532.3	13658.6	13712.2	13655.4	13627.4
13°	11914.8	12141.1	12411.3	12733.5	12927.0	12965.4	13084.5	13190.1	13258.8	13250.0	13305.2
14°	11391.9	11630.2	11930.8	12319.4	12534.4	12539.2	12606.4	12678.4	12761.5	12807.1	12951.8
15°	10829.0	11116.8	11420.7	11838.8	12084.3	12071.5	12082.7	12113.9	12213.0	12335.3	12545.6
16°	10242.9	10588.3	10898.6	11299.9	11559.0	11535.8	11517.4	11500.6	11626.2	11818.0	12087.5
17°	9653.7	10070.2	10374.9	10728.3	10979.3	10966.5	10905.0	10840.2	10998.5	11258.4	11553.4
18°	9022.0	9523.4	9843.2	10115.0	10322.9	10330.1	10240.5	10127.8	10298.9	10634.7	10942.5
19°	8333.6	8921.3	9258.7	9475.4	9616.1	9645.7	9501.8	9377.0	9572.1	9966.3	10278.1
20°	7593.5	8229.7	8609.5	8771.8	8847.7	8898.1	8755.0	8595.9	8798.2	9229.9	9533.0
21°	6786.3	7465.1	7852.7	8005.8	8040.2	8117.0	7949.1	7808.8	8016.2	8451.2	8753.4
22°	5955.4	6619.1	7029.1	7166.5	7202.2	7303.6	7159.6	7017.4	7228.2	7652.1	7939.6
23°	5118.4	5745.8	6146.9	6287.6	6338.9	6469.5	6341.7	6226.0	6439.9	6834.6	7091.6
24°	4312.8	4860.9	5253.0	5403.9	5479.3	5647.4	5542.8	5434.6	5651.6	6016.6	6243.3
25°	3547.8	4002.7	4368.6	4546.9	4652.5	4826.8	4753.7	4650.1	4875.2	5198.7	5395.0
26°	2863.0	3216.2	3547.6	3748.5	3877.6	4039.1	3970.5	3891.7	4110.4	4421.3	4586.5
27°	2283.7	2537.8	2824.5	3050.3	3171.5	3298.3	3244.5	3172.0	3375.5	3661.7	3824.0
28°	1908.7	2108.7	2213.5	2424.9	2551.5	2629.4	2583.6	2535.9	2707.7	2961.6	3118.8
29°	1533.7	1679.6	1845.3	2029.4	2032.2	2074.6	2038.0	2005.4	2137.9	2348.7	2499.3
30°	1161.7	1251.8	1477.1	1633.8	1669.8	1688.3	1665.5	1589.4	1677.8	1837.9	1965.2
31°	951.5	1016.6	1114.7	1242.7	1307.8	1304.1	1293.3	1275.0	1333.5	1444.8	1551.4
32°	793.6	840.0	912.5	1014.2	1062.0	1053.2	1045.5	1039.5	1076.9	1149.6	1230.5
33°	677.5	709.2	765.8	846.0	879.7	864.1	862.6	865.4	888.6	933.2	993.0
34°	590.4	611.5	653.7	721.2	740.5	725.6	727.7	731.8	748.8	775.2	817.1
35°	522.2	536.0	570.1	627.3	636.4	621.1	626.4	648.2	666.5	685.4	719.0
36°	470.7	478.5	506.6	557.9	556.8	543.0	549.9	565.3	585.0	596.4	621.9
37°	428.7	433.7	456.1	504.0	496.2	483.6	491.5	508.9	503.5	507.5	524.8
38°	395.3	397.6	416.6	463.0	449.0	436.4	444.6	466.1	456.6	456.8	470.1
39°	367.9	368.7	385.3	430.7	411.5	400.1	407.3	430.8	418.3	415.6	427.5
40°	345.6	344.4	359.8	404.6	381.2	369.3	376.6	402.0	386.9	381.9	392.8
41°	327.0	324.0	338.5	382.9	356.4	344.4	351.3	378.1	361.2	353.8	365.1
42°	311.1	306.4	320.9	364.1	336.3	322.9	329.7	358.5	338.9	329.9	341.7
43°	297.6	291.4	305.9	347.6	319.3	304.9	311.3	341.9	319.9	309.7	322.4
44°	285.6	278.0	292.8	333.2	304.4	289.1	295.5	327.4	303.7	292.2	305.9

REPORT NUMBER: P1440268

CATALOG NUMBER: XSF60-KNYK-4Hx4V-830-Position 2

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	274.6	266.2	281.6	320.2	291.4	274.8	281.5	315.0	289.6	277.2	291.7
46°	264.1	255.2	271.3	308.2	280.0	262.1	269.4	303.7	276.9	263.4	279.1
47°	253.3	244.6	261.1	296.5	269.4	250.5	258.4	293.2	265.6	251.1	267.8
48°	242.3	234.9	250.7	283.8	259.2	239.9	248.9	283.4	255.5	240.2	257.6
49°	231.6	225.6	240.4	269.9	248.7	230.3	240.3	273.6	246.4	230.6	248.3
50°	220.8	216.5	230.0	256.1	237.8	221.0	231.3	263.0	238.0	221.4	239.5
51°	210.3	207.9	219.9	241.8	226.9	211.9	222.3	251.0	228.6	212.7	230.3
52°	199.9	199.1	209.9	228.1	216.1	203.0	212.7	238.8	218.7	204.0	220.8
53°	189.8	190.9	199.4	214.9	205.2	194.6	203.5	226.0	209.0	195.7	211.1
54°	180.5	183.0	189.5	201.8	194.2	186.1	194.2	213.1	199.3	187.6	200.9
55°	171.5	175.1	179.9	189.1	183.4	177.8	185.2	200.2	189.1	179.3	190.5
56°	162.5	167.1	170.3	178.4	173.7	169.6	176.2	188.2	179.4	171.1	179.7
57°	154.7	159.1	160.7	167.7	164.1	161.3	167.2	176.8	169.7	163.1	169.5
58°	146.8	151.8	151.6	157.0	154.5	153.5	158.2	167.1	161.0	155.2	159.9
59°	139.0	144.5	142.4	147.9	146.0	146.0	149.9	158.2	152.5	147.5	150.6
60°	131.5	137.5	133.6	139.0	137.4	138.6	141.7	150.0	144.2	140.1	141.3
61°	124.9	130.5	125.8	130.6	129.5	131.6	134.0	142.0	136.2	132.8	132.2
62°	119.1	123.7	119.3	123.6	122.2	124.8	127.0	134.6	128.7	125.8	123.8
63°	113.6	117.1	113.6	117.6	115.7	118.3	120.9	128.5	122.1	118.9	116.4
64°	108.2	110.5	108.3	113.0	109.7	111.8	115.4	124.2	116.2	112.5	110.1
65°	102.9	103.7	102.9	108.4	104.2	105.6	110.2	121.4	110.5	106.3	104.5
66°	97.2	97.3	97.6	103.3	98.7	99.4	104.9	117.9	105.1	100.1	99.0
67°	91.6	91.0	92.2	97.1	93.2	93.1	99.2	113.4	99.4	94.0	93.6
68°	85.6	84.3	86.5	89.7	87.9	86.7	93.6	108.1	94.1	87.7	88.2
69°	79.6	77.1	80.4	82.7	82.2	80.0	87.9	101.9	88.4	81.3	82.6
70°	73.5	70.2	74.4	79.0	76.2	73.0	81.9	95.1	82.6	74.1	76.8
71°	67.3	64.0	68.3	80.3	70.1	66.4	75.7	88.2	76.7	67.9	70.5
72°	61.0	58.3	62.1	84.0	63.7	60.4	69.2	87.5	70.2	61.7	64.3
73°	54.7	53.0	56.0	74.6	57.3	54.5	62.6	84.8	63.7	55.6	58.0
74°	48.5	47.7	49.7	60.7	50.9	48.7	56.1	72.1	57.2	49.8	51.7
75°	42.7	42.4	43.7	51.3	44.8	43.3	50.0	61.5	50.6	44.1	45.4
76°	37.2	37.3	38.2	43.8	38.9	38.1	44.0	50.8	44.7	38.8	39.6
77°	31.8	32.4	32.8	37.8	33.2	33.1	38.7	43.7	39.3	33.8	34.2
78°	26.8	27.6	27.5	32.3	27.8	28.4	33.3	37.6	33.4	28.9	28.9
79°	22.1	23.2	22.7	27.4	22.8	23.9	27.9	32.1	27.6	24.3	23.8
80°	18.4	19.4	18.8	22.6	18.8	19.9	22.8	26.9	22.4	20.0	19.2
81°	14.6	15.5	14.9	18.4	14.8	15.9	18.8	22.0	17.8	15.9	15.2
82°	10.8	11.7	11.1	14.1	10.7	11.9	14.8	17.6	13.8	12.2	11.4
83°	9.4	10.1	9.4	9.9	8.4	9.2	10.8	13.6	10.3	9.2	8.1
84°	9.0	9.9	9.2	7.4	7.8	8.0	9.0	9.8	8.6	7.3	6.3
85°	7.2	7.9	7.5	4.7	6.4	6.7	7.5	7.1	6.3	5.4	4.5
86°	3.7	4.0	4.3	2.3	3.9	4.5	4.9	4.3	4.0	3.6	2.6
87°	1.1	1.1	1.3	1.0	1.6	1.4	1.7	1.6	1.7	1.3	0.8
88°	0.4	0.5	0.5	0.4	0.5	0.5	0.7	0.5	0.5	0.3	0.2
89°	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1

REPORT NUMBER: P1440268

CATALOG NUMBER: XSF60-KNYK-4Hx4V-830-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: P1440268

CATALOG NUMBER: XSF60-KNYK-4Hx4V-830-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: P1440268
CATALOG NUMBER: XSF60-KNYK-4Hx4V-830-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: P1440268

CATALOG NUMBER: XSF60-KNYK-4Hx4V-830-Position 2

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	15452.8	15452.8	15452.8
1°	15507.9	15484.7	15458.4
2°	15487.9	15436.0	15384.8
3°	15401.6	15316.0	15237.7
4°	15254.5	15133.7	15040.2
5°	15072.2	14926.7	14812.3
6°	14857.1	14687.6	14570.1
7°	14635.6	14459.7	14337.4
8°	14420.6	14243.9	14118.3
9°	14198.3	14037.6	13897.7
10°	13987.2	13828.9	13682.6
11°	13768.1	13602.6	13430.7
12°	13529.9	13330.8	13110.9
13°	13238.8	12998.2	12743.1
14°	12891.0	12605.6	12319.4
15°	12490.5	12173.0	11860.4
16°	12028.3	11706.9	11368.7
17°	11518.2	11206.4	10864.2
18°	10961.7	10689.9	10369.3
19°	10360.5	10167.8	9834.4
20°	9684.9	9607.3	9264.3
21°	8985.3	8990.1	8626.3
22°	8215.3	8290.5	7900.0
23°	7417.4	7513.3	7086.7
24°	6557.1	6652.1	6272.1
25°	5696.5	5790.5	5457.4
26°	4836.0	4928.9	4633.2
27°	4019.4	4072.2	3799.6
28°	3257.8	3251.6	3033.6
29°	2593.6	2553.1	2405.1
30°	2029.7	1984.9	1884.3
31°	1592.0	1547.0	1485.7
32°	1261.1	1224.7	1180.3
33°	1014.2	987.8	963.3
34°	837.3	815.9	799.3
35°	740.2	719.1	705.1
36°	644.4	623.5	612.1
37°	548.6	527.8	519.0
38°	495.8	473.9	465.4
39°	456.6	431.2	423.0
40°	424.5	396.4	388.3
41°	399.8	368.4	360.1
42°	378.9	344.8	335.8
43°	361.2	324.7	315.2
44°	345.3	307.3	297.1

REPORT NUMBER: P1440268

CATALOG NUMBER: XSF60-KNYK-4Hx4V-830-Position 2

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	330.7	291.9	281.3
46°	317.0	278.1	266.8
47°	304.4	265.7	254.3
48°	292.5	255.0	242.7
49°	281.0	244.9	231.5
50°	269.3	235.2	220.8
51°	257.1	225.7	211.1
52°	243.5	215.9	201.9
53°	229.6	206.4	193.5
54°	215.2	196.8	185.2
55°	201.4	187.1	177.1
56°	187.5	177.3	169.1
57°	175.0	167.4	161.4
58°	163.5	157.6	153.4
59°	153.0	147.6	145.9
60°	144.1	138.4	138.1
61°	135.5	129.6	130.9
62°	127.1	121.5	124.0
63°	119.6	114.5	117.0
64°	113.5	108.6	110.4
65°	108.1	103.0	103.8
66°	103.9	97.8	97.2
67°	99.2	92.5	90.9
68°	92.5	86.9	84.5
69°	85.0	81.3	77.8
70°	78.2	75.3	71.3
71°	77.7	69.2	64.9
72°	77.4	63.1	58.4
73°	77.0	57.0	52.8
74°	70.0	51.1	47.5
75°	57.2	45.3	42.2
76°	47.1	39.2	37.2
77°	39.6	33.6	32.2
78°	33.5	28.4	27.2
79°	28.0	23.0	22.5
80°	22.7	18.2	18.0
81°	17.5	13.9	14.0
82°	13.0	10.2	10.3
83°	9.2	8.3	8.2
84°	6.6	6.5	6.2
85°	4.0	4.6	4.1
86°	1.4	1.3	0.9
87°	0.3	0.2	0.2
88°	0.1	0.1	0.1
89°	0.1	0.1	0.1

REPORT NUMBER: P1440268

CATALOG NUMBER: XSF60-KNYK-4Hx4V-830-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: P1440268

CATALOG NUMBER: XSF60-KNYK-4Hx4V-830-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: P1440268

CATALOG NUMBER: XSF60-KNYK-4Hx4V-830-Position 2

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)