

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: P1440274

Luminaire Tested: XSF60-KNYK-4Hx4V-840-Position 4

Issue Date: 04/15/2026

Test Information

Test Method: LM-79-2024
Report Number: P1440274
Test Lab: THIRD PARTY NVLAP
Issue Date: 7/15/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XSF60-KNYK-4Hx4V-840-Position 4
Description: LUMARK ALL SELECTABLE LUMINAIRE 60W w/ NEMA 4 FLOOD DISTRIBUTION 4000K CCT 80 CRI LIGHT ENGINE AT Position 4
Light Source: (1) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4061.3 lumens
Efficiency: N/A
Efficacy: 162.5 lumens/watt
Luminous Opening: Rectangular (W 0.3' x L: 0.3' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G0

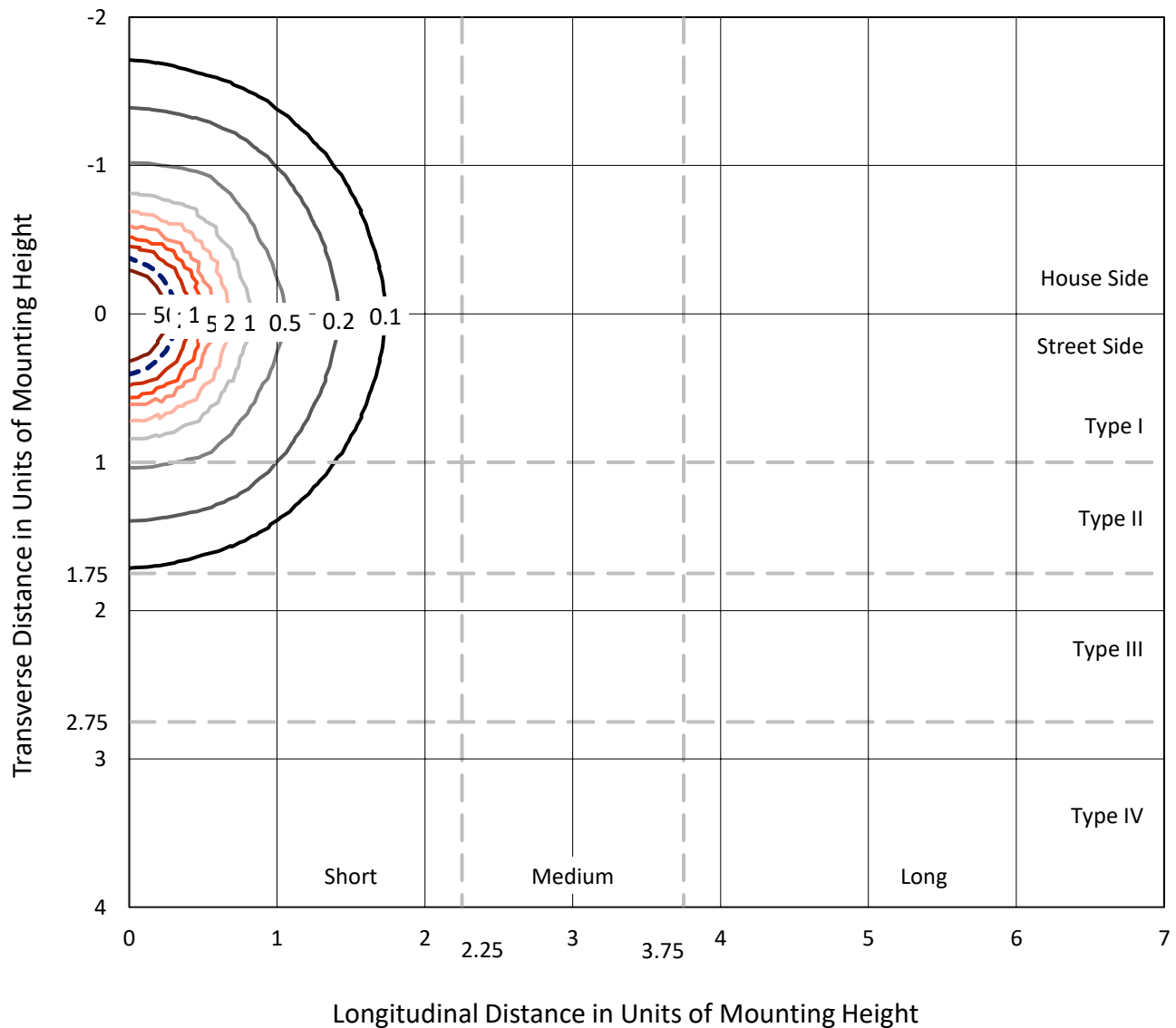
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

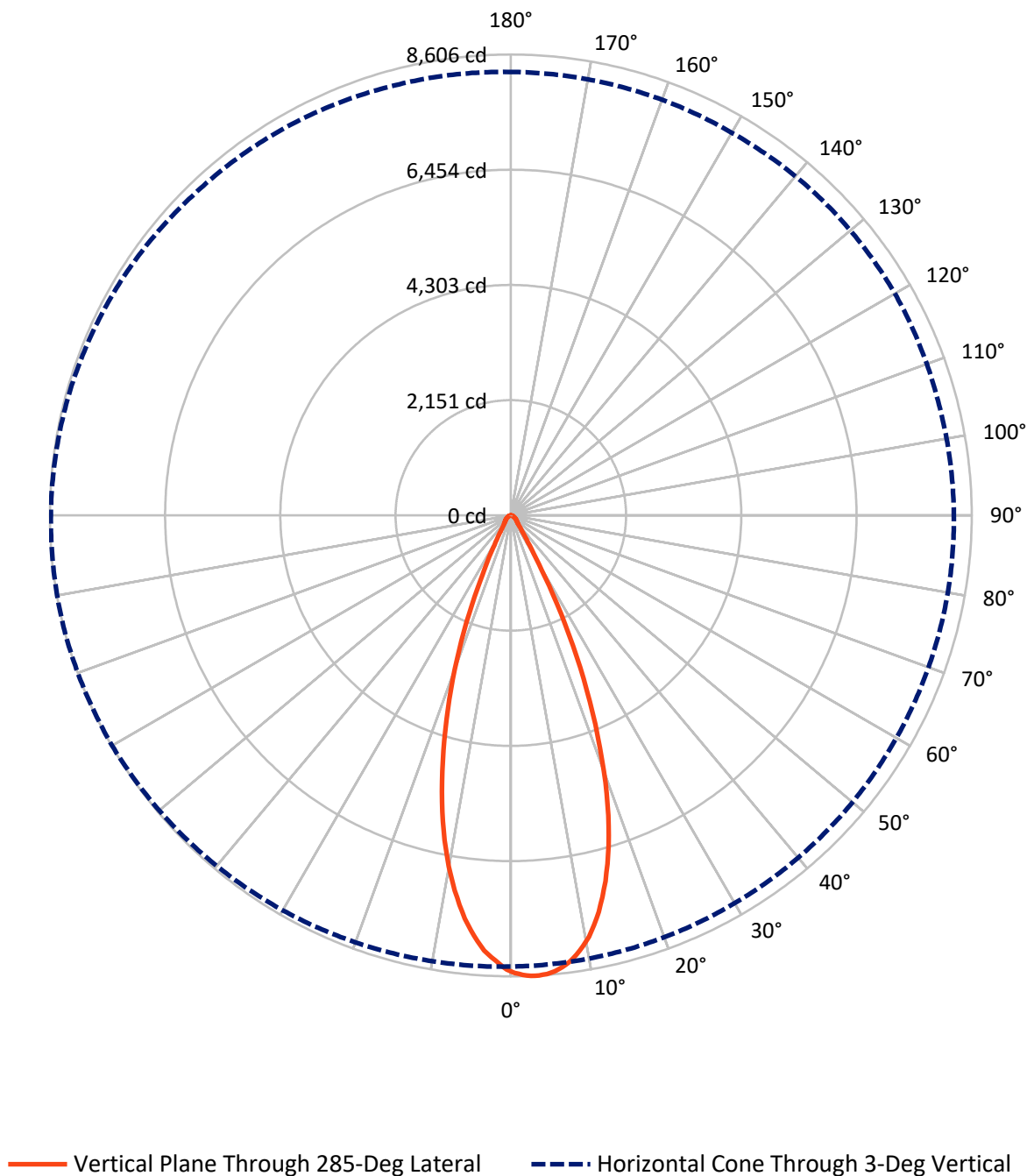


Based on 10 foot mounting height. Maximum calculated value = 85.4 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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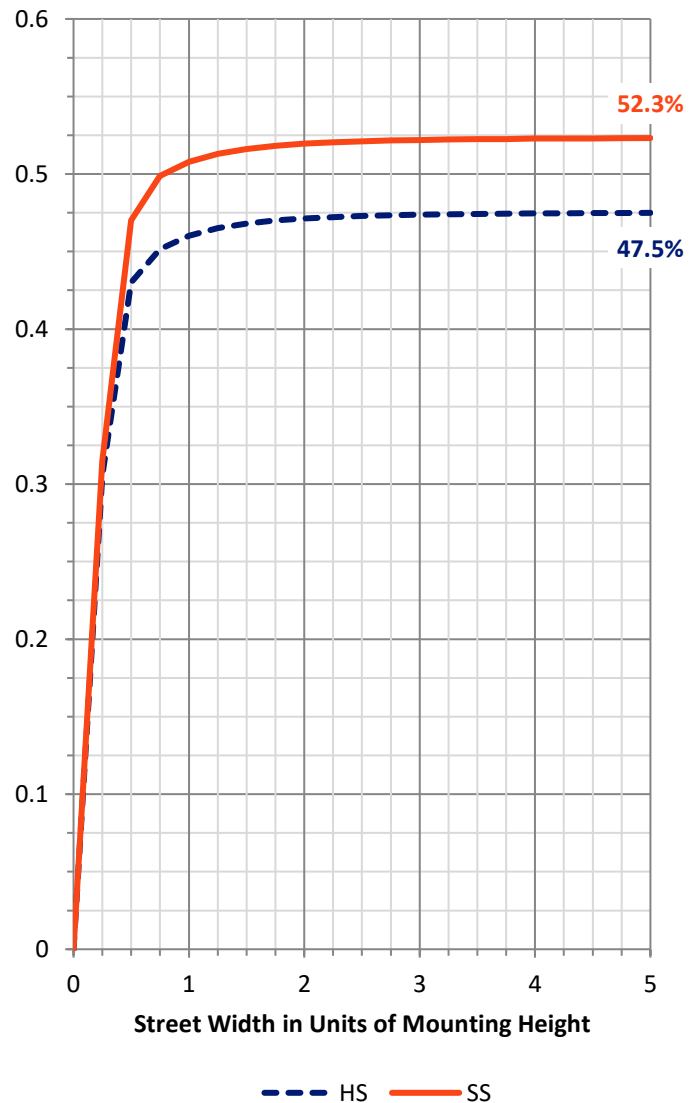
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1955.9	0.0	1955.9
	% Fixture	48.2	0.0	48.2
Street Side	Lumens	2105.5	0.0	2105.5
	% Fixture	51.8	0.0	51.8
Total	Lumens	4061.3	0.0	4061.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	756.4	18.6
10°-20°	1681.8	41.4
20°-30°	1077.1	26.5
30°-40°	240.0	5.9
40°-50°	124.9	3.1
50°-60°	90.8	2.2
60°-70°	58.5	1.4
70°-80°	28.0	0.7
80°-90°	3.9	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°	4061.3	100.0
0°-180°	4061.3	100.0

Coefficient of Utilization



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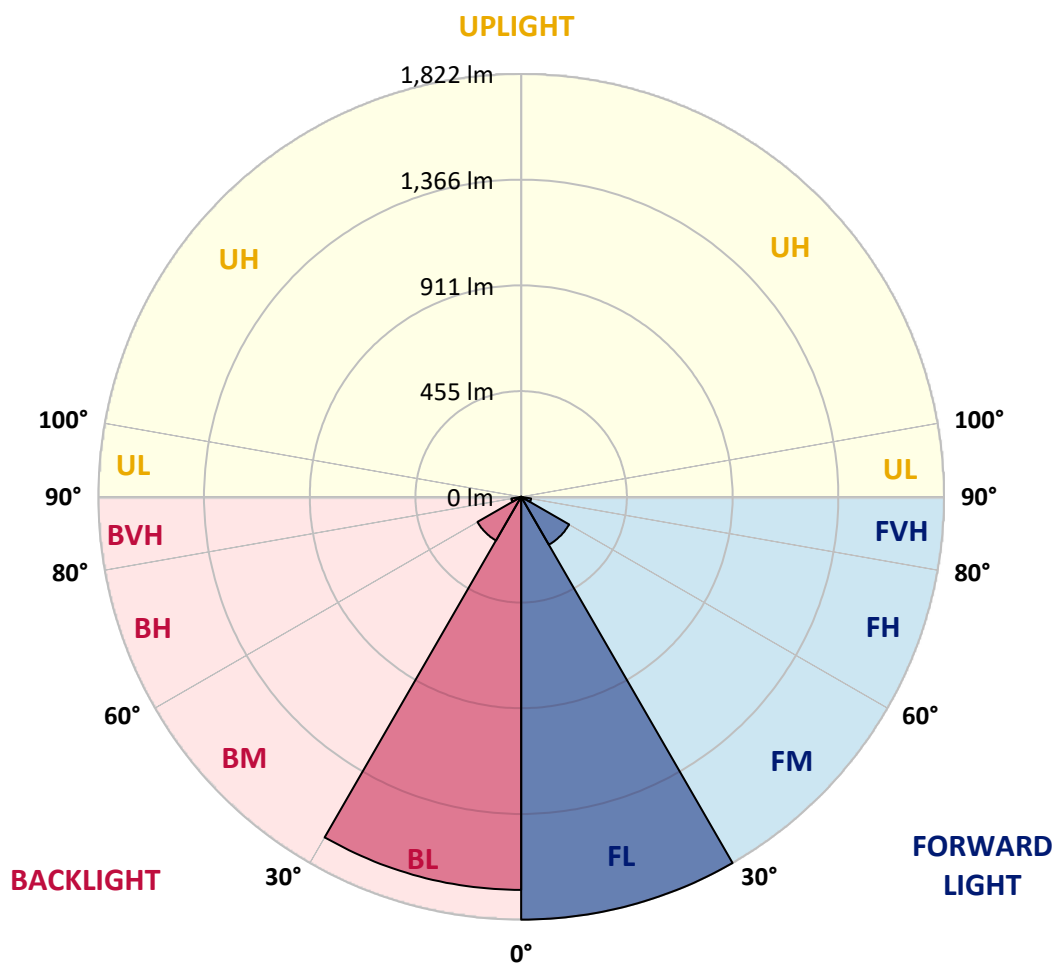
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1821.7	44.9			
FM	(30°-60°)	238.6	5.9			
FH	(60°-80°)	43.4	1.1			G0/660
FVH	(80°-90°)	1.8	0.0			G0/10
BL	(0°-30°)	1693.6	41.7	B3/2500		
BM	(30°-60°)	217.2	5.3	B0/220		
BH	(60°-80°)	43.1	1.1	B0/110		G0/110
BVH	(80°-90°)	2.0	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	8542.0	8542.0	8542.0	8542.0	8542.0	8542.0	8542.0	8542.0	8542.0	8542.0	8542.0
1°	8545.1	8534.9	8518.6	8504.4	8492.1	8479.3	8485.9	8483.2	8479.3	8478.4	8478.4
2°	8504.4	8480.1	8452.3	8435.5	8414.7	8401.5	8379.4	8370.1	8381.1	8376.7	8363.9
3°	8423.1	8391.3	8359.0	8337.4	8312.2	8292.3	8272.4	8256.9	8281.7	8274.2	8249.4
4°	8314.0	8278.6	8241.0	8211.4	8185.8	8158.8	8165.0	8142.0	8130.1	8129.2	8134.5
5°	8188.0	8144.7	8104.0	8068.7	8031.1	7994.0	8000.6	7972.8	7963.9	7967.9	7981.1
6°	8054.1	8007.2	7959.5	7906.5	7856.1	7810.1	7807.0	7782.3	7780.9	7793.8	7828.2
7°	7925.5	7871.5	7805.2	7731.4	7663.4	7607.2	7595.7	7575.4	7572.3	7609.9	7669.1
8°	7804.4	7740.7	7650.6	7547.1	7453.9	7374.8	7360.6	7334.5	7347.4	7410.6	7501.2
9°	7682.4	7610.3	7491.0	7351.3	7222.3	7125.0	7097.2	7080.0	7106.0	7192.7	7323.1
10°	7563.5	7464.9	7323.1	7144.9	6979.2	6860.3	6815.7	6803.7	6851.0	6966.8	7126.4
11°	7424.3	7306.3	7135.7	6926.2	6727.3	6569.5	6516.9	6511.1	6575.7	6715.3	6906.7
12°	7247.5	7122.4	6936.3	6692.4	6463.9	6271.6	6191.6	6190.3	6281.8	6444.9	6658.3
13°	7044.2	6904.9	6699.9	6436.5	6177.9	5953.4	5853.9	5853.5	5966.6	6154.5	6385.6
14°	6809.9	6658.3	6428.9	6156.7	5879.6	5617.9	5492.4	5501.2	5632.1	5839.8	6081.5
15°	6556.2	6384.7	6129.7	5855.3	5548.1	5264.3	5122.9	5130.9	5279.4	5499.5	5747.9
16°	6284.4	6087.7	5802.7	5529.5	5196.7	4894.4	4741.0	4753.4	4907.2	5143.7	5388.1
17°	6005.5	5779.2	5470.7	5177.3	4835.2	4516.1	4363.2	4373.3	4526.2	4768.0	5019.9
18°	5731.9	5461.9	5122.9	4815.3	4462.2	4150.0	3989.1	3993.8	4139.0	4378.8	4638.1
19°	5436.3	5134.0	4763.1	4435.2	4074.2	3779.2	3618.1	3616.4	3748.1	3968.8	4236.4
20°	5121.1	4787.5	4392.8	4029.2	3702.1	3408.3	3254.3	3248.3	3368.3	3556.8	3820.8
21°	4768.4	4406.9	3993.1	3648.0	3330.2	3037.4	2887.9	2879.0	2985.1	3141.9	3379.1
22°	4367.0	4079.4	3592.5	3267.3	2950.1	2667.6	2525.7	2516.1	2606.3	2730.7	2941.8
23°	3917.4	3616.4	3192.0	2874.0	2576.7	2305.1	2170.4	2158.9	2238.4	2335.0	2516.2
24°	3467.1	3149.8	2786.5	2491.8	2212.6	1956.4	1829.4	1814.7	1881.5	1959.0	2115.9
25°	3016.8	2710.6	2391.2	2120.2	1865.3	1638.1	1524.6	1503.3	1553.0	1616.8	1750.2
26°	2561.1	2291.1	2014.3	1773.0	1547.2	1355.4	1260.3	1231.6	1264.8	1316.0	1421.7
27°	2100.3	1888.7	1665.4	1463.1	1273.5	1115.7	1077.8	1050.5	1073.9	1114.2	1149.9
28°	1676.9	1520.5	1352.9	1193.6	1038.7	915.2	895.3	869.4	883.0	912.4	973.0
29°	1329.5	1214.9	1098.3	972.7	852.8	755.0	713.0	689.0	693.9	712.7	796.2
30°	1041.6	966.1	886.0	792.9	701.7	624.0	594.7	572.8	574.2	588.3	620.3
31°	821.3	773.7	719.1	651.6	581.7	521.5	500.7	481.9	482.5	494.5	515.8
32°	652.4	622.7	591.5	541.6	488.6	443.4	427.9	410.3	411.8	422.6	436.7
33°	532.5	512.6	492.5	456.3	414.9	394.0	371.5	355.5	357.0	366.1	376.9
34°	441.8	429.5	418.3	404.7	369.2	345.1	328.8	312.7	313.3	322.9	331.7
35°	389.8	381.1	374.6	353.2	323.8	296.3	294.8	279.3	279.1	288.5	297.2
36°	338.3	333.3	331.2	301.6	278.5	267.1	268.4	252.9	252.2	261.7	270.8
37°	286.9	285.6	287.7	270.1	250.9	243.7	247.0	231.6	230.1	239.5	249.7
38°	257.3	257.1	261.9	245.2	228.8	224.6	229.3	214.0	212.3	221.8	233.1
39°	233.8	234.1	241.6	224.6	210.7	208.6	215.0	199.7	197.6	207.2	219.7
40°	214.6	215.5	225.2	207.4	196.0	195.4	203.0	187.8	185.4	195.3	208.6
41°	199.1	200.3	211.5	193.9	183.6	184.4	193.0	177.8	175.2	185.3	199.3
42°	185.6	187.6	200.0	182.5	173.3	175.2	184.6	169.2	166.4	177.0	191.0
43°	174.2	176.9	190.1	172.9	164.1	167.0	177.4	161.8	158.9	169.8	183.8
44°	164.2	167.7	181.2	164.5	156.0	159.7	170.8	155.4	152.0	163.6	177.4

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CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	155.5	159.4	173.3	157.1	148.7	153.1	164.9	149.6	145.8	157.7	171.0
46°	147.5	152.0	166.2	150.7	142.3	147.1	159.2	143.9	140.1	152.0	164.2
47°	140.6	145.2	159.6	145.1	136.4	141.5	153.0	138.4	134.7	146.0	156.7
48°	134.2	139.0	153.5	139.7	131.0	135.8	146.6	133.0	129.6	140.1	149.1
49°	128.0	132.6	147.0	134.4	125.7	130.3	140.4	127.7	124.7	134.0	141.4
50°	122.1	126.5	140.1	129.1	120.8	124.9	133.9	122.4	119.8	128.1	133.8
51°	116.7	120.3	132.8	123.5	115.9	119.3	127.3	117.2	115.2	122.2	126.5
52°	111.6	114.3	125.4	118.0	111.1	113.6	120.8	112.1	110.5	116.4	119.3
53°	107.0	108.6	118.3	112.4	106.4	108.2	114.7	107.1	105.9	110.7	112.5
54°	102.4	103.0	111.3	106.9	101.7	102.9	108.6	102.4	101.3	105.1	105.9
55°	97.9	97.6	104.5	101.4	97.3	97.9	103.0	97.8	96.9	99.7	100.3
56°	93.5	92.5	98.0	96.0	92.9	93.3	98.2	93.2	92.5	94.4	94.8
57°	89.2	87.6	92.0	90.8	88.7	88.9	93.5	88.6	88.1	89.1	89.4
58°	84.8	83.0	86.7	85.7	84.6	84.8	88.7	84.3	84.1	84.0	84.5
59°	80.6	78.6	81.8	80.6	80.6	80.8	84.4	80.2	80.2	79.1	79.8
60°	76.4	74.4	77.0	75.7	76.5	77.0	80.3	76.3	76.2	74.5	75.3
61°	72.4	70.3	72.4	71.1	72.6	73.5	76.4	72.7	72.3	70.5	71.1
62°	68.5	66.6	68.2	67.0	68.9	70.0	73.2	69.3	68.6	66.9	67.7
63°	64.7	63.1	64.5	63.4	65.3	66.7	71.0	66.1	65.0	63.6	64.8
64°	61.0	59.9	61.6	60.1	61.7	63.5	68.7	63.0	61.5	60.3	62.1
65°	57.4	56.8	59.0	56.9	58.2	60.3	65.9	59.7	58.1	57.1	59.1
66°	53.8	53.8	56.4	53.7	54.7	57.2	63.0	56.5	54.5	54.0	55.5
67°	50.3	50.8	53.2	50.5	51.1	54.1	59.6	53.3	50.8	51.0	51.4
68°	46.7	47.6	49.2	47.3	47.4	50.8	56.0	49.9	47.0	47.8	47.1
69°	43.0	44.5	45.2	43.9	43.4	47.2	52.1	46.5	42.8	44.5	44.3
70°	39.4	41.0	41.8	40.4	39.6	43.7	49.1	42.9	38.7	41.0	47.3
71°	35.8	37.7	42.6	36.8	35.9	40.0	53.8	39.3	35.1	37.5	49.2
72°	32.3	34.4	43.6	33.3	32.1	36.4	49.2	35.7	31.8	33.9	45.5
73°	29.2	31.0	44.5	29.7	28.8	32.7	41.5	32.1	28.5	30.1	37.7
74°	26.3	27.6	36.9	26.4	25.6	29.3	34.9	28.7	25.4	26.6	32.1
75°	23.3	24.1	29.6	23.1	22.6	25.9	30.0	25.5	22.5	23.4	28.0
76°	20.6	21.0	24.5	20.0	19.7	22.6	26.4	22.7	19.6	20.2	24.3
77°	17.8	17.9	20.6	17.2	17.0	19.2	23.3	19.7	17.0	17.1	21.0
78°	15.1	14.9	17.5	14.5	14.4	16.1	20.4	16.5	14.4	14.2	17.8
79°	12.4	12.0	14.6	11.8	12.0	13.2	17.5	13.6	12.0	11.8	15.0
80°	9.9	9.5	11.7	9.4	9.7	10.7	14.6	11.3	9.9	9.4	12.2
81°	7.7	7.2	8.9	7.3	7.6	8.4	11.9	9.0	7.8	7.0	9.8
82°	5.7	5.3	6.6	5.3	5.8	6.4	9.6	6.7	5.7	5.3	7.5
83°	4.5	4.2	4.5	4.2	4.4	4.9	7.3	5.2	4.5	4.1	5.1
84°	3.4	3.2	3.0	3.0	3.5	3.8	5.0	4.2	3.6	3.3	3.6
85°	2.3	2.2	1.5	1.9	2.5	2.6	3.1	3.1	2.6	2.3	2.2
86°	0.5	0.5	0.5	0.9	1.1	1.4	1.6	1.7	1.4	1.2	1.0
87°	0.1	0.1	0.1	0.2	0.3	0.5	0.6	0.5	0.4	0.5	0.4
88°	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2
89°	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1

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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: P1440274

CATALOG NUMBER: XSF60-KNYK-4Hx4V-840-Position 4

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: P1440274
CATALOG NUMBER: XSF60-KNYK-4Hx4V-840-Position 4

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: P1440274

CATALOG NUMBER: XSF60-KNYK-4Hx4V-840-Position 4

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	8542.0	8542.0	8542.0	8542.0	8542.0	8542.0	8542.0	8542.0	8542.0	8542.0	8542.0
1°	8490.3	8496.5	8511.5	8524.3	8538.9	8550.9	8561.5	8574.3	8582.7	8585.8	8582.7
2°	8376.3	8388.2	8413.8	8469.1	8504.4	8539.8	8568.5	8593.3	8604.8	8603.9	8586.2
3°	8262.2	8279.9	8316.2	8374.5	8423.1	8499.6	8554.8	8589.3	8605.7	8595.5	8556.2
4°	8147.8	8171.6	8218.0	8279.5	8342.2	8429.8	8521.2	8569.0	8588.0	8563.7	8502.2
5°	8007.2	8035.1	8082.8	8156.6	8260.9	8359.9	8473.5	8535.4	8552.2	8504.0	8421.4
6°	7863.6	7902.0	7951.5	8027.6	8144.2	8289.2	8384.2	8477.5	8489.4	8431.1	8325.4
7°	7724.8	7773.4	7830.9	7906.9	8025.3	8171.6	8294.5	8390.9	8405.9	8333.8	8215.4
8°	7585.1	7650.1	7713.8	7789.3	7899.4	8049.7	8204.8	8283.9	8296.3	8219.8	8093.9
9°	7437.5	7516.6	7590.0	7670.4	7773.9	7910.0	8063.8	8149.5	8158.8	8081.9	7964.8
10°	7269.1	7365.5	7453.9	7546.7	7637.3	7754.4	7895.8	7982.5	8002.4	7925.0	7829.1
11°	7072.0	7182.1	7292.1	7406.1	7493.7	7579.4	7702.7	7782.7	7802.1	7745.6	7684.6
12°	6845.7	6965.9	7093.2	7236.9	7330.1	7383.6	7480.4	7550.2	7579.8	7548.5	7533.0
13°	6586.3	6711.4	6860.7	7038.9	7145.8	7167.0	7232.9	7291.2	7329.2	7324.4	7354.9
14°	6297.2	6428.9	6595.1	6809.9	6928.8	6931.5	6968.6	7008.4	7054.3	7079.5	7159.5
15°	5986.1	6145.2	6313.1	6544.3	6680.0	6672.9	6679.1	6696.3	6751.1	6818.8	6935.0
16°	5662.1	5853.0	6024.5	6246.4	6389.6	6376.8	6366.6	6357.3	6426.7	6532.8	6681.7
17°	5336.4	5566.7	5735.0	5930.4	6069.2	6062.1	6028.1	5992.3	6079.8	6223.4	6386.5
18°	4987.2	5264.3	5441.1	5591.4	5706.3	5710.3	5660.8	5598.5	5693.1	5878.7	6048.8
19°	4606.7	4931.5	5118.0	5237.8	5315.6	5332.0	5252.4	5183.5	5291.3	5509.2	5681.6
20°	4197.6	4549.2	4759.2	4848.9	4890.9	4918.7	4839.6	4751.7	4863.5	5102.1	5269.6
21°	3751.3	4126.6	4340.8	4425.5	4444.5	4486.9	4394.1	4316.6	4431.2	4671.7	4838.7
22°	3292.0	3658.9	3885.6	3961.5	3981.2	4037.3	3957.7	3879.1	3995.6	4229.9	4388.9
23°	2829.4	3176.2	3397.9	3475.7	3504.0	3576.2	3505.6	3441.6	3559.9	3778.0	3920.1
24°	2384.0	2687.0	2903.8	2987.2	3028.8	3121.8	3063.9	3004.1	3124.1	3325.9	3451.2
25°	1961.2	2212.6	2414.9	2513.5	2571.8	2668.2	2627.8	2570.5	2694.9	2873.8	2982.3
26°	1582.6	1777.9	1961.0	2072.1	2143.5	2232.8	2194.8	2151.3	2272.1	2444.0	2535.3
27°	1262.4	1402.9	1561.4	1686.1	1753.1	1823.2	1793.5	1753.4	1865.9	2024.1	2113.8
28°	1055.1	1165.7	1223.6	1340.5	1410.4	1453.5	1428.2	1401.8	1496.8	1637.1	1724.0
29°	847.8	928.5	1020.1	1121.8	1123.4	1146.8	1126.6	1108.6	1181.8	1298.3	1381.6
30°	642.2	692.0	816.5	903.1	923.0	933.3	920.7	878.6	927.5	1016.0	1086.3
31°	526.0	562.0	616.2	687.0	722.9	720.9	714.9	704.8	737.1	798.6	857.6
32°	438.7	464.3	504.4	560.6	587.1	582.2	577.9	574.6	595.3	635.5	680.2
33°	374.5	392.0	423.3	467.7	486.3	477.6	476.8	478.4	491.2	515.9	548.9
34°	326.3	338.0	361.3	398.7	409.3	401.1	402.3	404.5	413.9	428.5	451.7
35°	288.7	296.3	315.1	346.8	351.8	343.3	346.3	358.3	368.4	378.9	397.5
36°	260.2	264.5	280.0	308.4	307.8	300.2	304.0	312.5	323.4	329.7	343.8
37°	237.0	239.7	252.1	278.6	274.3	267.3	271.7	281.3	278.3	280.5	290.1
38°	218.5	219.8	230.3	255.9	248.2	241.3	245.8	257.7	252.4	252.5	259.9
39°	203.4	203.8	213.0	238.1	227.5	221.2	225.1	238.2	231.2	229.7	236.3
40°	191.0	190.4	198.9	223.6	210.7	204.2	208.2	222.2	213.9	211.1	217.1
41°	180.7	179.1	187.1	211.7	197.0	190.4	194.2	209.0	199.7	195.6	201.8
42°	172.0	169.4	177.4	201.3	185.9	178.5	182.3	198.1	187.3	182.3	188.9
43°	164.5	161.1	169.1	192.2	176.5	168.6	172.1	189.0	176.9	171.2	178.2
44°	157.9	153.7	161.9	184.2	168.3	159.8	163.4	181.0	167.9	161.5	169.1

REPORT NUMBER: P1440274

CATALOG NUMBER: XSF60-KNYK-4Hx4V-840-Position 4

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	151.8	147.1	155.7	177.0	161.1	151.9	155.6	174.1	160.1	153.2	161.3
46°	146.0	141.0	150.0	170.4	154.8	144.9	148.9	167.9	153.1	145.6	154.3
47°	140.0	135.2	144.3	163.9	148.9	138.5	142.9	162.1	146.8	138.8	148.1
48°	134.0	129.9	138.6	156.9	143.3	132.6	137.6	156.7	141.2	132.8	142.4
49°	128.0	124.7	132.9	149.2	137.5	127.3	132.8	151.2	136.2	127.5	137.3
50°	122.1	119.7	127.2	141.5	131.5	122.2	127.8	145.4	131.6	122.4	132.4
51°	116.2	114.9	121.6	133.7	125.4	117.1	122.9	138.7	126.4	117.6	127.3
52°	110.5	110.1	116.0	126.1	119.4	112.2	117.6	132.0	120.9	112.8	122.0
53°	104.9	105.5	110.2	118.8	113.4	107.5	112.5	124.9	115.5	108.2	116.7
54°	99.8	101.2	104.7	111.5	107.3	102.9	107.4	117.8	110.2	103.7	111.1
55°	94.8	96.8	99.4	104.6	101.4	98.3	102.4	110.7	104.5	99.1	105.3
56°	89.9	92.3	94.1	98.6	96.0	93.7	97.4	104.0	99.2	94.6	99.4
57°	85.5	87.9	88.8	92.7	90.7	89.2	92.4	97.8	93.8	90.2	93.7
58°	81.2	83.9	83.8	86.8	85.4	84.9	87.5	92.4	89.0	85.8	88.4
59°	76.8	79.9	78.7	81.8	80.7	80.7	82.9	87.4	84.3	81.5	83.2
60°	72.7	76.0	73.8	76.8	75.9	76.6	78.3	82.9	79.7	77.4	78.1
61°	69.0	72.1	69.6	72.2	71.6	72.8	74.1	78.5	75.3	73.4	73.1
62°	65.8	68.4	66.0	68.3	67.6	69.0	70.2	74.4	71.2	69.5	68.4
63°	62.8	64.7	62.8	65.0	64.0	65.4	66.8	71.0	67.5	65.7	64.3
64°	59.8	61.1	59.8	62.5	60.6	61.8	63.8	68.7	64.2	62.2	60.9
65°	56.9	57.3	56.9	59.9	57.6	58.4	60.9	67.1	61.1	58.8	57.8
66°	53.7	53.8	54.0	57.1	54.5	54.9	58.0	65.2	58.1	55.3	54.7
67°	50.6	50.3	51.0	53.7	51.5	51.5	54.8	62.7	55.0	52.0	51.7
68°	47.3	46.6	47.8	49.6	48.6	47.9	51.7	59.8	52.0	48.5	48.8
69°	44.0	42.6	44.5	45.7	45.5	44.2	48.6	56.3	48.9	44.9	45.7
70°	40.6	38.8	41.1	43.7	42.1	40.4	45.3	52.6	45.6	41.0	42.5
71°	37.2	35.4	37.8	44.4	38.7	36.7	41.8	48.7	42.4	37.5	39.0
72°	33.7	32.3	34.4	46.4	35.2	33.4	38.3	48.4	38.8	34.1	35.5
73°	30.2	29.3	31.0	41.2	31.7	30.1	34.6	46.8	35.2	30.7	32.0
74°	26.8	26.4	27.5	33.6	28.1	26.9	31.0	39.9	31.6	27.5	28.6
75°	23.6	23.4	24.1	28.4	24.8	23.9	27.6	34.0	28.0	24.4	25.1
76°	20.5	20.6	21.1	24.2	21.5	21.1	24.3	28.1	24.7	21.5	21.9
77°	17.6	17.9	18.1	20.9	18.4	18.3	21.4	24.1	21.8	18.7	18.9
78°	14.8	15.3	15.2	17.9	15.4	15.7	18.4	20.8	18.5	16.0	16.0
79°	12.2	12.8	12.5	15.1	12.6	13.2	15.4	17.7	15.3	13.4	13.1
80°	10.1	10.7	10.4	12.5	10.4	11.0	12.6	14.9	12.4	11.0	10.6
81°	8.1	8.6	8.2	10.2	8.2	8.8	10.4	12.2	9.8	8.8	8.4
82°	6.0	6.5	6.1	7.8	5.9	6.6	8.2	9.7	7.6	6.8	6.3
83°	5.2	5.6	5.2	5.5	4.7	5.1	6.0	7.5	5.7	5.1	4.5
84°	5.0	5.5	5.1	4.1	4.3	4.4	5.0	5.4	4.8	4.0	3.5
85°	4.0	4.3	4.1	2.6	3.5	3.7	4.2	3.9	3.5	3.0	2.5
86°	2.1	2.2	2.4	1.3	2.2	2.5	2.7	2.4	2.2	2.0	1.5
87°	0.6	0.6	0.7	0.5	0.9	0.8	1.0	0.9	0.9	0.7	0.4
88°	0.2	0.2	0.3	0.2	0.3	0.3	0.4	0.3	0.3	0.2	0.1
89°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0

REPORT NUMBER: P1440274

CATALOG NUMBER: XSF60-KNYK-4Hx4V-840-Position 4

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: P1440274

CATALOG NUMBER: XSF60-KNYK-4Hx4V-840-Position 4

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: P1440274
CATALOG NUMBER: XSF60-KNYK-4Hx4V-840-Position 4

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: P1440274

CATALOG NUMBER: XSF60-KNYK-4Hx4V-840-Position 4

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	8542.0	8542.0	8542.0
1°	8572.5	8559.7	8545.1
2°	8561.5	8532.7	8504.4
3°	8513.7	8466.4	8423.1
4°	8432.4	8365.7	8314.0
5°	8331.6	8251.2	8188.0
6°	8212.7	8119.0	8054.1
7°	8090.3	7993.1	7925.5
8°	7971.4	7873.7	7804.4
9°	7848.6	7759.7	7682.4
10°	7731.9	7644.4	7563.5
11°	7610.8	7519.3	7424.3
12°	7479.1	7369.0	7247.5
13°	7318.2	7185.2	7044.2
14°	7125.9	6968.1	6809.9
15°	6904.5	6729.0	6556.2
16°	6649.0	6471.4	6284.4
17°	6367.1	6194.7	6005.5
18°	6059.4	5909.2	5731.9
19°	5727.1	5620.6	5436.3
20°	5353.6	5310.7	5121.1
21°	4966.9	4969.5	4768.4
22°	4541.3	4582.8	4367.0
23°	4100.2	4153.2	3917.4
24°	3624.7	3677.2	3467.1
25°	3148.9	3200.9	3016.8
26°	2673.2	2724.6	2561.1
27°	2221.8	2251.0	2100.3
28°	1800.9	1797.4	1676.9
29°	1433.7	1411.3	1329.5
30°	1122.0	1097.2	1041.6
31°	880.1	855.2	821.3
32°	697.1	677.0	652.4
33°	560.6	546.1	532.5
34°	462.8	451.0	441.8
35°	409.2	397.5	389.8
36°	356.2	344.6	338.3
37°	303.2	291.7	286.9
38°	274.0	262.0	257.3
39°	252.4	238.4	233.8
40°	234.7	219.1	214.6
41°	221.0	203.7	199.1
42°	209.4	190.6	185.6
43°	199.7	179.5	174.2
44°	190.9	169.9	164.2

REPORT NUMBER: P1440274

CATALOG NUMBER: XSF60-KNYK-4Hx4V-840-Position 4

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	182.8	161.4	155.5
46°	175.2	153.7	147.5
47°	168.3	146.8	140.6
48°	161.7	141.0	134.2
49°	155.3	135.4	128.0
50°	148.8	130.0	122.1
51°	142.1	124.8	116.7
52°	134.6	119.3	111.6
53°	126.9	114.1	107.0
54°	119.0	108.8	102.4
55°	111.3	103.4	97.9
56°	103.6	98.0	93.5
57°	96.7	92.5	89.2
58°	90.4	87.1	84.8
59°	84.6	81.6	80.6
60°	79.7	76.5	76.4
61°	74.9	71.6	72.4
62°	70.2	67.2	68.5
63°	66.1	63.3	64.7
64°	62.7	60.0	61.0
65°	59.8	57.0	57.4
66°	57.4	54.1	53.8
67°	54.8	51.1	50.3
68°	51.1	48.0	46.7
69°	47.0	44.9	43.0
70°	43.2	41.6	39.4
71°	43.0	38.2	35.8
72°	42.8	34.9	32.3
73°	42.6	31.5	29.2
74°	38.7	28.3	26.3
75°	31.6	25.1	23.3
76°	26.0	21.7	20.6
77°	21.9	18.6	17.8
78°	18.5	15.7	15.1
79°	15.5	12.7	12.4
80°	12.5	10.1	9.9
81°	9.7	7.7	7.7
82°	7.2	5.6	5.7
83°	5.1	4.6	4.5
84°	3.6	3.6	3.4
85°	2.2	2.5	2.3
86°	0.8	0.7	0.5
87°	0.2	0.1	0.1
88°	0.1	0.1	0.1
89°	0.0	0.0	0.0

REPORT NUMBER: P1440274

CATALOG NUMBER: XSF60-KNYK-4Hx4V-840-Position 4

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: P1440274

CATALOG NUMBER: XSF60-KNYK-4Hx4V-840-Position 4

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: P1440274

CATALOG NUMBER: XSF60-KNYK-4Hx4V-840-Position 4

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)