

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: P1440270

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

Issue Date: 04/15/2026

Test Information

Test Method: LM-79-2024
Report Number: P1440270
Test Lab: THIRD PARTY NVLAP
Issue Date: 7/15/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XSF60-KNYK-4Hx4V-830-Position 4
Description: LUMARK ALL SELECTABLE LUMINAIRE 60W w/ NEMA 4 FLOOD DISTRIBUTION 3000K CCT 80 CRI LIGHT ENGINE AT Position 4
Light Source: (1) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3943.1 lumens
Efficiency: N/A
Efficacy: 157.7 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

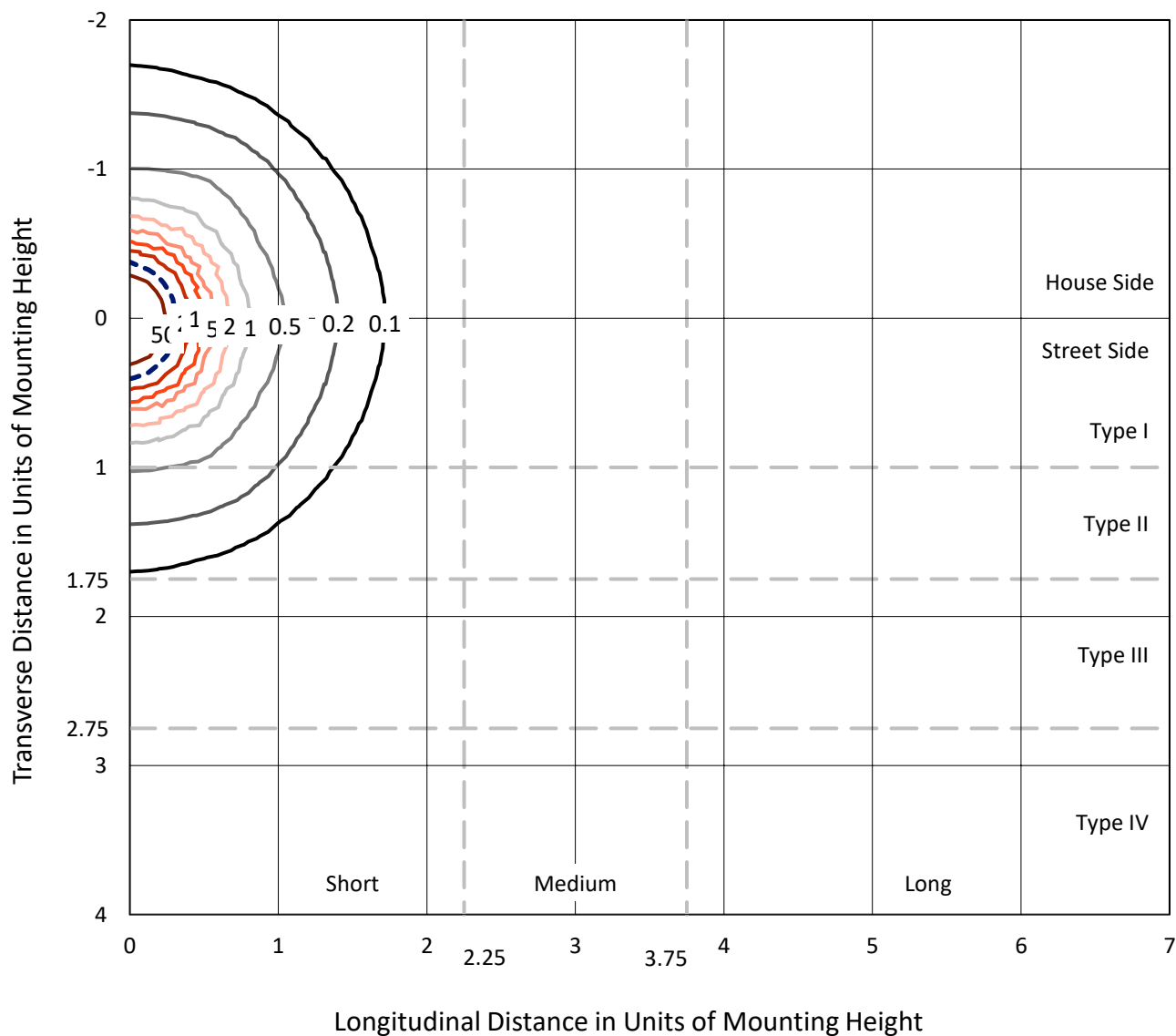
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



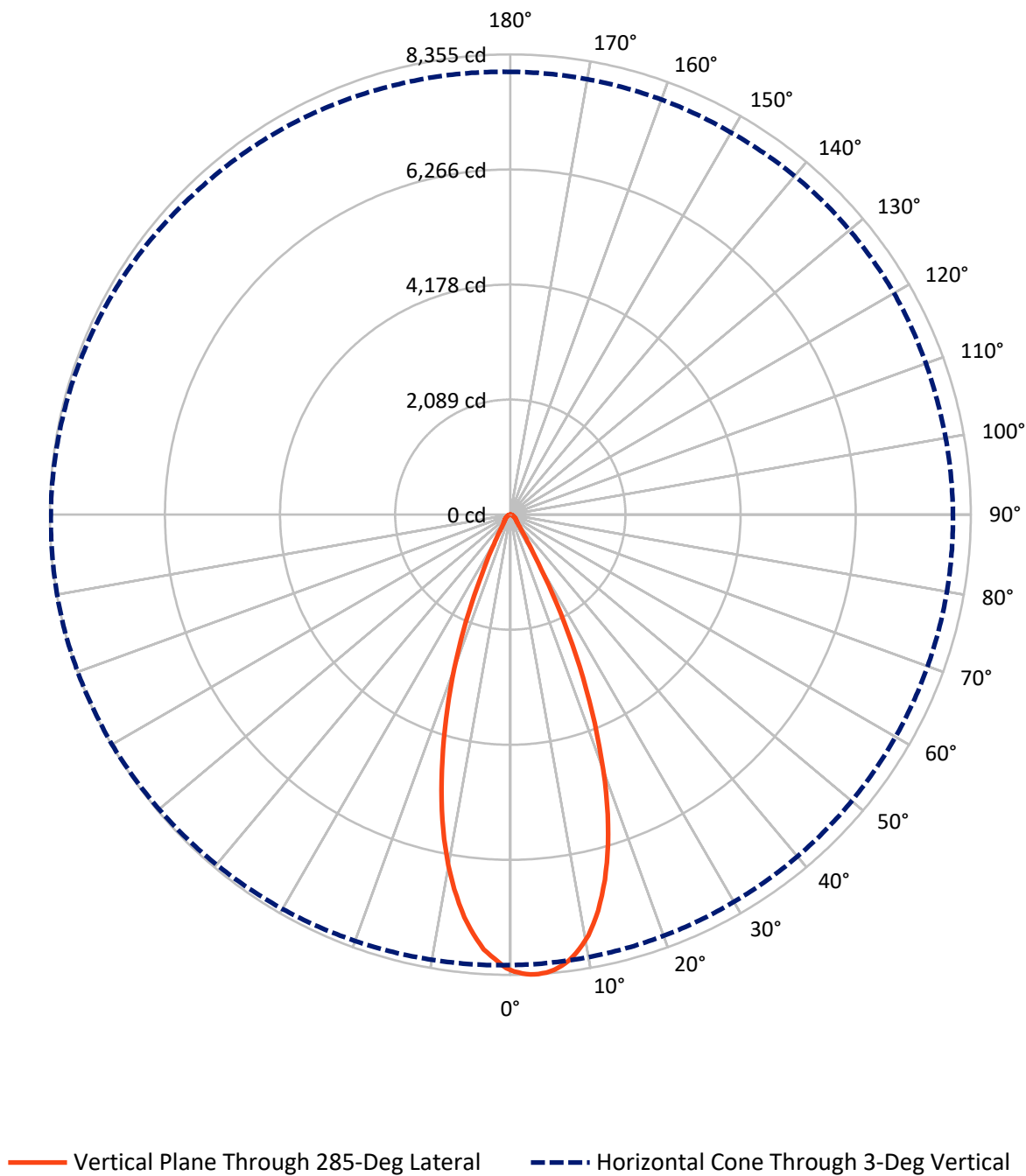
Based on 10 foot mounting height. Maximum calculated value = 82.9 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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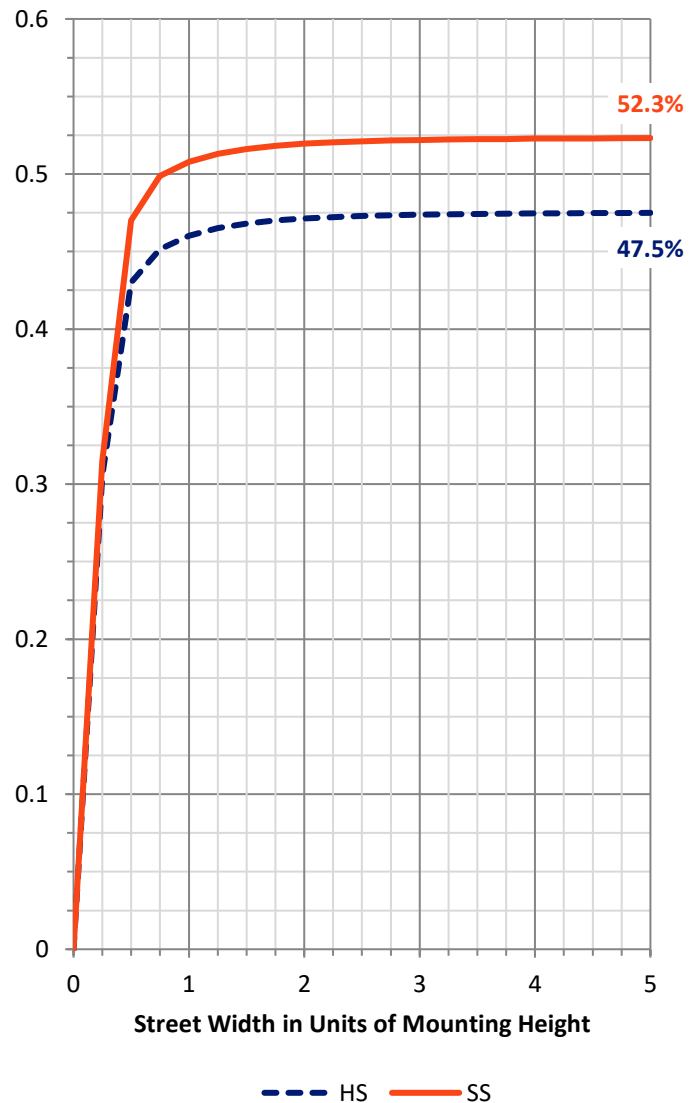
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1898.9	0.0	1898.9
	% Fixture	48.2	0.0	48.2
Street Side	Lumens	2044.2	0.0	2044.2
	% Fixture	51.8	0.0	51.8
Total	Lumens	3943.1	0.0	3943.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	734.3	18.6
10°-20°	1632.8	41.4
20°-30°	1045.7	26.5
30°-40°	233.0	5.9
40°-50°	121.3	3.1
50°-60°	88.2	2.2
60°-70°	56.8	1.4
70°-80°	27.2	0.7
80°-90°	3.7	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3943.1	100.0
0°-180°	3943.1	100.0

Coefficient of Utilization



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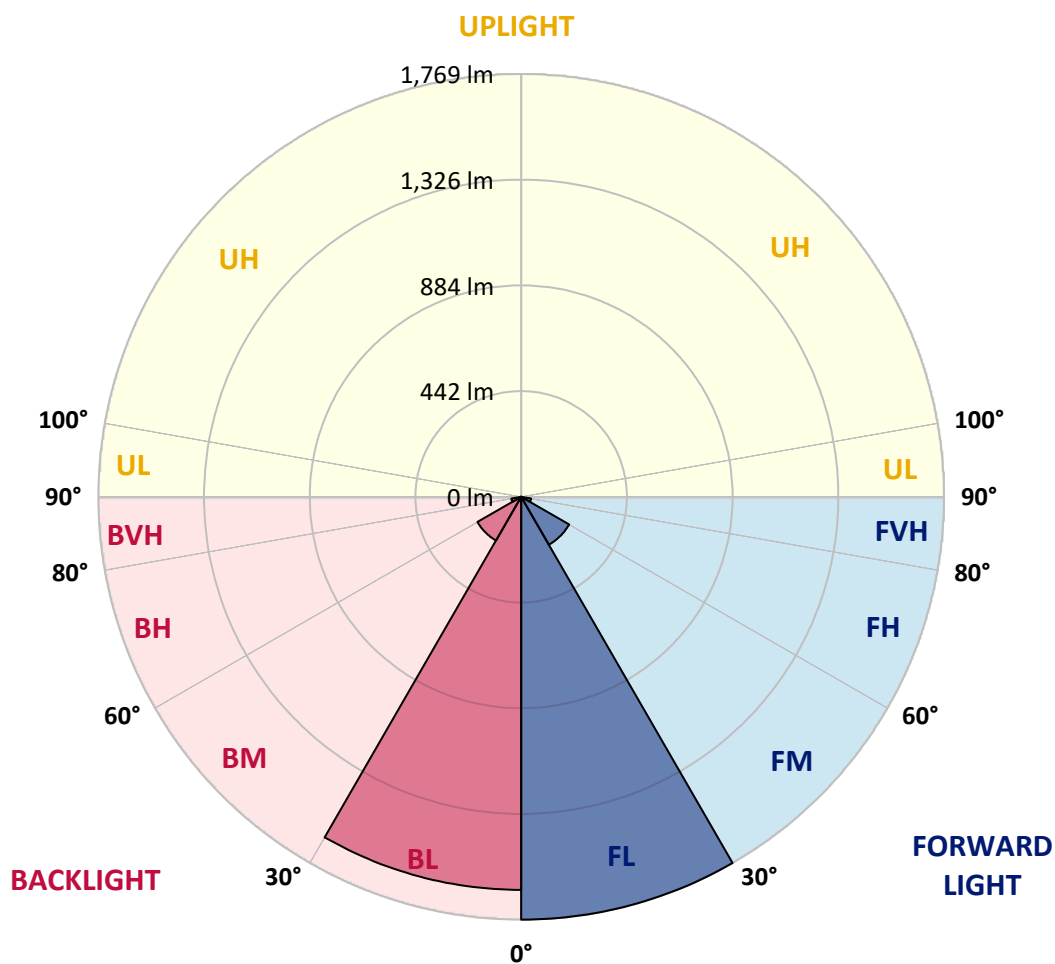
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1768.6	44.9			
FM	(30°-60°)	231.6	5.9			
FH	(60°-80°)	42.2	1.1			G0/660
FVH	(80°-90°)	1.8	0.0			G0/10
BL	(0°-30°)	1644.2	41.7	B3/2500		
BM	(30°-60°)	210.9	5.3	B0/220		
BH	(60°-80°)	41.8	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°	8293.2	8293.2	8293.2	8293.2	8293.2	8293.2	8293.2	8293.2	8293.2	8293.2	8293.2
1°	8296.2	8286.4	8270.5	8256.7	8244.7	8232.3	8238.7	8236.1	8232.3	8231.4	8231.4
2°	8256.7	8233.1	8206.1	8189.8	8169.6	8156.8	8135.3	8126.3	8137.0	8132.7	8120.3
3°	8177.8	8146.9	8115.6	8094.5	8070.1	8050.8	8031.5	8016.4	8040.5	8033.2	8009.2
4°	8071.8	8037.5	8001.0	7972.2	7947.4	7921.2	7927.2	7904.9	7893.3	7892.4	7897.6
5°	7949.5	7907.5	7868.0	7833.6	7797.2	7761.1	7767.6	7740.5	7732.0	7735.8	7748.7
6°	7819.5	7774.0	7727.7	7676.2	7627.3	7582.6	7579.6	7555.6	7554.3	7566.7	7600.2
7°	7694.6	7642.3	7577.9	7506.2	7440.2	7385.7	7374.5	7354.8	7351.8	7388.2	7445.7
8°	7577.0	7515.3	7427.7	7327.3	7236.8	7160.0	7146.2	7120.9	7133.4	7194.7	7282.7
9°	7458.6	7388.7	7272.8	7137.2	7011.9	6917.5	6890.5	6873.8	6899.1	6983.2	7109.8
10°	7343.2	7247.5	7109.8	6936.8	6775.9	6660.5	6617.2	6605.6	6651.5	6763.9	6918.8
11°	7208.0	7093.5	6927.8	6724.4	6531.3	6378.1	6327.1	6321.5	6384.1	6519.7	6705.5
12°	7036.4	6914.9	6734.3	6497.4	6275.6	6088.9	6011.3	6010.0	6098.8	6257.1	6464.4
13°	6839.0	6703.8	6504.7	6249.0	5998.0	5780.0	5683.4	5683.0	5792.9	5975.2	6199.6
14°	6611.6	6464.4	6241.7	5977.4	5708.3	5454.3	5332.4	5341.0	5468.0	5669.7	5904.4
15°	6365.3	6198.8	5951.2	5684.7	5386.5	5111.0	4973.7	4981.4	5125.6	5339.3	5580.4
16°	6101.4	5910.4	5633.7	5368.5	5045.4	4751.9	4603.0	4615.0	4764.3	4993.9	5231.2
17°	5830.6	5610.9	5311.4	5026.5	4694.4	4384.5	4236.2	4245.9	4394.4	4629.1	4873.7
18°	5565.0	5302.8	4973.7	4675.0	4332.2	4029.1	3872.9	3877.5	4018.4	4251.3	4503.0
19°	5277.9	4984.4	4624.4	4306.0	3955.5	3669.1	3512.7	3511.1	3638.9	3853.2	4113.1
20°	4972.0	4648.0	4264.9	3911.8	3594.3	3309.0	3159.5	3153.7	3270.2	3453.2	3709.5
21°	4629.6	4278.6	3876.8	3541.7	3233.2	2948.9	2803.7	2795.2	2898.1	3050.4	3280.6
22°	4239.8	3960.6	3487.9	3172.1	2864.2	2589.9	2452.2	2442.8	2530.4	2651.2	2856.1
23°	3803.3	3511.0	3099.0	2790.3	2501.6	2238.0	2107.2	2096.0	2173.2	2267.0	2442.9
24°	3366.1	3058.1	2705.3	2419.2	2148.2	1899.5	1776.1	1761.8	1826.7	1901.9	2054.3
25°	2928.9	2631.6	2321.5	2058.5	1811.0	1590.4	1480.2	1459.5	1507.8	1569.7	1699.2
26°	2486.5	2224.4	1955.7	1721.3	1502.2	1315.9	1223.6	1195.7	1228.0	1277.6	1380.3
27°	2039.2	1833.7	1616.9	1420.5	1236.4	1083.2	1046.4	1019.9	1042.6	1081.8	1116.4
28°	1628.1	1476.2	1313.5	1158.9	1008.4	888.5	869.2	844.1	857.3	885.8	944.7
29°	1290.8	1179.5	1066.3	944.4	827.9	733.0	692.3	669.0	673.7	691.9	773.0
30°	1011.3	938.0	860.2	769.8	681.2	605.8	577.4	556.1	557.5	571.1	602.2
31°	797.4	751.2	698.2	632.7	564.7	506.3	486.1	467.9	468.4	480.1	500.8
32°	633.4	604.6	574.3	525.9	474.3	430.5	415.4	398.3	399.9	410.3	424.0
33°	517.0	497.7	478.1	443.0	402.8	382.5	360.7	345.1	346.6	355.5	365.9
34°	429.0	416.9	406.1	392.9	358.4	335.1	319.2	303.6	304.2	313.5	322.0
35°	378.4	370.0	363.7	342.9	314.4	287.7	286.3	271.1	271.0	280.1	288.5
36°	328.5	323.6	321.5	292.8	270.4	259.3	260.5	245.5	244.9	254.1	262.9
37°	278.6	277.2	279.3	262.2	243.6	236.6	239.8	224.9	223.4	232.6	242.5
38°	249.8	249.6	254.3	238.0	222.2	218.0	222.6	207.8	206.1	215.3	226.3
39°	227.0	227.3	234.6	218.0	204.6	202.5	208.7	193.9	191.8	201.2	213.3
40°	208.4	209.3	218.6	201.3	190.3	189.7	197.1	182.3	180.0	189.6	202.5
41°	193.3	194.5	205.4	188.2	178.3	179.0	187.4	172.6	170.1	179.9	193.5
42°	180.2	182.2	194.2	177.2	168.3	170.1	179.3	164.3	161.6	171.8	185.5
43°	169.2	171.7	184.6	167.9	159.4	162.1	172.2	157.1	154.3	164.9	178.4
44°	159.5	162.8	175.9	159.7	151.4	155.0	165.9	150.9	147.6	158.9	172.3

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

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	150.9	154.8	168.3	152.5	144.4	148.6	160.1	145.2	141.6	153.2	166.0
46°	143.2	147.5	161.3	146.3	138.2	142.8	154.6	139.7	136.1	147.6	159.4
47°	136.5	141.0	155.0	140.9	132.5	137.4	148.5	134.3	130.8	141.7	152.1
48°	130.3	134.9	149.0	135.7	127.2	131.8	142.3	129.1	125.8	136.0	144.8
49°	124.2	128.8	142.7	130.5	122.1	126.5	136.3	124.0	121.1	130.1	137.3
50°	118.5	122.8	136.0	125.4	117.2	121.2	130.0	118.9	116.3	124.3	129.9
51°	113.3	116.8	128.9	119.9	112.5	115.8	123.6	113.8	111.9	118.7	122.8
52°	108.4	111.0	121.7	114.5	107.9	110.3	117.3	108.9	107.3	113.0	115.9
53°	103.9	105.5	114.8	109.1	103.3	105.0	111.4	104.0	102.8	107.5	109.2
54°	99.4	100.0	108.0	103.7	98.8	99.9	105.5	99.4	98.4	102.0	102.9
55°	95.1	94.8	101.4	98.5	94.4	95.0	100.0	94.9	94.1	96.8	97.4
56°	90.8	89.8	95.1	93.2	90.2	90.6	95.4	90.5	89.8	91.7	92.1
57°	86.6	85.1	89.3	88.2	86.1	86.4	90.7	86.0	85.6	86.5	86.8
58°	82.3	80.5	84.2	83.2	82.1	82.3	86.1	81.8	81.7	81.5	82.0
59°	78.3	76.3	79.4	78.3	78.3	78.5	82.0	77.9	77.8	76.8	77.5
60°	74.1	72.2	74.8	73.5	74.3	74.8	77.9	74.1	74.0	72.4	73.1
61°	70.3	68.3	70.3	69.0	70.5	71.3	74.1	70.5	70.2	68.4	69.0
62°	66.5	64.7	66.3	65.1	66.9	67.9	71.1	67.3	66.6	64.9	65.7
63°	62.8	61.2	62.7	61.5	63.4	64.8	68.9	64.2	63.1	61.7	62.9
64°	59.2	58.2	59.8	58.3	59.9	61.6	66.7	61.1	59.8	58.6	60.3
65°	55.7	55.1	57.3	55.2	56.5	58.5	64.0	58.0	56.4	55.4	57.4
66°	52.2	52.2	54.8	52.1	53.1	55.5	61.1	54.8	52.9	52.4	53.9
67°	48.8	49.3	51.6	49.0	49.6	52.6	57.9	51.8	49.3	49.5	49.9
68°	45.4	46.3	47.7	45.9	46.0	49.3	54.4	48.5	45.6	46.5	45.7
69°	41.7	43.2	43.9	42.6	42.1	45.8	50.5	45.1	41.6	43.2	43.0
70°	38.3	39.8	40.6	39.2	38.5	42.4	47.6	41.7	37.6	39.8	45.9
71°	34.8	36.6	41.4	35.8	34.8	38.9	52.2	38.2	34.1	36.4	47.8
72°	31.3	33.4	42.3	32.3	31.2	35.3	47.8	34.7	30.9	32.9	44.1
73°	28.3	30.1	43.2	28.9	27.9	31.8	40.3	31.2	27.7	29.2	36.6
74°	25.5	26.8	35.8	25.6	24.8	28.4	33.8	27.8	24.7	25.8	31.2
75°	22.6	23.4	28.7	22.4	21.9	25.1	29.2	24.8	21.9	22.7	27.2
76°	20.0	20.3	23.8	19.4	19.1	21.9	25.6	22.1	19.1	19.6	23.6
77°	17.3	17.4	20.0	16.7	16.5	18.7	22.6	19.1	16.5	16.6	20.3
78°	14.6	14.4	17.0	14.0	14.0	15.6	19.8	16.0	14.0	13.8	17.2
79°	12.1	11.7	14.2	11.5	11.7	12.8	17.0	13.2	11.6	11.5	14.6
80°	9.6	9.2	11.4	9.1	9.5	10.4	14.2	11.0	9.6	9.1	11.9
81°	7.5	7.0	8.6	7.1	7.4	8.2	11.6	8.7	7.6	6.8	9.6
82°	5.5	5.1	6.4	5.2	5.6	6.3	9.3	6.5	5.6	5.1	7.3
83°	4.4	4.1	4.4	4.0	4.3	4.8	7.1	5.0	4.4	4.0	5.0
84°	3.3	3.1	2.9	2.9	3.4	3.7	4.9	4.1	3.5	3.2	3.5
85°	2.2	2.1	1.4	1.8	2.4	2.5	3.0	3.0	2.5	2.3	2.1
86°	0.5	0.5	0.5	0.8	1.1	1.4	1.6	1.6	1.3	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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CATALOG NUMBER: XSF60-KNYK-4Hx4V-830-Position 4

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: P1440270

CATALOG NUMBER: XSF60-KNYK-4Hx4V-830-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: P1440270
CATALOG NUMBER: XSF60-KNYK-4Hx4V-830-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: P1440270

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

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	8293.2	8293.2	8293.2	8293.2	8293.2	8293.2	8293.2	8293.2	8293.2	8293.2	8293.2
1°	8243.0	8249.0	8263.6	8276.1	8290.2	8301.8	8312.1	8324.5	8332.7	8335.7	8332.7
2°	8132.3	8143.9	8168.8	8222.4	8256.7	8291.1	8319.0	8343.0	8354.1	8353.3	8336.1
3°	8021.6	8038.8	8073.9	8130.6	8177.8	8252.0	8305.7	8339.1	8355.0	8345.1	8306.9
4°	7910.5	7933.6	7978.7	8038.3	8099.3	8184.2	8273.0	8319.4	8337.8	8314.2	8254.6
5°	7774.0	7801.0	7847.4	7919.0	8020.3	8116.4	8226.7	8286.8	8303.1	8256.3	8176.1
6°	7634.5	7671.9	7719.9	7793.7	7907.0	8047.8	8140.0	8230.6	8242.2	8185.5	8083.0
7°	7499.8	7547.0	7602.8	7676.6	7791.6	7933.6	8052.9	8146.5	8161.1	8091.1	7976.1
8°	7364.2	7427.3	7489.1	7562.5	7669.3	7815.2	7965.8	8042.6	8054.6	7980.4	7858.1
9°	7220.9	7297.7	7368.9	7447.0	7547.4	7679.6	7828.9	7912.2	7921.2	7846.5	7732.8
10°	7057.4	7151.0	7236.8	7326.9	7414.8	7528.6	7665.9	7750.0	7769.3	7694.2	7601.1
11°	6866.0	6972.9	7079.7	7190.4	7275.4	7358.6	7478.4	7556.0	7574.9	7520.0	7460.8
12°	6646.3	6763.0	6886.6	7026.1	7116.6	7168.5	7262.5	7330.3	7359.1	7328.6	7313.6
13°	6394.4	6515.9	6660.9	6833.8	6937.7	6958.3	7022.2	7078.9	7115.8	7111.0	7140.7
14°	6113.8	6241.7	6403.0	6611.6	6727.0	6729.6	6765.6	6804.2	6848.9	6873.3	6951.0
15°	5811.7	5966.2	6129.3	6353.7	6485.4	6478.6	6484.6	6501.3	6554.5	6620.2	6733.0
16°	5497.2	5682.6	5849.1	6064.5	6203.5	6191.1	6181.2	6172.2	6239.5	6342.5	6487.1
17°	5181.0	5404.5	5568.0	5757.7	5892.4	5885.5	5852.5	5817.7	5902.7	6042.2	6200.5
18°	4842.0	5111.0	5282.7	5428.5	5540.1	5544.0	5495.9	5435.4	5527.2	5707.5	5872.7
19°	4472.5	4787.9	4969.0	5085.3	5160.8	5176.7	5099.4	5032.5	5137.2	5348.7	5516.1
20°	4075.3	4416.7	4620.5	4707.7	4748.4	4775.5	4698.6	4613.3	4721.8	4953.5	5116.2
21°	3642.1	4006.4	4214.4	4296.6	4315.0	4356.2	4266.2	4190.8	4302.2	4535.6	4697.8
22°	3196.2	3552.3	3772.4	3846.1	3865.3	3919.7	3842.4	3766.1	3879.2	4106.7	4261.0
23°	2747.0	3083.7	3298.9	3374.4	3401.9	3472.1	3403.4	3341.4	3456.2	3668.0	3805.9
24°	2314.6	2608.8	2819.2	2900.2	2940.6	3030.9	2974.7	2916.6	3033.1	3229.0	3350.7
25°	1904.0	2148.2	2344.6	2440.2	2496.9	2590.5	2551.2	2495.6	2616.4	2790.1	2895.4
26°	1536.5	1726.1	1903.9	2011.7	2081.0	2167.7	2130.9	2088.6	2206.0	2372.8	2461.5
27°	1225.6	1362.0	1515.9	1637.0	1702.1	1770.1	1741.3	1702.4	1811.6	1965.1	2052.3
28°	1024.3	1131.7	1188.0	1301.4	1369.3	1411.1	1386.6	1361.0	1453.2	1589.4	1673.8
29°	823.1	901.4	990.4	1089.1	1090.6	1113.4	1093.8	1076.3	1147.4	1260.5	1341.3
30°	623.5	671.8	792.7	876.8	896.1	906.1	893.9	853.0	900.5	986.4	1054.7
31°	510.7	545.6	598.3	667.0	701.9	699.9	694.1	684.3	715.7	775.4	832.6
32°	425.9	450.8	489.7	544.3	570.0	565.3	561.1	557.9	578.0	617.0	660.4
33°	363.6	380.6	411.0	454.0	472.1	463.7	463.0	464.5	476.9	500.8	532.9
34°	316.8	328.2	350.8	387.0	397.4	389.4	390.6	392.8	401.8	416.1	438.5
35°	280.2	287.7	305.9	336.7	341.5	333.3	336.2	347.9	357.7	367.8	385.9
36°	252.6	256.8	271.9	299.4	298.8	291.4	295.1	303.4	313.9	320.1	333.8
37°	230.1	232.8	244.8	270.5	266.3	259.5	263.8	273.1	270.2	272.4	281.6
38°	212.1	213.4	223.6	248.5	241.0	234.2	238.6	250.2	245.0	245.1	252.3
39°	197.4	197.8	206.8	231.1	220.8	214.7	218.6	231.2	224.5	223.0	229.4
40°	185.5	184.8	193.1	217.1	204.6	198.2	202.1	215.7	207.7	205.0	210.8
41°	175.5	173.9	181.7	205.5	191.3	184.8	188.5	202.9	193.9	189.9	195.9
42°	167.0	164.4	172.2	195.4	180.5	173.3	176.9	192.4	181.9	177.0	183.4
43°	159.7	156.4	164.2	186.6	171.4	163.6	167.1	183.5	171.7	166.2	173.0
44°	153.3	149.2	157.2	178.8	163.4	155.1	158.6	175.7	163.0	156.8	164.2

REPORT NUMBER: P1440270

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

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	147.4	142.9	151.1	171.9	156.4	147.5	151.1	169.1	155.4	148.8	156.6
46°	141.7	136.9	145.6	165.4	150.3	140.7	144.6	163.0	148.6	141.3	149.8
47°	135.9	131.3	140.1	159.1	144.6	134.5	138.7	157.4	142.6	134.8	143.7
48°	130.1	126.1	134.6	152.3	139.1	128.8	133.6	152.1	137.1	128.9	138.3
49°	124.3	121.1	129.0	144.9	133.5	123.6	129.0	146.8	132.3	123.8	133.3
50°	118.5	116.2	123.5	137.4	127.6	118.6	124.1	141.1	127.7	118.8	128.5
51°	112.9	111.6	118.0	129.8	121.8	113.7	119.3	134.7	122.7	114.2	123.6
52°	107.3	106.9	112.6	122.4	116.0	109.0	114.2	128.2	117.4	109.5	118.5
53°	101.9	102.4	107.0	115.3	110.1	104.4	109.2	121.3	112.2	105.0	113.3
54°	96.9	98.2	101.7	108.3	104.2	99.9	104.2	114.4	107.0	100.7	107.8
55°	92.0	93.9	96.5	101.5	98.4	95.4	99.4	107.5	101.5	96.2	102.3
56°	87.2	89.7	91.4	95.8	93.2	91.0	94.6	101.0	96.3	91.8	96.5
57°	83.0	85.4	86.2	90.0	88.1	86.6	89.7	94.9	91.1	87.5	91.0
58°	78.8	81.5	81.4	84.2	82.9	82.4	84.9	89.7	86.4	83.3	85.8
59°	74.6	77.6	76.4	79.4	78.3	78.4	80.5	84.9	81.8	79.2	80.8
60°	70.6	73.8	71.7	74.6	73.7	74.4	76.0	80.5	77.4	75.2	75.8
61°	67.0	70.0	67.5	70.1	69.5	70.6	71.9	76.2	73.1	71.3	71.0
62°	63.9	66.4	64.0	66.3	65.6	67.0	68.1	72.2	69.1	67.5	66.4
63°	61.0	62.8	61.0	63.1	62.1	63.5	64.9	69.0	65.5	63.8	62.5
64°	58.1	59.3	58.1	60.7	58.9	60.0	61.9	66.7	62.4	60.4	59.1
65°	55.2	55.7	55.3	58.2	55.9	56.7	59.1	65.1	59.3	57.1	56.1
66°	52.2	52.2	52.4	55.4	52.9	53.3	56.3	63.3	56.4	53.7	53.1
67°	49.1	48.8	49.5	52.1	50.0	50.0	53.2	60.9	53.4	50.4	50.2
68°	46.0	45.2	46.4	48.1	47.2	46.5	50.2	58.0	50.5	47.1	47.4
69°	42.7	41.4	43.2	44.4	44.1	42.9	47.2	54.7	47.5	43.6	44.4
70°	39.4	37.7	39.9	42.4	40.9	39.2	44.0	51.0	44.3	39.8	41.2
71°	36.1	34.4	36.7	43.1	37.6	35.6	40.6	47.3	41.1	36.4	37.9
72°	32.7	31.3	33.4	45.1	34.2	32.4	37.1	47.0	37.7	33.1	34.5
73°	29.4	28.4	30.1	40.0	30.8	29.2	33.6	45.5	34.2	29.8	31.1
74°	26.0	25.6	26.7	32.6	27.3	26.2	30.1	38.7	30.7	26.7	27.7
75°	22.9	22.8	23.4	27.5	24.1	23.2	26.8	33.0	27.2	23.7	24.4
76°	20.0	20.0	20.5	23.5	20.9	20.4	23.6	27.3	24.0	20.8	21.2
77°	17.1	17.4	17.6	20.3	17.8	17.8	20.8	23.4	21.1	18.1	18.3
78°	14.4	14.8	14.8	17.4	14.9	15.2	17.9	20.2	17.9	15.5	15.5
79°	11.9	12.5	12.2	14.7	12.2	12.8	15.0	17.2	14.8	13.0	12.8
80°	9.9	10.4	10.1	12.1	10.1	10.7	12.2	14.4	12.0	10.7	10.3
81°	7.8	8.3	8.0	9.9	7.9	8.5	10.1	11.8	9.5	8.6	8.2
82°	5.8	6.3	6.0	7.6	5.8	6.4	7.9	9.4	7.4	6.6	6.1
83°	5.0	5.4	5.1	5.3	4.5	4.9	5.8	7.3	5.5	4.9	4.3
84°	4.8	5.3	4.9	4.0	4.2	4.3	4.8	5.3	4.6	3.9	3.4
85°	3.8	4.2	4.0	2.5	3.4	3.6	4.0	3.8	3.4	2.9	2.4
86°	2.0	2.2	2.3	1.2	2.1	2.4	2.6	2.3	2.2	1.9	1.4
87°	0.6	0.6	0.7	0.5	0.9	0.7	0.9	0.8	0.9	0.7	0.4
88°	0.2	0.2	0.2	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	0.0	0.0

REPORT NUMBER: P1440270

CATALOG NUMBER: XSF60-KNYK-4Hx4V-830-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: P1440270

CATALOG NUMBER: XSF60-KNYK-4Hx4V-830-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: P1440270
CATALOG NUMBER: XSF60-KNYK-4Hx4V-830-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: P1440270

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	8293.2	8293.2	8293.2
1°	8322.8	8310.4	8296.2
2°	8312.1	8284.2	8256.7
3°	8265.8	8219.8	8177.8
4°	8186.8	8122.0	8071.8
5°	8089.0	8010.9	7949.5
6°	7973.5	7882.6	7819.5
7°	7854.7	7760.3	7694.6
8°	7739.2	7644.4	7577.0
9°	7620.0	7533.7	7458.6
10°	7506.7	7421.7	7343.2
11°	7389.1	7300.3	7208.0
12°	7261.2	7154.4	7036.4
13°	7105.0	6975.9	6839.0
14°	6918.4	6765.2	6611.6
15°	6703.4	6533.0	6365.3
16°	6455.4	6282.9	6101.4
17°	6181.6	6014.3	5830.6
18°	5883.0	5737.1	5565.0
19°	5560.3	5456.9	5277.9
20°	5197.7	5156.1	4972.0
21°	4822.2	4824.8	4629.6
22°	4409.0	4449.3	4239.8
23°	3980.8	4032.3	3803.3
24°	3519.1	3570.1	3366.1
25°	3057.2	3107.7	2928.9
26°	2595.4	2645.2	2486.5
27°	2157.1	2185.4	2039.2
28°	1748.4	1745.1	1628.1
29°	1391.9	1370.2	1290.8
30°	1089.3	1065.3	1011.3
31°	854.4	830.3	797.4
32°	676.8	657.3	633.4
33°	544.3	530.2	517.0
34°	449.4	437.9	429.0
35°	397.2	385.9	378.4
36°	345.8	334.6	328.5
37°	294.4	283.2	278.6
38°	266.1	254.4	249.8
39°	245.0	231.4	227.0
40°	227.8	212.7	208.4
41°	214.6	197.7	193.3
42°	203.3	185.0	180.2
43°	193.9	174.3	169.2
44°	185.3	164.9	159.5

REPORT NUMBER: P1440270

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	177.5	156.7	150.9
46°	170.1	149.2	143.2
47°	163.4	142.6	136.5
48°	157.0	136.8	130.3
49°	150.8	131.4	124.2
50°	144.5	126.2	118.5
51°	138.0	121.1	113.3
52°	130.7	115.8	108.4
53°	123.2	110.8	103.9
54°	115.5	105.6	99.4
55°	108.1	100.4	95.1
56°	100.6	95.2	90.8
57°	93.9	89.9	86.6
58°	87.7	84.6	82.3
59°	82.1	79.2	78.3
60°	77.3	74.3	74.1
61°	72.7	69.6	70.3
62°	68.2	65.2	66.5
63°	64.2	61.5	62.8
64°	60.9	58.3	59.2
65°	58.0	55.3	55.7
66°	55.7	52.5	52.2
67°	53.2	49.6	48.8
68°	49.6	46.6	45.4
69°	45.6	43.6	41.7
70°	42.0	40.4	38.3
71°	41.7	37.1	34.8
72°	41.5	33.9	31.3
73°	41.3	30.6	28.3
74°	37.6	27.4	25.5
75°	30.7	24.3	22.6
76°	25.3	21.0	20.0
77°	21.3	18.1	17.3
78°	18.0	15.2	14.6
79°	15.0	12.4	12.1
80°	12.2	9.8	9.6
81°	9.4	7.5	7.5
82°	7.0	5.5	5.5
83°	4.9	4.5	4.4
84°	3.5	3.5	3.3
85°	2.1	2.5	2.2
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: P1440270

CATALOG NUMBER: XSF60-KNYK-4Hx4V-830-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: P1440270

CATALOG NUMBER: XSF60-KNYK-4Hx4V-830-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: P1440270

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)