

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: P1440284

Luminaire Tested: XSF60-KNYK-5Hx5V-840-Position 2

Issue Date: 04/15/2026

Test Information

Test Method: LM-79-2024
Report Number: P1440284
Test Lab: THIRD PARTY NVLAP
Issue Date: 7/15/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XSF60-KNYK-5Hx5V-840-Position 2
Description: LUMARK ALL SELECTABLE LUMINAIRE 60W w/ NEMA 5 FLOOD DISTRIBUTION 4000K CCT 80 CRI LIGHT ENGINE AT Position 2
Light Source: (1) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7719.1 lumens
Efficiency: N/A
Efficacy: 164.2 lumens/watt
Luminous Opening: Rectangular (W 0.3' x L: 0.3' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - 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

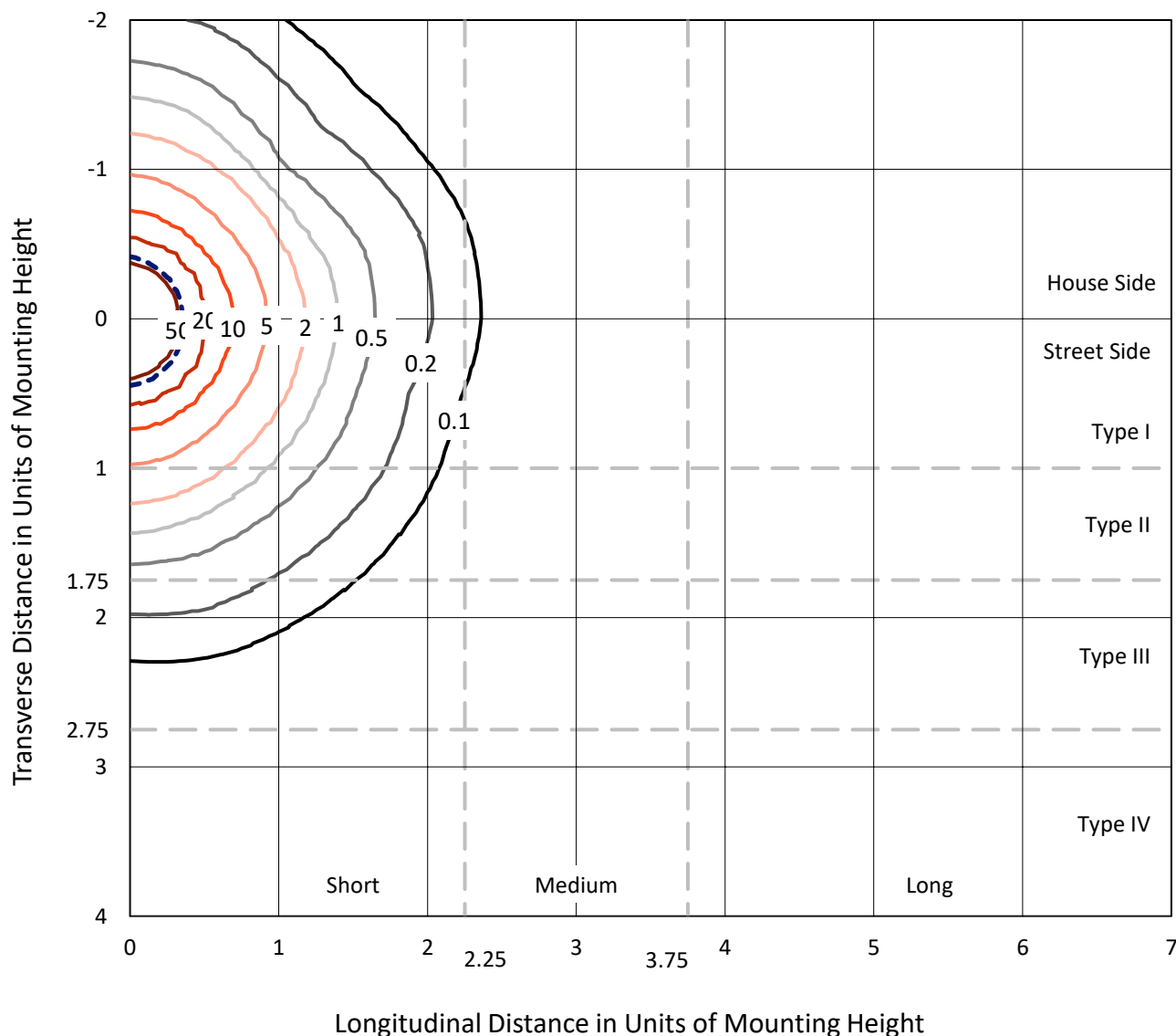
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



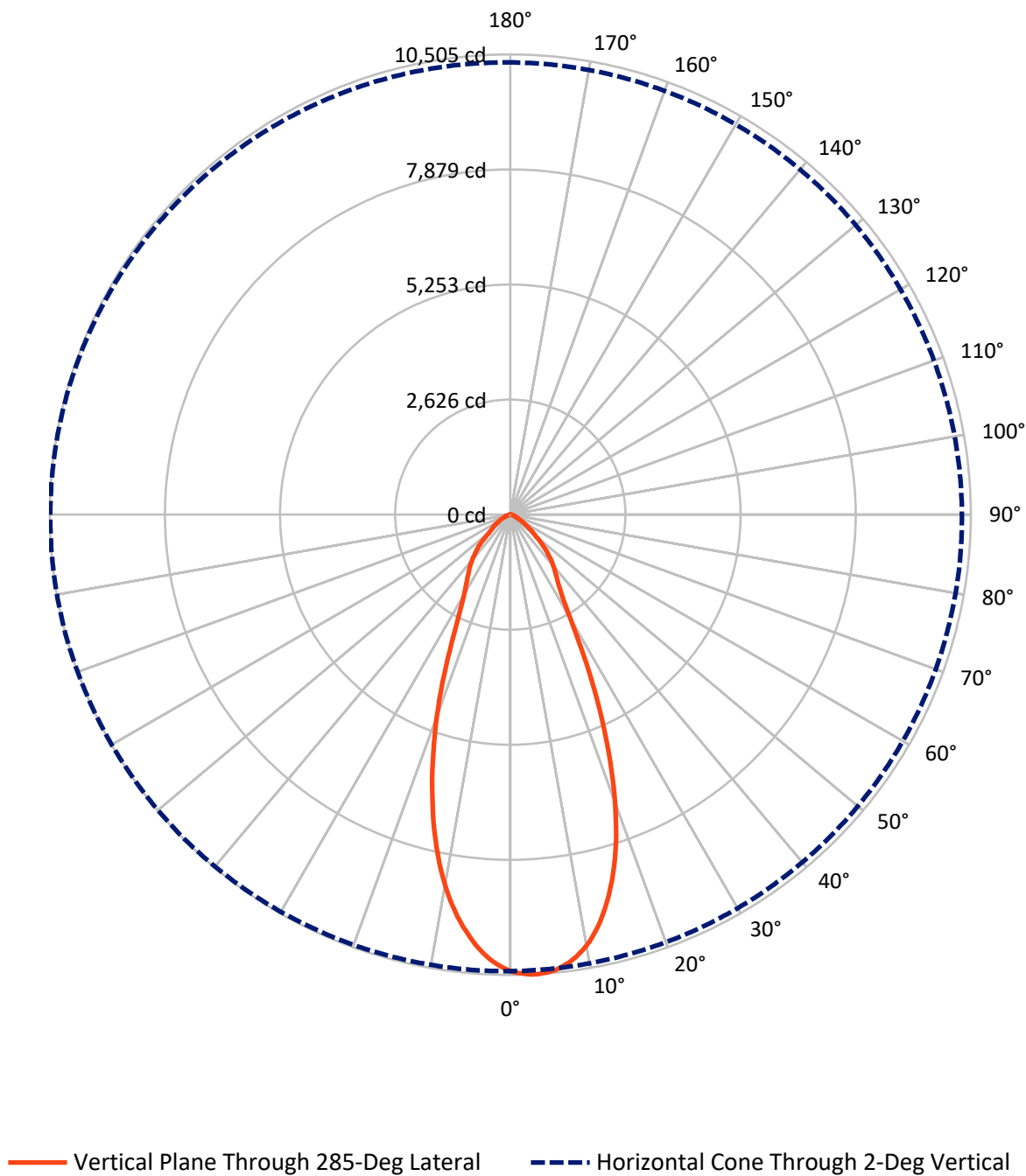
Based on 10 foot mounting height. Maximum calculated value = 104.5 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3750.4	0.0	3750.4
	% Fixture	48.6	0.0	48.6
Street Side	Lumens	3968.7	0.0	3968.7
	% Fixture	51.4	0.0	51.4
Total	Lumens	7719.1	0.0	7719.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	939.4	12.2
10°-20°	2220.4	28.8
20°-30°	1884.8	24.4
30°-40°	1152.6	14.9
40°-50°	840.5	10.9
50°-60°	417.4	5.4
60°-70°	187.9	2.4
70°-80°	67.5	0.9
80°-90°	8.5	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°	7719.1	100.0
0°-180°	7719.1	100.0

Coefficient of Utilization



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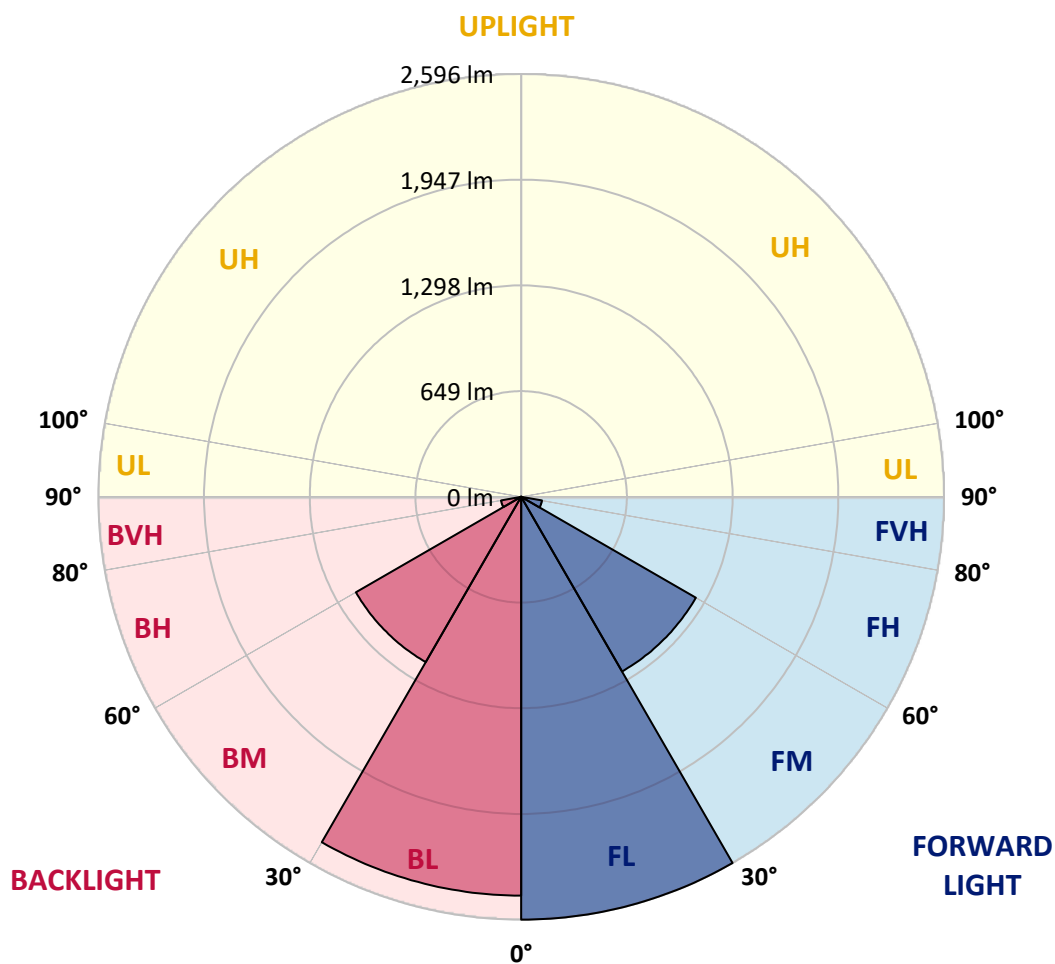
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2596.2	33.6			
FM	(30°-60°)	1238.7	16.0			
FH	(60°-80°)	129.7	1.7			G0/660
FVH	(80°-90°)	4.1	0.1			G0/10
BL	(0°-30°)	2448.5	31.7	B3/2500		
BM	(30°-60°)	1171.8	15.2	B2/2500		
BH	(60°-80°)	125.7	1.6	B1/500		G0/660
BVH	(80°-90°)	4.5	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 V Short



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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	10448.0	10448.0	10448.0	10448.0	10448.0	10448.0	10448.0	10448.0	10448.0	10448.0	10448.0
1°	10458.6	10443.0	10429.1	10417.6	10406.1	10397.0	10387.2	10376.5	10375.7	10378.2	10384.7
2°	10420.0	10391.3	10371.6	10356.0	10340.4	10320.7	10304.3	10287.8	10282.1	10284.6	10285.4
3°	10347.8	10313.3	10283.7	10260.8	10237.8	10214.8	10190.1	10173.7	10163.0	10162.2	10167.2
4°	10246.8	10199.2	10163.9	10140.9	10111.3	10087.5	10053.8	10033.3	10024.3	10025.1	10031.7
5°	10125.3	10079.3	10035.8	9998.0	9962.7	9934.8	9895.4	9869.9	9860.9	9869.1	9885.5
6°	9994.7	9943.0	9893.7	9842.8	9791.9	9752.5	9707.4	9677.8	9675.3	9697.5	9734.5
7°	9865.8	9806.7	9743.5	9672.1	9600.6	9549.7	9505.4	9475.0	9475.8	9511.9	9573.5
8°	9750.9	9677.0	9590.8	9492.2	9396.2	9328.9	9271.4	9247.6	9262.3	9319.0	9411.8
9°	9632.6	9546.4	9432.3	9299.3	9172.9	9085.0	9016.8	8998.0	9023.4	9106.3	9235.3
10°	9507.0	9404.4	9261.5	9097.3	8939.7	8827.2	8737.7	8725.4	8768.9	8879.7	9034.9
11°	9360.9	9247.6	9075.1	8881.4	8688.4	8542.3	8442.9	8430.6	8497.1	8631.0	8818.2
12°	9186.0	9056.3	8874.0	8644.1	8426.5	8247.5	8122.1	8117.6	8201.2	8363.3	8567.7
13°	8978.3	8839.5	8637.5	8385.5	8139.4	7924.8	7778.4	7779.0	7885.8	8069.0	8287.8
14°	8742.6	8583.3	8364.1	8105.5	7826.6	7583.9	7419.0	7422.4	7550.9	7749.3	7978.3
15°	8482.3	8311.6	8053.6	7795.9	7501.1	7226.5	7039.4	7051.5	7189.4	7405.0	7637.6
16°	8210.6	8002.6	7729.6	7463.6	7146.6	6853.0	6653.0	6661.1	6809.7	7043.2	7273.2
17°	7923.3	7681.8	7386.1	7106.2	6770.4	6462.0	6261.8	6272.1	6419.7	6653.4	6891.7
18°	7624.2	7355.3	7031.0	6729.8	6383.5	6071.9	5873.8	5872.1	6018.6	6252.0	6496.0
19°	7314.1	7015.4	6658.8	6331.0	5984.4	5674.4	5485.9	5482.2	5613.8	5826.0	6082.6
20°	6986.6	6652.9	6270.5	5926.5	5585.8	5287.2	5100.7	5093.8	5207.7	5391.6	5646.3
21°	6622.0	6257.1	5858.6	5516.4	5180.1	4897.9	4712.8	4702.2	4798.3	4953.7	5190.1
22°	6215.2	5848.4	5438.6	5100.7	4780.5	4506.0	4332.7	4315.9	4402.3	4521.6	4733.3
23°	5772.4	5404.0	5007.8	4678.4	4375.9	4119.2	3957.0	3932.4	4002.1	4099.9	4282.9
24°	5302.6	4949.7	4578.6	4264.1	3983.6	3748.5	3598.2	3570.6	3618.5	3691.7	3860.0
25°	4831.2	4509.1	4164.2	3869.6	3609.0	3404.5	3277.0	3235.0	3261.4	3317.3	3468.4
26°	4354.6	4070.1	3760.3	3490.7	3261.4	3095.2	2991.3	2944.7	2941.5	2985.0	3112.7
27°	3894.4	3657.7	3386.4	3143.7	2955.7	2832.1	2749.9	2699.8	2674.3	2696.3	2812.1
28°	3464.7	3275.0	3050.1	2840.8	2687.7	2604.5	2545.2	2490.8	2450.9	2459.6	2555.2
29°	3097.4	2948.6	2762.0	2583.6	2467.0	2412.6	2373.5	2319.1	2266.8	2263.2	2348.1
30°	2794.1	2672.4	2520.9	2367.1	2277.8	2252.7	2230.7	2174.6	2118.2	2104.0	2177.6
31°	2555.8	2457.3	2320.1	2186.1	2120.5	2120.0	2110.1	2056.7	1993.9	1973.1	2042.8
32°	2369.8	2283.6	2154.4	2039.7	1991.5	2007.9	2009.8	1953.2	1890.7	1864.6	1930.4
33°	2227.1	2147.6	2020.6	1915.0	1882.1	1912.2	1921.2	1864.6	1802.2	1770.2	1835.1
34°	2114.1	2039.8	1910.5	1809.2	1785.1	1828.0	1844.9	1786.4	1722.6	1690.0	1755.3
35°	2022.8	1949.4	1817.9	1716.3	1699.6	1750.0	1772.1	1713.0	1648.8	1615.3	1683.6
36°	1947.0	1872.4	1737.9	1632.0	1623.1	1679.3	1702.9	1644.8	1580.6	1547.6	1616.6
37°	1881.5	1803.0	1666.4	1558.4	1553.3	1611.5	1636.6	1581.9	1512.5	1479.8	1553.9
38°	1820.8	1736.2	1600.8	1491.5	1488.0	1545.2	1573.6	1519.0	1444.3	1412.0	1491.3
39°	1759.0	1669.9	1537.1	1426.2	1422.6	1478.2	1510.7	1455.9	1375.5	1342.0	1428.6
40°	1692.6	1603.4	1470.3	1359.2	1357.4	1407.5	1447.6	1388.2	1308.8	1273.7	1361.0
41°	1623.5	1535.0	1399.7	1291.6	1290.3	1335.9	1375.4	1321.7	1238.3	1206.5	1291.6
42°	1548.9	1462.4	1326.9	1223.5	1221.6	1259.6	1299.7	1249.9	1167.4	1138.6	1221.6
43°	1470.4	1385.5	1255.5	1153.3	1152.2	1180.8	1224.9	1181.3	1095.1	1068.6	1151.5
44°	1388.2	1305.6	1182.1	1085.4	1082.6	1104.7	1150.8	1112.8	1022.6	1000.0	1085.9

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CATALOG NUMBER: XSF60-KNYK-5Hx5V-840-Position 2

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	1298.8	1224.8	1109.5	1017.8	1016.7	1033.3	1080.2	1046.4	954.3	934.9	1021.9
46°	1208.2	1145.5	1037.0	952.2	951.9	963.2	1003.7	973.6	885.0	878.8	961.9
47°	1120.2	1067.0	966.2	887.6	879.6	886.4	922.3	887.2	799.1	815.5	895.6
48°	1038.0	991.5	891.6	814.6	804.2	814.6	845.5	800.5	712.9	738.0	814.3
49°	950.8	907.7	803.7	736.3	736.3	743.7	773.6	716.2	636.6	660.6	724.1
50°	870.6	820.3	729.8	659.3	668.4	683.5	710.6	643.0	556.5	563.8	643.7
51°	807.6	725.7	656.4	582.4	600.4	623.5	659.7	591.3	495.1	487.2	566.1
52°	729.4	660.3	583.0	529.3	548.6	575.8	614.5	552.5	451.7	425.0	511.1
53°	658.8	594.9	525.2	489.3	499.2	524.6	573.0	520.7	413.8	375.9	476.7
54°	588.4	550.3	484.7	462.4	453.7	473.2	526.2	495.5	382.0	328.5	439.6
55°	539.6	493.1	442.6	432.5	418.3	429.6	484.6	464.7	352.7	287.6	398.0
56°	483.9	444.7	407.0	397.0	394.0	396.4	449.3	435.4	325.1	255.0	355.4
57°	430.3	406.0	372.0	366.2	372.1	365.7	413.3	404.3	303.3	233.0	319.8
58°	378.6	368.7	340.7	337.0	341.9	330.8	378.1	381.6	281.7	216.9	288.2
59°	342.5	340.3	313.7	308.1	318.2	301.3	346.7	348.4	255.2	202.4	262.2
60°	306.4	320.2	289.3	281.7	292.6	264.7	320.3	315.2	234.5	189.3	240.0
61°	274.0	292.4	262.5	258.6	265.4	235.2	292.0	293.0	221.6	178.5	219.3
62°	244.8	261.7	238.0	236.9	241.5	217.8	266.8	272.1	205.3	167.6	201.7
63°	220.5	234.8	217.5	217.3	221.2	202.9	247.4	251.0	189.6	156.8	186.8
64°	197.5	215.0	199.7	200.1	203.4	185.7	227.1	226.8	174.7	147.4	172.8
65°	178.0	194.5	184.6	184.5	186.0	170.2	207.0	205.2	159.8	138.6	158.8
66°	161.6	176.2	169.5	169.5	169.6	156.3	188.0	185.7	146.7	129.5	145.9
67°	146.6	159.7	155.1	155.3	154.0	144.1	169.0	166.2	133.9	120.6	132.8
68°	132.6	143.7	140.5	140.8	138.7	132.1	150.0	146.7	121.5	112.1	120.1
69°	119.6	128.8	125.6	126.1	124.3	120.0	133.6	130.9	110.3	103.4	109.5
70°	107.0	114.6	112.1	112.5	110.8	108.6	120.5	117.6	100.1	95.0	105.4
71°	96.0	101.9	102.1	99.9	98.7	98.2	115.8	105.5	90.7	86.6	100.2
72°	85.2	90.5	100.1	88.7	87.6	88.3	103.5	94.1	81.9	78.4	90.1
73°	75.2	79.8	89.7	78.4	77.4	78.7	89.2	83.2	73.2	69.9	77.1
74°	66.5	70.1	75.9	69.3	68.5	69.9	76.5	73.1	64.9	61.9	66.7
75°	57.8	60.3	65.1	60.2	59.7	61.1	65.9	63.6	57.0	54.4	57.7
76°	49.1	50.6	54.3	51.2	50.8	52.4	57.0	54.9	49.5	47.1	49.3
77°	41.7	42.3	43.5	43.0	43.2	44.6	49.1	46.9	42.5	40.3	41.9
78°	34.4	34.3	36.3	35.7	36.5	37.6	42.3	39.5	36.0	33.4	35.2
79°	27.1	27.4	30.0	29.3	30.3	31.1	35.6	32.6	30.0	27.4	29.4
80°	21.1	21.3	23.9	23.7	24.2	25.2	28.9	26.5	24.4	22.2	24.1
81°	16.1	16.1	18.1	18.8	19.6	20.4	23.5	21.9	19.9	18.1	19.5
82°	12.0	12.3	13.8	14.1	15.0	16.0	19.0	17.3	15.5	14.0	14.9
83°	8.5	8.6	9.4	9.9	10.9	11.9	14.5	12.7	11.0	9.8	10.3
84°	6.0	6.0	6.6	7.1	8.0	8.8	10.0	9.3	8.2	7.2	7.1
85°	3.5	3.5	3.9	4.4	5.2	5.9	6.3	6.4	5.5	4.7	4.3
86°	0.9	0.9	1.1	1.7	2.4	3.5	3.4	3.4	2.9	2.5	2.2
87°	0.3	0.3	0.3	0.4	0.7	1.1	1.3	1.3	1.1	1.0	1.0
88°	0.1	0.1	0.1	0.1	0.2	0.3	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	0.2	0.2	0.2

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CATALOG NUMBER: XSF60-KNYK-5Hx5V-840-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: P1440284

CATALOG NUMBER: XSF60-KNYK-5Hx5V-840-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: P1440284
CATALOG NUMBER: XSF60-KNYK-5Hx5V-840-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: P1440284

CATALOG NUMBER: XSF60-KNYK-5Hx5V-840-Position 2

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	10448.0	10448.0	10448.0	10448.0	10448.0	10448.0	10448.0	10448.0	10448.0	10448.0	10448.0
1°	10392.9	10410.2	10417.6	10435.6	10448.0	10462.7	10474.2	10480.0	10478.3	10484.9	10487.4
2°	10299.3	10323.2	10347.0	10379.0	10416.8	10450.4	10480.0	10497.2	10505.4	10499.7	10491.5
3°	10183.6	10207.4	10245.2	10292.8	10351.9	10409.4	10466.8	10490.6	10503.8	10493.1	10467.7
4°	10051.4	10080.9	10125.3	10185.2	10269.0	10351.1	10433.2	10470.1	10488.2	10460.3	10411.8
5°	9915.9	9949.6	9995.5	10063.7	10165.5	10273.9	10377.3	10434.0	10452.1	10407.7	10337.9
6°	9780.4	9814.9	9861.7	9942.2	10051.4	10178.6	10303.4	10377.3	10388.8	10337.1	10244.3
7°	9637.6	9687.7	9739.4	9817.4	9929.9	10067.0	10208.2	10293.6	10304.3	10241.0	10139.2
8°	9500.5	9564.5	9622.0	9700.8	9808.3	9945.5	10092.4	10189.3	10202.5	10130.2	10018.5
9°	9353.5	9429.8	9503.7	9582.6	9682.7	9808.3	9955.3	10054.7	10067.8	9996.4	9885.5
10°	9180.2	9274.7	9361.7	9454.5	9543.1	9652.3	9788.6	9892.9	9910.2	9841.2	9755.0
11°	8984.0	9090.7	9196.7	9305.9	9396.2	9475.0	9592.4	9694.2	9718.9	9663.8	9610.5
12°	8753.3	8868.2	8992.2	9133.4	9227.9	9284.5	9371.5	9465.1	9496.3	9466.8	9454.5
13°	8485.6	8606.3	8753.3	8930.6	9039.0	9060.4	9129.3	9213.1	9245.9	9245.1	9279.6
14°	8186.9	8323.9	8480.7	8693.4	8814.0	8823.9	8857.6	8933.1	8970.0	9002.9	9081.7
15°	7868.6	8025.9	8194.2	8423.2	8564.4	8559.5	8566.9	8621.9	8676.1	8738.5	8856.7
16°	7535.0	7723.5	7889.9	8117.6	8263.1	8255.7	8249.2	8281.2	8350.2	8453.6	8600.6
17°	7193.2	7421.0	7589.0	7786.1	7926.4	7929.7	7899.4	7908.8	7997.6	8133.1	8296.8
18°	6828.2	7104.5	7274.6	7435.7	7555.8	7569.4	7520.2	7511.0	7611.1	7794.6	7956.9
19°	6436.8	6752.9	6939.7	7066.0	7151.2	7173.7	7110.2	7087.0	7202.7	7415.2	7573.1
20°	6011.5	6358.0	6559.6	6666.5	6713.2	6746.9	6674.7	6643.7	6764.4	6998.3	7165.1
21°	5556.1	5913.1	6132.0	6223.8	6247.3	6299.1	6219.3	6190.4	6313.9	6559.1	6722.5
22°	5080.3	5438.1	5666.0	5745.8	5770.0	5826.2	5756.8	5731.6	5859.9	6097.2	6261.5
23°	4608.8	4949.8	5178.6	5240.6	5266.8	5341.6	5288.8	5274.1	5397.7	5625.2	5774.5
24°	4147.0	4463.6	4673.2	4746.1	4777.2	4851.8	4821.4	4814.5	4942.6	5145.0	5281.8
25°	3721.6	3989.4	4191.8	4260.1	4288.8	4386.0	4358.5	4363.3	4493.8	4675.7	4790.5
26°	3326.5	3549.1	3726.7	3801.7	3832.6	3910.8	3902.8	3921.3	4047.7	4208.0	4315.2
27°	2989.5	3174.2	3325.4	3396.5	3417.3	3480.9	3480.0	3507.8	3626.1	3768.2	3860.9
28°	2704.7	2853.3	2968.6	3029.9	3044.0	3084.0	3095.2	3129.8	3228.9	3353.0	3440.2
29°	2480.7	2608.2	2691.9	2729.5	2725.6	2743.2	2764.4	2810.5	2888.4	2984.1	3063.6
30°	2304.6	2414.6	2469.2	2478.3	2457.9	2463.0	2497.1	2550.0	2605.9	2666.7	2732.4
31°	2165.0	2268.6	2303.9	2282.2	2243.1	2242.6	2287.1	2344.7	2383.3	2408.5	2465.0
32°	2055.0	2151.4	2167.4	2121.9	2073.2	2067.3	2121.0	2182.0	2207.6	2208.5	2245.9
33°	1964.9	2056.7	2064.0	1995.7	1932.9	1930.8	1987.7	2053.0	2065.9	2045.3	2071.3
34°	1887.1	1981.5	1973.4	1892.0	1821.8	1819.1	1880.6	1947.6	1953.5	1915.4	1931.9
35°	1820.1	1917.2	1896.6	1803.5	1725.0	1725.7	1789.3	1857.9	1859.4	1808.7	1815.8
36°	1758.6	1859.0	1828.7	1724.6	1641.8	1644.2	1710.3	1782.1	1777.6	1716.7	1720.1
37°	1698.6	1802.2	1763.8	1653.1	1573.4	1576.8	1640.9	1712.2	1702.3	1635.8	1636.7
38°	1635.9	1742.5	1700.0	1588.2	1504.9	1509.6	1579.2	1649.1	1633.0	1562.1	1562.7
39°	1570.8	1680.8	1634.7	1523.3	1436.4	1442.3	1517.6	1586.7	1567.7	1492.8	1493.2
40°	1505.8	1615.2	1563.3	1458.4	1366.8	1374.0	1455.9	1521.7	1499.0	1424.5	1425.1
41°	1440.7	1546.8	1491.9	1387.4	1297.3	1305.6	1388.7	1453.4	1428.9	1356.6	1358.2
42°	1364.1	1478.2	1420.2	1311.2	1227.2	1236.4	1318.4	1381.8	1353.8	1286.4	1289.5
43°	1289.1	1402.3	1338.5	1234.7	1155.2	1167.0	1246.4	1304.2	1274.1	1216.6	1218.9
44°	1215.1	1325.1	1257.5	1154.6	1081.3	1095.6	1174.3	1225.8	1190.3	1143.7	1148.7

REPORT NUMBER: P1440284

CATALOG NUMBER: XSF60-KNYK-5Hx5V-840-Position 2

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	1144.9	1250.4	1176.7	1076.5	1007.0	1018.9	1100.7	1149.0	1105.1	1070.2	1078.4
46°	1076.1	1178.2	1103.5	1003.9	937.5	944.8	1029.2	1074.8	1021.1	994.3	1009.7
47°	1000.3	1096.8	1028.6	939.1	872.9	873.5	958.4	1006.9	946.3	921.8	943.6
48°	913.6	1012.5	939.5	859.2	801.5	797.2	881.8	933.3	868.7	853.5	879.7
49°	835.3	935.8	852.7	768.1	711.3	705.6	798.4	857.3	790.0	782.1	804.2
50°	769.1	883.9	788.2	686.5	615.3	624.6	709.8	778.3	730.1	710.2	732.2
51°	707.9	817.8	740.7	619.4	526.9	554.3	631.4	721.2	670.4	638.4	647.4
52°	659.0	749.9	685.5	545.7	448.0	480.7	571.7	664.2	610.6	566.5	562.4
53°	630.0	711.1	654.7	509.5	402.6	433.5	533.0	607.3	560.6	514.4	512.6
54°	593.6	675.3	622.2	468.2	355.5	398.8	504.9	556.6	510.7	472.4	474.5
55°	556.2	628.5	572.0	423.9	309.2	367.4	482.2	510.4	463.8	437.0	438.8
56°	503.4	575.5	517.9	382.1	271.2	341.5	458.0	472.5	423.7	409.5	406.7
57°	453.5	520.0	468.3	342.5	245.4	320.6	426.2	431.5	383.0	384.1	375.7
58°	416.7	472.3	424.2	307.0	227.7	301.4	395.0	393.4	341.6	349.0	347.4
59°	377.3	433.9	383.1	279.5	212.3	274.9	374.0	363.7	318.8	320.2	320.5
60°	335.9	392.2	342.8	258.9	198.6	248.1	342.3	333.2	287.7	301.7	295.8
61°	302.1	348.9	305.7	234.2	185.8	227.8	307.5	301.2	253.2	276.9	272.3
62°	273.0	311.0	272.1	210.6	174.5	212.0	281.5	277.7	228.2	251.6	249.9
63°	245.6	276.1	244.8	191.7	163.1	196.3	261.2	257.0	206.7	227.6	229.7
64°	224.6	246.4	220.9	176.4	153.4	181.6	237.8	236.1	188.2	207.5	210.6
65°	204.2	219.6	200.5	161.0	144.2	166.9	216.1	216.5	173.5	190.5	193.0
66°	185.3	197.4	182.6	148.7	135.1	152.3	196.3	198.0	159.9	174.3	177.1
67°	166.4	175.2	164.7	136.6	126.0	139.7	177.3	180.1	147.9	159.0	162.1
68°	147.6	153.2	146.8	124.4	117.1	128.6	158.3	162.7	136.2	144.3	147.0
69°	131.3	134.2	130.8	112.9	108.5	117.3	142.6	146.3	124.8	130.0	131.9
70°	115.0	117.8	116.1	103.6	100.1	106.5	127.7	130.8	113.8	116.4	117.7
71°	100.8	103.6	102.6	97.3	91.6	96.3	114.7	117.1	103.0	103.3	104.8
72°	88.1	90.9	90.5	92.9	83.2	87.1	102.6	107.9	93.1	92.0	93.3
73°	76.6	78.9	79.2	82.1	74.7	78.4	91.2	99.0	83.6	81.6	82.6
74°	65.8	68.0	68.4	69.8	66.4	69.8	80.5	85.3	74.6	72.6	73.4
75°	56.1	58.3	58.4	59.8	58.4	61.7	70.2	72.7	66.1	63.6	63.8
76°	47.7	49.6	49.8	50.9	50.9	53.9	60.3	62.6	57.6	54.6	54.2
77°	40.2	42.0	42.0	43.3	43.7	46.5	51.7	52.6	49.1	46.7	46.0
78°	33.4	35.2	35.0	36.7	36.6	39.4	43.9	44.7	41.7	39.6	38.5
79°	27.4	29.0	28.7	30.9	30.3	33.2	36.8	37.8	35.1	33.4	31.9
80°	22.1	23.5	23.1	25.4	24.7	27.5	30.3	30.9	28.6	27.3	26.0
81°	18.2	19.5	19.0	20.7	20.3	22.6	24.5	25.0	22.8	21.8	20.8
82°	14.4	15.5	15.0	16.1	15.8	17.6	20.1	20.1	18.1	17.1	15.8
83°	10.6	11.5	11.0	11.4	11.5	12.8	15.6	15.7	13.6	12.7	11.2
84°	8.5	9.3	8.9	8.2	9.1	10.0	11.2	11.4	10.4	9.4	7.7
85°	6.1	6.6	6.4	5.2	6.6	7.4	8.2	7.6	7.7	6.7	5.2
86°	3.1	3.4	3.6	2.8	3.8	4.6	5.1	4.8	5.0	4.1	2.7
87°	1.1	1.1	1.3	1.2	1.6	1.9	2.3	2.1	2.2	1.5	0.8
88°	0.5	0.5	0.5	0.5	0.6	0.7	0.8	0.6	0.6	0.4	0.2
89°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1

REPORT NUMBER: P1440284

CATALOG NUMBER: XSF60-KNYK-5Hx5V-840-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: P1440284

CATALOG NUMBER: XSF60-KNYK-5Hx5V-840-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: P1440284
CATALOG NUMBER: XSF60-KNYK-5Hx5V-840-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: P1440284

CATALOG NUMBER: XSF60-KNYK-5Hx5V-840-Position 2

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	10448.0	10448.0	10448.0
1°	10475.0	10470.9	10458.6
2°	10467.7	10443.0	10420.0
3°	10425.0	10383.9	10347.8
4°	10348.6	10290.3	10246.8
5°	10251.7	10176.2	10125.3
6°	10142.5	10054.7	9994.7
7°	10022.6	9931.5	9865.8
8°	9900.3	9811.6	9750.9
9°	9785.4	9698.3	9632.6
10°	9666.3	9581.7	9507.0
11°	9540.7	9452.0	9360.9
12°	9407.7	9301.8	9186.0
13°	9245.1	9112.1	8978.3
14°	9053.0	8894.5	8742.6
15°	8823.1	8649.0	8482.3
16°	8563.6	8384.6	8210.6
17°	8278.7	8102.4	7923.3
18°	7959.9	7805.5	7624.2
19°	7615.5	7499.7	7314.1
20°	7244.0	7179.7	6986.6
21°	6839.4	6822.4	6622.0
22°	6410.0	6421.7	6215.2
23°	5934.8	5981.9	5772.4
24°	5442.9	5501.1	5302.6
25°	4949.8	5012.5	4831.2
26°	4458.2	4512.9	4354.6
27°	3989.1	4031.6	3894.4
28°	3548.0	3574.1	3464.7
29°	3151.4	3169.9	3097.4
30°	2811.4	2828.6	2794.1
31°	2536.3	2567.8	2555.8
32°	2318.9	2364.4	2369.8
33°	2147.1	2208.1	2227.1
34°	2011.2	2087.9	2114.1
35°	1899.8	1990.2	2022.8
36°	1810.6	1912.1	1947.0
37°	1733.6	1844.7	1881.5
38°	1662.1	1782.3	1820.8
39°	1592.7	1718.1	1759.0
40°	1524.0	1649.6	1692.6
41°	1454.3	1579.5	1623.5
42°	1379.8	1506.6	1548.9
43°	1308.1	1432.5	1470.4
44°	1236.3	1353.4	1388.2

REPORT NUMBER: P1440284

CATALOG NUMBER: XSF60-KNYK-5Hx5V-840-Position 2

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	1162.8	1271.6	1298.8
46°	1089.1	1188.1	1208.2
47°	1014.4	1106.7	1120.2
48°	942.7	1025.7	1038.0
49°	867.0	939.9	950.8
50°	778.7	852.2	870.6
51°	704.9	757.2	807.6
52°	631.3	690.2	729.4
53°	557.7	624.0	658.8
54°	508.1	557.7	588.4
55°	467.4	516.8	539.6
56°	437.8	476.4	483.9
57°	402.0	429.3	430.3
58°	367.3	388.0	378.6
59°	336.2	353.5	342.5
60°	307.5	315.9	306.4
61°	282.4	282.7	274.0
62°	257.0	257.4	244.8
63°	232.4	233.6	220.5
64°	211.2	212.1	197.5
65°	192.5	191.8	178.0
66°	174.0	173.9	161.6
67°	155.9	158.7	146.6
68°	139.8	144.0	132.6
69°	124.7	130.0	119.6
70°	111.9	116.4	107.0
71°	100.3	104.0	96.0
72°	92.0	92.7	85.2
73°	88.0	81.6	75.2
74°	78.2	71.9	66.5
75°	65.3	62.3	57.8
76°	54.5	52.6	49.1
77°	46.9	44.2	41.7
78°	39.4	36.4	34.4
79°	31.9	29.1	27.1
80°	25.6	22.7	21.1
81°	19.6	17.1	16.1
82°	14.6	12.5	12.0
83°	10.4	9.1	8.5
84°	7.5	6.5	6.0
85°	4.5	3.8	3.5
86°	1.6	1.2	0.9
87°	0.4	0.3	0.3
88°	0.2	0.1	0.1
89°	0.1	0.1	0.1

REPORT NUMBER: P1440284

CATALOG NUMBER: XSF60-KNYK-5Hx5V-840-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: P1440284

CATALOG NUMBER: XSF60-KNYK-5Hx5V-840-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: P1440284

CATALOG NUMBER: XSF60-KNYK-5Hx5V-840-Position 2

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)