

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: P1440279

Luminaire Tested: XSF60-KNYK-5Hx5V-830-Position 1

Issue Date: 04/15/2026

Test Information

Test Method: LM-79-2024
Report Number: P1440279
Test Lab: THIRD PARTY NVLAP
Issue Date: 7/15/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XSF60-KNYK-5Hx5V-830-Position 1
Description: LUMARK ALL SELECTABLE LUMINAIRE 60W w/ NEMA 5 FLOOD DISTRIBUTION 3000K CCT 80 CRI LIGHT ENGINE AT Position 1
Light Source: (1) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9409.9 lumens
Efficiency: N/A
Efficacy: 149.4 lumens/watt
Luminous Opening: Rectangular (W 0.3' x L: 0.3' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

Input Watts (W): 63
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

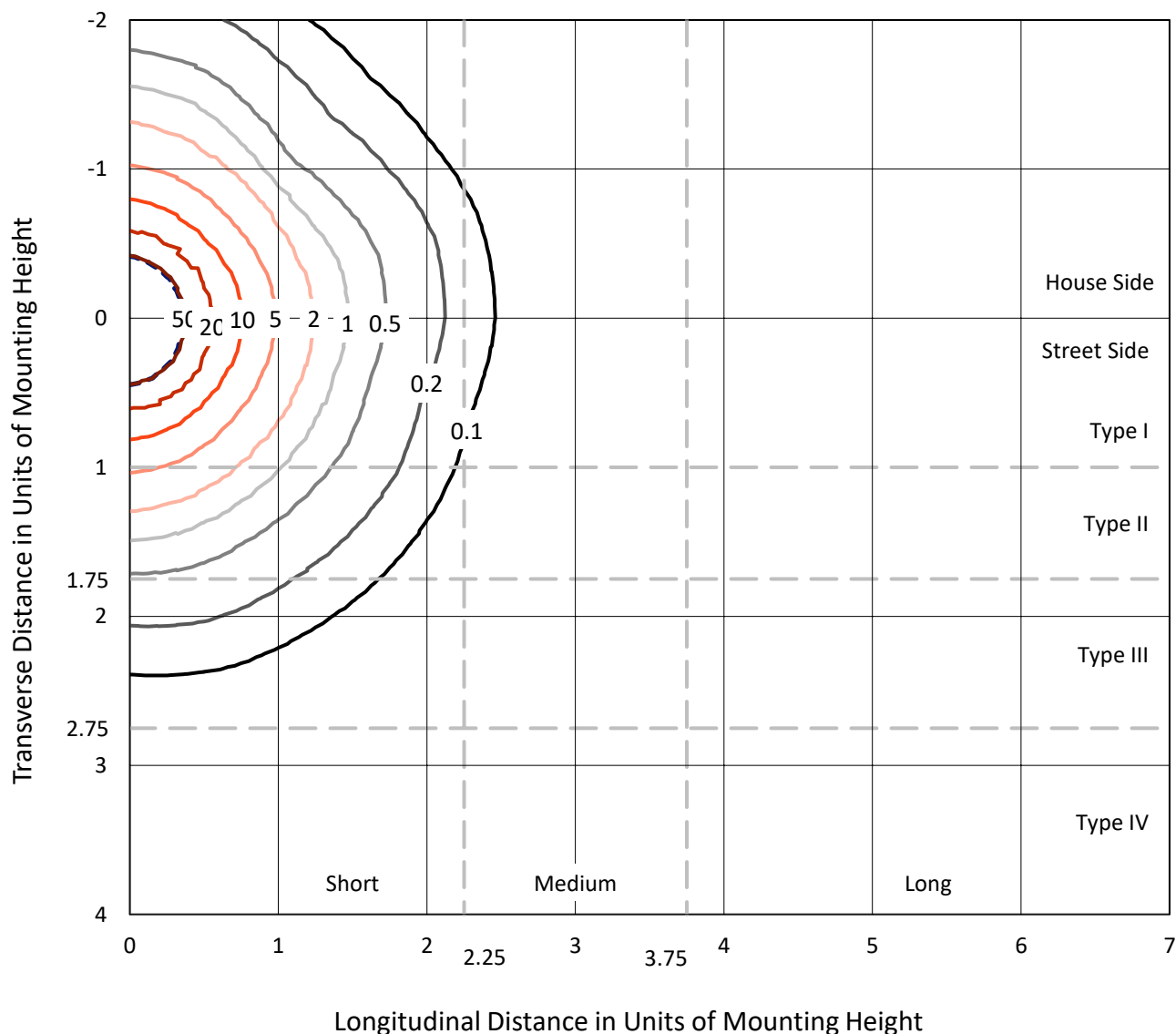
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



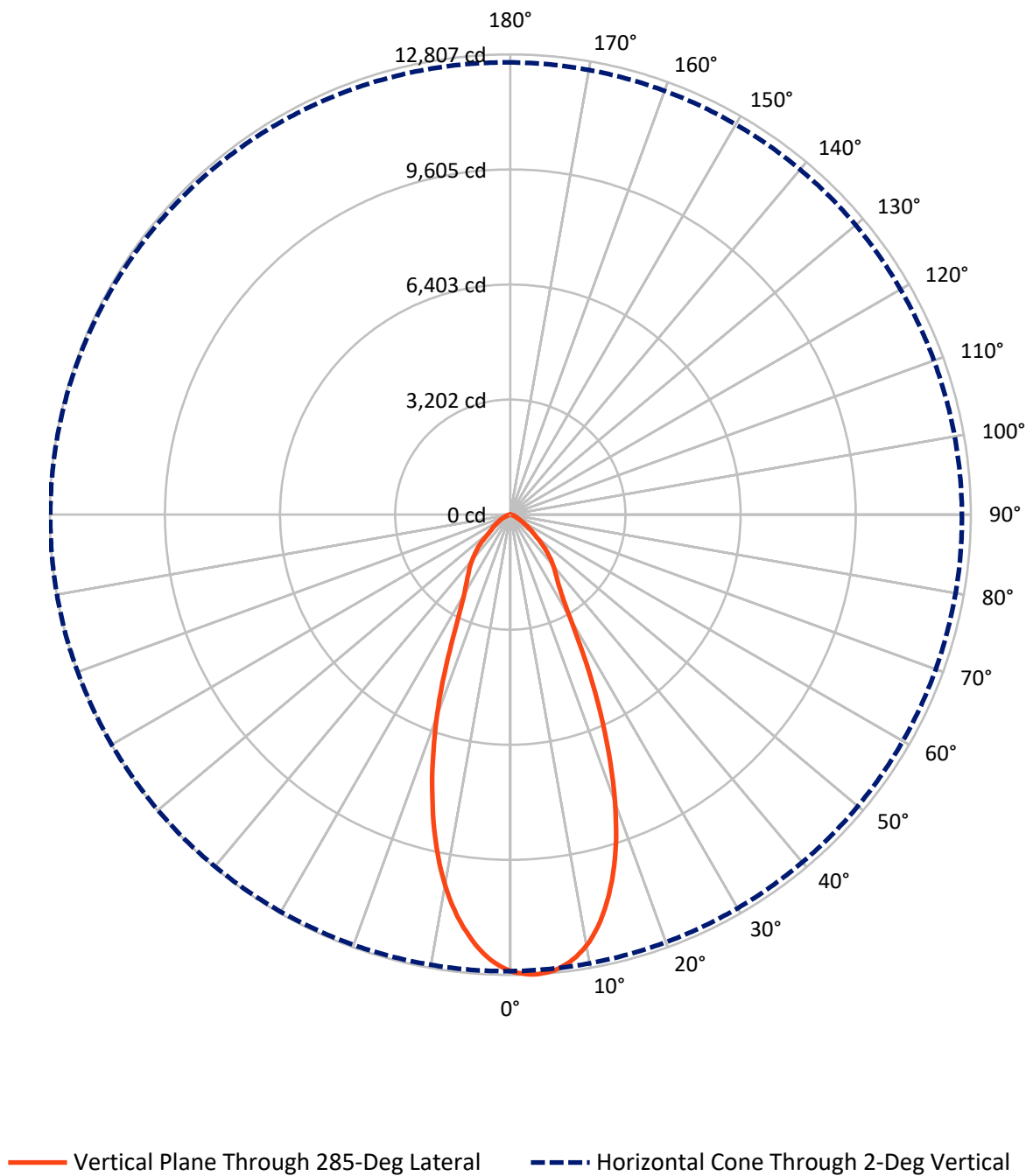
Based on 10 foot mounting height. Maximum calculated value = 127.4 fc

Type V - Short - N/A

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CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-Position 1

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4571.9	0.0	4571.9
	% Fixture	48.6	0.0	48.6
Street Side	Lumens	4838.0	0.0	4838.0
	% Fixture	51.4	0.0	51.4
Total	Lumens	9409.9	0.0	9409.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1145.2	12.2
10°-20°	2706.8	28.8
20°-30°	2297.7	24.4
30°-40°	1405.1	14.9
40°-50°	1024.6	10.9
50°-60°	508.8	5.4
60°-70°	229.0	2.4
70°-80°	82.3	0.9
80°-90°	10.4	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	9409.9	100.0
0°-180°	9409.9	100.0

Coefficient of Utilization



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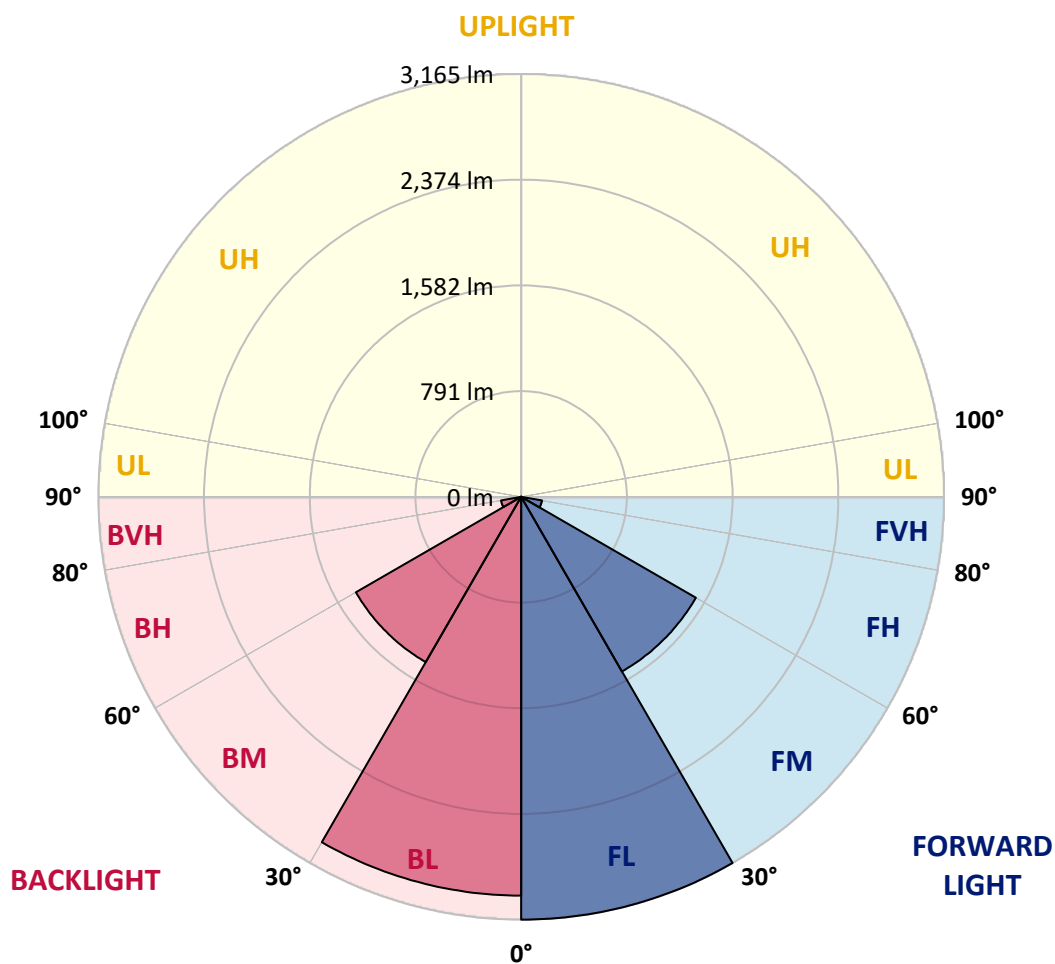
CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-Position 1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3164.9	33.6			
FM	(30°-60°)	1510.0	16.0			
FH	(60°-80°)	158.2	1.7			G0/660
FVH	(80°-90°)	4.9	0.1			G0/10
BL	(0°-30°)	2984.8	31.7	B4/5000		
BM	(30°-60°)	1428.5	15.2	B2/2500		
BH	(60°-80°)	153.2	1.6	B1/500		G0/660
BVH	(80°-90°)	5.5	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	12736.5	12736.5	12736.5	12736.5	12736.5	12736.5	12736.5	12736.5	12736.5	12736.5	12736.5
1°	12749.5	12730.5	12713.5	12699.5	12685.5	12674.4	12662.4	12649.4	12648.4	12651.4	12659.4
2°	12702.5	12667.4	12643.4	12624.4	12605.4	12581.4	12561.3	12541.3	12534.3	12537.3	12538.3
3°	12614.4	12572.4	12536.3	12508.3	12480.3	12452.2	12422.2	12402.2	12389.2	12388.2	12394.2
4°	12491.3	12433.2	12390.2	12362.2	12326.1	12297.1	12256.1	12231.0	12220.0	12221.0	12229.0
5°	12343.2	12287.1	12234.1	12188.0	12145.0	12110.9	12062.9	12031.9	12020.9	12030.9	12050.9
6°	12184.0	12120.9	12060.9	11998.8	11936.8	11888.7	11833.7	11797.7	11794.7	11821.7	11866.7
7°	12026.9	11954.8	11877.7	11790.7	11703.6	11641.5	11587.5	11550.4	11551.4	11595.5	11670.5
8°	11886.7	11796.7	11691.6	11571.5	11454.3	11372.3	11302.2	11273.2	11291.2	11360.3	11473.4
9°	11742.6	11637.5	11498.4	11336.2	11182.1	11075.0	10991.9	10968.9	10999.9	11101.0	11258.2
10°	11589.5	11464.4	11290.2	11090.0	10897.8	10760.7	10651.6	10636.6	10689.7	10824.8	11013.9
11°	11411.3	11273.2	11063.0	10826.8	10591.6	10413.4	10292.3	10277.3	10358.4	10521.5	10749.7
12°	11198.1	11040.0	10817.8	10537.5	10272.3	10054.1	9901.1	9895.7	9997.6	10195.2	10444.4
13°	10944.9	10775.7	10529.5	10222.2	9922.3	9660.7	9482.2	9483.0	9613.2	9836.5	10103.1
14°	10657.6	10463.5	10196.2	9880.9	9540.9	9245.2	9044.1	9048.2	9204.8	9446.7	9725.9
15°	10340.3	10132.2	9817.7	9503.6	9144.2	8809.4	8581.4	8596.1	8764.2	9027.0	9310.5
16°	10009.0	9755.5	9422.7	9098.4	8712.0	8354.1	8110.3	8120.1	8301.3	8586.0	8866.3
17°	9658.8	9364.5	9003.9	8662.7	8253.5	7877.4	7633.4	7646.0	7825.9	8110.7	8401.3
18°	9294.2	8966.4	8571.1	8203.9	7781.7	7401.9	7160.4	7158.4	7336.9	7621.5	7919.0
19°	8916.3	8552.0	8117.3	7717.8	7295.3	6917.3	6687.5	6683.0	6843.5	7102.1	7414.9
20°	8517.0	8110.2	7644.0	7224.6	6809.4	6445.3	6217.9	6209.6	6348.4	6572.6	6883.1
21°	8072.5	7627.7	7141.9	6724.8	6314.8	5970.8	5745.1	5732.2	5849.4	6038.8	6326.9
22°	7576.6	7129.4	6629.9	6218.0	5827.7	5493.1	5281.8	5261.3	5366.6	5512.1	5770.1
23°	7036.8	6587.7	6104.7	5703.2	5334.4	5021.5	4823.8	4793.7	4878.7	4997.9	5221.0
24°	6464.0	6034.0	5581.5	5198.1	4856.2	4569.5	4386.4	4352.7	4411.1	4500.4	4705.6
25°	5889.4	5496.8	5076.3	4717.3	4399.5	4150.2	3994.8	3943.7	3975.8	4044.0	4228.1
26°	5308.5	4961.7	4583.9	4255.3	3975.8	3773.2	3646.5	3589.7	3585.8	3638.9	3794.5
27°	4747.5	4458.9	4128.1	3832.4	3603.2	3452.4	3352.2	3291.2	3260.0	3286.9	3428.1
28°	4223.6	3992.4	3718.3	3463.0	3276.5	3175.0	3102.7	3036.4	2987.8	2998.4	3114.9
29°	3775.9	3594.4	3366.9	3149.5	3007.4	2941.1	2893.4	2827.1	2763.3	2758.9	2862.4
30°	3406.2	3257.7	3073.1	2885.6	2776.7	2746.1	2719.4	2650.9	2582.1	2564.9	2654.6
31°	3115.6	2995.5	2828.4	2664.9	2585.0	2584.3	2572.3	2507.3	2430.6	2405.3	2490.2
32°	2888.9	2783.8	2626.3	2486.4	2427.7	2447.7	2450.0	2381.1	2304.9	2273.1	2353.2
33°	2715.0	2618.1	2463.2	2334.5	2294.4	2331.0	2342.0	2273.1	2197.0	2157.9	2237.0
34°	2577.2	2486.6	2329.0	2205.5	2176.2	2228.4	2249.0	2177.7	2099.9	2060.2	2139.7
35°	2465.9	2376.4	2216.1	2092.2	2071.9	2133.3	2160.3	2088.2	2009.9	1969.2	2052.4
36°	2373.4	2282.6	2118.6	1989.5	1978.7	2047.1	2075.9	2005.1	1926.8	1886.6	1970.7
37°	2293.7	2197.9	2031.4	1899.8	1893.5	1964.5	1995.1	1928.4	1843.8	1803.9	1894.3
38°	2219.6	2116.5	1951.5	1818.1	1813.9	1883.7	1918.3	1851.7	1760.7	1721.3	1817.9
39°	2144.2	2035.6	1873.8	1738.6	1734.2	1802.0	1841.6	1774.8	1676.8	1636.0	1741.5
40°	2063.4	1954.7	1792.3	1656.9	1654.7	1715.7	1764.7	1692.2	1595.5	1552.7	1659.1
41°	1979.1	1871.2	1706.2	1574.5	1572.9	1628.6	1676.7	1611.3	1509.6	1470.8	1574.5
42°	1888.2	1782.7	1617.6	1491.5	1489.1	1535.5	1584.4	1523.7	1423.1	1388.0	1489.1
43°	1792.5	1689.0	1530.5	1406.0	1404.6	1439.5	1493.2	1440.1	1335.0	1302.7	1403.7
44°	1692.3	1591.5	1441.0	1323.1	1319.8	1346.6	1402.9	1356.5	1246.6	1219.1	1323.8

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CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-Position 1

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	1583.3	1493.0	1352.5	1240.7	1239.4	1259.6	1316.8	1275.7	1163.4	1139.7	1245.7
46°	1472.8	1396.5	1264.1	1160.7	1160.4	1174.2	1223.6	1186.9	1078.9	1071.3	1172.6
47°	1365.5	1300.7	1177.9	1082.0	1072.3	1080.6	1124.3	1081.6	974.2	994.1	1091.8
48°	1265.3	1208.7	1086.9	993.0	980.4	993.0	1030.7	975.8	869.1	899.6	992.7
49°	1159.0	1106.5	979.8	897.5	897.6	906.6	943.1	873.1	776.0	805.3	882.7
50°	1061.3	1000.0	889.7	803.7	814.8	833.2	866.2	783.8	678.4	687.3	784.7
51°	984.5	884.7	800.2	709.9	732.0	760.1	804.2	720.8	603.6	593.9	690.1
52°	889.2	804.9	710.7	645.3	668.7	701.9	749.0	673.5	550.6	518.1	623.1
53°	803.1	725.2	640.2	596.5	608.5	639.5	698.6	634.8	504.5	458.3	581.2
54°	717.3	670.9	590.9	563.7	553.1	576.9	641.4	604.0	465.6	400.4	535.8
55°	657.8	601.2	539.5	527.2	509.9	523.7	590.8	566.5	430.0	350.6	485.2
56°	589.9	542.1	496.1	484.0	480.4	483.3	547.7	530.7	396.3	310.8	433.3
57°	524.6	494.9	453.4	446.4	453.6	445.8	503.9	492.8	369.7	284.0	389.8
58°	461.5	449.4	415.3	410.9	416.8	403.2	460.9	465.2	343.4	264.4	351.3
59°	417.5	414.8	382.4	375.6	387.9	367.3	422.6	424.7	311.1	246.7	319.6
60°	373.5	390.4	352.6	343.4	356.8	322.7	390.4	384.2	285.9	230.8	292.6
61°	334.0	356.5	320.0	315.3	323.6	286.7	356.0	357.1	270.2	217.6	267.3
62°	298.4	319.1	290.2	288.8	294.4	265.5	325.3	331.6	250.2	204.4	245.9
63°	268.8	286.2	265.2	264.9	269.6	247.3	301.6	305.9	231.1	191.2	227.7
64°	240.7	262.0	243.5	243.9	247.9	226.4	276.9	276.5	213.0	179.7	210.6
65°	216.9	237.1	225.0	224.9	226.7	207.5	252.4	250.1	194.8	168.9	193.6
66°	196.9	214.8	206.6	206.7	206.8	190.5	229.2	226.3	178.9	157.9	177.8
67°	178.7	194.7	189.1	189.3	187.7	175.6	206.0	202.6	163.3	147.1	161.9
68°	161.6	175.2	171.3	171.6	169.0	161.1	182.9	178.9	148.1	136.6	146.5
69°	145.8	157.0	153.1	153.8	151.5	146.3	162.9	159.6	134.4	126.1	133.5
70°	130.5	139.7	136.7	137.1	135.0	132.4	146.9	143.4	122.0	115.8	128.5
71°	117.0	124.2	124.5	121.8	120.3	119.7	141.2	128.6	110.6	105.6	122.2
72°	103.9	110.3	122.0	108.1	106.8	107.6	126.1	114.7	99.9	95.6	109.8
73°	91.7	97.3	109.3	95.6	94.4	95.9	108.8	101.5	89.2	85.2	94.0
74°	81.1	85.4	92.6	84.5	83.5	85.2	93.2	89.2	79.2	75.4	81.3
75°	70.4	73.6	79.4	73.4	72.7	74.5	80.3	77.5	69.5	66.3	70.3
76°	59.8	61.7	66.2	62.4	62.0	63.8	69.4	66.9	60.3	57.5	60.1
77°	50.8	51.6	53.1	52.4	52.7	54.4	59.8	57.1	51.8	49.1	51.0
78°	41.9	41.8	44.3	43.5	44.5	45.9	51.5	48.1	43.9	40.7	42.9
79°	33.1	33.4	36.6	35.8	36.9	37.9	43.3	39.8	36.6	33.4	35.9
80°	25.8	25.9	29.1	28.8	29.5	30.7	35.3	32.4	29.8	27.1	29.4
81°	19.6	19.7	22.0	23.0	24.0	24.9	28.7	26.7	24.3	22.1	23.7
82°	14.6	14.9	16.9	17.2	18.3	19.5	23.2	21.1	18.9	17.0	18.1
83°	10.4	10.5	11.5	12.0	13.3	14.5	17.7	15.5	13.4	12.0	12.5
84°	7.3	7.3	8.1	8.7	9.7	10.7	12.2	11.4	10.0	8.8	8.7
85°	4.2	4.2	4.7	5.4	6.3	7.2	7.7	7.8	6.7	5.7	5.3
86°	1.1	1.1	1.3	2.1	2.9	4.3	4.1	4.2	3.5	3.1	2.7
87°	0.3	0.3	0.4	0.5	0.9	1.4	1.6	1.6	1.4	1.2	1.2
88°	0.2	0.1	0.2	0.2	0.2	0.3	0.4	0.4	0.5	0.5	0.5
89°	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2



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CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-Position 1

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: P1440279

CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-Position 1

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: P1440279
CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-Position 1

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: P1440279

CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-Position 1

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	12736.5	12736.5	12736.5	12736.5	12736.5	12736.5	12736.5	12736.5	12736.5	12736.5	12736.5
1°	12669.4	12690.5	12699.5	12721.5	12736.5	12754.5	12768.5	12775.5	12773.5	12781.5	12784.5
2°	12555.3	12584.4	12613.4	12652.4	12698.5	12739.5	12775.5	12796.6	12806.6	12799.6	12789.6
3°	12414.2	12443.2	12489.3	12547.3	12619.4	12689.5	12759.5	12788.6	12804.6	12791.6	12760.5
4°	12253.1	12289.1	12343.2	12416.2	12518.3	12618.4	12718.5	12763.5	12785.5	12751.5	12692.5
5°	12087.9	12129.0	12185.0	12268.1	12392.2	12524.3	12650.4	12719.5	12741.5	12687.5	12602.4
6°	11922.8	11964.8	12021.9	12119.9	12253.1	12408.2	12560.3	12650.4	12664.4	12601.4	12488.3
7°	11748.6	11809.7	11872.7	11967.8	12104.9	12272.1	12444.2	12548.3	12561.3	12484.3	12360.2
8°	11581.5	11659.5	11729.6	11825.7	11956.8	12124.0	12303.1	12421.2	12437.2	12349.2	12213.0
9°	11402.3	11495.4	11585.5	11681.6	11803.7	11956.8	12136.0	12257.1	12273.1	12186.0	12050.9
10°	11191.1	11306.2	11412.3	11525.4	11633.5	11766.6	11932.8	12059.9	12080.9	11996.8	11891.7
11°	10951.9	11082.0	11211.1	11344.2	11454.3	11550.4	11693.6	11817.7	11847.7	11780.6	11715.6
12°	10670.6	10810.8	10961.9	11134.1	11249.2	11318.2	11424.3	11538.4	11576.5	11540.4	11525.4
13°	10344.3	10491.5	10670.6	10886.8	11019.0	11045.0	11129.1	11231.1	11271.2	11270.2	11312.2
14°	9980.2	10147.2	10338.3	10597.6	10744.7	10756.7	10797.8	10889.8	10934.9	10974.9	11071.0
15°	9592.2	9783.9	9989.0	10268.3	10440.4	10434.4	10443.4	10510.5	10576.6	10652.6	10796.8
16°	9185.5	9415.3	9618.1	9895.7	10073.1	10064.1	10056.1	10095.1	10179.2	10305.3	10484.5
17°	8768.8	9046.6	9251.4	9491.6	9662.6	9666.6	9629.7	9641.2	9749.4	9914.7	10114.1
18°	8323.9	8660.7	8868.1	9064.5	9210.8	9227.4	9167.5	9156.3	9278.3	9502.0	9699.8
19°	7846.8	8232.1	8459.7	8613.8	8717.7	8745.0	8667.6	8639.4	8780.4	9039.5	9231.9
20°	7328.3	7750.7	7996.4	8126.7	8183.7	8224.7	8136.8	8099.0	8246.0	8531.2	8734.6
21°	6773.1	7208.3	7475.2	7587.1	7615.8	7678.8	7581.6	7546.4	7697.0	7995.8	8195.0
22°	6193.1	6629.3	6907.1	7004.3	7033.9	7102.4	7017.7	6987.1	7143.5	7432.7	7633.1
23°	5618.3	6034.1	6312.9	6388.5	6420.4	6511.7	6447.3	6429.3	6580.0	6857.4	7039.4
24°	5055.4	5441.3	5696.8	5785.7	5823.6	5914.5	5877.5	5869.1	6025.2	6272.0	6438.7
25°	4536.8	4863.2	5110.0	5193.3	5228.2	5346.7	5313.2	5319.1	5478.1	5699.8	5839.8
26°	4055.2	4326.5	4543.0	4634.4	4672.1	4767.4	4757.7	4780.2	4934.4	5129.7	5260.5
27°	3644.3	3869.5	4053.8	4140.4	4165.9	4243.3	4242.2	4276.2	4420.4	4593.6	4706.6
28°	3297.2	3478.3	3618.9	3693.5	3710.8	3759.5	3773.2	3815.3	3936.2	4087.5	4193.8
29°	3024.1	3179.5	3281.6	3327.4	3322.6	3344.1	3369.9	3426.1	3521.1	3637.7	3734.7
30°	2809.4	2943.6	3010.0	3021.1	2996.3	3002.5	3044.0	3108.5	3176.7	3250.8	3330.9
31°	2639.3	2765.5	2808.5	2782.1	2734.5	2733.8	2788.1	2858.3	2905.3	2936.1	3004.9
32°	2505.2	2622.7	2642.2	2586.7	2527.3	2520.1	2585.5	2660.0	2691.1	2692.2	2737.9
33°	2395.3	2507.2	2516.1	2432.8	2356.2	2353.7	2423.1	2502.7	2518.5	2493.3	2525.0
34°	2300.5	2415.6	2405.7	2306.5	2220.8	2217.5	2292.6	2374.2	2381.5	2334.9	2355.0
35°	2218.8	2337.1	2312.1	2198.5	2102.8	2103.7	2181.3	2264.8	2266.6	2204.9	2213.6
36°	2143.8	2266.2	2229.2	2102.4	2001.4	2004.3	2085.0	2172.5	2167.0	2092.8	2096.9
37°	2070.7	2197.0	2150.1	2015.2	1918.0	1922.2	2000.3	2087.2	2075.2	1994.1	1995.2
38°	1994.2	2124.2	2072.4	1936.0	1834.6	1840.3	1925.1	2010.3	1990.7	1904.3	1905.0
39°	1914.9	2049.0	1992.8	1857.0	1751.1	1758.2	1850.0	1934.2	1911.1	1819.7	1820.2
40°	1835.7	1969.0	1905.7	1777.8	1666.2	1674.9	1774.8	1855.1	1827.4	1736.5	1737.3
41°	1756.3	1885.6	1818.7	1691.3	1581.4	1591.6	1692.9	1771.7	1741.9	1653.8	1655.7
42°	1662.9	1802.0	1731.3	1598.4	1496.0	1507.3	1607.2	1684.4	1650.4	1568.2	1571.9
43°	1571.5	1709.4	1631.7	1505.2	1408.3	1422.6	1519.5	1589.9	1553.2	1483.1	1485.9
44°	1481.2	1615.4	1533.0	1407.5	1318.2	1335.6	1431.5	1494.2	1451.0	1394.3	1400.4

REPORT NUMBER: P1440279

CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-Position 1

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	1395.7	1524.3	1434.5	1312.3	1227.6	1242.1	1341.8	1400.7	1347.2	1304.6	1314.6
46°	1311.8	1436.3	1345.2	1223.8	1142.8	1151.7	1254.6	1310.2	1244.7	1212.1	1230.8
47°	1219.4	1337.0	1253.9	1144.8	1064.2	1064.9	1168.4	1227.4	1153.5	1123.7	1150.3
48°	1113.7	1234.3	1145.3	1047.3	977.1	971.8	1075.0	1137.7	1059.0	1040.4	1072.4
49°	1018.2	1140.8	1039.5	936.4	867.1	860.2	973.2	1045.0	963.1	953.4	980.4
50°	937.5	1077.5	960.8	836.9	750.1	761.4	865.3	948.8	890.1	865.8	892.6
51°	863.0	996.9	903.0	755.1	642.3	675.8	769.7	879.1	817.2	778.2	789.3
52°	803.3	914.2	835.6	665.3	546.1	586.0	696.9	809.7	744.3	690.6	685.6
53°	768.0	866.9	798.1	621.1	490.8	528.5	649.7	740.3	683.3	627.1	624.9
54°	723.6	823.2	758.4	570.8	433.3	486.2	615.5	678.5	622.6	575.9	578.4
55°	678.0	766.2	697.3	516.8	377.0	447.8	587.8	622.2	565.4	532.7	534.9
56°	613.7	701.6	631.3	465.8	330.6	416.3	558.4	576.0	516.5	499.2	495.8
57°	552.8	634.0	570.9	417.5	299.1	390.9	519.6	526.0	466.9	468.2	457.9
58°	508.0	575.7	517.1	374.2	277.6	367.4	481.5	479.6	416.4	425.5	423.4
59°	459.9	528.9	467.0	340.7	258.8	335.2	455.9	443.3	388.6	390.4	390.7
60°	409.4	478.2	417.8	315.6	242.1	302.4	417.3	406.1	350.7	367.8	360.5
61°	368.3	425.4	372.6	285.5	226.5	277.7	374.8	367.2	308.7	337.5	331.9
62°	332.8	379.1	331.7	256.8	212.7	258.4	343.1	338.5	278.2	306.7	304.6
63°	299.3	336.6	298.5	233.7	198.9	239.3	318.4	313.3	252.0	277.5	280.0
64°	273.8	300.4	269.3	215.0	187.0	221.4	289.9	287.8	229.4	252.9	256.7
65°	248.9	267.7	244.5	196.3	175.8	203.5	263.5	264.0	211.5	232.2	235.3
66°	225.9	240.6	222.6	181.3	164.7	185.7	239.4	241.4	194.9	212.4	215.9
67°	202.9	213.6	200.8	166.5	153.6	170.3	216.1	219.5	180.3	193.9	197.6
68°	180.0	186.7	179.0	151.6	142.7	156.7	193.0	198.3	166.0	175.9	179.3
69°	160.0	163.6	159.5	137.6	132.3	143.0	173.8	178.3	152.2	158.4	160.7
70°	140.2	143.6	141.5	126.3	122.0	129.8	155.7	159.4	138.7	141.9	143.4
71°	122.9	126.3	125.1	118.7	111.7	117.4	139.8	142.7	125.6	125.9	127.7
72°	107.4	110.8	110.4	113.2	101.4	106.2	125.1	131.5	113.5	112.1	113.7
73°	93.4	96.2	96.5	100.1	91.1	95.5	111.2	120.6	102.0	99.4	100.6
74°	80.2	82.9	83.4	85.1	80.9	85.1	98.1	104.0	90.9	88.5	89.5
75°	68.4	71.1	71.2	72.9	71.2	75.2	85.6	88.6	80.6	77.5	77.8
76°	58.1	60.5	60.7	62.0	62.0	65.8	73.5	76.4	70.2	66.6	66.1
77°	49.0	51.2	51.2	52.8	53.2	56.7	63.1	64.1	59.9	57.0	56.1
78°	40.7	42.9	42.6	44.7	44.6	48.0	53.5	54.5	50.8	48.3	46.9
79°	33.4	35.4	34.9	37.7	36.9	40.5	44.9	46.0	42.7	40.7	38.9
80°	26.9	28.7	28.2	31.0	30.1	33.5	36.9	37.7	34.9	33.2	31.8
81°	22.2	23.8	23.2	25.3	24.7	27.5	29.9	30.5	27.8	26.6	25.4
82°	17.5	18.9	18.3	19.6	19.3	21.5	24.5	24.5	22.0	20.9	19.2
83°	12.9	14.0	13.4	13.9	14.0	15.6	19.0	19.1	16.6	15.5	13.7
84°	10.4	11.3	10.9	10.0	11.1	12.2	13.6	13.9	12.6	11.5	9.4
85°	7.4	8.1	7.8	6.3	8.0	9.0	9.9	9.2	9.4	8.2	6.3
86°	3.8	4.1	4.4	3.4	4.6	5.6	6.2	5.9	6.0	5.0	3.3
87°	1.3	1.4	1.6	1.5	1.9	2.3	2.8	2.6	2.7	1.8	1.0
88°	0.6	0.6	0.6	0.6	0.7	0.8	0.9	0.8	0.8	0.5	0.3
89°	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1

REPORT NUMBER: P1440279

CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-Position 1

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: P1440279

CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-Position 1

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: P1440279
CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-Position 1

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: P1440279

CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-Position 1

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	12736.5	12736.5	12736.5
1°	12769.5	12764.5	12749.5
2°	12760.5	12730.5	12702.5
3°	12708.5	12658.4	12614.4
4°	12615.4	12544.3	12491.3
5°	12497.3	12405.2	12343.2
6°	12364.2	12257.1	12184.0
7°	12218.0	12106.9	12026.9
8°	12068.9	11960.8	11886.7
9°	11928.8	11822.7	11742.6
10°	11783.6	11680.6	11589.5
11°	11630.5	11522.4	11411.3
12°	11468.4	11339.2	11198.1
13°	11270.2	11108.0	10944.9
14°	11036.0	10842.8	10657.6
15°	10755.7	10543.5	10340.3
16°	10439.4	10221.2	10009.0
17°	10092.1	9877.1	9658.8
18°	9703.5	9515.3	9294.2
19°	9283.6	9142.5	8916.3
20°	8830.8	8752.4	8517.0
21°	8337.5	8316.8	8072.5
22°	7814.1	7828.4	7576.6
23°	7234.7	7292.2	7036.8
24°	6635.1	6706.1	6464.0
25°	6034.1	6110.4	5889.4
26°	5434.7	5501.5	5308.5
27°	4862.9	4914.6	4747.5
28°	4325.1	4356.9	4223.6
29°	3841.7	3864.2	3775.9
30°	3427.2	3448.2	3406.2
31°	3091.9	3130.2	3115.6
32°	2826.9	2882.3	2888.9
33°	2617.4	2691.7	2715.0
34°	2451.7	2545.2	2577.2
35°	2316.0	2426.1	2465.9
36°	2207.2	2330.9	2373.4
37°	2113.3	2248.7	2293.7
38°	2026.1	2172.7	2219.6
39°	1941.6	2094.5	2144.2
40°	1857.9	2010.9	2063.4
41°	1772.9	1925.4	1979.1
42°	1682.0	1836.7	1888.2
43°	1594.6	1746.3	1792.5
44°	1507.1	1649.9	1692.3

REPORT NUMBER: P1440279

CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-Position 1

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	1417.5	1550.1	1583.3
46°	1327.7	1448.3	1472.8
47°	1236.6	1349.1	1365.5
48°	1149.1	1250.4	1265.3
49°	1056.9	1145.7	1159.0
50°	949.2	1038.8	1061.3
51°	859.3	923.1	984.5
52°	769.6	841.4	889.2
53°	679.8	760.7	803.1
54°	619.3	679.9	717.3
55°	569.8	630.0	657.8
56°	533.7	580.7	589.9
57°	490.0	523.3	524.6
58°	447.8	473.0	461.5
59°	409.9	430.9	417.5
60°	374.9	385.1	373.5
61°	344.3	344.6	334.0
62°	313.3	313.8	298.4
63°	283.3	284.8	268.8
64°	257.5	258.5	240.7
65°	234.7	233.8	216.9
66°	212.1	212.0	196.9
67°	190.0	193.5	178.7
68°	170.5	175.5	161.6
69°	152.1	158.4	145.8
70°	136.4	141.9	130.5
71°	122.3	126.8	117.0
72°	112.2	113.1	103.9
73°	107.3	99.5	91.7
74°	95.3	87.7	81.1
75°	79.7	75.9	70.4
76°	66.4	64.1	59.8
77°	57.2	53.9	50.8
78°	48.0	44.3	41.9
79°	38.9	35.5	33.1
80°	31.2	27.7	25.8
81°	23.9	20.8	19.6
82°	17.8	15.3	14.6
83°	12.7	11.1	10.4
84°	9.1	7.9	7.3
85°	5.5	4.7	4.2
86°	1.9	1.5	1.1
87°	0.5	0.4	0.3
88°	0.2	0.2	0.2
89°	0.1	0.1	0.1

REPORT NUMBER: P1440279

CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-Position 1

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: P1440279

CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-Position 1

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: P1440279

CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-Position 1

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)