

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: P1440294

Luminaire Tested: XSF60-KNYK-6Hx6V-830-Position 4

Issue Date: 04/15/2026

Test Information

Test Method: LM-79-2024
Report Number: P1440294
Test Lab: THIRD PARTY NVLAP
Issue Date: 7/15/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XSF60-KNYK-6Hx6V-830-Position 4
Description: LUMARK ALL SELECTABLE LUMINAIRE 60W w/ NEMA 6 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: 3950.9 lumens
Efficiency: N/A
Efficacy: 158.0 lumens/watt
Luminous Opening: Rectangular (W 0.3' x L: 0.3' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - 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

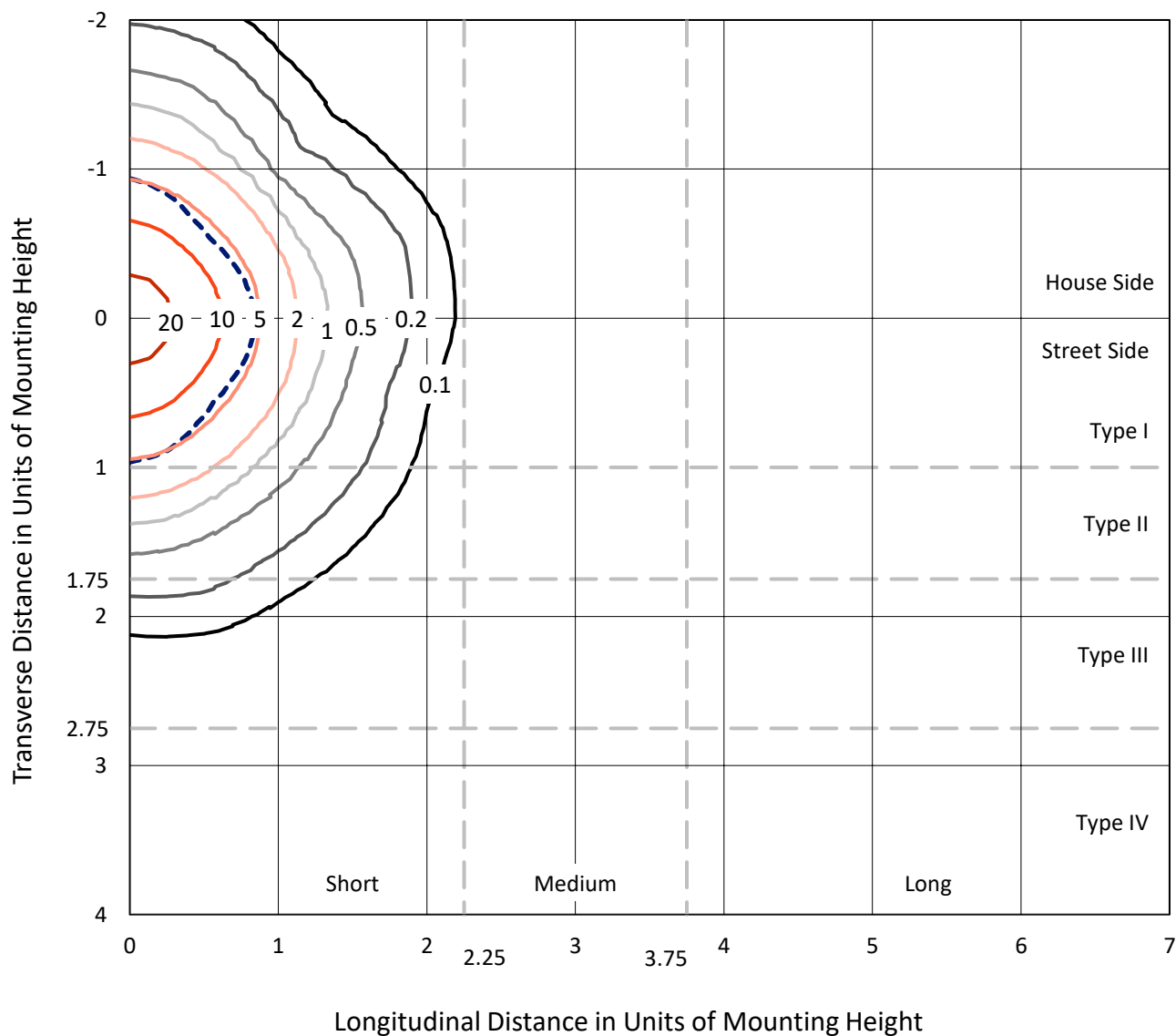
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



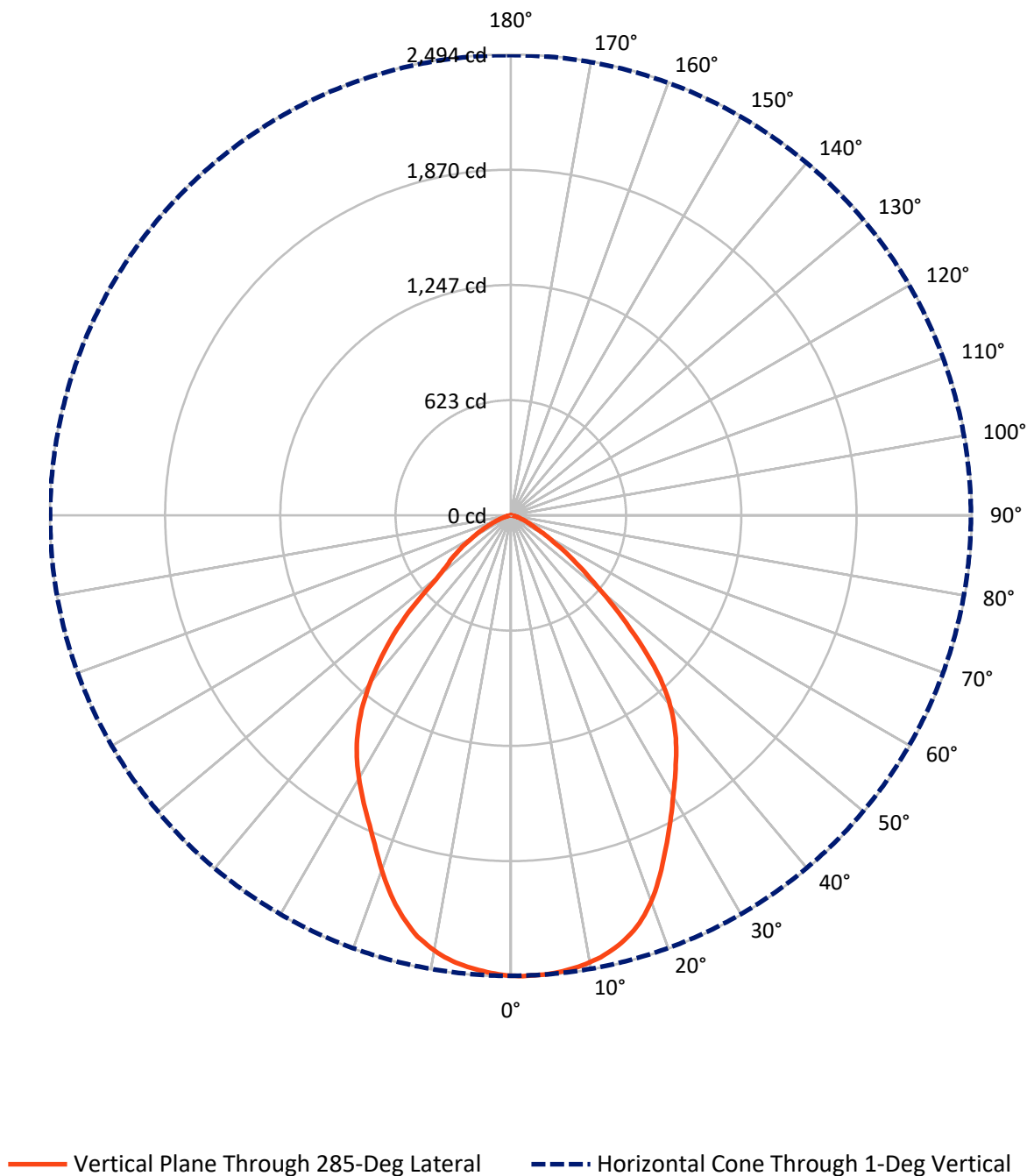
Based on 10 foot mounting height. Maximum calculated value = 24.9 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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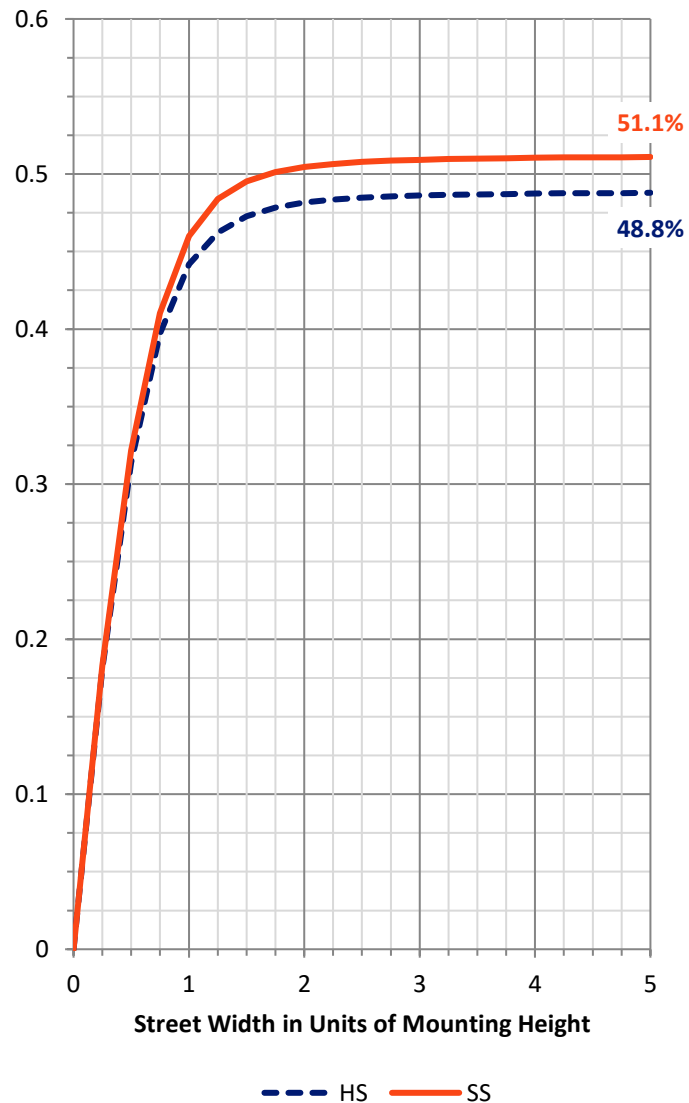
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1939.7	0.0	1939.7
	% Fixture	49.1	0.0	49.1
Street Side	Lumens	2011.1	0.0	2011.1
	% Fixture	50.9	0.0	50.9
Total	Lumens	3950.9	0.0	3950.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.8	5.9
10°-20°	651.2	16.5
20°-30°	880.2	22.3
30°-40°	937.0	23.7
40°-50°	730.0	18.5
50°-60°	336.0	8.5
60°-70°	134.8	3.4
70°-80°	41.9	1.1
80°-90°	5.0	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3950.9	100.0
0°-180°	3950.9	100.0

Coefficient of Utilization



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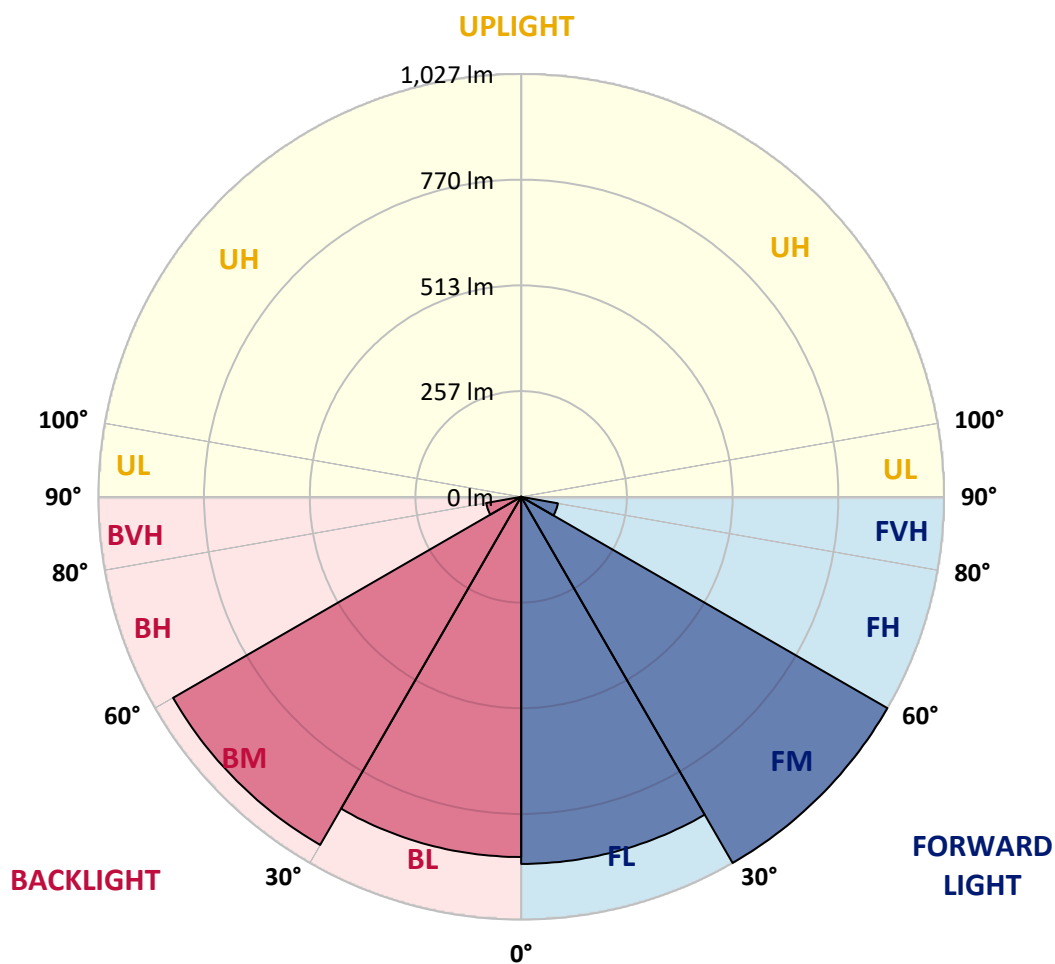
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	891.5	22.6			
FM	(30°-60°)	1026.8	26.0			
FH	(60°-80°)	90.4	2.3			G0/660
FVH	(80°-90°)	2.4	0.1			G0/10
BL	(0°-30°)	874.7	22.1	B2/1000		
BM	(30°-60°)	976.2	24.7	B1/1000		
BH	(60°-80°)	86.3	2.2	B0/110		G0/660
BVH	(80°-90°)	2.6	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	2491.4	2491.4	2491.4	2491.4	2491.4	2491.4	2491.4	2491.4	2491.4	2491.4	2491.4
1°	2490.8	2490.7	2490.4	2490.2	2488.7	2488.8	2489.2	2488.8	2489.5	2489.3	2489.9
2°	2490.3	2489.1	2487.7	2487.5	2486.9	2485.2	2484.7	2483.3	2484.4	2485.7	2486.4
3°	2488.7	2487.0	2485.1	2483.3	2481.4	2480.0	2477.7	2478.2	2478.9	2480.5	2481.7
4°	2485.1	2482.5	2479.9	2477.7	2475.1	2472.7	2471.2	2469.9	2471.5	2473.3	2474.5
5°	2480.3	2476.6	2474.1	2469.8	2466.5	2464.3	2462.2	2461.7	2462.3	2463.8	2466.4
6°	2473.9	2469.8	2464.6	2460.9	2457.2	2454.8	2453.2	2453.1	2452.6	2453.8	2457.8
7°	2465.6	2461.5	2456.5	2451.2	2447.0	2444.2	2443.9	2443.0	2443.0	2444.2	2448.2
8°	2458.9	2453.0	2446.6	2441.2	2435.5	2432.1	2431.7	2431.0	2431.9	2433.8	2437.9
9°	2450.3	2442.9	2436.0	2430.0	2422.8	2419.0	2416.5	2416.4	2417.3	2420.0	2425.9
10°	2440.0	2432.0	2423.7	2416.0	2408.3	2403.1	2399.2	2399.5	2401.9	2404.7	2410.0
11°	2427.9	2418.1	2408.4	2399.5	2391.9	2385.4	2380.1	2379.5	2382.5	2387.4	2393.3
12°	2412.6	2402.2	2391.7	2381.0	2372.8	2364.4	2358.3	2356.5	2360.9	2366.6	2374.0
13°	2395.5	2384.5	2373.0	2360.7	2349.8	2340.5	2332.9	2332.9	2336.5	2343.2	2351.0
14°	2376.7	2363.7	2350.8	2337.7	2325.2	2313.6	2303.4	2302.8	2307.5	2316.3	2323.8
15°	2354.4	2340.0	2325.8	2312.0	2297.0	2282.5	2270.5	2268.9	2275.1	2286.0	2293.3
16°	2327.8	2311.6	2296.2	2282.6	2264.7	2248.7	2234.7	2233.4	2239.8	2250.8	2258.9
17°	2297.2	2281.4	2263.3	2249.1	2228.2	2210.7	2195.9	2195.2	2201.1	2211.9	2221.7
18°	2264.3	2246.7	2228.5	2210.7	2187.8	2170.9	2153.9	2153.5	2159.8	2170.1	2180.9
19°	2228.3	2208.9	2191.2	2170.1	2146.1	2128.0	2110.9	2109.8	2115.0	2125.7	2138.3
20°	2190.5	2171.0	2150.0	2124.8	2101.0	2082.5	2067.0	2064.2	2068.0	2077.7	2093.4
21°	2152.1	2130.5	2108.5	2078.3	2053.1	2036.5	2023.0	2018.1	2017.2	2027.7	2043.3
22°	2112.1	2087.2	2061.1	2028.3	2002.4	1990.0	1977.8	1970.6	1967.0	1976.9	1993.4
23°	2069.0	2041.2	2011.2	1975.8	1951.0	1944.3	1935.5	1925.3	1915.6	1921.8	1940.6
24°	2025.9	1996.9	1961.4	1923.3	1900.6	1900.9	1896.9	1882.8	1866.7	1867.4	1892.2
25°	1985.7	1956.0	1913.9	1871.9	1851.5	1860.1	1861.7	1842.0	1818.0	1814.0	1844.7
26°	1949.3	1917.3	1867.2	1820.8	1803.1	1821.2	1827.5	1804.2	1771.8	1764.8	1797.9
27°	1914.9	1880.3	1822.4	1770.5	1757.4	1783.7	1793.5	1767.8	1727.8	1714.7	1751.8
28°	1881.4	1843.2	1777.2	1721.9	1713.7	1747.0	1760.3	1732.2	1683.8	1666.6	1707.8
29°	1851.3	1807.5	1735.0	1675.1	1669.9	1711.0	1727.8	1696.4	1641.3	1619.3	1664.0
30°	1823.3	1773.5	1692.4	1628.4	1625.9	1675.4	1695.9	1661.0	1599.8	1573.1	1621.0
31°	1794.1	1739.5	1650.3	1583.1	1584.1	1639.7	1662.3	1624.8	1560.9	1530.1	1579.9
32°	1765.8	1707.1	1609.1	1540.1	1542.9	1604.5	1627.4	1588.2	1522.7	1487.1	1540.0
33°	1739.6	1676.5	1568.3	1496.9	1502.8	1566.4	1591.3	1550.3	1483.9	1445.5	1500.7
34°	1713.4	1646.6	1529.6	1454.1	1460.9	1528.2	1552.8	1510.2	1444.3	1403.4	1461.2
35°	1686.5	1616.9	1490.3	1409.8	1417.6	1486.6	1511.8	1467.0	1400.9	1360.4	1420.5
36°	1659.3	1585.8	1451.2	1363.4	1375.1	1443.0	1466.2	1422.1	1353.0	1314.4	1377.4
37°	1630.0	1551.5	1410.7	1317.9	1331.3	1398.3	1418.6	1375.2	1302.5	1262.9	1330.5
38°	1597.1	1511.2	1369.7	1274.5	1286.2	1349.3	1368.6	1325.3	1248.1	1207.6	1279.2
39°	1557.1	1465.8	1324.9	1227.8	1237.9	1297.4	1315.5	1271.0	1192.4	1151.1	1226.3
40°	1507.8	1416.7	1273.4	1177.2	1185.7	1239.3	1259.4	1214.0	1135.5	1094.2	1168.5
41°	1454.9	1362.6	1215.8	1122.8	1130.4	1177.8	1196.3	1156.4	1075.8	1036.2	1108.0
42°	1392.2	1302.3	1154.2	1065.0	1070.7	1109.9	1128.2	1092.6	1011.7	975.7	1044.5
43°	1322.8	1236.7	1090.9	1004.2	1010.2	1038.5	1059.5	1030.6	946.7	912.1	980.9
44°	1250.3	1164.2	1026.7	942.5	947.8	968.5	992.2	967.0	884.5	856.2	921.5

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CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	1168.4	1090.1	960.3	880.5	886.9	903.0	927.0	907.3	822.3	800.3	866.3
46°	1084.7	1015.8	893.8	820.9	827.8	838.4	856.1	835.1	759.7	744.3	811.0
47°	1002.9	943.9	828.2	762.5	761.3	765.1	785.3	762.8	677.9	685.9	755.3
48°	924.9	873.3	758.9	694.5	690.5	696.6	714.5	681.8	597.4	613.4	680.4
49°	842.7	795.5	677.3	619.7	620.7	630.5	647.4	600.2	525.4	540.7	597.4
50°	765.9	713.2	594.8	539.3	555.3	565.6	590.5	531.8	448.8	448.9	523.1
51°	707.0	627.2	526.3	472.8	498.9	517.3	545.9	485.5	392.0	376.9	451.5
52°	638.7	547.8	472.5	424.5	449.5	474.0	505.8	451.0	352.0	320.0	403.2
53°	546.1	498.2	420.9	396.9	404.8	428.3	469.7	423.9	318.0	276.0	374.8
54°	497.2	460.6	387.3	369.5	373.4	390.0	427.8	403.4	290.1	233.6	343.8
55°	453.7	408.8	354.0	342.1	342.1	351.6	391.9	376.7	264.6	197.9	307.2
56°	400.8	370.4	320.6	310.9	310.8	313.3	360.6	350.4	240.9	168.8	269.0
57°	352.6	332.4	290.1	285.0	292.5	286.6	328.5	323.7	222.9	151.7	238.1
58°	304.3	294.5	263.6	260.5	266.1	255.0	297.2	305.0	205.0	139.9	210.7
59°	270.5	270.2	241.2	236.5	245.4	228.8	269.3	275.2	181.8	130.0	189.2
60°	238.5	254.1	220.8	214.4	223.8	196.1	246.9	245.5	165.0	120.8	170.6
61°	208.8	230.1	198.1	195.1	200.9	168.6	221.6	226.4	155.6	112.9	154.0
62°	183.4	202.5	177.7	176.9	179.6	154.4	199.4	208.5	142.5	105.8	139.5
63°	162.8	178.2	159.5	160.0	162.2	142.2	182.1	189.9	129.6	99.1	127.0
64°	142.6	160.7	144.5	145.7	147.5	128.0	163.6	168.8	117.7	92.7	115.9
65°	126.1	143.4	131.7	133.1	133.3	115.3	146.1	149.9	107.0	86.3	105.0
66°	112.7	127.8	119.0	121.1	120.2	104.4	129.2	132.2	97.5	80.0	95.7
67°	101.0	113.9	107.1	109.4	107.8	94.7	113.3	115.9	88.0	73.9	86.3
68°	90.5	100.6	95.9	97.7	95.7	85.7	100.5	103.2	78.5	68.1	76.9
69°	80.6	88.2	84.9	86.1	84.7	76.8	87.7	90.5	71.2	62.6	68.9
70°	71.5	77.0	74.3	75.7	74.9	68.7	75.0	78.0	64.7	57.3	61.8
71°	63.3	67.5	65.0	66.1	66.2	61.5	66.2	69.4	58.6	52.3	54.9
72°	55.8	59.1	56.6	58.2	58.3	54.9	58.4	61.3	52.7	47.2	48.6
73°	48.4	51.2	48.9	51.1	51.4	48.6	51.2	53.6	47.0	42.2	42.6
74°	42.1	44.2	42.1	44.8	44.8	42.9	44.5	46.7	41.7	37.5	37.3
75°	36.5	38.1	36.3	39.1	39.2	37.6	38.4	40.0	36.4	32.9	32.0
76°	31.0	32.1	30.5	33.2	33.4	32.3	32.6	33.9	31.5	28.6	26.9
77°	25.4	26.0	24.7	27.4	27.7	27.0	27.7	28.9	27.0	24.6	22.6
78°	20.6	20.7	20.3	22.6	23.4	22.9	23.5	24.3	22.8	20.4	18.8
79°	15.9	16.4	16.6	18.6	19.3	18.9	19.4	20.1	19.1	16.8	15.6
80°	12.0	12.6	13.1	15.1	15.4	15.4	15.5	16.5	15.6	13.9	12.8
81°	9.0	9.5	9.9	12.1	12.7	12.7	12.6	13.4	12.4	11.3	10.4
82°	6.7	7.4	7.8	9.2	9.9	10.2	10.2	10.7	9.9	8.7	8.0
83°	4.8	5.2	5.3	6.4	6.9	7.5	7.8	8.1	7.4	6.1	5.6
84°	3.1	3.6	3.7	3.9	4.6	5.1	5.4	5.4	4.9	4.1	3.8
85°	1.4	2.0	2.2	2.4	3.0	3.6	3.5	3.5	3.1	2.6	2.4
86°	0.4	0.5	0.6	1.0	1.3	2.2	1.9	1.9	1.7	1.4	1.3
87°	0.2	0.2	0.2	0.3	0.4	0.7	0.7	0.8	0.7	0.6	0.6
88°	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2
89°	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1



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CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
94°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
96°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
101°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
104°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
106°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
108°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
109°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
111°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
114°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
116°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
118°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
119°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
121°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
123°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
124°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
126°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
128°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
129°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
131°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
133°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
134°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1440294

CATALOG NUMBER: XSF60-KNYK-6Hx6V-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: P1440294
CATALOG NUMBER: XSF60-KNYK-6Hx6V-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: P1440294

CATALOG NUMBER: XSF60-KNYK-6Hx6V-830-Position 4

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	2491.4	2491.4	2491.4	2491.4	2491.4	2491.4	2491.4	2491.4	2491.4	2491.4	2491.4
1°	2490.4	2490.7	2491.4	2491.8	2491.7	2492.4	2491.7	2492.7	2493.7	2492.3	2492.3
2°	2488.4	2488.4	2489.2	2490.1	2491.1	2491.5	2491.9	2492.7	2492.0	2492.0	2491.7
3°	2483.5	2484.5	2486.1	2488.4	2490.0	2489.8	2491.7	2493.0	2491.0	2491.3	2490.8
4°	2476.6	2478.5	2480.4	2483.8	2486.0	2487.3	2489.0	2489.6	2490.1	2489.1	2490.1
5°	2468.8	2472.1	2475.7	2478.2	2481.2	2483.5	2485.8	2488.3	2487.3	2487.4	2488.1
6°	2461.2	2464.4	2468.2	2471.2	2475.5	2477.9	2480.2	2481.6	2482.0	2483.7	2484.4
7°	2452.4	2457.1	2461.5	2464.2	2467.8	2470.2	2472.7	2474.8	2475.8	2476.7	2477.7
8°	2442.8	2447.9	2452.2	2455.9	2460.2	2462.4	2464.5	2467.3	2468.7	2470.0	2469.0
9°	2430.3	2436.2	2441.6	2445.6	2450.3	2453.0	2454.9	2458.0	2460.3	2460.8	2459.7
10°	2415.9	2422.0	2428.0	2433.0	2439.0	2441.7	2444.8	2448.5	2449.7	2451.2	2451.1
11°	2399.0	2404.5	2410.5	2417.9	2425.3	2429.9	2433.3	2437.2	2439.6	2440.0	2441.1
12°	2379.9	2384.6	2392.7	2400.3	2407.4	2415.2	2419.6	2422.0	2424.2	2426.9	2428.3
13°	2356.2	2362.9	2371.1	2381.1	2388.8	2397.4	2400.7	2404.4	2407.6	2411.0	2413.1
14°	2329.4	2337.8	2346.1	2358.0	2367.9	2374.6	2380.0	2384.4	2388.9	2393.9	2396.8
15°	2299.1	2307.9	2317.8	2331.8	2344.2	2351.4	2355.3	2361.2	2366.4	2373.1	2377.1
16°	2266.2	2274.8	2286.3	2301.3	2315.6	2322.5	2327.8	2334.3	2341.9	2350.2	2353.7
17°	2229.6	2239.2	2251.9	2268.2	2283.1	2289.3	2296.3	2303.3	2312.6	2322.6	2328.7
18°	2190.3	2202.1	2216.2	2232.2	2245.8	2253.0	2259.0	2267.8	2278.8	2292.9	2299.1
19°	2149.2	2162.8	2177.7	2193.6	2205.1	2212.0	2217.9	2228.2	2241.3	2257.3	2265.1
20°	2104.6	2118.7	2135.4	2151.8	2160.2	2166.5	2173.4	2184.9	2200.4	2217.9	2228.4
21°	2057.1	2072.1	2088.7	2106.4	2113.5	2117.3	2124.2	2139.3	2155.7	2174.1	2187.3
22°	2012.3	2031.1	2045.6	2057.5	2061.8	2063.5	2074.4	2090.3	2106.8	2126.9	2142.7
23°	1968.7	1993.7	2007.0	2010.5	2008.1	2007.6	2021.1	2040.9	2058.2	2076.1	2093.9
24°	1928.2	1959.1	1971.0	1966.0	1951.6	1949.6	1967.5	1991.7	2009.0	2023.2	2040.6
25°	1893.2	1928.5	1936.5	1920.8	1895.8	1892.5	1913.4	1941.2	1961.0	1969.6	1986.6
26°	1858.1	1898.9	1904.4	1876.5	1840.2	1837.8	1861.9	1895.2	1913.6	1916.9	1933.2
27°	1823.3	1871.4	1872.1	1833.3	1786.6	1783.7	1813.9	1849.8	1867.3	1865.1	1878.3
28°	1788.3	1844.2	1840.6	1790.4	1736.5	1732.4	1768.1	1809.1	1823.0	1814.0	1822.6
29°	1755.1	1816.9	1808.9	1747.7	1687.2	1682.2	1723.3	1768.4	1778.3	1764.9	1769.8
30°	1723.9	1789.5	1777.7	1704.1	1638.1	1634.0	1681.5	1728.2	1736.4	1716.2	1716.2
31°	1692.1	1762.1	1746.8	1661.3	1590.5	1587.5	1640.6	1690.2	1696.5	1668.3	1665.1
32°	1661.1	1734.8	1717.0	1619.0	1544.4	1543.4	1600.4	1652.6	1657.0	1620.6	1615.0
33°	1629.7	1708.0	1685.7	1577.7	1500.1	1502.1	1560.6	1616.7	1617.0	1573.2	1567.3
34°	1597.4	1682.3	1653.0	1537.6	1456.4	1461.5	1522.0	1580.1	1579.5	1526.7	1519.3
35°	1563.7	1656.5	1619.5	1496.4	1413.1	1420.1	1481.8	1542.3	1541.0	1479.9	1472.0
36°	1528.3	1627.3	1583.2	1452.6	1369.2	1378.5	1440.4	1504.2	1500.7	1433.8	1425.3
37°	1488.8	1592.1	1543.2	1408.9	1324.0	1334.8	1399.8	1465.3	1458.4	1388.0	1379.3
38°	1443.1	1550.2	1498.9	1361.3	1276.8	1288.5	1358.1	1424.2	1413.5	1340.6	1333.5
39°	1391.3	1502.7	1448.5	1309.5	1227.3	1238.9	1313.4	1380.8	1366.6	1291.6	1285.4
40°	1333.3	1448.2	1391.5	1253.3	1173.0	1185.7	1263.7	1331.6	1316.0	1241.4	1236.9
41°	1271.0	1388.2	1326.6	1193.3	1116.0	1130.0	1209.2	1275.1	1258.7	1187.2	1184.9
42°	1203.5	1321.7	1254.8	1127.2	1056.3	1071.6	1150.3	1213.0	1195.5	1130.3	1128.5
43°	1134.2	1250.2	1179.9	1056.6	993.5	1011.3	1086.9	1144.7	1125.3	1070.5	1066.6
44°	1068.0	1180.7	1105.9	985.0	926.3	947.3	1022.3	1073.7	1049.4	1005.9	1003.7

REPORT NUMBER: P1440294

CATALOG NUMBER: XSF60-KNYK-6Hx6V-830-Position 4

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	1001.8	1111.7	1031.6	914.6	864.6	881.6	955.0	1002.4	971.2	938.7	940.1
46°	939.7	1046.1	963.5	850.2	802.9	816.0	890.5	932.7	891.2	869.4	877.1
47°	867.0	968.6	887.4	786.0	741.2	750.4	826.0	869.6	821.6	802.2	816.4
48°	794.3	904.5	811.3	721.1	675.1	678.9	761.3	799.7	749.3	739.8	757.6
49°	721.6	840.5	735.6	634.4	588.1	591.9	680.9	729.2	675.1	672.8	686.2
50°	659.8	776.4	675.2	560.1	496.5	514.5	596.6	654.3	606.7	602.2	605.4
51°	603.5	714.1	632.9	499.1	414.0	448.6	522.8	586.4	551.1	531.0	523.5
52°	560.2	651.2	582.3	434.0	340.0	379.2	466.5	534.3	503.8	468.1	455.7
53°	536.3	617.4	557.3	403.7	299.4	335.3	431.9	497.8	459.1	418.6	409.5
54°	504.3	584.7	529.4	369.0	257.6	304.6	408.4	453.5	414.8	387.4	379.1
55°	470.7	542.2	483.1	330.2	216.5	277.4	390.4	413.2	376.6	356.1	349.0
56°	421.7	493.4	433.1	293.7	183.3	255.2	370.1	379.8	338.5	324.9	318.9
57°	375.7	441.0	388.4	259.1	162.3	238.2	342.8	346.5	300.4	303.4	292.0
58°	342.9	397.1	348.5	228.6	149.3	222.8	316.3	313.2	262.2	272.7	268.8
59°	307.4	362.0	312.3	205.4	138.1	200.1	299.7	287.3	243.2	246.7	247.1
60°	269.4	323.3	275.6	189.4	128.5	177.4	271.5	261.2	216.5	231.8	226.7
61°	238.9	283.7	242.8	168.3	119.9	160.5	240.7	232.7	185.3	210.5	207.2
62°	212.5	248.8	211.8	148.1	112.1	148.4	217.8	212.2	164.0	189.0	189.1
63°	187.5	217.2	187.2	132.0	105.0	135.9	200.3	194.7	145.8	167.8	172.5
64°	169.5	190.7	166.1	118.7	98.3	124.5	179.8	175.4	130.1	151.0	156.1
65°	151.8	166.8	148.2	107.1	91.6	113.2	160.4	157.0	118.0	137.2	141.1
66°	134.9	147.0	131.5	97.7	84.9	103.6	142.9	139.8	107.2	124.3	127.9
67°	119.5	128.4	117.2	88.3	78.6	94.0	126.5	124.0	97.8	112.0	115.5
68°	105.5	111.3	104.2	79.0	72.3	84.4	111.8	109.1	88.8	100.3	103.1
69°	91.5	96.6	91.2	71.0	66.7	76.8	99.9	95.6	80.3	89.2	90.8
70°	77.5	82.1	78.2	63.6	61.3	69.4	88.0	83.2	72.2	78.8	79.3
71°	66.6	71.2	67.9	56.5	56.0	62.6	76.2	72.8	64.3	69.1	69.2
72°	57.0	61.2	58.9	50.2	50.8	56.4	67.4	64.0	57.5	60.7	60.6
73°	48.8	51.9	50.8	44.4	45.5	50.7	59.5	55.9	51.2	53.4	53.2
74°	41.1	43.8	43.3	39.0	40.5	45.1	52.0	48.7	45.4	46.9	46.6
75°	34.5	36.7	36.3	33.7	35.6	39.7	44.9	42.1	39.6	40.7	40.4
76°	28.8	30.6	30.4	28.6	31.1	34.5	37.9	36.6	34.4	35.5	34.9
77°	24.0	25.5	25.4	24.0	26.7	29.5	32.0	31.1	29.3	30.3	29.4
78°	19.8	21.1	21.0	20.2	22.5	24.9	27.0	25.6	24.7	25.0	23.8
79°	16.2	17.1	17.1	16.9	18.7	21.0	22.7	21.5	21.0	21.1	19.9
80°	13.0	13.7	13.8	13.8	15.5	17.5	18.7	17.3	17.3	17.2	16.3
81°	10.6	11.2	11.3	11.3	12.5	14.1	15.2	13.8	13.8	13.7	13.1
82°	8.2	8.8	8.7	8.8	10.1	11.3	12.1	11.1	11.1	10.9	10.1
83°	5.8	6.3	6.2	6.4	7.6	8.6	9.5	8.7	8.4	8.0	7.1
84°	3.9	4.3	4.3	4.4	5.2	5.8	6.9	6.4	6.0	5.6	4.6
85°	2.5	2.7	2.7	2.8	3.4	4.0	4.3	4.3	3.9	4.0	2.9
86°	1.2	1.4	1.4	1.6	1.8	2.4	2.6	2.8	2.6	2.4	1.3
87°	0.5	0.6	0.6	0.7	0.8	1.2	1.4	1.3	1.3	0.8	0.4
88°	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.2	0.1
89°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0

REPORT NUMBER: P1440294

CATALOG NUMBER: XSF60-KNYK-6Hx6V-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: P1440294

CATALOG NUMBER: XSF60-KNYK-6Hx6V-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: P1440294
CATALOG NUMBER: XSF60-KNYK-6Hx6V-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: P1440294

CATALOG NUMBER: XSF60-KNYK-6Hx6V-830-Position 4

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	2491.4	2491.4	2491.4
1°	2491.9	2491.6	2490.8
2°	2491.4	2491.3	2490.3
3°	2491.4	2490.4	2488.7
4°	2489.7	2488.0	2485.1
5°	2486.0	2483.8	2480.3
6°	2481.3	2478.4	2473.9
7°	2474.1	2470.8	2465.6
8°	2466.3	2463.6	2458.9
9°	2459.1	2455.0	2450.3
10°	2449.7	2447.6	2440.0
11°	2439.1	2435.4	2427.9
12°	2426.4	2421.2	2412.6
13°	2411.4	2405.7	2395.5
14°	2393.6	2387.6	2376.7
15°	2374.4	2367.4	2354.4
16°	2351.1	2342.4	2327.8
17°	2324.7	2314.5	2297.2
18°	2296.0	2282.3	2264.3
19°	2263.3	2248.3	2228.3
20°	2226.5	2211.0	2190.5
21°	2187.1	2173.2	2152.1
22°	2144.5	2132.2	2112.1
23°	2097.5	2088.7	2069.0
24°	2048.5	2044.0	2025.9
25°	1999.9	1997.8	1985.7
26°	1950.0	1956.5	1949.3
27°	1901.6	1918.4	1914.9
28°	1853.2	1880.9	1881.4
29°	1808.2	1844.7	1851.3
30°	1761.4	1809.1	1823.3
31°	1716.0	1774.2	1794.1
32°	1673.6	1741.4	1765.8
33°	1631.3	1709.3	1739.6
34°	1589.4	1678.2	1713.4
35°	1545.6	1647.5	1686.5
36°	1504.9	1618.7	1659.3
37°	1465.2	1587.4	1630.0
38°	1420.8	1553.4	1597.1
39°	1372.0	1511.9	1557.1
40°	1319.4	1461.0	1507.8
41°	1262.8	1405.0	1454.9
42°	1200.0	1345.1	1392.2
43°	1137.0	1280.7	1322.8
44°	1072.8	1212.1	1250.3

REPORT NUMBER: P1440294

CATALOG NUMBER: XSF60-KNYK-6Hx6V-830-Position 4

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	1005.6	1136.2	1168.4
46°	938.0	1058.9	1084.7
47°	869.9	982.8	1002.9
48°	802.7	908.2	924.9
49°	732.9	827.6	842.7
50°	650.9	744.7	765.9
51°	564.6	651.8	707.0
52°	489.2	584.8	638.7
53°	444.9	517.4	546.1
54°	401.9	462.5	497.2
55°	373.0	425.3	453.7
56°	344.2	387.2	400.8
57°	315.5	349.2	352.6
58°	286.7	311.1	304.3
59°	260.4	281.6	270.5
60°	235.6	248.8	238.5
61°	214.7	219.7	208.8
62°	193.9	197.7	183.4
63°	173.1	177.1	162.8
64°	154.8	158.0	142.6
65°	138.6	140.8	126.1
66°	121.9	125.6	112.7
67°	106.1	112.7	101.0
68°	93.3	100.5	90.5
69°	82.0	89.3	80.6
70°	72.6	78.6	71.5
71°	63.8	69.3	63.3
72°	56.2	61.1	55.8
73°	49.2	52.9	48.4
74°	42.5	45.4	42.1
75°	36.9	39.3	36.5
76°	31.3	33.3	31.0
77°	25.7	27.2	25.4
78°	21.3	22.1	20.6
79°	17.7	17.4	15.9
80°	14.1	13.5	12.0
81°	10.8	10.1	9.0
82°	8.1	7.4	6.7
83°	5.7	5.4	4.8
84°	4.1	3.8	3.1
85°	2.5	2.2	1.4
86°	0.8	0.5	0.4
87°	0.2	0.2	0.2
88°	0.1	0.1	0.1
89°	0.0	0.0	0.0

REPORT NUMBER: P1440294

CATALOG NUMBER: XSF60-KNYK-6Hx6V-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: P1440294

CATALOG NUMBER: XSF60-KNYK-6Hx6V-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: P1440294

CATALOG NUMBER: XSF60-KNYK-6Hx6V-830-Position 4

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)