

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: P1440302

Luminaire Tested: XSF60-KNYK-6Hx6V-850-Position 4

Issue Date: 04/15/2026

Test Information

Test Method: LM-79-2024
Report Number: P1440302
Test Lab: THIRD PARTY NVLAP
Issue Date: 7/15/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XSF60-KNYK-6Hx6V-850-Position 4
Description: LUMARK ALL SELECTABLE LUMINAIRE 60W w/ NEMA 6 FLOOD DISTRIBUTION 5000K CCT 80 CRI LIGHT ENGINE AT Position 4
Light Source: (1) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4187.9 lumens
Efficiency: N/A
Efficacy: 167.5 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

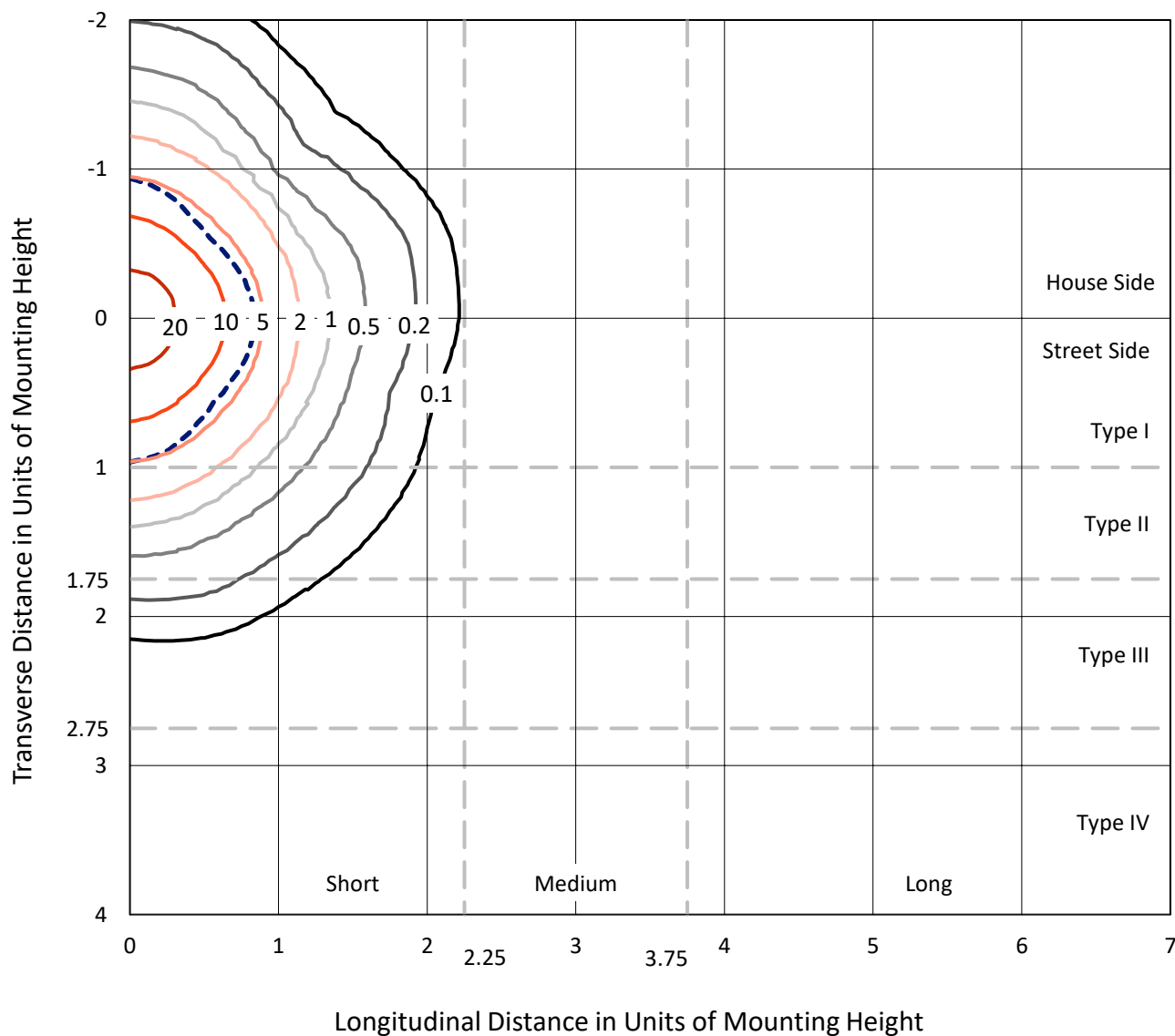
REPORT NUMBER: P1440302

CATALOG NUMBER: XSF60-KNYK-6Hx6V-850-Position 4

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



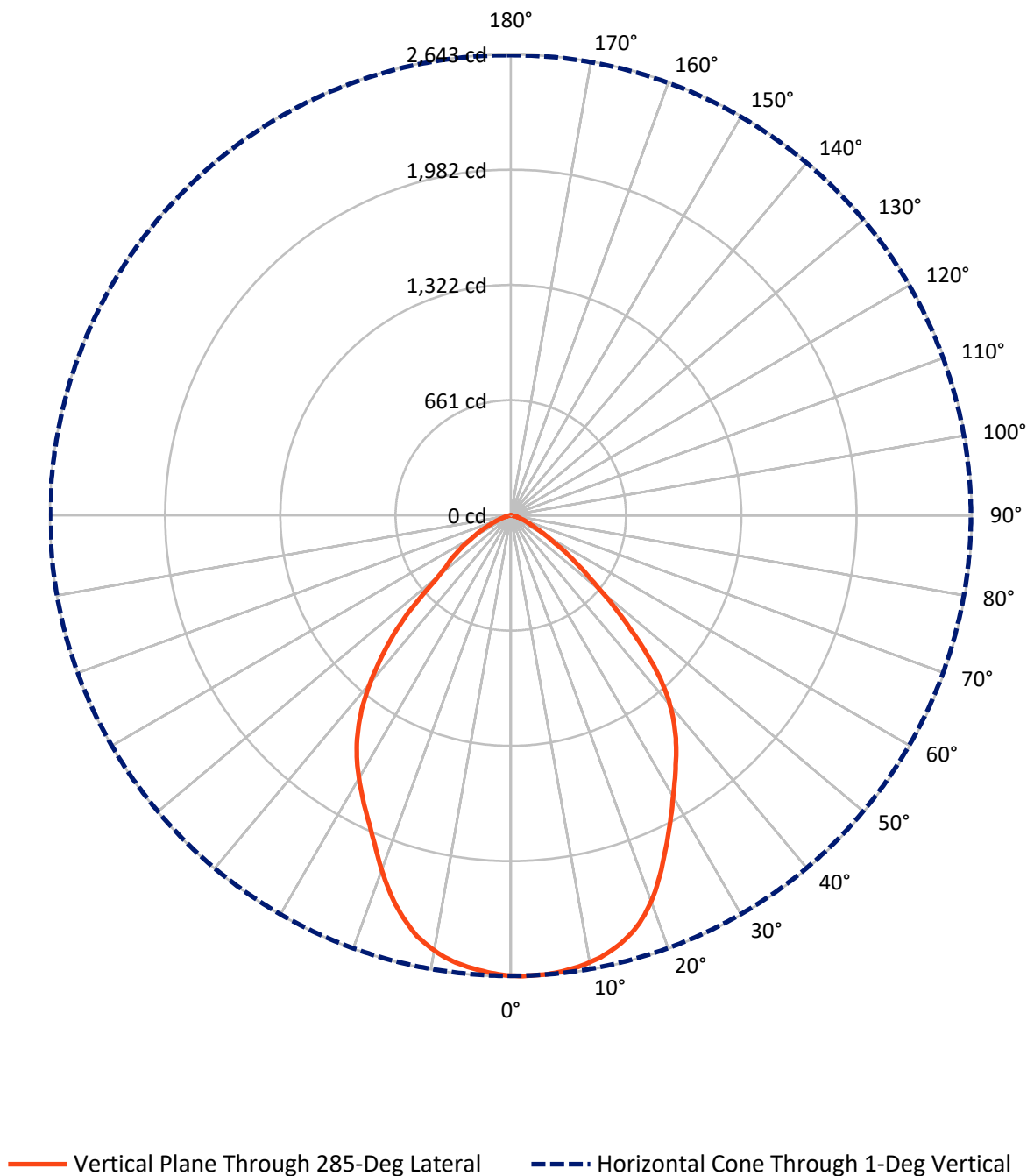
Based on 10 foot mounting height. Maximum calculated value = 26.4 fc

Type V - Short - N/A

REPORT NUMBER: P1440302

CATALOG NUMBER: XSF60-KNYK-6Hx6V-850-Position 4

Luminous Intensity Polar Plot



REPORT NUMBER: P1440302

CATALOG NUMBER: XSF60-KNYK-6Hx6V-850-Position 4

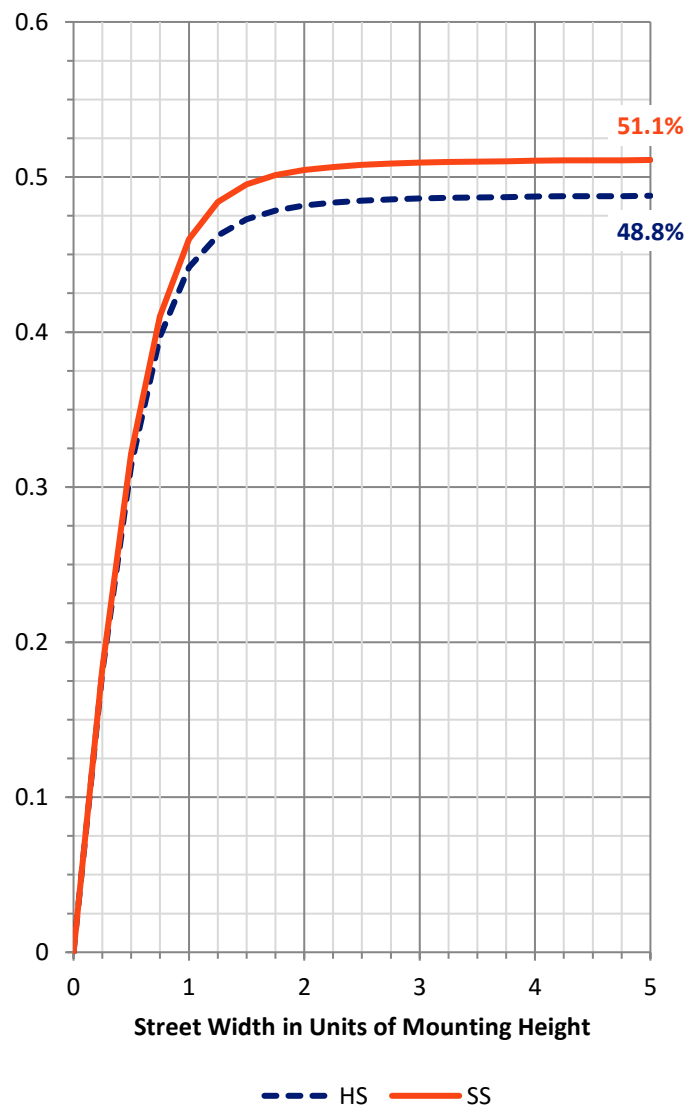
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2056.1	0.0	2056.1
	% Fixture	49.1	0.0	49.1
Street Side	Lumens	2131.8	0.0	2131.8
	% Fixture	50.9	0.0	50.9
Total	Lumens	4187.9	0.0	4187.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	248.9	5.9
10°-20°	690.2	16.5
20°-30°	933.0	22.3
30°-40°	993.3	23.7
40°-50°	773.8	18.5
50°-60°	356.2	8.5
60°-70°	142.9	3.4
70°-80°	44.4	1.1
80°-90°	5.3	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°	4187.9	100.0
0°-180°	4187.9	100.0

Coefficient of Utilization



REPORT NUMBER: P1440302

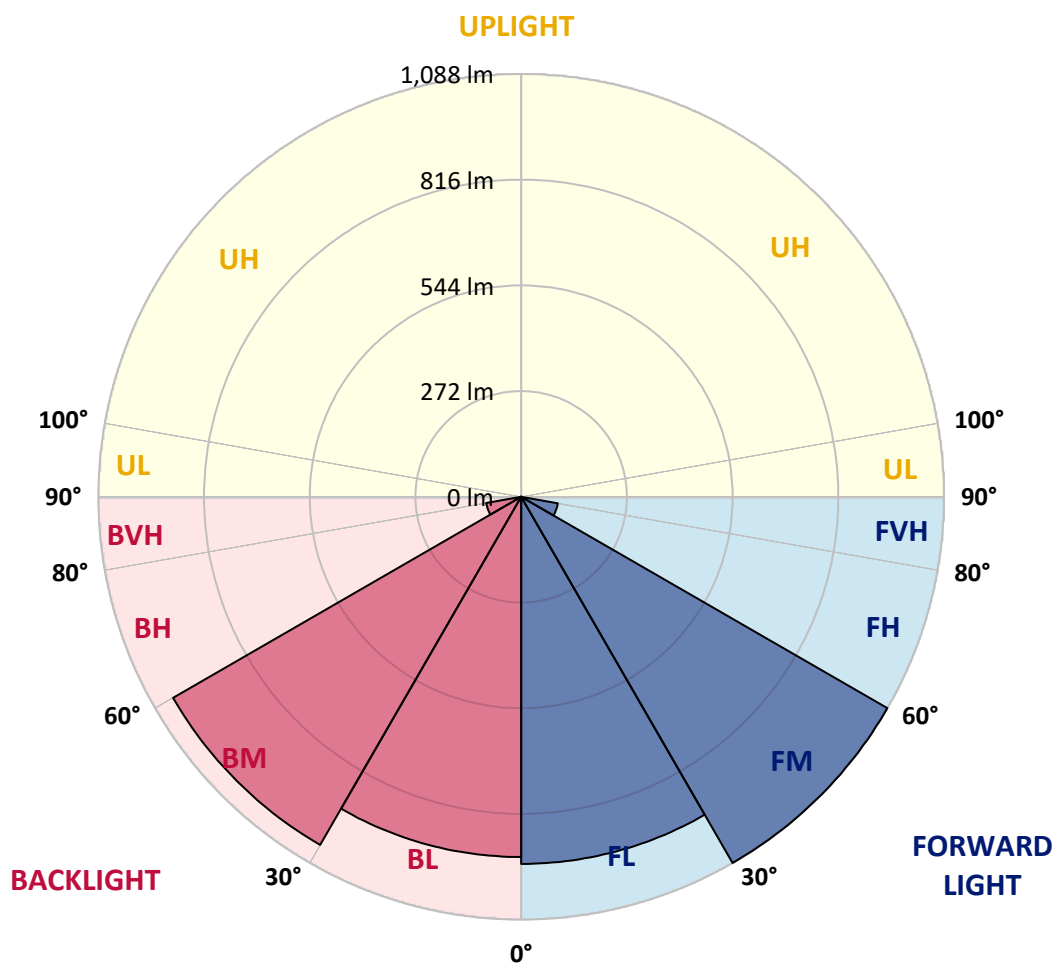
CATALOG NUMBER: XSF60-KNYK-6Hx6V-850-Position 4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	945.0	22.6			
FM	(30°-60°)	1088.4	26.0			
FH	(60°-80°)	95.8	2.3			G0/660
FVH	(80°-90°)	2.5	0.1			G0/10
BL	(0°-30°)	927.1	22.1	B2/1000		
BM	(30°-60°)	1034.8	24.7	B2/2500		
BH	(60°-80°)	91.5	2.2	B0/110		G0/660
BVH	(80°-90°)	2.7	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



REPORT NUMBER: P1440302

CATALOG NUMBER: XSF60-KNYK-6Hx6V-850-Position 4

CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	2640.9	2640.9	2640.9	2640.9	2640.9	2640.9	2640.9	2640.9	2640.9	2640.9	2640.9
1°	2640.3	2640.2	2639.8	2639.6	2638.0	2638.2	2638.5	2638.1	2638.8	2638.6	2639.3
2°	2639.7	2638.5	2637.0	2636.7	2636.1	2634.3	2633.8	2632.3	2633.4	2634.9	2635.6
3°	2638.0	2636.2	2634.2	2632.3	2630.2	2628.8	2626.3	2626.9	2627.6	2629.3	2630.7
4°	2634.2	2631.5	2628.7	2626.4	2623.6	2621.1	2619.5	2618.1	2619.8	2621.7	2622.9
5°	2629.1	2625.1	2622.6	2618.0	2614.5	2612.1	2610.0	2609.4	2610.0	2611.6	2614.4
6°	2622.3	2618.0	2612.5	2608.5	2604.7	2602.1	2600.4	2600.3	2599.7	2601.0	2605.3
7°	2613.6	2609.2	2603.9	2598.3	2593.9	2590.8	2590.5	2589.6	2589.5	2590.9	2595.1
8°	2606.5	2600.2	2593.4	2587.7	2581.7	2578.1	2577.6	2576.9	2577.8	2579.8	2584.1
9°	2597.4	2589.5	2582.2	2575.8	2568.2	2564.2	2561.5	2561.4	2562.3	2565.2	2571.5
10°	2586.4	2577.9	2569.2	2561.0	2552.8	2547.3	2543.1	2543.5	2546.1	2549.0	2554.6
11°	2573.6	2563.2	2552.9	2543.5	2535.5	2528.5	2522.9	2522.3	2525.5	2530.7	2536.9
12°	2557.4	2546.3	2535.2	2523.9	2515.2	2506.2	2499.8	2497.9	2502.5	2508.6	2516.4
13°	2539.3	2527.5	2515.4	2502.4	2490.8	2481.0	2472.9	2472.9	2476.7	2483.8	2492.1
14°	2519.3	2505.5	2491.8	2478.0	2464.7	2452.4	2441.6	2440.9	2446.0	2455.3	2463.2
15°	2495.6	2480.4	2465.4	2450.7	2434.9	2419.4	2406.7	2405.1	2411.7	2423.2	2430.9
16°	2467.5	2450.3	2434.0	2419.6	2400.6	2383.6	2368.8	2367.5	2374.1	2385.9	2394.5
17°	2435.0	2418.3	2399.2	2384.1	2361.9	2343.4	2327.7	2326.9	2333.2	2344.6	2355.0
18°	2400.2	2381.5	2362.2	2343.3	2319.1	2301.1	2283.1	2282.7	2289.4	2300.3	2311.7
19°	2361.9	2341.5	2322.7	2300.3	2274.8	2255.7	2237.5	2236.4	2241.9	2253.2	2266.6
20°	2322.0	2301.3	2279.0	2252.3	2227.0	2207.4	2191.0	2188.1	2192.1	2202.4	2219.0
21°	2281.2	2258.3	2235.1	2203.0	2176.3	2158.7	2144.4	2139.2	2138.2	2149.4	2165.9
22°	2238.8	2212.4	2184.8	2150.0	2122.5	2109.4	2096.5	2088.8	2085.0	2095.6	2113.0
23°	2193.1	2163.6	2131.9	2094.3	2068.1	2061.0	2051.6	2040.8	2030.6	2037.1	2057.0
24°	2147.5	2116.7	2079.1	2038.7	2014.6	2014.9	2010.7	1995.8	1978.7	1979.5	2005.7
25°	2104.9	2073.4	2028.7	1984.2	1962.6	1971.7	1973.4	1952.5	1927.1	1922.9	1955.4
26°	2066.2	2032.3	1979.3	1930.1	1911.3	1930.5	1937.1	1912.5	1878.1	1870.7	1905.8
27°	2029.7	1993.1	1931.7	1876.7	1862.8	1890.7	1901.1	1873.9	1831.5	1817.6	1856.9
28°	1994.3	1953.8	1883.8	1825.2	1816.5	1851.8	1866.0	1836.2	1784.8	1766.6	1810.3
29°	1962.3	1916.0	1839.1	1775.6	1770.1	1813.7	1831.5	1798.2	1739.8	1716.5	1763.8
30°	1932.7	1879.9	1793.9	1726.1	1723.4	1776.0	1797.6	1760.7	1695.8	1667.5	1718.3
31°	1901.8	1843.9	1749.4	1678.1	1679.2	1738.1	1762.0	1722.3	1654.5	1621.9	1674.7
32°	1871.8	1809.5	1705.6	1632.5	1635.5	1700.7	1725.1	1683.5	1614.0	1576.3	1632.4
33°	1844.0	1777.1	1662.4	1586.7	1592.9	1660.4	1686.8	1643.3	1573.0	1532.2	1590.7
34°	1816.2	1745.4	1621.3	1541.4	1548.6	1619.9	1646.0	1600.9	1531.0	1487.6	1548.9
35°	1787.7	1713.9	1579.7	1494.4	1502.6	1575.8	1602.5	1555.1	1484.9	1442.0	1505.8
36°	1758.9	1680.9	1538.3	1445.2	1457.6	1529.6	1554.2	1507.4	1434.2	1393.2	1460.0
37°	1727.8	1644.6	1495.3	1397.0	1411.2	1482.2	1503.7	1457.7	1380.6	1338.7	1410.4
38°	1692.9	1601.9	1451.9	1351.0	1363.4	1430.2	1450.7	1404.8	1323.0	1280.0	1355.9
39°	1650.6	1553.8	1404.4	1301.5	1312.2	1375.2	1394.5	1347.3	1264.0	1220.1	1299.9
40°	1598.3	1501.7	1349.8	1247.9	1256.9	1313.6	1335.0	1286.8	1203.6	1159.9	1238.6
41°	1542.1	1444.4	1288.8	1190.1	1198.3	1248.5	1268.1	1225.8	1140.4	1098.3	1174.5
42°	1475.7	1380.4	1223.5	1128.9	1134.9	1176.5	1195.8	1158.1	1072.5	1034.2	1107.2
43°	1402.2	1310.9	1156.3	1064.4	1070.8	1100.8	1123.0	1092.4	1003.5	966.8	1039.8
44°	1325.3	1234.1	1088.3	999.0	1004.7	1026.7	1051.8	1025.0	937.6	907.6	976.8

REPORT NUMBER: P1440302

CATALOG NUMBER: XSF60-KNYK-6Hx6V-850-Position 4

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	1238.5	1155.5	1017.9	933.3	940.1	957.2	982.6	961.8	871.7	848.3	918.2
46°	1149.8	1076.7	947.5	870.1	877.5	888.7	907.5	885.3	805.3	789.0	859.7
47°	1063.0	1000.5	877.9	808.2	807.0	811.0	832.4	808.5	718.6	727.0	800.6
48°	980.4	925.7	804.5	736.2	731.9	738.4	757.4	722.7	633.2	650.2	721.2
49°	893.3	843.3	717.9	656.9	657.9	668.4	686.2	636.2	556.9	573.1	633.2
50°	811.8	755.9	630.5	571.7	588.7	599.6	625.9	563.7	475.7	475.8	554.5
51°	749.4	664.8	557.8	501.2	528.9	548.4	578.6	514.7	415.5	399.5	478.6
52°	677.0	580.6	500.8	450.0	476.5	502.5	536.1	478.0	373.1	339.2	427.3
53°	578.8	528.1	446.2	420.7	429.1	454.0	497.8	449.4	337.0	292.5	397.3
54°	527.0	488.2	410.6	391.7	395.8	413.4	453.4	427.6	307.5	247.6	364.5
55°	480.9	433.3	375.2	362.6	362.6	372.7	415.4	399.3	280.4	209.8	325.7
56°	424.9	392.6	339.9	329.6	329.4	332.1	382.3	371.4	255.4	178.9	285.1
57°	373.7	352.4	307.5	302.1	310.1	303.8	348.2	343.2	236.3	160.8	252.4
58°	322.6	312.1	279.5	276.2	282.0	270.4	315.1	323.3	217.3	148.3	223.3
59°	286.7	286.4	255.6	250.6	260.1	242.5	285.5	291.7	192.7	137.8	200.5
60°	252.8	269.3	234.0	227.2	237.2	207.8	261.7	260.2	174.9	128.1	180.9
61°	221.3	243.9	210.0	206.8	212.9	178.8	234.9	240.0	164.9	119.7	163.2
62°	194.4	214.6	188.4	187.5	190.4	163.6	211.4	221.0	151.1	112.1	147.8
63°	172.6	188.9	169.1	169.7	172.0	150.7	193.0	201.3	137.3	105.1	134.6
64°	151.1	170.3	153.2	154.5	156.4	135.7	173.4	179.0	124.8	98.3	122.8
65°	133.7	152.1	139.6	141.1	141.2	122.2	154.9	158.9	113.4	91.5	111.4
66°	119.5	135.5	126.1	128.3	127.4	110.6	137.0	140.2	103.3	84.8	101.4
67°	107.1	120.7	113.5	116.0	114.2	100.4	120.1	122.8	93.2	78.3	91.5
68°	95.9	106.7	101.6	103.5	101.5	90.8	106.5	109.4	83.2	72.2	81.5
69°	85.4	93.5	90.0	91.3	89.7	81.4	92.9	96.0	75.4	66.3	73.0
70°	75.8	81.7	78.7	80.2	79.4	72.8	79.5	82.6	68.5	60.7	65.5
71°	67.1	71.6	68.9	70.0	70.2	65.1	70.1	73.5	62.2	55.4	58.2
72°	59.1	62.7	60.0	61.7	61.8	58.2	61.9	65.0	55.9	50.0	51.5
73°	51.3	54.3	51.9	54.2	54.5	51.6	54.3	56.9	49.9	44.8	45.2
74°	44.6	46.8	44.6	47.5	47.5	45.5	47.2	49.5	44.2	39.8	39.5
75°	38.7	40.4	38.5	41.4	41.6	39.9	40.7	42.4	38.6	34.9	33.9
76°	32.8	34.0	32.3	35.2	35.5	34.2	34.6	36.0	33.4	30.4	28.5
77°	26.9	27.6	26.2	29.0	29.3	28.6	29.4	30.6	28.7	26.0	23.9
78°	21.8	22.0	21.5	23.9	24.8	24.3	24.9	25.8	24.2	21.6	19.9
79°	16.8	17.4	17.6	19.7	20.5	20.1	20.6	21.3	20.2	17.9	16.5
80°	12.7	13.4	13.9	16.0	16.4	16.3	16.4	17.4	16.5	14.7	13.6
81°	9.5	10.0	10.5	12.9	13.4	13.4	13.4	14.2	13.1	11.9	11.0
82°	7.1	7.9	8.3	9.8	10.4	10.8	10.8	11.4	10.5	9.2	8.4
83°	5.0	5.5	5.6	6.8	7.4	7.9	8.3	8.5	7.8	6.4	5.9
84°	3.3	3.8	3.9	4.1	4.9	5.4	5.7	5.8	5.1	4.4	4.0
85°	1.5	2.2	2.3	2.5	3.1	3.9	3.7	3.7	3.3	2.7	2.5
86°	0.5	0.5	0.7	1.0	1.4	2.3	2.0	2.0	1.8	1.5	1.4
87°	0.2	0.2	0.2	0.3	0.5	0.7	0.7	0.8	0.8	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	0.3
89°	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1

REPORT NUMBER: P1440302

CATALOG NUMBER: XSF60-KNYK-6Hx6V-850-Position 4

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P1440302

CATALOG NUMBER: XSF60-KNYK-6Hx6V-850-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: P1440302
CATALOG NUMBER: XSF60-KNYK-6Hx6V-850-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: P1440302

CATALOG NUMBER: XSF60-KNYK-6Hx6V-850-Position 4

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	2640.9	2640.9	2640.9	2640.9	2640.9	2640.9	2640.9	2640.9	2640.9	2640.9	2640.9
1°	2639.8	2640.1	2640.9	2641.3	2641.2	2642.0	2641.2	2642.2	2643.3	2641.8	2641.8
2°	2637.7	2637.7	2638.6	2639.5	2640.6	2641.0	2641.4	2642.3	2641.5	2641.5	2641.2
3°	2632.6	2633.6	2635.3	2637.7	2639.4	2639.2	2641.2	2642.6	2640.4	2640.8	2640.3
4°	2625.1	2627.2	2629.2	2632.8	2635.1	2636.5	2638.3	2639.0	2639.5	2638.5	2639.5
5°	2616.9	2620.5	2624.2	2626.9	2630.1	2632.5	2634.9	2637.6	2636.5	2636.7	2637.4
6°	2608.9	2612.3	2616.3	2619.5	2624.1	2626.6	2629.0	2630.5	2631.0	2632.7	2633.4
7°	2599.6	2604.5	2609.1	2612.0	2615.9	2618.5	2621.0	2623.3	2624.3	2625.3	2626.3
8°	2589.4	2594.8	2599.4	2603.3	2607.8	2610.1	2612.3	2615.3	2616.8	2618.2	2617.2
9°	2576.2	2582.4	2588.1	2592.3	2597.4	2600.1	2602.2	2605.5	2608.0	2608.4	2607.3
10°	2560.8	2567.3	2573.7	2579.0	2585.4	2588.2	2591.5	2595.4	2596.6	2598.3	2598.2
11°	2542.9	2548.7	2555.1	2563.0	2570.8	2575.7	2579.3	2583.4	2585.9	2586.4	2587.5
12°	2522.7	2527.7	2536.3	2544.3	2551.9	2560.1	2564.7	2567.3	2569.7	2572.5	2574.0
13°	2497.6	2504.7	2513.4	2524.0	2532.1	2541.3	2544.7	2548.7	2552.0	2555.7	2557.9
14°	2469.1	2478.1	2486.9	2499.5	2510.0	2517.1	2522.8	2527.5	2532.2	2537.5	2540.6
15°	2437.0	2446.4	2456.8	2471.7	2484.9	2492.5	2496.6	2502.9	2508.4	2515.5	2519.8
16°	2402.2	2411.3	2423.4	2439.4	2454.5	2461.9	2467.5	2474.3	2482.4	2491.2	2494.9
17°	2363.4	2373.6	2387.0	2404.2	2420.1	2426.7	2434.0	2441.4	2451.3	2462.0	2468.4
18°	2321.7	2334.2	2349.1	2366.2	2380.6	2388.2	2394.5	2403.8	2415.6	2430.5	2437.1
19°	2278.2	2292.6	2308.4	2325.2	2337.4	2344.8	2351.0	2361.9	2375.7	2392.7	2401.0
20°	2230.8	2245.8	2263.5	2280.9	2289.8	2296.5	2303.8	2316.0	2332.4	2350.9	2362.1
21°	2180.5	2196.4	2214.0	2232.8	2240.3	2244.4	2251.6	2267.7	2285.1	2304.5	2318.5
22°	2133.1	2152.9	2168.3	2181.0	2185.5	2187.3	2198.8	2215.8	2233.2	2254.5	2271.2
23°	2086.8	2113.3	2127.4	2131.2	2128.5	2128.0	2142.4	2163.3	2181.7	2200.7	2219.5
24°	2043.9	2076.6	2089.3	2083.9	2068.7	2066.5	2085.6	2111.3	2129.5	2144.6	2163.0
25°	2006.8	2044.2	2052.7	2036.1	2009.5	2006.1	2028.2	2057.6	2078.6	2087.7	2105.8
26°	1969.6	2012.8	2018.7	1989.0	1950.7	1948.0	1973.6	2008.9	2028.4	2031.9	2049.2
27°	1932.7	1983.6	1984.5	1943.3	1893.8	1890.7	1922.7	1960.8	1979.4	1977.0	1991.0
28°	1895.6	1954.9	1951.0	1897.8	1840.6	1836.4	1874.2	1917.6	1932.4	1922.9	1932.0
29°	1860.4	1925.9	1917.5	1852.6	1788.4	1783.1	1826.7	1874.5	1885.0	1870.7	1876.0
30°	1827.3	1896.9	1884.4	1806.4	1736.4	1732.0	1782.4	1831.9	1840.6	1819.2	1819.1
31°	1793.6	1867.8	1851.6	1761.0	1685.9	1682.7	1739.0	1791.7	1798.2	1768.4	1765.0
32°	1760.8	1838.9	1820.0	1716.1	1637.1	1636.0	1696.4	1751.7	1756.4	1717.9	1711.9
33°	1727.5	1810.5	1786.9	1672.4	1590.1	1592.3	1654.2	1713.7	1714.1	1667.6	1661.3
34°	1693.3	1783.3	1752.2	1629.9	1543.8	1549.1	1613.3	1674.9	1674.3	1618.3	1610.5
35°	1657.6	1755.9	1716.7	1586.2	1497.9	1505.3	1570.7	1634.9	1633.4	1568.7	1560.3
36°	1620.0	1724.9	1678.2	1539.7	1451.4	1461.2	1526.9	1594.4	1590.8	1519.8	1510.9
37°	1578.2	1687.6	1635.8	1493.4	1403.5	1414.9	1483.8	1553.2	1545.9	1471.3	1462.1
38°	1529.6	1643.2	1588.9	1443.0	1353.4	1365.9	1439.6	1509.7	1498.3	1421.1	1413.5
39°	1474.8	1592.9	1535.5	1388.1	1300.9	1313.2	1392.2	1463.7	1448.6	1369.1	1362.5
40°	1413.3	1535.1	1475.0	1328.5	1243.4	1256.9	1339.5	1411.5	1395.0	1315.9	1311.1
41°	1347.3	1471.5	1406.2	1264.9	1183.0	1197.8	1281.8	1351.6	1334.2	1258.5	1256.0
42°	1275.8	1401.0	1330.1	1194.8	1119.7	1135.9	1219.3	1285.8	1267.2	1198.1	1196.2
43°	1202.3	1325.2	1250.7	1120.0	1053.1	1072.0	1152.1	1213.4	1192.8	1134.7	1130.6
44°	1132.0	1251.6	1172.3	1044.1	981.9	1004.1	1083.6	1138.1	1112.3	1066.2	1063.9

REPORT NUMBER: P1440302

CATALOG NUMBER: XSF60-KNYK-6Hx6V-850-Position 4

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	1061.9	1178.4	1093.5	969.4	916.5	934.5	1012.3	1062.5	1029.5	995.0	996.5
46°	996.0	1108.8	1021.3	901.3	851.1	865.0	944.0	988.7	944.7	921.5	929.7
47°	919.0	1026.7	940.6	833.1	785.6	795.4	875.6	921.8	870.9	850.4	865.4
48°	841.9	958.8	860.0	764.3	715.6	719.6	806.9	847.7	794.3	784.1	803.0
49°	764.9	890.9	779.8	672.4	623.4	627.4	721.7	773.0	715.7	713.2	727.4
50°	699.4	823.0	715.7	593.7	526.3	545.3	632.4	693.6	643.1	638.4	641.7
51°	639.7	757.0	670.9	529.1	438.9	475.5	554.1	621.6	584.2	562.8	554.9
52°	593.9	690.3	617.2	460.0	360.4	402.0	494.5	566.4	534.0	496.2	483.1
53°	568.4	654.4	590.8	427.9	317.4	355.4	457.8	527.6	486.7	443.8	434.1
54°	534.6	619.8	561.2	391.2	273.1	322.8	432.9	480.7	439.7	410.6	401.8
55°	498.9	574.8	512.1	350.0	229.5	294.1	413.8	438.0	399.2	377.5	369.9
56°	447.0	523.0	459.1	311.4	194.3	270.5	392.3	402.6	358.8	344.4	338.1
57°	398.2	467.4	411.7	274.6	172.0	252.5	363.3	367.3	318.5	321.6	309.5
58°	363.4	421.0	369.4	242.3	158.3	236.2	335.3	332.0	277.9	289.1	285.0
59°	325.9	383.7	331.0	217.8	146.4	212.1	317.7	304.6	257.8	261.5	261.9
60°	285.5	342.7	292.2	200.7	136.2	188.0	287.8	276.9	229.5	245.7	240.4
61°	253.2	300.7	257.4	178.4	127.1	170.2	255.1	246.6	196.5	223.2	219.6
62°	225.3	263.7	224.5	157.0	118.9	157.3	230.8	224.9	173.9	200.3	200.4
63°	198.8	230.2	198.4	139.9	111.3	144.0	212.3	206.3	154.5	177.9	182.8
64°	179.6	202.1	176.1	125.9	104.2	131.9	190.5	185.9	137.9	160.0	165.5
65°	160.9	176.8	157.1	113.5	97.1	120.0	170.0	166.4	125.1	145.4	149.6
66°	143.0	155.8	139.4	103.6	90.0	109.8	151.5	148.2	113.7	131.8	135.6
67°	126.7	136.1	124.3	93.6	83.4	99.6	134.1	131.4	103.7	118.7	122.5
68°	111.8	118.0	110.5	83.7	76.7	89.5	118.5	115.6	94.2	106.3	109.3
69°	97.0	102.4	96.7	75.3	70.7	81.4	105.9	101.3	85.1	94.5	96.2
70°	82.2	87.0	82.9	67.4	65.0	73.6	93.3	88.2	76.5	83.5	84.0
71°	70.6	75.4	72.0	59.9	59.4	66.3	80.8	77.2	68.2	73.2	73.3
72°	60.4	64.9	62.5	53.2	53.8	59.8	71.4	67.8	61.0	64.4	64.2
73°	51.7	55.1	53.8	47.0	48.2	53.7	63.1	59.3	54.3	56.6	56.4
74°	43.5	46.4	45.8	41.3	42.9	47.8	55.1	51.6	48.1	49.7	49.4
75°	36.5	38.9	38.4	35.8	37.7	42.0	47.6	44.7	41.9	43.2	42.8
76°	30.6	32.4	32.2	30.3	32.9	36.6	40.2	38.8	36.5	37.6	37.0
77°	25.5	27.0	26.9	25.5	28.3	31.3	33.9	32.9	31.0	32.1	31.1
78°	21.0	22.3	22.3	21.4	23.8	26.4	28.6	27.1	26.2	26.5	25.3
79°	17.1	18.2	18.2	17.9	19.8	22.3	24.0	22.8	22.2	22.3	21.1
80°	13.8	14.5	14.6	14.7	16.4	18.5	19.8	18.4	18.3	18.2	17.3
81°	11.2	11.9	11.9	12.0	13.3	14.9	16.2	14.6	14.6	14.6	13.9
82°	8.7	9.3	9.2	9.4	10.7	12.0	12.8	11.8	11.8	11.5	10.7
83°	6.1	6.7	6.5	6.7	8.1	9.1	10.1	9.2	8.9	8.5	7.6
84°	4.2	4.5	4.5	4.7	5.5	6.2	7.3	6.8	6.4	5.9	4.8
85°	2.6	2.8	2.9	3.0	3.6	4.2	4.6	4.5	4.2	4.2	3.1
86°	1.3	1.5	1.5	1.7	1.9	2.6	2.8	3.0	2.8	2.5	1.4
87°	0.6	0.6	0.7	0.7	0.9	1.3	1.5	1.4	1.4	0.9	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: P1440302

CATALOG NUMBER: XSF60-KNYK-6Hx6V-850-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: P1440302

CATALOG NUMBER: XSF60-KNYK-6Hx6V-850-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: P1440302
CATALOG NUMBER: XSF60-KNYK-6Hx6V-850-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: P1440302

CATALOG NUMBER: XSF60-KNYK-6Hx6V-850-Position 4

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	2640.9	2640.9	2640.9
1°	2641.4	2641.1	2640.3
2°	2640.9	2640.7	2639.7
3°	2640.9	2639.8	2638.0
4°	2639.1	2637.3	2634.2
5°	2635.1	2632.9	2629.1
6°	2630.2	2627.1	2622.3
7°	2622.5	2619.1	2613.6
8°	2614.2	2611.4	2606.5
9°	2606.7	2602.3	2597.4
10°	2596.6	2594.4	2586.4
11°	2585.4	2581.5	2573.6
12°	2571.9	2566.5	2557.4
13°	2556.1	2550.1	2539.3
14°	2537.2	2530.8	2519.3
15°	2516.9	2509.4	2495.6
16°	2492.2	2483.0	2467.5
17°	2464.2	2453.3	2435.0
18°	2433.7	2419.2	2400.2
19°	2399.1	2383.2	2361.9
20°	2360.1	2343.7	2322.0
21°	2318.3	2303.6	2281.2
22°	2273.1	2260.1	2238.8
23°	2223.4	2214.0	2193.1
24°	2171.4	2166.6	2147.5
25°	2119.9	2117.7	2104.9
26°	2067.0	2073.9	2066.2
27°	2015.7	2033.5	2029.7
28°	1964.3	1993.8	1994.3
29°	1916.7	1955.4	1962.3
30°	1867.1	1917.6	1932.7
31°	1818.9	1880.6	1901.8
32°	1774.1	1845.9	1871.8
33°	1729.2	1811.9	1844.0
34°	1684.7	1778.9	1816.2
35°	1638.4	1746.3	1787.7
36°	1595.2	1715.8	1758.9
37°	1553.1	1682.7	1727.8
38°	1506.1	1646.6	1692.9
39°	1454.4	1602.6	1650.6
40°	1398.6	1548.7	1598.3
41°	1338.6	1489.3	1542.1
42°	1272.0	1425.8	1475.7
43°	1205.3	1357.6	1402.2
44°	1137.1	1284.9	1325.3

REPORT NUMBER: P1440302

CATALOG NUMBER: XSF60-KNYK-6Hx6V-850-Position 4

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	1066.0	1204.4	1238.5
46°	994.3	1122.5	1149.8
47°	922.0	1041.8	1063.0
48°	850.8	962.7	980.4
49°	776.9	877.3	893.3
50°	690.0	789.4	811.8
51°	598.5	690.9	749.4
52°	518.6	619.9	677.0
53°	471.6	548.5	578.8
54°	426.0	490.2	527.0
55°	395.4	450.8	480.9
56°	364.9	410.5	424.9
57°	334.4	370.1	373.7
58°	303.9	329.8	322.6
59°	276.1	298.5	286.7
60°	249.7	263.7	252.8
61°	227.5	232.8	221.3
62°	205.5	209.5	194.4
63°	183.5	187.7	172.6
64°	164.0	167.5	151.1
65°	147.0	149.3	133.7
66°	129.2	133.1	119.5
67°	112.5	119.5	107.1
68°	98.9	106.5	95.9
69°	86.9	94.7	85.4
70°	77.0	83.3	75.8
71°	67.7	73.5	67.1
72°	59.5	64.7	59.1
73°	52.1	56.0	51.3
74°	45.1	48.1	44.6
75°	39.1	41.7	38.7
76°	33.2	35.3	32.8
77°	27.3	28.9	26.9
78°	22.6	23.4	21.8
79°	18.7	18.4	16.8
80°	15.0	14.3	12.7
81°	11.4	10.7	9.5
82°	8.5	7.8	7.1
83°	6.1	5.7	5.0
84°	4.4	4.0	3.3
85°	2.6	2.3	1.5
86°	0.9	0.6	0.5
87°	0.2	0.2	0.2
88°	0.1	0.1	0.1
89°	0.0	0.0	0.0

REPORT NUMBER: P1440302

CATALOG NUMBER: XSF60-KNYK-6Hx6V-850-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: P1440302

CATALOG NUMBER: XSF60-KNYK-6Hx6V-850-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: P1440302

CATALOG NUMBER: XSF60-KNYK-6Hx6V-850-Position 4

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)