

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: P1440288

Luminaire Tested: XSF60-KNYK-5Hx5V-850-Position 2

Issue Date: 04/15/2026

Test Information

Test Method: LM-79-2024
Report Number: P1440288
Test Lab: THIRD PARTY NVLAP
Issue Date: 7/15/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XSF60-KNYK-5Hx5V-850-Position 2
Description: LUMARK ALL SELECTABLE LUMINAIRE 60W w/ NEMA 5 FLOOD DISTRIBUTION 5000K CCT 80 CRI LIGHT ENGINE AT Position 2
Light Source: (1) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

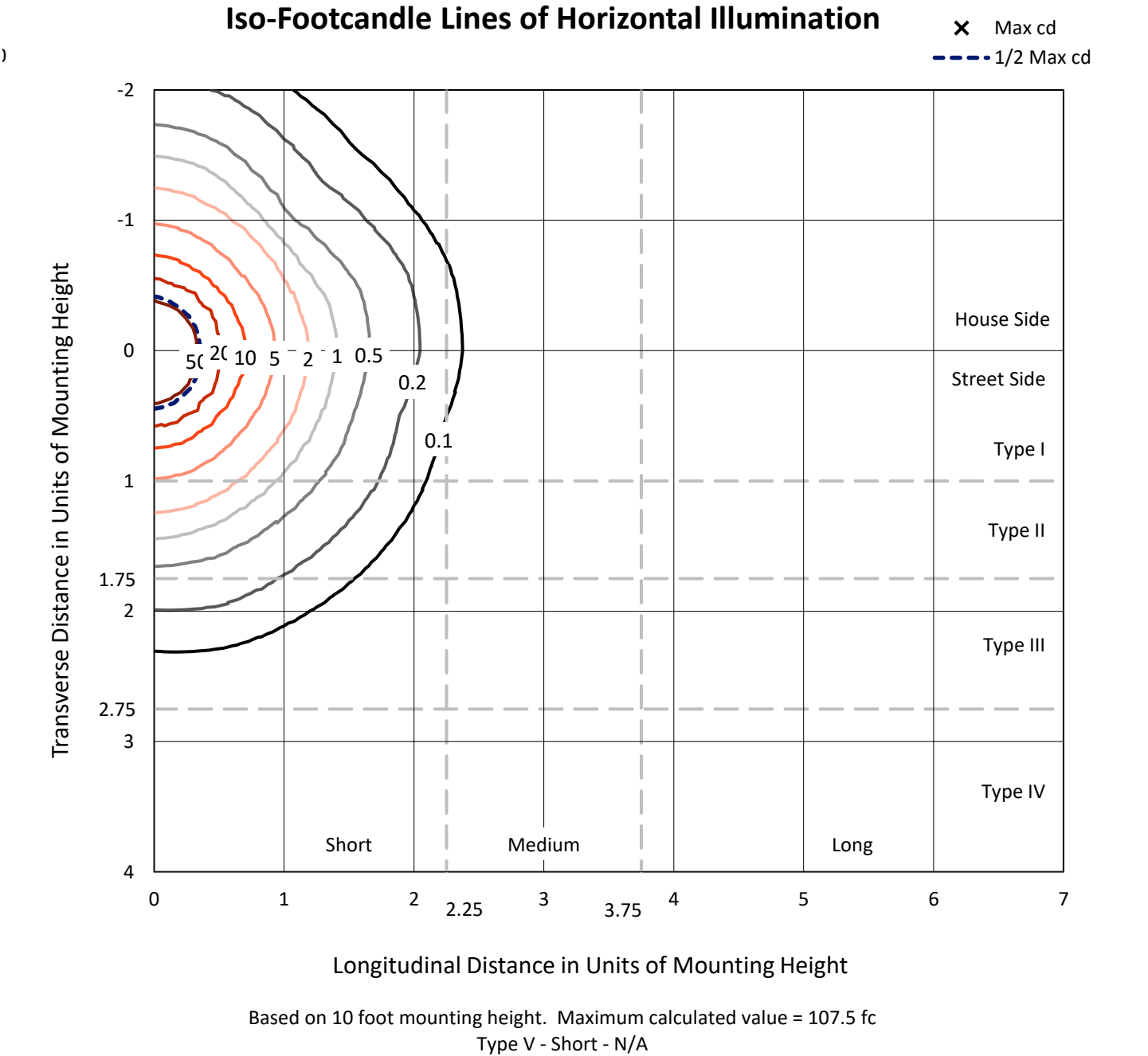
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7943.9 lumens
Efficiency: N/A
Efficacy: 169.0 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): 47
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



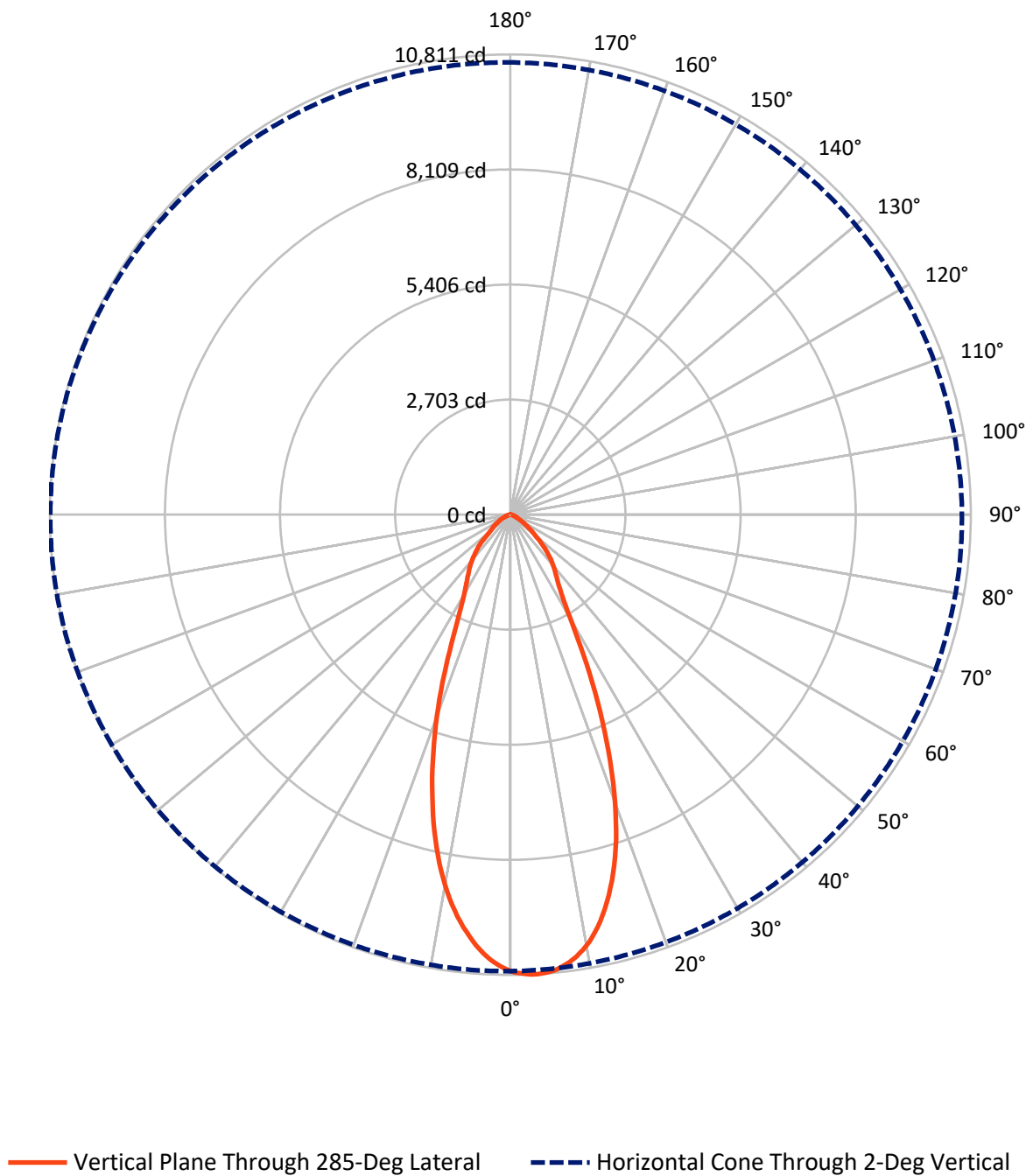
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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3859.7	0.0	3859.7
	% Fixture	48.6	0.0	48.6
Street Side	Lumens	4084.3	0.0	4084.3
	% Fixture	51.4	0.0	51.4
Total	Lumens	7943.9	0.0	7943.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	966.8	12.2
10°-20°	2285.1	28.8
20°-30°	1939.7	24.4
30°-40°	1186.2	14.9
40°-50°	865.0	10.9
50°-60°	429.5	5.4
60°-70°	193.4	2.4
70°-80°	69.5	0.9
80°-90°	8.8	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°	7943.9	100.0
0°-180°	7943.9	100.0

Coefficient of Utilization



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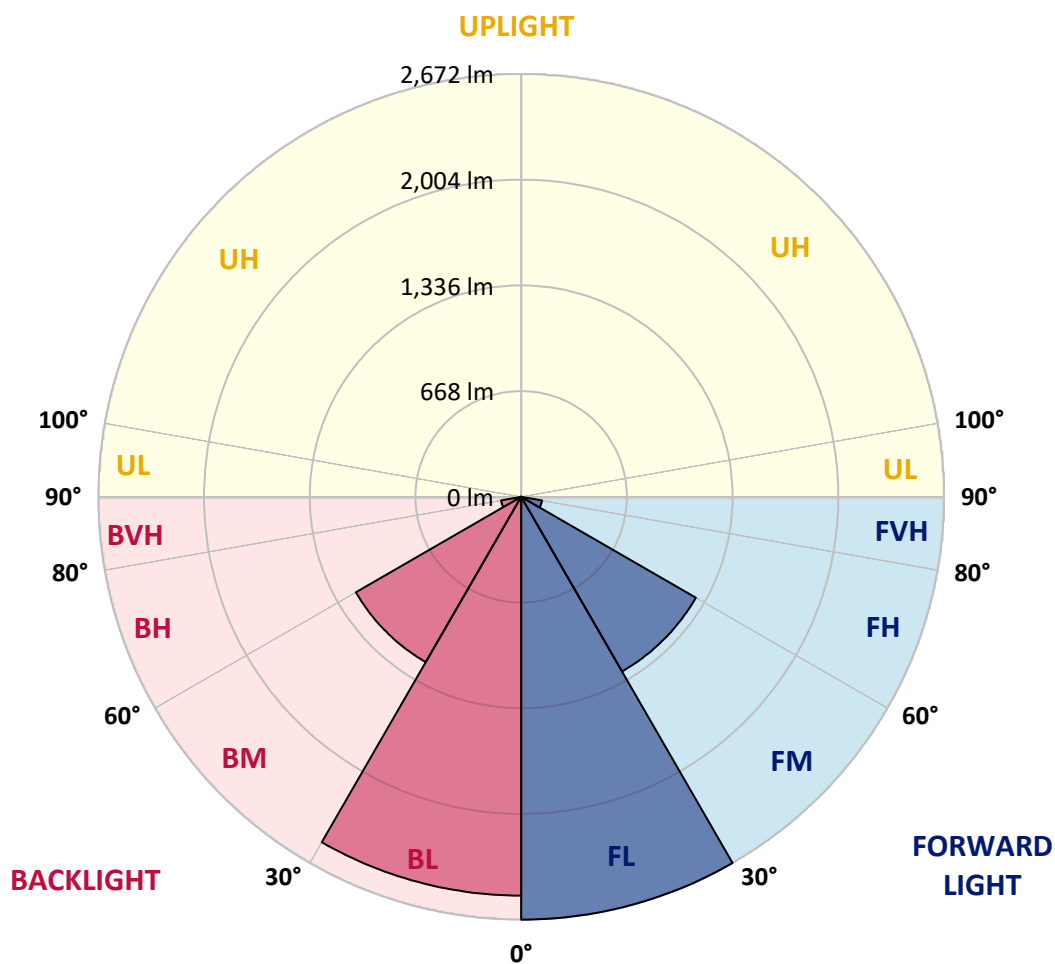
CATALOG NUMBER: XSF60-KNYK-5Hx5V-850-Position 2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2671.8	33.6			
FM	(30°-60°)	1274.8	16.0			
FH	(60°-80°)	133.5	1.7			G0/660
FVH	(80°-90°)	4.2	0.1			G0/10
BL	(0°-30°)	2519.8	31.7	B4/5000		
BM	(30°-60°)	1206.0	15.2	B2/2500		
BH	(60°-80°)	129.3	1.6	B1/500		G0/660
BVH	(80°-90°)	4.6	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	10752.3	10752.3	10752.3	10752.3	10752.3	10752.3	10752.3	10752.3	10752.3	10752.3	10752.3
1°	10763.2	10747.2	10732.8	10721.0	10709.2	10699.9	10689.7	10678.7	10677.9	10680.4	10687.2
2°	10723.5	10694.0	10673.7	10657.6	10641.6	10621.3	10604.4	10587.5	10581.6	10584.1	10585.0
3°	10649.2	10613.7	10583.3	10559.6	10535.9	10512.3	10486.9	10470.0	10459.1	10458.2	10463.3
4°	10545.2	10496.2	10459.9	10436.2	10405.8	10381.3	10346.7	10325.6	10316.3	10317.1	10323.9
5°	10420.2	10372.9	10328.1	10289.2	10252.9	10224.2	10183.6	10157.4	10148.1	10156.6	10173.5
6°	10285.8	10232.6	10181.9	10129.5	10077.1	10036.6	9990.1	9959.7	9957.1	9980.0	10018.0
7°	10153.2	10092.3	10027.3	9953.8	9880.3	9827.9	9782.2	9751.0	9751.8	9789.0	9852.4
8°	10034.9	9958.8	9870.1	9768.7	9669.9	9600.6	9541.4	9516.9	9532.1	9590.4	9685.9
9°	9913.2	9824.5	9707.0	9570.1	9440.0	9349.6	9279.5	9260.0	9286.2	9371.6	9504.2
10°	9783.9	9678.3	9531.3	9362.3	9200.0	9084.3	8992.2	8979.5	9024.3	9138.4	9298.1
11°	9633.5	9516.9	9339.5	9140.1	8941.5	8791.1	8688.8	8676.2	8744.6	8882.3	9075.0
12°	9453.5	9320.0	9132.5	8895.9	8671.9	8487.7	8358.6	8354.1	8440.1	8606.9	8817.3
13°	9239.8	9097.0	8889.1	8629.7	8376.5	8155.7	8004.9	8005.6	8115.5	8304.0	8529.1
14°	8997.3	8833.3	8607.7	8341.6	8054.5	7804.8	7635.1	7638.5	7770.8	7975.0	8210.7
15°	8729.4	8553.6	8288.2	8023.0	7719.6	7436.9	7244.4	7256.9	7398.8	7620.6	7860.0
16°	8449.7	8235.7	7954.7	7681.0	7354.7	7052.6	6846.8	6855.1	7008.0	7248.3	7485.0
17°	8154.1	7905.6	7601.2	7313.1	6967.6	6650.2	6444.2	6454.8	6606.7	6847.1	7092.4
18°	7846.2	7569.5	7235.8	6925.8	6569.4	6248.7	6044.8	6043.2	6193.9	6434.1	6685.2
19°	7527.2	7219.7	6852.7	6515.4	6158.7	5839.7	5645.7	5641.9	5777.3	5995.7	6259.7
20°	7190.1	6846.7	6453.1	6099.1	5748.5	5441.2	5249.2	5242.2	5359.4	5548.7	5810.8
21°	6814.9	6439.4	6029.2	5677.1	5331.0	5040.6	4850.1	4839.2	4938.1	5098.0	5341.2
22°	6396.3	6018.7	5597.0	5249.3	4919.8	4637.3	4458.9	4441.6	4530.6	4653.3	4871.2
23°	5940.5	5561.3	5153.6	4814.6	4503.4	4239.2	4072.3	4046.9	4118.6	4219.3	4407.6
24°	5457.0	5093.9	4712.0	4388.3	4099.6	3857.6	3703.0	3674.6	3723.9	3799.2	3972.5
25°	4971.9	4640.4	4285.4	3982.4	3714.1	3503.7	3372.4	3329.3	3356.4	3413.9	3569.4
26°	4481.5	4188.7	3869.8	3592.4	3356.4	3185.4	3078.4	3030.5	3027.2	3072.0	3203.4
27°	4007.9	3764.3	3485.0	3235.3	3041.8	2914.6	2830.0	2778.4	2752.2	2774.8	2894.0
28°	3565.6	3370.4	3139.0	2923.5	2766.0	2680.3	2619.3	2563.4	2522.3	2531.3	2629.6
29°	3187.7	3034.5	2842.4	2658.9	2538.9	2482.9	2442.6	2386.6	2332.8	2329.1	2416.4
30°	2875.5	2750.2	2594.3	2436.1	2344.1	2318.3	2295.7	2237.9	2179.9	2165.3	2241.0
31°	2630.2	2528.8	2387.7	2249.7	2182.3	2181.7	2171.6	2116.7	2051.9	2030.6	2102.3
32°	2438.8	2350.1	2217.1	2099.1	2049.5	2066.4	2068.3	2010.1	1945.8	1918.9	1986.6
33°	2292.0	2210.2	2079.5	1970.8	1936.9	1967.9	1977.1	1918.9	1854.7	1821.8	1888.5
34°	2175.7	2099.2	1966.2	1861.9	1837.1	1881.2	1898.7	1838.4	1772.8	1739.2	1806.4
35°	2081.8	2006.2	1870.9	1766.2	1749.1	1801.0	1823.7	1762.9	1696.8	1662.4	1732.6
36°	2003.7	1927.0	1788.6	1679.5	1670.4	1728.2	1752.5	1692.7	1626.7	1592.7	1663.7
37°	1936.3	1855.5	1715.0	1603.8	1598.5	1658.4	1684.3	1628.0	1556.5	1522.9	1599.2
38°	1873.8	1786.8	1647.4	1534.9	1531.3	1590.2	1619.5	1563.2	1486.4	1453.1	1534.7
39°	1810.2	1718.5	1581.9	1467.7	1464.0	1521.3	1554.7	1498.3	1415.6	1381.1	1470.2
40°	1741.9	1650.1	1513.1	1398.8	1396.9	1448.5	1489.8	1428.6	1347.0	1310.8	1400.6
41°	1670.8	1579.7	1440.4	1329.2	1327.9	1374.9	1415.5	1360.2	1274.4	1241.7	1329.2
42°	1594.0	1505.0	1365.6	1259.2	1257.1	1296.3	1337.6	1286.3	1201.4	1171.7	1257.1
43°	1513.3	1425.9	1292.0	1186.9	1185.7	1215.2	1260.6	1215.7	1127.0	1099.7	1185.0
44°	1428.7	1343.6	1216.5	1117.0	1114.2	1136.8	1184.3	1145.2	1052.4	1029.2	1117.6

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CATALOG NUMBER: XSF60-KNYK-5Hx5V-850-Position 2

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	1336.7	1260.4	1141.8	1047.4	1046.3	1063.4	1111.6	1076.9	982.1	962.2	1051.7
46°	1243.4	1178.9	1067.2	979.9	979.7	991.2	1033.0	1002.0	910.8	904.4	989.9
47°	1152.8	1098.0	994.4	913.4	905.2	912.2	949.2	913.1	822.4	839.2	921.7
48°	1068.2	1020.4	917.6	838.3	827.7	838.3	870.2	823.8	733.7	759.5	838.0
49°	978.5	934.1	827.2	757.7	757.7	765.4	796.2	737.1	655.1	679.9	745.2
50°	895.9	844.2	751.1	678.5	687.8	703.4	731.3	661.7	572.7	580.2	662.4
51°	831.1	746.9	675.5	599.3	617.9	641.7	678.9	608.5	509.5	501.4	582.6
52°	750.7	679.5	600.0	544.7	564.5	592.6	632.4	568.5	464.8	437.4	526.0
53°	678.0	612.2	540.5	503.6	513.7	539.9	589.7	535.9	425.9	386.9	490.6
54°	605.6	566.4	498.9	475.9	467.0	487.0	541.5	509.9	393.1	338.1	452.4
55°	555.4	507.5	455.5	445.1	430.5	442.1	498.8	478.2	363.0	296.0	409.6
56°	498.0	457.6	418.8	408.6	405.5	408.0	462.4	448.1	334.6	262.4	365.8
57°	442.9	417.8	382.8	376.9	382.9	376.4	425.4	416.0	312.1	239.7	329.1
58°	389.6	379.4	350.6	346.9	351.9	340.4	389.1	392.7	289.9	223.2	296.6
59°	352.4	350.2	322.8	317.1	327.4	310.1	356.8	358.6	262.6	208.3	269.8
60°	315.3	329.5	297.7	289.9	301.2	272.4	329.6	324.4	241.4	194.8	247.0
61°	281.9	300.9	270.2	266.2	273.2	242.0	300.5	301.5	228.1	183.7	225.7
62°	252.0	269.4	245.0	243.8	248.5	224.2	274.6	280.0	211.3	172.5	207.6
63°	226.9	241.7	223.8	223.6	227.6	208.8	254.6	258.3	195.1	161.4	192.2
64°	203.2	221.2	205.6	205.9	209.3	191.1	233.7	233.4	179.8	151.7	177.8
65°	183.1	200.1	190.0	189.8	191.4	175.2	213.1	211.1	164.5	142.6	163.4
66°	166.3	181.3	174.4	174.5	174.6	160.8	193.5	191.1	151.0	133.3	150.1
67°	150.9	164.4	159.6	159.8	158.4	148.3	173.9	171.0	137.8	124.1	136.7
68°	136.4	147.9	144.6	144.9	142.7	136.0	154.4	151.0	125.0	115.4	123.6
69°	123.1	132.6	129.2	129.8	127.9	123.5	137.5	134.8	113.5	106.4	112.7
70°	110.2	117.9	115.4	115.8	114.0	111.8	124.0	121.1	103.0	97.8	108.5
71°	98.8	104.9	105.1	102.8	101.5	101.0	119.2	108.6	93.4	89.1	103.1
72°	87.7	93.1	103.0	91.2	90.1	90.9	106.5	96.8	84.3	80.7	92.7
73°	77.4	82.1	92.3	80.7	79.7	81.0	91.8	85.7	75.3	71.9	79.4
74°	68.4	72.1	78.2	71.3	70.5	71.9	78.7	75.3	66.8	63.7	68.6
75°	59.5	62.1	67.0	62.0	61.4	62.9	67.8	65.4	58.7	56.0	59.3
76°	50.5	52.1	55.9	52.7	52.3	53.9	58.6	56.5	50.9	48.5	50.7
77°	42.9	43.6	44.8	44.2	44.5	45.9	50.5	48.2	43.7	41.4	43.1
78°	35.4	35.3	37.4	36.8	37.6	38.7	43.5	40.6	37.0	34.4	36.2
79°	27.9	28.2	30.9	30.2	31.1	32.0	36.6	33.6	30.9	28.2	30.3
80°	21.8	21.9	24.6	24.4	24.9	25.9	29.8	27.3	25.1	22.9	24.8
81°	16.6	16.6	18.6	19.4	20.2	21.0	24.2	22.6	20.5	18.6	20.0
82°	12.3	12.6	14.2	14.5	15.5	16.5	19.6	17.8	15.9	14.4	15.3
83°	8.8	8.9	9.7	10.1	11.2	12.3	14.9	13.1	11.3	10.1	10.6
84°	6.2	6.2	6.8	7.3	8.2	9.0	10.3	9.6	8.4	7.4	7.3
85°	3.6	3.6	4.0	4.6	5.3	6.1	6.5	6.6	5.6	4.8	4.5
86°	0.9	1.0	1.1	1.8	2.4	3.6	3.5	3.5	3.0	2.6	2.3
87°	0.3	0.3	0.3	0.4	0.8	1.2	1.3	1.3	1.2	1.1	1.0
88°	0.1	0.1	0.1	0.1	0.2	0.3	0.3	0.4	0.4	0.4	0.5
89°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2

REPORT NUMBER: P1440288

CATALOG NUMBER: XSF60-KNYK-5Hx5V-850-Position 2

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1440288

CATALOG NUMBER: XSF60-KNYK-5Hx5V-850-Position 2

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
136°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
138°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
139°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
141°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
143°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
144°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
146°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
148°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
149°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
151°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
153°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
154°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
156°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
158°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
159°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
161°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
163°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
164°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
166°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
168°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
169°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
171°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
173°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
174°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
176°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
178°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
179°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1440288
CATALOG NUMBER: XSF60-KNYK-5Hx5V-850-Position 2

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1440288

CATALOG NUMBER: XSF60-KNYK-5Hx5V-850-Position 2

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	10752.3	10752.3	10752.3	10752.3	10752.3	10752.3	10752.3	10752.3	10752.3	10752.3	10752.3
1°	10695.6	10713.4	10721.0	10739.6	10752.3	10767.5	10779.3	10785.2	10783.5	10790.3	10792.8
2°	10599.3	10623.8	10648.3	10681.3	10720.2	10754.8	10785.2	10803.0	10811.4	10805.5	10797.0
3°	10480.2	10504.7	10543.6	10592.6	10653.4	10712.5	10771.7	10796.2	10809.7	10798.7	10772.5
4°	10344.1	10374.6	10420.2	10481.9	10568.1	10652.6	10737.1	10775.1	10793.7	10764.9	10715.1
5°	10204.7	10239.4	10286.7	10356.8	10461.6	10573.1	10679.6	10737.9	10756.5	10710.9	10639.0
6°	10065.3	10100.8	10149.0	10231.8	10344.1	10475.1	10603.5	10679.6	10691.4	10638.2	10542.7
7°	9918.3	9969.8	10023.1	10103.3	10219.1	10360.2	10505.5	10593.4	10604.4	10539.3	10434.6
8°	9777.2	9843.1	9902.2	9983.3	10094.0	10235.1	10386.4	10486.1	10499.6	10425.3	10310.3
9°	9625.9	9704.5	9780.5	9861.7	9964.7	10094.0	10245.3	10347.5	10361.0	10287.5	10173.5
10°	9447.6	9544.8	9634.4	9729.8	9821.1	9933.5	10073.7	10181.1	10198.8	10127.8	10039.1
11°	9245.7	9355.5	9464.5	9576.9	9669.9	9751.0	9871.8	9976.6	10001.9	9945.3	9890.4
12°	9008.2	9126.5	9254.1	9399.5	9496.6	9554.9	9644.5	9740.8	9772.9	9742.5	9729.8
13°	8732.8	8857.0	9008.2	9190.8	9302.3	9324.3	9395.2	9481.4	9515.2	9514.4	9549.9
14°	8425.4	8566.3	8727.7	8946.6	9070.8	9080.9	9115.6	9193.3	9231.3	9265.1	9346.2
15°	8097.8	8259.7	8432.8	8668.6	8813.9	8808.8	8816.4	8873.0	8928.8	8993.0	9114.7
16°	7754.5	7948.5	8119.7	8354.1	8503.8	8496.2	8489.4	8522.4	8593.4	8699.8	8851.1
17°	7402.7	7637.2	7810.1	8012.9	8157.3	8160.6	8129.5	8139.2	8230.5	8370.0	8538.4
18°	7027.1	7311.5	7486.5	7652.3	7775.8	7789.9	7739.3	7729.8	7832.8	8021.7	8188.6
19°	6624.3	6949.6	7141.8	7271.8	7359.5	7382.6	7317.3	7293.5	7412.5	7631.2	7793.7
20°	6186.6	6543.2	6750.6	6860.7	6908.7	6943.4	6869.1	6837.3	6961.4	7202.1	7373.8
21°	5717.9	6085.3	6310.6	6405.1	6429.3	6482.5	6400.5	6370.7	6497.8	6750.1	6918.3
22°	5228.3	5596.5	5831.1	5913.1	5938.0	5995.9	5924.4	5898.6	6030.6	6274.8	6443.9
23°	4743.0	5094.0	5329.4	5393.2	5420.2	5497.2	5442.9	5427.7	5554.9	5789.1	5942.7
24°	4267.8	4593.6	4809.3	4884.4	4916.3	4993.1	4961.8	4954.7	5086.6	5294.8	5435.6
25°	3830.0	4105.5	4313.9	4384.2	4413.7	4513.8	4485.4	4490.4	4624.7	4811.9	4930.0
26°	3423.4	3652.5	3835.2	3912.4	3944.2	4024.7	4016.5	4035.5	4165.6	4330.6	4440.9
27°	3076.5	3266.7	3422.2	3495.4	3516.9	3582.3	3581.3	3610.0	3731.7	3878.0	3973.3
28°	2783.5	2936.4	3055.1	3118.1	3132.6	3173.8	3185.4	3220.9	3322.9	3450.7	3540.4
29°	2553.0	2684.1	2770.3	2809.0	2805.0	2823.1	2844.9	2892.3	2972.5	3071.0	3152.8
30°	2371.8	2485.0	2541.1	2550.5	2529.5	2534.7	2569.8	2624.2	2681.8	2744.4	2812.0
31°	2228.1	2334.7	2371.0	2348.7	2308.5	2307.9	2353.8	2413.0	2452.7	2478.6	2536.8
32°	2114.9	2214.1	2230.6	2183.7	2133.6	2127.5	2182.7	2245.6	2271.9	2272.8	2311.3
33°	2022.1	2116.6	2124.1	2053.8	1989.1	1987.0	2045.6	2112.8	2126.1	2104.8	2131.6
34°	1942.1	2039.3	2030.9	1947.2	1874.8	1872.0	1935.4	2004.4	2010.4	1971.1	1988.1
35°	1873.1	1973.0	1951.9	1856.0	1775.2	1776.0	1841.4	1912.0	1913.5	1861.4	1868.7
36°	1809.8	1913.2	1881.9	1774.9	1689.6	1692.1	1760.2	1834.0	1829.4	1766.8	1770.2
37°	1748.1	1854.7	1815.2	1701.3	1619.2	1622.8	1688.7	1762.0	1751.9	1683.4	1684.4
38°	1683.5	1793.3	1749.5	1634.4	1548.7	1553.6	1625.2	1697.1	1680.6	1607.6	1608.2
39°	1616.6	1729.7	1682.3	1567.7	1478.3	1484.3	1561.8	1632.9	1613.4	1536.2	1536.7
40°	1549.7	1662.2	1608.8	1500.8	1406.6	1414.0	1498.3	1566.1	1542.7	1465.9	1466.6
41°	1482.7	1591.8	1535.4	1427.8	1335.1	1343.7	1429.2	1495.7	1470.5	1396.1	1397.8
42°	1403.8	1521.3	1461.5	1349.4	1262.9	1272.4	1356.8	1422.0	1393.3	1323.9	1327.0
43°	1326.7	1443.1	1377.5	1270.7	1188.9	1201.0	1282.8	1342.2	1311.2	1252.1	1254.4
44°	1250.5	1363.7	1294.2	1188.2	1112.8	1127.5	1208.5	1261.5	1225.0	1177.0	1182.2

REPORT NUMBER: P1440288

CATALOG NUMBER: XSF60-KNYK-5Hx5V-850-Position 2

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	1178.2	1286.8	1211.0	1107.8	1036.4	1048.6	1132.8	1182.5	1137.3	1101.3	1109.8
46°	1107.4	1212.5	1135.6	1033.1	964.8	972.3	1059.2	1106.1	1050.8	1023.3	1039.1
47°	1029.4	1128.7	1058.6	966.5	898.4	899.0	986.3	1036.2	973.8	948.6	971.1
48°	940.2	1042.0	966.9	884.2	824.9	820.4	907.5	960.5	894.0	878.3	905.3
49°	859.6	963.1	877.6	790.5	732.0	726.2	821.6	882.2	813.0	804.9	827.7
50°	791.5	909.6	811.2	706.5	633.3	642.8	730.5	801.0	751.4	730.9	753.5
51°	728.5	841.6	762.3	637.4	542.3	570.5	649.8	742.2	689.9	656.9	666.3
52°	678.2	771.8	705.5	561.6	461.0	494.7	588.3	683.6	628.4	583.0	578.8
53°	648.3	731.8	673.8	524.3	414.4	446.1	548.5	625.0	576.9	529.4	527.5
54°	610.8	695.0	640.3	481.8	365.8	410.4	519.6	572.8	525.6	486.2	488.3
55°	572.4	646.8	588.7	436.3	318.2	378.1	496.3	525.3	477.3	449.7	451.5
56°	518.1	592.3	533.0	393.2	279.1	351.5	471.4	486.2	436.0	421.4	418.5
57°	466.7	535.2	481.9	352.5	252.5	330.0	438.6	444.1	394.1	395.3	386.6
58°	428.8	486.0	436.5	315.9	234.4	310.2	406.5	404.9	351.5	359.2	357.5
59°	388.2	446.5	394.3	287.7	218.5	283.0	384.9	374.3	328.1	329.5	329.8
60°	345.7	403.7	352.7	266.4	204.4	255.3	352.3	342.9	296.1	310.5	304.4
61°	310.9	359.1	314.6	241.0	191.2	234.4	316.4	310.0	260.6	284.9	280.2
62°	281.0	320.0	280.0	216.8	179.5	218.1	289.7	285.8	234.9	258.9	257.2
63°	252.7	284.1	252.0	197.3	167.9	202.0	268.8	264.5	212.7	234.2	236.4
64°	231.2	253.6	227.3	181.5	157.9	186.9	244.8	243.0	193.7	213.5	216.7
65°	210.1	226.0	206.4	165.7	148.4	171.8	222.4	222.8	178.5	196.0	198.6
66°	190.7	203.1	187.9	153.1	139.1	156.7	202.1	203.8	164.6	179.3	182.3
67°	171.3	180.3	169.5	140.6	129.7	143.8	182.5	185.3	152.2	163.7	166.8
68°	151.9	157.6	151.1	128.0	120.5	132.3	163.0	167.4	140.2	148.5	151.3
69°	135.1	138.1	134.6	116.2	111.7	120.7	146.7	150.6	128.5	133.8	135.7
70°	118.3	121.2	119.5	106.7	103.0	109.6	131.5	134.6	117.1	119.8	121.1
71°	103.7	106.6	105.6	100.2	94.3	99.1	118.0	120.5	106.0	106.3	107.8
72°	90.7	93.5	93.2	95.6	85.6	89.6	105.6	111.1	95.8	94.6	96.0
73°	78.8	81.2	81.5	84.5	76.9	80.6	93.9	101.8	86.1	83.9	85.0
74°	67.7	70.0	70.4	71.8	68.3	71.8	82.8	87.8	76.8	74.7	75.5
75°	57.7	60.0	60.1	61.6	60.1	63.5	72.2	74.8	68.0	65.4	65.7
76°	49.1	51.1	51.2	52.4	52.4	55.5	62.0	64.5	59.3	56.2	55.8
77°	41.4	43.2	43.2	44.6	44.9	47.8	53.2	54.1	50.6	48.1	47.4
78°	34.4	36.2	36.0	37.7	37.6	40.5	45.1	46.0	42.9	40.8	39.6
79°	28.2	29.9	29.5	31.8	31.1	34.2	37.9	38.9	36.1	34.4	32.8
80°	22.7	24.2	23.8	26.1	25.4	28.3	31.2	31.8	29.5	28.1	26.8
81°	18.8	20.1	19.6	21.3	20.9	23.2	25.2	25.7	23.4	22.5	21.4
82°	14.8	15.9	15.4	16.5	16.3	18.2	20.6	20.7	18.6	17.6	16.2
83°	10.9	11.8	11.3	11.7	11.8	13.2	16.1	16.1	14.0	13.1	11.5
84°	8.7	9.6	9.2	8.5	9.4	10.3	11.5	11.7	10.7	9.7	7.9
85°	6.3	6.8	6.6	5.3	6.7	7.6	8.4	7.8	8.0	6.9	5.3
86°	3.2	3.5	3.7	2.8	3.9	4.8	5.2	5.0	5.1	4.2	2.7
87°	1.1	1.2	1.3	1.2	1.6	2.0	2.3	2.2	2.2	1.5	0.8
88°	0.5	0.5	0.5	0.5	0.6	0.7	0.8	0.6	0.6	0.4	0.2
89°	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.1	0.1

REPORT NUMBER: P1440288

CATALOG NUMBER: XSF60-KNYK-5Hx5V-850-Position 2

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
94°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
96°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
101°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
104°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
106°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
108°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
109°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
111°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
114°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
116°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
118°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
119°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
121°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
123°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
124°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
126°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
128°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
129°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
131°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
133°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
134°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1440288

CATALOG NUMBER: XSF60-KNYK-5Hx5V-850-Position 2

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
136°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
138°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
139°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
141°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
143°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
144°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
146°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
148°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
149°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
151°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
153°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
154°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
156°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
158°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
159°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
161°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
163°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
164°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
166°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
168°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
169°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
171°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
173°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
174°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
176°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
178°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
179°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1440288
CATALOG NUMBER: XSF60-KNYK-5Hx5V-850-Position 2

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1440288

CATALOG NUMBER: XSF60-KNYK-5Hx5V-850-Position 2

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	10752.3	10752.3	10752.3
1°	10780.1	10775.9	10763.2
2°	10772.5	10747.2	10723.5
3°	10728.6	10686.4	10649.2
4°	10650.0	10590.0	10545.2
5°	10550.3	10472.6	10420.2
6°	10437.9	10347.5	10285.8
7°	10314.6	10220.8	10153.2
8°	10188.7	10097.4	10034.9
9°	10070.4	9980.8	9913.2
10°	9947.8	9860.8	9783.9
11°	9818.6	9727.3	9633.5
12°	9681.7	9572.7	9453.5
13°	9514.4	9377.5	9239.8
14°	9316.7	9153.6	8997.3
15°	9080.1	8900.9	8729.4
16°	8813.1	8628.8	8449.7
17°	8519.8	8338.3	8154.1
18°	8191.7	8032.9	7846.2
19°	7837.3	7718.1	7527.2
20°	7455.0	7388.9	7190.1
21°	7038.6	7021.1	6814.9
22°	6596.7	6608.8	6396.3
23°	6107.6	6156.1	5940.5
24°	5601.4	5661.3	5457.0
25°	5094.0	5158.5	4971.9
26°	4588.0	4644.4	4481.5
27°	4105.3	4149.0	4007.9
28°	3651.3	3678.2	3565.6
29°	3243.2	3262.2	3187.7
30°	2893.3	2911.0	2875.5
31°	2610.2	2642.6	2630.2
32°	2386.5	2433.3	2438.8
33°	2209.6	2272.4	2292.0
34°	2069.8	2148.7	2175.7
35°	1955.2	2048.1	2081.8
36°	1863.3	1967.8	2003.7
37°	1784.1	1898.4	1936.3
38°	1710.5	1834.2	1873.8
39°	1639.1	1768.2	1810.2
40°	1568.4	1697.6	1741.9
41°	1496.7	1625.5	1670.8
42°	1420.0	1550.5	1594.0
43°	1346.2	1474.2	1513.3
44°	1272.3	1392.9	1428.7

REPORT NUMBER: P1440288

CATALOG NUMBER: XSF60-KNYK-5Hx5V-850-Position 2

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	1196.6	1308.6	1336.7
46°	1120.9	1222.7	1243.4
47°	1044.0	1138.9	1152.8
48°	970.1	1055.6	1068.2
49°	892.2	967.2	978.5
50°	801.3	877.0	895.9
51°	725.4	779.3	831.1
52°	649.7	710.3	750.7
53°	573.9	642.2	678.0
54°	522.9	574.0	605.6
55°	481.1	531.9	555.4
56°	450.6	490.3	498.0
57°	413.7	441.8	442.9
58°	378.0	399.4	389.6
59°	346.0	363.8	352.4
60°	316.5	325.1	315.3
61°	290.7	290.9	281.9
62°	264.5	264.9	252.0
63°	239.2	240.5	226.9
64°	217.4	218.3	203.2
65°	198.1	197.4	183.1
66°	179.0	178.9	166.3
67°	160.4	163.4	150.9
68°	143.9	148.2	136.4
69°	128.4	133.8	123.1
70°	115.2	119.8	110.2
71°	103.2	107.0	98.8
72°	94.7	95.4	87.7
73°	90.6	84.0	77.4
74°	80.5	74.0	68.4
75°	67.2	64.1	59.5
76°	56.0	54.1	50.5
77°	48.3	45.5	42.9
78°	40.5	37.4	35.4
79°	32.8	30.0	27.9
80°	26.3	23.4	21.8
81°	20.1	17.6	16.6
82°	15.1	12.9	12.3
83°	10.7	9.4	8.8
84°	7.7	6.7	6.2
85°	4.6	4.0	3.6
86°	1.6	1.2	0.9
87°	0.4	0.3	0.3
88°	0.2	0.1	0.1
89°	0.1	0.1	0.1

REPORT NUMBER: P1440288

CATALOG NUMBER: XSF60-KNYK-5Hx5V-850-Position 2

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
90°	0.0	0.0	0.0
91°	0.0	0.0	0.0
92°	0.0	0.0	0.0
93°	0.0	0.0	0.0
94°	0.0	0.0	0.0
95°	0.0	0.0	0.0
96°	0.0	0.0	0.0
97°	0.0	0.0	0.0
98°	0.0	0.0	0.0
99°	0.0	0.0	0.0
100°	0.0	0.0	0.0
101°	0.0	0.0	0.0
102°	0.0	0.0	0.0
103°	0.0	0.0	0.0
104°	0.0	0.0	0.0
105°	0.0	0.0	0.0
106°	0.0	0.0	0.0
107°	0.0	0.0	0.0
108°	0.0	0.0	0.0
109°	0.0	0.0	0.0
110°	0.0	0.0	0.0
111°	0.0	0.0	0.0
112°	0.0	0.0	0.0
113°	0.0	0.0	0.0
114°	0.0	0.0	0.0
115°	0.0	0.0	0.0
116°	0.0	0.0	0.0
117°	0.0	0.0	0.0
118°	0.0	0.0	0.0
119°	0.0	0.0	0.0
120°	0.0	0.0	0.0
121°	0.0	0.0	0.0
122°	0.0	0.0	0.0
123°	0.0	0.0	0.0
124°	0.0	0.0	0.0
125°	0.0	0.0	0.0
126°	0.0	0.0	0.0
127°	0.0	0.0	0.0
128°	0.0	0.0	0.0
129°	0.0	0.0	0.0
130°	0.0	0.0	0.0
131°	0.0	0.0	0.0
132°	0.0	0.0	0.0
133°	0.0	0.0	0.0
134°	0.0	0.0	0.0

REPORT NUMBER: P1440288

CATALOG NUMBER: XSF60-KNYK-5Hx5V-850-Position 2

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
135°	0.0	0.0	0.0
136°	0.0	0.0	0.0
137°	0.0	0.0	0.0
138°	0.0	0.0	0.0
139°	0.0	0.0	0.0
140°	0.0	0.0	0.0
141°	0.0	0.0	0.0
142°	0.0	0.0	0.0
143°	0.0	0.0	0.0
144°	0.0	0.0	0.0
145°	0.0	0.0	0.0
146°	0.0	0.0	0.0
147°	0.0	0.0	0.0
148°	0.0	0.0	0.0
149°	0.0	0.0	0.0
150°	0.0	0.0	0.0
151°	0.0	0.0	0.0
152°	0.0	0.0	0.0
153°	0.0	0.0	0.0
154°	0.0	0.0	0.0
155°	0.0	0.0	0.0
156°	0.0	0.0	0.0
157°	0.0	0.0	0.0
158°	0.0	0.0	0.0
159°	0.0	0.0	0.0
160°	0.0	0.0	0.0
161°	0.0	0.0	0.0
162°	0.0	0.0	0.0
163°	0.0	0.0	0.0
164°	0.0	0.0	0.0
165°	0.0	0.0	0.0
166°	0.0	0.0	0.0
167°	0.0	0.0	0.0
168°	0.0	0.0	0.0
169°	0.0	0.0	0.0
170°	0.0	0.0	0.0
171°	0.0	0.0	0.0
172°	0.0	0.0	0.0
173°	0.0	0.0	0.0
174°	0.0	0.0	0.0
175°	0.0	0.0	0.0
176°	0.0	0.0	0.0
177°	0.0	0.0	0.0
178°	0.0	0.0	0.0
179°	0.0	0.0	0.0

REPORT NUMBER: P1440288

CATALOG NUMBER: XSF60-KNYK-5Hx5V-850-Position 2

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)