

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: P1440290

Luminaire Tested: XSF60-KNYK-5Hx5V-850-Position 4

Issue Date: 04/15/2026

Test Information

Test Method: LM-79-2024
Report Number: P1440290
Test Lab: THIRD PARTY NVLAP
Issue Date: 7/15/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XSF60-KNYK-5Hx5V-850-Position 4
Description: LUMARK ALL SELECTABLE LUMINAIRE 60W w/ NEMA 5 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: 4263.4 lumens
Efficiency: N/A
Efficacy: 170.5 lumens/watt
Luminous Opening: Rectangular (W 0.3' x L: 0.3' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

Input Watts (W): 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

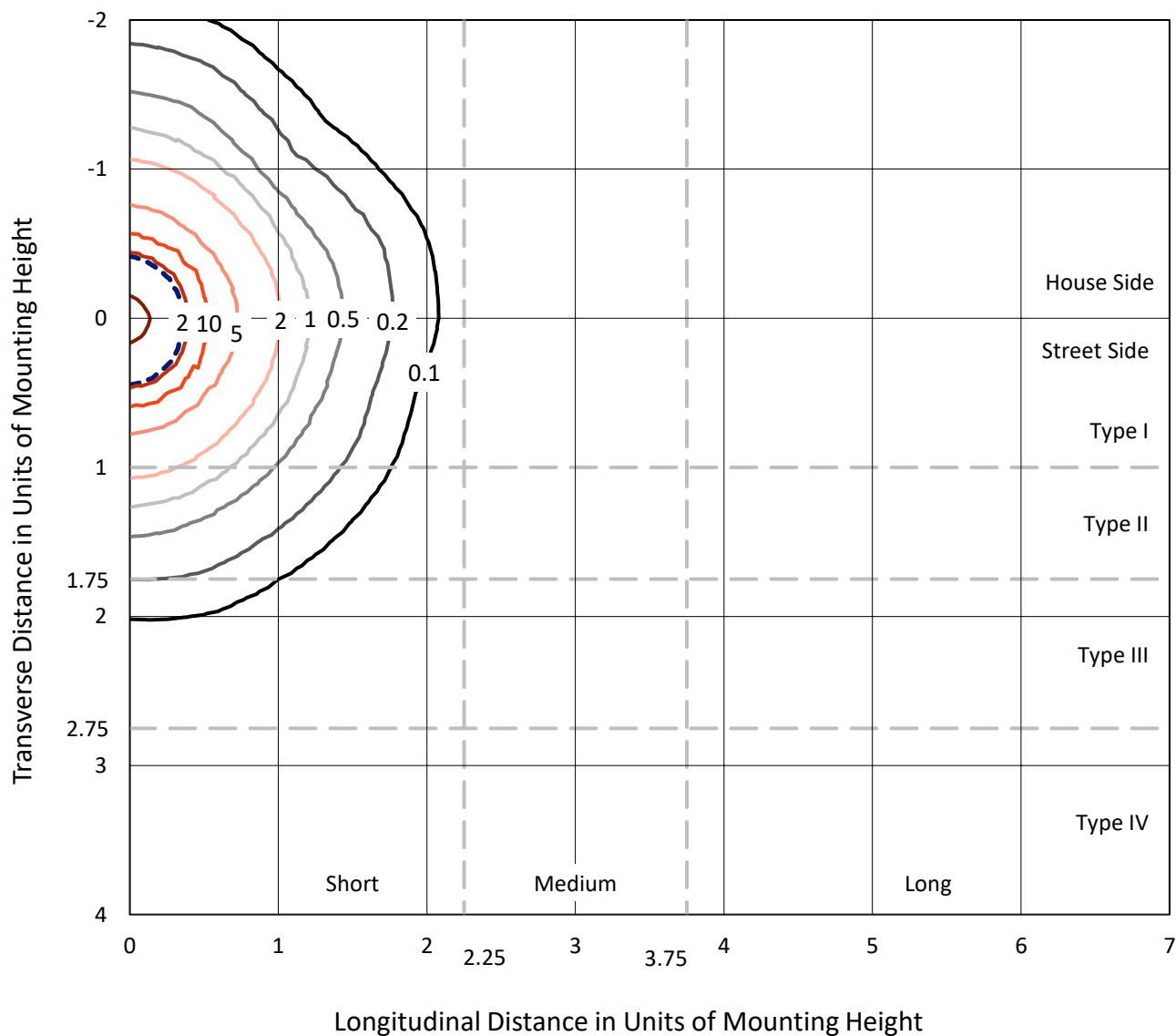
REPORT NUMBER: P1440290

CATALOG NUMBER: XSF60-KNYK-5Hx5V-850-Position 4

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



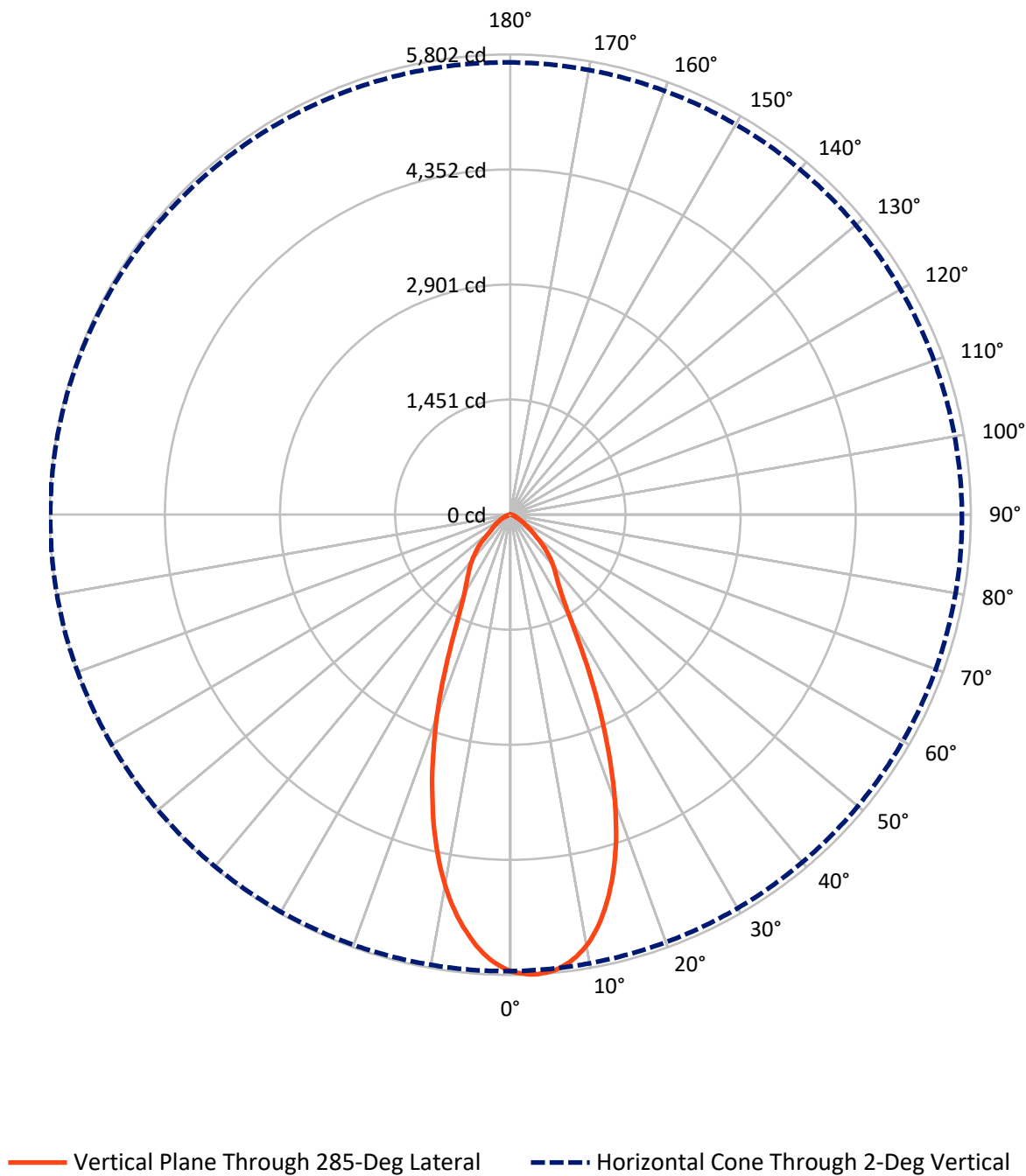
Based on 10 foot mounting height. Maximum calculated value = 57.7 fc

Type V - Short - N/A

REPORT NUMBER: P1440290

CATALOG NUMBER: XSF60-KNYK-5Hx5V-850-Position 4

Luminous Intensity Polar Plot



REPORT NUMBER: P1440290

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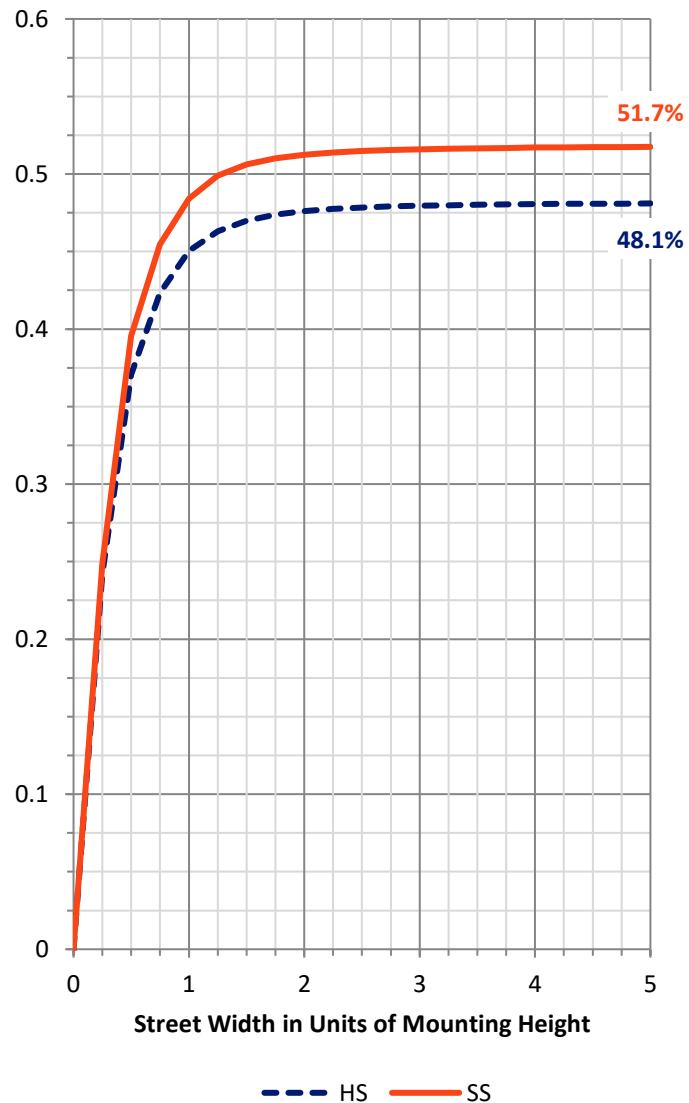
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2071.4	0.0	2071.4
	% Fixture	48.6	0.0	48.6
Street Side	Lumens	2192.0	0.0	2192.0
	% Fixture	51.4	0.0	51.4
Total	Lumens	4263.4	0.0	4263.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	518.8	12.2
10°-20°	1226.4	28.8
20°-30°	1041.0	24.4
30°-40°	636.6	14.9
40°-50°	464.2	10.9
50°-60°	230.5	5.4
60°-70°	103.8	2.4
70°-80°	37.3	0.9
80°-90°	4.7	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°	4263.4	100.0
0°-180°	4263.4	100.0

Coefficient of Utilization



REPORT NUMBER: P1440290

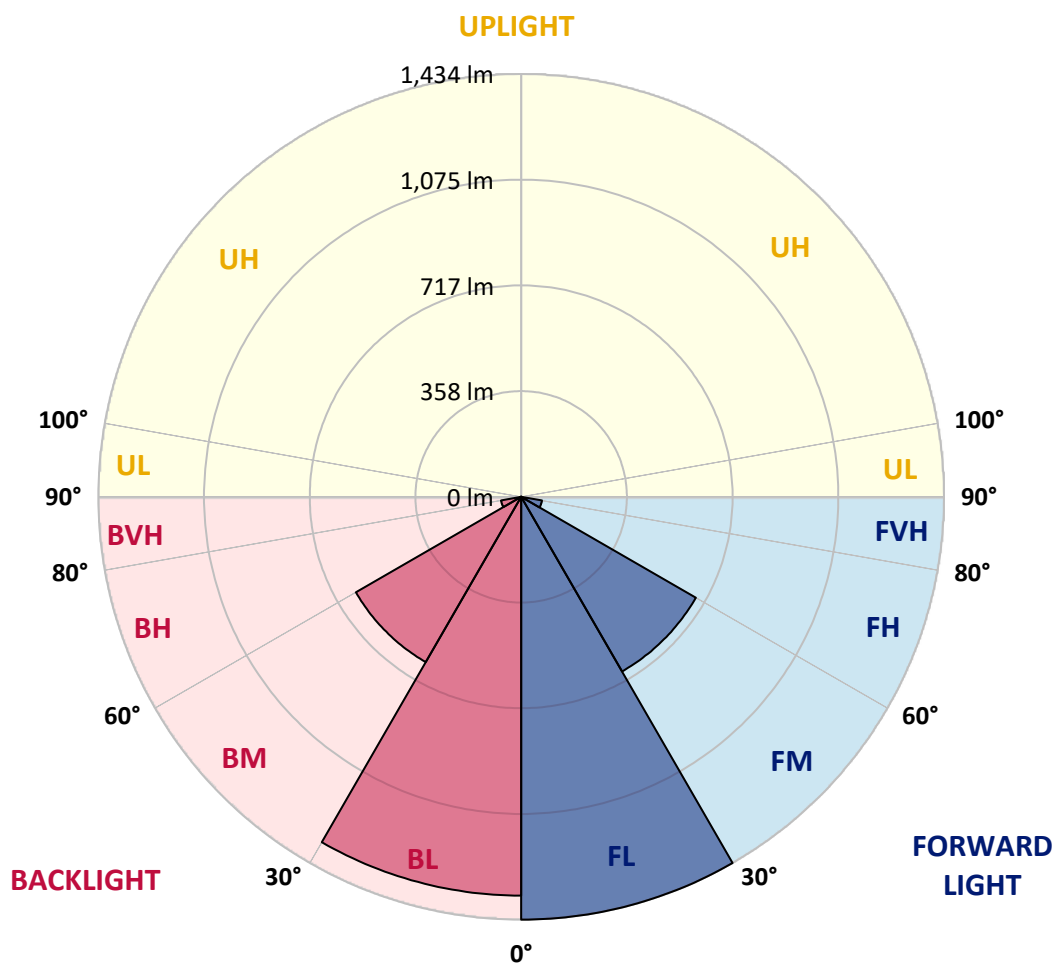
CATALOG NUMBER: XSF60-KNYK-5Hx5V-850-Position 4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1433.9	33.6			
FM	(30°-60°)	684.1	16.0			
FH	(60°-80°)	71.7	1.7			G0/660
FVH	(80°-90°)	2.2	0.1			G0/10
BL	(0°-30°)	1352.3	31.7	B3/2500		
BM	(30°-60°)	647.2	15.2	B1/1000		
BH	(60°-80°)	69.4	1.6	B0/110		G0/660
BVH	(80°-90°)	2.5	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type V Short



REPORT NUMBER: P1440290

CATALOG NUMBER: XSF60-KNYK-5Hx5V-850-Position 4

CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	5770.5	5770.5	5770.5	5770.5	5770.5	5770.5	5770.5	5770.5	5770.5	5770.5	5770.5
1°	5776.4	5767.8	5760.1	5753.8	5747.4	5742.4	5737.0	5731.1	5730.6	5732.0	5735.6
2°	5755.1	5739.3	5728.4	5719.8	5711.1	5700.3	5691.2	5682.1	5678.9	5680.3	5680.8
3°	5715.2	5696.2	5679.8	5667.1	5654.5	5641.8	5628.1	5619.1	5613.2	5612.7	5615.5
4°	5659.4	5633.1	5613.6	5600.9	5584.6	5571.5	5552.9	5541.5	5536.5	5537.0	5540.6
5°	5592.3	5566.9	5542.9	5522.0	5502.5	5487.1	5465.3	5451.3	5446.3	5450.8	5459.9
6°	5520.2	5491.7	5464.4	5436.3	5408.2	5386.4	5361.5	5345.2	5343.8	5356.1	5376.5
7°	5449.0	5416.4	5381.5	5342.0	5302.5	5274.4	5249.9	5233.2	5233.6	5253.6	5287.6
8°	5385.5	5344.7	5297.1	5242.7	5189.6	5152.4	5120.7	5107.6	5115.7	5147.0	5198.2
9°	5320.2	5272.6	5209.6	5136.1	5066.3	5017.8	4980.1	4969.7	4983.8	5029.6	5100.8
10°	5250.9	5194.2	5115.3	5024.6	4937.5	4875.4	4825.9	4819.1	4843.2	4904.4	4990.1
11°	5170.1	5107.6	5012.3	4905.3	4798.7	4718.0	4663.1	4656.3	4693.1	4767.0	4870.4
12°	5073.5	5001.9	4901.2	4774.2	4654.1	4555.2	4485.9	4483.5	4529.6	4619.2	4732.1
13°	4958.8	4882.2	4770.6	4631.4	4495.5	4377.0	4296.1	4296.5	4355.5	4456.6	4577.4
14°	4828.7	4740.7	4619.6	4476.8	4322.7	4188.7	4097.6	4099.5	4170.4	4280.0	4406.5
15°	4684.9	4590.6	4448.1	4305.8	4143.0	3991.3	3888.0	3894.6	3970.8	4089.9	4218.3
16°	4534.8	4419.9	4269.2	4122.2	3947.1	3785.0	3674.6	3679.0	3761.1	3890.0	4017.1
17°	4376.1	4242.8	4079.4	3924.8	3739.4	3569.0	3458.5	3464.2	3545.7	3674.7	3806.4
18°	4210.9	4062.4	3883.3	3717.0	3525.7	3353.6	3244.2	3243.2	3324.1	3453.1	3587.8
19°	4039.7	3874.7	3677.7	3496.7	3305.3	3134.1	3029.9	3027.9	3100.6	3217.8	3359.5
20°	3858.8	3674.5	3463.3	3273.3	3085.1	2920.2	2817.2	2813.4	2876.3	2977.9	3118.5
21°	3657.4	3455.9	3235.8	3046.8	2861.1	2705.2	2602.9	2597.1	2650.2	2736.0	2866.5
22°	3432.8	3230.1	3003.8	2817.2	2640.3	2488.7	2393.0	2383.7	2431.5	2497.4	2614.3
23°	3188.2	2984.7	2765.9	2583.9	2416.9	2275.1	2185.5	2171.9	2210.4	2264.4	2365.5
24°	2928.7	2733.8	2528.8	2355.1	2200.2	2070.3	1987.3	1972.1	1998.5	2039.0	2131.9
25°	2668.3	2490.4	2299.9	2137.3	1993.3	1880.4	1809.9	1786.8	1801.3	1832.2	1915.6
26°	2405.1	2248.0	2076.9	1928.0	1801.3	1709.5	1652.1	1626.4	1624.6	1648.7	1719.2
27°	2150.9	2020.2	1870.3	1736.3	1632.5	1564.2	1518.8	1491.1	1477.0	1489.2	1553.2
28°	1913.6	1808.8	1684.6	1569.0	1484.5	1438.5	1405.7	1375.7	1353.7	1358.5	1411.3
29°	1710.8	1628.5	1525.5	1427.0	1362.6	1332.5	1310.9	1280.9	1252.0	1250.0	1296.9
30°	1543.2	1476.0	1392.3	1307.4	1258.0	1244.2	1232.1	1201.0	1169.9	1162.1	1202.7
31°	1411.6	1357.2	1281.4	1207.4	1171.2	1170.9	1165.4	1136.0	1101.2	1089.8	1128.3
32°	1308.9	1261.3	1189.9	1126.5	1099.9	1109.0	1110.0	1078.8	1044.3	1029.9	1066.2
33°	1230.1	1186.2	1116.0	1057.7	1039.5	1056.1	1061.1	1029.9	995.4	977.7	1013.5
34°	1167.7	1126.6	1055.2	999.2	986.0	1009.6	1019.0	986.6	951.4	933.4	969.5
35°	1117.2	1076.7	1004.1	947.9	938.7	966.5	978.7	946.1	910.6	892.2	929.9
36°	1075.3	1034.2	959.9	901.4	896.5	927.5	940.5	908.5	873.0	854.8	892.9
37°	1039.2	995.8	920.4	860.8	857.9	890.0	903.9	873.7	835.4	817.3	858.3
38°	1005.6	958.9	884.2	823.7	821.8	853.5	869.1	838.9	797.7	779.9	823.7
39°	971.5	922.3	849.0	787.7	785.7	816.4	834.4	804.1	759.7	741.2	789.0
40°	934.9	885.6	812.0	750.7	749.7	777.4	799.5	766.7	722.9	703.5	751.7
41°	896.7	847.8	773.0	713.4	712.6	737.9	759.7	730.0	683.9	666.4	713.4
42°	855.5	807.7	732.9	675.8	674.7	695.7	717.9	690.3	644.8	628.8	674.7
43°	812.1	765.2	693.4	637.0	636.4	652.2	676.5	652.5	604.9	590.2	636.0
44°	766.7	721.1	652.9	599.5	598.0	610.1	635.6	614.6	564.8	552.3	599.8

REPORT NUMBER: P1440290

CATALOG NUMBER: XSF60-KNYK-5Hx5V-850-Position 4

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	717.4	676.5	612.8	562.1	561.5	570.7	596.6	578.0	527.1	516.4	564.4
46°	667.3	632.7	572.7	525.9	525.8	532.0	554.4	537.7	488.8	485.4	531.3
47°	618.7	589.3	533.7	490.2	485.8	489.6	509.4	490.0	441.4	450.4	494.7
48°	573.3	547.6	492.4	449.9	444.2	449.9	467.0	442.1	393.8	407.6	449.7
49°	525.1	501.3	443.9	406.6	406.7	410.8	427.3	395.6	351.6	364.9	399.9
50°	480.8	453.1	403.1	364.1	369.1	377.5	392.5	355.1	307.4	311.4	355.5
51°	446.1	400.8	362.6	321.6	331.6	344.4	364.4	326.6	273.5	269.1	312.7
52°	402.9	364.7	322.0	292.3	303.0	318.0	339.4	305.1	249.5	234.7	282.3
53°	363.9	328.6	290.1	270.3	275.7	289.7	316.5	287.6	228.6	207.6	263.3
54°	325.0	304.0	267.7	255.4	250.6	261.4	290.6	273.6	211.0	181.4	242.8
55°	298.1	272.4	244.4	238.9	231.0	237.3	267.7	256.6	194.8	158.8	219.8
56°	267.3	245.6	224.8	219.3	217.6	219.0	248.1	240.5	179.6	140.8	196.3
57°	237.7	224.2	205.4	202.3	205.5	202.0	228.3	223.3	167.5	128.7	176.6
58°	209.1	203.6	188.1	186.2	188.8	182.7	208.8	210.8	155.6	119.8	159.2
59°	189.1	187.9	173.3	170.2	175.7	166.4	191.5	192.4	140.9	111.8	144.8
60°	169.2	176.9	159.8	155.6	161.6	146.2	176.9	174.1	129.5	104.6	132.6
61°	151.3	161.5	145.0	142.9	146.6	129.9	161.3	161.8	122.4	98.6	121.1
62°	135.2	144.6	131.5	130.9	133.4	120.3	147.4	150.3	113.4	92.6	111.4
63°	121.8	129.7	120.1	120.0	122.2	112.0	136.7	138.6	104.7	86.6	103.2
64°	109.1	118.7	110.3	110.5	112.3	102.6	125.4	125.3	96.5	81.4	95.4
65°	98.3	107.4	102.0	101.9	102.7	94.0	114.3	113.3	88.3	76.5	87.7
66°	89.2	97.3	93.6	93.6	93.7	86.3	103.9	102.5	81.0	71.5	80.6
67°	81.0	88.2	85.7	85.8	85.0	79.6	93.4	91.8	74.0	66.6	73.4
68°	73.2	79.4	77.6	77.7	76.6	73.0	82.9	81.0	67.1	61.9	66.4
69°	66.1	71.2	69.4	69.7	68.6	66.3	73.8	72.3	60.9	57.1	60.5
70°	59.1	63.3	61.9	62.1	61.2	60.0	66.5	65.0	55.3	52.5	58.2
71°	53.0	56.3	56.4	55.2	54.5	54.2	64.0	58.3	50.1	47.8	55.3
72°	47.1	50.0	55.3	49.0	48.4	48.8	57.1	52.0	45.2	43.3	49.8
73°	41.6	44.1	49.5	43.3	42.8	43.5	49.3	46.0	40.4	38.6	42.6
74°	36.7	38.7	41.9	38.3	37.8	38.6	42.2	40.4	35.9	34.2	36.8
75°	31.9	33.3	36.0	33.3	33.0	33.8	36.4	35.1	31.5	30.0	31.8
76°	27.1	28.0	30.0	28.3	28.1	28.9	31.5	30.3	27.3	26.0	27.2
77°	23.0	23.4	24.1	23.7	23.9	24.6	27.1	25.9	23.5	22.2	23.1
78°	19.0	18.9	20.1	19.7	20.2	20.8	23.3	21.8	19.9	18.4	19.4
79°	15.0	15.1	16.6	16.2	16.7	17.2	19.6	18.0	16.6	15.1	16.2
80°	11.7	11.8	13.2	13.1	13.4	13.9	16.0	14.7	13.5	12.3	13.3
81°	8.9	8.9	10.0	10.4	10.9	11.3	13.0	12.1	11.0	10.0	10.8
82°	6.6	6.8	7.6	7.8	8.3	8.8	10.5	9.6	8.5	7.7	8.2
83°	4.7	4.8	5.2	5.4	6.0	6.6	8.0	7.0	6.1	5.4	5.7
84°	3.3	3.3	3.7	3.9	4.4	4.8	5.5	5.1	4.5	4.0	3.9
85°	1.9	1.9	2.1	2.4	2.9	3.3	3.5	3.5	3.0	2.6	2.4
86°	0.5	0.5	0.6	1.0	1.3	1.9	1.9	1.9	1.6	1.4	1.2
87°	0.1	0.2	0.2	0.2	0.4	0.6	0.7	0.7	0.6	0.6	0.5
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

REPORT NUMBER: P1440290

CATALOG NUMBER: XSF60-KNYK-5Hx5V-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: P1440290

CATALOG NUMBER: XSF60-KNYK-5Hx5V-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: P1440290
CATALOG NUMBER: XSF60-KNYK-5Hx5V-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: P1440290

CATALOG NUMBER: XSF60-KNYK-5Hx5V-850-Position 4

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	5770.5	5770.5	5770.5	5770.5	5770.5	5770.5	5770.5	5770.5	5770.5	5770.5	5770.5
1°	5740.2	5749.7	5753.8	5763.7	5770.5	5778.7	5785.1	5788.2	5787.3	5790.9	5792.3
2°	5688.5	5701.6	5714.8	5732.4	5753.3	5771.9	5788.2	5797.8	5802.3	5799.1	5794.6
3°	5624.5	5637.7	5658.5	5684.8	5717.5	5749.2	5781.0	5794.1	5801.4	5795.5	5781.4
4°	5551.5	5567.8	5592.3	5625.4	5671.7	5717.0	5762.4	5782.8	5792.8	5777.3	5750.6
5°	5476.7	5495.3	5520.7	5558.3	5614.5	5674.4	5731.5	5762.8	5772.8	5748.3	5709.8
6°	5401.9	5420.9	5446.8	5491.2	5551.5	5621.8	5690.7	5731.5	5737.9	5709.3	5658.1
7°	5323.0	5350.6	5379.2	5422.3	5484.4	5560.1	5638.1	5685.3	5691.2	5656.3	5600.0
8°	5247.2	5282.6	5314.3	5357.9	5417.3	5493.0	5574.2	5627.7	5635.0	5595.0	5533.4
9°	5166.1	5208.2	5249.0	5292.6	5347.9	5417.3	5498.5	5553.3	5560.6	5521.1	5459.9
10°	5070.4	5122.5	5170.6	5221.8	5270.8	5331.1	5406.4	5464.0	5473.5	5435.4	5387.8
11°	4962.0	5020.9	5079.4	5139.7	5189.6	5233.2	5298.0	5354.2	5367.9	5337.5	5308.0
12°	4834.6	4898.0	4966.5	5044.5	5096.7	5128.0	5176.0	5227.7	5245.0	5228.6	5221.8
13°	4686.7	4753.4	4834.6	4932.5	4992.4	5004.2	5042.3	5088.5	5106.6	5106.2	5125.2
14°	4521.7	4597.4	4684.0	4801.5	4868.1	4873.6	4892.1	4933.9	4954.3	4972.4	5015.9
15°	4345.9	4432.8	4525.7	4652.3	4730.3	4727.5	4731.6	4762.0	4791.9	4826.4	4891.7
16°	4161.7	4265.8	4357.7	4483.5	4563.8	4559.7	4556.1	4573.8	4611.9	4669.0	4750.2
17°	3972.9	4098.7	4191.5	4300.4	4377.9	4379.7	4362.9	4368.2	4417.2	4492.0	4582.4
18°	3771.3	3923.9	4017.9	4106.9	4173.2	4180.7	4153.5	4148.4	4203.7	4305.1	4394.7
19°	3555.2	3729.7	3832.9	3902.7	3949.7	3962.1	3927.1	3914.3	3978.2	4095.5	4182.7
20°	3320.2	3511.6	3622.9	3682.0	3707.8	3726.4	3686.5	3669.4	3736.0	3865.2	3957.4
21°	3068.7	3265.9	3386.8	3437.5	3450.5	3479.1	3435.0	3419.1	3487.3	3622.7	3712.9
22°	2805.9	3003.5	3129.4	3173.5	3186.8	3217.9	3179.5	3165.7	3236.5	3367.5	3458.3
23°	2545.5	2733.9	2860.2	2894.4	2908.9	2950.3	2921.1	2912.9	2981.2	3106.9	3189.3
24°	2290.4	2465.3	2581.1	2621.3	2638.5	2679.7	2662.9	2659.1	2729.9	2841.6	2917.2
25°	2055.5	2203.4	2315.2	2352.9	2368.8	2422.4	2407.3	2409.9	2482.0	2582.4	2645.8
26°	1837.3	1960.2	2058.3	2099.7	2116.8	2160.0	2155.6	2165.8	2235.6	2324.1	2383.4
27°	1651.1	1753.2	1836.6	1875.9	1887.4	1922.5	1922.0	1937.4	2002.8	2081.2	2132.4
28°	1493.9	1575.9	1639.6	1673.4	1681.2	1703.3	1709.5	1728.6	1783.4	1851.9	1900.1
29°	1370.1	1440.5	1486.8	1507.6	1505.4	1515.1	1526.8	1552.3	1595.3	1648.1	1692.1
30°	1272.9	1333.6	1363.8	1368.8	1357.5	1360.4	1379.2	1408.4	1439.3	1472.9	1509.1
31°	1195.8	1253.0	1272.5	1260.5	1238.9	1238.6	1263.2	1295.0	1316.3	1330.2	1361.4
32°	1135.0	1188.3	1197.1	1172.0	1145.0	1141.8	1171.4	1205.2	1219.3	1219.8	1240.5
33°	1085.2	1135.9	1140.0	1102.2	1067.5	1066.4	1097.8	1133.9	1141.0	1129.6	1144.0
34°	1042.3	1094.4	1089.9	1045.0	1006.2	1004.7	1038.7	1075.7	1079.0	1057.9	1067.0
35°	1005.3	1058.9	1047.5	996.1	952.7	953.1	988.3	1026.1	1027.0	999.0	1002.9
36°	971.3	1026.8	1010.0	952.5	906.8	908.1	944.6	984.3	981.8	948.2	950.0
37°	938.2	995.4	974.2	913.0	869.0	870.9	906.3	945.6	940.2	903.5	904.0
38°	903.5	962.4	938.9	877.2	831.2	833.8	872.2	910.8	901.9	862.8	863.1
39°	867.6	928.3	902.9	841.3	793.4	796.6	838.2	876.4	865.9	824.5	824.7
40°	831.7	892.1	863.4	805.5	754.9	758.9	804.1	840.5	827.9	786.7	787.1
41°	795.7	854.3	824.0	766.3	716.5	721.1	767.0	802.7	789.2	749.3	750.1
42°	753.4	816.4	784.4	724.2	677.8	682.9	728.2	763.2	747.7	710.5	712.2
43°	712.0	774.5	739.3	681.9	638.0	644.5	688.4	720.4	703.7	672.0	673.2
44°	671.1	731.9	694.6	637.7	597.2	605.1	648.6	677.0	657.4	631.7	634.5

REPORT NUMBER: P1440290

CATALOG NUMBER: XSF60-KNYK-5Hx5V-850-Position 4

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	632.3	690.6	649.9	594.6	556.2	562.8	607.9	634.6	610.4	591.1	595.6
46°	594.3	650.7	609.5	554.5	517.8	521.8	568.4	593.6	563.9	549.2	557.6
47°	552.5	605.8	568.1	518.7	482.1	482.5	529.3	556.1	522.6	509.1	521.2
48°	504.6	559.2	518.9	474.5	442.7	440.3	487.0	515.5	479.8	471.4	485.9
49°	461.3	516.9	471.0	424.2	392.9	389.7	440.9	473.5	436.3	432.0	444.2
50°	424.8	488.2	435.3	379.2	339.9	345.0	392.0	429.9	403.3	392.3	404.4
51°	391.0	451.7	409.1	342.1	291.0	306.2	348.7	398.3	370.2	352.6	357.6
52°	364.0	414.2	378.6	301.4	247.4	265.5	315.7	366.9	337.2	312.9	310.6
53°	348.0	392.8	361.6	281.4	222.4	239.4	294.4	335.4	309.6	284.1	283.1
54°	327.8	373.0	343.6	258.6	196.3	220.3	278.8	307.4	282.1	260.9	262.1
55°	307.2	347.1	315.9	234.1	170.8	202.9	266.3	281.9	256.1	241.3	242.3
56°	278.1	317.9	286.0	211.0	149.8	188.6	253.0	261.0	234.0	226.2	224.6
57°	250.5	287.2	258.7	189.2	135.5	177.1	235.4	238.3	211.5	212.1	207.5
58°	230.2	260.8	234.3	169.6	125.8	166.5	218.1	217.3	188.7	192.8	191.8
59°	208.4	239.6	211.6	154.4	117.3	151.9	206.6	200.9	176.1	176.9	177.0
60°	185.5	216.6	189.3	143.0	109.7	137.0	189.1	184.0	158.9	166.6	163.3
61°	166.8	192.7	168.8	129.3	102.6	125.8	169.8	166.4	139.8	152.9	150.4
62°	150.8	171.8	150.3	116.3	96.4	117.1	155.5	153.4	126.1	139.0	138.0
63°	135.6	152.5	135.2	105.9	90.1	108.4	144.3	142.0	114.2	125.7	126.9
64°	124.1	136.1	122.0	97.4	84.7	100.3	131.4	130.4	104.0	114.6	116.3
65°	112.8	121.3	110.8	88.9	79.7	92.2	119.4	119.6	95.8	105.2	106.6
66°	102.3	109.0	100.9	82.1	74.6	84.1	108.4	109.4	88.3	96.2	97.8
67°	91.9	96.8	91.0	75.4	69.6	77.2	97.9	99.5	81.7	87.8	89.5
68°	81.5	84.6	81.1	68.7	64.7	71.0	87.5	89.9	75.2	79.7	81.2
69°	72.5	74.1	72.2	62.3	59.9	64.8	78.7	80.8	69.0	71.8	72.8
70°	63.5	65.0	64.1	57.2	55.3	58.8	70.5	72.2	62.8	64.3	65.0
71°	55.7	57.2	56.7	53.8	50.6	53.2	63.3	64.7	56.9	57.0	57.9
72°	48.7	50.2	50.0	51.3	46.0	48.1	56.7	59.6	51.4	50.8	51.5
73°	42.3	43.6	43.7	45.3	41.3	43.3	50.4	54.7	46.2	45.0	45.6
74°	36.3	37.6	37.8	38.5	36.6	38.6	44.5	47.1	41.2	40.1	40.5
75°	31.0	32.2	32.3	33.0	32.2	34.1	38.8	40.2	36.5	35.1	35.2
76°	26.3	27.4	27.5	28.1	28.1	29.8	33.3	34.6	31.8	30.2	29.9
77°	22.2	23.2	23.2	23.9	24.1	25.7	28.6	29.0	27.1	25.8	25.4
78°	18.5	19.4	19.3	20.2	20.2	21.7	24.2	24.7	23.0	21.9	21.2
79°	15.1	16.0	15.8	17.1	16.7	18.4	20.3	20.9	19.4	18.5	17.6
80°	12.2	13.0	12.8	14.0	13.7	15.2	16.7	17.1	15.8	15.1	14.4
81°	10.1	10.8	10.5	11.4	11.2	12.5	13.5	13.8	12.6	12.1	11.5
82°	7.9	8.6	8.3	8.9	8.8	9.7	11.1	11.1	10.0	9.5	8.7
83°	5.8	6.3	6.1	6.3	6.3	7.1	8.6	8.7	7.5	7.0	6.2
84°	4.7	5.1	4.9	4.5	5.0	5.5	6.2	6.3	5.7	5.2	4.2
85°	3.4	3.7	3.6	2.9	3.6	4.1	4.5	4.2	4.3	3.7	2.9
86°	1.7	1.9	2.0	1.5	2.1	2.6	2.8	2.7	2.7	2.3	1.5
87°	0.6	0.6	0.7	0.7	0.9	1.1	1.3	1.2	1.2	0.8	0.5
88°	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.3	0.3	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: P1440290

CATALOG NUMBER: XSF60-KNYK-5Hx5V-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: P1440290

CATALOG NUMBER: XSF60-KNYK-5Hx5V-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: P1440290
CATALOG NUMBER: XSF60-KNYK-5Hx5V-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: P1440290

CATALOG NUMBER: XSF60-KNYK-5Hx5V-850-Position 4

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	5770.5	5770.5	5770.5
1°	5785.5	5783.2	5776.4
2°	5781.4	5767.8	5755.1
3°	5757.8	5735.2	5715.2
4°	5715.7	5683.5	5659.4
5°	5662.2	5620.4	5592.3
6°	5601.8	5553.3	5520.2
7°	5535.6	5485.3	5449.0
8°	5468.1	5419.1	5385.5
9°	5404.6	5356.5	5320.2
10°	5338.8	5292.1	5250.9
11°	5269.4	5220.5	5170.1
12°	5196.0	5137.5	5073.5
13°	5106.2	5032.7	4958.8
14°	5000.1	4912.6	4828.7
15°	4873.1	4777.0	4684.9
16°	4729.8	4630.9	4534.8
17°	4572.4	4475.0	4376.1
18°	4396.4	4311.1	4210.9
19°	4206.1	4142.2	4039.7
20°	4001.0	3965.5	3858.8
21°	3777.5	3768.1	3657.4
22°	3540.3	3546.8	3432.8
23°	3277.8	3303.9	3188.2
24°	3006.2	3038.3	2928.7
25°	2733.9	2768.5	2668.3
26°	2462.3	2492.6	2405.1
27°	2203.2	2226.7	2150.9
28°	1959.6	1974.0	1913.6
29°	1740.5	1750.8	1710.8
30°	1552.8	1562.3	1543.2
31°	1400.8	1418.2	1411.6
32°	1280.8	1305.9	1308.9
33°	1185.9	1219.5	1230.1
34°	1110.8	1153.2	1167.7
35°	1049.3	1099.2	1117.2
36°	1000.0	1056.1	1075.3
37°	957.5	1018.8	1039.2
38°	918.0	984.4	1005.6
39°	879.7	949.0	971.5
40°	841.8	911.1	934.9
41°	803.3	872.4	896.7
42°	762.1	832.1	855.5
43°	722.5	791.2	812.1
44°	682.8	747.5	766.7

REPORT NUMBER: P1440290

CATALOG NUMBER: XSF60-KNYK-5Hx5V-850-Position 4

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	642.2	702.3	717.4
46°	601.5	656.2	667.3
47°	560.3	611.2	618.7
48°	520.6	566.5	573.3
49°	478.8	519.1	525.1
50°	430.1	470.7	480.8
51°	389.3	418.2	446.1
52°	348.7	381.2	402.9
53°	308.0	344.6	363.9
54°	280.6	308.0	325.0
55°	258.2	285.4	298.1
56°	241.8	263.1	267.3
57°	222.0	237.1	237.7
58°	202.9	214.3	209.1
59°	185.7	195.2	189.1
60°	169.9	174.5	169.2
61°	156.0	156.1	151.3
62°	141.9	142.2	135.2
63°	128.4	129.0	121.8
64°	116.7	117.1	109.1
65°	106.3	105.9	98.3
66°	96.1	96.0	89.2
67°	86.1	87.7	81.0
68°	77.2	79.5	73.2
69°	68.9	71.8	66.1
70°	61.8	64.3	59.1
71°	55.4	57.5	53.0
72°	50.8	51.2	47.1
73°	48.6	45.1	41.6
74°	43.2	39.7	36.7
75°	36.1	34.4	31.9
76°	30.1	29.0	27.1
77°	25.9	24.4	23.0
78°	21.8	20.1	19.0
79°	17.6	16.1	15.0
80°	14.1	12.5	11.7
81°	10.8	9.4	8.9
82°	8.1	6.9	6.6
83°	5.8	5.0	4.7
84°	4.1	3.6	3.3
85°	2.5	2.1	1.9
86°	0.9	0.7	0.5
87°	0.2	0.2	0.1
88°	0.1	0.1	0.1
89°	0.0	0.0	0.0

REPORT NUMBER: P1440290

CATALOG NUMBER: XSF60-KNYK-5Hx5V-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: P1440290

CATALOG NUMBER: XSF60-KNYK-5Hx5V-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: P1440290

CATALOG NUMBER: XSF60-KNYK-5Hx5V-850-Position 4

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)