

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: P1440280

Luminaire Tested: XSF60-KNYK-5Hx5V-830-Position 2

Issue Date: 04/15/2026

Test Information

Test Method: LM-79-2024
Report Number: P1440280
Test Lab: THIRD PARTY NVLAP
Issue Date: 7/15/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XSF60-KNYK-5Hx5V-830-Position 2
Description: LUMARK ALL SELECTABLE LUMINAIRE 60W w/ NEMA 5 FLOOD DISTRIBUTION 3000K CCT 80 CRI LIGHT ENGINE AT Position 2
Light Source: (1) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7494.3 lumens
Efficiency: N/A
Efficacy: 159.5 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): 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

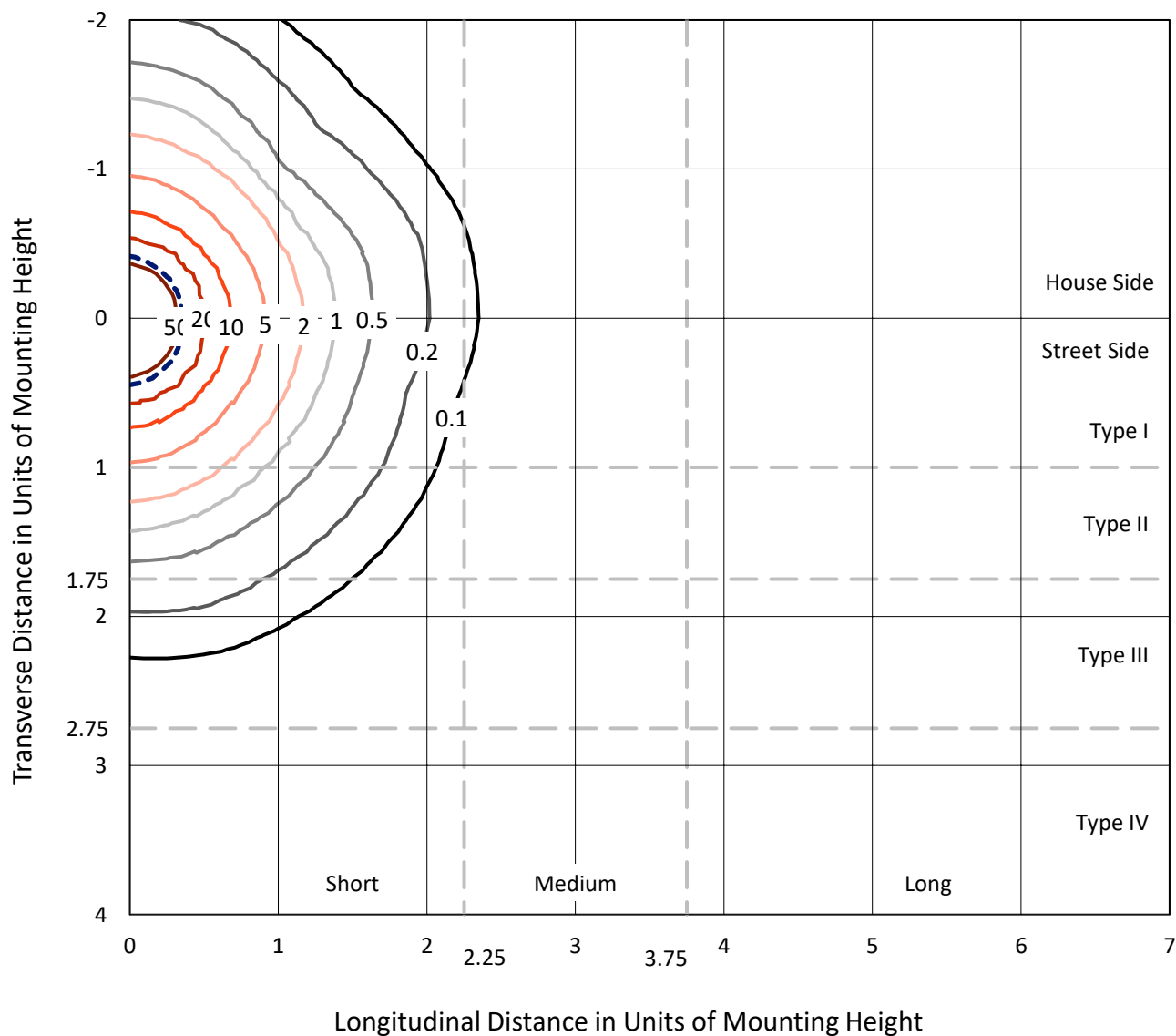
REPORT NUMBER: P1440280

CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-Position 2

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



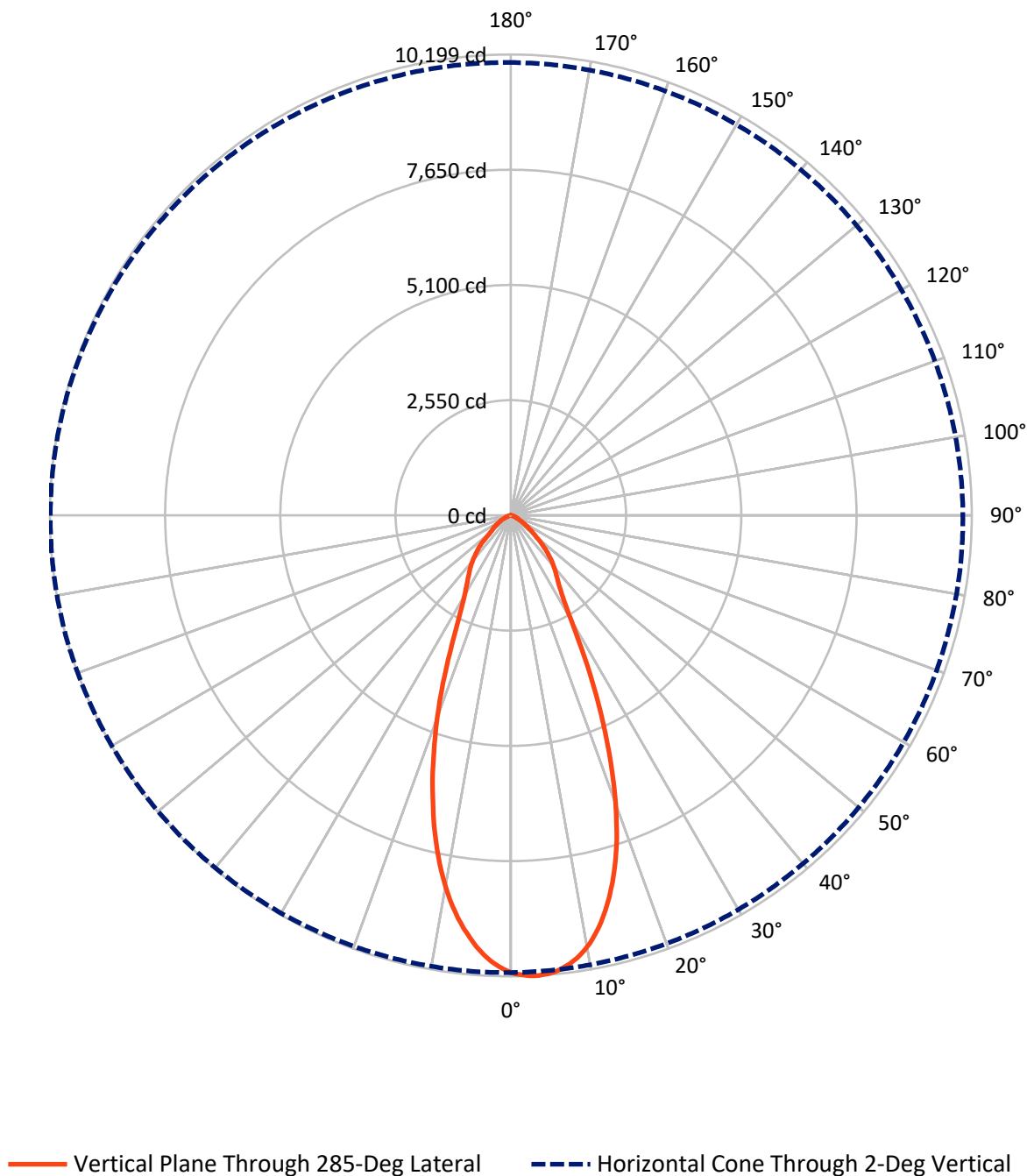
Based on 10 foot mounting height. Maximum calculated value = 101.4 fc

Type V - Short - N/A

REPORT NUMBER: P1440280

CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-Position 2

Luminous Intensity Polar Plot



REPORT NUMBER: P1440280

CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-Position 2

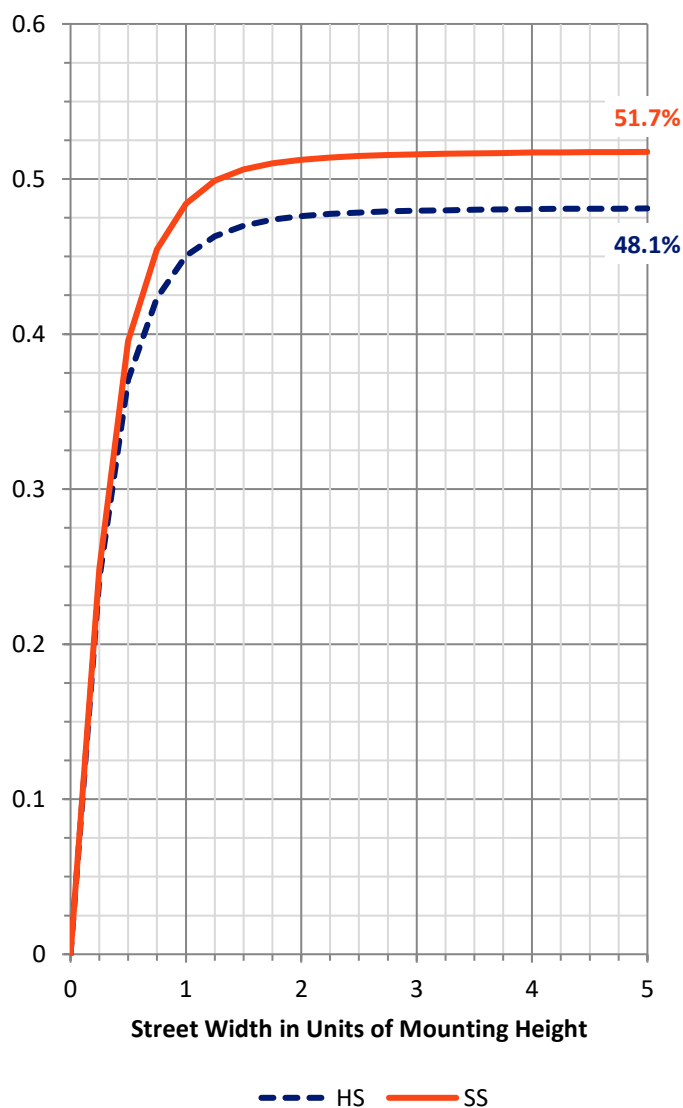
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3641.2	0.0	3641.2
	% Fixture	48.6	0.0	48.6
Street Side	Lumens	3853.1	0.0	3853.1
	% Fixture	51.4	0.0	51.4
Total	Lumens	7494.3	0.0	7494.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	912.0	12.2
10°-20°	2155.8	28.8
20°-30°	1829.9	24.4
30°-40°	1119.0	14.9
40°-50°	816.0	10.9
50°-60°	405.2	5.4
60°-70°	182.4	2.4
70°-80°	65.6	0.9
80°-90°	8.3	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°	7494.3	100.0
0°-180°	7494.3	100.0

Coefficient of Utilization



REPORT NUMBER: P1440280

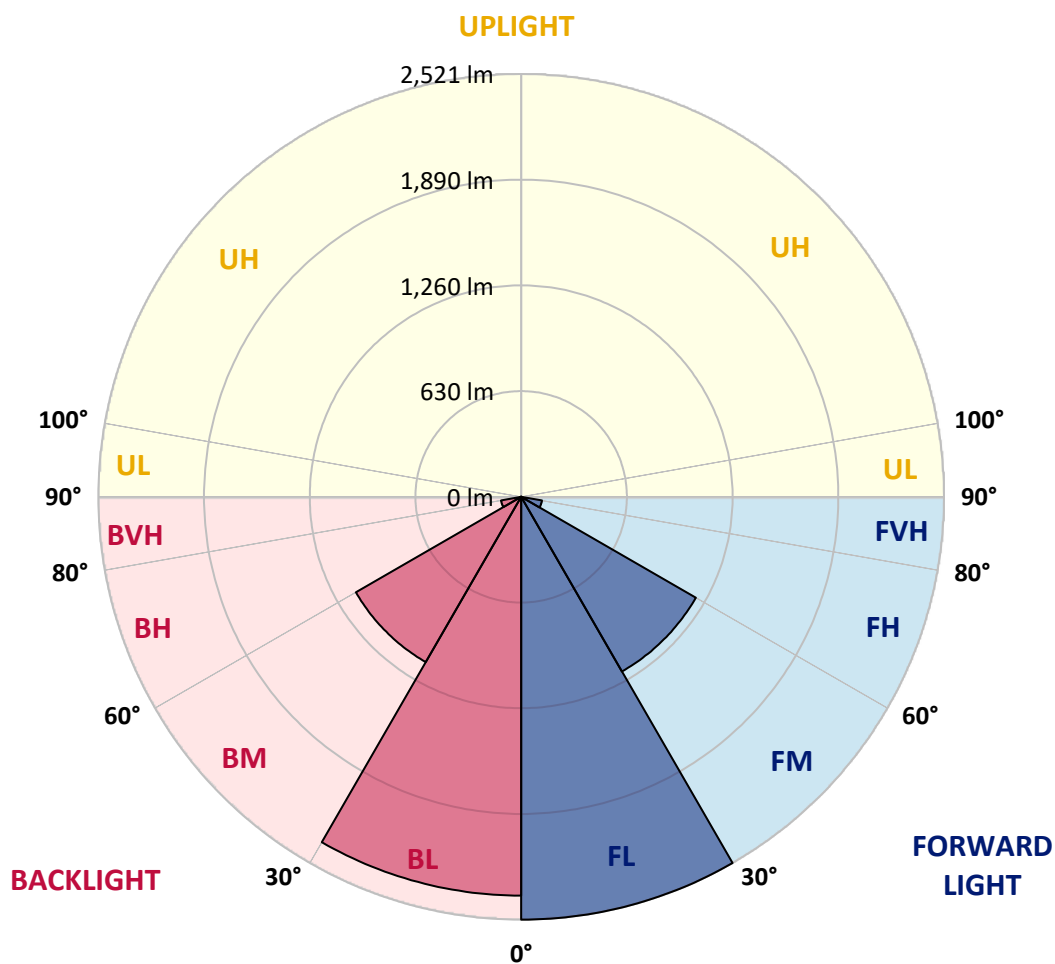
CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-Position 2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2520.6	33.6			
FM	(30°-60°)	1202.6	16.0			
FH	(60°-80°)	126.0	1.7			G0/660
FVH	(80°-90°)	3.9	0.1			G0/10
BL	(0°-30°)	2377.1	31.7	B3/2500		
BM	(30°-60°)	1137.7	15.2	B2/2500		
BH	(60°-80°)	122.0	1.6	B1/500		G0/660
BVH	(80°-90°)	4.3	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: P1440280

CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-Position 2

CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	10143.6	10143.6	10143.6	10143.6	10143.6	10143.6	10143.6	10143.6	10143.6	10143.6	10143.6
1°	10154.0	10138.9	10125.3	10114.1	10103.0	10094.2	10084.7	10074.3	10073.5	10075.9	10082.3
2°	10116.5	10088.6	10069.5	10054.4	10039.2	10020.1	10004.1	9988.2	9982.6	9985.0	9985.8
3°	10046.4	10012.9	9984.2	9961.9	9939.6	9917.3	9893.3	9877.4	9867.0	9866.2	9871.0
4°	9948.3	9902.1	9867.8	9845.5	9816.8	9793.7	9761.0	9741.1	9732.3	9733.1	9739.5
5°	9830.4	9785.7	9743.5	9706.8	9672.5	9645.4	9607.2	9582.5	9573.7	9581.7	9597.6
6°	9703.6	9653.4	9605.6	9556.1	9506.7	9468.5	9424.6	9395.9	9393.5	9415.1	9450.9
7°	9578.5	9521.1	9459.7	9390.3	9321.0	9271.6	9228.5	9199.0	9199.8	9234.9	9294.7
8°	9466.9	9395.1	9311.4	9215.8	9122.5	9057.1	9001.3	8978.2	8992.6	9047.6	9137.6
9°	9352.1	9268.4	9157.6	9028.4	8905.7	8820.4	8754.2	8735.9	8760.6	8841.1	8966.3
10°	9230.1	9130.5	8991.8	8832.3	8679.3	8570.1	8483.2	8471.2	8513.5	8621.1	8771.8
11°	9088.2	8978.2	8810.8	8622.7	8435.4	8293.5	8197.0	8185.1	8249.6	8379.6	8561.3
12°	8918.4	8792.5	8615.5	8392.3	8181.1	8007.3	7885.5	7881.2	7962.3	8119.7	8318.2
13°	8716.8	8582.0	8385.9	8141.2	7902.3	7694.0	7551.8	7552.5	7656.2	7834.0	8046.4
14°	8488.0	8333.3	8120.5	7869.4	7598.6	7363.0	7202.9	7206.2	7330.9	7523.6	7745.9
15°	8235.3	8069.5	7819.0	7568.9	7282.6	7016.0	6834.4	6846.1	6980.0	7189.3	7415.1
16°	7971.4	7769.5	7504.5	7246.2	6938.4	6653.4	6459.2	6467.1	6611.3	6838.1	7061.3
17°	7692.5	7458.1	7170.9	6899.2	6573.2	6273.8	6079.4	6089.5	6232.7	6459.6	6691.0
18°	7402.1	7141.0	6826.3	6533.8	6197.5	5895.0	5702.7	5701.1	5843.3	6069.9	6306.8
19°	7101.1	6811.0	6464.8	6146.6	5810.1	5509.1	5326.1	5322.5	5450.3	5656.3	5905.4
20°	6783.1	6459.2	6087.9	5753.9	5423.1	5133.2	4952.1	4945.5	5056.0	5234.6	5481.9
21°	6429.1	6074.9	5687.9	5355.8	5029.3	4755.3	4575.5	4565.2	4658.6	4809.4	5038.9
22°	6034.2	5678.0	5280.2	4952.2	4641.3	4374.8	4206.5	4190.2	4274.1	4389.9	4595.4
23°	5604.2	5246.6	4861.9	4542.1	4248.5	3999.3	3841.8	3817.8	3885.5	3980.5	4158.1
24°	5148.1	4805.6	4445.3	4139.9	3867.6	3639.3	3493.4	3466.6	3513.1	3584.2	3747.6
25°	4690.5	4377.7	4042.9	3756.9	3503.8	3305.4	3181.6	3140.8	3166.4	3220.7	3367.4
26°	4227.8	3951.6	3650.8	3389.1	3166.4	3005.1	2904.2	2859.0	2855.8	2898.1	3022.0
27°	3781.0	3551.2	3287.7	3052.2	2869.6	2749.6	2669.8	2621.2	2596.4	2617.7	2730.2
28°	3363.8	3179.6	2961.3	2758.0	2609.4	2528.6	2471.1	2418.3	2379.6	2388.0	2480.8
29°	3007.2	2862.7	2681.5	2508.4	2395.2	2342.3	2304.4	2251.5	2200.8	2197.2	2279.7
30°	2712.8	2594.5	2447.5	2298.2	2211.4	2187.0	2165.8	2111.2	2056.5	2042.8	2114.2
31°	2481.3	2385.7	2252.6	2122.4	2058.8	2058.2	2048.7	1996.8	1935.8	1915.6	1983.3
32°	2300.8	2217.1	2091.6	1980.3	1933.5	1949.4	1951.2	1896.3	1835.7	1810.3	1874.2
33°	2162.2	2085.1	1961.8	1859.3	1827.3	1856.5	1865.2	1810.3	1749.7	1718.6	1781.6
34°	2052.6	1980.4	1854.9	1756.5	1733.1	1774.8	1791.2	1734.3	1672.4	1640.8	1704.1
35°	1963.9	1892.7	1765.0	1666.3	1650.1	1699.0	1720.5	1663.1	1600.7	1568.3	1634.5
36°	1890.3	1817.9	1687.3	1584.5	1575.9	1630.4	1653.3	1596.9	1534.6	1502.5	1569.5
37°	1826.7	1750.4	1617.9	1513.1	1508.0	1564.6	1588.9	1535.9	1468.4	1436.7	1508.7
38°	1767.7	1685.6	1554.2	1448.0	1444.7	1500.2	1527.8	1474.7	1402.3	1370.8	1447.9
39°	1707.7	1621.2	1492.3	1384.6	1381.1	1435.2	1466.7	1413.5	1335.5	1302.9	1386.9
40°	1643.3	1556.7	1427.4	1319.6	1317.8	1366.5	1405.4	1347.7	1270.7	1236.6	1321.3
41°	1576.2	1490.3	1358.9	1254.0	1252.7	1297.0	1335.4	1283.2	1202.3	1171.4	1254.0
42°	1503.8	1419.8	1288.3	1187.9	1186.0	1222.9	1261.9	1213.5	1133.4	1105.4	1186.0
43°	1427.6	1345.2	1218.9	1119.7	1118.6	1146.5	1189.3	1146.9	1063.2	1037.5	1117.9
44°	1347.8	1267.5	1147.6	1053.7	1051.1	1072.5	1117.3	1080.4	992.8	970.9	1054.3

REPORT NUMBER: P1440280

CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-Position 2

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	1261.0	1189.1	1077.2	988.1	987.1	1003.2	1048.7	1016.0	926.5	907.7	992.1
46°	1173.0	1112.2	1006.8	924.4	924.2	935.1	974.5	945.3	859.2	853.2	933.9
47°	1087.5	1035.9	938.1	861.7	854.0	860.6	895.4	861.4	775.9	791.7	869.5
48°	1007.7	962.6	865.6	790.8	780.8	790.9	820.9	777.2	692.2	716.5	790.6
49°	923.1	881.2	780.3	714.8	714.8	722.0	751.1	695.4	618.0	641.4	703.0
50°	845.2	796.4	708.6	640.1	648.9	663.6	689.9	624.3	540.3	547.4	625.0
51°	784.1	704.6	637.3	565.4	583.0	605.4	640.5	574.1	480.7	473.0	549.6
52°	708.2	641.1	566.0	513.9	532.6	559.0	596.6	536.4	438.5	412.6	496.2
53°	639.6	577.6	509.9	475.1	484.6	509.3	556.3	505.5	401.8	365.0	462.9
54°	571.3	534.3	470.6	448.9	440.5	459.5	510.9	481.0	370.8	318.9	426.8
55°	523.9	478.8	429.7	419.9	406.1	417.1	470.5	451.1	342.4	279.2	386.4
56°	469.8	431.7	395.1	385.5	382.6	384.9	436.2	422.7	315.6	247.6	345.1
57°	417.8	394.1	361.1	355.6	361.2	355.1	401.3	392.5	294.5	226.2	310.4
58°	367.6	357.9	330.7	327.2	331.9	321.1	367.1	370.5	273.5	210.6	279.8
59°	332.5	330.3	304.6	299.2	308.9	292.5	336.6	338.3	247.8	196.5	254.6
60°	297.5	310.9	280.8	273.5	284.1	257.0	310.9	306.0	227.7	183.8	233.0
61°	266.0	283.9	254.9	251.1	257.7	228.3	283.5	284.4	215.2	173.3	212.9
62°	237.7	254.1	231.1	230.0	234.4	211.5	259.0	264.1	199.3	162.8	195.9
63°	214.1	228.0	211.2	211.0	214.7	197.0	240.2	243.7	184.1	152.3	181.3
64°	191.7	208.7	193.9	194.2	197.5	180.3	220.5	220.2	169.6	143.2	167.8
65°	172.8	188.8	179.2	179.1	180.5	165.2	201.0	199.2	155.2	134.5	154.2
66°	156.8	171.0	164.6	164.6	164.7	151.7	182.6	180.2	142.5	125.7	141.6
67°	142.3	155.1	150.6	150.8	149.5	139.9	164.1	161.3	130.0	117.1	129.0
68°	128.7	139.5	136.4	136.7	134.6	128.3	145.7	142.5	117.9	108.8	116.6
69°	116.1	125.1	121.9	122.5	120.6	116.5	129.7	127.1	107.0	100.4	106.4
70°	103.9	111.2	108.9	109.2	107.6	105.4	117.0	114.2	97.1	92.3	102.4
71°	93.2	98.9	99.2	97.0	95.8	95.3	112.5	102.4	88.1	84.1	97.3
72°	82.8	87.8	97.2	86.1	85.0	85.7	100.5	91.3	79.5	76.1	87.5
73°	73.0	77.5	87.1	76.1	75.2	76.4	86.6	80.8	71.1	67.9	74.9
74°	64.6	68.0	73.7	67.3	66.5	67.9	74.2	71.0	63.0	60.1	64.7
75°	56.1	58.6	63.2	58.5	57.9	59.4	63.9	61.7	55.4	52.8	56.0
76°	47.6	49.1	52.7	49.7	49.3	50.8	55.3	53.3	48.0	45.8	47.8
77°	40.5	41.1	42.3	41.7	42.0	43.3	47.6	45.5	41.2	39.1	40.6
78°	33.4	33.3	35.3	34.7	35.4	36.5	41.0	38.3	34.9	32.4	34.1
79°	26.3	26.6	29.1	28.5	29.4	30.2	34.5	31.7	29.1	26.6	28.6
80°	20.5	20.7	23.2	23.0	23.5	24.4	28.1	25.8	23.7	21.6	23.4
81°	15.6	15.7	17.5	18.3	19.1	19.8	22.8	21.3	19.4	17.6	18.9
82°	11.6	11.9	13.4	13.7	14.6	15.5	18.5	16.8	15.0	13.6	14.4
83°	8.3	8.4	9.1	9.6	10.6	11.6	14.1	12.3	10.7	9.6	10.0
84°	5.8	5.9	6.4	6.9	7.8	8.5	9.7	9.0	7.9	7.0	6.9
85°	3.4	3.4	3.7	4.3	5.0	5.8	6.1	6.2	5.3	4.6	4.2
86°	0.9	0.9	1.1	1.7	2.3	3.4	3.3	3.3	2.8	2.4	2.2
87°	0.3	0.3	0.3	0.4	0.7	1.1	1.3	1.3	1.1	1.0	0.9
88°	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.4
89°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2



REPORT NUMBER: P1440280

CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-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: P1440280

CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-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: P1440280
CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-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: P1440280

CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-Position 2

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	10143.6	10143.6	10143.6	10143.6	10143.6	10143.6	10143.6	10143.6	10143.6	10143.6	10143.6
1°	10090.2	10107.0	10114.1	10131.7	10143.6	10158.0	10169.2	10174.7	10173.1	10179.5	10181.9
2°	9999.4	10022.5	10045.6	10076.7	10113.4	10146.0	10174.7	10191.5	10199.4	10193.9	10185.9
3°	9887.0	9910.1	9946.7	9993.0	10050.4	10106.2	10162.0	10185.1	10197.8	10187.5	10162.8
4°	9758.6	9787.3	9830.4	9888.6	9969.9	10049.6	10129.3	10165.2	10182.7	10155.6	10108.6
5°	9627.1	9659.8	9704.4	9770.6	9869.4	9974.6	10075.1	10130.1	10147.6	10104.6	10036.8
6°	9495.6	9529.0	9574.5	9652.6	9758.6	9882.2	10003.3	10075.1	10086.2	10036.0	9946.0
7°	9356.9	9405.5	9455.7	9531.4	9640.6	9773.8	9910.9	9993.8	10004.1	9942.8	9843.9
8°	9223.7	9285.9	9341.7	9418.2	9522.7	9655.8	9798.5	9892.5	9905.3	9835.1	9726.7
9°	9081.1	9155.2	9226.9	9303.5	9400.7	9522.7	9665.4	9761.8	9774.6	9705.2	9597.6
10°	8912.9	9004.5	9089.0	9179.1	9265.2	9371.2	9503.5	9604.8	9621.5	9554.6	9470.9
11°	8722.3	8826.0	8928.8	9034.8	9122.5	9199.0	9313.0	9411.9	9435.8	9382.4	9330.6
12°	8498.3	8609.9	8730.3	8867.4	8959.1	9014.1	9098.6	9189.5	9219.8	9191.1	9179.1
13°	8238.5	8355.7	8498.3	8670.5	8775.7	8796.5	8863.4	8944.7	8976.6	8975.8	9009.3
14°	7948.5	8081.4	8233.7	8440.1	8557.3	8566.9	8599.6	8672.9	8708.8	8740.7	8817.2
15°	7639.4	7792.2	7955.5	8177.9	8315.0	8310.2	8317.4	8370.8	8423.4	8484.0	8598.8
16°	7315.5	7498.6	7660.1	7881.2	8022.4	8015.3	8008.9	8040.0	8106.9	8207.4	8350.1
17°	6983.7	7204.9	7368.0	7559.3	7695.5	7698.7	7669.3	7678.5	7764.6	7896.3	8055.1
18°	6629.4	6897.6	7062.8	7219.2	7335.7	7348.9	7301.2	7292.3	7389.4	7567.6	7725.1
19°	6249.4	6556.3	6737.5	6860.2	6943.0	6964.7	6903.1	6880.6	6992.9	7199.2	7352.5
20°	5836.4	6172.8	6368.5	6472.3	6517.7	6550.4	6480.3	6450.2	6567.3	6794.4	6956.4
21°	5394.3	5740.9	5953.4	6042.5	6065.4	6115.6	6038.2	6010.1	6130.0	6368.1	6526.7
22°	4932.3	5279.7	5501.0	5578.4	5601.9	5656.5	5589.1	5564.7	5689.2	5919.6	6079.2
23°	4474.5	4805.7	5027.7	5087.9	5113.4	5186.1	5134.8	5120.4	5240.5	5461.4	5606.3
24°	4026.2	4333.6	4537.1	4607.9	4638.0	4710.5	4681.0	4674.3	4798.6	4995.1	5127.9
25°	3613.2	3873.2	4069.7	4136.1	4163.9	4258.3	4231.6	4236.3	4362.9	4539.5	4650.9
26°	3229.6	3445.7	3618.2	3690.9	3721.0	3796.9	3789.1	3807.1	3929.8	4085.4	4189.5
27°	2902.4	3081.8	3228.5	3297.5	3317.8	3379.5	3378.6	3405.6	3520.5	3658.5	3748.4
28°	2625.9	2770.2	2882.1	2941.6	2955.3	2994.1	3005.1	3038.6	3134.8	3255.4	3340.0
29°	2408.5	2532.2	2613.5	2650.0	2646.2	2663.3	2683.9	2728.6	2804.3	2897.1	2974.4
30°	2237.5	2344.3	2397.2	2406.1	2386.3	2391.3	2424.4	2475.7	2530.0	2589.0	2652.8
31°	2102.0	2202.5	2236.8	2215.7	2177.8	2177.2	2220.5	2276.4	2313.9	2338.3	2393.2
32°	1995.2	2088.8	2104.3	2060.1	2012.8	2007.0	2059.2	2118.5	2143.3	2144.2	2180.5
33°	1907.6	1996.8	2003.9	1937.5	1876.6	1874.6	1929.8	1993.2	2005.8	1985.7	2011.0
34°	1832.2	1923.8	1915.9	1836.9	1768.7	1766.1	1825.9	1890.9	1896.6	1859.6	1875.6
35°	1767.1	1861.3	1841.4	1750.9	1674.7	1675.4	1737.2	1803.8	1805.2	1756.0	1763.0
36°	1707.4	1804.9	1775.4	1674.4	1594.0	1596.3	1660.5	1730.2	1725.8	1666.7	1670.0
37°	1649.1	1749.7	1712.4	1605.0	1527.6	1530.9	1593.1	1662.3	1652.7	1588.1	1589.0
38°	1588.2	1691.8	1650.5	1541.9	1461.1	1465.6	1533.2	1601.1	1585.4	1516.6	1517.2
39°	1525.1	1631.8	1587.1	1478.9	1394.6	1400.3	1473.4	1540.5	1522.1	1449.3	1449.7
40°	1462.0	1568.1	1517.8	1415.9	1327.0	1333.9	1413.5	1477.4	1455.3	1383.0	1383.6
41°	1398.7	1501.7	1448.5	1347.0	1259.5	1267.6	1348.3	1411.0	1387.3	1317.1	1318.6
42°	1324.4	1435.2	1378.8	1273.0	1191.4	1200.4	1280.0	1341.5	1314.4	1249.0	1251.9
43°	1251.6	1361.4	1299.5	1198.7	1121.6	1133.0	1210.1	1266.3	1237.0	1181.2	1183.4
44°	1179.7	1286.5	1220.9	1120.9	1049.8	1063.7	1140.1	1190.1	1155.6	1110.4	1115.3

REPORT NUMBER: P1440280

CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-Position 2

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	1111.5	1214.0	1142.5	1045.1	977.7	989.3	1068.6	1115.5	1073.0	1039.0	1047.0
46°	1044.7	1143.9	1071.4	974.7	910.2	917.3	999.2	1043.5	991.3	965.3	980.2
47°	971.2	1064.8	998.7	911.8	847.5	848.1	930.5	977.5	918.7	895.0	916.2
48°	887.0	983.0	912.2	834.1	778.2	774.0	856.1	906.1	843.4	828.6	854.1
49°	810.9	908.6	827.9	745.7	690.6	685.1	775.1	832.3	767.0	759.3	780.8
50°	746.7	858.1	765.2	666.5	597.4	606.4	689.1	755.7	708.9	689.5	710.9
51°	687.3	793.9	719.2	601.4	511.6	538.2	613.0	700.2	650.8	619.8	628.6
52°	639.8	728.1	665.5	529.8	434.9	466.7	555.0	644.9	592.8	550.0	546.0
53°	611.6	690.4	635.6	494.7	390.9	420.9	517.4	589.6	544.2	499.4	497.7
54°	576.3	655.6	604.0	454.6	345.1	387.2	490.2	540.3	495.8	458.7	460.6
55°	540.0	610.2	555.3	411.6	300.2	356.7	468.2	495.5	450.3	424.2	426.0
56°	488.8	558.8	502.8	371.0	263.3	331.6	444.7	458.7	411.3	397.6	394.8
57°	440.3	504.9	454.7	332.5	238.2	311.3	413.8	418.9	371.8	372.9	364.7
58°	404.6	458.5	411.8	298.1	221.1	292.6	383.4	382.0	331.6	338.9	337.2
59°	366.3	421.3	372.0	271.4	206.1	266.9	363.1	353.1	309.5	310.9	311.1
60°	326.1	380.8	332.8	251.3	192.8	240.9	332.4	323.5	279.3	292.9	287.1
61°	293.3	338.8	296.8	227.4	180.4	221.2	298.5	292.4	245.8	268.8	264.3
62°	265.1	301.9	264.2	204.5	169.4	205.8	273.3	269.6	221.6	244.3	242.6
63°	238.4	268.0	237.7	186.1	158.4	190.6	253.6	249.5	200.7	221.0	223.0
64°	218.1	239.3	214.5	171.2	148.9	176.3	230.9	229.2	182.7	201.4	204.5
65°	198.2	213.2	194.7	156.4	140.0	162.1	209.8	210.2	168.4	184.9	187.4
66°	179.9	191.6	177.3	144.4	131.2	147.9	190.6	192.3	155.3	169.2	171.9
67°	161.6	170.1	159.9	132.6	122.4	135.6	172.1	174.8	143.6	154.4	157.4
68°	143.3	148.7	142.5	120.8	113.7	124.8	153.7	158.0	132.2	140.1	142.8
69°	127.4	130.3	127.0	109.6	105.4	113.9	138.4	142.0	121.2	126.2	128.0
70°	111.6	114.3	112.7	100.6	97.2	103.4	124.0	127.0	110.5	113.0	114.2
71°	97.9	100.6	99.7	94.5	88.9	93.5	111.3	113.7	100.0	100.3	101.7
72°	85.5	88.2	87.9	90.2	80.8	84.5	99.6	104.8	90.4	89.3	90.5
73°	74.4	76.6	76.9	79.7	72.6	76.1	88.6	96.1	81.2	79.2	80.2
74°	63.9	66.0	66.4	67.7	64.4	67.8	78.1	82.8	72.4	70.4	71.3
75°	54.4	56.6	56.7	58.1	56.7	59.9	68.2	70.6	64.2	61.7	61.9
76°	46.3	48.2	48.3	49.4	49.4	52.4	58.5	60.8	55.9	53.0	52.6
77°	39.0	40.8	40.8	42.1	42.4	45.1	50.2	51.1	47.7	45.4	44.7
78°	32.4	34.2	33.9	35.6	35.5	38.2	42.6	43.4	40.5	38.5	37.3
79°	26.6	28.2	27.8	30.0	29.4	32.3	35.8	36.7	34.0	32.4	31.0
80°	21.4	22.8	22.4	24.7	24.0	26.7	29.4	30.0	27.8	26.5	25.3
81°	17.7	18.9	18.5	20.1	19.7	21.9	23.8	24.3	22.1	21.2	20.2
82°	14.0	15.0	14.5	15.6	15.4	17.1	19.5	19.5	17.6	16.6	15.3
83°	10.3	11.1	10.7	11.1	11.1	12.4	15.2	15.2	13.2	12.3	10.9
84°	8.3	9.0	8.7	8.0	8.8	9.7	10.9	11.1	10.1	9.1	7.5
85°	5.9	6.4	6.3	5.0	6.4	7.2	7.9	7.3	7.5	6.6	5.0
86°	3.0	3.3	3.5	2.7	3.7	4.5	4.9	4.7	4.8	4.0	2.6
87°	1.0	1.1	1.2	1.2	1.5	1.9	2.2	2.1	2.1	1.4	0.8
88°	0.5	0.5	0.5	0.5	0.5	0.6	0.7	0.6	0.6	0.4	0.2
89°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1

REPORT NUMBER: P1440280

CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-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: P1440280

CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-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: P1440280
CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-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: P1440280

CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-Position 2

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	10143.6	10143.6	10143.6
1°	10169.9	10166.0	10154.0
2°	10162.8	10138.9	10116.5
3°	10121.3	10081.5	10046.4
4°	10047.2	9990.6	9948.3
5°	9953.1	9879.8	9830.4
6°	9847.1	9761.8	9703.6
7°	9730.7	9642.2	9578.5
8°	9611.9	9525.9	9466.9
9°	9500.3	9415.9	9352.1
10°	9384.8	9302.7	9230.1
11°	9262.8	9176.7	9088.2
12°	9133.7	9030.8	8918.4
13°	8975.8	8846.7	8716.8
14°	8789.3	8635.4	8488.0
15°	8566.1	8397.1	8235.3
16°	8314.2	8140.4	7971.4
17°	8037.6	7866.4	7692.5
18°	7728.1	7578.2	7402.1
19°	7393.7	7281.3	7101.1
20°	7033.0	6970.6	6783.1
21°	6640.2	6623.7	6429.1
22°	6223.3	6234.7	6034.2
23°	5761.9	5807.7	5604.2
24°	5284.3	5340.9	5148.1
25°	4805.7	4866.5	4690.5
26°	4328.3	4381.5	4227.8
27°	3872.9	3914.1	3781.0
28°	3444.6	3470.0	3363.8
29°	3059.6	3077.5	3007.2
30°	2729.5	2746.2	2712.8
31°	2462.5	2493.0	2481.3
32°	2251.4	2295.5	2300.8
33°	2084.5	2143.8	2162.2
34°	1952.6	2027.1	2052.6
35°	1844.5	1932.2	1963.9
36°	1757.9	1856.4	1890.3
37°	1683.1	1790.9	1826.7
38°	1613.7	1730.4	1767.7
39°	1546.3	1668.1	1707.7
40°	1479.7	1601.5	1643.3
41°	1412.0	1533.5	1576.2
42°	1339.6	1462.8	1503.8
43°	1270.0	1390.8	1427.6
44°	1200.3	1314.0	1347.8

REPORT NUMBER: P1440280

CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-Position 2

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	1128.9	1234.5	1261.0
46°	1057.4	1153.5	1173.0
47°	984.9	1074.5	1087.5
48°	915.2	995.9	1007.7
49°	841.7	912.5	923.1
50°	756.0	827.4	845.2
51°	684.3	735.2	784.1
52°	612.9	670.1	708.2
53°	541.4	605.8	639.6
54°	493.3	541.5	571.3
55°	453.8	501.8	523.9
56°	425.1	462.5	469.8
57°	390.2	416.8	417.8
58°	356.6	376.7	367.6
59°	326.4	343.2	332.5
60°	298.6	306.7	297.5
61°	274.2	274.5	266.0
62°	249.5	249.9	237.7
63°	225.7	226.8	214.1
64°	205.1	205.9	191.7
65°	186.9	186.2	172.8
66°	168.9	168.8	156.8
67°	151.4	154.1	142.3
68°	135.8	139.8	128.7
69°	121.1	126.2	116.1
70°	108.7	113.0	103.9
71°	97.4	101.0	93.2
72°	89.3	90.0	82.8
73°	85.4	79.3	73.0
74°	75.9	69.8	64.6
75°	63.4	60.4	56.1
76°	52.9	51.0	47.6
77°	45.5	42.9	40.5
78°	38.2	35.3	33.4
79°	30.9	28.3	26.3
80°	24.8	22.0	20.5
81°	19.0	16.6	15.6
82°	14.2	12.2	11.6
83°	10.1	8.9	8.3
84°	7.2	6.3	5.8
85°	4.4	3.7	3.4
86°	1.5	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: P1440280

CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-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: P1440280

CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-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: P1440280

CATALOG NUMBER: XSF60-KNYK-5Hx5V-830-Position 2

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)