

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: P1440291

Luminaire Tested: XSF60-KNYK-6Hx6V-830-Position 1

Issue Date: 04/15/2026

Test Information

Test Method: LM-79-2024
Report Number: P1440291
Test Lab: THIRD PARTY NVLAP
Issue Date: 7/15/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XSF60-KNYK-6Hx6V-830-Position 1
Description: LUMARK ALL SELECTABLE LUMINAIRE 60W w/ NEMA 6 FLOOD DISTRIBUTION 3000K CCT 80 CRI LIGHT ENGINE AT Position 1
Light Source: (1) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9243.4 lumens
Efficiency: N/A
Efficacy: 146.7 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): 63
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

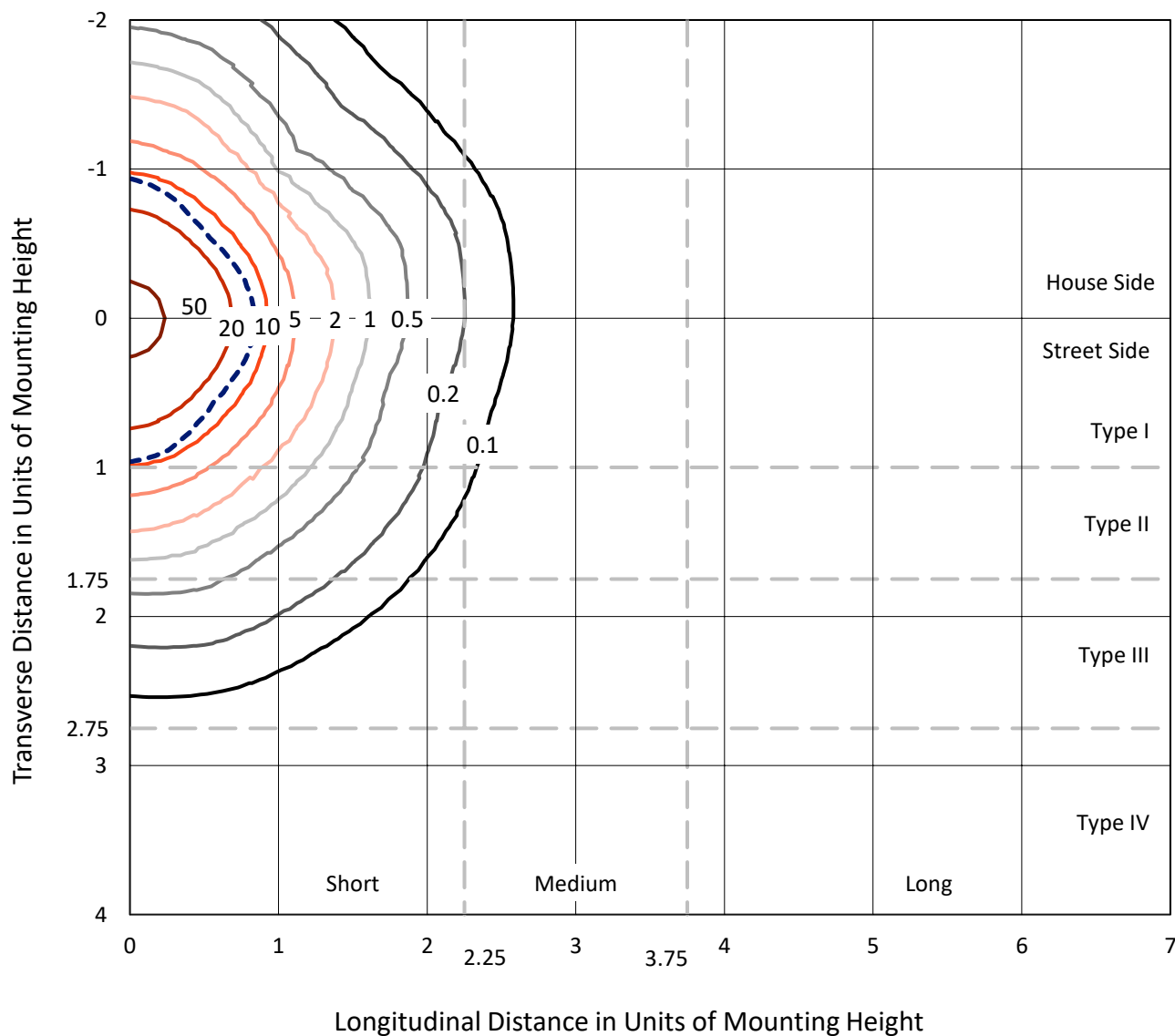
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



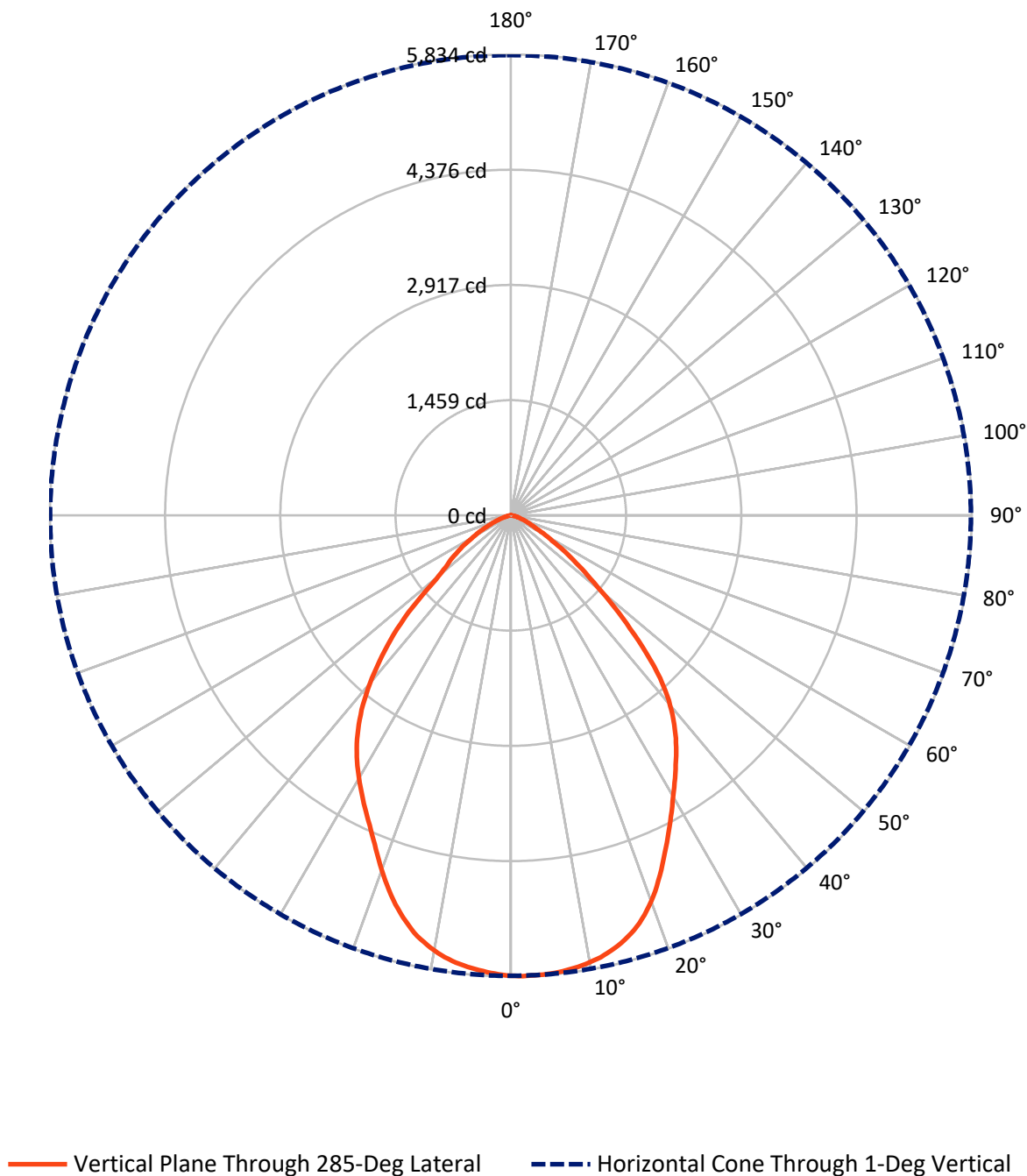
Based on 10 foot mounting height. Maximum calculated value = 58.3 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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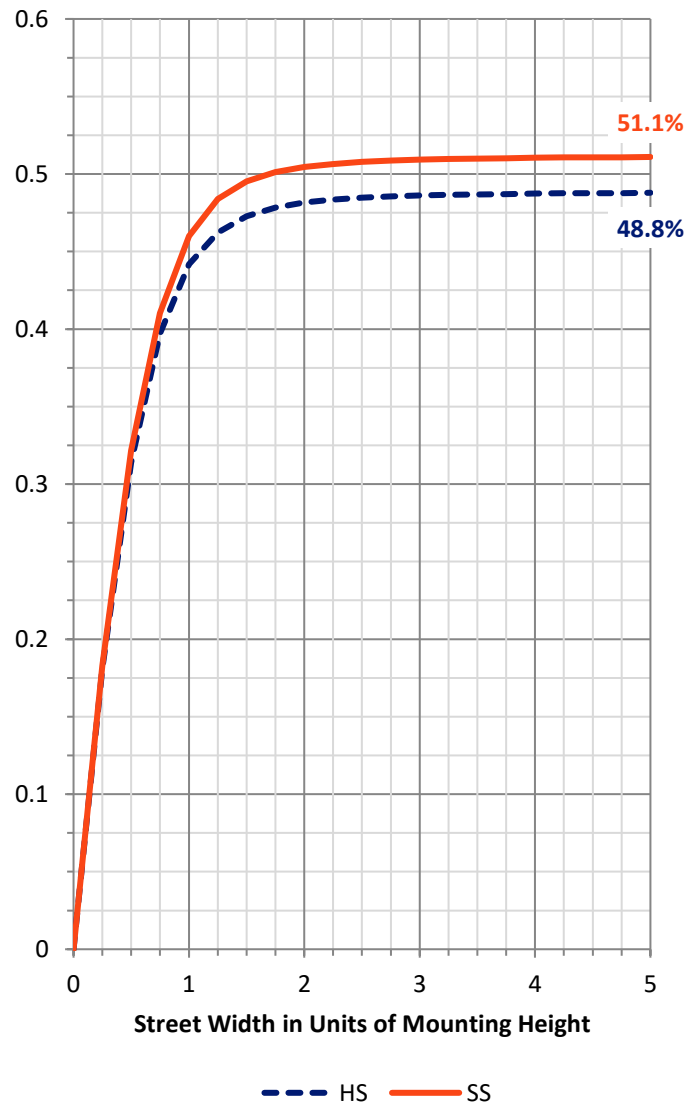
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4538.2	0.0	4538.2
	% Fixture	49.1	0.0	49.1
Street Side	Lumens	4705.2	0.0	4705.2
	% Fixture	50.9	0.0	50.9
Total	Lumens	9243.4	0.0	9243.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	549.3	5.9
10°-20°	1523.4	16.5
20°-30°	2059.3	22.3
30°-40°	2192.3	23.7
40°-50°	1707.8	18.5
50°-60°	786.2	8.5
60°-70°	315.4	3.4
70°-80°	98.0	1.1
80°-90°	11.7	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°	9243.4	100.0
0°-180°	9243.4	100.0

Coefficient of Utilization



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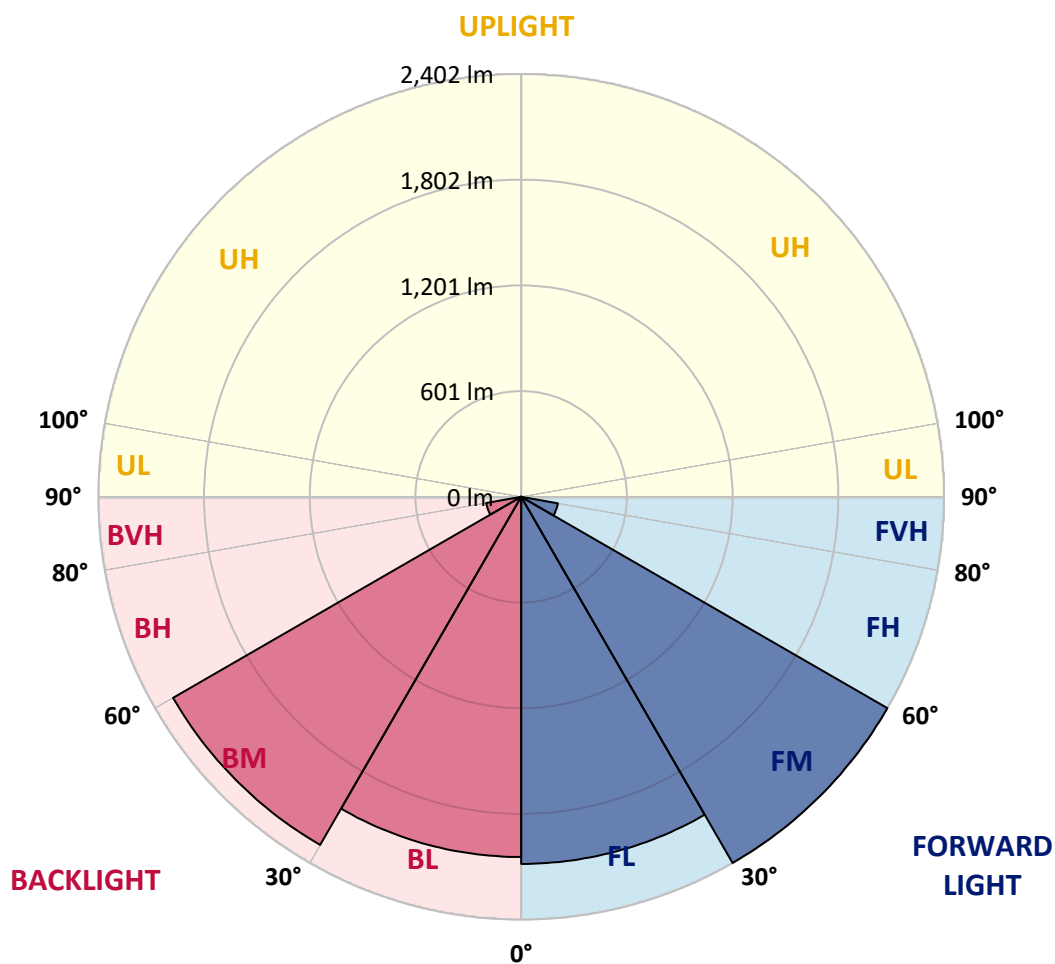
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2085.7	22.6			
FM	(30°-60°)	2402.4	26.0			
FH	(60°-80°)	211.5	2.3			G0/660
FVH	(80°-90°)	5.6	0.1			G0/10
BL	(0°-30°)	2046.4	22.1	B3/2500		
BM	(30°-60°)	2283.9	24.7	B2/2500		
BH	(60°-80°)	201.9	2.2	B1/500		G0/660
BVH	(80°-90°)	6.0	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



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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	5829.0	5829.0	5829.0	5829.0	5829.0	5829.0	5829.0	5829.0	5829.0	5829.0	5829.0
1°	5827.5	5827.2	5826.5	5825.9	5822.5	5822.8	5823.6	5822.7	5824.3	5823.8	5825.4
2°	5826.2	5823.5	5820.2	5819.6	5818.2	5814.3	5813.2	5810.0	5812.4	5815.6	5817.2
3°	5822.5	5818.5	5814.2	5809.9	5805.4	5802.3	5796.7	5797.9	5799.6	5803.4	5806.3
4°	5814.0	5808.1	5802.0	5796.8	5790.7	5785.1	5781.7	5778.7	5782.4	5786.5	5789.2
5°	5802.9	5794.1	5788.4	5778.3	5770.6	5765.4	5760.6	5759.4	5760.7	5764.2	5770.4
6°	5787.9	5778.4	5766.1	5757.5	5748.9	5743.3	5739.4	5739.3	5738.0	5740.8	5750.4
7°	5768.5	5758.9	5747.1	5734.8	5725.1	5718.3	5717.6	5715.7	5715.5	5718.4	5727.8
8°	5752.9	5739.1	5724.1	5711.5	5698.2	5690.2	5689.1	5687.6	5689.6	5694.1	5703.6
9°	5732.8	5715.4	5699.3	5685.2	5668.3	5659.5	5653.7	5653.5	5655.5	5661.7	5675.7
10°	5708.5	5689.9	5670.5	5652.5	5634.4	5622.4	5613.0	5613.8	5619.6	5626.1	5638.3
11°	5680.3	5657.4	5634.7	5613.9	5596.2	5580.8	5568.5	5567.1	5574.1	5585.6	5599.3
12°	5644.5	5620.1	5595.7	5570.6	5551.5	5531.6	5517.6	5513.2	5523.5	5536.8	5554.1
13°	5604.6	5578.7	5551.8	5523.2	5497.5	5475.9	5458.1	5458.0	5466.4	5482.1	5500.4
14°	5560.4	5530.1	5499.8	5469.3	5440.1	5412.8	5389.1	5387.6	5398.6	5419.2	5436.7
15°	5508.2	5474.6	5441.5	5409.1	5374.1	5340.1	5312.1	5308.4	5322.9	5348.4	5365.4
16°	5446.1	5408.2	5372.2	5340.4	5298.4	5261.1	5228.3	5225.3	5240.1	5266.0	5285.0
17°	5374.4	5337.6	5295.3	5262.1	5213.0	5172.2	5137.5	5135.8	5149.6	5174.9	5197.8
18°	5297.6	5256.5	5213.8	5172.1	5118.6	5079.0	5039.1	5038.2	5053.0	5077.1	5102.4
19°	5213.2	5168.0	5126.6	5077.1	5021.0	4978.6	4938.5	4936.1	4948.3	4973.3	5002.7
20°	5125.0	5079.3	5030.2	4971.3	4915.5	4872.2	4835.9	4829.4	4838.3	4860.9	4897.7
21°	5035.0	4984.5	4933.1	4862.4	4803.5	4764.6	4733.1	4721.5	4719.4	4744.1	4780.4
22°	4941.4	4883.2	4822.2	4745.3	4684.8	4655.9	4627.2	4610.3	4601.9	4625.2	4663.8
23°	4840.6	4775.5	4705.3	4622.5	4564.6	4548.9	4528.3	4504.5	4481.8	4496.2	4540.2
24°	4739.8	4671.9	4588.8	4499.7	4446.6	4447.3	4437.9	4405.1	4367.2	4369.1	4427.0
25°	4645.8	4576.3	4477.7	4379.5	4331.8	4351.9	4355.6	4309.5	4253.4	4244.1	4315.9
26°	4560.5	4485.7	4368.6	4260.0	4218.5	4260.8	4275.5	4221.2	4145.3	4128.8	4206.3
27°	4480.0	4399.1	4263.7	4142.3	4111.6	4173.1	4196.1	4136.0	4042.4	4011.7	4098.4
28°	4401.7	4312.4	4157.8	4028.4	4009.3	4087.3	4118.5	4052.7	3939.3	3899.3	3995.6
29°	4331.2	4228.8	4059.3	3918.9	3906.8	4003.2	4042.4	3968.9	3840.0	3788.5	3893.0
30°	4265.8	4149.3	3959.5	3809.7	3803.9	3919.8	3967.6	3886.1	3742.9	3680.5	3792.5
31°	4197.5	4069.7	3861.1	3703.9	3706.2	3836.2	3889.1	3801.5	3651.8	3579.7	3696.3
32°	4131.3	3993.9	3764.6	3603.2	3609.7	3753.8	3807.5	3715.8	3562.5	3479.2	3603.0
33°	4069.9	3922.2	3669.3	3502.0	3515.9	3664.8	3723.0	3627.1	3471.8	3381.8	3511.0
34°	4008.7	3852.4	3578.5	3402.0	3418.0	3575.3	3632.9	3533.4	3379.1	3283.4	3418.6
35°	3945.7	3782.8	3486.7	3298.3	3316.5	3478.0	3537.0	3432.3	3277.5	3182.7	3323.4
36°	3882.2	3710.0	3395.3	3189.8	3217.1	3376.0	3430.4	3327.2	3165.5	3075.1	3222.5
37°	3813.6	3629.9	3300.4	3083.4	3114.6	3271.5	3318.8	3217.4	3047.3	2954.6	3112.9
38°	3736.5	3535.7	3204.5	2981.8	3009.2	3156.7	3201.9	3100.7	2920.0	2825.2	2992.8
39°	3643.1	3429.5	3099.8	2872.6	2896.2	3035.3	3077.8	2973.6	2789.8	2693.0	2869.0
40°	3527.7	3314.4	2979.2	2754.3	2774.1	2899.4	2946.5	2840.2	2656.5	2560.0	2733.9
41°	3403.8	3187.9	2844.5	2626.8	2644.7	2755.6	2798.8	2705.6	2517.0	2424.2	2592.2
42°	3257.1	3046.8	2700.5	2491.7	2504.9	2596.7	2639.4	2556.2	2367.1	2282.8	2443.8
43°	3094.9	2893.3	2552.2	2349.4	2363.5	2429.6	2478.7	2411.1	2215.0	2134.0	2294.9
44°	2925.2	2723.8	2402.1	2205.1	2217.5	2266.0	2321.4	2262.3	2069.4	2003.2	2155.9

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CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	2733.6	2550.4	2246.6	2060.0	2075.0	2112.7	2168.7	2122.7	1923.9	1872.3	2026.7
46°	2537.8	2376.5	2091.2	1920.5	1936.7	1961.5	2003.0	1953.9	1777.3	1741.4	1897.5
47°	2346.3	2208.3	1937.6	1783.8	1781.1	1790.0	1837.3	1784.5	1586.1	1604.7	1767.0
48°	2163.9	2043.1	1775.6	1624.8	1615.4	1629.9	1671.7	1595.1	1397.7	1435.1	1591.8
49°	1971.6	1861.2	1584.6	1449.9	1452.2	1475.2	1514.6	1404.3	1229.1	1265.0	1397.6
50°	1791.9	1668.5	1391.6	1261.8	1299.3	1323.4	1381.5	1244.3	1049.9	1050.2	1223.8
51°	1654.1	1467.3	1231.2	1106.1	1167.3	1210.3	1277.1	1136.0	917.2	881.8	1056.4
52°	1494.2	1281.5	1105.3	993.3	1051.7	1109.1	1183.3	1055.0	823.5	748.7	943.2
53°	1277.6	1165.7	984.8	928.7	947.0	1002.1	1098.8	991.9	743.9	645.6	877.0
54°	1163.3	1077.6	906.2	864.5	873.7	912.3	1000.8	943.7	678.6	546.5	804.4
55°	1061.4	956.4	828.2	800.3	800.3	822.7	916.9	881.4	619.0	463.1	718.8
56°	937.8	866.6	750.2	727.4	727.0	733.0	843.8	819.7	563.6	394.9	629.3
57°	824.8	777.7	678.8	666.7	684.4	670.5	768.5	757.4	521.5	354.9	557.1
58°	712.0	688.9	616.8	609.6	622.5	596.7	695.4	713.6	479.6	327.3	492.9
59°	632.8	632.1	564.3	553.2	574.2	535.2	630.1	643.8	425.4	304.1	442.6
60°	558.0	594.4	516.6	501.6	523.6	458.7	577.6	574.3	386.1	282.7	399.2
61°	488.5	538.3	463.4	456.3	470.0	394.6	518.6	529.8	363.9	264.1	360.2
62°	429.1	473.8	415.8	413.8	420.3	361.2	466.6	487.8	333.5	247.5	326.3
63°	380.9	416.9	373.1	374.4	379.6	332.7	426.0	444.3	303.1	232.0	297.1
64°	333.6	375.9	338.1	341.0	345.1	299.5	382.8	395.0	275.4	216.9	271.0
65°	295.1	335.6	308.2	311.4	311.8	269.7	341.9	350.7	250.3	201.9	245.8
66°	263.8	299.1	278.4	283.2	281.3	244.1	302.3	309.4	228.0	187.1	223.8
67°	236.3	266.4	250.5	256.1	252.2	221.5	265.1	271.1	205.8	172.8	201.9
68°	211.7	235.5	224.3	228.5	224.0	200.4	235.1	241.5	183.5	159.4	180.0
69°	188.5	206.4	198.7	201.4	198.1	179.7	205.1	211.8	166.5	146.4	161.1
70°	167.3	180.2	173.8	177.0	175.3	160.7	175.4	182.4	151.3	134.1	144.7
71°	148.2	158.0	152.0	154.6	155.0	143.8	154.8	162.3	137.2	122.3	128.5
72°	130.4	138.3	132.4	136.2	136.5	128.4	136.5	143.4	123.4	110.4	113.6
73°	113.3	119.8	114.5	119.6	120.2	113.8	119.9	125.5	110.1	98.8	99.8
74°	98.4	103.4	98.5	104.9	104.8	100.4	104.1	109.3	97.5	87.7	87.2
75°	85.4	89.2	85.0	91.4	91.8	88.0	89.8	93.6	85.3	77.0	74.8
76°	72.4	75.1	71.4	77.7	78.3	75.6	76.3	79.4	73.7	67.0	62.8
77°	59.5	60.9	57.8	64.1	64.7	63.1	64.8	67.5	63.2	57.4	52.8
78°	48.2	48.5	47.6	52.8	54.6	53.5	55.0	56.9	53.4	47.8	43.9
79°	37.1	38.3	38.8	43.5	45.2	44.3	45.5	47.0	44.6	39.4	36.4
80°	28.1	29.5	30.7	35.3	36.1	36.0	36.3	38.5	36.5	32.5	29.9
81°	21.1	22.2	23.2	28.4	29.7	29.7	29.6	31.3	28.9	26.4	24.3
82°	15.6	17.4	18.3	21.6	23.0	23.8	23.9	25.1	23.1	20.3	18.6
83°	11.1	12.1	12.4	15.0	16.2	17.5	18.3	18.9	17.2	14.2	13.0
84°	7.2	8.4	8.7	9.1	10.8	12.0	12.6	12.7	11.4	9.7	8.8
85°	3.3	4.8	5.1	5.6	6.9	8.5	8.1	8.2	7.4	6.1	5.5
86°	1.0	1.1	1.5	2.2	3.1	5.1	4.5	4.5	4.0	3.3	3.0
87°	0.4	0.4	0.4	0.6	1.0	1.6	1.6	1.8	1.7	1.3	1.3
88°	0.2	0.1	0.2	0.2	0.2	0.3	0.4	0.4	0.5	0.5	0.6
89°	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2

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CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P1440291

CATALOG NUMBER: XSF60-KNYK-6Hx6V-830-Position 1

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: P1440291
CATALOG NUMBER: XSF60-KNYK-6Hx6V-830-Position 1

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: P1440291

CATALOG NUMBER: XSF60-KNYK-6Hx6V-830-Position 1

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	5829.0	5829.0	5829.0	5829.0	5829.0	5829.0	5829.0	5829.0	5829.0	5829.0	5829.0
1°	5826.5	5827.1	5828.9	5829.9	5829.6	5831.3	5829.6	5831.9	5834.3	5830.9	5830.9
2°	5821.7	5821.9	5823.7	5825.7	5828.3	5829.2	5830.0	5832.0	5830.3	5830.3	5829.7
3°	5810.5	5812.8	5816.5	5821.9	5825.5	5825.1	5829.6	5832.6	5827.9	5828.7	5827.5
4°	5794.1	5798.6	5803.2	5811.0	5816.1	5819.2	5823.2	5824.7	5825.8	5823.5	5825.8
5°	5776.0	5783.8	5792.1	5798.0	5805.0	5810.3	5815.7	5821.5	5819.2	5819.5	5821.2
6°	5758.2	5765.7	5774.5	5781.7	5791.7	5797.2	5802.7	5806.0	5807.0	5810.8	5812.4
7°	5737.7	5748.6	5758.8	5765.2	5773.7	5779.4	5785.0	5790.1	5792.3	5794.5	5796.7
8°	5715.2	5727.1	5737.2	5745.8	5755.9	5761.0	5765.8	5772.4	5775.8	5778.9	5776.6
9°	5686.0	5699.8	5712.4	5721.6	5732.8	5738.9	5743.5	5750.8	5756.2	5757.2	5754.8
10°	5652.2	5666.4	5680.6	5692.3	5706.3	5712.6	5719.9	5728.6	5731.2	5734.9	5734.6
11°	5612.6	5625.5	5639.5	5657.0	5674.3	5685.0	5692.8	5702.1	5707.6	5708.6	5711.1
12°	5568.0	5579.1	5598.0	5615.7	5632.4	5650.5	5660.8	5666.5	5671.7	5678.0	5681.2
13°	5512.5	5528.3	5547.5	5570.8	5588.7	5609.0	5616.5	5625.4	5632.7	5640.8	5645.8
14°	5449.8	5469.5	5489.0	5516.8	5539.9	5555.6	5568.3	5578.6	5588.9	5600.7	5607.5
15°	5378.9	5399.6	5422.6	5455.4	5484.5	5501.4	5510.4	5524.3	5536.3	5552.1	5561.5
16°	5301.9	5322.1	5348.9	5384.1	5417.6	5433.7	5446.1	5461.2	5479.0	5498.4	5506.7
17°	5216.4	5238.9	5268.4	5306.6	5341.5	5356.0	5372.3	5388.7	5410.4	5434.0	5448.1
18°	5124.5	5152.1	5184.9	5222.5	5254.4	5271.1	5285.1	5305.6	5331.5	5364.5	5379.0
19°	5028.3	5060.1	5095.0	5132.2	5159.1	5175.2	5189.0	5213.1	5243.6	5281.2	5299.4
20°	4923.8	4956.9	4995.9	5034.3	5054.0	5068.6	5084.9	5111.7	5147.9	5188.9	5213.6
21°	4812.7	4847.9	4886.6	4928.1	4944.7	4953.7	4969.7	5005.2	5043.5	5086.5	5117.3
22°	4708.1	4751.8	4785.8	4813.8	4823.8	4827.8	4853.2	4890.6	4929.0	4976.0	5012.9
23°	4605.9	4664.4	4695.5	4703.8	4698.0	4696.9	4728.6	4774.8	4815.3	4857.2	4898.8
24°	4511.2	4583.4	4611.4	4599.5	4566.0	4561.2	4603.2	4659.9	4700.2	4733.5	4774.1
25°	4429.3	4511.9	4530.6	4493.9	4435.3	4427.8	4476.7	4541.5	4587.9	4608.0	4647.9
26°	4347.3	4442.6	4455.6	4390.1	4305.4	4299.6	4356.0	4433.9	4477.0	4484.7	4522.9
27°	4265.9	4378.2	4380.0	4289.2	4179.9	4173.1	4243.7	4327.7	4368.8	4363.5	4394.6
28°	4183.9	4314.7	4306.2	4188.8	4062.6	4053.1	4136.7	4232.5	4265.1	4244.1	4264.2
29°	4106.1	4250.8	4232.1	4089.0	3947.3	3935.7	4031.9	4137.3	4160.6	4129.0	4140.6
30°	4033.2	4186.8	4159.2	3987.0	3832.5	3822.9	3934.0	4043.2	4062.5	4015.2	4015.1
31°	3958.8	4122.5	4086.8	3886.8	3721.1	3714.0	3838.2	3954.5	3969.0	3903.2	3895.5
32°	3886.4	4058.8	4017.1	3787.7	3613.3	3610.8	3744.3	3866.3	3876.7	3791.6	3778.4
33°	3812.9	3996.0	3943.9	3691.3	3509.6	3514.4	3651.1	3782.3	3783.2	3680.7	3666.8
34°	3737.3	3936.0	3867.3	3597.4	3407.5	3419.2	3560.9	3696.9	3695.4	3571.9	3554.6
35°	3658.5	3875.5	3788.9	3501.0	3306.2	3322.4	3466.7	3608.4	3605.2	3462.4	3443.8
36°	3575.5	3807.1	3704.0	3398.4	3203.4	3225.2	3370.0	3519.2	3511.1	3354.5	3334.7
37°	3483.3	3724.8	3610.5	3296.1	3097.7	3123.0	3275.0	3428.2	3412.0	3247.5	3227.1
38°	3376.1	3626.8	3506.8	3184.9	2987.2	3014.7	3177.4	3332.1	3307.0	3136.5	3119.9
39°	3255.2	3515.8	3389.0	3063.6	2871.3	2898.4	3072.8	3230.6	3197.3	3021.9	3007.3
40°	3119.5	3388.2	3255.6	2932.1	2744.3	2774.1	2956.4	3115.4	3078.9	2904.3	2893.9
41°	2973.7	3247.8	3103.7	2791.9	2611.0	2643.8	2829.0	2983.1	2944.9	2777.7	2772.1
42°	2815.8	3092.3	2935.8	2637.1	2471.4	2507.1	2691.1	2838.0	2796.9	2644.4	2640.2
43°	2653.6	2924.9	2760.6	2472.1	2324.3	2366.1	2542.9	2678.1	2632.8	2504.5	2495.5
44°	2498.6	2762.4	2587.4	2304.5	2167.2	2216.2	2391.8	2512.0	2455.1	2353.3	2348.2

REPORT NUMBER: P1440291

CATALOG NUMBER: XSF60-KNYK-6Hx6V-830-Position 1

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	2343.7	2601.0	2413.6	2139.7	2022.9	2062.6	2234.4	2345.2	2272.3	2196.1	2199.3
46°	2198.4	2447.4	2254.1	1989.2	1878.4	1909.1	2083.5	2182.2	2085.1	2034.0	2052.1
47°	2028.4	2266.2	2076.2	1838.9	1734.1	1755.5	1932.5	2034.5	1922.3	1876.9	1910.1
48°	1858.2	2116.2	1898.2	1687.0	1579.4	1588.3	1781.0	1871.1	1753.1	1730.7	1772.4
49°	1688.3	1966.3	1721.1	1484.2	1375.9	1384.8	1593.0	1706.0	1579.6	1574.1	1605.5
50°	1543.6	1816.5	1579.7	1310.4	1161.7	1203.6	1395.9	1530.9	1419.3	1409.0	1416.3
51°	1411.9	1670.8	1480.7	1167.8	968.7	1049.4	1223.1	1371.9	1289.4	1242.3	1224.7
52°	1310.7	1523.5	1362.3	1015.3	795.4	887.2	1091.5	1250.1	1178.6	1095.2	1066.2
53°	1254.6	1444.4	1303.9	944.4	700.5	784.4	1010.5	1164.6	1074.2	979.5	958.1
54°	1179.9	1368.0	1238.7	863.4	602.7	712.5	955.4	1061.0	970.6	906.3	886.8
55°	1101.2	1268.6	1130.2	772.4	506.6	649.1	913.4	966.8	881.1	833.2	816.5
56°	986.7	1154.3	1013.4	687.2	428.9	597.1	865.9	888.7	792.0	760.1	746.2
57°	878.9	1031.7	908.7	606.2	379.7	557.4	801.9	810.7	702.9	709.9	683.2
58°	802.2	929.1	815.3	534.8	349.4	521.2	740.1	732.8	613.3	638.0	628.9
59°	719.3	846.9	730.6	480.6	323.1	468.2	701.2	672.2	568.9	577.2	578.0
60°	630.2	756.4	644.9	443.1	300.7	415.0	635.2	611.1	506.5	542.3	530.5
61°	558.9	663.7	568.1	393.7	280.5	375.6	563.0	544.3	433.6	492.6	484.7
62°	497.3	582.0	495.6	346.6	262.3	347.3	509.5	496.4	383.8	442.1	442.4
63°	438.8	508.2	437.9	308.8	245.7	317.8	468.6	455.4	341.0	392.6	403.5
64°	396.5	446.1	388.6	277.8	230.0	291.2	420.6	410.3	304.4	353.2	365.3
65°	355.1	390.2	346.8	250.6	214.4	264.9	375.2	367.3	276.1	320.9	330.2
66°	315.5	344.0	307.7	228.6	198.7	242.4	334.4	327.1	250.9	290.8	299.3
67°	279.6	300.4	274.3	206.7	184.0	219.9	296.0	290.0	228.9	262.1	270.3
68°	246.9	260.4	243.8	184.7	169.2	197.4	261.5	255.2	207.8	234.6	241.2
69°	214.1	226.1	213.3	166.1	156.0	179.6	233.8	223.6	187.8	208.6	212.4
70°	181.4	192.0	183.0	148.7	143.4	162.5	206.0	194.8	168.8	184.3	185.5
71°	155.8	166.5	159.0	132.2	131.1	146.4	178.3	170.4	150.5	161.6	161.9
72°	133.4	143.1	137.9	117.5	118.8	131.9	157.7	149.7	134.6	142.1	141.8
73°	114.1	121.5	118.8	103.8	106.4	118.5	139.2	130.8	119.8	125.0	124.5
74°	96.1	102.4	101.2	91.1	94.7	105.5	121.6	114.0	106.2	109.7	108.9
75°	80.6	85.9	84.8	78.9	83.2	92.8	105.0	98.6	92.6	95.3	94.5
76°	67.4	71.5	71.0	66.8	72.7	80.7	88.7	85.6	80.5	83.0	81.6
77°	56.2	59.6	59.4	56.2	62.5	69.1	74.9	72.7	68.5	70.8	68.7
78°	46.3	49.3	49.1	47.3	52.6	58.2	63.1	59.8	57.8	58.6	55.8
79°	37.8	40.1	40.1	39.5	43.8	49.2	53.0	50.4	49.1	49.3	46.5
80°	30.4	32.1	32.3	32.4	36.2	40.9	43.8	40.5	40.4	40.2	38.2
81°	24.8	26.3	26.3	26.5	29.3	33.0	35.6	32.3	32.2	32.1	30.7
82°	19.1	20.5	20.4	20.7	23.6	26.5	28.4	26.1	25.9	25.4	23.5
83°	13.6	14.7	14.4	14.9	17.8	20.1	22.3	20.3	19.5	18.8	16.7
84°	9.2	10.0	10.0	10.3	12.1	13.6	16.2	14.9	14.0	13.0	10.7
85°	5.8	6.3	6.3	6.6	7.8	9.3	10.1	10.0	9.2	9.3	6.9
86°	2.9	3.2	3.4	3.7	4.3	5.6	6.1	6.5	6.1	5.6	3.1
87°	1.3	1.3	1.5	1.6	1.9	2.8	3.2	3.1	3.1	1.9	1.0
88°	0.7	0.7	0.7	0.7	0.7	0.9	0.9	0.8	0.9	0.5	0.3
89°	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.1

REPORT NUMBER: P1440291

CATALOG NUMBER: XSF60-KNYK-6Hx6V-830-Position 1

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: P1440291

CATALOG NUMBER: XSF60-KNYK-6Hx6V-830-Position 1

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: P1440291
CATALOG NUMBER: XSF60-KNYK-6Hx6V-830-Position 1

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: P1440291

CATALOG NUMBER: XSF60-KNYK-6Hx6V-830-Position 1

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	5829.0	5829.0	5829.0
1°	5830.0	5829.3	5827.5
2°	5829.0	5828.6	5826.2
3°	5828.9	5826.5	5822.5
4°	5824.9	5820.9	5814.0
5°	5816.1	5811.2	5802.9
6°	5805.3	5798.4	5787.9
7°	5788.3	5780.7	5768.5
8°	5770.0	5763.8	5752.9
9°	5753.4	5743.7	5732.8
10°	5731.2	5726.4	5708.5
11°	5706.5	5697.8	5680.3
12°	5676.7	5664.6	5644.5
13°	5641.6	5628.4	5604.6
14°	5600.0	5585.9	5560.4
15°	5555.1	5538.6	5508.2
16°	5500.6	5480.3	5446.1
17°	5439.0	5414.9	5374.4
18°	5371.6	5339.6	5297.6
19°	5295.2	5260.1	5213.2
20°	5209.1	5172.8	5125.0
21°	5116.9	5084.5	5035.0
22°	5017.1	4988.4	4941.4
23°	4907.3	4886.7	4840.6
24°	4792.6	4782.0	4739.8
25°	4679.0	4674.0	4645.8
26°	4562.1	4577.4	4560.5
27°	4448.9	4488.2	4480.0
28°	4335.6	4400.6	4401.7
29°	4230.4	4316.0	4331.2
30°	4120.9	4232.5	4265.8
31°	4014.7	4150.8	4197.5
32°	3915.6	4074.2	4131.3
33°	3816.5	3999.1	4069.9
34°	3718.5	3926.3	4008.7
35°	3616.2	3854.4	3945.7
36°	3520.9	3787.0	3882.2
37°	3427.9	3713.9	3813.6
38°	3324.1	3634.3	3736.5
39°	3210.0	3537.3	3643.1
40°	3086.8	3418.2	3527.7
41°	2954.5	3287.2	3403.8
42°	2807.5	3147.1	3257.1
43°	2660.2	2996.4	3094.9
44°	2509.8	2835.9	2925.2

REPORT NUMBER: P1440291

CATALOG NUMBER: XSF60-KNYK-6Hx6V-830-Position 1

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	2352.7	2658.2	2733.6
46°	2194.6	2477.5	2537.8
47°	2035.1	2299.4	2346.3
48°	1877.9	2124.7	2163.9
49°	1714.7	1936.3	1971.6
50°	1522.8	1742.4	1791.9
51°	1321.0	1524.9	1654.1
52°	1144.6	1368.2	1494.2
53°	1040.8	1210.5	1277.6
54°	940.3	1082.0	1163.3
55°	872.6	995.0	1061.4
56°	805.3	906.0	937.8
57°	738.1	816.9	824.8
58°	670.8	727.8	712.0
59°	609.3	658.8	632.8
60°	551.2	582.0	558.0
61°	502.2	513.9	488.5
62°	453.6	462.5	429.1
63°	404.9	414.3	380.9
64°	362.1	369.6	333.6
65°	324.4	329.4	295.1
66°	285.3	293.8	263.8
67°	248.3	263.7	236.3
68°	218.3	235.1	211.7
69°	191.8	208.9	188.5
70°	170.0	183.9	167.3
71°	149.4	162.2	148.2
72°	131.4	142.9	130.4
73°	115.0	123.7	113.3
74°	99.5	106.2	98.4
75°	86.4	92.0	85.4
76°	73.3	77.8	72.4
77°	60.2	63.7	59.5
78°	49.9	51.6	48.2
79°	41.4	40.7	37.1
80°	33.0	31.5	28.1
81°	25.2	23.6	21.1
82°	18.8	17.2	15.6
83°	13.5	12.6	11.1
84°	9.6	8.8	7.2
85°	5.8	5.1	3.3
86°	1.9	1.3	1.0
87°	0.5	0.4	0.4
88°	0.2	0.2	0.2
89°	0.1	0.1	0.1

REPORT NUMBER: P1440291

CATALOG NUMBER: XSF60-KNYK-6Hx6V-830-Position 1

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: P1440291

CATALOG NUMBER: XSF60-KNYK-6Hx6V-830-Position 1

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: P1440291

CATALOG NUMBER: XSF60-KNYK-6Hx6V-830-Position 1

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)