

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P721990

Luminaire Tested: **IFLD-S-SA2C-727-U-76**

Issue Date: 10/26/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P721990  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 10/26/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2C-727-U-76  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7x6 Flood distribution lens  
Light Source: (32) 2700K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

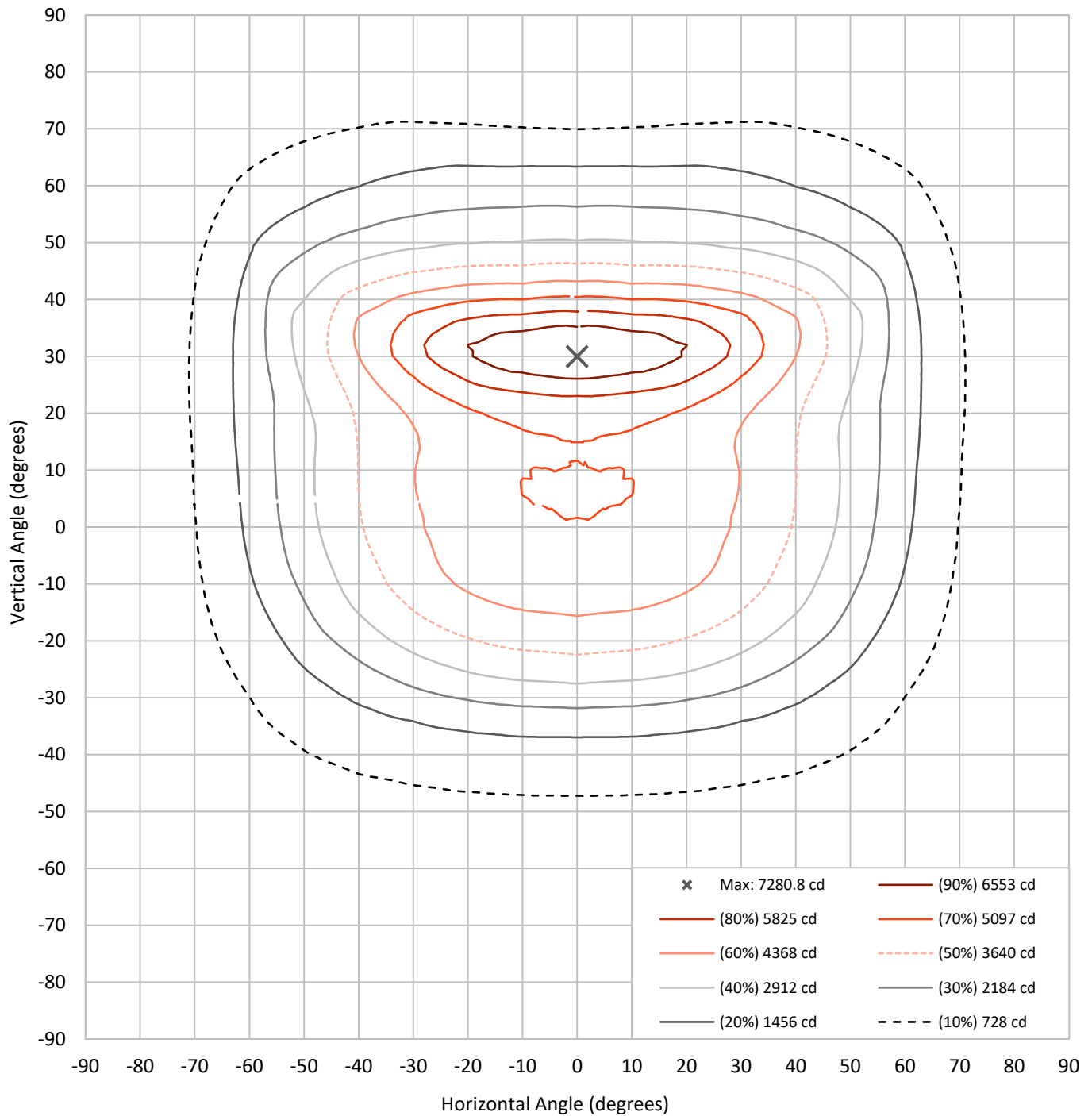
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	12153.5 lumens	Max Intensity:	7280.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	112.3 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')		
Beam Angle (50%):	90.8°H x 68.8°V	Field Angle (10%):	142°H x 117.1°V
Beam Lumens:	7067.4 lumens	Field Lumens:	11389.4 lumens
Beam Efficiency:	58.2%	Field Efficiency:	93.7%

Input Watts (W): 108.2  
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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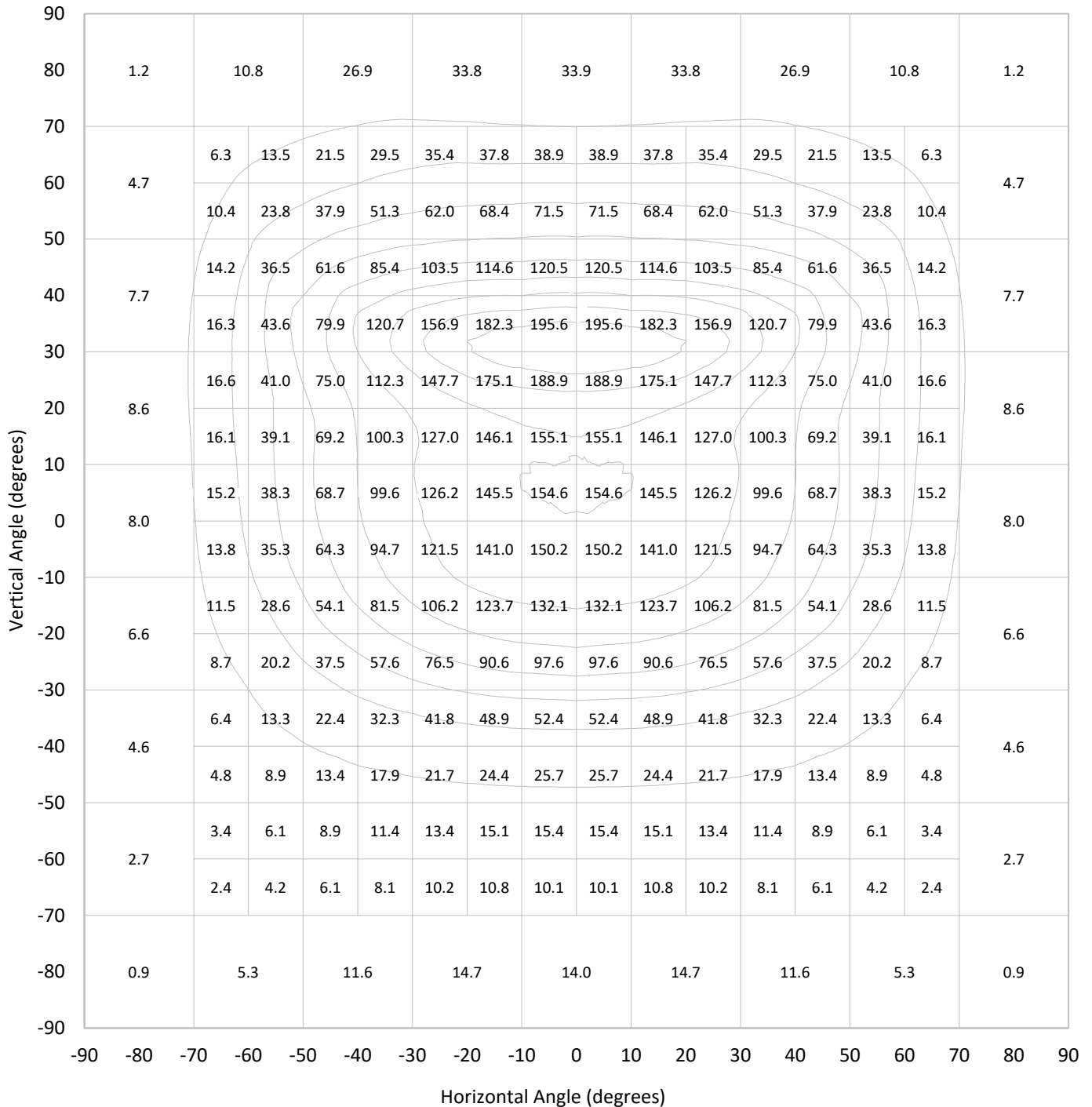
### Iso-Candela Plot





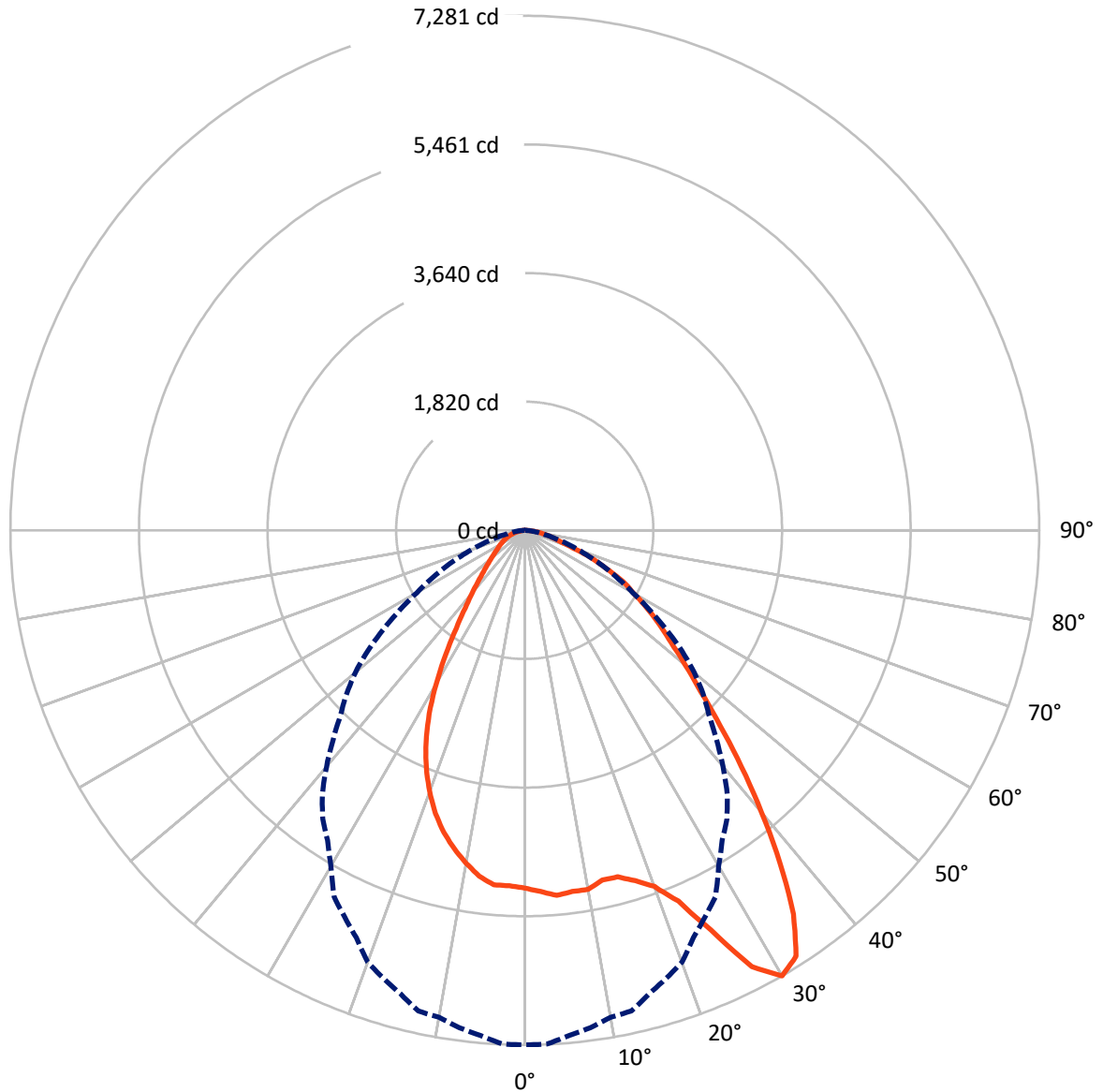
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### Lumen Table



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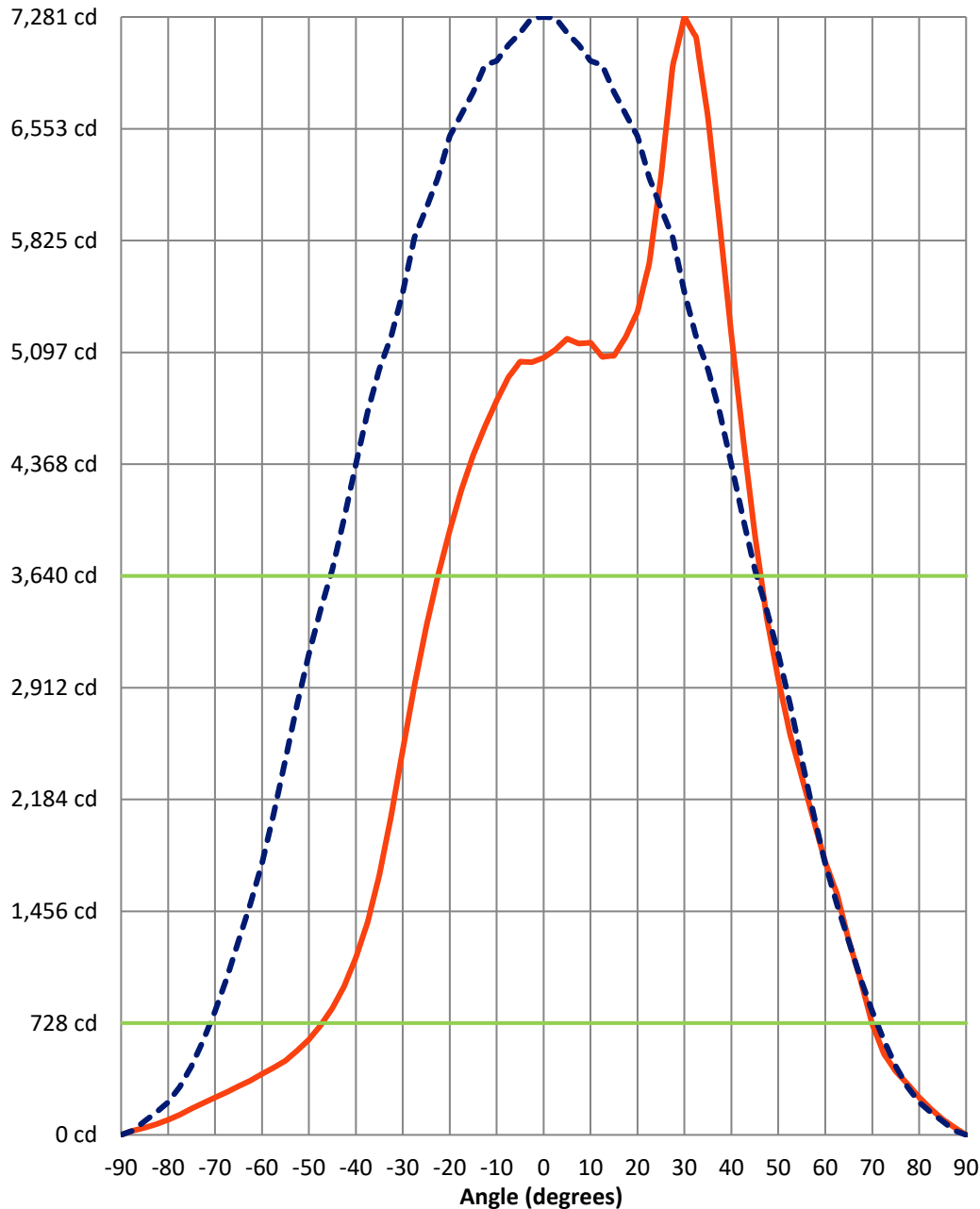
### Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg      - - - Horizontal Distribution Through 30-Deg

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 90.8°  
 V Angle: 68.8°  
 Lumens: 7067.4  
 Efficiency: 58.2%

**Field:**  
 H Angle: 142°  
 V Angle: 117.1°  
 Lumens: 11389.4  
 Efficiency: 93.7%

**Spill:**  
 Lumens: 764.1  
 Efficiency: 6.3%

— Vertical Distribution through 0-Deg  
 - - - Horizontal Distribution through 30-Deg



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FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	48.9	50.2	51.5	51.5	50.2	50.2	50.2	48.9	50.2	50.2	50.2
85°	101.7	104.3	106.9	105.6	104.3	101.7	99.1	100.4	101.7	103.0	103.0
82.5°	168.7	172.5	175.1	173.8	171.2	168.7	166.1	167.4	170.0	171.2	171.2
80°	244.6	245.9	247.2	249.8	245.9	245.9	244.6	249.8	252.4	254.9	257.5
77.5°	332.2	333.5	333.5	334.8	336.0	337.3	337.3	346.3	352.8	356.6	360.5
75°	414.6	418.4	422.3	426.2	431.3	433.9	437.8	450.6	460.9	468.7	476.4
72.5°	527.9	533.0	539.5	548.5	557.5	563.9	572.9	588.4	600.0	607.7	616.7
70°	722.3	727.4	733.9	740.3	749.3	755.8	764.8	784.1	795.7	800.8	806.0
67.5°	1010.7	1023.6	1035.2	1022.3	1015.8	1006.8	1009.4	1027.4	1039.0	1046.7	1045.5
65°	1266.9	1275.9	1275.9	1274.6	1269.5	1257.9	1264.3	1286.2	1299.1	1305.5	1286.2
62.5°	1568.2	1568.2	1561.7	1572.0	1573.3	1565.6	1561.7	1563.0	1564.3	1568.2	1536.0
60°	1776.8	1789.6	1793.5	1802.5	1805.1	1805.1	1811.5	1816.7	1816.7	1808.9	1771.6
57.5°	2052.3	2076.7	2081.9	2075.5	2062.6	2045.8	2043.3	2035.5	2020.1	2004.6	1986.6
55°	2330.4	2343.3	2342.0	2338.1	2325.2	2305.9	2308.5	2298.2	2273.7	2254.4	2230.0
52.5°	2609.8	2640.7	2645.8	2638.1	2620.1	2599.5	2600.8	2589.2	2564.7	2544.1	2510.6
50°	2966.4	2992.2	2989.6	2976.7	2951.0	2935.5	2936.8	2914.9	2886.6	2880.1	2836.4
47.5°	3374.5	3404.2	3399.0	3381.0	3346.2	3339.8	3346.2	3317.9	3301.2	3287.0	3235.5
45°	3910.1	3944.9	3925.6	3890.8	3835.5	3841.9	3850.9	3845.8	3809.7	3772.4	3706.7
42.5°	4538.4	4560.3	4537.2	4502.4	4432.9	4445.7	4440.6	4409.7	4387.8	4326.0	4242.3
40°	5210.5	5258.2	5222.1	5168.0	5095.9	5115.2	5101.1	5061.2	5009.7	4932.4	4826.8
37.5°	5935.4	5972.7	5931.5	5868.4	5804.1	5797.6	5769.3	5707.5	5634.1	5549.1	5380.5
35°	6629.3	6725.9	6649.9	6549.5	6471.0	6441.4	6414.3	6271.4	6187.7	6050.0	5819.5
32.5°	7145.6	7216.4	7122.5	7018.2	6922.9	6881.7	6786.4	6616.5	6571.4	6281.7	6070.6
30°	7280.8	7275.7	7177.8	7098.0	6995.0	6966.7	6791.6	6647.4	6503.2	6235.4	6034.5
27.5°	6958.9	6926.8	6832.8	6763.2	6661.5	6628.1	6455.5	6378.3	6155.5	5928.9	5759.0
25°	6241.8	6258.5	6187.7	6153.0	6086.0	6013.9	5945.7	5841.4	5702.3	5504.1	5348.3
22.5°	5676.6	5698.5	5668.9	5627.7	5576.2	5536.3	5484.8	5403.6	5269.7	5147.4	5000.7
20°	5362.4	5356.0	5330.3	5299.4	5250.4	5222.1	5165.5	5097.2	4994.2	4888.6	4730.3
17.5°	5197.6	5157.7	5133.3	5121.7	5095.9	5059.9	4992.9	4923.4	4843.6	4723.8	4608.0
15°	5075.3	5081.8	5062.5	5053.4	5032.8	4982.6	4914.4	4857.7	4749.6	4689.1	4583.5
12.5°	5067.6	5061.2	5062.5	5058.6	5032.8	4968.5	4933.7	4861.6	4792.1	4712.3	4591.2
10°	5159.0	5090.8	5095.9	5114.0	5072.8	5021.3	4983.9	4905.4	4839.7	4738.0	4618.3
7.5°	5153.9	5119.1	5129.4	5099.8	5112.7	5049.6	4998.1	4919.5	4837.1	4729.0	4620.8
5°	5184.8	5132.0	5123.0	5125.5	5093.4	5045.7	4976.2	4901.5	4824.3	4703.2	4592.5
2.5°	5114.0	5121.7	5080.5	5065.0	5061.2	4981.3	4917.0	4844.9	4765.0	4658.2	4559.0
0°	5061.2	5075.3	5032.8	5011.0	5009.7	4941.4	4900.2	4817.8	4761.2	4672.3	4552.6
-2.5°	5032.8	5049.6	5054.7	5014.8	4976.2	4923.4	4853.9	4765.0	4672.3	4569.3	4466.3
-5°	5035.4	5001.9	4987.8	5000.7	4967.2	4914.4	4837.1	4758.6	4667.2	4556.5	4427.7
-7.5°	4933.7	4900.2	4897.7	4891.2	4883.5	4833.3	4768.9	4683.9	4591.2	4488.2	4368.5
-10°	4781.8	4757.3	4750.9	4744.4	4723.8	4694.2	4633.7	4556.5	4472.8	4369.8	4242.3
-12.5°	4613.1	4601.5	4577.1	4560.3	4539.7	4505.0	4447.0	4376.2	4292.5	4201.1	4091.7
-15°	4426.4	4404.5	4380.1	4365.9	4336.3	4295.1	4237.2	4171.5	4080.1	3990.0	3887.0
-17.5°	4201.1	4174.1	4147.0	4143.2	4122.6	4059.5	4005.4	3925.6	3845.8	3759.5	3659.1
-20°	3935.9	3898.6	3880.5	3870.2	3841.9	3795.6	3737.6	3664.2	3587.0	3504.6	3388.7



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**CANDELA DISTRIBUTION (continued):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
-22.5°	3642.3	3610.2	3579.3	3559.9	3535.5	3499.4	3444.1	3379.7	3303.7	3211.0	3104.2
-25°	3308.9	3263.8	3244.5	3222.6	3209.7	3176.3	3122.2	3063.0	2984.4	2894.3	2792.6
-27.5°	2927.8	2891.7	2881.4	2850.5	2835.1	2800.3	2755.3	2699.9	2627.8	2542.8	2459.1
-30°	2506.8	2484.9	2468.1	2437.2	2425.7	2388.3	2358.7	2312.4	2246.7	2186.2	2119.2
-32.5°	2074.2	2052.3	2047.1	2033.0	2025.2	2000.8	1967.3	1933.8	1881.0	1836.0	1781.9
-35°	1690.5	1675.0	1676.3	1675.0	1667.3	1649.3	1608.1	1599.1	1560.5	1519.3	1484.5
-37.5°	1384.1	1385.4	1384.1	1382.8	1372.5	1364.8	1335.1	1323.6	1300.4	1260.5	1239.9
-40°	1153.6	1156.2	1154.9	1152.3	1140.7	1136.9	1117.6	1102.1	1093.1	1064.8	1042.9
-42.5°	966.9	970.8	969.5	968.2	960.5	959.2	948.9	930.9	925.7	909.0	885.8
-45°	825.3	824.0	821.4	824.0	820.1	816.3	809.8	798.3	791.8	784.1	764.8
-47.5°	713.3	714.6	712.0	712.0	706.8	703.0	700.4	692.7	687.5	681.1	669.5
-50°	620.6	625.7	624.4	623.2	619.3	616.7	616.7	609.0	601.3	598.7	591.0
-52.5°	548.5	552.3	553.6	556.2	557.5	558.8	554.9	547.2	534.3	533.0	529.2
-55°	482.8	494.4	502.1	507.3	512.4	516.3	508.6	498.3	485.4	480.2	479.0
-57.5°	437.8	449.3	458.4	466.1	472.5	479.0	471.2	460.9	449.3	442.9	441.6
-60°	396.6	406.9	415.9	426.2	435.2	445.5	441.6	433.9	427.5	422.3	417.2
-62.5°	352.8	363.1	373.4	386.3	397.8	408.1	409.4	408.1	406.9	408.1	399.1
-65°	316.7	321.9	328.3	342.5	355.4	366.9	373.4	377.2	383.7	390.1	381.1
-67.5°	278.1	284.5	292.3	302.6	312.9	320.6	329.6	339.9	350.2	360.5	354.1
-70°	243.3	248.5	254.9	260.1	266.5	271.7	279.4	291.0	302.6	312.9	310.3
-72.5°	207.3	212.4	216.3	218.9	222.7	225.3	229.2	239.5	247.2	252.4	252.4
-75°	171.2	176.4	180.3	181.5	184.1	185.4	188.0	191.8	195.7	197.0	198.3
-77.5°	131.3	136.5	140.3	142.9	145.5	148.1	149.4	151.9	153.2	153.2	154.5
-80°	97.9	101.7	104.3	108.2	109.4	112.0	114.6	115.9	117.2	117.2	118.5
-82.5°	69.5	72.1	74.7	77.3	79.8	81.1	83.7	85.0	86.3	87.6	88.8
-85°	46.4	48.9	51.5	54.1	55.4	56.7	57.9	59.2	60.5	61.8	63.1
-87.5°	27.0	28.3	29.6	32.2	33.5	36.1	37.3	36.1	37.3	37.3	37.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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**CANDELA DISTRIBUTION (continued):**

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	50.2	50.2	50.2	50.2	48.9	46.4	45.1	42.5	39.9	37.3	34.8
85°	104.3	105.6	105.6	105.6	103.0	101.7	97.9	94.0	88.8	81.1	74.7
82.5°	173.8	175.1	175.1	173.8	171.2	167.4	162.2	155.8	145.5	135.2	126.2
80°	261.4	262.7	262.7	261.4	254.9	248.5	242.1	234.3	221.5	207.3	191.8
77.5°	365.7	368.2	368.2	364.4	355.4	347.6	337.3	324.5	305.1	284.5	263.9
75°	486.7	493.1	494.4	490.5	479.0	464.8	448.1	426.2	396.6	370.8	346.3
72.5°	627.0	633.5	638.6	633.5	616.7	597.4	572.9	547.2	517.6	482.8	441.6
70°	811.1	817.6	821.4	804.7	775.1	742.9	713.3	683.7	648.9	606.4	561.4
67.5°	1042.9	1036.4	1028.7	995.2	957.9	919.3	878.1	834.3	789.2	744.2	691.4
65°	1265.6	1247.6	1230.9	1190.9	1143.3	1093.1	1045.5	996.5	942.5	885.8	835.6
62.5°	1499.9	1461.3	1420.1	1371.2	1322.3	1266.9	1219.3	1161.3	1100.8	1031.3	966.9
60°	1730.4	1684.1	1642.9	1582.3	1518.0	1443.3	1391.8	1335.1	1264.3	1189.7	1113.7
57.5°	1953.1	1902.9	1857.9	1805.1	1735.6	1654.4	1597.8	1524.4	1449.7	1355.7	1278.5
55°	2190.0	2139.8	2103.8	2044.6	1968.6	1893.9	1832.1	1754.9	1650.6	1550.2	1454.9
52.5°	2461.7	2421.8	2383.2	2322.7	2231.2	2155.3	2087.0	2000.8	1891.3	1767.7	1653.2
50°	2765.6	2745.0	2703.8	2632.9	2528.7	2461.7	2371.6	2257.0	2139.8	2009.8	1866.9
47.5°	3168.5	3135.1	3077.1	2999.9	2912.3	2811.9	2690.9	2557.0	2390.9	2246.7	2094.8
45°	3650.1	3588.3	3513.6	3409.3	3301.2	3187.9	3055.2	2885.3	2662.6	2474.6	2314.9
42.5°	4171.5	4087.8	3986.1	3849.6	3709.3	3570.2	3427.3	3195.6	2917.5	2701.2	2520.9
40°	4716.1	4609.3	4481.8	4283.5	4127.7	3948.8	3785.3	3438.9	3142.8	2908.5	2716.6
37.5°	5249.1	5114.0	4900.2	4659.5	4477.9	4331.2	3971.9	3601.1	3335.9	3078.4	2884.0
35°	5657.3	5542.7	5165.5	4915.7	4759.9	4528.1	4078.8	3699.0	3418.3	3204.6	2902.0
32.5°	5899.3	5603.2	5272.3	5020.0	4891.2	4511.4	4086.5	3727.3	3456.9	3217.5	2855.7
30°	5845.3	5487.3	5197.6	4986.5	4707.1	4365.9	4014.4	3683.5	3420.9	3131.2	2804.2
27.5°	5519.5	5242.7	4983.9	4763.8	4489.5	4183.1	3858.6	3567.7	3323.0	3042.4	2733.4
25°	5151.3	4900.2	4708.4	4516.6	4256.5	3964.2	3678.4	3468.5	3222.6	2945.8	2640.7
22.5°	4812.7	4632.4	4481.8	4280.9	4027.3	3772.4	3594.7	3377.1	3124.8	2844.1	2545.4
20°	4596.4	4474.1	4301.5	4080.1	3880.5	3720.9	3523.9	3293.4	3033.4	2739.8	2464.3
17.5°	4492.1	4350.5	4158.6	4014.4	3861.2	3686.1	3466.0	3221.3	2944.5	2692.2	2473.3
15°	4438.0	4288.7	4162.5	4020.9	3848.3	3664.2	3419.6	3166.0	2944.5	2711.5	2479.7
12.5°	4449.6	4320.9	4183.1	4028.6	3843.2	3646.2	3424.8	3189.1	2960.0	2725.6	2481.0
10°	4485.7	4350.5	4203.7	4032.5	3845.8	3651.4	3438.9	3203.3	2967.7	2732.1	2478.4
7.5°	4498.5	4351.8	4194.7	4022.2	3839.3	3648.8	3441.5	3207.2	2969.0	2730.8	2470.7
5°	4458.6	4326.0	4174.1	4000.3	3821.3	3635.9	3431.2	3202.0	2958.7	2717.9	2451.4
2.5°	4404.5	4297.7	4152.2	3984.8	3803.3	3617.9	3414.5	3178.8	2935.5	2694.7	2426.9
0°	4395.5	4262.9	4116.1	3966.8	3773.7	3578.0	3375.8	3135.1	2893.0	2651.0	2384.5
-2.5°	4336.3	4196.0	4049.2	3887.0	3717.0	3520.0	3307.6	3072.0	2832.5	2594.3	2338.1
-5°	4291.2	4135.5	3979.7	3804.6	3633.3	3436.3	3216.2	2987.0	2752.7	2520.9	2273.7
-7.5°	4230.7	4071.1	3907.6	3724.7	3539.3	3338.5	3120.9	2891.7	2661.3	2430.8	2193.9
-10°	4108.4	3968.1	3814.9	3625.6	3429.9	3229.1	3012.8	2787.4	2557.0	2323.9	2085.8
-12.5°	3960.4	3812.3	3644.9	3471.1	3296.0	3109.3	2893.0	2671.6	2439.8	2205.5	1968.6
-15°	3768.5	3623.0	3451.8	3281.8	3113.2	2934.2	2743.7	2544.1	2308.5	2078.0	1841.1
-17.5°	3529.0	3392.6	3239.4	3077.1	2909.8	2729.5	2544.1	2375.4	2155.3	1939.0	1704.7
-20°	3271.5	3144.1	3006.3	2853.1	2685.7	2509.3	2334.2	2157.9	1967.3	1776.8	1559.2



REPORT NUMBER: P721990  
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**CANDELA DISTRIBUTION (continued):**

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
-22.5°	3003.7	2875.0	2735.9	2593.0	2438.5	2275.0	2112.8	1944.1	1776.8	1604.2	1420.1
-25°	2694.7	2581.4	2454.0	2314.9	2177.2	2034.3	1879.8	1726.5	1583.6	1434.3	1283.6
-27.5°	2371.6	2267.3	2151.4	2030.4	1911.9	1792.2	1658.3	1516.7	1398.2	1274.6	1149.7
-30°	2031.7	1948.0	1854.0	1748.4	1657.0	1560.5	1448.4	1331.3	1223.1	1129.1	1028.7
-32.5°	1709.8	1639.0	1572.0	1502.5	1412.4	1337.7	1260.5	1174.2	1078.9	990.1	918.0
-35°	1433.0	1357.0	1328.7	1277.2	1212.8	1147.2	1090.5	1028.7	956.6	878.1	818.9
-37.5°	1200.0	1154.9	1115.0	1086.7	1044.2	991.4	946.3	901.3	845.9	786.7	727.4
-40°	1018.4	987.5	943.7	929.6	902.5	866.5	820.1	785.4	748.0	703.0	652.8
-42.5°	872.9	849.8	821.4	797.0	785.4	759.6	723.6	690.1	660.5	629.6	591.0
-45°	753.2	737.7	719.7	697.8	688.8	668.2	642.5	605.1	588.4	562.6	534.3
-47.5°	656.6	648.9	636.0	621.9	609.0	593.5	570.4	547.2	524.0	507.3	485.4
-50°	580.7	575.5	567.8	556.2	539.5	529.2	513.7	493.1	471.2	457.1	441.6
-52.5°	520.2	515.0	509.9	500.8	488.0	477.7	464.8	448.1	430.0	415.9	403.0
-55°	473.8	466.1	462.2	454.5	444.2	432.6	421.0	409.4	394.0	381.1	368.2
-57.5°	437.8	427.5	422.3	415.9	405.6	394.0	385.0	373.4	363.1	348.9	337.3
-60°	409.4	397.8	387.5	381.1	372.1	360.5	351.5	342.5	332.2	320.6	306.4
-62.5°	386.3	372.1	357.9	350.2	341.2	330.9	321.9	312.9	302.6	291.0	278.1
-65°	364.4	347.6	329.6	321.9	312.9	302.6	291.0	284.5	275.5	265.2	252.4
-67.5°	337.3	319.3	303.9	294.8	285.8	276.8	266.5	260.1	251.1	238.2	225.3
-70°	297.4	285.8	275.5	267.8	260.1	252.4	242.1	231.8	221.5	209.9	198.3
-72.5°	247.2	243.3	242.1	238.2	229.2	220.2	209.9	199.6	190.6	181.5	172.5
-75°	199.6	202.1	204.7	203.4	194.4	185.4	176.4	167.4	160.9	153.2	145.5
-77.5°	158.4	160.9	163.5	163.5	157.1	151.9	145.5	139.1	133.9	127.5	119.7
-80°	122.3	126.2	130.0	132.6	127.5	123.6	118.5	113.3	108.2	103.0	97.9
-82.5°	92.7	96.6	100.4	103.0	99.1	96.6	92.7	88.8	85.0	79.8	76.0
-85°	67.0	69.5	72.1	73.4	70.8	68.2	65.7	63.1	60.5	56.7	54.1
-87.5°	38.6	39.9	41.2	42.5	39.9	37.3	36.1	33.5	32.2	29.6	28.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: IFLD-S-SA2C-727-U-76

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	32.2	29.6	27.0	25.8	23.2	19.3	16.7	14.2	11.6	9.0	7.7
85°	68.2	61.8	54.1	50.2	45.1	39.9	34.8	29.6	24.5	19.3	14.2
82.5°	117.2	109.4	101.7	92.7	81.1	67.0	52.8	43.8	36.1	28.3	21.9
80°	176.4	162.2	149.4	137.8	124.9	106.9	87.6	69.5	48.9	37.3	28.3
77.5°	244.6	227.9	209.9	190.6	170.0	145.5	123.6	100.4	76.0	51.5	36.1
75°	321.9	300.0	275.5	248.5	221.5	189.3	158.4	131.3	103.0	72.1	43.8
72.5°	408.1	381.1	351.5	315.4	273.0	235.6	198.3	162.2	128.8	91.4	59.2
70°	518.9	476.4	432.6	394.0	339.9	280.7	236.9	195.7	153.2	112.0	74.7
67.5°	637.3	585.8	533.0	476.4	408.1	338.6	275.5	229.2	179.0	131.3	88.8
65°	766.1	701.7	634.7	571.7	477.7	395.3	324.5	261.4	203.4	149.4	103.0
62.5°	898.7	822.7	745.5	663.1	554.9	453.2	370.8	297.4	226.6	166.1	115.9
60°	1040.3	951.5	857.5	754.5	628.3	516.3	414.6	334.8	251.1	182.8	130.0
57.5°	1189.7	1093.1	982.4	843.3	704.3	576.8	464.8	368.2	273.0	198.3	140.3
55°	1351.9	1241.2	1120.1	936.0	778.9	637.3	515.0	401.7	296.1	211.2	150.6
52.5°	1527.0	1398.2	1245.0	1033.9	857.5	699.1	561.4	431.3	318.0	225.3	159.7
50°	1722.7	1560.5	1354.5	1124.0	925.7	757.1	607.7	463.5	336.0	240.8	167.4
47.5°	1926.1	1751.0	1452.3	1207.7	995.2	813.7	655.3	491.8	354.1	253.6	175.1
45°	2138.5	1883.6	1554.0	1282.4	1055.8	865.2	691.4	517.6	376.0	265.2	181.5
42.5°	2348.4	1984.0	1642.9	1357.0	1112.4	911.6	721.0	542.0	394.0	276.8	188.0
40°	2447.5	2060.0	1713.7	1408.5	1160.0	952.8	746.8	563.9	409.4	284.5	194.4
37.5°	2488.7	2106.4	1760.0	1457.5	1197.4	974.6	768.6	583.2	422.3	292.3	199.6
35°	2497.8	2123.1	1783.2	1490.9	1228.3	995.2	785.4	597.4	432.6	300.0	204.7
32.5°	2481.0	2117.9	1789.6	1502.5	1247.6	1010.7	797.0	607.7	440.3	307.7	209.9
30°	2443.7	2090.9	1766.5	1501.2	1261.8	1019.7	804.7	615.4	448.1	312.9	212.4
27.5°	2383.2	2043.3	1736.8	1502.5	1269.5	1023.6	808.6	619.3	453.2	316.7	217.6
25°	2308.5	1978.9	1738.1	1499.9	1270.8	1024.9	808.6	619.3	454.5	318.0	221.5
22.5°	2222.2	1978.9	1738.1	1496.1	1263.0	1022.3	804.7	616.7	454.5	320.6	225.3
20°	2227.4	1980.2	1734.3	1488.4	1251.5	1014.6	795.7	610.3	450.6	324.5	227.9
17.5°	2231.2	1977.6	1726.5	1478.1	1236.0	1001.7	784.1	601.3	450.6	328.3	229.2
15°	2231.2	1969.9	1715.0	1462.6	1216.7	983.7	767.4	593.5	451.9	329.6	231.8
12.5°	2227.4	1955.7	1696.9	1442.0	1193.5	961.8	757.1	591.0	451.9	330.9	231.8
10°	2219.7	1936.4	1673.8	1416.3	1171.6	954.0	751.9	585.8	449.3	330.9	231.8
7.5°	2205.5	1913.2	1654.4	1400.8	1158.8	945.0	744.2	578.1	445.5	328.3	234.3
5°	2183.6	1900.4	1639.0	1382.8	1140.7	938.6	739.0	571.7	442.9	328.3	231.8
2.5°	2155.3	1884.9	1621.0	1359.6	1120.1	916.7	722.3	557.5	433.9	323.2	229.2
0°	2108.9	1854.0	1590.1	1327.4	1091.8	894.8	705.6	543.3	424.9	318.0	226.6
-2.5°	2066.4	1812.8	1550.2	1293.9	1064.8	875.5	692.7	535.6	421.0	316.7	225.3
-5°	2007.2	1756.2	1497.4	1250.2	1028.7	856.2	679.8	526.6	417.2	314.2	225.3
-7.5°	1941.6	1696.9	1442.0	1205.1	992.7	822.7	655.3	512.4	408.1	309.0	224.0
-10°	1839.8	1608.1	1372.5	1153.6	954.0	793.1	634.7	499.6	400.4	303.9	218.9
-12.5°	1731.7	1510.2	1292.7	1090.5	910.3	762.2	611.6	485.4	391.4	298.7	216.3
-15°	1617.1	1409.8	1209.0	1024.9	862.6	724.9	587.1	469.9	382.4	292.3	212.4
-17.5°	1497.4	1304.2	1122.7	957.9	815.0	686.2	561.4	455.8	372.1	285.8	208.6
-20°	1371.2	1196.1	1035.2	889.7	764.8	647.6	534.3	439.0	360.5	278.1	203.4



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**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
-22.5°	1246.3	1089.2	945.0	822.7	713.3	607.7	507.3	422.3	347.6	269.1	199.6
-25°	1135.6	988.8	865.2	758.3	663.1	569.1	479.0	405.6	333.5	260.1	194.4
-27.5°	1027.4	902.5	786.7	697.8	614.1	531.7	451.9	387.5	319.3	249.8	189.3
-30°	927.0	820.1	724.9	638.6	567.8	498.3	428.7	369.5	303.9	239.5	182.8
-32.5°	835.6	749.3	669.5	587.1	524.0	464.8	406.9	351.5	288.4	229.2	176.4
-35°	750.6	683.7	614.1	544.6	480.2	433.9	383.7	332.2	274.2	217.6	170.0
-37.5°	674.7	620.6	565.2	506.0	450.6	404.3	361.8	312.9	260.1	207.3	163.5
-40°	609.0	565.2	516.3	468.7	422.3	378.5	339.9	293.6	245.9	199.6	157.1
-42.5°	548.5	515.0	475.1	435.2	394.0	355.4	318.0	273.0	231.8	190.6	150.6
-45°	502.1	468.7	436.5	400.4	365.7	332.2	294.8	254.9	218.9	180.3	144.2
-47.5°	458.4	428.7	399.1	369.5	341.2	310.3	273.0	239.5	204.7	171.2	139.1
-50°	419.7	391.4	365.7	339.9	315.4	285.8	251.1	224.0	193.1	162.2	132.6
-52.5°	383.7	359.2	333.5	312.9	292.3	262.7	234.3	208.6	181.5	151.9	126.2
-55°	351.5	328.3	305.1	285.8	266.5	240.8	217.6	195.7	170.0	144.2	119.7
-57.5°	320.6	301.3	279.4	261.4	242.1	221.5	202.1	181.5	158.4	136.5	113.3
-60°	292.3	274.2	254.9	236.9	220.2	203.4	185.4	168.7	148.1	127.5	106.9
-62.5°	263.9	248.5	231.8	213.7	200.9	185.4	171.2	154.5	137.8	119.7	95.3
-65°	238.2	224.0	208.6	193.1	181.5	170.0	157.1	141.6	127.5	110.7	85.0
-67.5°	212.4	199.6	186.7	173.8	163.5	154.5	141.6	130.0	118.5	100.4	74.7
-70°	188.0	177.7	166.1	155.8	148.1	137.8	128.8	118.5	108.2	87.6	63.1
-72.5°	164.8	154.5	145.5	137.8	131.3	122.3	114.6	106.9	92.7	73.4	52.8
-75°	137.8	131.3	126.2	119.7	113.3	106.9	100.4	91.4	77.3	59.2	41.2
-77.5°	113.3	109.4	105.6	100.4	95.3	90.1	82.4	73.4	61.8	46.4	33.5
-80°	92.7	88.8	86.3	81.1	77.3	72.1	64.4	56.7	45.1	36.1	27.0
-82.5°	70.8	68.2	65.7	63.1	59.2	54.1	46.4	39.9	33.5	27.0	20.6
-85°	50.2	48.9	46.4	43.8	39.9	36.1	30.9	27.0	23.2	18.0	14.2
-87.5°	25.8	24.5	23.2	21.9	20.6	18.0	15.5	12.9	11.6	9.0	6.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0
87.5°	5.2	3.9	1.3	0.0
85°	10.3	6.4	2.6	0.0
82.5°	15.5	10.3	3.9	0.0
80°	20.6	12.9	6.4	0.0
77.5°	25.8	15.5	7.7	0.0
75°	30.9	19.3	9.0	0.0
72.5°	34.8	21.9	10.3	0.0
70°	41.2	25.8	11.6	0.0
67.5°	51.5	28.3	12.9	0.0
65°	60.5	30.9	14.2	0.0
62.5°	70.8	33.5	15.5	0.0
60°	79.8	36.1	16.7	0.0
57.5°	88.8	42.5	18.0	0.0
55°	96.6	47.6	19.3	0.0
52.5°	105.6	52.8	20.6	0.0
50°	113.3	57.9	21.9	0.0
47.5°	119.7	63.1	21.9	0.0
45°	124.9	67.0	23.2	0.0
42.5°	128.8	70.8	24.5	0.0
40°	132.6	74.7	25.8	0.0
37.5°	136.5	78.5	25.8	0.0
35°	140.3	82.4	27.0	0.0
32.5°	144.2	86.3	27.0	0.0
30°	146.8	88.8	28.3	0.0
27.5°	150.6	91.4	28.3	0.0
25°	151.9	94.0	29.6	0.0
22.5°	154.5	95.3	29.6	0.0
20°	157.1	97.9	29.6	0.0
17.5°	158.4	99.1	30.9	0.0
15°	158.4	100.4	32.2	0.0
12.5°	159.7	101.7	32.2	0.0
10°	159.7	104.3	30.9	0.0
7.5°	162.2	103.0	30.9	0.0
5°	160.9	103.0	30.9	0.0
2.5°	159.7	101.7	30.9	0.0
0°	158.4	101.7	30.9	0.0
-2.5°	158.4	101.7	30.9	0.0
-5°	158.4	101.7	30.9	0.0
-7.5°	157.1	103.0	30.9	0.0
-10°	154.5	103.0	30.9	0.0
-12.5°	153.2	99.1	30.9	0.0
-15°	151.9	97.9	30.9	0.0
-17.5°	149.4	96.6	29.6	0.0
-20°	146.8	95.3	29.6	0.0



REPORT NUMBER: P721990  
 CATALOG NUMBER: IFLD-S-SA2C-727-U-76

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°
-22.5°	144.2	92.7	29.6	0.0
-25°	141.6	90.1	28.3	0.0
-27.5°	139.1	87.6	28.3	0.0
-30°	135.2	85.0	27.0	0.0
-32.5°	131.3	82.4	27.0	0.0
-35°	128.8	78.5	25.8	0.0
-37.5°	124.9	74.7	25.8	0.0
-40°	121.0	70.8	24.5	0.0
-42.5°	117.2	67.0	23.2	0.0
-45°	112.0	63.1	23.2	0.0
-47.5°	108.2	59.2	21.9	0.0
-50°	101.7	54.1	20.6	0.0
-52.5°	94.0	48.9	19.3	0.0
-55°	86.3	45.1	18.0	0.0
-57.5°	78.5	39.9	18.0	0.0
-60°	70.8	34.8	16.7	0.0
-62.5°	63.1	32.2	15.5	0.0
-65°	55.4	29.6	14.2	0.0
-67.5°	46.4	25.8	12.9	0.0
-70°	38.6	23.2	11.6	0.0
-72.5°	33.5	20.6	10.3	0.0
-75°	28.3	18.0	9.0	0.0
-77.5°	24.5	15.5	7.7	0.0
-80°	19.3	11.6	5.2	0.0
-82.5°	14.2	9.0	3.9	0.0
-85°	9.0	6.4	2.6	0.0
-87.5°	5.2	2.6	1.3	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)