

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: P721968

Luminaire Tested: **IFLD-S-SA3E-722-U-76**

Issue Date: 10/26/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P721968  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 10/26/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3E-722-U-76  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7x6 Flood distribution lens  
Light Source: (48) 2200K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

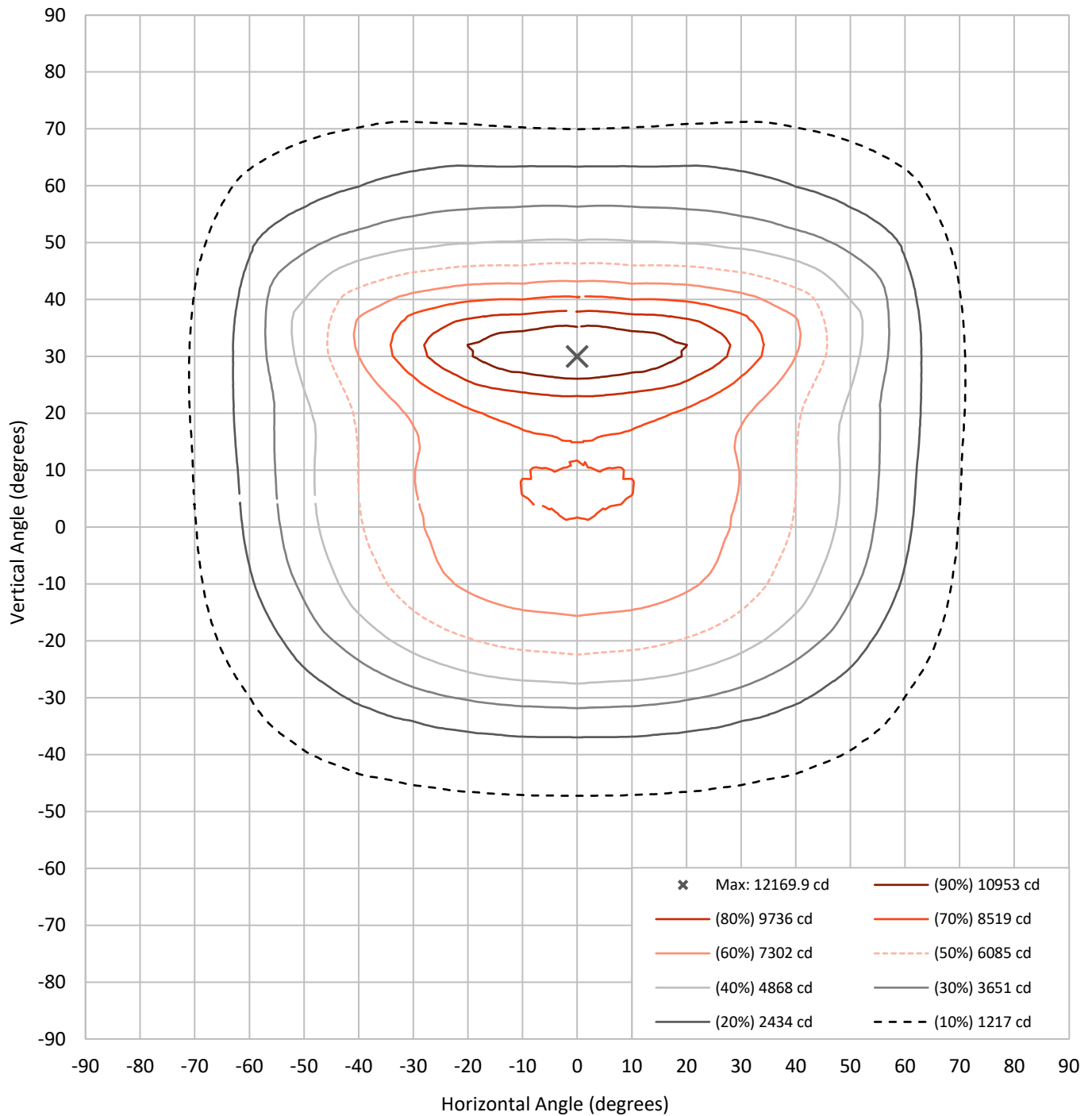
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	20314.6 lumens	Max Intensity:	12169.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	87.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	90.8°H x 68.8°V	Field Angle (10%):	142°H x 117.1°V
Beam Lumens:	11813.2 lumens	Field Lumens:	19037.4 lumens
Beam Efficiency:	58.2%	Field Efficiency:	93.7%

Input Watts (W): 232.1  
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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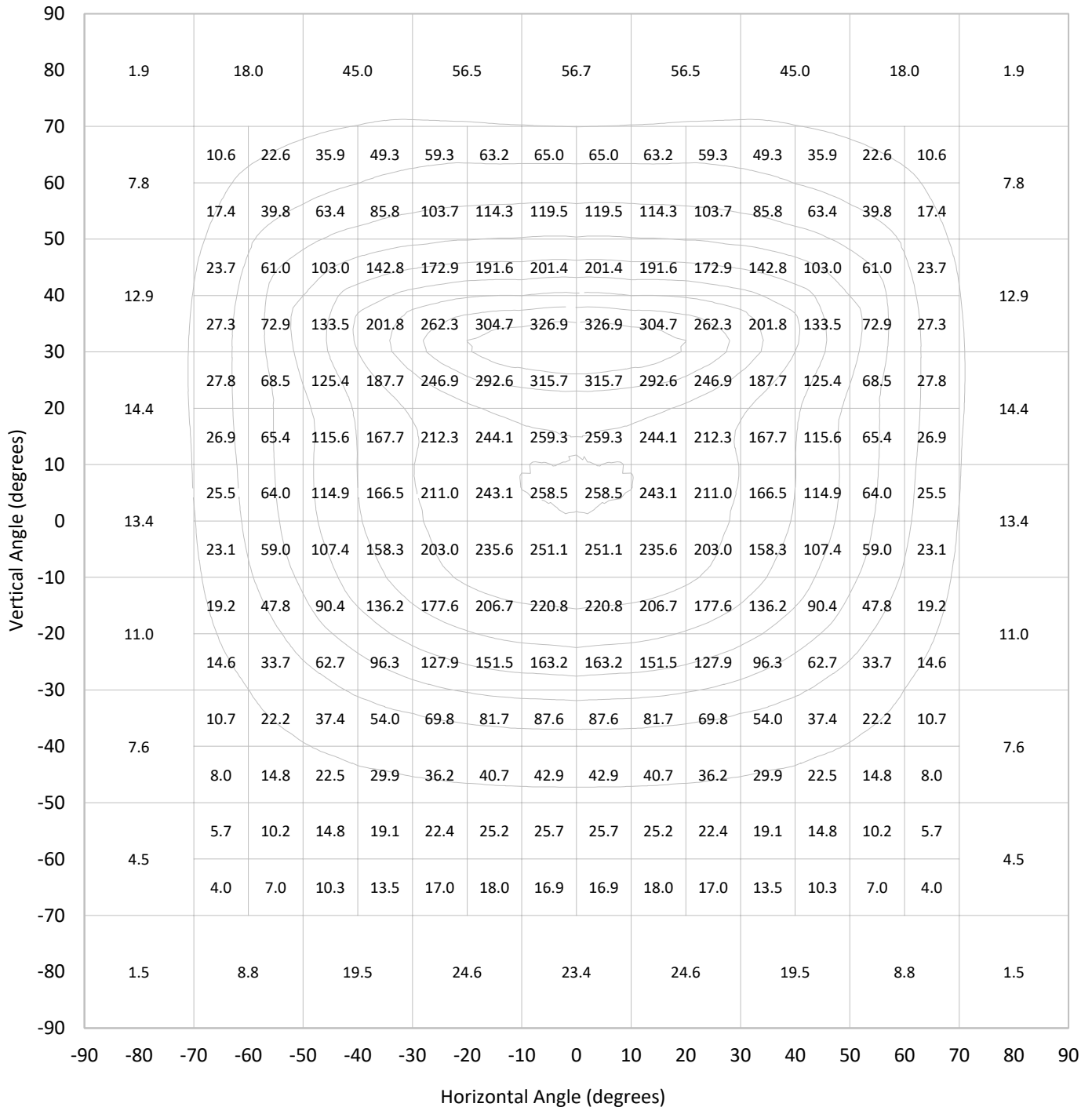
### Iso-Candela Plot





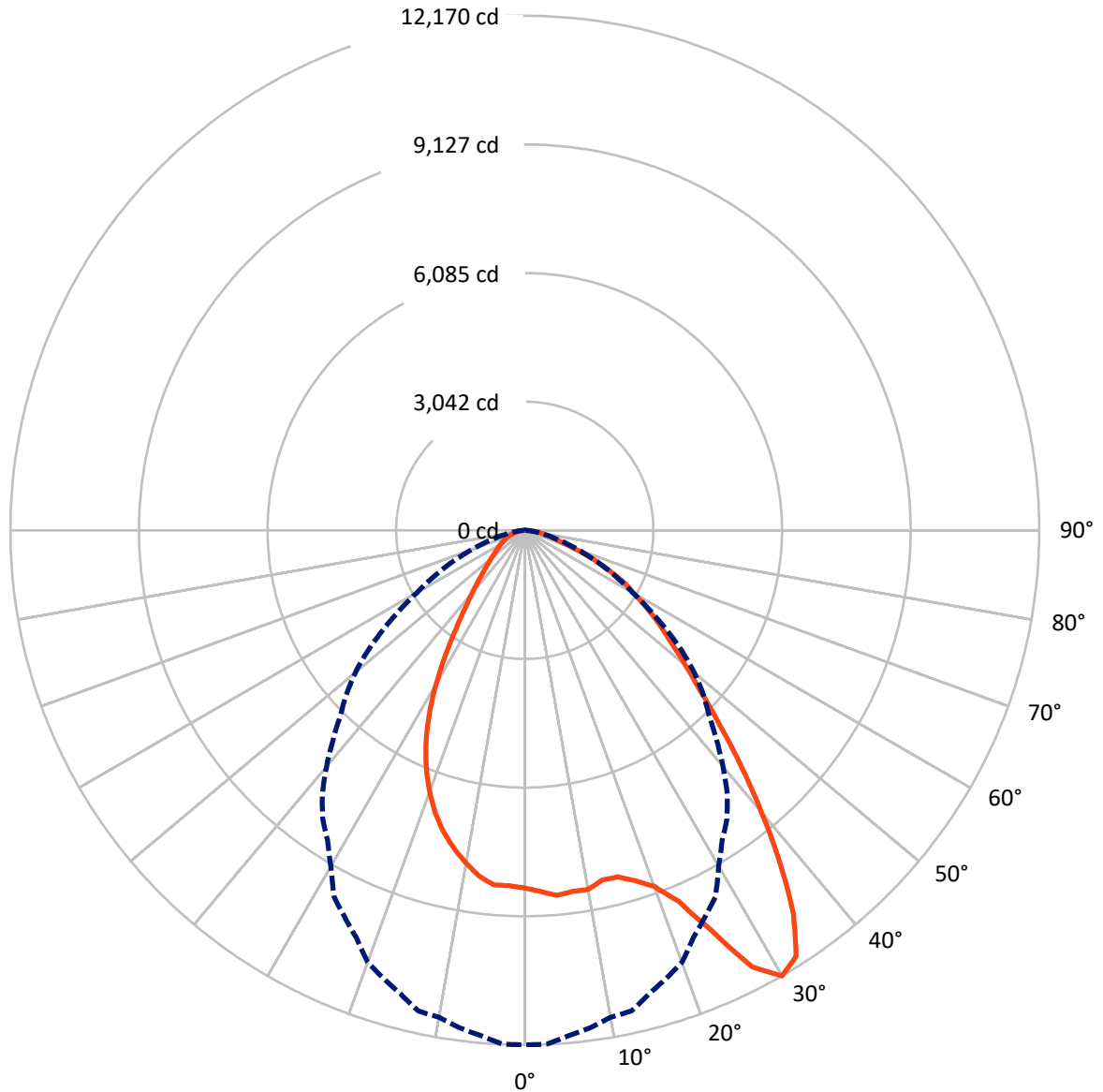
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### Lumen Table



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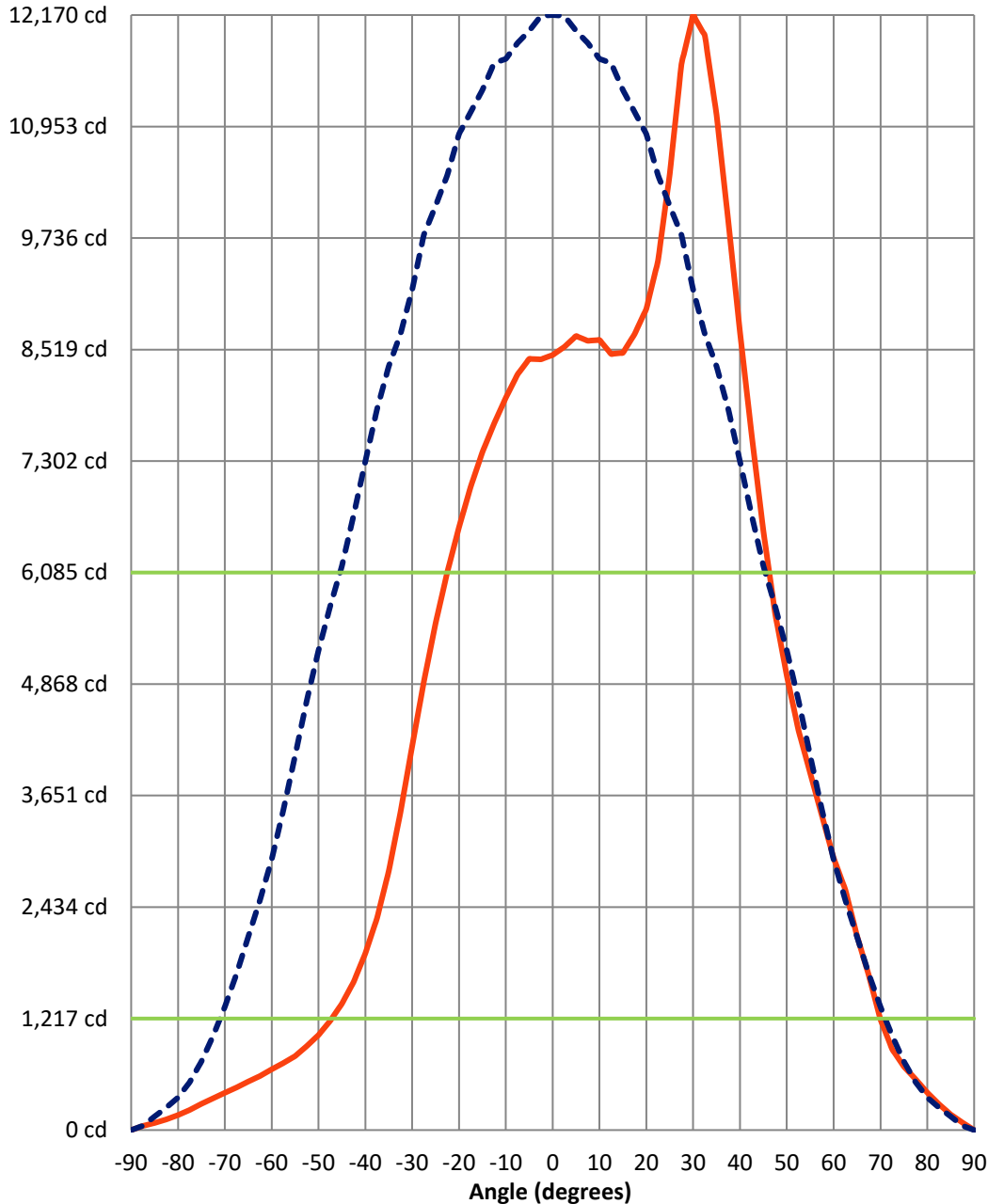
### Luminous Intensity Polar Plot



— 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: 11813.2  
 Efficiency: 58.2%

**Field:**  
 H Angle: 142°  
 V Angle: 117.1°  
 Lumens: 19037.4  
 Efficiency: 93.7%

**Spill:**  
 Lumens: 1277.2  
 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°	81.8	83.9	86.1	86.1	83.9	83.9	83.9	81.8	83.9	83.9	83.9
85°	170.0	174.3	178.6	176.5	174.3	170.0	165.7	167.9	170.0	172.2	172.2
82.5°	281.9	288.4	292.7	290.5	286.2	281.9	277.6	279.8	284.1	286.2	286.2
80°	408.9	411.0	413.2	417.5	411.0	411.0	408.9	417.5	421.8	426.1	430.4
77.5°	555.2	557.4	557.4	559.5	561.7	563.8	563.8	578.9	589.7	596.1	602.6
75°	693.0	699.4	705.9	712.3	720.9	725.2	731.7	753.2	770.4	783.3	796.3
72.5°	882.3	891.0	901.7	916.8	931.8	942.6	957.7	983.5	1002.9	1015.8	1030.8
70°	1207.3	1215.9	1226.7	1237.4	1252.5	1263.3	1278.3	1310.6	1330.0	1338.6	1347.2
67.5°	1689.4	1710.9	1730.3	1708.7	1698.0	1682.9	1687.2	1717.3	1736.7	1749.6	1747.5
65°	2117.6	2132.7	2132.7	2130.5	2121.9	2102.6	2113.3	2149.9	2171.4	2182.2	2149.9
62.5°	2621.2	2621.2	2610.4	2627.7	2629.8	2616.9	2610.4	2612.6	2614.8	2621.2	2567.4
60°	2969.8	2991.4	2997.8	3012.9	3017.2	3017.2	3027.9	3036.6	3036.6	3023.6	2961.2
57.5°	3430.4	3471.3	3479.9	3469.1	3447.6	3419.6	3415.3	3402.4	3376.6	3350.8	3320.6
55°	3895.2	3916.7	3914.6	3908.1	3886.6	3854.3	3858.6	3841.4	3800.5	3768.3	3727.4
52.5°	4362.2	4413.9	4422.5	4409.6	4379.4	4345.0	4347.2	4327.8	4286.9	4252.5	4196.5
50°	4958.3	5001.4	4997.1	4975.6	4932.5	4906.7	4908.8	4872.3	4824.9	4814.2	4741.0
47.5°	5640.5	5690.0	5681.4	5651.3	5593.2	5582.4	5593.2	5545.9	5517.9	5494.2	5408.1
45°	6535.8	6593.9	6561.6	6503.5	6411.0	6421.7	6436.8	6428.2	6367.9	6305.5	6195.8
42.5°	7586.0	7622.6	7583.9	7525.8	7409.5	7431.1	7422.5	7370.8	7334.2	7230.9	7091.0
40°	8709.4	8789.0	8728.8	8638.4	8517.9	8550.1	8526.5	8459.7	8373.7	8244.5	8068.1
37.5°	9921.0	9983.4	9914.5	9809.1	9701.5	9690.7	9643.4	9540.1	9417.4	9275.4	8993.5
35°	11081.0	11242.4	11115.4	10947.5	10816.3	10766.8	10721.6	10482.7	10342.8	10112.5	9727.3
32.5°	11943.9	12062.3	11905.2	11730.9	11571.6	11502.8	11343.5	11059.4	10984.1	10499.9	10147.0
30°	12169.9	12161.3	11997.7	11864.3	11692.1	11644.8	11352.1	11111.1	10870.1	10422.4	10086.7
27.5°	11631.9	11578.1	11421.0	11304.8	11134.8	11078.8	10790.4	10661.3	10289.0	9910.2	9626.2
25°	10433.2	10461.2	10342.8	10284.7	10172.8	10052.3	9938.2	9763.9	9531.5	9200.1	8939.7
22.5°	9488.4	9525.0	9475.5	9406.7	9320.6	9253.9	9167.8	9032.2	8808.4	8603.9	8358.6
20°	8963.3	8952.6	8909.5	8857.9	8776.1	8728.8	8634.1	8520.0	8347.8	8171.4	7906.7
17.5°	8687.9	8621.2	8580.3	8560.9	8517.9	8457.6	8345.7	8229.5	8096.0	7895.9	7702.2
15°	8483.4	8494.2	8461.9	8446.8	8412.4	8328.5	8214.4	8119.7	7938.9	7837.8	7661.3
12.5°	8470.5	8459.7	8461.9	8455.4	8412.4	8304.8	8246.7	8126.2	8010.0	7876.5	7674.2
10°	8623.3	8509.2	8517.9	8548.0	8479.1	8393.0	8330.6	8199.3	8089.6	7919.6	7719.4
7.5°	8614.7	8556.6	8573.8	8524.3	8545.8	8440.4	8354.3	8223.0	8085.3	7904.5	7723.7
5°	8666.3	8578.1	8563.0	8567.4	8513.5	8433.9	8317.7	8192.9	8063.8	7861.5	7676.4
2.5°	8548.0	8560.9	8492.0	8466.2	8459.7	8326.3	8218.7	8098.2	7964.8	7786.2	7620.4
0°	8459.7	8483.4	8412.4	8375.8	8373.7	8259.6	8190.7	8053.0	7958.3	7809.8	7609.7
-2.5°	8412.4	8440.4	8449.0	8382.3	8317.7	8229.5	8113.3	7964.8	7809.8	7637.7	7465.5
-5°	8416.7	8360.8	8337.1	8358.6	8302.6	8214.4	8085.3	7954.0	7801.2	7616.1	7400.9
-7.5°	8246.7	8190.7	8186.4	8175.7	8162.8	8078.8	7971.2	7829.2	7674.2	7502.1	7301.9
-10°	7992.8	7951.9	7941.1	7930.3	7895.9	7846.4	7745.3	7616.1	7476.3	7304.1	7091.0
-12.5°	7710.8	7691.5	7650.6	7622.6	7588.2	7530.1	7433.2	7314.9	7175.0	7022.2	6839.2
-15°	7398.8	7362.2	7321.3	7297.6	7248.1	7179.3	7082.4	6972.7	6819.9	6669.2	6497.1
-17.5°	7022.2	6977.0	6931.8	6925.3	6890.9	6785.4	6695.1	6561.6	6428.2	6284.0	6116.2
-20°	6578.8	6516.4	6486.3	6469.1	6421.7	6344.3	6247.4	6124.8	5995.6	5857.9	5664.2



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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°	6088.2	6034.4	5982.7	5950.4	5909.6	5849.3	5756.8	5649.2	5522.2	5367.2	5188.6
-25°	5530.8	5455.5	5423.2	5386.6	5365.1	5309.1	5218.7	5119.8	4988.5	4837.8	4667.8
-27.5°	4893.8	4833.5	4816.3	4764.7	4738.8	4680.7	4605.4	4512.9	4392.4	4250.3	4110.4
-30°	4190.1	4153.5	4125.5	4073.8	4054.5	3992.1	3942.6	3865.1	3755.3	3654.2	3542.3
-32.5°	3467.0	3430.4	3421.8	3398.1	3385.2	3344.3	3288.3	3232.4	3144.2	3068.8	2978.5
-35°	2825.7	2799.8	2802.0	2799.8	2786.9	2756.8	2687.9	2672.9	2608.3	2539.4	2481.3
-37.5°	2313.5	2315.6	2313.5	2311.3	2294.1	2281.2	2231.7	2212.3	2173.6	2106.9	2072.4
-40°	1928.2	1932.5	1930.4	1926.1	1906.7	1900.3	1868.0	1842.2	1827.1	1779.8	1743.2
-42.5°	1616.2	1622.7	1620.5	1618.3	1605.4	1603.3	1586.1	1555.9	1547.3	1519.4	1480.6
-45°	1379.5	1377.3	1373.0	1377.3	1370.9	1364.4	1353.6	1334.3	1323.5	1310.6	1278.3
-47.5°	1192.2	1194.4	1190.1	1190.1	1181.5	1175.0	1170.7	1157.8	1149.2	1138.4	1119.1
-50°	1037.3	1045.9	1043.7	1041.6	1035.1	1030.8	1030.8	1017.9	1005.0	1000.7	987.8
-52.5°	916.8	923.2	925.4	929.7	931.8	934.0	927.5	914.6	893.1	891.0	884.5
-55°	807.0	826.4	839.3	847.9	856.5	863.0	850.1	832.8	811.3	802.7	800.6
-57.5°	731.7	751.1	766.1	779.0	789.8	800.6	787.7	770.4	751.1	740.3	738.2
-60°	662.8	680.1	695.1	712.3	727.4	744.6	738.2	725.2	714.5	705.9	697.3
-62.5°	589.7	606.9	624.1	645.6	665.0	682.2	684.4	682.2	680.1	682.2	667.1
-65°	529.4	538.0	548.8	572.4	594.0	613.3	624.1	630.6	641.3	652.1	637.0
-67.5°	464.8	475.6	488.5	505.7	523.0	535.9	550.9	568.1	585.4	602.6	591.8
-70°	406.7	415.3	426.1	434.7	445.5	454.1	467.0	486.4	505.7	523.0	518.6
-72.5°	346.5	355.1	361.5	365.9	372.3	376.6	383.1	400.3	413.2	421.8	421.8
-75°	286.2	294.8	301.3	303.4	307.7	309.9	314.2	320.7	327.1	329.3	331.4
-77.5°	219.5	228.1	234.6	238.9	243.2	247.5	249.6	253.9	256.1	256.1	258.2
-80°	163.6	170.0	174.3	180.8	182.9	187.2	191.5	193.7	195.8	195.8	198.0
-82.5°	116.2	120.5	124.8	129.1	133.4	135.6	139.9	142.0	144.2	146.3	148.5
-85°	77.5	81.8	86.1	90.4	92.5	94.7	96.8	99.0	101.1	103.3	105.5
-87.5°	45.2	47.3	49.5	53.8	56.0	60.3	62.4	60.3	62.4	62.4	62.4
-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):**

	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°	83.9	83.9	83.9	83.9	81.8	77.5	75.3	71.0	66.7	62.4	58.1
85°	174.3	176.5	176.5	176.5	172.2	170.0	163.6	157.1	148.5	135.6	124.8
82.5°	290.5	292.7	292.7	290.5	286.2	279.8	271.2	260.4	243.2	226.0	210.9
80°	436.9	439.0	439.0	436.9	426.1	415.3	404.6	391.7	370.2	346.5	320.7
77.5°	611.2	615.5	615.5	609.0	594.0	581.1	563.8	542.3	510.0	475.6	441.2
75°	813.5	824.2	826.4	819.9	800.6	776.9	748.9	712.3	662.8	619.8	578.9
72.5°	1048.1	1058.8	1067.4	1058.8	1030.8	998.6	957.7	914.6	865.1	807.0	738.2
70°	1355.8	1366.6	1373.0	1345.0	1295.5	1241.7	1192.2	1142.7	1084.6	1013.6	938.3
67.5°	1743.2	1732.4	1719.5	1663.5	1601.1	1536.6	1467.7	1394.5	1319.2	1243.9	1155.7
65°	2115.5	2085.3	2057.4	1990.7	1911.0	1827.1	1747.5	1665.7	1575.3	1480.6	1396.7
62.5°	2507.1	2442.6	2373.7	2291.9	2210.2	2117.6	2038.0	1941.2	1840.0	1723.8	1616.2
60°	2892.4	2814.9	2746.0	2644.9	2537.3	2412.5	2326.4	2231.7	2113.3	1988.5	1861.5
57.5°	3264.7	3180.7	3105.4	3017.2	2901.0	2765.4	2670.7	2548.0	2423.2	2266.1	2137.0
55°	3660.7	3576.7	3516.5	3417.5	3290.5	3165.7	3062.4	2933.3	2758.9	2591.1	2431.8
52.5°	4114.7	4048.0	3983.5	3882.3	3729.5	3602.5	3488.5	3344.3	3161.4	2954.8	2763.2
50°	4622.6	4588.2	4519.3	4401.0	4226.6	4114.7	3964.1	3772.6	3576.7	3359.4	3120.5
47.5°	5296.2	5240.3	5143.4	5014.3	4868.0	4700.1	4497.8	4274.0	3996.4	3755.3	3501.4
45°	6101.1	5997.8	5873.0	5698.7	5517.9	5328.5	5106.8	4822.8	4450.5	4136.3	3869.4
42.5°	6972.7	6832.8	6662.8	6434.7	6200.1	5967.7	5728.8	5341.4	4876.6	4515.0	4213.7
40°	7883.0	7704.4	7491.3	7159.9	6899.5	6600.4	6327.1	5748.2	5253.2	4861.5	4540.8
37.5°	8773.9	8548.0	8190.7	7788.3	7484.9	7239.5	6639.1	6019.3	5576.0	5145.6	4820.6
35°	9456.2	9264.6	8634.1	8216.6	7956.2	7568.8	6817.7	6182.9	5713.7	5356.5	4850.7
32.5°	9860.7	9365.8	8812.7	8390.9	8175.7	7540.8	6830.6	6230.2	5778.3	5378.0	4773.3
30°	9770.4	9172.1	8687.9	8334.9	7867.9	7297.6	6710.1	6157.0	5718.0	5233.8	4687.2
27.5°	9225.9	8763.2	8330.6	7962.6	7504.2	6992.0	6449.7	5963.4	5554.5	5085.3	4568.8
25°	8610.4	8190.7	7870.1	7549.4	7114.7	6626.2	6148.4	5797.6	5386.6	4923.9	4413.9
22.5°	8044.4	7743.1	7491.3	7155.6	6731.6	6305.5	6008.6	5644.9	5223.0	4753.9	4254.6
20°	7682.9	7478.4	7190.0	6819.9	6486.3	6219.5	5890.2	5505.0	5070.3	4579.6	4119.0
17.5°	7508.5	7271.8	6951.2	6710.1	6454.0	6161.3	5793.3	5384.5	4921.8	4500.0	4134.1
15°	7418.2	7168.5	6957.6	6720.9	6432.5	6124.8	5715.9	5291.9	4921.8	4532.2	4144.9
12.5°	7437.5	7222.3	6992.0	6733.8	6423.9	6094.6	5724.5	5330.7	4947.6	4555.9	4147.0
10°	7497.8	7271.8	7026.5	6740.3	6428.2	6103.2	5748.2	5354.3	4960.5	4566.7	4142.7
7.5°	7519.3	7274.0	7011.4	6723.0	6417.4	6098.9	5752.5	5360.8	4962.6	4564.5	4129.8
5°	7452.6	7230.9	6977.0	6686.4	6387.3	6077.4	5735.2	5352.2	4945.4	4543.0	4097.5
2.5°	7362.2	7183.6	6940.4	6660.6	6357.2	6047.3	5707.3	5313.4	4906.7	4504.3	4056.6
0°	7347.1	7125.5	6880.1	6630.5	6307.7	5980.6	5642.7	5240.3	4835.7	4431.1	3985.6
-2.5°	7248.1	7013.6	6768.2	6497.1	6213.0	5883.7	5528.6	5134.8	4734.5	4336.4	3908.1
-5°	7172.8	6912.4	6652.0	6359.3	6073.1	5743.8	5375.8	4992.8	4601.1	4213.7	3800.5
-7.5°	7071.7	6804.8	6531.5	6225.9	5916.0	5580.3	5216.6	4833.5	4448.3	4063.1	3667.1
-10°	6867.2	6632.6	6376.6	6060.2	5733.1	5397.4	5035.8	4659.2	4274.0	3884.5	3486.3
-12.5°	6619.7	6372.2	6092.5	5802.0	5509.3	5197.2	4835.7	4465.5	4078.2	3686.5	3290.5
-15°	6299.1	6055.9	5769.7	5485.6	5203.7	4904.5	4586.0	4252.5	3858.6	3473.4	3077.4
-17.5°	5898.8	5670.7	5414.6	5143.4	4863.7	4562.4	4252.5	3970.6	3602.5	3241.0	2849.3
-20°	5468.4	5255.3	5025.1	4769.0	4489.2	4194.4	3901.7	3606.9	3288.3	2969.8	2606.1



REPORT NUMBER: P721968  
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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°	5020.8	4805.5	4573.1	4334.2	4076.0	3802.7	3531.5	3249.6	2969.8	2681.5	2373.7
-25°	4504.3	4314.9	4101.8	3869.4	3639.1	3400.3	3142.0	2885.9	2647.0	2397.4	2145.6
-27.5°	3964.1	3789.8	3596.1	3393.8	3195.8	2995.7	2771.9	2535.1	2337.1	2130.5	1921.8
-30°	3396.0	3256.1	3099.0	2922.5	2769.7	2608.3	2421.1	2225.2	2044.5	1887.4	1719.5
-32.5°	2857.9	2739.6	2627.7	2511.5	2360.8	2236.0	2106.9	1962.7	1803.4	1654.9	1534.4
-35°	2395.2	2268.3	2220.9	2134.8	2027.2	1917.5	1822.8	1719.5	1599.0	1467.7	1368.7
-37.5°	2005.7	1930.4	1863.7	1816.3	1745.3	1657.1	1581.8	1506.4	1413.9	1314.9	1215.9
-40°	1702.3	1650.6	1577.5	1553.8	1508.6	1448.3	1370.9	1312.8	1250.3	1175.0	1091.1
-42.5°	1459.1	1420.4	1373.0	1332.1	1312.8	1269.7	1209.5	1153.5	1104.0	1052.4	987.8
-45°	1259.0	1233.1	1203.0	1166.4	1151.4	1116.9	1073.9	1011.5	983.5	940.5	893.1
-47.5°	1097.6	1084.6	1063.1	1039.4	1017.9	992.1	953.4	914.6	875.9	847.9	811.3
-50°	970.6	962.0	949.1	929.7	901.7	884.5	858.7	824.2	787.7	764.0	738.2
-52.5°	869.4	860.8	852.2	837.2	815.6	798.4	776.9	748.9	718.8	695.1	673.6
-55°	792.0	779.0	772.6	759.7	742.5	723.1	703.7	684.4	658.5	637.0	615.5
-57.5°	731.7	714.5	705.9	695.1	677.9	658.5	643.5	624.1	606.9	583.2	563.8
-60°	684.4	665.0	647.8	637.0	621.9	602.6	587.5	572.4	555.2	535.9	512.2
-62.5°	645.6	621.9	598.3	585.4	570.3	553.1	538.0	523.0	505.7	486.4	464.8
-65°	609.0	581.1	550.9	538.0	523.0	505.7	486.4	475.6	460.5	443.3	421.8
-67.5°	563.8	533.7	507.9	492.8	477.8	462.7	445.5	434.7	419.7	398.1	376.6
-70°	497.1	477.8	460.5	447.6	434.7	421.8	404.6	387.4	370.2	350.8	331.4
-72.5°	413.2	406.7	404.6	398.1	383.1	368.0	350.8	333.6	318.5	303.4	288.4
-75°	333.6	337.9	342.2	340.0	325.0	309.9	294.8	279.8	269.0	256.1	243.2
-77.5°	264.7	269.0	273.3	273.3	262.6	253.9	243.2	232.4	223.8	213.1	200.1
-80°	204.4	210.9	217.4	221.7	213.1	206.6	198.0	189.4	180.8	172.2	163.6
-82.5°	154.9	161.4	167.9	172.2	165.7	161.4	154.9	148.5	142.0	133.4	127.0
-85°	111.9	116.2	120.5	122.7	118.4	114.1	109.8	105.5	101.1	94.7	90.4
-87.5°	64.6	66.7	68.9	71.0	66.7	62.4	60.3	56.0	53.8	49.5	47.3
-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):**

	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°	53.8	49.5	45.2	43.0	38.7	32.3	28.0	23.7	19.4	15.1	12.9
85°	114.1	103.3	90.4	83.9	75.3	66.7	58.1	49.5	40.9	32.3	23.7
82.5°	195.8	182.9	170.0	154.9	135.6	111.9	88.2	73.2	60.3	47.3	36.6
80°	294.8	271.2	249.6	230.3	208.7	178.6	146.3	116.2	81.8	62.4	47.3
77.5°	408.9	380.9	350.8	318.5	284.1	243.2	206.6	167.9	127.0	86.1	60.3
75°	538.0	501.4	460.5	415.3	370.2	316.4	264.7	219.5	172.2	120.5	73.2
72.5°	682.2	637.0	587.5	527.3	456.2	393.8	331.4	271.2	215.2	152.8	99.0
70°	867.3	796.3	723.1	658.5	568.1	469.1	396.0	327.1	256.1	187.2	124.8
67.5°	1065.3	979.2	891.0	796.3	682.2	566.0	460.5	383.1	299.1	219.5	148.5
65°	1280.5	1172.9	1061.0	955.5	798.4	660.7	542.3	436.9	340.0	249.6	172.2
62.5°	1502.1	1375.2	1246.0	1108.3	927.5	757.5	619.8	497.1	378.8	277.6	193.7
60°	1738.9	1590.4	1433.3	1261.1	1050.2	863.0	693.0	559.5	419.7	305.6	217.4
57.5°	1988.5	1827.1	1642.0	1409.6	1177.2	964.1	776.9	615.5	456.2	331.4	234.6
55°	2259.7	2074.6	1872.3	1564.5	1302.0	1065.3	860.8	671.4	495.0	352.9	251.8
52.5°	2552.3	2337.1	2081.0	1728.1	1433.3	1168.6	938.3	720.9	531.6	376.6	266.9
50°	2879.5	2608.3	2264.0	1878.7	1547.3	1265.4	1015.8	774.7	561.7	402.4	279.8
47.5°	3219.5	2926.8	2427.5	2018.6	1663.5	1360.1	1095.4	822.1	591.8	424.0	292.7
45°	3574.6	3148.5	2597.5	2143.5	1764.7	1446.2	1155.7	865.1	628.4	443.3	303.4
42.5°	3925.4	3316.3	2746.0	2268.3	1859.4	1523.7	1205.2	906.0	658.5	462.7	314.2
40°	4091.1	3443.3	2864.4	2354.4	1939.0	1592.5	1248.2	942.6	684.4	475.6	325.0
37.5°	4159.9	3520.8	2941.9	2436.1	2001.4	1629.1	1284.8	974.9	705.9	488.5	333.6
35°	4175.0	3548.7	2980.6	2492.1	2053.1	1663.5	1312.8	998.6	723.1	501.4	342.2
32.5°	4147.0	3540.1	2991.4	2511.5	2085.3	1689.4	1332.1	1015.8	736.0	514.3	350.8
30°	4084.6	3494.9	2952.6	2509.3	2109.0	1704.4	1345.0	1028.7	748.9	523.0	355.1
27.5°	3983.5	3415.3	2903.1	2511.5	2121.9	1710.9	1351.5	1035.1	757.5	529.4	363.7
25°	3858.6	3307.7	2905.3	2507.1	2124.1	1713.0	1351.5	1035.1	759.7	531.6	370.2
22.5°	3714.5	3307.7	2905.3	2500.7	2111.2	1708.7	1345.0	1030.8	759.7	535.9	376.6
20°	3723.1	3309.9	2898.8	2487.8	2091.8	1695.8	1330.0	1020.1	753.2	542.3	380.9
17.5°	3729.5	3305.6	2885.9	2470.6	2066.0	1674.3	1310.6	1005.0	753.2	548.8	383.1
15°	3729.5	3292.7	2866.5	2444.7	2033.7	1644.2	1282.6	992.1	755.4	550.9	387.4
12.5°	3723.1	3269.0	2836.4	2410.3	1995.0	1607.6	1265.4	987.8	755.4	553.1	387.4
10°	3710.2	3236.7	2797.7	2367.3	1958.4	1594.7	1256.8	979.2	751.1	553.1	387.4
7.5°	3686.5	3198.0	2765.4	2341.4	1936.9	1579.6	1243.9	966.3	744.6	548.8	391.7
5°	3649.9	3176.4	2739.6	2311.3	1906.7	1568.9	1235.3	955.5	740.3	548.8	387.4
2.5°	3602.5	3150.6	2709.4	2272.6	1872.3	1532.3	1207.3	931.8	725.2	540.2	383.1
0°	3525.1	3099.0	2657.8	2218.8	1824.9	1495.7	1179.3	908.2	710.2	531.6	378.8
-2.5°	3454.1	3030.1	2591.1	2162.8	1779.8	1463.4	1157.8	895.3	703.7	529.4	376.6
-5°	3355.1	2935.4	2502.8	2089.7	1719.5	1431.1	1136.3	880.2	697.3	525.1	376.6
-7.5°	3245.3	2836.4	2410.3	2014.3	1659.2	1375.2	1095.4	856.5	682.2	516.5	374.5
-10°	3075.3	2687.9	2294.1	1928.2	1594.7	1325.7	1061.0	835.0	669.3	507.9	365.9
-12.5°	2894.5	2524.4	2160.7	1822.8	1521.5	1274.0	1022.2	811.3	654.2	499.3	361.5
-15°	2703.0	2356.5	2020.8	1713.0	1441.9	1211.6	981.3	785.5	639.2	488.5	355.1
-17.5°	2502.8	2180.0	1876.6	1601.1	1362.3	1147.0	938.3	761.8	621.9	477.8	348.6
-20°	2291.9	1999.3	1730.3	1487.1	1278.3	1082.5	893.1	733.9	602.6	464.8	340.0



REPORT NUMBER: P721968  
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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°	2083.2	1820.6	1579.6	1375.2	1192.2	1015.8	847.9	705.9	581.1	449.8	333.6
-25°	1898.1	1652.8	1446.2	1267.6	1108.3	951.2	800.6	677.9	557.4	434.7	325.0
-27.5°	1717.3	1508.6	1314.9	1166.4	1026.5	888.8	755.4	647.8	533.7	417.5	316.4
-30°	1549.5	1370.9	1211.6	1067.4	949.1	832.8	716.6	617.6	507.9	400.3	305.6
-32.5°	1396.7	1252.5	1119.1	981.3	875.9	776.9	680.1	587.5	482.1	383.1	294.8
-35°	1254.7	1142.7	1026.5	910.3	802.7	725.2	641.3	555.2	458.4	363.7	284.1
-37.5°	1127.7	1037.3	944.8	845.8	753.2	675.7	604.7	523.0	434.7	346.5	273.3
-40°	1017.9	944.8	863.0	783.3	705.9	632.7	568.1	490.7	411.0	333.6	262.6
-42.5°	916.8	860.8	794.1	727.4	658.5	594.0	531.6	456.2	387.4	318.5	251.8
-45°	839.3	783.3	729.5	669.3	611.2	555.2	492.8	426.1	365.9	301.3	241.0
-47.5°	766.1	716.6	667.1	617.6	570.3	518.6	456.2	400.3	342.2	286.2	232.4
-50°	701.6	654.2	611.2	568.1	527.3	477.8	419.7	374.5	322.8	271.2	221.7
-52.5°	641.3	600.4	557.4	523.0	488.5	439.0	391.7	348.6	303.4	253.9	210.9
-55°	587.5	548.8	510.0	477.8	445.5	402.4	363.7	327.1	284.1	241.0	200.1
-57.5°	535.9	503.6	467.0	436.9	404.6	370.2	337.9	303.4	264.7	228.1	189.4
-60°	488.5	458.4	426.1	396.0	368.0	340.0	309.9	281.9	247.5	213.1	178.6
-62.5°	441.2	415.3	387.4	357.2	335.7	309.9	286.2	258.2	230.3	200.1	159.3
-65°	398.1	374.5	348.6	322.8	303.4	284.1	262.6	236.7	213.1	185.1	142.0
-67.5°	355.1	333.6	312.0	290.5	273.3	258.2	236.7	217.4	198.0	167.9	124.8
-70°	314.2	297.0	277.6	260.4	247.5	230.3	215.2	198.0	180.8	146.3	105.5
-72.5°	275.5	258.2	243.2	230.3	219.5	204.4	191.5	178.6	154.9	122.7	88.2
-75°	230.3	219.5	210.9	200.1	189.4	178.6	167.9	152.8	129.1	99.0	68.9
-77.5°	189.4	182.9	176.5	167.9	159.3	150.6	137.7	122.7	103.3	77.5	56.0
-80°	154.9	148.5	144.2	135.6	129.1	120.5	107.6	94.7	75.3	60.3	45.2
-82.5°	118.4	114.1	109.8	105.5	99.0	90.4	77.5	66.7	56.0	45.2	34.4
-85°	83.9	81.8	77.5	73.2	66.7	60.3	51.6	45.2	38.7	30.1	23.7
-87.5°	43.0	40.9	38.7	36.6	34.4	30.1	25.8	21.5	19.4	15.1	10.8
-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°	8.6	6.5	2.2	0.0
85°	17.2	10.8	4.3	0.0
82.5°	25.8	17.2	6.5	0.0
80°	34.4	21.5	10.8	0.0
77.5°	43.0	25.8	12.9	0.0
75°	51.6	32.3	15.1	0.0
72.5°	58.1	36.6	17.2	0.0
70°	68.9	43.0	19.4	0.0
67.5°	86.1	47.3	21.5	0.0
65°	101.1	51.6	23.7	0.0
62.5°	118.4	56.0	25.8	0.0
60°	133.4	60.3	28.0	0.0
57.5°	148.5	71.0	30.1	0.0
55°	161.4	79.6	32.3	0.0
52.5°	176.5	88.2	34.4	0.0
50°	189.4	96.8	36.6	0.0
47.5°	200.1	105.5	36.6	0.0
45°	208.7	111.9	38.7	0.0
42.5°	215.2	118.4	40.9	0.0
40°	221.7	124.8	43.0	0.0
37.5°	228.1	131.3	43.0	0.0
35°	234.6	137.7	45.2	0.0
32.5°	241.0	144.2	45.2	0.0
30°	245.3	148.5	47.3	0.0
27.5°	251.8	152.8	47.3	0.0
25°	253.9	157.1	49.5	0.0
22.5°	258.2	159.3	49.5	0.0
20°	262.6	163.6	49.5	0.0
17.5°	264.7	165.7	51.6	0.0
15°	264.7	167.9	53.8	0.0
12.5°	266.9	170.0	53.8	0.0
10°	266.9	174.3	51.6	0.0
7.5°	271.2	172.2	51.6	0.0
5°	269.0	172.2	51.6	0.0
2.5°	266.9	170.0	51.6	0.0
0°	264.7	170.0	51.6	0.0
-2.5°	264.7	170.0	51.6	0.0
-5°	264.7	170.0	51.6	0.0
-7.5°	262.6	172.2	51.6	0.0
-10°	258.2	172.2	51.6	0.0
-12.5°	256.1	165.7	51.6	0.0
-15°	253.9	163.6	51.6	0.0
-17.5°	249.6	161.4	49.5	0.0
-20°	245.3	159.3	49.5	0.0



REPORT NUMBER: P721968  
 CATALOG NUMBER: IFLD-S-SA3E-722-U-76

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°
-22.5°	241.0	154.9	49.5	0.0
-25°	236.7	150.6	47.3	0.0
-27.5°	232.4	146.3	47.3	0.0
-30°	226.0	142.0	45.2	0.0
-32.5°	219.5	137.7	45.2	0.0
-35°	215.2	131.3	43.0	0.0
-37.5°	208.7	124.8	43.0	0.0
-40°	202.3	118.4	40.9	0.0
-42.5°	195.8	111.9	38.7	0.0
-45°	187.2	105.5	38.7	0.0
-47.5°	180.8	99.0	36.6	0.0
-50°	170.0	90.4	34.4	0.0
-52.5°	157.1	81.8	32.3	0.0
-55°	144.2	75.3	30.1	0.0
-57.5°	131.3	66.7	30.1	0.0
-60°	118.4	58.1	28.0	0.0
-62.5°	105.5	53.8	25.8	0.0
-65°	92.5	49.5	23.7	0.0
-67.5°	77.5	43.0	21.5	0.0
-70°	64.6	38.7	19.4	0.0
-72.5°	56.0	34.4	17.2	0.0
-75°	47.3	30.1	15.1	0.0
-77.5°	40.9	25.8	12.9	0.0
-80°	32.3	19.4	8.6	0.0
-82.5°	23.7	15.1	6.5	0.0
-85°	15.1	10.8	4.3	0.0
-87.5°	8.6	4.3	2.2	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)