

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: P722032

Luminaire Tested: **IFLD-M-SA4A-730-U-76**

Issue Date: 10/26/2023

Test Information

Test Method: LM-79-2019
Report Number: P722032
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4A-730-U-76
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7x6 Flood distribution lens
Light Source: (64) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

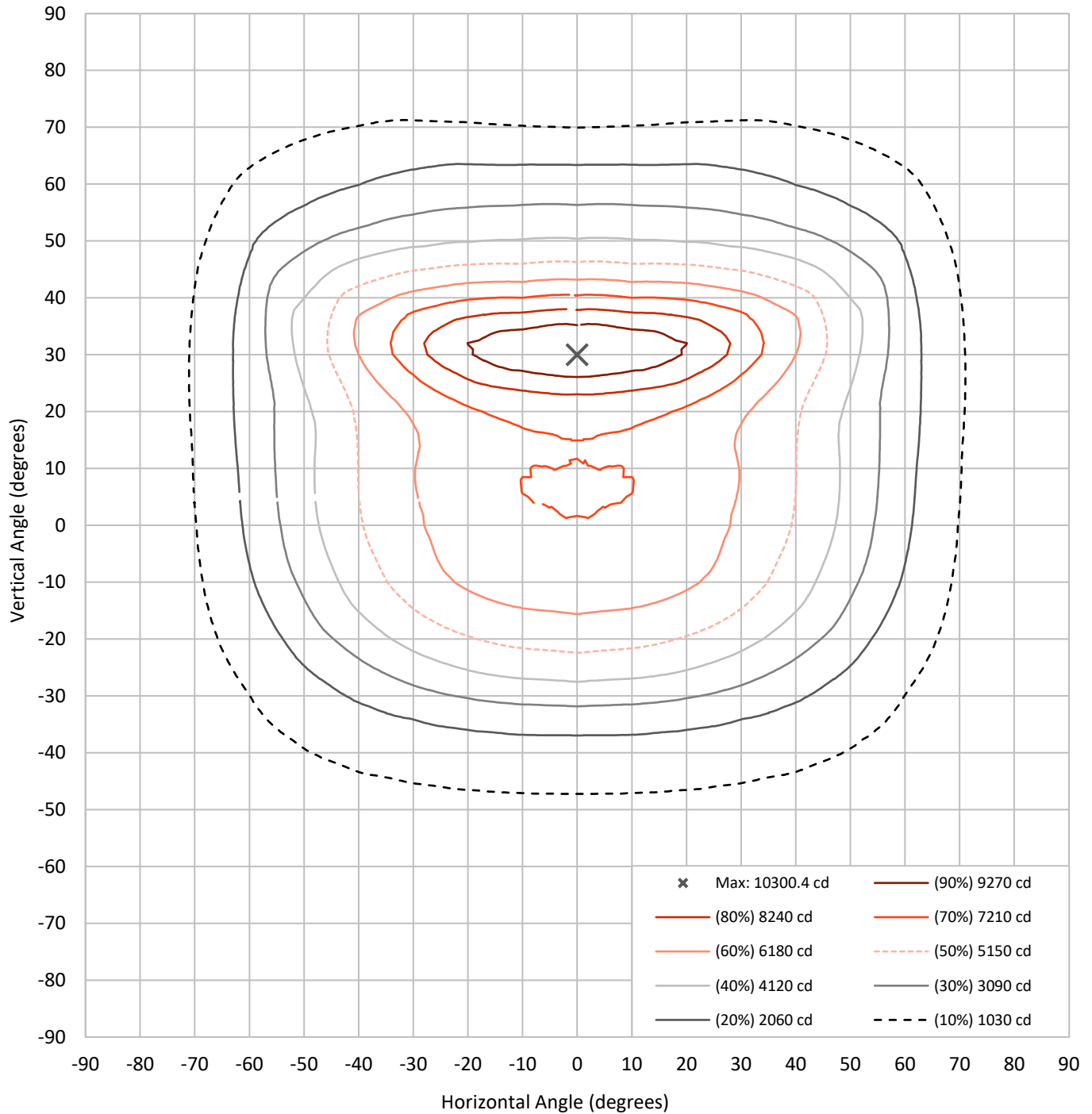
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	17193.9 lumens	Max Intensity:	10300.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	133.7 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 0.5' x H: 0')		
Beam Angle (50%):	90.8°H x 68.8°V	Field Angle (10%):	142°H x 117.1°V
Beam Lumens:	9998.5 lumens	Field Lumens:	16112.9 lumens
Beam Efficiency:	58.2%	Field Efficiency:	93.7%

Input Watts (W): 128.6
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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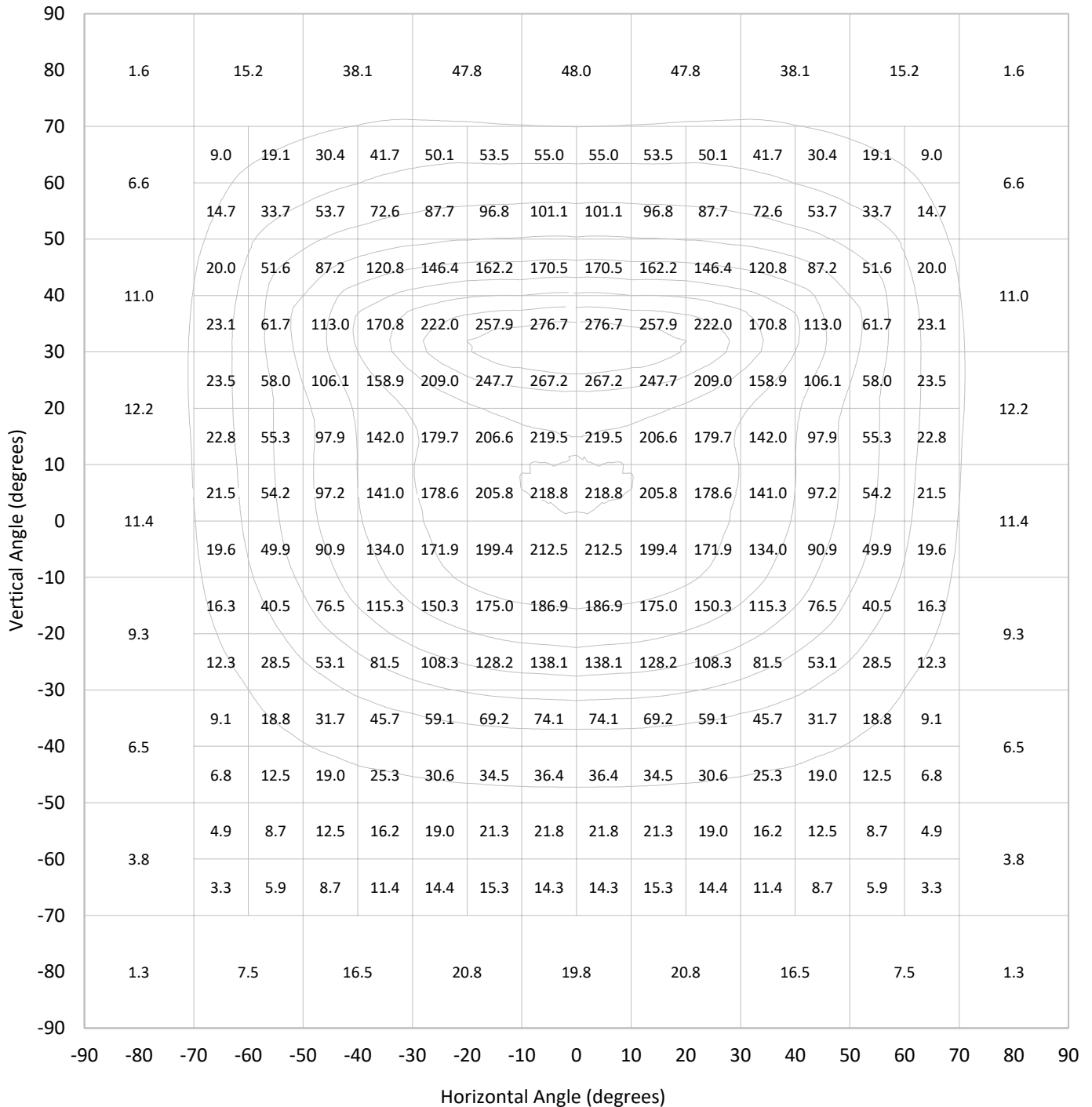
Iso-Candela Plot





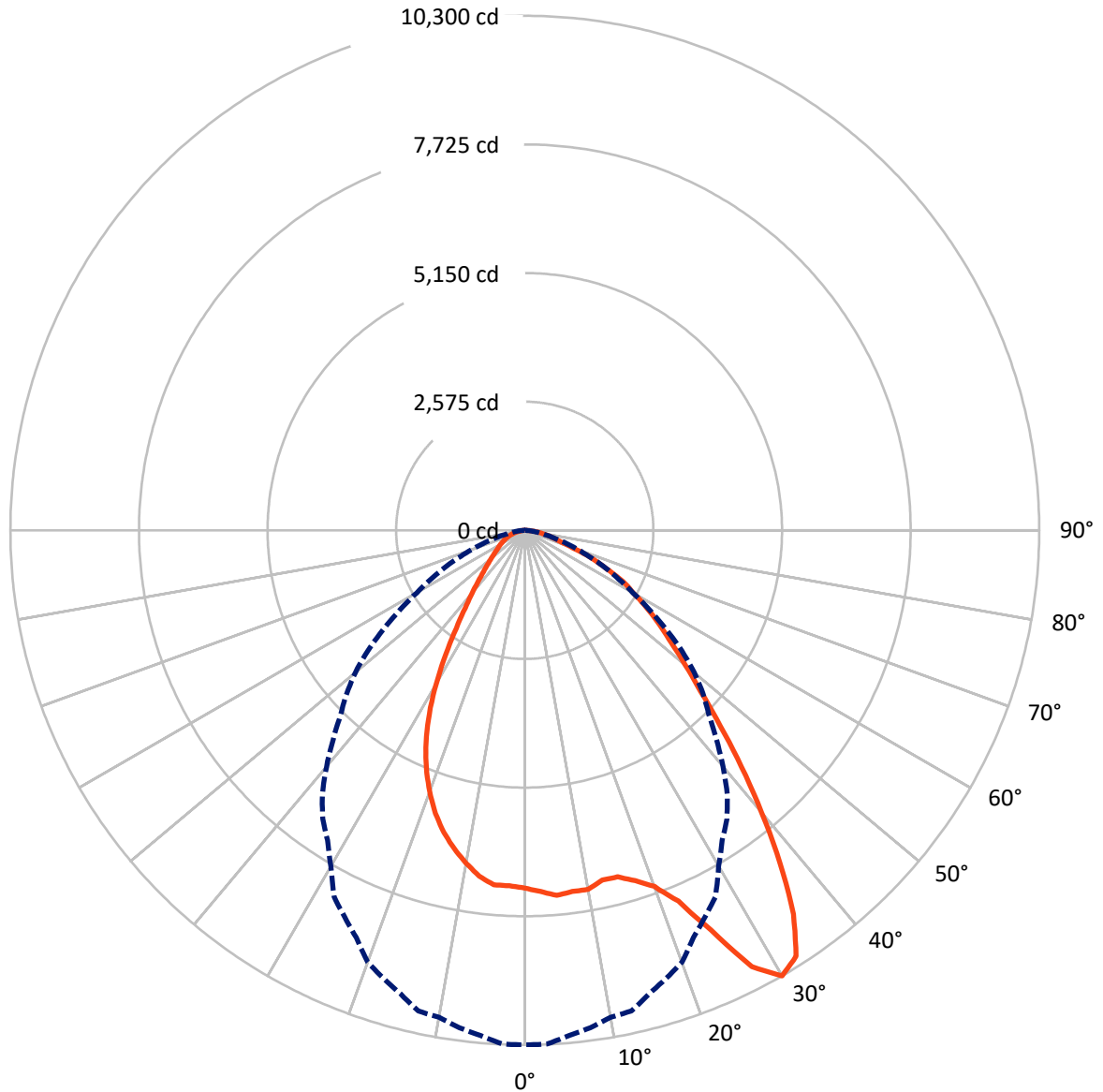
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Lumen Table



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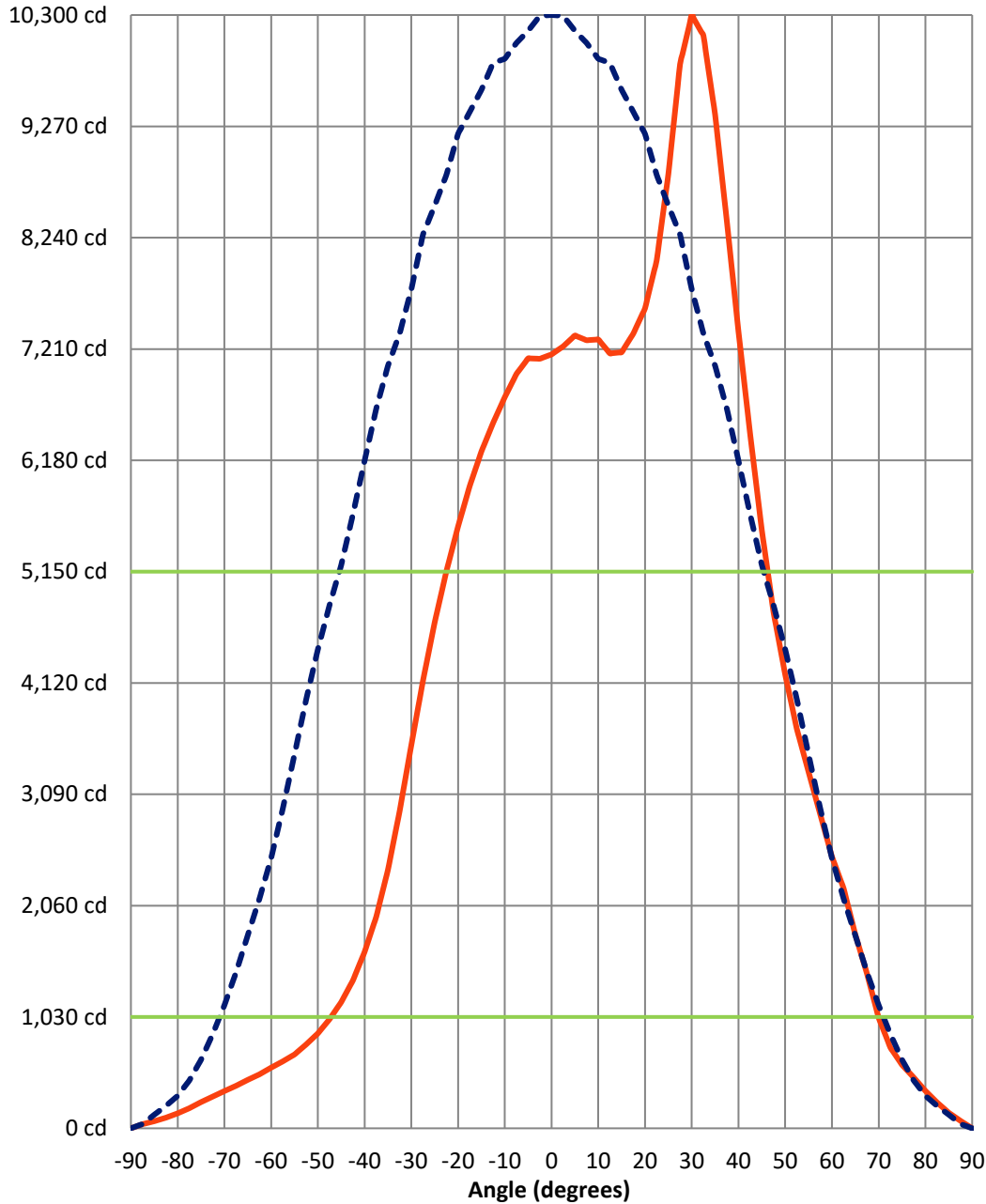
Luminous Intensity Polar Plot



— 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: 9998.5
 Efficiency: 58.2%

Field:
 H Angle: 142°
 V Angle: 117.1°
 Lumens: 16112.9
 Efficiency: 93.7%

Spill:
 Lumens: 1081
 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°	69.2	71.0	72.9	72.9	71.0	71.0	71.0	69.2	71.0	71.0	71.0
85°	143.9	147.5	151.2	149.4	147.5	143.9	140.3	142.1	143.9	145.7	145.7
82.5°	238.6	244.1	247.7	245.9	242.3	238.6	235.0	236.8	240.4	242.3	242.3
80°	346.1	347.9	349.7	353.4	347.9	347.9	346.1	353.4	357.0	360.6	364.3
77.5°	469.9	471.8	471.8	473.6	475.4	477.2	477.2	490.0	499.1	504.5	510.0
75°	586.5	592.0	597.4	602.9	610.2	613.8	619.3	637.5	652.1	663.0	673.9
72.5°	746.8	754.1	763.2	775.9	788.7	797.8	810.6	832.4	848.8	859.7	872.5
70°	1021.8	1029.1	1038.2	1047.3	1060.1	1069.2	1081.9	1109.3	1125.7	1133.0	1140.2
67.5°	1429.8	1448.1	1464.5	1446.2	1437.1	1424.4	1428.0	1453.5	1469.9	1480.8	1479.0
65°	1792.3	1805.1	1805.1	1803.2	1796.0	1779.6	1788.7	1819.6	1837.9	1847.0	1819.6
62.5°	2218.5	2218.5	2209.4	2224.0	2225.8	2214.9	2209.4	2211.3	2213.1	2218.5	2173.0
60°	2513.6	2531.8	2537.3	2550.0	2553.7	2553.7	2562.8	2570.1	2570.1	2559.2	2506.3
57.5°	2903.4	2938.0	2945.3	2936.2	2918.0	2894.3	2890.7	2879.7	2857.9	2836.0	2810.5
55°	3296.8	3315.1	3313.2	3307.8	3289.6	3262.2	3265.9	3251.3	3216.7	3189.4	3154.8
52.5°	3692.1	3735.8	3743.1	3732.2	3706.7	3677.5	3679.4	3663.0	3628.4	3599.2	3551.9
50°	4196.7	4233.1	4229.4	4211.2	4174.8	4152.9	4154.8	4123.8	4083.7	4074.6	4012.7
47.5°	4774.1	4815.9	4808.7	4783.2	4734.0	4724.9	4734.0	4693.9	4670.2	4650.2	4577.3
45°	5531.8	5581.0	5553.6	5504.5	5426.1	5435.2	5448.0	5440.7	5389.7	5336.9	5244.0
42.5°	6420.7	6451.6	6418.8	6369.7	6271.3	6289.5	6282.2	6238.5	6207.5	6120.1	6001.7
40°	7371.5	7438.9	7387.9	7311.4	7209.4	7236.7	7216.6	7160.2	7087.3	6978.0	6828.7
37.5°	8396.9	8449.8	8391.5	8302.2	8211.2	8202.0	8162.0	8074.5	7970.7	7850.5	7611.9
35°	9378.7	9515.3	9407.9	9265.8	9154.7	9112.8	9074.5	8872.3	8754.0	8559.1	8233.0
32.5°	10109.1	10209.3	10076.3	9928.8	9794.0	9735.7	9600.9	9360.5	9296.7	8886.9	8588.2
30°	10300.4	10293.1	10154.7	10041.7	9896.0	9855.9	9608.2	9404.2	9200.2	8821.3	8537.2
27.5°	9845.0	9799.5	9666.5	9568.1	9424.3	9376.9	9132.8	9023.5	8708.4	8387.8	8147.4
25°	8830.5	8854.1	8754.0	8704.8	8610.1	8508.1	8411.5	8264.0	8067.3	7786.8	7566.4
22.5°	8030.8	8061.8	8019.9	7961.6	7888.8	7832.3	7759.4	7644.7	7455.2	7282.2	7074.6
20°	7586.4	7577.3	7540.9	7497.1	7427.9	7387.9	7307.7	7211.2	7065.5	6916.1	6692.1
17.5°	7353.2	7296.8	7262.2	7245.8	7209.4	7158.4	7063.6	6965.3	6852.3	6682.9	6519.0
15°	7180.2	7189.3	7162.0	7149.2	7120.1	7049.1	6952.5	6872.4	6719.4	6633.8	6484.4
12.5°	7169.3	7160.2	7162.0	7156.5	7120.1	7029.0	6979.8	6877.8	6779.5	6666.6	6495.3
10°	7298.6	7202.1	7209.4	7234.9	7176.6	7103.7	7050.9	6939.8	6846.9	6703.0	6533.6
7.5°	7291.3	7242.1	7256.7	7214.8	7233.0	7143.8	7070.9	6959.8	6843.2	6690.2	6537.2
5°	7335.0	7260.4	7247.6	7251.2	7205.7	7138.3	7040.0	6934.3	6825.0	6653.8	6497.2
2.5°	7234.9	7245.8	7187.5	7165.6	7160.2	7047.2	6956.2	6854.2	6741.2	6590.1	6449.8
0°	7160.2	7180.2	7120.1	7089.1	7087.3	6990.8	6932.5	6815.9	6735.8	6610.1	6440.7
-2.5°	7120.1	7143.8	7151.1	7094.6	7040.0	6965.3	6866.9	6741.2	6610.1	6464.4	6318.7
-5°	7123.7	7076.4	7056.3	7074.6	7027.2	6952.5	6843.2	6732.1	6602.8	6446.2	6264.0
-7.5°	6979.8	6932.5	6928.8	6919.7	6908.8	6837.8	6746.7	6626.5	6495.3	6349.6	6180.2
-10°	6764.9	6730.3	6721.2	6712.1	6682.9	6641.1	6555.4	6446.2	6327.8	6182.0	6001.7
-12.5°	6526.3	6509.9	6475.3	6451.6	6422.5	6373.3	6291.3	6191.2	6072.8	5943.4	5788.6
-15°	6262.2	6231.2	6196.6	6176.6	6134.7	6076.4	5994.4	5901.5	5772.2	5644.7	5499.0
-17.5°	5943.4	5905.2	5866.9	5861.5	5832.3	5743.1	5666.6	5553.6	5440.7	5318.7	5176.6
-20°	5568.2	5515.4	5489.9	5475.3	5435.2	5369.7	5287.7	5183.9	5074.6	4958.0	4794.1



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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°	5152.9	5107.4	5063.7	5036.3	5001.7	4950.7	4872.4	4781.3	4673.9	4542.7	4391.5
-25°	4681.2	4617.4	4590.1	4559.1	4540.9	4493.5	4417.0	4333.3	4222.2	4094.6	3950.8
-27.5°	4142.0	4091.0	4076.4	4032.7	4010.9	3961.7	3897.9	3819.6	3717.6	3597.4	3479.0
-30°	3546.4	3515.4	3491.7	3448.0	3431.6	3378.8	3336.9	3271.3	3178.5	3092.8	2998.1
-32.5°	2934.4	2903.4	2896.1	2876.1	2865.2	2830.6	2783.2	2735.8	2661.2	2597.4	2520.9
-35°	2391.6	2369.7	2371.5	2369.7	2358.8	2333.3	2275.0	2262.3	2207.6	2149.3	2100.1
-37.5°	1958.1	1959.9	1958.1	1956.3	1941.7	1930.8	1888.9	1872.5	1839.7	1783.2	1754.1
-40°	1632.0	1635.7	1633.9	1630.2	1613.8	1608.4	1581.0	1559.2	1546.4	1506.4	1475.4
-42.5°	1367.9	1373.4	1371.6	1369.7	1358.8	1357.0	1342.4	1316.9	1309.6	1286.0	1253.2
-45°	1167.6	1165.7	1162.1	1165.7	1160.3	1154.8	1145.7	1129.3	1120.2	1109.3	1081.9
-47.5°	1009.1	1010.9	1007.3	1007.3	1000.0	994.5	990.9	979.9	972.7	963.6	947.2
-50°	877.9	885.2	883.4	881.6	876.1	872.5	872.5	861.6	850.6	847.0	836.1
-52.5°	775.9	781.4	783.2	786.9	788.7	790.5	785.1	774.1	755.9	754.1	748.6
-55°	683.0	699.4	710.4	717.7	724.9	730.4	719.5	704.9	686.7	679.4	677.6
-57.5°	619.3	635.7	648.4	659.4	668.5	677.6	666.7	652.1	635.7	626.6	624.8
-60°	561.0	575.6	588.3	602.9	615.7	630.2	624.8	613.8	604.7	597.4	590.2
-62.5°	499.1	513.7	528.2	546.4	562.8	577.4	579.2	577.4	575.6	577.4	564.7
-65°	448.1	455.4	464.5	484.5	502.7	519.1	528.2	533.7	542.8	551.9	539.2
-67.5°	393.4	402.5	413.5	428.0	442.6	453.5	466.3	480.9	495.4	510.0	500.9
-70°	344.3	351.5	360.6	367.9	377.0	384.3	395.3	411.7	428.0	442.6	439.0
-72.5°	293.3	300.5	306.0	309.6	315.1	318.8	324.2	338.8	349.7	357.0	357.0
-75°	242.3	249.5	255.0	256.8	260.5	262.3	265.9	271.4	276.9	278.7	280.5
-77.5°	185.8	193.1	198.5	202.2	205.8	209.5	211.3	214.9	216.8	216.8	218.6
-80°	138.4	143.9	147.5	153.0	154.8	158.5	162.1	163.9	165.8	165.8	167.6
-82.5°	98.4	102.0	105.6	109.3	112.9	114.8	118.4	120.2	122.0	123.9	125.7
-85°	65.6	69.2	72.9	76.5	78.3	80.1	82.0	83.8	85.6	87.4	89.3
-87.5°	38.3	40.1	41.9	45.5	47.4	51.0	52.8	51.0	52.8	52.8	52.8
-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):

	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°	71.0	71.0	71.0	71.0	69.2	65.6	63.8	60.1	56.5	52.8	49.2
85°	147.5	149.4	149.4	149.4	145.7	143.9	138.4	133.0	125.7	114.8	105.6
82.5°	245.9	247.7	247.7	245.9	242.3	236.8	229.5	220.4	205.8	191.3	178.5
80°	369.8	371.6	371.6	369.8	360.6	351.5	342.4	331.5	313.3	293.3	271.4
77.5°	517.3	520.9	520.9	515.5	502.7	491.8	477.2	459.0	431.7	402.5	373.4
75°	688.5	697.6	699.4	694.0	677.6	657.5	633.9	602.9	561.0	524.6	490.0
72.5°	887.1	896.2	903.4	896.2	872.5	845.2	810.6	774.1	732.2	683.0	624.8
70°	1147.5	1156.6	1162.1	1138.4	1096.5	1051.0	1009.1	967.2	918.0	857.9	794.2
67.5°	1475.4	1466.3	1455.3	1408.0	1355.2	1300.5	1242.2	1180.3	1116.6	1052.8	978.1
65°	1790.5	1765.0	1741.3	1684.9	1617.5	1546.4	1479.0	1409.8	1333.3	1253.2	1182.1
62.5°	2122.0	2067.4	2009.1	1939.9	1870.6	1792.3	1724.9	1643.0	1557.4	1459.0	1367.9
60°	2448.0	2382.5	2324.2	2238.6	2147.5	2041.9	1969.0	1888.9	1788.7	1683.0	1575.6
57.5°	2763.2	2692.1	2628.4	2553.7	2455.3	2340.6	2260.4	2156.6	2051.0	1918.0	1808.7
55°	3098.3	3027.3	2976.3	2892.5	2785.0	2679.4	2591.9	2482.7	2335.1	2193.0	2058.3
52.5°	3482.6	3426.2	3371.5	3285.9	3156.6	3049.1	2952.6	2830.6	2675.7	2500.9	2338.8
50°	3912.5	3883.4	3825.1	3724.9	3577.4	3482.6	3355.1	3193.0	3027.3	2843.3	2641.1
47.5°	4482.6	4435.3	4353.3	4244.0	4120.1	3978.1	3806.9	3617.4	3382.5	3178.5	2963.5
45°	5163.8	5076.4	4970.8	4823.2	4670.2	4509.9	4322.3	4081.9	3766.8	3500.9	3275.0
42.5°	5901.5	5783.1	5639.3	5446.2	5247.6	5050.9	4848.7	4520.9	4127.4	3821.4	3566.4
40°	6672.0	6520.8	6340.5	6060.0	5839.6	5586.4	5355.1	4865.1	4446.2	4114.7	3843.3
37.5°	7426.1	7234.9	6932.5	6591.9	6335.0	6127.4	5619.2	5094.6	4719.4	4355.1	4080.1
35°	8003.5	7841.4	7307.7	6954.3	6733.9	6406.1	5770.4	5233.1	4836.0	4533.6	4105.6
32.5°	8345.9	7927.0	7458.9	7101.9	6919.7	6382.4	5781.3	5273.1	4890.6	4551.8	4040.0
30°	8269.4	7763.1	7353.2	7054.5	6659.3	6176.6	5679.3	5211.2	4839.6	4429.8	3967.1
27.5°	7808.6	7417.0	7050.9	6739.4	6351.4	5917.9	5458.9	5047.3	4701.2	4304.1	3867.0
25°	7287.7	6932.5	6661.1	6389.7	6021.8	5608.3	5203.9	4907.0	4559.1	4167.5	3735.8
22.5°	6808.6	6553.6	6340.5	6056.4	5697.5	5336.9	5085.5	4777.7	4420.7	4023.6	3601.0
20°	6502.6	6329.6	6085.5	5772.2	5489.9	5264.0	4985.3	4659.3	4291.4	3876.1	3486.3
17.5°	6355.1	6154.7	5883.3	5679.3	5462.6	5214.8	4903.4	4557.3	4165.7	3808.7	3499.0
15°	6278.6	6067.3	5888.8	5688.4	5444.4	5183.9	4837.8	4479.0	4165.7	3836.0	3508.1
12.5°	6295.0	6112.8	5917.9	5699.4	5437.1	5158.4	4845.1	4511.8	4187.5	3856.0	3510.0
10°	6346.0	6154.7	5947.1	5704.8	5440.7	5165.7	4865.1	4531.8	4198.5	3865.1	3506.3
7.5°	6364.2	6156.5	5934.3	5690.3	5431.6	5162.0	4868.8	4537.3	4200.3	3863.3	3495.4
5°	6307.7	6120.1	5905.2	5659.3	5406.1	5143.8	4854.2	4530.0	4185.7	3845.1	3468.1
2.5°	6231.2	6080.0	5874.2	5637.4	5380.6	5118.3	4830.5	4497.2	4152.9	3812.3	3433.5
0°	6218.5	6030.9	5823.2	5611.9	5338.7	5061.8	4775.9	4435.3	4092.8	3750.4	3373.3
-2.5°	6134.7	5936.1	5728.5	5499.0	5258.6	4979.9	4679.3	4346.0	4007.2	3670.2	3307.8
-5°	6070.9	5850.5	5630.1	5382.4	5140.2	4861.5	4550.0	4225.8	3894.3	3566.4	3216.7
-7.5°	5985.3	5759.5	5528.1	5269.5	5007.2	4723.1	4415.2	4091.0	3765.0	3438.9	3103.8
-10°	5812.3	5613.7	5397.0	5129.2	4852.4	4568.2	4262.2	3943.5	3617.4	3287.7	2950.8
-12.5°	5602.8	5393.4	5156.6	4910.7	4662.9	4398.8	4092.8	3779.5	3451.7	3120.2	2785.0
-15°	5331.4	5125.6	4883.3	4642.9	4404.3	4151.1	3881.5	3599.2	3265.9	2939.8	2604.7
-17.5°	4992.6	4799.6	4582.8	4353.3	4116.5	3861.5	3599.2	3360.6	3049.1	2743.1	2411.6
-20°	4628.3	4448.0	4253.1	4036.4	3799.6	3550.0	3302.3	3052.8	2783.2	2513.6	2205.8



REPORT NUMBER: P722032
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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°	4249.5	4067.3	3870.6	3668.4	3449.9	3218.5	2989.0	2750.4	2513.6	2269.5	2009.1
-25°	3812.3	3652.0	3471.7	3275.0	3080.1	2877.9	2659.3	2442.6	2240.4	2029.1	1816.0
-27.5°	3355.1	3207.6	3043.7	2872.4	2704.9	2535.5	2346.0	2145.7	1978.1	1803.2	1626.6
-30°	2874.3	2755.9	2622.9	2473.5	2344.2	2207.6	2049.1	1883.4	1730.4	1597.4	1455.3
-32.5°	2418.9	2318.7	2224.0	2125.6	1998.1	1892.5	1783.2	1661.2	1526.4	1400.7	1298.7
-35°	2027.3	1919.8	1879.8	1806.9	1715.8	1622.9	1542.8	1455.3	1353.3	1242.2	1158.5
-37.5°	1697.6	1633.9	1577.4	1537.3	1477.2	1402.5	1338.8	1275.0	1196.7	1112.9	1029.1
-40°	1440.8	1397.1	1335.1	1315.1	1276.8	1225.8	1160.3	1111.1	1058.3	994.5	923.5
-42.5°	1235.0	1202.2	1162.1	1127.5	1111.1	1074.7	1023.7	976.3	934.4	890.7	836.1
-45°	1065.6	1043.7	1018.2	987.2	974.5	945.3	908.9	856.1	832.4	796.0	755.9
-47.5°	928.9	918.0	899.8	879.8	861.6	839.7	806.9	774.1	741.3	717.7	686.7
-50°	821.5	814.2	803.3	786.9	763.2	748.6	726.8	697.6	666.7	646.6	624.8
-52.5°	735.9	728.6	721.3	708.5	690.3	675.8	657.5	633.9	608.4	588.3	570.1
-55°	670.3	659.4	653.9	643.0	628.4	612.0	595.6	579.2	557.4	539.2	520.9
-57.5°	619.3	604.7	597.4	588.3	573.8	557.4	544.6	528.2	513.7	493.6	477.2
-60°	579.2	562.8	548.3	539.2	526.4	510.0	497.3	484.5	469.9	453.5	433.5
-62.5°	546.4	526.4	506.4	495.4	482.7	468.1	455.4	442.6	428.0	411.7	393.4
-65°	515.5	491.8	466.3	455.4	442.6	428.0	411.7	402.5	389.8	375.2	357.0
-67.5°	477.2	451.7	429.9	417.1	404.4	391.6	377.0	367.9	355.2	337.0	318.8
-70°	420.8	404.4	389.8	378.9	367.9	357.0	342.4	327.9	313.3	296.9	280.5
-72.5°	349.7	344.3	342.4	337.0	324.2	311.5	296.9	282.3	269.6	256.8	244.1
-75°	282.3	286.0	289.6	287.8	275.0	262.3	249.5	236.8	227.7	216.8	205.8
-77.5°	224.0	227.7	231.3	231.3	222.2	214.9	205.8	196.7	189.4	180.3	169.4
-80°	173.0	178.5	184.0	187.6	180.3	174.9	167.6	160.3	153.0	145.7	138.4
-82.5°	131.1	136.6	142.1	145.7	140.3	136.6	131.1	125.7	120.2	112.9	107.5
-85°	94.7	98.4	102.0	103.8	100.2	96.5	92.9	89.3	85.6	80.1	76.5
-87.5°	54.6	56.5	58.3	60.1	56.5	52.8	51.0	47.4	45.5	41.9	40.1
-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°	45.5	41.9	38.3	36.4	32.8	27.3	23.7	20.0	16.4	12.8	10.9
85°	96.5	87.4	76.5	71.0	63.8	56.5	49.2	41.9	34.6	27.3	20.0
82.5°	165.8	154.8	143.9	131.1	114.8	94.7	74.7	61.9	51.0	40.1	31.0
80°	249.5	229.5	211.3	194.9	176.7	151.2	123.9	98.4	69.2	52.8	40.1
77.5°	346.1	322.4	296.9	269.6	240.4	205.8	174.9	142.1	107.5	72.9	51.0
75°	455.4	424.4	389.8	351.5	313.3	267.8	224.0	185.8	145.7	102.0	61.9
72.5°	577.4	539.2	497.3	446.3	386.2	333.3	280.5	229.5	182.1	129.3	83.8
70°	734.0	673.9	612.0	557.4	480.9	397.1	335.1	276.9	216.8	158.5	105.6
67.5°	901.6	828.8	754.1	673.9	577.4	479.0	389.8	324.2	253.2	185.8	125.7
65°	1083.8	992.7	898.0	808.7	675.8	559.2	459.0	369.8	287.8	211.3	145.7
62.5°	1271.4	1163.9	1054.6	938.1	785.1	641.2	524.6	420.8	320.6	235.0	163.9
60°	1471.7	1346.1	1213.1	1067.4	888.9	730.4	586.5	473.6	355.2	258.6	184.0
57.5°	1683.0	1546.4	1389.8	1193.1	996.3	816.0	657.5	520.9	386.2	280.5	198.5
55°	1912.5	1755.9	1584.7	1324.2	1102.0	901.6	728.6	568.3	418.9	298.7	213.1
52.5°	2160.3	1978.1	1761.4	1462.6	1213.1	989.1	794.2	610.2	449.9	318.8	225.9
50°	2437.1	2207.6	1916.2	1590.1	1309.6	1071.0	859.7	655.7	475.4	340.6	236.8
47.5°	2724.9	2477.2	2054.6	1708.5	1408.0	1151.2	927.1	695.8	500.9	358.8	247.7
45°	3025.5	2664.8	2198.5	1814.2	1493.6	1224.0	978.1	732.2	531.9	375.2	256.8
42.5°	3322.3	2806.9	2324.2	1919.8	1573.7	1289.6	1020.0	766.8	557.4	391.6	265.9
40°	3462.6	2914.3	2424.4	1992.7	1641.1	1347.9	1056.4	797.8	579.2	402.5	275.0
37.5°	3520.9	2979.9	2489.9	2061.9	1694.0	1378.8	1087.4	825.1	597.4	413.5	282.3
35°	3533.6	3003.6	2522.7	2109.3	1737.7	1408.0	1111.1	845.2	612.0	424.4	289.6
32.5°	3510.0	2996.3	2531.8	2125.6	1765.0	1429.8	1127.5	859.7	622.9	435.3	296.9
30°	3457.1	2958.1	2499.0	2123.8	1785.0	1442.6	1138.4	870.7	633.9	442.6	300.5
27.5°	3371.5	2890.7	2457.2	2125.6	1796.0	1448.1	1143.9	876.1	641.2	448.1	307.8
25°	3265.9	2799.6	2459.0	2122.0	1797.8	1449.9	1143.9	876.1	643.0	449.9	313.3
22.5°	3143.8	2799.6	2459.0	2116.5	1786.9	1446.2	1138.4	872.5	643.0	453.5	318.8
20°	3151.1	2801.4	2453.5	2105.6	1770.5	1435.3	1125.7	863.4	637.5	459.0	322.4
17.5°	3156.6	2797.8	2442.6	2091.0	1748.6	1417.1	1109.3	850.6	637.5	464.5	324.2
15°	3156.6	2786.8	2426.2	2069.2	1721.3	1391.6	1085.6	839.7	639.3	466.3	327.9
12.5°	3151.1	2766.8	2400.7	2040.0	1688.5	1360.6	1071.0	836.1	639.3	468.1	327.9
10°	3140.2	2739.5	2367.9	2003.6	1657.5	1349.7	1063.7	828.8	635.7	468.1	327.9
7.5°	3120.2	2706.7	2340.6	1981.8	1639.3	1337.0	1052.8	817.8	630.2	464.5	331.5
5°	3089.2	2688.5	2318.7	1956.3	1613.8	1327.8	1045.5	808.7	626.6	464.5	327.9
2.5°	3049.1	2666.6	2293.2	1923.5	1584.7	1296.9	1021.8	788.7	613.8	457.2	324.2
0°	2983.6	2622.9	2249.5	1877.9	1544.6	1265.9	998.2	768.7	601.1	449.9	320.6
-2.5°	2923.4	2564.6	2193.0	1830.6	1506.4	1238.6	979.9	757.7	595.6	448.1	318.8
-5°	2839.7	2484.5	2118.4	1768.6	1455.3	1211.3	961.7	745.0	590.2	444.4	318.8
-7.5°	2746.8	2400.7	2040.0	1704.9	1404.3	1163.9	927.1	724.9	577.4	437.2	316.9
-10°	2602.9	2275.0	1941.7	1632.0	1349.7	1122.0	898.0	706.7	566.5	429.9	309.6
-12.5°	2449.9	2136.6	1828.7	1542.8	1287.8	1078.3	865.2	686.7	553.7	422.6	306.0
-15°	2287.8	1994.5	1710.4	1449.9	1220.4	1025.5	830.6	664.8	541.0	413.5	300.5
-17.5°	2118.4	1845.1	1588.3	1355.2	1153.0	970.8	794.2	644.8	526.4	404.4	295.1
-20°	1939.9	1692.1	1464.5	1258.6	1081.9	916.2	755.9	621.1	510.0	393.4	287.8



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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°	1763.2	1541.0	1337.0	1163.9	1009.1	859.7	717.7	597.4	491.8	380.7	282.3
-25°	1606.5	1398.9	1224.0	1072.8	938.1	805.1	677.6	573.8	471.8	367.9	275.0
-27.5°	1453.5	1276.8	1112.9	987.2	868.8	752.3	639.3	548.3	451.7	353.4	267.8
-30°	1311.5	1160.3	1025.5	903.4	803.3	704.9	606.5	522.8	429.9	338.8	258.6
-32.5°	1182.1	1060.1	947.2	830.6	741.3	657.5	575.6	497.3	408.0	324.2	249.5
-35°	1061.9	967.2	868.8	770.5	679.4	613.8	542.8	469.9	388.0	307.8	240.4
-37.5°	954.4	877.9	799.6	715.8	637.5	571.9	511.8	442.6	367.9	293.3	231.3
-40°	861.6	799.6	730.4	663.0	597.4	535.5	480.9	415.3	347.9	282.3	222.2
-42.5°	775.9	728.6	672.1	615.7	557.4	502.7	449.9	386.2	327.9	269.6	213.1
-45°	710.4	663.0	617.5	566.5	517.3	469.9	417.1	360.6	309.6	255.0	204.0
-47.5°	648.4	606.5	564.7	522.8	482.7	439.0	386.2	338.8	289.6	242.3	196.7
-50°	593.8	553.7	517.3	480.9	446.3	404.4	355.2	316.9	273.2	229.5	187.6
-52.5°	542.8	508.2	471.8	442.6	413.5	371.6	331.5	295.1	256.8	214.9	178.5
-55°	497.3	464.5	431.7	404.4	377.0	340.6	307.8	276.9	240.4	204.0	169.4
-57.5°	453.5	426.2	395.3	369.8	342.4	313.3	286.0	256.8	224.0	193.1	160.3
-60°	413.5	388.0	360.6	335.1	311.5	287.8	262.3	238.6	209.5	180.3	151.2
-62.5°	373.4	351.5	327.9	302.4	284.1	262.3	242.3	218.6	194.9	169.4	134.8
-65°	337.0	316.9	295.1	273.2	256.8	240.4	222.2	200.4	180.3	156.6	120.2
-67.5°	300.5	282.3	264.1	245.9	231.3	218.6	200.4	184.0	167.6	142.1	105.6
-70°	265.9	251.4	235.0	220.4	209.5	194.9	182.1	167.6	153.0	123.9	89.3
-72.5°	233.1	218.6	205.8	194.9	185.8	173.0	162.1	151.2	131.1	103.8	74.7
-75°	194.9	185.8	178.5	169.4	160.3	151.2	142.1	129.3	109.3	83.8	58.3
-77.5°	160.3	154.8	149.4	142.1	134.8	127.5	116.6	103.8	87.4	65.6	47.4
-80°	131.1	125.7	122.0	114.8	109.3	102.0	91.1	80.1	63.8	51.0	38.3
-82.5°	100.2	96.5	92.9	89.3	83.8	76.5	65.6	56.5	47.4	38.3	29.1
-85°	71.0	69.2	65.6	61.9	56.5	51.0	43.7	38.3	32.8	25.5	20.0
-87.5°	36.4	34.6	32.8	31.0	29.1	25.5	21.9	18.2	16.4	12.8	9.1
-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°	7.3	5.5	1.8	0.0
85°	14.6	9.1	3.6	0.0
82.5°	21.9	14.6	5.5	0.0
80°	29.1	18.2	9.1	0.0
77.5°	36.4	21.9	10.9	0.0
75°	43.7	27.3	12.8	0.0
72.5°	49.2	31.0	14.6	0.0
70°	58.3	36.4	16.4	0.0
67.5°	72.9	40.1	18.2	0.0
65°	85.6	43.7	20.0	0.0
62.5°	100.2	47.4	21.9	0.0
60°	112.9	51.0	23.7	0.0
57.5°	125.7	60.1	25.5	0.0
55°	136.6	67.4	27.3	0.0
52.5°	149.4	74.7	29.1	0.0
50°	160.3	82.0	31.0	0.0
47.5°	169.4	89.3	31.0	0.0
45°	176.7	94.7	32.8	0.0
42.5°	182.1	100.2	34.6	0.0
40°	187.6	105.6	36.4	0.0
37.5°	193.1	111.1	36.4	0.0
35°	198.5	116.6	38.3	0.0
32.5°	204.0	122.0	38.3	0.0
30°	207.6	125.7	40.1	0.0
27.5°	213.1	129.3	40.1	0.0
25°	214.9	133.0	41.9	0.0
22.5°	218.6	134.8	41.9	0.0
20°	222.2	138.4	41.9	0.0
17.5°	224.0	140.3	43.7	0.0
15°	224.0	142.1	45.5	0.0
12.5°	225.9	143.9	45.5	0.0
10°	225.9	147.5	43.7	0.0
7.5°	229.5	145.7	43.7	0.0
5°	227.7	145.7	43.7	0.0
2.5°	225.9	143.9	43.7	0.0
0°	224.0	143.9	43.7	0.0
-2.5°	224.0	143.9	43.7	0.0
-5°	224.0	143.9	43.7	0.0
-7.5°	222.2	145.7	43.7	0.0
-10°	218.6	145.7	43.7	0.0
-12.5°	216.8	140.3	43.7	0.0
-15°	214.9	138.4	43.7	0.0
-17.5°	211.3	136.6	41.9	0.0
-20°	207.6	134.8	41.9	0.0



REPORT NUMBER: P722032
 CATALOG NUMBER: IFLD-M-SA4A-730-U-76

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	204.0	131.1	41.9	0.0
-25°	200.4	127.5	40.1	0.0
-27.5°	196.7	123.9	40.1	0.0
-30°	191.3	120.2	38.3	0.0
-32.5°	185.8	116.6	38.3	0.0
-35°	182.1	111.1	36.4	0.0
-37.5°	176.7	105.6	36.4	0.0
-40°	171.2	100.2	34.6	0.0
-42.5°	165.8	94.7	32.8	0.0
-45°	158.5	89.3	32.8	0.0
-47.5°	153.0	83.8	31.0	0.0
-50°	143.9	76.5	29.1	0.0
-52.5°	133.0	69.2	27.3	0.0
-55°	122.0	63.8	25.5	0.0
-57.5°	111.1	56.5	25.5	0.0
-60°	100.2	49.2	23.7	0.0
-62.5°	89.3	45.5	21.9	0.0
-65°	78.3	41.9	20.0	0.0
-67.5°	65.6	36.4	18.2	0.0
-70°	54.6	32.8	16.4	0.0
-72.5°	47.4	29.1	14.6	0.0
-75°	40.1	25.5	12.8	0.0
-77.5°	34.6	21.9	10.9	0.0
-80°	27.3	16.4	7.3	0.0
-82.5°	20.0	12.8	5.5	0.0
-85°	12.8	9.1	3.6	0.0
-87.5°	7.3	3.6	1.8	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)