

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: P722005

Luminaire Tested: **IFLD-M-SA4C-727-U-76**

Issue Date: 10/26/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P722005  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 10/26/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4C-727-U-76  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7x6 Flood distribution lens  
Light Source: (64) 2700K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

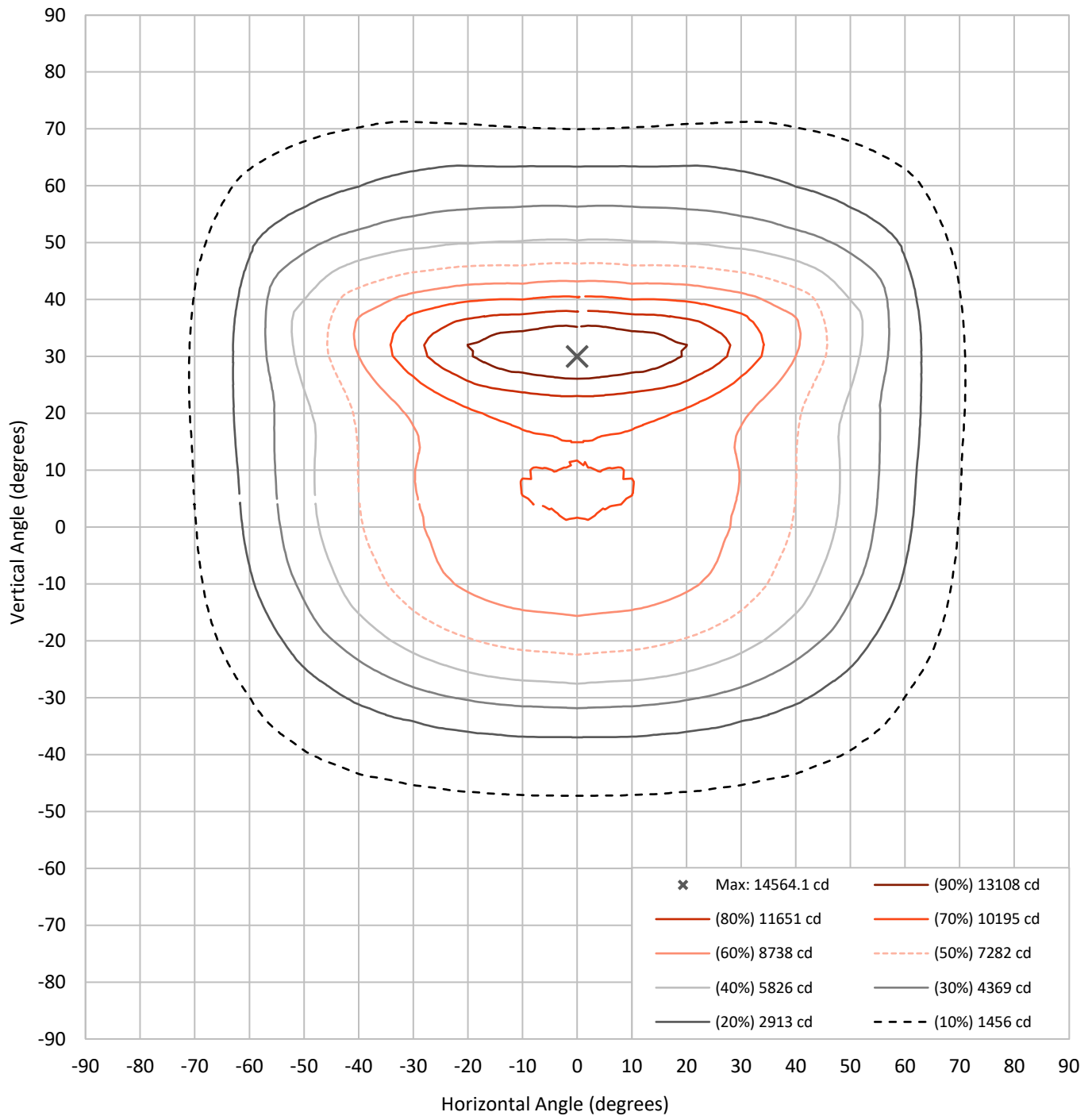
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	24311.2 lumens	Max Intensity:	14564.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	111.5 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 0.5' x H: 0')		
Beam Angle (50%):	90.8°H x 68.8°V	Field Angle (10%):	142°H x 117.1°V
Beam Lumens:	14137.3 lumens	Field Lumens:	22782.8 lumens
Beam Efficiency:	58.2%	Field Efficiency:	93.7%

Input Watts (W): 218.1  
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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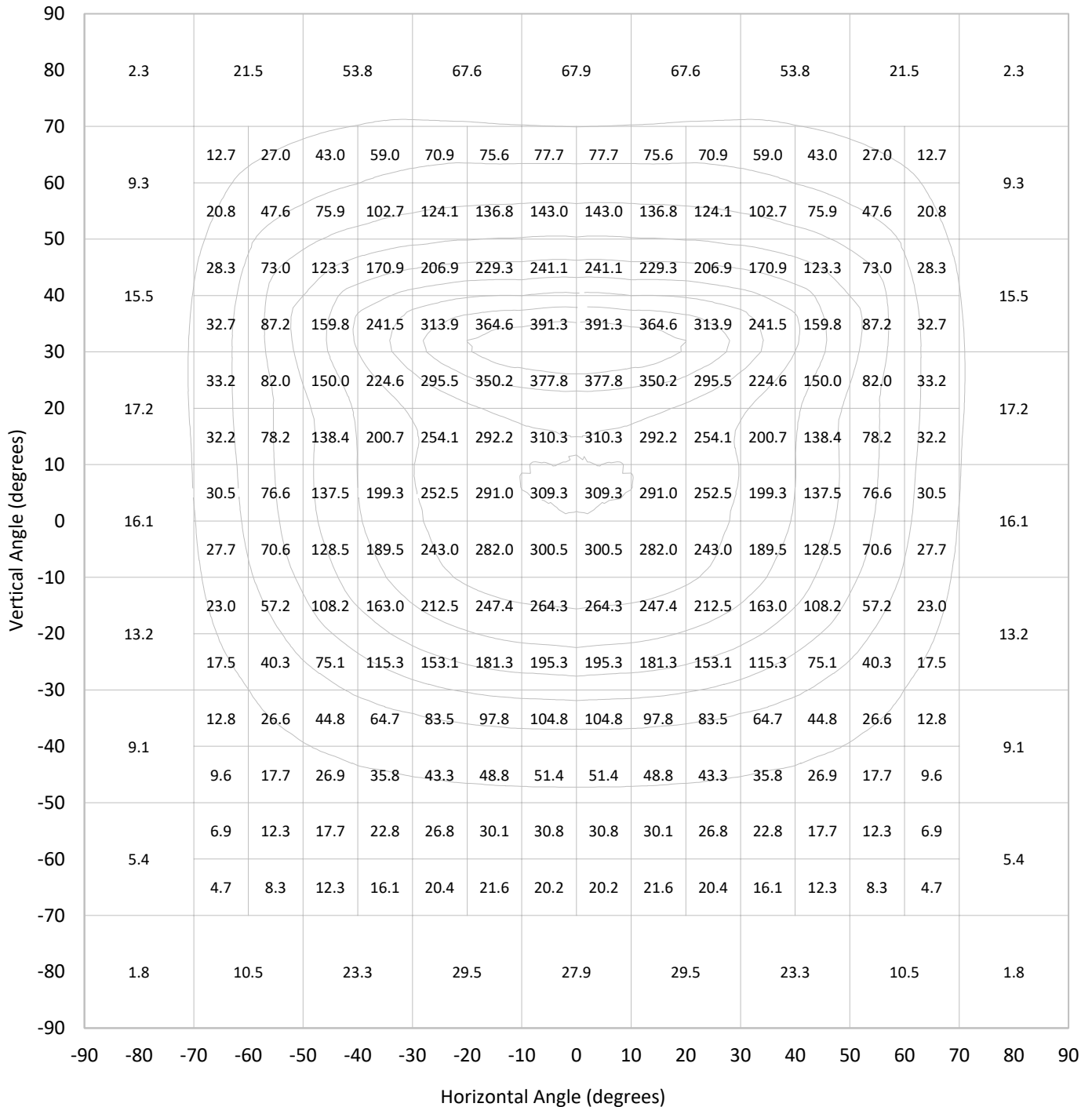
### Iso-Candela Plot





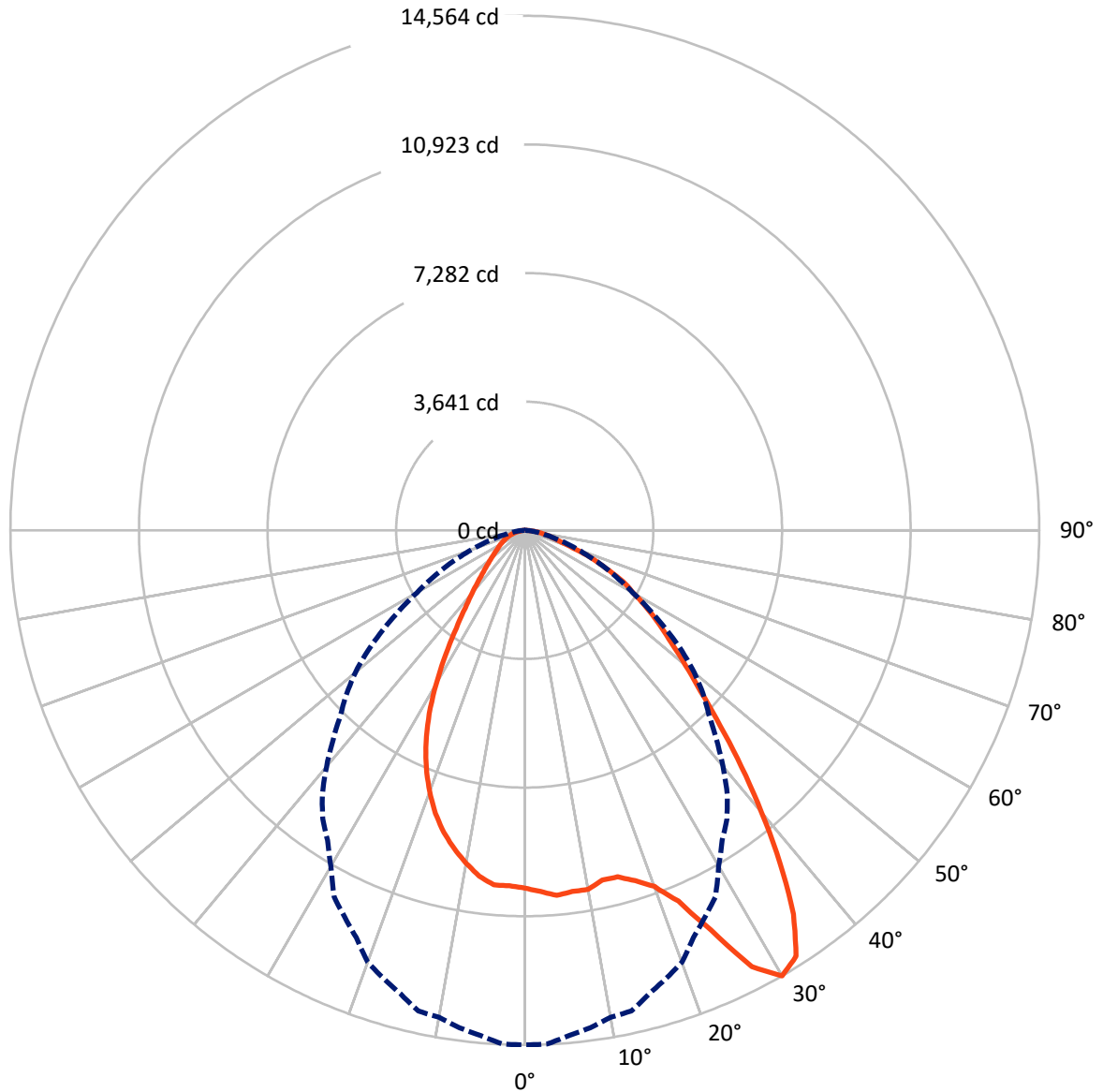
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### Lumen Table



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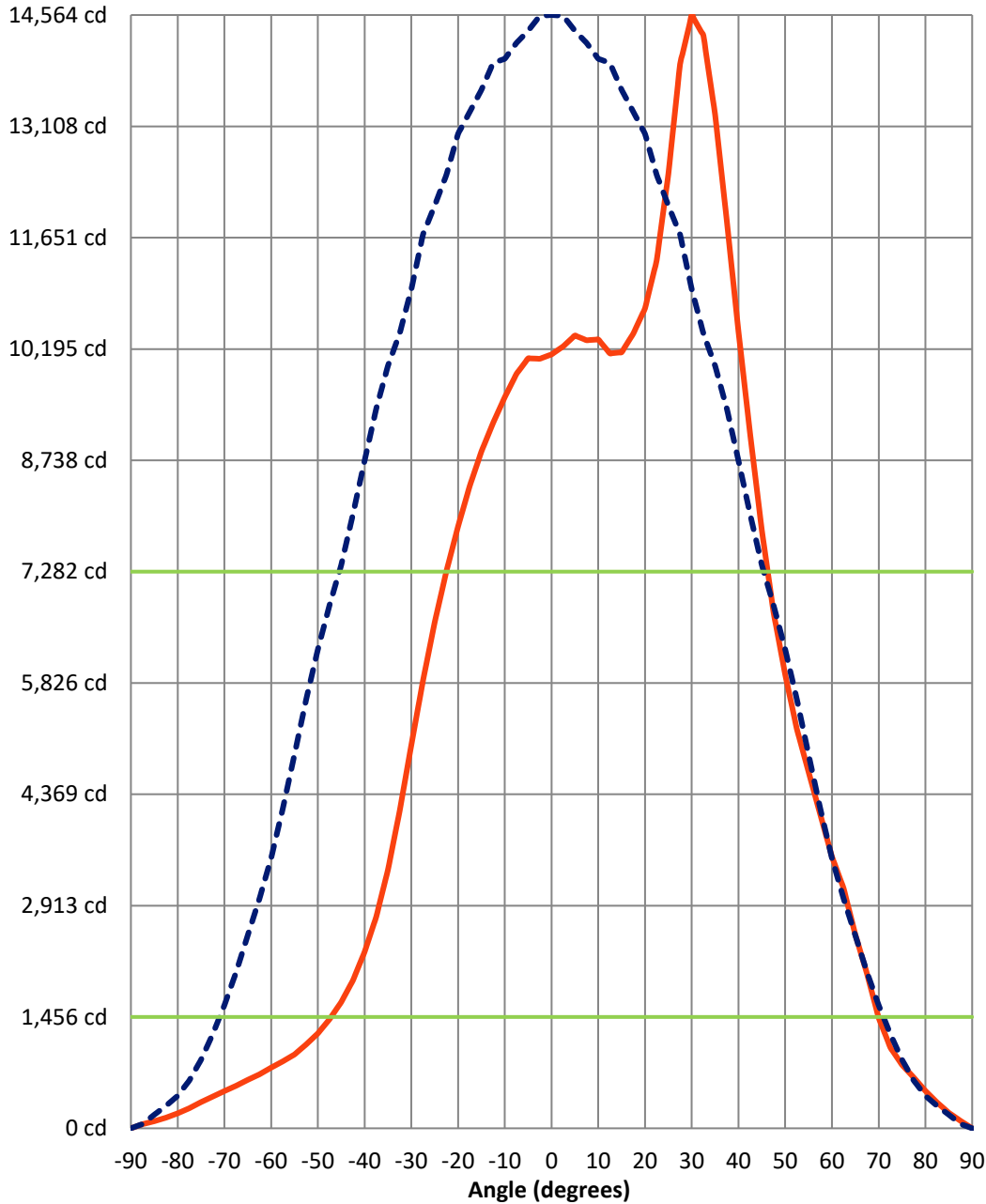
### Luminous Intensity Polar Plot



— 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: 14137.3  
 Efficiency: 58.2%

**Field:**  
 H Angle: 142°  
 V Angle: 117.1°  
 Lumens: 22782.8  
 Efficiency: 93.7%

**Spill:**  
 Lumens: 1528.5  
 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°	97.9	100.4	103.0	103.0	100.4	100.4	100.4	97.9	100.4	100.4	100.4
85°	203.5	208.6	213.8	211.2	208.6	203.5	198.3	200.9	203.5	206.0	206.0
82.5°	337.4	345.1	350.3	347.7	342.5	337.4	332.2	334.8	340.0	342.5	342.5
80°	489.3	491.9	494.5	499.6	491.9	491.9	489.3	499.6	504.8	509.9	515.1
77.5°	664.5	667.0	667.0	669.6	672.2	674.8	674.8	692.8	705.7	713.4	721.1
75°	829.3	837.0	844.7	852.5	862.8	867.9	875.7	901.4	922.0	937.5	952.9
72.5°	1055.9	1066.2	1079.1	1097.1	1115.2	1128.0	1146.1	1177.0	1200.2	1215.6	1233.6
70°	1444.8	1455.1	1468.0	1480.9	1498.9	1511.8	1529.8	1568.4	1591.6	1601.9	1612.2
67.5°	2021.7	2047.5	2070.7	2044.9	2032.0	2014.0	2019.1	2055.2	2078.4	2093.8	2091.3
65°	2534.2	2552.3	2552.3	2549.7	2539.4	2516.2	2529.1	2572.9	2598.6	2611.5	2572.9
62.5°	3136.9	3136.9	3124.0	3144.6	3147.2	3131.7	3124.0	3126.6	3129.2	3136.9	3072.5
60°	3554.1	3579.9	3587.6	3605.6	3610.8	3610.8	3623.7	3634.0	3634.0	3618.5	3543.8
57.5°	4105.3	4154.2	4164.5	4151.6	4125.9	4092.4	4087.2	4071.8	4040.9	4010.0	3973.9
55°	4661.6	4687.3	4684.7	4677.0	4651.3	4612.6	4617.8	4597.2	4548.2	4509.6	4460.7
52.5°	5220.4	5282.2	5292.5	5277.1	5241.0	5199.8	5202.4	5179.2	5130.3	5089.1	5022.1
50°	5933.8	5985.3	5980.2	5954.4	5902.9	5872.0	5874.6	5830.8	5774.1	5761.3	5673.7
47.5°	6750.2	6809.5	6799.2	6763.1	6693.6	6680.7	6693.6	6636.9	6603.4	6575.1	6472.1
45°	7821.6	7891.2	7852.5	7783.0	7672.3	7685.1	7703.2	7692.9	7620.7	7546.1	7414.7
42.5°	9078.4	9122.2	9075.9	9006.3	8867.3	8893.0	8882.7	8820.9	8777.1	8653.5	8486.1
40°	10422.8	10518.1	10446.0	10337.8	10193.6	10232.2	10203.9	10124.1	10021.1	9866.5	9655.3
37.5°	11872.8	11947.5	11865.1	11738.9	11610.1	11597.2	11540.6	11417.0	11270.2	11100.2	10762.8
35°	13261.0	13454.1	13302.2	13101.3	12944.2	12885.0	12830.9	12545.0	12377.6	12102.0	11641.0
32.5°	14293.7	14435.4	14247.4	14038.8	13848.2	13765.8	13575.2	13235.2	13145.1	12565.6	12143.2
30°	14564.1	14553.8	14358.1	14198.4	13992.4	13935.7	13585.5	13297.0	13008.6	12472.9	12071.1
27.5°	13920.3	13855.9	13667.9	13528.8	13325.4	13258.4	12913.3	12758.8	12313.2	11859.9	11520.0
25°	12485.8	12519.2	12377.6	12308.1	12174.1	12029.9	11893.4	11684.8	11406.6	11010.0	10698.4
22.5°	11355.1	11398.9	11339.7	11257.3	11154.3	11074.4	10971.4	10809.1	10541.3	10296.6	10003.0
20°	10726.7	10713.9	10662.3	10600.5	10502.7	10446.0	10332.7	10196.2	9990.2	9779.0	9462.2
17.5°	10397.1	10317.2	10268.3	10245.1	10193.6	10121.5	9987.6	9848.5	9688.8	9449.3	9217.5
15°	10152.4	10165.3	10126.7	10108.6	10067.4	9967.0	9830.5	9717.2	9500.8	9379.8	9168.6
12.5°	10137.0	10124.1	10126.7	10118.9	10067.4	9938.6	9869.1	9724.9	9585.8	9426.1	9184.0
10°	10319.8	10183.3	10193.6	10229.7	10147.3	10044.2	9969.6	9812.4	9681.1	9477.6	9238.1
7.5°	10309.5	10240.0	10260.6	10201.3	10227.1	10100.9	9997.9	9840.8	9676.0	9459.6	9243.3
5°	10371.3	10265.7	10247.7	10252.9	10188.5	10093.2	9954.1	9804.7	9650.2	9408.1	9186.6
2.5°	10229.7	10245.1	10162.7	10131.8	10124.1	9964.4	9835.6	9691.4	9531.7	9318.0	9119.7
0°	10124.1	10152.4	10067.4	10023.6	10021.1	9884.6	9802.1	9637.3	9524.0	9346.3	9106.8
-2.5°	10067.4	10100.9	10111.2	10031.4	9954.1	9848.5	9709.4	9531.7	9346.3	9140.3	8934.2
-5°	10072.6	10005.6	9977.3	10003.0	9936.1	9830.5	9676.0	9518.8	9336.0	9114.5	8857.0
-7.5°	9869.1	9802.1	9797.0	9784.1	9768.7	9668.2	9539.5	9369.5	9184.0	8978.0	8738.5
-10°	9565.2	9516.3	9503.4	9490.5	9449.3	9390.1	9269.0	9114.5	8947.1	8741.1	8486.1
-12.5°	9227.8	9204.6	9155.7	9122.2	9081.0	9011.5	8895.6	8753.9	8586.5	8403.7	8184.8
-15°	8854.4	8810.6	8761.7	8733.3	8674.1	8591.7	8475.8	8344.4	8161.6	7981.3	7775.3
-17.5°	8403.7	8349.6	8295.5	8287.8	8246.6	8120.4	8012.2	7852.5	7692.9	7520.3	7319.4
-20°	7873.1	7798.5	7762.4	7741.8	7685.1	7592.4	7476.5	7329.7	7175.2	7010.4	6778.6



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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°	7285.9	7221.6	7159.7	7121.1	7072.2	7000.1	6889.3	6760.5	6608.6	6423.2	6209.4
-25°	6618.9	6528.8	6490.1	6446.3	6420.6	6353.6	6245.5	6127.0	5969.9	5789.6	5586.1
-27.5°	5856.6	5784.5	5763.8	5702.0	5671.1	5601.6	5511.5	5400.7	5256.5	5086.5	4919.1
-30°	5014.4	4970.6	4937.1	4875.3	4852.1	4777.5	4718.2	4625.5	4494.2	4373.1	4239.2
-32.5°	4149.0	4105.3	4095.0	4066.6	4051.2	4002.2	3935.3	3868.3	3762.7	3672.6	3564.4
-35°	3381.6	3350.7	3353.2	3350.7	3335.2	3299.1	3216.7	3198.7	3121.4	3039.0	2969.5
-37.5°	2768.6	2771.2	2768.6	2766.0	2745.4	2730.0	2670.7	2647.6	2601.2	2521.4	2480.2
-40°	2307.6	2312.8	2310.2	2305.0	2281.8	2274.1	2235.5	2204.6	2186.6	2129.9	2086.1
-42.5°	1934.2	1941.9	1939.3	1936.7	1921.3	1918.7	1898.1	1862.0	1851.7	1818.3	1771.9
-45°	1650.9	1648.3	1643.1	1648.3	1640.6	1632.8	1620.0	1596.8	1583.9	1568.4	1529.8
-47.5°	1426.8	1429.4	1424.2	1424.2	1413.9	1406.2	1401.0	1385.6	1375.3	1362.4	1339.2
-50°	1241.4	1251.7	1249.1	1246.5	1238.8	1233.6	1233.6	1218.2	1202.7	1197.6	1182.1
-52.5°	1097.1	1104.9	1107.4	1112.6	1115.2	1117.7	1110.0	1094.6	1068.8	1066.2	1058.5
-55°	965.8	989.0	1004.4	1014.7	1025.0	1032.8	1017.3	996.7	970.9	960.6	958.1
-57.5°	875.7	898.8	916.9	932.3	945.2	958.1	942.6	922.0	898.8	886.0	883.4
-60°	793.2	813.8	831.9	852.5	870.5	891.1	883.4	867.9	855.0	844.7	834.4
-62.5°	705.7	726.3	746.9	772.6	795.8	816.4	819.0	816.4	813.8	816.4	798.4
-65°	633.6	643.9	656.7	685.1	710.8	734.0	746.9	754.6	767.5	780.4	762.3
-67.5°	556.3	569.2	584.6	605.2	625.8	641.3	659.3	679.9	700.5	721.1	708.2
-70°	486.8	497.1	509.9	520.2	533.1	543.4	558.9	582.1	605.2	625.8	620.7
-72.5°	414.6	424.9	432.7	437.8	445.6	450.7	458.4	479.0	494.5	504.8	504.8
-75°	342.5	352.8	360.6	363.1	368.3	370.9	376.0	383.7	391.5	394.0	396.6
-77.5°	262.7	273.0	280.7	285.9	291.0	296.2	298.8	303.9	306.5	306.5	309.1
-80°	195.7	203.5	208.6	216.3	218.9	224.1	229.2	231.8	234.4	234.4	236.9
-82.5°	139.1	144.2	149.4	154.5	159.7	162.3	167.4	170.0	172.6	175.1	177.7
-85°	92.7	97.9	103.0	108.2	110.7	113.3	115.9	118.5	121.0	123.6	126.2
-87.5°	54.1	56.7	59.2	64.4	67.0	72.1	74.7	72.1	74.7	74.7	74.7
-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°	100.4	100.4	100.4	100.4	97.9	92.7	90.1	85.0	79.8	74.7	69.5
85°	208.6	211.2	211.2	211.2	206.0	203.5	195.7	188.0	177.7	162.3	149.4
82.5°	347.7	350.3	350.3	347.7	342.5	334.8	324.5	311.6	291.0	270.4	252.4
80°	522.8	525.4	525.4	522.8	509.9	497.1	484.2	468.7	443.0	414.6	383.7
77.5°	731.4	736.6	736.6	728.9	710.8	695.4	674.8	649.0	610.4	569.2	528.0
75°	973.5	986.4	989.0	981.2	958.1	929.7	896.3	852.5	793.2	741.7	692.8
72.5°	1254.2	1267.1	1277.4	1267.1	1233.6	1195.0	1146.1	1094.6	1035.3	965.8	883.4
70°	1622.5	1635.4	1643.1	1609.7	1550.4	1486.0	1426.8	1367.6	1298.0	1213.0	1122.9
67.5°	2086.1	2073.2	2057.8	1990.8	1916.1	1838.9	1756.5	1668.9	1578.7	1488.6	1383.0
65°	2531.7	2495.6	2462.1	2382.3	2287.0	2186.6	2091.3	1993.4	1885.2	1771.9	1671.5
62.5°	3000.4	2923.1	2840.7	2742.8	2645.0	2534.2	2438.9	2323.1	2202.0	2062.9	1934.2
60°	3461.4	3368.7	3286.3	3165.2	3036.5	2887.1	2784.1	2670.7	2529.1	2379.7	2227.8
57.5°	3907.0	3806.5	3716.4	3610.8	3471.7	3309.4	3196.1	3049.3	2900.0	2711.9	2557.4
55°	4380.8	4280.4	4208.3	4089.8	3937.9	3788.5	3664.9	3510.3	3301.7	3100.8	2910.3
52.5°	4924.3	4844.4	4767.2	4646.1	4463.2	4311.3	4174.8	4002.2	3783.3	3536.1	3306.9
50°	5532.1	5490.9	5408.4	5266.8	5058.2	4924.3	4744.0	4514.8	4280.4	4020.3	3734.4
47.5°	6338.2	6271.2	6155.3	6000.8	5825.7	5624.8	5382.7	5114.8	4782.6	4494.2	4190.3
45°	7301.4	7177.8	7028.4	6819.8	6603.4	6376.8	6111.5	5771.6	5326.0	4950.0	4630.7
42.5°	8344.4	8177.0	7973.6	7700.6	7419.9	7141.7	6855.8	6392.3	5836.0	5403.3	5042.7
40°	9433.9	9220.1	8965.1	8568.5	8256.9	7898.9	7571.8	6879.0	6286.7	5817.9	5434.2
37.5°	10500.1	10229.7	9802.1	9320.5	8957.4	8663.8	7945.3	7203.5	6673.0	6157.9	5769.0
35°	11316.5	11087.3	10332.7	9833.1	9521.4	9057.8	8159.0	7399.3	6837.8	6410.3	5805.1
32.5°	11800.7	11208.3	10546.5	10041.7	9784.1	9024.4	8174.5	7455.9	6915.1	6436.0	5712.3
30°	11692.5	10976.6	10397.1	9974.7	9415.8	8733.3	8030.2	7368.4	6843.0	6263.5	5609.3
27.5°	11040.9	10487.2	9969.6	9529.1	8980.6	8367.6	7718.6	7136.6	6647.2	6085.8	5467.7
25°	10304.4	9802.1	9418.4	9034.7	8514.4	7929.8	7358.0	6938.3	6446.3	5892.6	5282.2
22.5°	9627.0	9266.5	8965.1	8563.4	8056.0	7546.1	7190.6	6755.4	6250.6	5689.2	5091.7
20°	9194.3	8949.7	8604.6	8161.6	7762.4	7443.0	7049.0	6588.0	6067.8	5480.5	4929.4
17.5°	8985.7	8702.4	8318.7	8030.2	7723.8	7373.5	6933.1	6443.8	5890.0	5385.3	4947.4
15°	8877.6	8578.8	8326.4	8043.1	7698.0	7329.7	6840.4	6333.0	5890.0	5423.9	4960.3
12.5°	8900.7	8643.2	8367.6	8058.6	7687.7	7293.7	6850.7	6379.4	5921.0	5452.2	4962.9
10°	8972.9	8702.4	8408.8	8066.3	7692.9	7304.0	6879.0	6407.7	5936.4	5465.1	4957.7
7.5°	8998.6	8705.0	8390.8	8045.7	7680.0	7298.8	6884.2	6415.4	5939.0	5462.5	4942.3
5°	8918.8	8653.5	8349.6	8001.9	7643.9	7273.1	6863.6	6405.1	5918.4	5436.8	4903.6
2.5°	8810.6	8596.8	8305.8	7971.0	7607.9	7237.0	6830.1	6358.8	5872.0	5390.4	4854.7
0°	8792.6	8527.3	8233.7	7934.9	7548.6	7157.2	6752.8	6271.2	5787.0	5302.8	4769.7
-2.5°	8674.1	8393.4	8099.8	7775.3	7435.3	7041.3	6616.3	6145.0	5666.0	5189.5	4677.0
-5°	8584.0	8272.3	7960.7	7610.4	7267.9	6873.9	6433.5	5975.0	5506.3	5042.7	4548.2
-7.5°	8462.9	8143.6	7816.5	7450.8	7079.9	6678.1	6242.9	5784.5	5323.4	4862.4	4388.6
-10°	8218.2	7937.5	7631.0	7252.5	6861.0	6459.2	6026.5	5575.8	5114.8	4648.7	4172.2
-12.5°	7922.1	7625.9	7291.1	6943.4	6593.1	6219.7	5787.0	5344.1	4880.5	4411.7	3937.9
-15°	7538.3	7247.3	6904.8	6564.8	6227.4	5869.4	5488.3	5089.1	4617.8	4156.8	3682.9
-17.5°	7059.3	6786.3	6479.8	6155.3	5820.5	5459.9	5089.1	4751.7	4311.3	3878.6	3409.9
-20°	6544.2	6289.2	6013.7	5707.2	5372.4	5019.5	4669.3	4316.4	3935.3	3554.1	3118.9



REPORT NUMBER: P722005  
 CATALOG NUMBER: IFLD-M-SA4C-727-U-76

**CANDELA DISTRIBUTION (continued):**

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
-22.5°	6008.5	5751.0	5472.8	5186.9	4877.9	4550.8	4226.3	3888.9	3554.1	3209.0	2840.7
-25°	5390.4	5163.8	4908.8	4630.7	4355.1	4069.2	3760.2	3453.7	3167.8	2869.0	2567.7
-27.5°	4744.0	4535.4	4303.6	4061.5	3824.5	3585.0	3317.2	3033.9	2796.9	2549.7	2299.9
-30°	4064.1	3896.6	3708.6	3497.5	3314.6	3121.4	2897.4	2663.0	2446.7	2258.7	2057.8
-32.5°	3420.2	3278.5	3144.6	3005.5	2825.3	2675.9	2521.4	2348.8	2158.2	1980.5	1836.3
-35°	2866.5	2714.5	2657.9	2554.8	2426.1	2294.7	2181.4	2057.8	1913.6	1756.5	1638.0
-37.5°	2400.3	2310.2	2230.3	2173.7	2088.7	1983.1	1893.0	1802.8	1692.1	1573.6	1455.1
-40°	2037.2	1975.4	1887.8	1859.5	1805.4	1733.3	1640.6	1571.0	1496.3	1406.2	1305.8
-42.5°	1746.2	1699.8	1643.1	1594.2	1571.0	1519.5	1447.4	1380.4	1321.2	1259.4	1182.1
-45°	1506.6	1475.7	1439.7	1395.9	1377.9	1336.7	1285.1	1210.5	1177.0	1125.5	1068.8
-47.5°	1313.5	1298.0	1272.3	1243.9	1218.2	1187.3	1140.9	1094.6	1048.2	1014.7	970.9
-50°	1161.5	1151.2	1135.8	1112.6	1079.1	1058.5	1027.6	986.4	942.6	914.3	883.4
-52.5°	1040.5	1030.2	1019.9	1001.8	976.1	955.5	929.7	896.3	860.2	831.9	806.1
-55°	947.8	932.3	924.6	909.1	888.5	865.3	842.2	819.0	788.1	762.3	736.6
-57.5°	875.7	855.0	844.7	831.9	811.3	788.1	770.1	746.9	726.3	697.9	674.8
-60°	819.0	795.8	775.2	762.3	744.3	721.1	703.1	685.1	664.5	641.3	613.0
-62.5°	772.6	744.3	716.0	700.5	682.5	661.9	643.9	625.8	605.2	582.1	556.3
-65°	728.9	695.4	659.3	643.9	625.8	605.2	582.1	569.2	551.1	530.5	504.8
-67.5°	674.8	638.7	607.8	589.8	571.7	553.7	533.1	520.2	502.2	476.5	450.7
-70°	594.9	571.7	551.1	535.7	520.2	504.8	484.2	463.6	443.0	419.8	396.6
-72.5°	494.5	486.8	484.2	476.5	458.4	440.4	419.8	399.2	381.2	363.1	345.1
-75°	399.2	404.3	409.5	406.9	388.9	370.9	352.8	334.8	321.9	306.5	291.0
-77.5°	316.8	321.9	327.1	327.1	314.2	303.9	291.0	278.1	267.8	255.0	239.5
-80°	244.7	252.4	260.1	265.3	255.0	247.2	236.9	226.6	216.3	206.0	195.7
-82.5°	185.4	193.2	200.9	206.0	198.3	193.2	185.4	177.7	170.0	159.7	152.0
-85°	133.9	139.1	144.2	146.8	141.6	136.5	131.3	126.2	121.0	113.3	108.2
-87.5°	77.3	79.8	82.4	85.0	79.8	74.7	72.1	67.0	64.4	59.2	56.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P722005  
 CATALOG NUMBER: IFLD-M-SA4C-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°	64.4	59.2	54.1	51.5	46.4	38.6	33.5	28.3	23.2	18.0	15.5
85°	136.5	123.6	108.2	100.4	90.1	79.8	69.5	59.2	48.9	38.6	28.3
82.5°	234.4	218.9	203.5	185.4	162.3	133.9	105.6	87.6	72.1	56.7	43.8
80°	352.8	324.5	298.8	275.6	249.8	213.8	175.1	139.1	97.9	74.7	56.7
77.5°	489.3	455.9	419.8	381.2	340.0	291.0	247.2	200.9	152.0	103.0	72.1
75°	643.9	600.1	551.1	497.1	443.0	378.6	316.8	262.7	206.0	144.2	87.6
72.5°	816.4	762.3	703.1	631.0	546.0	471.3	396.6	324.5	257.5	182.9	118.5
70°	1037.9	952.9	865.3	788.1	679.9	561.4	473.9	391.5	306.5	224.1	149.4
67.5°	1274.8	1171.8	1066.2	952.9	816.4	677.3	551.1	458.4	358.0	262.7	177.7
65°	1532.4	1403.6	1269.7	1143.5	955.5	790.7	649.0	522.8	406.9	298.8	206.0
62.5°	1797.7	1645.7	1491.2	1326.4	1110.0	906.6	741.7	594.9	453.3	332.2	231.8
60°	2081.0	1903.3	1715.2	1509.2	1256.8	1032.8	829.3	669.6	502.2	365.7	260.1
57.5°	2379.7	2186.6	1965.1	1686.9	1408.8	1153.8	929.7	736.6	546.0	396.6	280.7
55°	2704.2	2482.7	2240.6	1872.3	1558.1	1274.8	1030.2	803.5	592.4	422.4	301.3
52.5°	3054.5	2796.9	2490.5	2068.1	1715.2	1398.5	1122.9	862.8	636.1	450.7	319.4
50°	3445.9	3121.4	2709.4	2248.4	1851.7	1514.4	1215.6	927.2	672.2	481.6	334.8
47.5°	3852.9	3502.6	2905.1	2415.8	1990.8	1627.7	1310.9	983.8	708.2	507.4	350.3
45°	4277.8	3767.9	3108.6	2565.1	2111.9	1730.7	1383.0	1035.3	752.0	530.5	363.1
42.5°	4697.6	3968.8	3286.3	2714.5	2225.2	1823.4	1442.2	1084.3	788.1	553.7	376.0
40°	4895.9	4120.7	3427.9	2817.5	2320.5	1905.8	1493.8	1128.0	819.0	569.2	388.9
37.5°	4978.3	4213.4	3520.6	2915.4	2395.2	1949.6	1537.5	1166.7	844.7	584.6	399.2
35°	4996.4	4246.9	3567.0	2982.4	2457.0	1990.8	1571.0	1195.0	865.3	600.1	409.5
32.5°	4962.9	4236.6	3579.9	3005.5	2495.6	2021.7	1594.2	1215.6	880.8	615.5	419.8
30°	4888.2	4182.5	3533.5	3003.0	2523.9	2039.8	1609.7	1231.1	896.3	625.8	424.9
27.5°	4767.2	4087.2	3474.3	3005.5	2539.4	2047.5	1617.4	1238.8	906.6	633.6	435.3
25°	4617.8	3958.5	3476.9	3000.4	2542.0	2050.1	1617.4	1238.8	909.1	636.1	443.0
22.5°	4445.2	3958.5	3476.9	2992.7	2526.5	2044.9	1609.7	1233.6	909.1	641.3	450.7
20°	4455.5	3961.0	3469.1	2977.2	2503.3	2029.5	1591.6	1220.8	901.4	649.0	455.9
17.5°	4463.2	3955.9	3453.7	2956.6	2472.4	2003.7	1568.4	1202.7	901.4	656.7	458.4
15°	4463.2	3940.4	3430.5	2925.7	2433.8	1967.6	1535.0	1187.3	904.0	659.3	463.6
12.5°	4455.5	3912.1	3394.4	2884.5	2387.4	1923.9	1514.4	1182.1	904.0	661.9	463.6
10°	4440.1	3873.5	3348.1	2833.0	2343.7	1908.4	1504.1	1171.8	898.8	661.9	463.6
7.5°	4411.7	3827.1	3309.4	2802.1	2317.9	1890.4	1488.6	1156.4	891.1	656.7	468.7
5°	4368.0	3801.4	3278.5	2766.0	2281.8	1877.5	1478.3	1143.5	886.0	656.7	463.6
2.5°	4311.3	3770.5	3242.5	2719.7	2240.6	1833.7	1444.8	1115.2	867.9	646.4	458.4
0°	4218.6	3708.6	3180.7	2655.3	2184.0	1789.9	1411.3	1086.8	849.9	636.1	453.3
-2.5°	4133.6	3626.2	3100.8	2588.3	2129.9	1751.3	1385.6	1071.4	842.2	633.6	450.7
-5°	4015.1	3512.9	2995.2	2500.8	2057.8	1712.7	1359.8	1053.4	834.4	628.4	450.7
-7.5°	3883.8	3394.4	2884.5	2410.6	1985.7	1645.7	1310.9	1025.0	816.4	618.1	448.1
-10°	3680.3	3216.7	2745.4	2307.6	1908.4	1586.5	1269.7	999.3	801.0	607.8	437.8
-12.5°	3464.0	3021.0	2585.7	2181.4	1820.8	1524.7	1223.3	970.9	782.9	597.5	432.7
-15°	3234.8	2820.1	2418.3	2050.1	1725.5	1450.0	1174.4	940.0	764.9	584.6	424.9
-17.5°	2995.2	2608.9	2245.8	1916.1	1630.3	1372.7	1122.9	911.7	744.3	571.7	417.2
-20°	2742.8	2392.6	2070.7	1779.6	1529.8	1295.4	1068.8	878.2	721.1	556.3	406.9



REPORT NUMBER: P722005  
 CATALOG NUMBER: IFLD-M-SA4C-727-U-76

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
-22.5°	2493.0	2178.8	1890.4	1645.7	1426.8	1215.6	1014.7	844.7	695.4	538.3	399.2
-25°	2271.5	1977.9	1730.7	1516.9	1326.4	1138.3	958.1	811.3	667.0	520.2	388.9
-27.5°	2055.2	1805.4	1573.6	1395.9	1228.5	1063.7	904.0	775.2	638.7	499.6	378.6
-30°	1854.3	1640.6	1450.0	1277.4	1135.8	996.7	857.6	739.2	607.8	479.0	365.7
-32.5°	1671.5	1498.9	1339.2	1174.4	1048.2	929.7	813.8	703.1	576.9	458.4	352.8
-35°	1501.5	1367.6	1228.5	1089.4	960.6	867.9	767.5	664.5	548.6	435.3	340.0
-37.5°	1349.5	1241.4	1130.6	1012.2	901.4	808.7	723.7	625.8	520.2	414.6	327.1
-40°	1218.2	1130.6	1032.8	937.5	844.7	757.2	679.9	587.2	491.9	399.2	314.2
-42.5°	1097.1	1030.2	950.3	870.5	788.1	710.8	636.1	546.0	463.6	381.2	301.3
-45°	1004.4	937.5	873.1	801.0	731.4	664.5	589.8	509.9	437.8	360.6	288.4
-47.5°	916.9	857.6	798.4	739.2	682.5	620.7	546.0	479.0	409.5	342.5	278.1
-50°	839.6	782.9	731.4	679.9	631.0	571.7	502.2	448.1	386.3	324.5	265.3
-52.5°	767.5	718.5	667.0	625.8	584.6	525.4	468.7	417.2	363.1	303.9	252.4
-55°	703.1	656.7	610.4	571.7	533.1	481.6	435.3	391.5	340.0	288.4	239.5
-57.5°	641.3	602.7	558.9	522.8	484.2	443.0	404.3	363.1	316.8	273.0	226.6
-60°	584.6	548.6	509.9	473.9	440.4	406.9	370.9	337.4	296.2	255.0	213.8
-62.5°	528.0	497.1	463.6	427.5	401.8	370.9	342.5	309.1	275.6	239.5	190.6
-65°	476.5	448.1	417.2	386.3	363.1	340.0	314.2	283.3	255.0	221.5	170.0
-67.5°	424.9	399.2	373.4	347.7	327.1	309.1	283.3	260.1	236.9	200.9	149.4
-70°	376.0	355.4	332.2	311.6	296.2	275.6	257.5	236.9	216.3	175.1	126.2
-72.5°	329.7	309.1	291.0	275.6	262.7	244.7	229.2	213.8	185.4	146.8	105.6
-75°	275.6	262.7	252.4	239.5	226.6	213.8	200.9	182.9	154.5	118.5	82.4
-77.5°	226.6	218.9	211.2	200.9	190.6	180.3	164.8	146.8	123.6	92.7	67.0
-80°	185.4	177.7	172.6	162.3	154.5	144.2	128.8	113.3	90.1	72.1	54.1
-82.5°	141.6	136.5	131.3	126.2	118.5	108.2	92.7	79.8	67.0	54.1	41.2
-85°	100.4	97.9	92.7	87.6	79.8	72.1	61.8	54.1	46.4	36.1	28.3
-87.5°	51.5	48.9	46.4	43.8	41.2	36.1	30.9	25.8	23.2	18.0	12.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P722005  
 CATALOG NUMBER: IFLD-M-SA4C-727-U-76

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0
87.5°	10.3	7.7	2.6	0.0
85°	20.6	12.9	5.2	0.0
82.5°	30.9	20.6	7.7	0.0
80°	41.2	25.8	12.9	0.0
77.5°	51.5	30.9	15.5	0.0
75°	61.8	38.6	18.0	0.0
72.5°	69.5	43.8	20.6	0.0
70°	82.4	51.5	23.2	0.0
67.5°	103.0	56.7	25.8	0.0
65°	121.0	61.8	28.3	0.0
62.5°	141.6	67.0	30.9	0.0
60°	159.7	72.1	33.5	0.0
57.5°	177.7	85.0	36.1	0.0
55°	193.2	95.3	38.6	0.0
52.5°	211.2	105.6	41.2	0.0
50°	226.6	115.9	43.8	0.0
47.5°	239.5	126.2	43.8	0.0
45°	249.8	133.9	46.4	0.0
42.5°	257.5	141.6	48.9	0.0
40°	265.3	149.4	51.5	0.0
37.5°	273.0	157.1	51.5	0.0
35°	280.7	164.8	54.1	0.0
32.5°	288.4	172.6	54.1	0.0
30°	293.6	177.7	56.7	0.0
27.5°	301.3	182.9	56.7	0.0
25°	303.9	188.0	59.2	0.0
22.5°	309.1	190.6	59.2	0.0
20°	314.2	195.7	59.2	0.0
17.5°	316.8	198.3	61.8	0.0
15°	316.8	200.9	64.4	0.0
12.5°	319.4	203.5	64.4	0.0
10°	319.4	208.6	61.8	0.0
7.5°	324.5	206.0	61.8	0.0
5°	321.9	206.0	61.8	0.0
2.5°	319.4	203.5	61.8	0.0
0°	316.8	203.5	61.8	0.0
-2.5°	316.8	203.5	61.8	0.0
-5°	316.8	203.5	61.8	0.0
-7.5°	314.2	206.0	61.8	0.0
-10°	309.1	206.0	61.8	0.0
-12.5°	306.5	198.3	61.8	0.0
-15°	303.9	195.7	61.8	0.0
-17.5°	298.8	193.2	59.2	0.0
-20°	293.6	190.6	59.2	0.0



REPORT NUMBER: P722005  
 CATALOG NUMBER: IFLD-M-SA4C-727-U-76

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°
-22.5°	288.4	185.4	59.2	0.0
-25°	283.3	180.3	56.7	0.0
-27.5°	278.1	175.1	56.7	0.0
-30°	270.4	170.0	54.1	0.0
-32.5°	262.7	164.8	54.1	0.0
-35°	257.5	157.1	51.5	0.0
-37.5°	249.8	149.4	51.5	0.0
-40°	242.1	141.6	48.9	0.0
-42.5°	234.4	133.9	46.4	0.0
-45°	224.1	126.2	46.4	0.0
-47.5°	216.3	118.5	43.8	0.0
-50°	203.5	108.2	41.2	0.0
-52.5°	188.0	97.9	38.6	0.0
-55°	172.6	90.1	36.1	0.0
-57.5°	157.1	79.8	36.1	0.0
-60°	141.6	69.5	33.5	0.0
-62.5°	126.2	64.4	30.9	0.0
-65°	110.7	59.2	28.3	0.0
-67.5°	92.7	51.5	25.8	0.0
-70°	77.3	46.4	23.2	0.0
-72.5°	67.0	41.2	20.6	0.0
-75°	56.7	36.1	18.0	0.0
-77.5°	48.9	30.9	15.5	0.0
-80°	38.6	23.2	10.3	0.0
-82.5°	28.3	18.0	7.7	0.0
-85°	18.0	12.9	5.2	0.0
-87.5°	10.3	5.2	2.6	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)