

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: P722325

Luminaire Tested: **IFLD-M-SA4D-940-U-76**

Issue Date: 10/26/2023

Test Information

Test Method: LM-79-2019
Report Number: P722325
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4D-940-U-76
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7x6 Flood distribution lens
Light Source: (64) 4000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

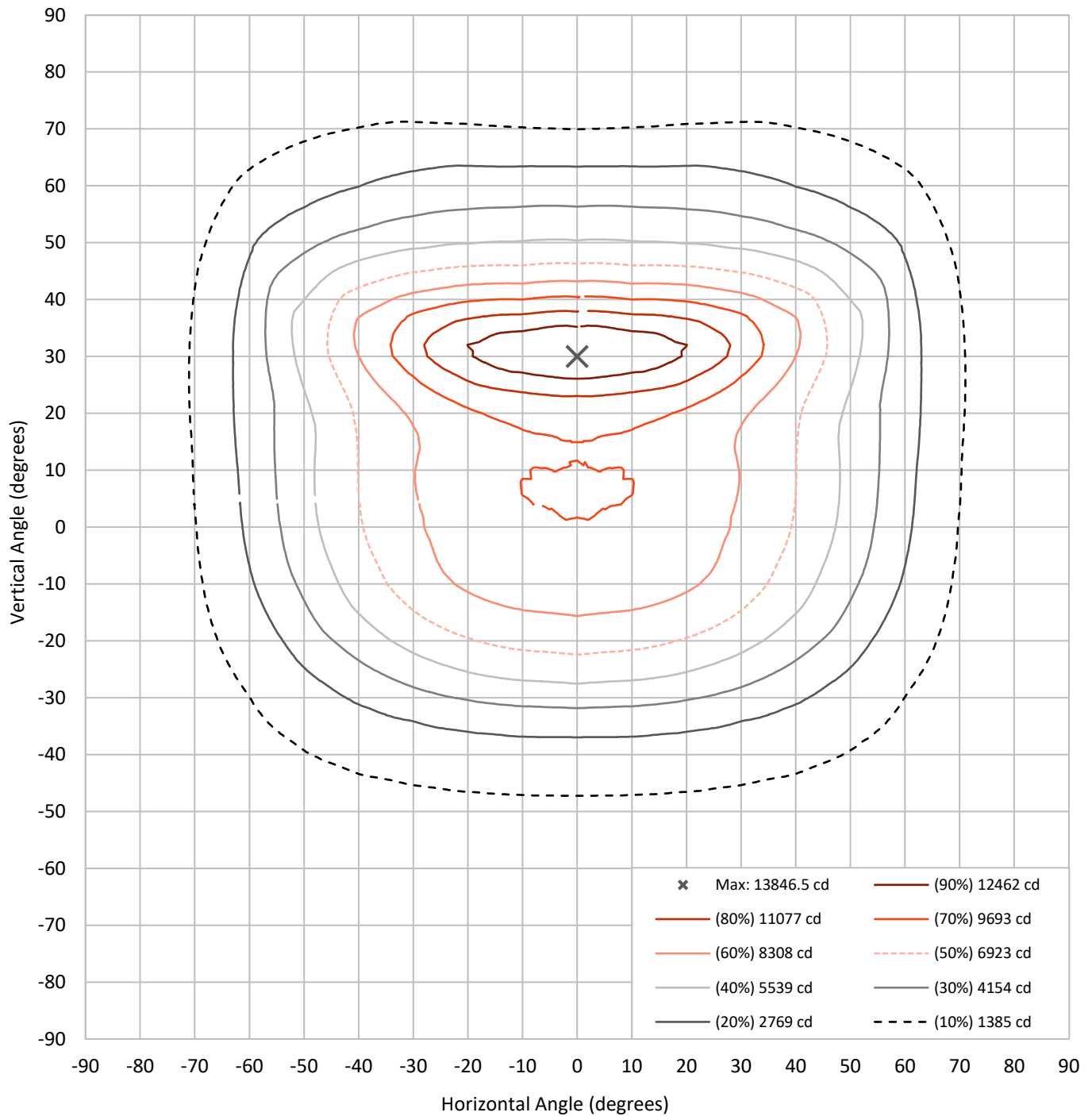
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	23113.3 lumens	Max Intensity:	13846.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	92.6 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 0.5' x H: 0')		
Beam Angle (50%):	90.8°H x 68.8°V	Field Angle (10%):	142°H x 117.1°V
Beam Lumens:	13440.6 lumens	Field Lumens:	21660.1 lumens
Beam Efficiency:	58.2%	Field Efficiency:	93.7%

Input Watts (W): 249.7
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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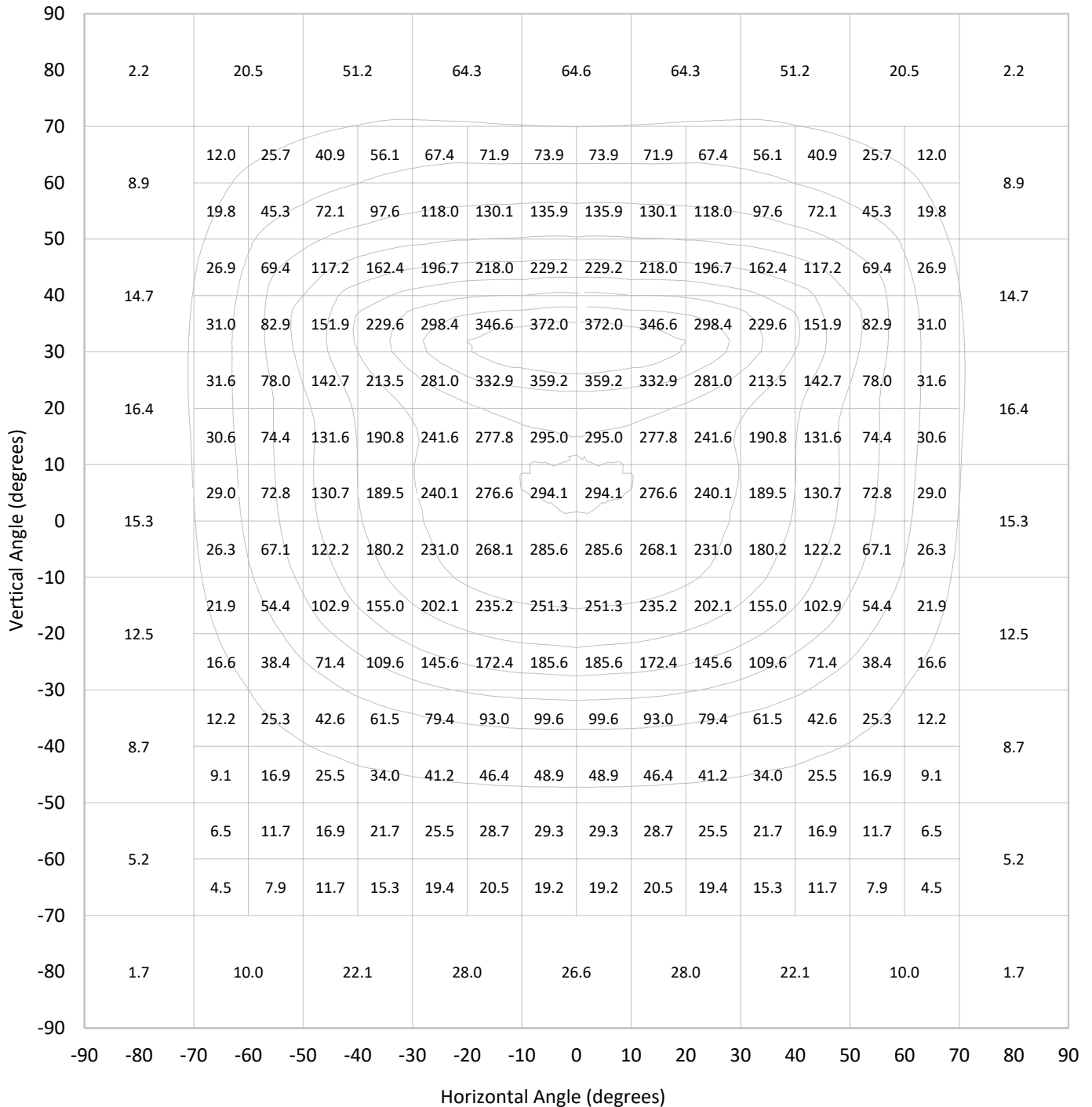
Iso-Candela Plot





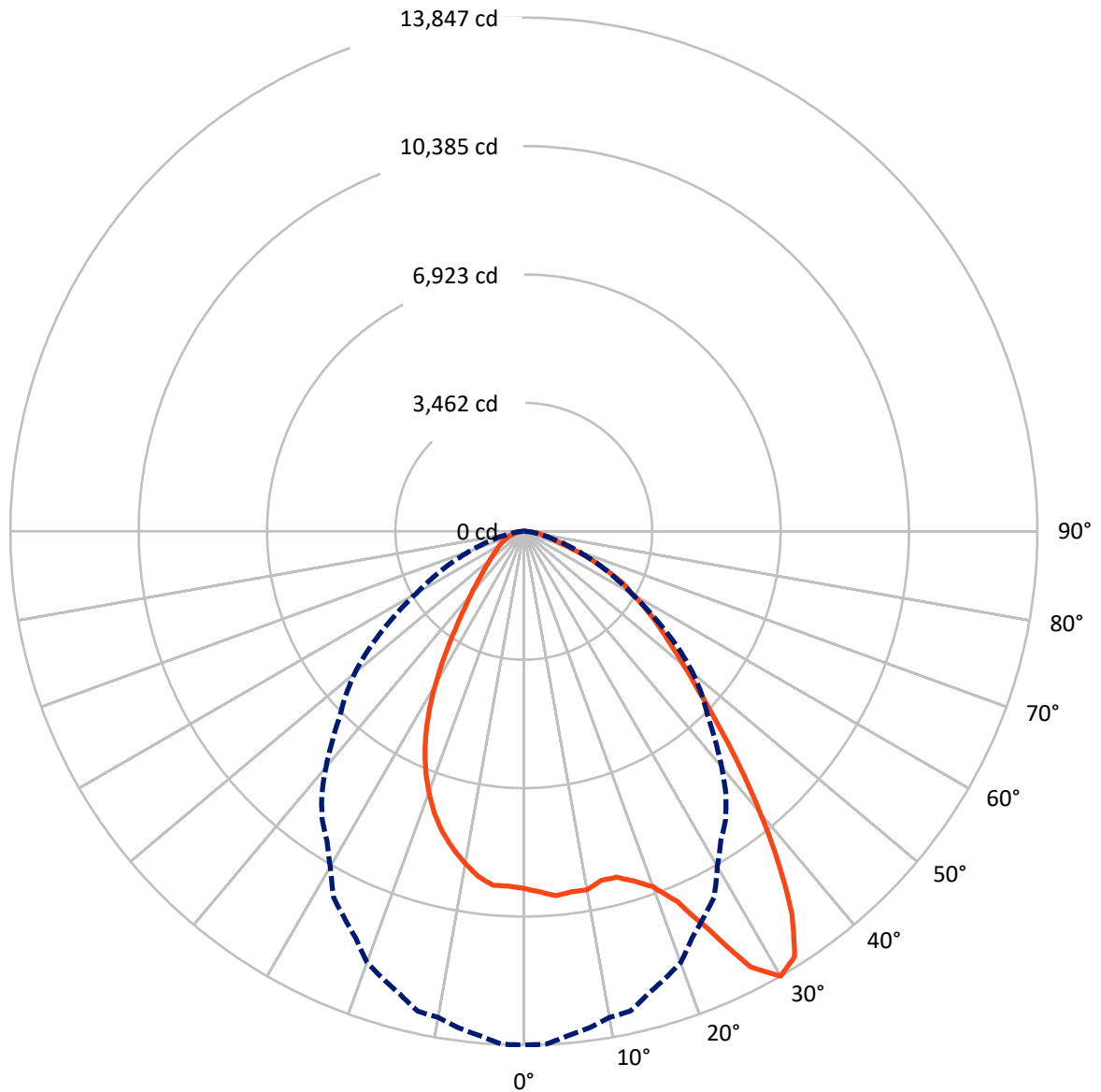
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Lumen Table



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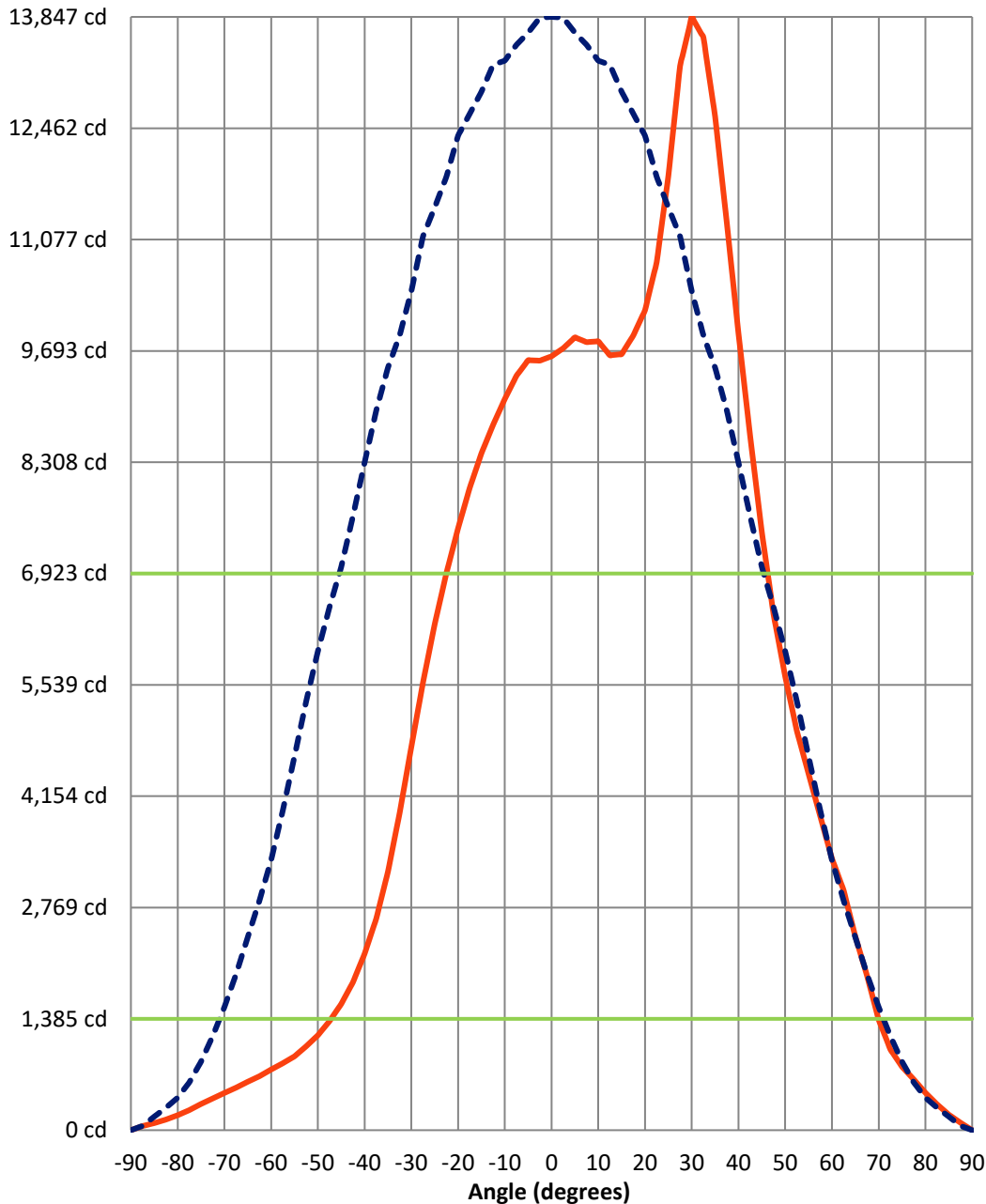
Luminous Intensity Polar Plot



— 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: 13440.6
 Efficiency: 58.2%

Field:
 H Angle: 142°
 V Angle: 117.1°
 Lumens: 21660.1
 Efficiency: 93.7%

Spill:
 Lumens: 1453.1
 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°	93.0	95.5	97.9	97.9	95.5	95.5	95.5	93.0	95.5	95.5	95.5
85°	193.4	198.3	203.2	200.8	198.3	193.4	188.5	191.0	193.4	195.9	195.9
82.5°	320.8	328.1	333.0	330.6	325.7	320.8	315.9	318.3	323.2	325.7	325.7
80°	465.2	467.7	470.1	475.0	467.7	467.7	465.2	475.0	479.9	484.8	489.7
77.5°	631.7	634.2	634.2	636.6	639.1	641.5	641.5	658.7	670.9	678.2	685.6
75°	788.4	795.8	803.1	810.5	820.3	825.2	832.5	857.0	876.6	891.3	906.0
72.5°	1003.9	1013.7	1025.9	1043.1	1060.2	1072.5	1089.6	1119.0	1141.0	1155.7	1172.9
70°	1373.6	1383.4	1395.7	1407.9	1425.0	1437.3	1454.4	1491.2	1513.2	1523.0	1532.8
67.5°	1922.1	1946.6	1968.6	1944.1	1931.9	1914.8	1919.7	1953.9	1976.0	1990.7	1988.2
65°	2409.4	2426.5	2426.5	2424.1	2414.3	2392.2	2404.5	2446.1	2470.6	2482.8	2446.1
62.5°	2982.3	2982.3	2970.1	2989.7	2992.1	2977.4	2970.1	2972.5	2975.0	2982.3	2921.1
60°	3379.0	3403.5	3410.8	3428.0	3432.9	3432.9	3445.1	3454.9	3454.9	3440.2	3369.2
57.5°	3903.0	3949.5	3959.3	3947.0	3922.6	3890.7	3885.8	3871.1	3841.8	3812.4	3778.1
55°	4431.9	4456.3	4453.9	4446.5	4422.1	4385.3	4390.2	4370.6	4324.1	4287.4	4240.9
52.5°	4963.2	5022.0	5031.7	5017.1	4982.8	4943.6	4946.0	4924.0	4877.5	4838.3	4774.7
50°	5641.4	5690.4	5685.5	5661.0	5612.1	5582.7	5585.1	5543.5	5489.6	5477.4	5394.1
47.5°	6417.6	6473.9	6464.1	6429.9	6363.8	6351.5	6363.8	6309.9	6278.1	6251.1	6153.2
45°	7436.2	7502.3	7465.6	7399.5	7294.2	7306.4	7323.6	7313.8	7245.2	7174.2	7049.3
42.5°	8631.1	8672.7	8628.7	8562.5	8430.3	8454.8	8445.0	8386.2	8344.6	8227.1	8067.9
40°	9909.2	9999.8	9931.3	9828.4	9691.3	9728.0	9701.1	9625.2	9527.3	9380.4	9179.6
37.5°	11287.8	11358.8	11280.4	11160.4	11038.0	11025.8	10971.9	10854.4	10714.8	10553.2	10232.4
35°	12607.5	12791.2	12646.7	12455.7	12306.4	12250.0	12198.6	11926.8	11767.7	11505.7	11067.4
32.5°	13589.4	13724.1	13545.3	13347.0	13165.8	13087.4	12906.2	12583.0	12497.3	11946.4	11544.9
30°	13846.5	13836.7	13650.6	13498.8	13302.9	13249.0	12916.0	12641.8	12367.6	11858.3	11476.3
27.5°	13234.4	13173.1	12994.4	12862.2	12668.7	12605.1	12277.0	12130.1	11706.5	11275.5	10952.3
25°	11870.5	11902.3	11767.7	11701.6	11574.2	11437.1	11307.4	11109.0	10844.6	10467.5	10171.2
22.5°	10795.6	10837.2	10780.9	10702.6	10604.6	10528.7	10430.8	10276.5	10021.9	9789.3	9510.1
20°	10198.2	10185.9	10137.0	10078.2	9985.1	9931.3	9823.5	9693.8	9497.9	9297.1	8995.9
17.5°	9884.8	9808.8	9762.3	9740.3	9691.3	9622.8	9495.4	9363.2	9211.4	8983.7	8763.3
15°	9652.1	9664.4	9627.7	9610.5	9571.3	9475.8	9346.1	9238.3	9032.7	8917.6	8716.8
12.5°	9637.4	9625.2	9627.7	9620.3	9571.3	9448.9	9382.8	9245.7	9113.5	8961.7	8731.5
10°	9811.3	9681.5	9691.3	9725.6	9647.2	9549.3	9478.3	9328.9	9204.1	9010.6	8782.9
7.5°	9801.5	9735.4	9755.0	9698.7	9723.1	9603.2	9505.2	9355.9	9199.2	8993.5	8787.8
5°	9860.3	9759.9	9742.7	9747.6	9686.4	9595.8	9463.6	9321.6	9174.7	8944.5	8733.9
2.5°	9725.6	9740.3	9661.9	9632.6	9625.2	9473.4	9351.0	9213.9	9062.0	8858.8	8670.3
0°	9625.2	9652.1	9571.3	9529.7	9527.3	9397.5	9319.1	9162.4	9054.7	8885.7	8658.0
-2.5°	9571.3	9603.2	9613.0	9537.1	9463.6	9363.2	9231.0	9062.0	8885.7	8689.9	8494.0
-5°	9576.2	9512.6	9485.6	9510.1	9446.5	9346.1	9199.2	9049.8	8876.0	8665.4	8420.5
-7.5°	9382.8	9319.1	9314.2	9302.0	9287.3	9191.8	9069.4	8907.8	8731.5	8535.6	8307.9
-10°	9093.9	9047.4	9035.1	9022.9	8983.7	8927.4	8812.3	8665.4	8506.2	8310.3	8067.9
-12.5°	8773.1	8751.1	8704.6	8672.7	8633.5	8567.4	8457.3	8322.6	8163.4	7989.6	7781.5
-15°	8418.1	8376.5	8329.9	8303.0	8246.7	8168.3	8058.1	7933.3	7759.4	7588.0	7392.1
-17.5°	7989.6	7938.2	7886.7	7879.4	7840.2	7720.2	7617.4	7465.6	7313.8	7149.7	6958.7
-20°	7485.2	7414.2	7379.9	7360.3	7306.4	7218.3	7108.1	6968.5	6821.6	6664.9	6444.6



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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°	6926.9	6865.7	6806.9	6770.2	6723.7	6655.1	6549.8	6427.4	6283.0	6106.7	5903.4
-25°	6292.7	6207.0	6170.3	6128.7	6104.2	6040.5	5937.7	5825.1	5675.7	5504.3	5310.9
-27.5°	5568.0	5499.4	5479.8	5421.1	5391.7	5325.6	5239.9	5134.6	4997.5	4835.9	4676.7
-30°	4767.3	4725.7	4693.8	4635.1	4613.0	4542.0	4485.7	4397.6	4272.7	4157.6	4030.3
-32.5°	3944.6	3903.0	3893.2	3866.2	3851.6	3805.0	3741.4	3677.7	3577.3	3491.6	3388.8
-35°	3214.9	3185.5	3188.0	3185.5	3170.9	3136.6	3058.2	3041.1	2967.6	2889.3	2823.2
-37.5°	2632.2	2634.6	2632.2	2629.7	2610.1	2595.5	2539.1	2517.1	2473.0	2397.1	2357.9
-40°	2193.9	2198.8	2196.3	2191.4	2169.4	2162.1	2125.3	2095.9	2078.8	2024.9	1983.3
-42.5°	1838.9	1846.2	1843.7	1841.3	1826.6	1824.2	1804.6	1770.3	1760.5	1728.7	1684.6
-45°	1569.5	1567.1	1562.2	1567.1	1559.7	1552.4	1540.1	1518.1	1505.9	1491.2	1454.4
-47.5°	1356.5	1358.9	1354.0	1354.0	1344.2	1336.9	1332.0	1317.3	1307.5	1295.3	1273.2
-50°	1180.2	1190.0	1187.5	1185.1	1177.7	1172.9	1172.9	1158.2	1143.5	1138.6	1123.9
-52.5°	1043.1	1050.4	1052.9	1057.8	1060.2	1062.7	1055.3	1040.6	1016.1	1013.7	1006.3
-55°	918.2	940.2	954.9	964.7	974.5	981.9	967.2	947.6	923.1	913.3	910.9
-57.5°	832.5	854.5	871.7	886.4	898.6	910.9	896.2	876.6	854.5	842.3	839.8
-60°	754.2	773.7	790.9	810.5	827.6	847.2	839.8	825.2	812.9	803.1	793.3
-62.5°	670.9	690.5	710.1	734.6	756.6	776.2	778.6	776.2	773.7	776.2	759.0
-65°	602.3	612.1	624.4	651.3	675.8	697.8	710.1	717.4	729.7	741.9	724.8
-67.5°	528.9	541.1	555.8	575.4	595.0	609.7	626.8	646.4	666.0	685.6	673.3
-70°	462.8	472.6	484.8	494.6	506.8	516.6	531.3	553.4	575.4	595.0	590.1
-72.5°	394.2	404.0	411.4	416.3	423.6	428.5	435.8	455.4	470.1	479.9	479.9
-75°	325.7	335.4	342.8	345.2	350.1	352.6	357.5	364.8	372.2	374.6	377.1
-77.5°	249.8	259.5	266.9	271.8	276.7	281.6	284.0	288.9	291.4	291.4	293.8
-80°	186.1	193.4	198.3	205.7	208.1	213.0	217.9	220.4	222.8	222.8	225.3
-82.5°	132.2	137.1	142.0	146.9	151.8	154.3	159.2	161.6	164.1	166.5	168.9
-85°	88.1	93.0	97.9	102.8	105.3	107.7	110.2	112.6	115.1	117.5	120.0
-87.5°	51.4	53.9	56.3	61.2	63.7	68.6	71.0	68.6	71.0	71.0	71.0
-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°	95.5	95.5	95.5	95.5	93.0	88.1	85.7	80.8	75.9	71.0	66.1
85°	198.3	200.8	200.8	200.8	195.9	193.4	186.1	178.7	168.9	154.3	142.0
82.5°	330.6	333.0	333.0	330.6	325.7	318.3	308.5	296.3	276.7	257.1	240.0
80°	497.1	499.5	499.5	497.1	484.8	472.6	460.3	445.6	421.1	394.2	364.8
77.5°	695.4	700.3	700.3	692.9	675.8	661.1	641.5	617.0	580.3	541.1	502.0
75°	925.5	937.8	940.2	932.9	910.9	883.9	852.1	810.5	754.2	705.2	658.7
72.5°	1192.4	1204.7	1214.5	1204.7	1172.9	1136.1	1089.6	1040.6	984.3	918.2	839.8
70°	1542.6	1554.8	1562.2	1530.3	1474.0	1412.8	1356.5	1300.2	1234.1	1153.3	1067.6
67.5°	1983.3	1971.1	1956.4	1892.7	1821.7	1748.3	1669.9	1586.7	1501.0	1415.3	1314.9
65°	2406.9	2372.6	2340.8	2264.9	2174.3	2078.8	1988.2	1895.2	1792.3	1684.6	1589.1
62.5°	2852.5	2779.1	2700.7	2607.7	2514.6	2409.4	2318.8	2208.6	2093.5	1961.3	1838.9
60°	3290.8	3202.7	3124.3	3009.3	2886.8	2744.8	2646.9	2539.1	2404.5	2262.5	2118.0
57.5°	3714.4	3618.9	3533.2	3432.9	3300.6	3146.4	3038.6	2899.1	2757.1	2578.3	2431.4
55°	4165.0	4069.5	4000.9	3888.3	3743.8	3601.8	3484.3	3337.4	3139.0	2948.0	2766.8
52.5°	4681.6	4605.7	4532.2	4417.2	4243.3	4098.9	3969.1	3805.0	3596.9	3361.8	3143.9
50°	5259.5	5220.3	5141.9	5007.3	4808.9	4681.6	4510.2	4292.3	4069.5	3822.2	3550.4
47.5°	6025.9	5962.2	5852.0	5705.1	5538.6	5347.6	5117.4	4862.8	4546.9	4272.7	3983.8
45°	6941.6	6824.1	6682.1	6483.7	6278.1	6062.6	5810.4	5487.2	5063.6	4706.1	4402.5
42.5°	7933.3	7774.1	7580.7	7321.1	7054.2	6789.8	6518.0	6077.3	5548.4	5137.0	4794.2
40°	8969.0	8765.8	8523.4	8146.3	7850.0	7509.7	7198.7	6540.0	5976.9	5531.2	5166.4
37.5°	9982.7	9725.6	9319.1	8861.3	8516.0	8236.9	7553.7	6848.6	6344.2	5854.5	5484.7
35°	10758.9	10541.0	9823.5	9348.5	9052.2	8611.5	7757.0	7034.7	6500.9	6094.4	5519.0
32.5°	11219.2	10656.0	10026.8	9546.9	9302.0	8579.7	7771.7	7088.5	6574.3	6118.9	5430.9
30°	11116.4	10435.7	9884.8	9483.2	8951.9	8303.0	7634.5	7005.3	6505.8	5954.8	5332.9
27.5°	10496.9	9970.5	9478.3	9059.6	8538.1	7955.3	7338.3	6784.9	6319.7	5785.9	5198.2
25°	9796.6	9319.1	8954.3	8589.5	8094.9	7539.1	6995.5	6596.4	6128.7	5602.3	5022.0
22.5°	9152.6	8809.8	8523.4	8141.4	7659.0	7174.2	6836.3	6422.5	5942.6	5408.8	4840.8
20°	8741.3	8508.7	8180.6	7759.4	7379.9	7076.3	6701.7	6263.4	5768.8	5210.5	4686.5
17.5°	8543.0	8273.6	7908.8	7634.5	7343.2	7010.2	6591.5	6126.2	5599.8	5119.9	4703.6
15°	8440.1	8156.1	7916.1	7646.8	7318.7	6968.5	6503.3	6021.0	5599.8	5156.6	4715.9
12.5°	8462.2	8217.3	7955.3	7661.5	7308.9	6934.3	6513.1	6065.0	5629.2	5183.6	4718.3
10°	8530.7	8273.6	7994.5	7668.8	7313.8	6944.1	6540.0	6092.0	5643.9	5195.8	4713.4
7.5°	8555.2	8276.1	7977.3	7649.2	7301.5	6939.2	6544.9	6099.3	5646.3	5193.4	4698.7
5°	8479.3	8227.1	7938.2	7607.6	7267.3	6914.7	6525.4	6089.5	5626.7	5168.9	4662.0
2.5°	8376.5	8173.2	7896.5	7578.2	7233.0	6880.4	6493.5	6045.4	5582.7	5124.8	4615.5
0°	8359.3	8107.1	7828.0	7543.9	7176.7	6804.5	6420.1	5962.2	5501.9	5041.5	4534.7
-2.5°	8246.7	7979.8	7700.7	7392.1	7068.9	6694.3	6290.3	5842.2	5386.8	4933.8	4446.5
-5°	8161.0	7864.7	7568.4	7235.4	6909.8	6535.2	6116.5	5680.6	5235.0	4794.2	4324.1
-7.5°	8045.9	7742.3	7431.3	7083.6	6731.0	6349.1	5935.3	5499.4	5061.1	4622.8	4172.3
-10°	7813.3	7546.4	7255.0	6895.1	6522.9	6140.9	5729.6	5301.1	4862.8	4419.6	3966.6
-12.5°	7531.7	7250.1	6931.8	6601.3	6268.3	5913.2	5501.9	5080.7	4640.0	4194.3	3743.8
-15°	7166.9	6890.2	6564.5	6241.3	5920.6	5580.2	5217.8	4838.3	4390.2	3951.9	3501.4
-17.5°	6711.4	6451.9	6160.5	5852.0	5533.7	5190.9	4838.3	4517.6	4098.9	3687.5	3241.9
-20°	6221.7	5979.3	5717.3	5426.0	5107.7	4772.2	4439.2	4103.8	3741.4	3379.0	2965.2



REPORT NUMBER: P722325
 CATALOG NUMBER: IFLD-M-SA4D-940-U-76

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
-22.5°	5712.4	5467.6	5203.1	4931.4	4637.5	4326.6	4018.1	3697.3	3379.0	3050.9	2700.7
-25°	5124.8	4909.3	4666.9	4402.5	4140.5	3868.7	3574.9	3283.5	3011.7	2727.7	2441.2
-27.5°	4510.2	4311.9	4091.5	3861.3	3636.1	3408.4	3153.7	2884.4	2659.1	2424.1	2186.5
-30°	3863.8	3704.6	3525.9	3325.1	3151.3	2967.6	2754.6	2531.8	2326.1	2147.4	1956.4
-32.5°	3251.7	3117.0	2989.7	2857.4	2686.0	2544.0	2397.1	2233.1	2051.9	1882.9	1745.8
-35°	2725.2	2580.8	2526.9	2429.0	2306.5	2181.6	2073.9	1956.4	1819.3	1669.9	1557.3
-37.5°	2282.0	2196.3	2120.4	2066.6	1985.8	1885.4	1799.7	1714.0	1608.7	1496.1	1383.4
-40°	1936.8	1878.0	1794.8	1767.8	1716.4	1647.9	1559.7	1493.6	1422.6	1336.9	1241.4
-42.5°	1660.1	1616.0	1562.2	1515.6	1493.6	1444.6	1376.1	1312.4	1256.1	1197.3	1123.9
-45°	1432.4	1403.0	1368.7	1327.1	1310.0	1270.8	1221.8	1150.8	1119.0	1070.0	1016.1
-47.5°	1248.8	1234.1	1209.6	1182.6	1158.2	1128.8	1084.7	1040.6	996.6	964.7	923.1
-50°	1104.3	1094.5	1079.8	1057.8	1025.9	1006.3	977.0	937.8	896.2	869.2	839.8
-52.5°	989.2	979.4	969.6	952.5	928.0	908.4	883.9	852.1	817.8	790.9	766.4
-55°	901.1	886.4	879.0	864.3	844.7	822.7	800.7	778.6	749.3	724.8	700.3
-57.5°	832.5	812.9	803.1	790.9	771.3	749.3	732.1	710.1	690.5	663.6	641.5
-60°	778.6	756.6	737.0	724.8	707.6	685.6	668.5	651.3	631.7	609.7	582.8
-62.5°	734.6	707.6	680.7	666.0	648.9	629.3	612.1	595.0	575.4	553.4	528.9
-65°	692.9	661.1	626.8	612.1	595.0	575.4	553.4	541.1	524.0	504.4	479.9
-67.5°	641.5	607.2	577.9	560.7	543.6	526.4	506.8	494.6	477.5	453.0	428.5
-70°	565.6	543.6	524.0	509.3	494.6	479.9	460.3	440.7	421.1	399.1	377.1
-72.5°	470.1	462.8	460.3	453.0	435.8	418.7	399.1	379.5	362.4	345.2	328.1
-75°	379.5	384.4	389.3	386.9	369.7	352.6	335.4	318.3	306.1	291.4	276.7
-77.5°	301.2	306.1	311.0	311.0	298.7	288.9	276.7	264.4	254.6	242.4	227.7
-80°	232.6	240.0	247.3	252.2	242.4	235.1	225.3	215.5	205.7	195.9	186.1
-82.5°	176.3	183.6	191.0	195.9	188.5	183.6	176.3	168.9	161.6	151.8	144.5
-85°	127.3	132.2	137.1	139.6	134.7	129.8	124.9	120.0	115.1	107.7	102.8
-87.5°	73.5	75.9	78.4	80.8	75.9	71.0	68.6	63.7	61.2	56.3	53.9
-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°	61.2	56.3	51.4	49.0	44.1	36.7	31.8	26.9	22.0	17.1	14.7
85°	129.8	117.5	102.8	95.5	85.7	75.9	66.1	56.3	46.5	36.7	26.9
82.5°	222.8	208.1	193.4	176.3	154.3	127.3	100.4	83.3	68.6	53.9	41.6
80°	335.4	308.5	284.0	262.0	237.5	203.2	166.5	132.2	93.0	71.0	53.9
77.5°	465.2	433.4	399.1	362.4	323.2	276.7	235.1	191.0	144.5	97.9	68.6
75°	612.1	570.5	524.0	472.6	421.1	359.9	301.2	249.8	195.9	137.1	83.3
72.5°	776.2	724.8	668.5	599.9	519.1	448.1	377.1	308.5	244.9	173.8	112.6
70°	986.8	906.0	822.7	749.3	646.4	533.8	450.5	372.2	291.4	213.0	142.0
67.5°	1212.0	1114.1	1013.7	906.0	776.2	644.0	524.0	435.8	340.3	249.8	168.9
65°	1456.9	1334.5	1207.1	1087.2	908.4	751.7	617.0	497.1	386.9	284.0	195.9
62.5°	1709.1	1564.6	1417.7	1261.0	1055.3	861.9	705.2	565.6	430.9	315.9	220.4
60°	1978.4	1809.5	1630.7	1434.8	1194.9	981.9	788.4	636.6	477.5	347.7	247.3
57.5°	2262.5	2078.8	1868.2	1603.8	1339.4	1096.9	883.9	700.3	519.1	377.1	266.9
55°	2571.0	2360.4	2130.2	1780.1	1481.4	1212.0	979.4	763.9	563.2	401.6	286.5
52.5°	2904.0	2659.1	2367.7	1966.2	1630.7	1329.6	1067.6	820.3	604.8	428.5	303.6
50°	3276.1	2967.6	2575.9	2137.6	1760.5	1439.7	1155.7	881.5	639.1	457.9	318.3
47.5°	3663.0	3330.0	2762.0	2296.7	1892.7	1547.5	1246.3	935.3	673.3	482.4	333.0
45°	4067.0	3582.2	2955.4	2438.7	2007.8	1645.4	1314.9	984.3	715.0	504.4	345.2
42.5°	4466.1	3773.2	3124.3	2580.8	2115.5	1733.6	1371.2	1030.8	749.3	526.4	357.5
40°	4654.7	3917.7	3259.0	2678.7	2206.1	1811.9	1420.2	1072.5	778.6	541.1	369.7
37.5°	4733.0	4005.8	3347.2	2771.7	2277.1	1853.5	1461.8	1109.2	803.1	555.8	379.5
35°	4750.2	4037.6	3391.2	2835.4	2335.9	1892.7	1493.6	1136.1	822.7	570.5	389.3
32.5°	4718.3	4027.8	3403.5	2857.4	2372.6	1922.1	1515.6	1155.7	837.4	585.2	399.1
30°	4647.3	3976.4	3359.4	2855.0	2399.6	1939.2	1530.3	1170.4	852.1	595.0	404.0
27.5°	4532.2	3885.8	3303.1	2857.4	2414.3	1946.6	1537.7	1177.7	861.9	602.3	413.8
25°	4390.2	3763.4	3305.5	2852.5	2416.7	1949.0	1537.7	1177.7	864.3	604.8	421.1
22.5°	4226.2	3763.4	3305.5	2845.2	2402.0	1944.1	1530.3	1172.9	864.3	609.7	428.5
20°	4236.0	3765.9	3298.2	2830.5	2380.0	1929.4	1513.2	1160.6	857.0	617.0	433.4
17.5°	4243.3	3761.0	3283.5	2810.9	2350.6	1905.0	1491.2	1143.5	857.0	624.4	435.8
15°	4243.3	3746.3	3261.5	2781.5	2313.9	1870.7	1459.3	1128.8	859.4	626.8	440.7
12.5°	4236.0	3719.3	3227.2	2742.4	2269.8	1829.1	1439.7	1123.9	859.4	629.3	440.7
10°	4221.3	3682.6	3183.1	2693.4	2228.2	1814.4	1429.9	1114.1	854.5	629.3	440.7
7.5°	4194.3	3638.5	3146.4	2664.0	2203.7	1797.2	1415.3	1099.4	847.2	624.4	445.6
5°	4152.7	3614.0	3117.0	2629.7	2169.4	1785.0	1405.5	1087.2	842.3	624.4	440.7
2.5°	4098.9	3584.7	3082.7	2585.7	2130.2	1743.4	1373.6	1060.2	825.2	614.6	435.8
0°	4010.7	3525.9	3023.9	2524.4	2076.4	1701.7	1341.8	1033.3	808.0	604.8	430.9
-2.5°	3929.9	3447.5	2948.0	2460.8	2024.9	1665.0	1317.3	1018.6	800.7	602.3	428.5
-5°	3817.3	3339.8	2847.7	2377.5	1956.4	1628.3	1292.8	1001.5	793.3	597.4	428.5
-7.5°	3692.4	3227.2	2742.4	2291.8	1887.8	1564.6	1246.3	974.5	776.2	587.6	426.0
-10°	3499.0	3058.2	2610.1	2193.9	1814.4	1508.3	1207.1	950.0	761.5	577.9	416.3
-12.5°	3293.3	2872.1	2458.3	2073.9	1731.1	1449.5	1163.1	923.1	744.4	568.1	411.4
-15°	3075.4	2681.2	2299.2	1949.0	1640.5	1378.5	1116.5	893.7	727.2	555.8	404.0
-17.5°	2847.7	2480.4	2135.1	1821.7	1549.9	1305.1	1067.6	866.8	707.6	543.6	396.7
-20°	2607.7	2274.7	1968.6	1691.9	1454.4	1231.6	1016.1	835.0	685.6	528.9	386.9



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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°	2370.2	2071.5	1797.2	1564.6	1356.5	1155.7	964.7	803.1	661.1	511.7	379.5
-25°	2159.6	1880.5	1645.4	1442.2	1261.0	1082.3	910.9	771.3	634.2	494.6	369.7
-27.5°	1953.9	1716.4	1496.1	1327.1	1168.0	1011.2	859.4	737.0	607.2	475.0	359.9
-30°	1762.9	1559.7	1378.5	1214.5	1079.8	947.6	815.4	702.7	577.9	455.4	347.7
-32.5°	1589.1	1425.0	1273.2	1116.5	996.6	883.9	773.7	668.5	548.5	435.8	335.4
-35°	1427.5	1300.2	1168.0	1035.7	913.3	825.2	729.7	631.7	521.5	413.8	323.2
-37.5°	1283.0	1180.2	1074.9	962.3	857.0	768.8	688.0	595.0	494.6	394.2	311.0
-40°	1158.2	1074.9	981.9	891.3	803.1	719.9	646.4	558.3	467.7	379.5	298.7
-42.5°	1043.1	979.4	903.5	827.6	749.3	675.8	604.8	519.1	440.7	362.4	286.5
-45°	954.9	891.3	830.1	761.5	695.4	631.7	560.7	484.8	416.3	342.8	274.2
-47.5°	871.7	815.4	759.0	702.7	648.9	590.1	519.1	455.4	389.3	325.7	264.4
-50°	798.2	744.4	695.4	646.4	599.9	543.6	477.5	426.0	367.3	308.5	252.2
-52.5°	729.7	683.1	634.2	595.0	555.8	499.5	445.6	396.7	345.2	288.9	240.0
-55°	668.5	624.4	580.3	543.6	506.8	457.9	413.8	372.2	323.2	274.2	227.7
-57.5°	609.7	573.0	531.3	497.1	460.3	421.1	384.4	345.2	301.2	259.5	215.5
-60°	555.8	521.5	484.8	450.5	418.7	386.9	352.6	320.8	281.6	242.4	203.2
-62.5°	502.0	472.6	440.7	406.5	382.0	352.6	325.7	293.8	262.0	227.7	181.2
-65°	453.0	426.0	396.7	367.3	345.2	323.2	298.7	269.3	242.4	210.6	161.6
-67.5°	404.0	379.5	355.0	330.6	311.0	293.8	269.3	247.3	225.3	191.0	142.0
-70°	357.5	337.9	315.9	296.3	281.6	262.0	244.9	225.3	205.7	166.5	120.0
-72.5°	313.4	293.8	276.7	262.0	249.8	232.6	217.9	203.2	176.3	139.6	100.4
-75°	262.0	249.8	240.0	227.7	215.5	203.2	191.0	173.8	146.9	112.6	78.4
-77.5°	215.5	208.1	200.8	191.0	181.2	171.4	156.7	139.6	117.5	88.1	63.7
-80°	176.3	168.9	164.1	154.3	146.9	137.1	122.4	107.7	85.7	68.6	51.4
-82.5°	134.7	129.8	124.9	120.0	112.6	102.8	88.1	75.9	63.7	51.4	39.2
-85°	95.5	93.0	88.1	83.3	75.9	68.6	58.8	51.4	44.1	34.3	26.9
-87.5°	49.0	46.5	44.1	41.6	39.2	34.3	29.4	24.5	22.0	17.1	12.2
-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°	9.8	7.3	2.4	0.0
85°	19.6	12.2	4.9	0.0
82.5°	29.4	19.6	7.3	0.0
80°	39.2	24.5	12.2	0.0
77.5°	49.0	29.4	14.7	0.0
75°	58.8	36.7	17.1	0.0
72.5°	66.1	41.6	19.6	0.0
70°	78.4	49.0	22.0	0.0
67.5°	97.9	53.9	24.5	0.0
65°	115.1	58.8	26.9	0.0
62.5°	134.7	63.7	29.4	0.0
60°	151.8	68.6	31.8	0.0
57.5°	168.9	80.8	34.3	0.0
55°	183.6	90.6	36.7	0.0
52.5°	200.8	100.4	39.2	0.0
50°	215.5	110.2	41.6	0.0
47.5°	227.7	120.0	41.6	0.0
45°	237.5	127.3	44.1	0.0
42.5°	244.9	134.7	46.5	0.0
40°	252.2	142.0	49.0	0.0
37.5°	259.5	149.4	49.0	0.0
35°	266.9	156.7	51.4	0.0
32.5°	274.2	164.1	51.4	0.0
30°	279.1	168.9	53.9	0.0
27.5°	286.5	173.8	53.9	0.0
25°	288.9	178.7	56.3	0.0
22.5°	293.8	181.2	56.3	0.0
20°	298.7	186.1	56.3	0.0
17.5°	301.2	188.5	58.8	0.0
15°	301.2	191.0	61.2	0.0
12.5°	303.6	193.4	61.2	0.0
10°	303.6	198.3	58.8	0.0
7.5°	308.5	195.9	58.8	0.0
5°	306.1	195.9	58.8	0.0
2.5°	303.6	193.4	58.8	0.0
0°	301.2	193.4	58.8	0.0
-2.5°	301.2	193.4	58.8	0.0
-5°	301.2	193.4	58.8	0.0
-7.5°	298.7	195.9	58.8	0.0
-10°	293.8	195.9	58.8	0.0
-12.5°	291.4	188.5	58.8	0.0
-15°	288.9	186.1	58.8	0.0
-17.5°	284.0	183.6	56.3	0.0
-20°	279.1	181.2	56.3	0.0



REPORT NUMBER: P722325
CATALOG NUMBER: IFLD-M-SA4D-940-U-76

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	274.2	176.3	56.3	0.0
-25°	269.3	171.4	53.9	0.0
-27.5°	264.4	166.5	53.9	0.0
-30°	257.1	161.6	51.4	0.0
-32.5°	249.8	156.7	51.4	0.0
-35°	244.9	149.4	49.0	0.0
-37.5°	237.5	142.0	49.0	0.0
-40°	230.2	134.7	46.5	0.0
-42.5°	222.8	127.3	44.1	0.0
-45°	213.0	120.0	44.1	0.0
-47.5°	205.7	112.6	41.6	0.0
-50°	193.4	102.8	39.2	0.0
-52.5°	178.7	93.0	36.7	0.0
-55°	164.1	85.7	34.3	0.0
-57.5°	149.4	75.9	34.3	0.0
-60°	134.7	66.1	31.8	0.0
-62.5°	120.0	61.2	29.4	0.0
-65°	105.3	56.3	26.9	0.0
-67.5°	88.1	49.0	24.5	0.0
-70°	73.5	44.1	22.0	0.0
-72.5°	63.7	39.2	19.6	0.0
-75°	53.9	34.3	17.1	0.0
-77.5°	46.5	29.4	14.7	0.0
-80°	36.7	22.0	9.8	0.0
-82.5°	26.9	17.1	7.3	0.0
-85°	17.1	12.2	4.9	0.0
-87.5°	9.8	4.9	2.4	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)