

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: P722219

Luminaire Tested: **IFLD-L-SA8D-830-U-76**

Issue Date: 10/26/2023

Test Information

Test Method: LM-79-2019
Report Number: P722219
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8D-830-U-76
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7x6 Flood distribution lens
Light Source: (128) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

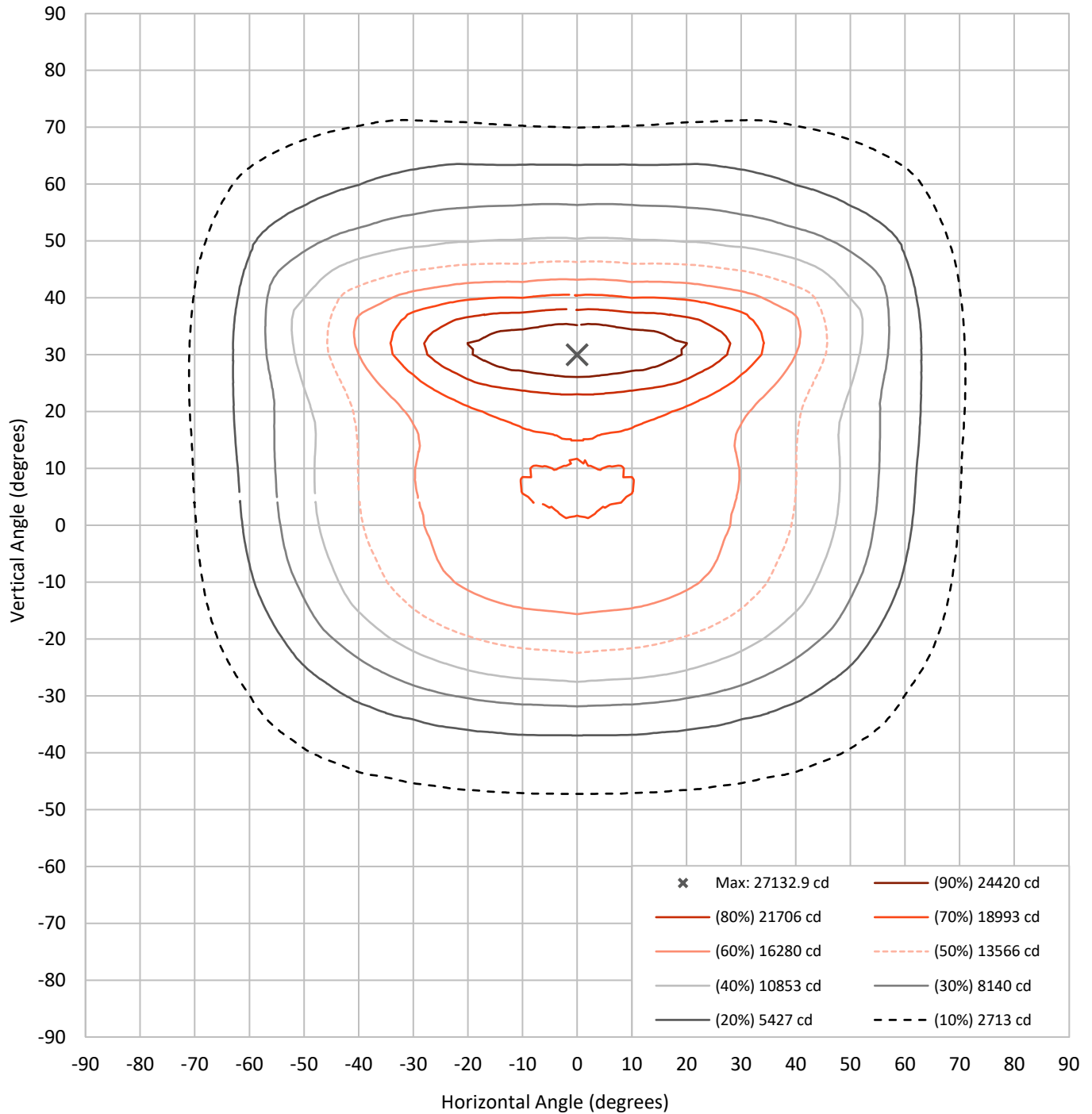
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	45291.5 lumens	Max Intensity:	27132.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	92.8 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')		
Beam Angle (50%):	90.8°H x 68.8°V	Field Angle (10%):	142°H x 117.1°V
Beam Lumens:	26337.6 lumens	Field Lumens:	42444 lumens
Beam Efficiency:	58.2%	Field Efficiency:	93.7%

Input Watts (W): 488.3
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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CATALOG NUMBER: IFLD-L-SA8D-830-U-76

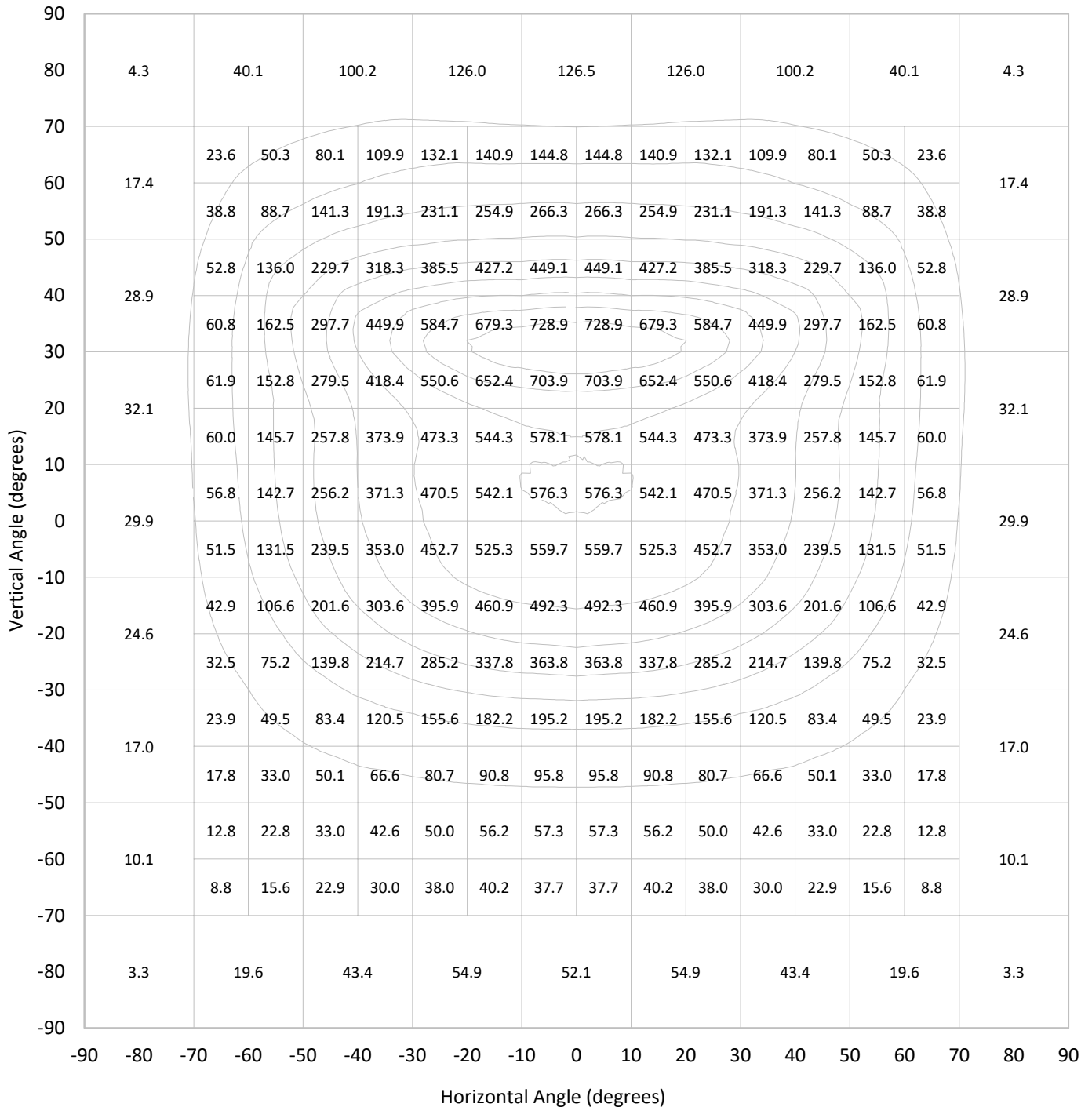
Iso-Candela Plot





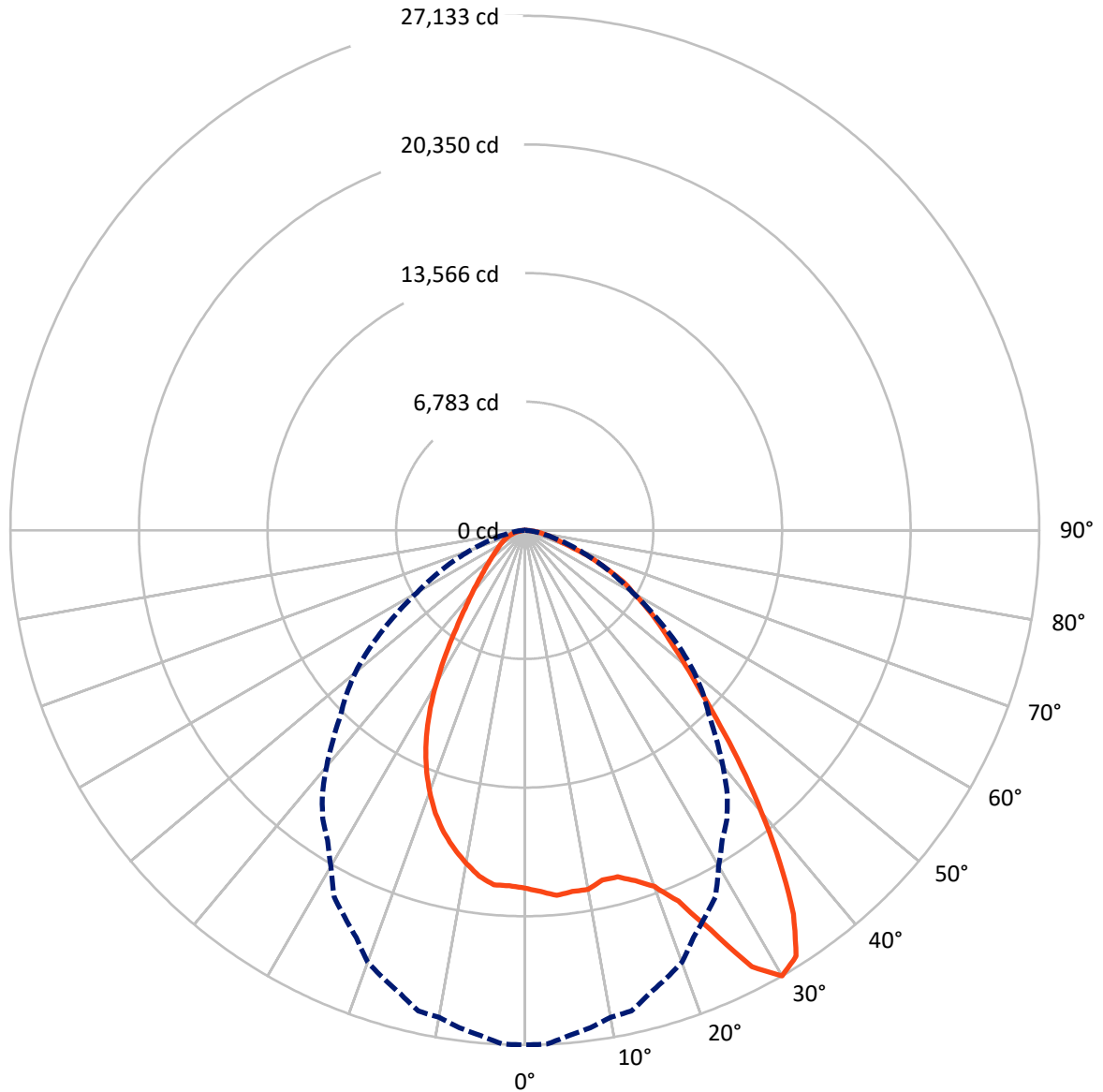
REPORT NUMBER: P722219
 CATALOG NUMBER: IFLD-L-SA8D-830-U-76

Lumen Table



REPORT NUMBER: P722219
CATALOG NUMBER: IFLD-L-SA8D-830-U-76

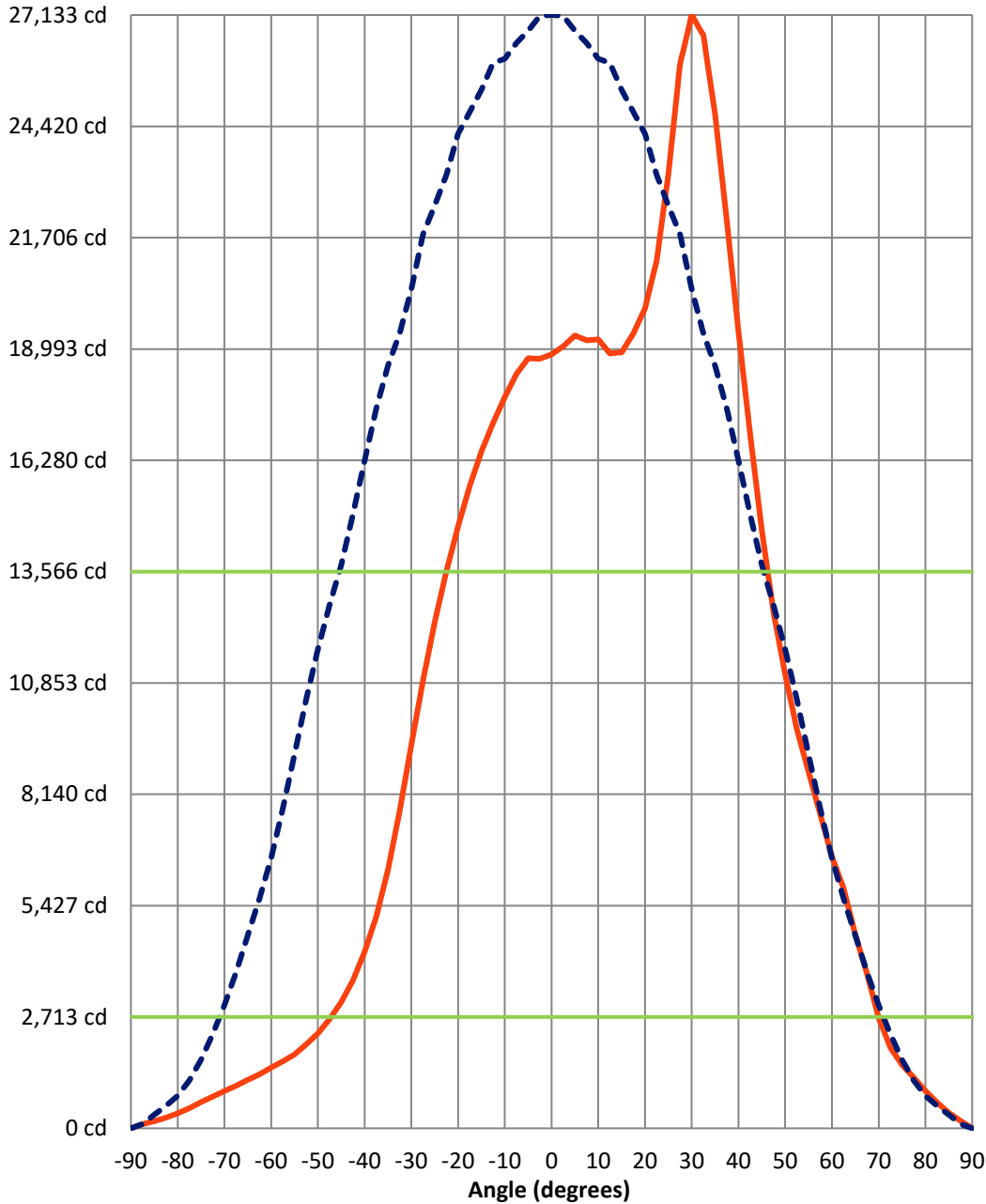
Luminous Intensity Polar Plot



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

REPORT NUMBER: P722219
 CATALOG NUMBER: IFLD-L-SA8D-830-U-76

Luminous Intensity Plot



Beam:
 H Angle: 90.8°
 V Angle: 68.8°
 Lumens: 26337.6
 Efficiency: 58.2%

Field:
 H Angle: 142°
 V Angle: 117.1°
 Lumens: 42444
 Efficiency: 93.7%

Spill:
 Lumens: 2847.5
 Efficiency: 6.3%

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



REPORT NUMBER: P722219
 CATALOG NUMBER: IFLD-L-SA8D-830-U-76

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°	182.3	187.1	191.9	191.9	187.1	187.1	187.1	182.3	187.1	187.1	187.1
85°	379.0	388.6	398.2	393.4	388.6	379.0	369.4	374.2	379.0	383.8	383.8
82.5°	628.5	642.9	652.5	647.7	638.1	628.5	618.9	623.7	633.3	638.1	638.1
80°	911.6	916.4	921.2	930.8	916.4	916.4	911.6	930.8	940.4	950.0	959.6
77.5°	1237.9	1242.7	1242.7	1247.5	1252.3	1257.1	1257.1	1290.7	1314.7	1329.1	1343.4
75°	1545.0	1559.4	1573.8	1588.1	1607.3	1616.9	1631.3	1679.3	1717.7	1746.5	1775.3
72.5°	1967.2	1986.4	2010.4	2044.0	2077.5	2101.5	2135.1	2192.7	2235.9	2264.7	2298.3
70°	2691.7	2710.9	2734.9	2758.9	2792.5	2816.4	2850.0	2922.0	2965.2	2984.4	3003.6
67.5°	3766.5	3814.4	3857.6	3809.6	3785.6	3752.1	3761.7	3828.8	3872.0	3900.8	3896.0
65°	4721.3	4754.8	4754.8	4750.0	4730.9	4687.7	4711.7	4793.2	4841.2	4865.2	4793.2
62.5°	5844.0	5844.0	5820.0	5858.4	5863.2	5834.4	5820.0	5824.8	5829.6	5844.0	5724.0
60°	6621.3	6669.3	6683.7	6717.2	6726.8	6726.8	6750.8	6770.0	6770.0	6741.2	6602.1
57.5°	7648.1	7739.2	7758.4	7734.4	7686.4	7624.1	7614.5	7585.7	7528.1	7470.5	7403.4
55°	8684.4	8732.4	8727.6	8713.2	8665.2	8593.3	8602.9	8564.5	8473.3	8401.3	8310.2
52.5°	9725.6	9840.8	9860.0	9831.2	9764.0	9687.2	9692.0	9648.8	9557.7	9480.9	9356.2
50°	11054.7	11150.6	11141.0	11093.0	10997.1	10939.5	10944.3	10862.7	10757.2	10733.2	10570.1
47.5°	12575.6	12686.0	12666.8	12599.6	12470.1	12446.1	12470.1	12364.5	12302.1	12249.4	12057.4
45°	14571.6	14701.2	14629.2	14499.6	14293.3	14317.3	14350.9	14331.7	14197.4	14058.2	13813.5
42.5°	16913.1	16994.6	16908.3	16778.7	16519.6	16567.6	16548.4	16433.3	16351.7	16121.4	15809.5
40°	19417.6	19595.2	19460.8	19259.3	18990.6	19062.6	19009.8	18861.1	18669.1	18381.3	17987.8
37.5°	22118.9	22258.1	22104.5	21869.4	21629.5	21605.5	21500.0	21269.7	20996.2	20679.5	20051.0
35°	24705.1	25064.9	24781.8	24407.6	24114.9	24004.5	23903.8	23371.2	23059.3	22545.9	21687.1
32.5°	26629.1	26893.0	26542.7	26154.1	25799.0	25645.5	25290.4	24657.1	24489.1	23409.6	22622.7
30°	27132.9	27113.7	26749.0	26451.5	26067.7	25962.1	25309.6	24772.2	24234.8	23236.9	22488.4
27.5°	25933.3	25813.4	25463.1	25204.0	24825.0	24700.3	24057.3	23769.4	22939.4	22094.9	21461.6
25°	23260.8	23323.2	23059.3	22929.8	22680.3	22411.6	22157.3	21768.7	21250.5	20511.6	19931.0
22.5°	21154.5	21236.1	21125.7	20972.2	20780.3	20631.5	20439.6	20137.3	19638.3	19182.5	18635.5
20°	19983.8	19959.8	19863.8	19748.7	19566.4	19460.8	19249.7	18995.4	18611.6	18218.1	17628.0
17.5°	19369.6	19220.9	19129.7	19086.6	18990.6	18856.3	18606.8	18347.7	18050.2	17604.0	17172.1
15°	18913.8	18937.8	18865.9	18832.3	18755.5	18568.4	18314.1	18103.0	17699.9	17474.4	17081.0
12.5°	18885.0	18861.1	18865.9	18851.5	18755.5	18515.6	18386.0	18117.4	17858.3	17560.8	17109.8
10°	19225.7	18971.4	18990.6	19057.8	18904.2	18712.3	18573.2	18280.5	18035.8	17656.7	17210.5
7.5°	19206.5	19077.0	19115.3	19005.0	19053.0	18817.9	18626.0	18333.3	18026.2	17623.2	17220.1
5°	19321.7	19124.9	19091.4	19101.0	18981.0	18803.5	18544.4	18266.1	17978.2	17527.2	17114.6
2.5°	19057.8	19086.6	18933.0	18875.4	18861.1	18563.6	18323.7	18055.0	17757.5	17359.3	16989.8
0°	18861.1	18913.8	18755.5	18673.9	18669.1	18414.8	18261.3	17954.2	17743.1	17412.0	16965.8
-2.5°	18755.5	18817.9	18837.1	18688.3	18544.4	18347.7	18088.6	17757.5	17412.0	17028.2	16644.4
-5°	18765.1	18640.3	18587.6	18635.5	18510.8	18314.1	18026.2	17733.5	17392.9	16980.2	16500.4
-7.5°	18386.0	18261.3	18251.7	18227.7	18198.9	18011.8	17771.9	17455.2	17109.8	16725.9	16279.7
-10°	17819.9	17728.7	17704.7	17680.7	17604.0	17493.6	17268.1	16980.2	16668.4	16284.5	15809.5
-12.5°	17191.3	17148.2	17057.0	16994.6	16917.9	16788.3	16572.4	16308.5	15996.6	15656.0	15248.1
-15°	16495.6	16414.1	16322.9	16270.1	16159.8	16006.2	15790.3	15545.6	15205.0	14869.1	14485.3
-17.5°	15656.0	15555.2	15454.5	15440.1	15363.3	15128.2	14926.7	14629.2	14331.7	14010.2	13636.0
-20°	14667.6	14528.4	14461.3	14422.9	14317.3	14144.6	13928.7	13655.2	13367.3	13060.2	12628.4



REPORT NUMBER: P722219
 CATALOG NUMBER: IFLD-L-SA8D-830-U-76

CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
-22.5°	13573.6	13453.7	13338.5	13266.6	13175.4	13041.0	12834.7	12594.8	12311.7	11966.3	11568.0
-25°	12330.9	12163.0	12091.0	12009.5	11961.5	11836.7	11635.2	11414.5	11121.8	10786.0	10406.9
-27.5°	10910.7	10776.4	10738.0	10622.8	10565.3	10435.7	10267.8	10061.5	9792.8	9476.1	9164.2
-30°	9341.8	9260.2	9197.8	9082.7	9039.5	8900.3	8790.0	8617.3	8372.6	8147.1	7897.6
-32.5°	7729.6	7648.1	7628.9	7576.1	7547.3	7456.1	7331.4	7206.6	7009.9	6842.0	6640.5
-35°	6299.8	6242.2	6247.0	6242.2	6213.4	6146.3	5992.7	5959.2	5815.2	5661.7	5532.1
-37.5°	5157.9	5162.7	5157.9	5153.1	5114.7	5085.9	4975.6	4932.4	4846.0	4697.3	4620.5
-40°	4299.0	4308.6	4303.8	4294.2	4251.1	4236.7	4164.7	4107.1	4073.5	3968.0	3886.4
-42.5°	3603.3	3617.7	3612.9	3608.1	3579.3	3574.5	3536.1	3469.0	3449.8	3387.4	3301.0
-45°	3075.5	3070.7	3061.1	3070.7	3056.3	3042.0	3018.0	2974.8	2950.8	2922.0	2850.0
-47.5°	2658.1	2662.9	2653.3	2653.3	2634.1	2619.7	2610.1	2581.3	2562.1	2538.2	2495.0
-50°	2312.7	2331.8	2327.0	2322.2	2307.9	2298.3	2298.3	2269.5	2240.7	2231.1	2202.3
-52.5°	2044.0	2058.4	2063.2	2072.7	2077.5	2082.3	2068.0	2039.2	1991.2	1986.4	1972.0
-55°	1799.3	1842.4	1871.2	1890.4	1909.6	1924.0	1895.2	1856.8	1808.9	1789.7	1784.9
-57.5°	1631.3	1674.5	1708.1	1736.9	1760.9	1784.9	1756.1	1717.7	1674.5	1650.5	1645.7
-60°	1477.8	1516.2	1549.8	1588.1	1621.7	1660.1	1645.7	1616.9	1592.9	1573.8	1554.6
-62.5°	1314.7	1353.0	1391.4	1439.4	1482.6	1521.0	1525.8	1521.0	1516.2	1521.0	1487.4
-65°	1180.3	1199.5	1223.5	1276.3	1324.3	1367.4	1391.4	1405.8	1429.8	1453.8	1420.2
-67.5°	1036.4	1060.4	1089.2	1127.5	1165.9	1194.7	1228.3	1266.7	1305.1	1343.4	1319.5
-70°	906.8	926.0	950.0	969.2	993.2	1012.4	1041.2	1084.4	1127.5	1165.9	1156.3
-72.5°	772.5	791.7	806.1	815.7	830.1	839.7	854.0	892.4	921.2	940.4	940.4
-75°	638.1	657.3	671.7	676.5	686.1	690.9	700.5	714.9	729.3	734.1	738.9
-77.5°	489.4	508.6	523.0	532.6	542.2	551.8	556.6	566.2	571.0	571.0	575.8
-80°	364.7	379.0	388.6	403.0	407.8	417.4	427.0	431.8	436.6	436.6	441.4
-82.5°	259.1	268.7	278.3	287.9	297.5	302.3	311.9	316.7	321.5	326.3	331.1
-85°	172.7	182.3	191.9	201.5	206.3	211.1	215.9	220.7	225.5	230.3	235.1
-87.5°	100.8	105.6	110.4	120.0	124.7	134.3	139.1	134.3	139.1	139.1	139.1
-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: P722219
 CATALOG NUMBER: IFLD-L-SA8D-830-U-76

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°	187.1	187.1	187.1	187.1	182.3	172.7	167.9	158.3	148.7	139.1	129.5
85°	388.6	393.4	393.4	393.4	383.8	379.0	364.7	350.3	331.1	302.3	278.3
82.5°	647.7	652.5	652.5	647.7	638.1	623.7	604.6	580.6	542.2	503.8	470.2
80°	974.0	978.8	978.8	974.0	950.0	926.0	902.0	873.2	825.3	772.5	714.9
77.5°	1362.6	1372.2	1372.2	1357.8	1324.3	1295.5	1257.1	1209.1	1137.1	1060.4	983.6
75°	1813.7	1837.6	1842.4	1828.0	1784.9	1732.1	1669.7	1588.1	1477.8	1381.8	1290.7
72.5°	2336.6	2360.6	2379.8	2360.6	2298.3	2226.3	2135.1	2039.2	1928.8	1799.3	1645.7
70°	3022.8	3046.7	3061.1	2998.8	2888.4	2768.5	2658.1	2547.8	2418.2	2259.9	2091.9
67.5°	3886.4	3862.4	3833.6	3708.9	3569.7	3425.8	3272.3	3109.1	2941.2	2773.3	2576.5
65°	4716.5	4649.3	4586.9	4438.2	4260.7	4073.5	3896.0	3713.7	3512.2	3301.0	3113.9
62.5°	5589.7	5445.8	5292.2	5109.9	4927.6	4721.3	4543.7	4327.8	4102.3	3843.2	3603.3
60°	6448.6	6275.8	6122.3	5896.8	5656.9	5378.6	5186.7	4975.6	4711.7	4433.4	4150.3
57.5°	7278.6	7091.5	6923.6	6726.8	6467.7	6165.5	5954.4	5680.9	5402.6	5052.3	4764.4
55°	8161.4	7974.3	7840.0	7619.3	7336.2	7057.9	6827.6	6539.7	6151.1	5776.8	5421.8
52.5°	9173.8	9025.1	8881.2	8655.6	8315.0	8031.9	7777.6	7456.1	7048.3	6587.7	6160.7
50°	10306.2	10229.4	10075.9	9812.0	9423.3	9173.8	8838.0	8410.9	7974.3	7489.7	6957.1
47.5°	11808.0	11683.2	11467.3	11179.4	10853.1	10478.9	10027.9	9528.9	8909.9	8372.6	7806.4
45°	13602.4	13372.1	13093.8	12705.2	12302.1	11879.9	11385.7	10752.4	9922.3	9221.8	8626.9
42.5°	15545.6	15233.7	14854.7	14346.1	13823.1	13304.9	12772.4	11908.7	10872.3	10066.3	9394.5
40°	17575.2	17176.9	16701.9	15963.0	15382.5	14715.6	14106.2	12815.5	11712.0	10838.7	10123.8
37.5°	19561.6	19057.8	18261.3	17364.1	16687.5	16140.6	14801.9	13420.1	12431.7	11472.1	10747.6
35°	21082.5	20655.5	19249.7	18318.9	17738.3	16874.7	15200.2	13784.7	12738.8	11942.3	10814.8
32.5°	21984.6	20881.0	19647.9	18707.5	18227.7	16812.3	15228.9	13890.3	12882.7	11990.3	10642.0
30°	21783.1	20449.2	19369.6	18582.8	17541.6	16270.1	14960.3	13727.2	12748.4	11668.8	10450.1
27.5°	20569.2	19537.6	18573.2	17752.7	16730.7	15588.8	14379.7	13295.3	12383.7	11337.7	10186.2
25°	19196.9	18261.3	17546.4	16831.5	15862.3	14773.1	13708.0	12925.9	12009.5	10977.9	9840.8
22.5°	17935.0	17263.3	16701.9	15953.4	15008.2	14058.2	13396.1	12585.2	11644.8	10598.8	9485.7
20°	17129.0	16673.2	16030.2	15205.0	14461.3	13866.3	13132.2	12273.4	11304.2	10210.2	9183.4
17.5°	16740.3	16212.5	15497.6	14960.3	14389.3	13736.8	12916.3	12004.7	10973.1	10032.7	9217.0
15°	16538.8	15982.2	15512.0	14984.2	14341.3	13655.2	12743.6	11798.4	10973.1	10104.6	9241.0
12.5°	16582.0	16102.2	15588.8	15013.0	14322.1	13588.0	12762.8	11884.7	11030.7	10157.4	9245.8
10°	16716.3	16212.5	15665.6	15027.4	14331.7	13607.2	12815.5	11937.5	11059.5	10181.4	9236.2
7.5°	16764.3	16217.3	15632.0	14989.0	14307.7	13597.6	12825.1	11951.9	11064.3	10176.6	9207.4
5°	16615.6	16121.4	15555.2	14907.5	14240.6	13549.6	12786.7	11932.7	11025.9	10128.6	9135.4
2.5°	16414.1	16015.8	15473.6	14849.9	14173.4	13482.5	12724.4	11846.3	10939.5	10042.3	9044.3
0°	16380.5	15886.3	15339.3	14782.7	14063.0	13333.7	12580.4	11683.2	10781.2	9879.1	8886.0
-2.5°	16159.8	15636.8	15089.8	14485.3	13851.9	13117.8	12326.1	11448.1	10555.7	9668.0	8713.2
-5°	15991.8	15411.3	14830.7	14178.2	13540.0	12805.9	11985.5	11131.4	10258.2	9394.5	8473.3
-7.5°	15766.3	15171.4	14562.0	13880.7	13189.8	12441.3	11630.4	10776.4	9917.5	9058.7	8175.8
-10°	15310.5	14787.5	14216.6	13511.3	12782.0	12033.5	11227.4	10387.7	9528.9	8660.4	7772.8
-12.5°	14758.7	14207.0	13583.2	12935.5	12283.0	11587.2	10781.2	9955.9	9092.3	8219.0	7336.2
-15°	14043.8	13501.7	12863.5	12230.2	11601.6	10934.7	10224.6	9480.9	8602.9	7744.0	6861.2
-17.5°	13151.4	12642.8	12071.8	11467.3	10843.5	10171.8	9480.9	8852.4	8031.9	7225.8	6352.6
-20°	12191.8	11716.8	11203.4	10632.4	10008.7	9351.4	8698.8	8041.5	7331.4	6621.3	5810.4



REPORT NUMBER: P722219

CATALOG NUMBER: IFLD-L-SA8D-830-U-76

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
-22.5°	11193.8	10714.0	10195.8	9663.2	9087.5	8478.1	7873.6	7245.0	6621.3	5978.3	5292.2
-25°	10042.3	9620.0	9145.0	8626.9	8113.5	7580.9	7005.1	6434.2	5901.6	5345.0	4783.6
-27.5°	8838.0	8449.3	8017.5	7566.5	7125.1	6678.9	6179.9	5652.1	5210.7	4750.0	4284.6
-30°	7571.3	7259.4	6909.2	6515.7	6175.1	5815.2	5397.8	4961.2	4558.1	4207.9	3833.6
-32.5°	6371.8	6107.9	5858.4	5599.3	5263.4	4985.2	4697.3	4375.8	4020.7	3689.7	3421.0
-35°	5340.2	5057.1	4951.6	4759.6	4519.7	4275.0	4063.9	3833.6	3564.9	3272.3	3051.5
-37.5°	4471.8	4303.8	4155.1	4049.5	3891.2	3694.5	3526.6	3358.6	3152.3	2931.6	2710.9
-40°	3795.2	3680.1	3517.0	3464.2	3363.4	3229.1	3056.3	2926.8	2787.7	2619.7	2432.6
-42.5°	3253.1	3166.7	3061.1	2970.0	2926.8	2830.8	2696.5	2571.7	2461.4	2346.2	2202.3
-45°	2806.8	2749.3	2682.1	2600.5	2566.9	2490.2	2394.2	2255.1	2192.7	2096.7	1991.2
-47.5°	2447.0	2418.2	2370.2	2317.4	2269.5	2211.9	2125.5	2039.2	1952.8	1890.4	1808.9
-50°	2163.9	2144.7	2115.9	2072.7	2010.4	1972.0	1914.4	1837.6	1756.1	1703.3	1645.7
-52.5°	1938.4	1919.2	1900.0	1866.4	1818.5	1780.1	1732.1	1669.7	1602.5	1549.8	1501.8
-55°	1765.7	1736.9	1722.5	1693.7	1655.3	1612.1	1569.0	1525.8	1468.2	1420.2	1372.2
-57.5°	1631.3	1592.9	1573.8	1549.8	1511.4	1468.2	1434.6	1391.4	1353.0	1300.3	1257.1
-60°	1525.8	1482.6	1444.2	1420.2	1386.6	1343.4	1309.9	1276.3	1237.9	1194.7	1141.9
-62.5°	1439.4	1386.6	1333.9	1305.1	1271.5	1233.1	1199.5	1165.9	1127.5	1084.4	1036.4
-65°	1357.8	1295.5	1228.3	1199.5	1165.9	1127.5	1084.4	1060.4	1026.8	988.4	940.4
-67.5°	1257.1	1189.9	1132.3	1098.7	1065.2	1031.6	993.2	969.2	935.6	887.6	839.7
-70°	1108.3	1065.2	1026.8	998.0	969.2	940.4	902.0	863.6	825.3	782.1	738.9
-72.5°	921.2	906.8	902.0	887.6	854.0	820.5	782.1	743.7	710.1	676.5	642.9
-75°	743.7	753.3	762.9	758.1	724.5	690.9	657.3	623.7	599.8	571.0	542.2
-77.5°	590.2	599.8	609.3	609.3	585.4	566.2	542.2	518.2	499.0	475.0	446.2
-80°	455.8	470.2	484.6	494.2	475.0	460.6	441.4	422.2	403.0	383.8	364.7
-82.5°	345.5	359.9	374.2	383.8	369.4	359.9	345.5	331.1	316.7	297.5	283.1
-85°	249.5	259.1	268.7	273.5	263.9	254.3	244.7	235.1	225.5	211.1	201.5
-87.5°	143.9	148.7	153.5	158.3	148.7	139.1	134.3	124.7	120.0	110.4	105.6
-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: P722219
 CATALOG NUMBER: IFLD-L-SA8D-830-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°	120.0	110.4	100.8	96.0	86.4	72.0	62.4	52.8	43.2	33.6	28.8
85°	254.3	230.3	201.5	187.1	167.9	148.7	129.5	110.4	91.2	72.0	52.8
82.5°	436.6	407.8	379.0	345.5	302.3	249.5	196.7	163.1	134.3	105.6	81.6
80°	657.3	604.6	556.6	513.4	465.4	398.2	326.3	259.1	182.3	139.1	105.6
77.5°	911.6	849.3	782.1	710.1	633.3	542.2	460.6	374.2	283.1	191.9	134.3
75°	1199.5	1117.9	1026.8	926.0	825.3	705.3	590.2	489.4	383.8	268.7	163.1
72.5°	1521.0	1420.2	1309.9	1175.5	1017.2	878.0	738.9	604.6	479.8	340.7	220.7
70°	1933.6	1775.3	1612.1	1468.2	1266.7	1046.0	882.8	729.3	571.0	417.4	278.3
67.5°	2375.0	2183.1	1986.4	1775.3	1521.0	1261.9	1026.8	854.0	666.9	489.4	331.1
65°	2854.8	2614.9	2365.4	2130.3	1780.1	1473.0	1209.1	974.0	758.1	556.6	383.8
62.5°	3349.0	3065.9	2778.1	2471.0	2068.0	1688.9	1381.8	1108.3	844.5	618.9	431.8
60°	3876.8	3545.7	3195.5	2811.6	2341.4	1924.0	1545.0	1247.5	935.6	681.3	484.6
57.5°	4433.4	4073.5	3660.9	3142.7	2624.5	2149.5	1732.1	1372.2	1017.2	738.9	523.0
55°	5037.9	4625.3	4174.3	3488.2	2902.8	2375.0	1919.2	1497.0	1103.5	786.9	561.4
52.5°	5690.5	5210.7	4639.7	3852.8	3195.5	2605.3	2091.9	1607.3	1185.1	839.7	595.0
50°	6419.8	5815.2	5047.5	4188.7	3449.8	2821.2	2264.7	1727.3	1252.3	897.2	623.7
47.5°	7177.9	6525.3	5412.2	4500.6	3708.9	3032.4	2442.2	1832.8	1319.5	945.2	652.5
45°	7969.5	7019.5	5791.2	4778.8	3934.4	3224.3	2576.5	1928.8	1401.0	988.4	676.5
42.5°	8751.6	7393.8	6122.3	5057.1	4145.5	3397.0	2686.9	2020.0	1468.2	1031.6	700.5
40°	9121.1	7676.8	6386.2	5249.0	4323.0	3550.5	2782.9	2101.5	1525.8	1060.4	724.5
37.5°	9274.6	7849.6	6558.9	5431.4	4462.2	3632.1	2864.4	2173.5	1573.8	1089.2	743.7
35°	9308.2	7912.0	6645.3	5556.1	4577.3	3708.9	2926.8	2226.3	1612.1	1117.9	762.9
32.5°	9245.8	7892.8	6669.3	5599.3	4649.3	3766.5	2970.0	2264.7	1640.9	1146.7	782.1
30°	9106.7	7792.0	6582.9	5594.5	4702.1	3800.0	2998.8	2293.5	1669.7	1165.9	791.7
27.5°	8881.2	7614.5	6472.5	5599.3	4730.9	3814.4	3013.2	2307.9	1688.9	1180.3	810.9
25°	8602.9	7374.6	6477.3	5589.7	4735.7	3819.2	3013.2	2307.9	1693.7	1185.1	825.3
22.5°	8281.4	7374.6	6477.3	5575.3	4706.9	3809.6	2998.8	2298.3	1693.7	1194.7	839.7
20°	8300.6	7379.4	6462.9	5546.5	4663.7	3780.8	2965.2	2274.3	1679.3	1209.1	849.3
17.5°	8315.0	7369.8	6434.2	5508.1	4606.1	3732.9	2922.0	2240.7	1679.3	1223.5	854.0
15°	8315.0	7341.0	6391.0	5450.6	4534.1	3665.7	2859.6	2211.9	1684.1	1228.3	863.6
12.5°	8300.6	7288.2	6323.8	5373.8	4447.8	3584.1	2821.2	2202.3	1684.1	1233.1	863.6
10°	8271.8	7216.2	6237.4	5277.8	4366.2	3555.3	2802.0	2183.1	1674.5	1233.1	863.6
7.5°	8219.0	7129.9	6165.5	5220.3	4318.2	3521.8	2773.3	2154.3	1660.1	1223.5	873.2
5°	8137.5	7081.9	6107.9	5153.1	4251.1	3497.8	2754.1	2130.3	1650.5	1223.5	863.6
2.5°	8031.9	7024.3	6040.7	5066.7	4174.3	3416.2	2691.7	2077.5	1616.9	1204.3	854.0
0°	7859.2	6909.2	5925.6	4946.8	4068.7	3334.6	2629.3	2024.8	1583.3	1185.1	844.5
-2.5°	7700.8	6755.6	5776.8	4822.0	3968.0	3262.7	2581.3	1996.0	1569.0	1180.3	839.7
-5°	7480.1	6544.5	5580.1	4658.9	3833.6	3190.7	2533.4	1962.4	1554.6	1170.7	839.7
-7.5°	7235.4	6323.8	5373.8	4491.0	3699.3	3065.9	2442.2	1909.6	1521.0	1151.5	834.9
-10°	6856.4	5992.7	5114.7	4299.0	3555.3	2955.6	2365.4	1861.6	1492.2	1132.3	815.7
-12.5°	6453.3	5628.1	4817.2	4063.9	3392.2	2840.4	2279.1	1808.9	1458.6	1113.1	806.1
-15°	6026.3	5253.8	4505.3	3819.2	3214.7	2701.3	2187.9	1751.3	1425.0	1089.2	791.7
-17.5°	5580.1	4860.4	4183.9	3569.7	3037.2	2557.3	2091.9	1698.5	1386.6	1065.2	777.3
-20°	5109.9	4457.4	3857.6	3315.4	2850.0	2413.4	1991.2	1636.1	1343.4	1036.4	758.1



REPORT NUMBER: P722219

CATALOG NUMBER: IFLD-L-SA8D-830-U-76

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
-22.5°	4644.5	4059.1	3521.8	3065.9	2658.1	2264.7	1890.4	1573.8	1295.5	1002.8	743.7
-25°	4231.9	3684.9	3224.3	2826.0	2471.0	2120.7	1784.9	1511.4	1242.7	969.2	724.5
-27.5°	3828.8	3363.4	2931.6	2600.5	2288.7	1981.6	1684.1	1444.2	1189.9	930.8	705.3
-30°	3454.6	3056.3	2701.3	2379.8	2115.9	1856.8	1597.7	1377.0	1132.3	892.4	681.3
-32.5°	3113.9	2792.5	2495.0	2187.9	1952.8	1732.1	1516.2	1309.9	1074.8	854.0	657.3
-35°	2797.3	2547.8	2288.7	2029.6	1789.7	1616.9	1429.8	1237.9	1022.0	810.9	633.3
-37.5°	2514.2	2312.7	2106.3	1885.6	1679.3	1506.6	1348.2	1165.9	969.2	772.5	609.3
-40°	2269.5	2106.3	1924.0	1746.5	1573.8	1410.6	1266.7	1094.0	916.4	743.7	585.4
-42.5°	2044.0	1919.2	1770.5	1621.7	1468.2	1324.3	1185.1	1017.2	863.6	710.1	561.4
-45°	1871.2	1746.5	1626.5	1492.2	1362.6	1237.9	1098.7	950.0	815.7	671.7	537.4
-47.5°	1708.1	1597.7	1487.4	1377.0	1271.5	1156.3	1017.2	892.4	762.9	638.1	518.2
-50°	1564.2	1458.6	1362.6	1266.7	1175.5	1065.2	935.6	834.9	719.7	604.6	494.2
-52.5°	1429.8	1338.7	1242.7	1165.9	1089.2	978.8	873.2	777.3	676.5	566.2	470.2
-55°	1309.9	1223.5	1137.1	1065.2	993.2	897.2	810.9	729.3	633.3	537.4	446.2
-57.5°	1194.7	1122.7	1041.2	974.0	902.0	825.3	753.3	676.5	590.2	508.6	422.2
-60°	1089.2	1022.0	950.0	882.8	820.5	758.1	690.9	628.5	551.8	475.0	398.2
-62.5°	983.6	926.0	863.6	796.5	748.5	690.9	638.1	575.8	513.4	446.2	355.1
-65°	887.6	834.9	777.3	719.7	676.5	633.3	585.4	527.8	475.0	412.6	316.7
-67.5°	791.7	743.7	695.7	647.7	609.3	575.8	527.8	484.6	441.4	374.2	278.3
-70°	700.5	662.1	618.9	580.6	551.8	513.4	479.8	441.4	403.0	326.3	235.1
-72.5°	614.1	575.8	542.2	513.4	489.4	455.8	427.0	398.2	345.5	273.5	196.7
-75°	513.4	489.4	470.2	446.2	422.2	398.2	374.2	340.7	287.9	220.7	153.5
-77.5°	422.2	407.8	393.4	374.2	355.1	335.9	307.1	273.5	230.3	172.7	124.7
-80°	345.5	331.1	321.5	302.3	287.9	268.7	239.9	211.1	167.9	134.3	100.8
-82.5°	263.9	254.3	244.7	235.1	220.7	201.5	172.7	148.7	124.7	100.8	76.8
-85°	187.1	182.3	172.7	163.1	148.7	134.3	115.2	100.8	86.4	67.2	52.8
-87.5°	96.0	91.2	86.4	81.6	76.8	67.2	57.6	48.0	43.2	33.6	24.0
-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: P722219
 CATALOG NUMBER: IFLD-L-SA8D-830-U-76

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0
87.5°	19.2	14.4	4.8	0.0
85°	38.4	24.0	9.6	0.0
82.5°	57.6	38.4	14.4	0.0
80°	76.8	48.0	24.0	0.0
77.5°	96.0	57.6	28.8	0.0
75°	115.2	72.0	33.6	0.0
72.5°	129.5	81.6	38.4	0.0
70°	153.5	96.0	43.2	0.0
67.5°	191.9	105.6	48.0	0.0
65°	225.5	115.2	52.8	0.0
62.5°	263.9	124.7	57.6	0.0
60°	297.5	134.3	62.4	0.0
57.5°	331.1	158.3	67.2	0.0
55°	359.9	177.5	72.0	0.0
52.5°	393.4	196.7	76.8	0.0
50°	422.2	215.9	81.6	0.0
47.5°	446.2	235.1	81.6	0.0
45°	465.4	249.5	86.4	0.0
42.5°	479.8	263.9	91.2	0.0
40°	494.2	278.3	96.0	0.0
37.5°	508.6	292.7	96.0	0.0
35°	523.0	307.1	100.8	0.0
32.5°	537.4	321.5	100.8	0.0
30°	547.0	331.1	105.6	0.0
27.5°	561.4	340.7	105.6	0.0
25°	566.2	350.3	110.4	0.0
22.5°	575.8	355.1	110.4	0.0
20°	585.4	364.7	110.4	0.0
17.5°	590.2	369.4	115.2	0.0
15°	590.2	374.2	120.0	0.0
12.5°	595.0	379.0	120.0	0.0
10°	595.0	388.6	115.2	0.0
7.5°	604.6	383.8	115.2	0.0
5°	599.8	383.8	115.2	0.0
2.5°	595.0	379.0	115.2	0.0
0°	590.2	379.0	115.2	0.0
-2.5°	590.2	379.0	115.2	0.0
-5°	590.2	379.0	115.2	0.0
-7.5°	585.4	383.8	115.2	0.0
-10°	575.8	383.8	115.2	0.0
-12.5°	571.0	369.4	115.2	0.0
-15°	566.2	364.7	115.2	0.0
-17.5°	556.6	359.9	110.4	0.0
-20°	547.0	355.1	110.4	0.0



REPORT NUMBER: P722219

CATALOG NUMBER: IFLD-L-SA8D-830-U-76

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	537.4	345.5	110.4	0.0
-25°	527.8	335.9	105.6	0.0
-27.5°	518.2	326.3	105.6	0.0
-30°	503.8	316.7	100.8	0.0
-32.5°	489.4	307.1	100.8	0.0
-35°	479.8	292.7	96.0	0.0
-37.5°	465.4	278.3	96.0	0.0
-40°	451.0	263.9	91.2	0.0
-42.5°	436.6	249.5	86.4	0.0
-45°	417.4	235.1	86.4	0.0
-47.5°	403.0	220.7	81.6	0.0
-50°	379.0	201.5	76.8	0.0
-52.5°	350.3	182.3	72.0	0.0
-55°	321.5	167.9	67.2	0.0
-57.5°	292.7	148.7	67.2	0.0
-60°	263.9	129.5	62.4	0.0
-62.5°	235.1	120.0	57.6	0.0
-65°	206.3	110.4	52.8	0.0
-67.5°	172.7	96.0	48.0	0.0
-70°	143.9	86.4	43.2	0.0
-72.5°	124.7	76.8	38.4	0.0
-75°	105.6	67.2	33.6	0.0
-77.5°	91.2	57.6	28.8	0.0
-80°	72.0	43.2	19.2	0.0
-82.5°	52.8	33.6	14.4	0.0
-85°	33.6	24.0	9.6	0.0
-87.5°	19.2	9.6	4.8	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)