

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: P722330

Luminaire Tested: **IFLD-L-SA7D-940-U-76**

Issue Date: 10/26/2023

Test Information

Test Method: LM-79-2019
Report Number: P722330
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7D-940-U-76
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7x6 Flood distribution lens
Light Source: (112) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

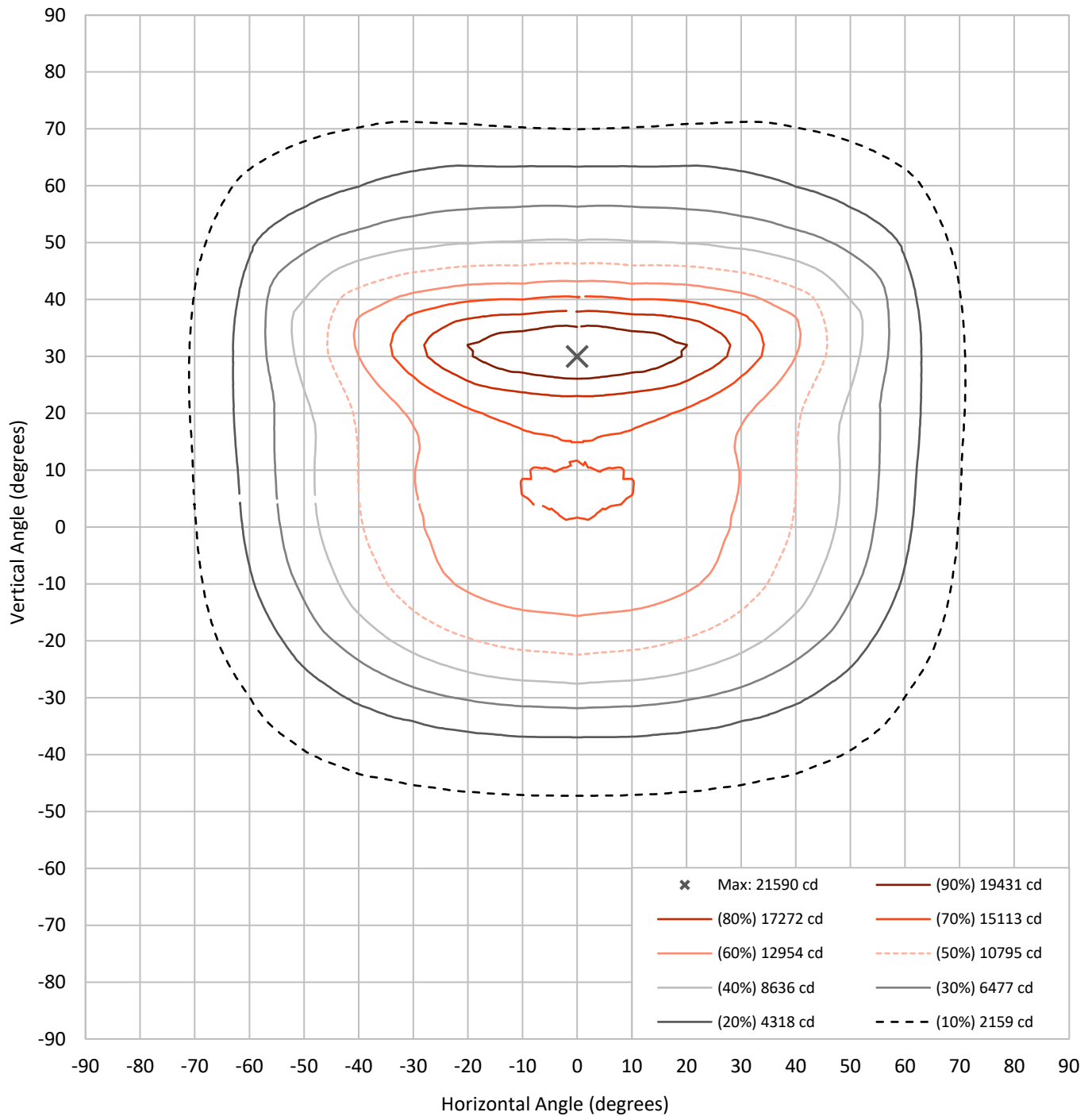
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	36039.1 lumens	Max Intensity:	21590 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	85.3 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:	20957.1 lumens	Field Lumens:	33773.3 lumens
Beam Efficiency:	58.2%	Field Efficiency:	93.7%
Input Watts (W):	422.6		
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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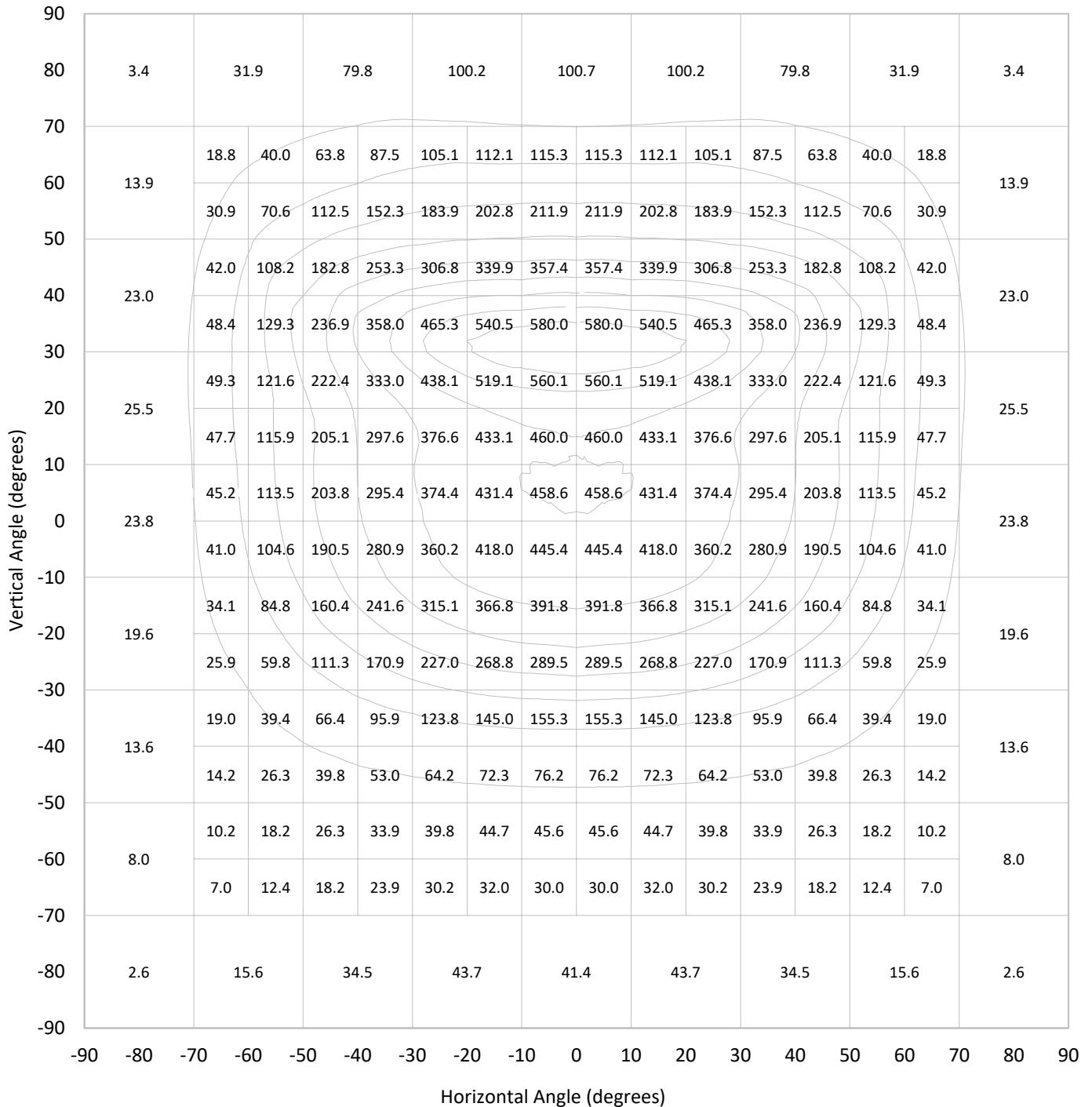
Iso-Candela Plot





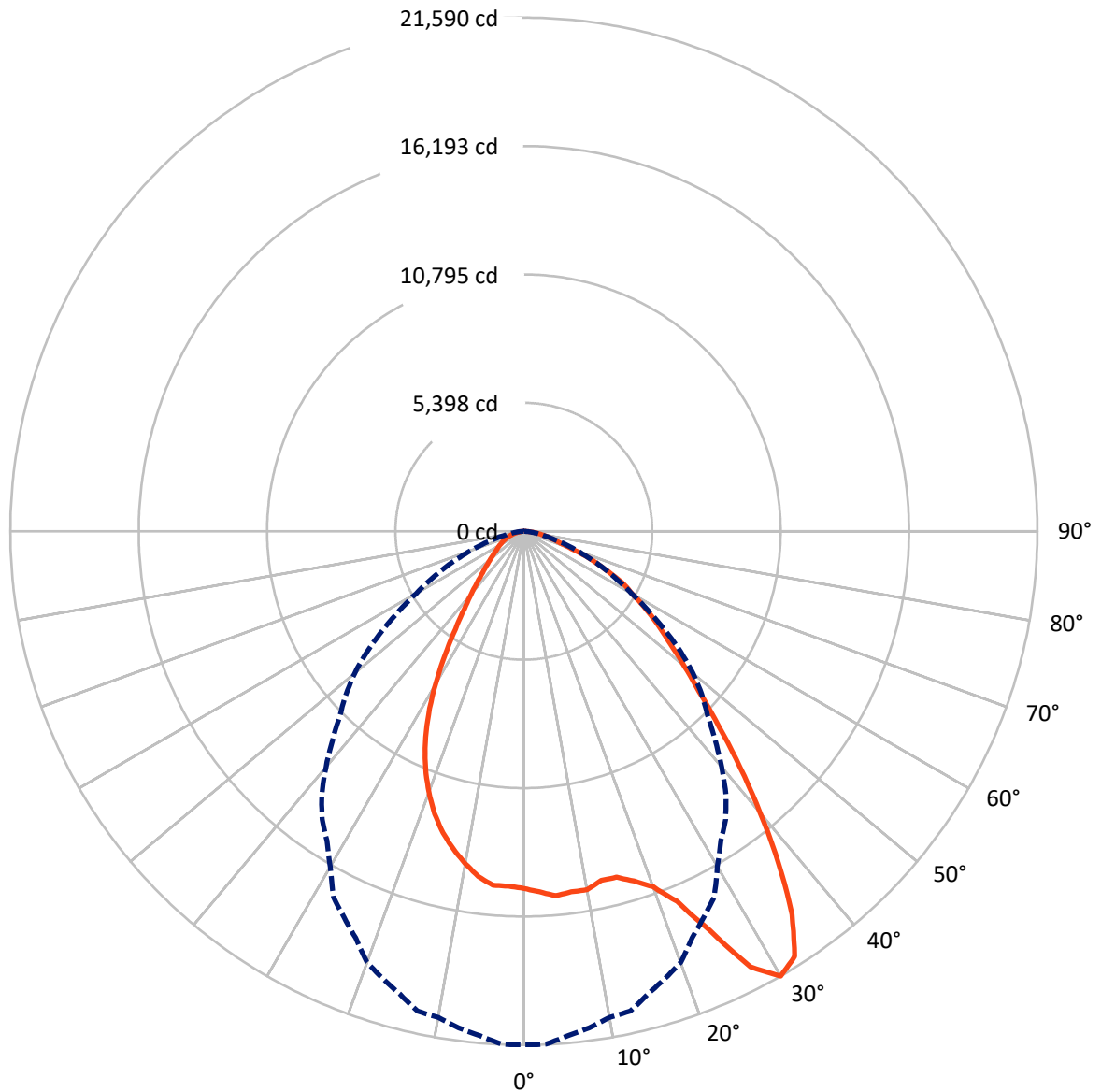
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Lumen Table



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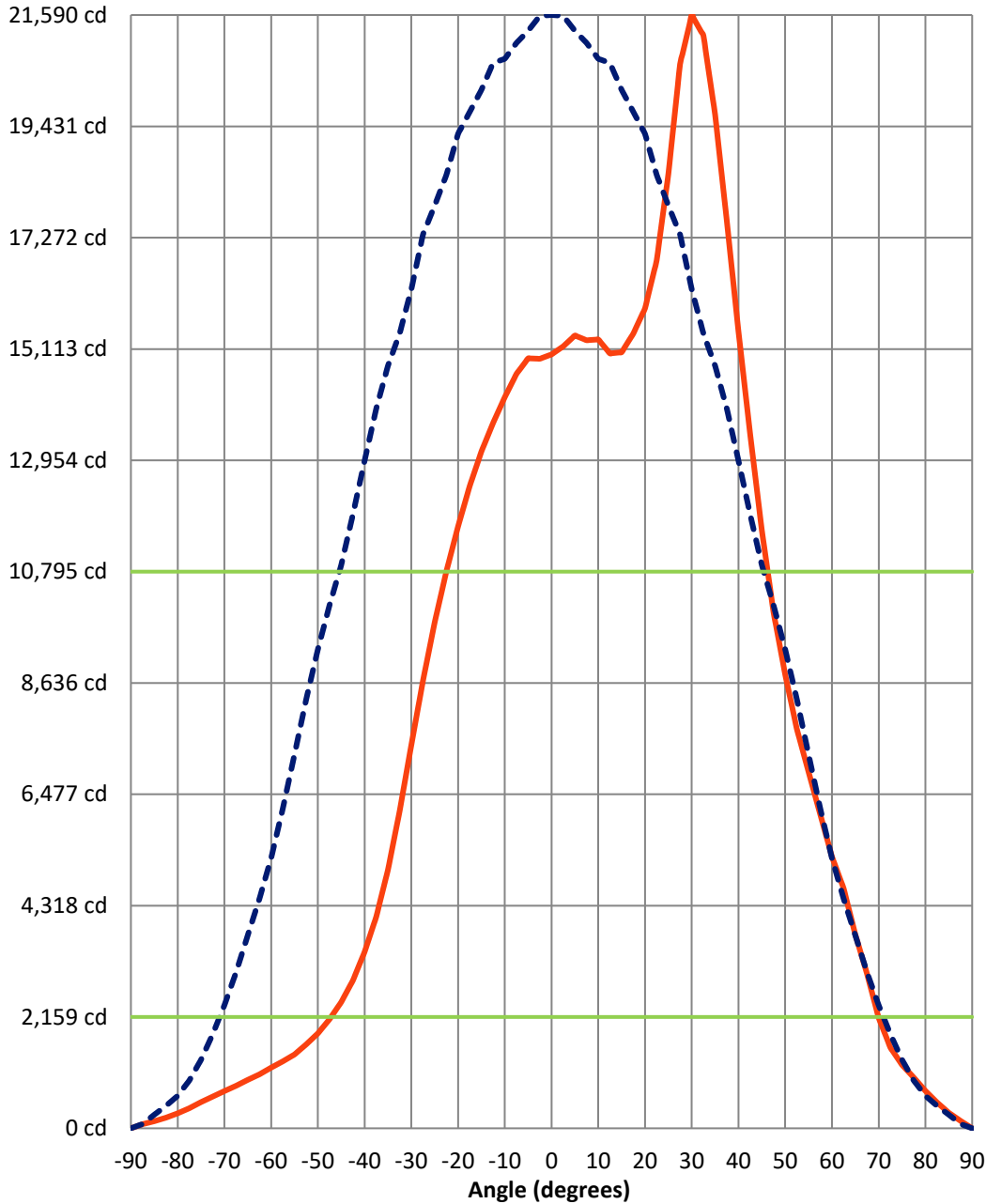
Luminous Intensity Polar Plot



— 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: 20957.1
 Efficiency: 58.2%

Field:
 H Angle: 142°
 V Angle: 117.1°
 Lumens: 33773.3
 Efficiency: 93.7%

Spill:
 Lumens: 2265.8
 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°	145.1	148.9	152.7	152.7	148.9	148.9	148.9	145.1	148.9	148.9	148.9
85°	301.6	309.2	316.9	313.1	309.2	301.6	294.0	297.8	301.6	305.4	305.4
82.5°	500.1	511.6	519.2	515.4	507.8	500.1	492.5	496.3	504.0	507.8	507.8
80°	725.4	729.2	733.0	740.7	729.2	729.2	725.4	740.7	748.3	755.9	763.6
77.5°	985.0	988.8	988.8	992.6	996.5	1000.3	1000.3	1027.0	1046.1	1057.5	1069.0
75°	1229.3	1240.8	1252.3	1263.7	1279.0	1286.6	1298.1	1336.2	1366.8	1389.7	1412.6
72.5°	1565.3	1580.6	1599.7	1626.4	1653.1	1672.2	1698.9	1744.8	1779.1	1802.0	1828.8
70°	2141.8	2157.1	2176.2	2195.3	2222.0	2241.1	2267.8	2325.1	2359.4	2374.7	2390.0
67.5°	2997.0	3035.2	3069.6	3031.4	3012.3	2985.6	2993.2	3046.6	3081.0	3103.9	3100.1
65°	3756.8	3783.5	3783.5	3779.7	3764.4	3730.0	3749.1	3814.0	3852.2	3871.3	3814.0
62.5°	4650.1	4650.1	4631.1	4661.6	4665.4	4642.5	4631.1	4634.9	4638.7	4650.1	4554.7
60°	5268.6	5306.8	5318.3	5345.0	5352.6	5352.6	5371.7	5387.0	5387.0	5364.1	5253.4
57.5°	6085.7	6158.2	6173.5	6154.4	6116.2	6066.6	6058.9	6036.0	5990.2	5944.4	5890.9
55°	6910.3	6948.5	6944.7	6933.2	6895.0	6837.8	6845.4	6814.9	6742.3	6685.1	6612.5
52.5°	7738.8	7830.4	7845.7	7822.8	7769.3	7708.2	7712.1	7677.7	7605.2	7544.1	7444.8
50°	8796.3	8872.7	8865.1	8826.9	8750.5	8704.7	8708.5	8643.6	8559.6	8540.5	8410.7
47.5°	10006.6	10094.4	10079.1	10025.7	9922.6	9903.5	9922.6	9838.6	9789.0	9747.0	9594.3
45°	11594.8	11697.9	11640.6	11537.6	11373.4	11392.5	11419.2	11403.9	11297.0	11186.3	10991.6
42.5°	13457.9	13522.8	13454.1	13351.0	13144.9	13183.0	13167.8	13076.1	13011.2	12828.0	12579.8
40°	15450.9	15592.1	15485.2	15324.9	15111.1	15168.3	15126.3	15008.0	14855.3	14626.2	14313.1
37.5°	17600.3	17711.0	17588.9	17401.8	17210.9	17191.8	17107.8	16924.5	16706.9	16454.9	15954.8
35°	19658.1	19944.5	19719.2	19421.4	19188.5	19100.7	19020.5	18596.8	18348.6	17940.1	17256.7
32.5°	21189.1	21399.1	21120.4	20811.1	20528.6	20406.4	20123.9	19619.9	19486.3	18627.3	18001.2
30°	21590.0	21574.7	21284.5	21047.8	20742.4	20658.4	20139.2	19711.6	19284.0	18489.9	17894.3
27.5°	20635.5	20540.1	20261.3	20055.2	19753.6	19654.3	19142.7	18913.6	18253.2	17581.2	17077.3
25°	18509.0	18558.6	18348.6	18245.5	18047.0	17833.2	17630.8	17321.6	16909.3	16321.3	15859.4
22.5°	16832.9	16897.8	16810.0	16687.8	16535.1	16416.8	16264.1	16023.5	15626.5	15263.8	14828.5
20°	15901.4	15882.3	15805.9	15714.3	15569.2	15485.2	15317.2	15114.9	14809.5	14496.4	14026.8
17.5°	15412.7	15294.3	15221.8	15187.4	15111.1	15004.2	14805.6	14599.5	14362.8	14007.7	13664.1
15°	15050.0	15069.1	15011.8	14985.1	14924.0	14775.1	14572.7	14404.8	14084.1	13904.6	13591.6
12.5°	15027.1	15008.0	15011.8	15000.3	14924.0	14733.1	14630.0	14416.2	14210.1	13973.3	13614.5
10°	15298.1	15095.8	15111.1	15164.5	15042.3	14889.6	14778.9	14546.0	14351.3	14049.7	13694.6
7.5°	15282.9	15179.8	15210.3	15122.5	15160.7	14973.6	14820.9	14588.0	14343.7	14023.0	13702.3
5°	15374.5	15218.0	15191.2	15198.9	15103.4	14962.2	14756.0	14534.6	14305.5	13946.6	13618.3
2.5°	15164.5	15187.4	15065.3	15019.4	15008.0	14771.3	14580.4	14366.6	14129.9	13813.0	13519.0
0°	15008.0	15050.0	14924.0	14859.1	14855.3	14652.9	14530.8	14286.4	14118.4	13855.0	13499.9
-2.5°	14924.0	14973.6	14988.9	14870.5	14756.0	14599.5	14393.3	14129.9	13855.0	13549.6	13244.1
-5°	14931.6	14832.4	14790.4	14828.5	14729.3	14572.7	14343.7	14110.8	13839.7	13511.4	13129.6
-7.5°	14630.0	14530.8	14523.1	14504.0	14481.1	14332.2	14141.3	13889.4	13614.5	13309.0	12954.0
-10°	14179.5	14107.0	14087.9	14068.8	14007.7	13919.9	13740.5	13511.4	13263.2	12957.8	12579.8
-12.5°	13679.4	13645.0	13572.5	13522.8	13461.8	13358.7	13186.9	12976.9	12728.7	12457.7	12133.1
-15°	13125.8	13060.9	12988.3	12946.3	12858.5	12736.4	12564.6	12369.8	12098.8	11831.5	11526.1
-17.5°	12457.7	12377.5	12297.3	12285.9	12224.8	12037.7	11877.3	11640.6	11403.9	11148.1	10850.3
-20°	11671.2	11560.5	11507.0	11476.5	11392.5	11255.0	11083.2	10865.6	10636.5	10392.2	10048.6



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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°	10800.7	10705.3	10613.6	10556.4	10483.8	10376.9	10212.8	10021.9	9796.6	9521.7	9204.8
-25°	9811.9	9678.3	9621.0	9556.1	9517.9	9418.6	9258.3	9082.7	8849.8	8582.5	8280.9
-27.5°	8681.8	8574.9	8544.4	8452.7	8406.9	8303.8	8170.2	8006.0	7792.2	7540.3	7292.1
-30°	7433.4	7368.5	7318.8	7227.2	7192.8	7082.1	6994.3	6856.9	6662.2	6482.7	6284.2
-32.5°	6150.6	6085.7	6070.4	6028.4	6005.5	5932.9	5833.7	5734.4	5577.9	5444.3	5283.9
-35°	5012.8	4967.0	4970.8	4967.0	4944.1	4890.7	4768.5	4741.8	4627.2	4505.1	4402.0
-37.5°	4104.2	4108.0	4104.2	4100.4	4069.8	4046.9	3959.1	3924.8	3856.0	3737.7	3676.6
-40°	3420.8	3428.4	3424.6	3417.0	3382.6	3371.2	3313.9	3268.1	3241.4	3157.4	3092.5
-42.5°	2867.2	2878.7	2874.8	2871.0	2848.1	2844.3	2813.8	2760.3	2745.0	2695.4	2626.7
-45°	2447.2	2443.4	2435.8	2443.4	2432.0	2420.5	2401.4	2367.1	2348.0	2325.1	2267.8
-47.5°	2115.1	2118.9	2111.3	2111.3	2096.0	2084.5	2076.9	2054.0	2038.7	2019.6	1985.3
-50°	1840.2	1855.5	1851.7	1847.8	1836.4	1828.8	1828.8	1805.8	1782.9	1775.3	1752.4
-52.5°	1626.4	1637.9	1641.7	1649.3	1653.1	1656.9	1645.5	1622.6	1584.4	1580.6	1569.1
-55°	1431.7	1466.1	1489.0	1504.2	1519.5	1531.0	1508.1	1477.5	1439.3	1424.1	1420.2
-57.5°	1298.1	1332.4	1359.2	1382.1	1401.2	1420.2	1397.3	1366.8	1332.4	1313.3	1309.5
-60°	1175.9	1206.4	1233.2	1263.7	1290.4	1321.0	1309.5	1286.6	1267.5	1252.3	1237.0
-62.5°	1046.1	1076.6	1107.2	1145.4	1179.7	1210.3	1214.1	1210.3	1206.4	1210.3	1183.5
-65°	939.2	954.5	973.6	1015.5	1053.7	1088.1	1107.2	1118.6	1137.7	1156.8	1130.1
-67.5°	824.7	843.7	866.7	897.2	927.7	950.6	977.4	1007.9	1038.5	1069.0	1049.9
-70°	721.6	736.8	755.9	771.2	790.3	805.6	828.5	862.8	897.2	927.7	920.1
-72.5°	614.7	629.9	641.4	649.0	660.5	668.1	679.6	710.1	733.0	748.3	748.3
-75°	507.8	523.0	534.5	538.3	546.0	549.8	557.4	568.9	580.3	584.1	587.9
-77.5°	389.4	404.7	416.1	423.8	431.4	439.1	442.9	450.5	454.3	454.3	458.1
-80°	290.2	301.6	309.2	320.7	324.5	332.2	339.8	343.6	347.4	347.4	351.2
-82.5°	206.2	213.8	221.4	229.1	236.7	240.5	248.2	252.0	255.8	259.6	263.4
-85°	137.4	145.1	152.7	160.3	164.2	168.0	171.8	175.6	179.4	183.3	187.1
-87.5°	80.2	84.0	87.8	95.4	99.3	106.9	110.7	106.9	110.7	110.7	110.7
-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°	148.9	148.9	148.9	148.9	145.1	137.4	133.6	126.0	118.4	110.7	103.1
85°	309.2	313.1	313.1	313.1	305.4	301.6	290.2	278.7	263.4	240.5	221.4
82.5°	515.4	519.2	519.2	515.4	507.8	496.3	481.0	462.0	431.4	400.9	374.1
80°	775.0	778.8	778.8	775.0	755.9	736.8	717.8	694.8	656.7	614.7	568.9
77.5°	1084.3	1091.9	1091.9	1080.5	1053.7	1030.8	1000.3	962.1	904.8	843.7	782.7
75°	1443.1	1462.2	1466.1	1454.6	1420.2	1378.2	1328.6	1263.7	1175.9	1099.5	1027.0
72.5°	1859.3	1878.4	1893.7	1878.4	1828.8	1771.5	1698.9	1622.6	1534.8	1431.7	1309.5
70°	2405.2	2424.3	2435.8	2386.2	2298.3	2202.9	2115.1	2027.3	1924.2	1798.2	1664.6
67.5°	3092.5	3073.4	3050.5	2951.2	2840.5	2725.9	2603.8	2474.0	2340.3	2206.7	2050.2
65°	3753.0	3699.5	3649.9	3531.5	3390.3	3241.4	3100.1	2955.0	2794.7	2626.7	2477.8
62.5°	4447.8	4333.3	4211.1	4066.0	3920.9	3756.8	3615.5	3443.7	3264.3	3058.1	2867.2
60°	5131.2	4993.8	4871.6	4692.1	4501.2	4279.8	4127.1	3959.1	3749.1	3527.7	3302.4
57.5°	5791.7	5642.8	5509.2	5352.6	5146.5	4905.9	4738.0	4520.3	4298.9	4020.2	3791.1
55°	6494.2	6345.3	6238.4	6062.8	5837.5	5616.1	5432.8	5203.7	4894.5	4596.7	4314.2
52.5°	7299.7	7181.4	7066.8	6887.4	6616.3	6391.1	6188.7	5932.9	5608.4	5241.9	4902.1
50°	8200.7	8139.7	8017.5	7807.5	7498.3	7299.7	7032.5	6692.7	6345.3	5959.7	5535.9
47.5°	9395.7	9296.5	9124.7	8895.6	8636.0	8338.2	7979.3	7582.3	7089.8	6662.2	6211.6
45°	10823.6	10640.4	10418.9	10109.7	9789.0	9453.0	9059.8	8555.8	7895.3	7337.9	6864.5
42.5°	12369.8	12121.7	11820.1	11415.4	10999.2	10586.9	10163.1	9475.9	8651.3	8009.9	7475.4
40°	13984.8	13667.9	13289.9	12702.0	12240.0	11709.4	11224.5	10197.5	9319.4	8624.5	8055.7
37.5°	15565.4	15164.5	14530.8	13816.8	13278.5	12843.3	11778.1	10678.5	9892.1	9128.5	8552.0
35°	16775.6	16435.9	15317.2	14576.6	14114.6	13427.4	12095.0	10968.7	10136.4	9502.6	8605.4
32.5°	17493.4	16615.3	15634.1	14885.8	14504.0	13377.8	12117.9	11052.7	10250.9	9540.8	8468.0
30°	17333.1	16271.7	15412.7	14786.5	13958.1	12946.3	11904.1	10922.9	10144.0	9285.0	8315.3
27.5°	16367.1	15546.3	14778.9	14126.1	13312.9	12404.2	11442.1	10579.3	9853.9	9021.6	8105.3
25°	15275.2	14530.8	13961.9	13393.0	12621.8	11755.2	10907.6	10285.3	9556.1	8735.2	7830.4
22.5°	14271.1	13736.6	13289.9	12694.4	11942.2	11186.3	10659.4	10014.2	9265.9	8433.6	7547.9
20°	13629.7	13267.0	12755.4	12098.8	11507.0	11033.6	10449.5	9766.1	8994.9	8124.4	7307.4
17.5°	13320.5	12900.5	12331.7	11904.1	11449.7	10930.5	10277.7	9552.3	8731.4	7983.1	7334.1
15°	13160.1	12717.3	12343.1	11923.2	11411.6	10865.6	10140.2	9388.1	8731.4	8040.4	7353.2
12.5°	13194.5	12812.7	12404.2	11946.1	11396.3	10812.2	10155.5	9456.8	8777.2	8082.4	7357.0
10°	13301.4	12900.5	12465.3	11957.5	11403.9	10827.4	10197.5	9498.8	8800.2	8101.5	7349.4
7.5°	13339.6	12904.3	12438.6	11927.0	11384.8	10819.8	10205.1	9510.3	8804.0	8097.7	7326.5
5°	13221.2	12828.0	12377.5	11862.1	11331.4	10781.6	10174.6	9495.0	8773.4	8059.5	7269.2
2.5°	13060.9	12744.0	12312.6	11816.3	11277.9	10728.2	10124.9	9426.3	8704.7	7990.8	7196.7
0°	13034.2	12640.9	12205.7	11762.8	11190.1	10609.8	10010.4	9296.5	8578.7	7861.0	7070.7
-2.5°	12858.5	12442.4	12007.1	11526.1	11022.1	10438.0	9808.1	9109.4	8399.3	7693.0	6933.2
-5°	12724.9	12262.9	11801.0	11281.8	10774.0	10189.9	9537.0	8857.4	8162.6	7475.4	6742.3
-7.5°	12545.5	12072.1	11587.2	11045.1	10495.3	9899.7	9254.5	8574.9	7891.5	7208.1	6505.6
-10°	12182.8	11766.6	11312.3	10751.1	10170.8	9575.2	8933.8	8265.7	7582.3	6891.2	6184.9
-12.5°	11743.7	11304.7	10808.3	10292.9	9773.7	9220.1	8578.7	7922.0	7234.8	6540.0	5837.5
-15°	11174.9	10743.4	10235.7	9731.7	9231.6	8700.9	8135.8	7544.1	6845.4	6162.0	5459.5
-17.5°	10464.7	10060.0	9605.7	9124.7	8628.3	8093.8	7544.1	7043.9	6391.1	5749.7	5054.8
-20°	9701.2	9323.2	8914.7	8460.4	7964.0	7441.0	6921.8	6398.7	5833.7	5268.6	4623.4



REPORT NUMBER: P722330
 CATALOG NUMBER: IFLD-L-SA7D-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°	8907.1	8525.3	8112.9	7689.2	7231.0	6746.1	6265.1	5765.0	5268.6	4757.0	4211.1
-25°	7990.8	7654.8	7276.8	6864.5	6456.0	6032.2	5574.1	5119.7	4696.0	4253.1	3806.4
-27.5°	7032.5	6723.2	6379.6	6020.8	5669.5	5314.5	4917.4	4497.4	4146.2	3779.7	3409.3
-30°	6024.6	5776.4	5497.7	5184.6	4913.6	4627.2	4295.1	3947.7	3627.0	3348.3	3050.5
-32.5°	5070.1	4860.1	4661.6	4455.4	4188.2	3966.7	3737.7	3481.9	3199.4	2935.9	2722.1
-35°	4249.3	4024.0	3940.0	3787.3	3596.4	3401.7	3233.7	3050.5	2836.7	2603.8	2428.2
-37.5°	3558.2	3424.6	3306.3	3222.3	3096.3	2939.7	2806.1	2672.5	2508.3	2332.7	2157.1
-40°	3019.9	2928.3	2798.5	2756.5	2676.3	2569.4	2432.0	2328.9	2218.2	2084.5	1935.7
-42.5°	2588.5	2519.8	2435.8	2363.3	2328.9	2252.5	2145.6	2046.4	1958.6	1866.9	1752.4
-45°	2233.4	2187.6	2134.2	2069.3	2042.6	1981.5	1905.1	1794.4	1744.8	1668.4	1584.4
-47.5°	1947.1	1924.2	1886.0	1844.0	1805.8	1760.0	1691.3	1622.6	1553.9	1504.2	1439.3
-50°	1721.9	1706.6	1683.7	1649.3	1599.7	1569.1	1523.3	1462.2	1397.3	1355.3	1309.5
-52.5°	1542.4	1527.1	1511.9	1485.1	1447.0	1416.4	1378.2	1328.6	1275.2	1233.2	1195.0
-55°	1405.0	1382.1	1370.6	1347.7	1317.2	1282.8	1248.4	1214.1	1168.3	1130.1	1091.9
-57.5°	1298.1	1267.5	1252.3	1233.2	1202.6	1168.3	1141.5	1107.2	1076.6	1034.6	1000.3
-60°	1214.1	1179.7	1149.2	1130.1	1103.4	1069.0	1042.3	1015.5	985.0	950.6	908.6
-62.5°	1145.4	1103.4	1061.4	1038.5	1011.7	981.2	954.5	927.7	897.2	862.8	824.7
-65°	1080.5	1030.8	977.4	954.5	927.7	897.2	862.8	843.7	817.0	786.5	748.3
-67.5°	1000.3	946.8	901.0	874.3	847.6	820.8	790.3	771.2	744.5	706.3	668.1
-70°	881.9	847.6	817.0	794.1	771.2	748.3	717.8	687.2	656.7	622.3	587.9
-72.5°	733.0	721.6	717.8	706.3	679.6	652.9	622.3	591.8	565.0	538.3	511.6
-75°	591.8	599.4	607.0	603.2	576.5	549.8	523.0	496.3	477.2	454.3	431.4
-77.5°	469.6	477.2	484.9	484.9	465.8	450.5	431.4	412.3	397.1	378.0	355.1
-80°	362.7	374.1	385.6	393.2	378.0	366.5	351.2	336.0	320.7	305.4	290.2
-82.5°	274.9	286.3	297.8	305.4	294.0	286.3	274.9	263.4	252.0	236.7	225.3
-85°	198.5	206.2	213.8	217.6	210.0	202.3	194.7	187.1	179.4	168.0	160.3
-87.5°	114.5	118.4	122.2	126.0	118.4	110.7	106.9	99.3	95.4	87.8	84.0
-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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 CATALOG NUMBER: IFLD-L-SA7D-940-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°	95.4	87.8	80.2	76.4	68.7	57.3	49.6	42.0	34.4	26.7	22.9
85°	202.3	183.3	160.3	148.9	133.6	118.4	103.1	87.8	72.5	57.3	42.0
82.5°	347.4	324.5	301.6	274.9	240.5	198.5	156.5	129.8	106.9	84.0	64.9
80°	523.0	481.0	442.9	408.5	370.3	316.9	259.6	206.2	145.1	110.7	84.0
77.5°	725.4	675.8	622.3	565.0	504.0	431.4	366.5	297.8	225.3	152.7	106.9
75°	954.5	889.6	817.0	736.8	656.7	561.2	469.6	389.4	305.4	213.8	129.8
72.5°	1210.3	1130.1	1042.3	935.4	809.4	698.7	587.9	481.0	381.8	271.1	175.6
70°	1538.6	1412.6	1282.8	1168.3	1007.9	832.3	702.5	580.3	454.3	332.2	221.4
67.5°	1889.8	1737.1	1580.6	1412.6	1210.3	1004.1	817.0	679.6	530.7	389.4	263.4
65°	2271.6	2080.7	1882.2	1695.1	1416.4	1172.1	962.1	775.0	603.2	442.9	305.4
62.5°	2664.9	2439.6	2210.5	1966.2	1645.5	1343.9	1099.5	881.9	671.9	492.5	343.6
60°	3084.8	2821.4	2542.7	2237.3	1863.1	1531.0	1229.3	992.6	744.5	542.1	385.6
57.5°	3527.7	3241.4	2913.0	2500.7	2088.4	1710.4	1378.2	1091.9	809.4	587.9	416.1
55°	4008.7	3680.4	3321.5	2775.6	2309.8	1889.8	1527.1	1191.2	878.1	626.1	446.7
52.5°	4528.0	4146.2	3691.9	3065.7	2542.7	2073.1	1664.6	1279.0	943.0	668.1	473.4
50°	5108.3	4627.2	4016.4	3333.0	2745.0	2244.9	1802.0	1374.4	996.5	713.9	496.3
47.5°	5711.5	5192.3	4306.5	3581.1	2951.2	2412.9	1943.3	1458.4	1049.9	752.1	519.2
45°	6341.5	5585.5	4608.1	3802.6	3130.6	2565.6	2050.2	1534.8	1114.8	786.5	538.3
42.5°	6963.8	5883.3	4871.6	4024.0	3298.6	2703.0	2138.0	1607.3	1168.3	820.8	557.4
40°	7257.7	6108.6	5081.6	4176.7	3439.9	2825.2	2214.4	1672.2	1214.1	843.7	576.5
37.5°	7379.9	6246.0	5219.0	4321.8	3550.6	2890.1	2279.3	1729.5	1252.3	866.7	591.8
35°	7406.6	6295.6	5287.7	4421.1	3642.2	2951.2	2328.9	1771.5	1282.8	889.6	607.0
32.5°	7357.0	6280.4	5306.8	4455.4	3699.5	2997.0	2363.3	1802.0	1305.7	912.5	622.3
30°	7246.3	6200.2	5238.1	4451.6	3741.5	3023.7	2386.2	1824.9	1328.6	927.7	629.9
27.5°	7066.8	6058.9	5150.3	4455.4	3764.4	3035.2	2397.6	1836.4	1343.9	939.2	645.2
25°	6845.4	5868.0	5154.1	4447.8	3768.2	3039.0	2397.6	1836.4	1347.7	943.0	656.7
22.5°	6589.6	5868.0	5154.1	4436.3	3745.3	3031.4	2386.2	1828.8	1347.7	950.6	668.1
20°	6604.9	5871.9	5142.6	4413.4	3711.0	3008.5	2359.4	1809.7	1336.2	962.1	675.8
17.5°	6616.3	5864.2	5119.7	4382.9	3665.1	2970.3	2325.1	1782.9	1336.2	973.6	679.6
15°	6616.3	5841.3	5085.4	4337.1	3607.9	2916.8	2275.4	1760.0	1340.1	977.4	687.2
12.5°	6604.9	5799.3	5031.9	4276.0	3539.2	2851.9	2244.9	1752.4	1340.1	981.2	687.2
10°	6582.0	5742.1	4963.2	4199.6	3474.2	2829.0	2229.6	1737.1	1332.4	981.2	687.2
7.5°	6540.0	5673.3	4905.9	4153.8	3436.1	2802.3	2206.7	1714.2	1321.0	973.6	694.8
5°	6475.1	5635.2	4860.1	4100.4	3382.6	2783.2	2191.4	1695.1	1313.3	973.6	687.2
2.5°	6391.1	5589.3	4806.7	4031.7	3321.5	2718.3	2141.8	1653.1	1286.6	958.3	679.6
0°	6253.6	5497.7	4715.0	3936.2	3237.5	2653.4	2092.2	1611.1	1259.9	943.0	671.9
-2.5°	6127.7	5375.5	4596.7	3836.9	3157.4	2596.1	2054.0	1588.2	1248.4	939.2	668.1
-5°	5952.0	5207.6	4440.2	3707.1	3050.5	2538.9	2015.8	1561.5	1237.0	931.6	668.1
-7.5°	5757.3	5031.9	4276.0	3573.5	2943.6	2439.6	1943.3	1519.5	1210.3	916.3	664.3
-10°	5455.7	4768.5	4069.8	3420.8	2829.0	2351.8	1882.2	1481.3	1187.4	901.0	649.0
-12.5°	5135.0	4478.3	3833.1	3233.7	2699.2	2260.2	1813.5	1439.3	1160.6	885.7	641.4
-15°	4795.2	4180.5	3585.0	3039.0	2558.0	2149.5	1740.9	1393.5	1133.9	866.7	629.9
-17.5°	4440.2	3867.5	3329.2	2840.5	2416.7	2034.9	1664.6	1351.5	1103.4	847.6	618.5
-20°	4066.0	3546.8	3069.6	2638.1	2267.8	1920.4	1584.4	1301.9	1069.0	824.7	603.2



REPORT NUMBER: P722330

CATALOG NUMBER: IFLD-L-SA7D-940-U-76

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
-22.5°	3695.7	3229.9	2802.3	2439.6	2115.1	1802.0	1504.2	1252.3	1030.8	797.9	591.8
-25°	3367.3	2932.1	2565.6	2248.7	1966.2	1687.5	1420.2	1202.6	988.8	771.2	576.5
-27.5°	3046.6	2676.3	2332.7	2069.3	1821.1	1576.8	1340.1	1149.2	946.8	740.7	561.2
-30°	2748.9	2432.0	2149.5	1893.7	1683.7	1477.5	1271.3	1095.7	901.0	710.1	542.1
-32.5°	2477.8	2222.0	1985.3	1740.9	1553.9	1378.2	1206.4	1042.3	855.2	679.6	523.0
-35°	2225.8	2027.3	1821.1	1615.0	1424.1	1286.6	1137.7	985.0	813.2	645.2	504.0
-37.5°	2000.6	1840.2	1676.0	1500.4	1336.2	1198.8	1072.8	927.7	771.2	614.7	484.9
-40°	1805.8	1676.0	1531.0	1389.7	1252.3	1122.4	1007.9	870.5	729.2	591.8	465.8
-42.5°	1626.4	1527.1	1408.8	1290.4	1168.3	1053.7	943.0	809.4	687.2	565.0	446.7
-45°	1489.0	1389.7	1294.3	1187.4	1084.3	985.0	874.3	755.9	649.0	534.5	427.6
-47.5°	1359.2	1271.3	1183.5	1095.7	1011.7	920.1	809.4	710.1	607.0	507.8	412.3
-50°	1244.6	1160.6	1084.3	1007.9	935.4	847.6	744.5	664.3	572.7	481.0	393.2
-52.5°	1137.7	1065.2	988.8	927.7	866.7	778.8	694.8	618.5	538.3	450.5	374.1
-55°	1042.3	973.6	904.8	847.6	790.3	713.9	645.2	580.3	504.0	427.6	355.1
-57.5°	950.6	893.4	828.5	775.0	717.8	656.7	599.4	538.3	469.6	404.7	336.0
-60°	866.7	813.2	755.9	702.5	652.9	603.2	549.8	500.1	439.1	378.0	316.9
-62.5°	782.7	736.8	687.2	633.8	595.6	549.8	507.8	458.1	408.5	355.1	282.5
-65°	706.3	664.3	618.5	572.7	538.3	504.0	465.8	420.0	378.0	328.3	252.0
-67.5°	629.9	591.8	553.6	515.4	484.9	458.1	420.0	385.6	351.2	297.8	221.4
-70°	557.4	526.9	492.5	462.0	439.1	408.5	381.8	351.2	320.7	259.6	187.1
-72.5°	488.7	458.1	431.4	408.5	389.4	362.7	339.8	316.9	274.9	217.6	156.5
-75°	408.5	389.4	374.1	355.1	336.0	316.9	297.8	271.1	229.1	175.6	122.2
-77.5°	336.0	324.5	313.1	297.8	282.5	267.2	244.3	217.6	183.3	137.4	99.3
-80°	274.9	263.4	255.8	240.5	229.1	213.8	190.9	168.0	133.6	106.9	80.2
-82.5°	210.0	202.3	194.7	187.1	175.6	160.3	137.4	118.4	99.3	80.2	61.1
-85°	148.9	145.1	137.4	129.8	118.4	106.9	91.6	80.2	68.7	53.4	42.0
-87.5°	76.4	72.5	68.7	64.9	61.1	53.4	45.8	38.2	34.4	26.7	19.1
-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: P722330
 CATALOG NUMBER: IFLD-L-SA7D-940-U-76

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0
87.5°	15.3	11.5	3.8	0.0
85°	30.5	19.1	7.6	0.0
82.5°	45.8	30.5	11.5	0.0
80°	61.1	38.2	19.1	0.0
77.5°	76.4	45.8	22.9	0.0
75°	91.6	57.3	26.7	0.0
72.5°	103.1	64.9	30.5	0.0
70°	122.2	76.4	34.4	0.0
67.5°	152.7	84.0	38.2	0.0
65°	179.4	91.6	42.0	0.0
62.5°	210.0	99.3	45.8	0.0
60°	236.7	106.9	49.6	0.0
57.5°	263.4	126.0	53.4	0.0
55°	286.3	141.3	57.3	0.0
52.5°	313.1	156.5	61.1	0.0
50°	336.0	171.8	64.9	0.0
47.5°	355.1	187.1	64.9	0.0
45°	370.3	198.5	68.7	0.0
42.5°	381.8	210.0	72.5	0.0
40°	393.2	221.4	76.4	0.0
37.5°	404.7	232.9	76.4	0.0
35°	416.1	244.3	80.2	0.0
32.5°	427.6	255.8	80.2	0.0
30°	435.2	263.4	84.0	0.0
27.5°	446.7	271.1	84.0	0.0
25°	450.5	278.7	87.8	0.0
22.5°	458.1	282.5	87.8	0.0
20°	465.8	290.2	87.8	0.0
17.5°	469.6	294.0	91.6	0.0
15°	469.6	297.8	95.4	0.0
12.5°	473.4	301.6	95.4	0.0
10°	473.4	309.2	91.6	0.0
7.5°	481.0	305.4	91.6	0.0
5°	477.2	305.4	91.6	0.0
2.5°	473.4	301.6	91.6	0.0
0°	469.6	301.6	91.6	0.0
-2.5°	469.6	301.6	91.6	0.0
-5°	469.6	301.6	91.6	0.0
-7.5°	465.8	305.4	91.6	0.0
-10°	458.1	305.4	91.6	0.0
-12.5°	454.3	294.0	91.6	0.0
-15°	450.5	290.2	91.6	0.0
-17.5°	442.9	286.3	87.8	0.0
-20°	435.2	282.5	87.8	0.0



REPORT NUMBER: P722330
 CATALOG NUMBER: IFLD-L-SA7D-940-U-76

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	427.6	274.9	87.8	0.0
-25°	420.0	267.2	84.0	0.0
-27.5°	412.3	259.6	84.0	0.0
-30°	400.9	252.0	80.2	0.0
-32.5°	389.4	244.3	80.2	0.0
-35°	381.8	232.9	76.4	0.0
-37.5°	370.3	221.4	76.4	0.0
-40°	358.9	210.0	72.5	0.0
-42.5°	347.4	198.5	68.7	0.0
-45°	332.2	187.1	68.7	0.0
-47.5°	320.7	175.6	64.9	0.0
-50°	301.6	160.3	61.1	0.0
-52.5°	278.7	145.1	57.3	0.0
-55°	255.8	133.6	53.4	0.0
-57.5°	232.9	118.4	53.4	0.0
-60°	210.0	103.1	49.6	0.0
-62.5°	187.1	95.4	45.8	0.0
-65°	164.2	87.8	42.0	0.0
-67.5°	137.4	76.4	38.2	0.0
-70°	114.5	68.7	34.4	0.0
-72.5°	99.3	61.1	30.5	0.0
-75°	84.0	53.4	26.7	0.0
-77.5°	72.5	45.8	22.9	0.0
-80°	57.3	34.4	15.3	0.0
-82.5°	42.0	26.7	11.5	0.0
-85°	26.7	19.1	7.6	0.0
-87.5°	15.3	7.6	3.8	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)