

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: P722331

Luminaire Tested: **IFLD-L-SA7E-940-U-76**

Issue Date: 10/26/2023

Test Information

Test Method: LM-79-2019
Report Number: P722331
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7E-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

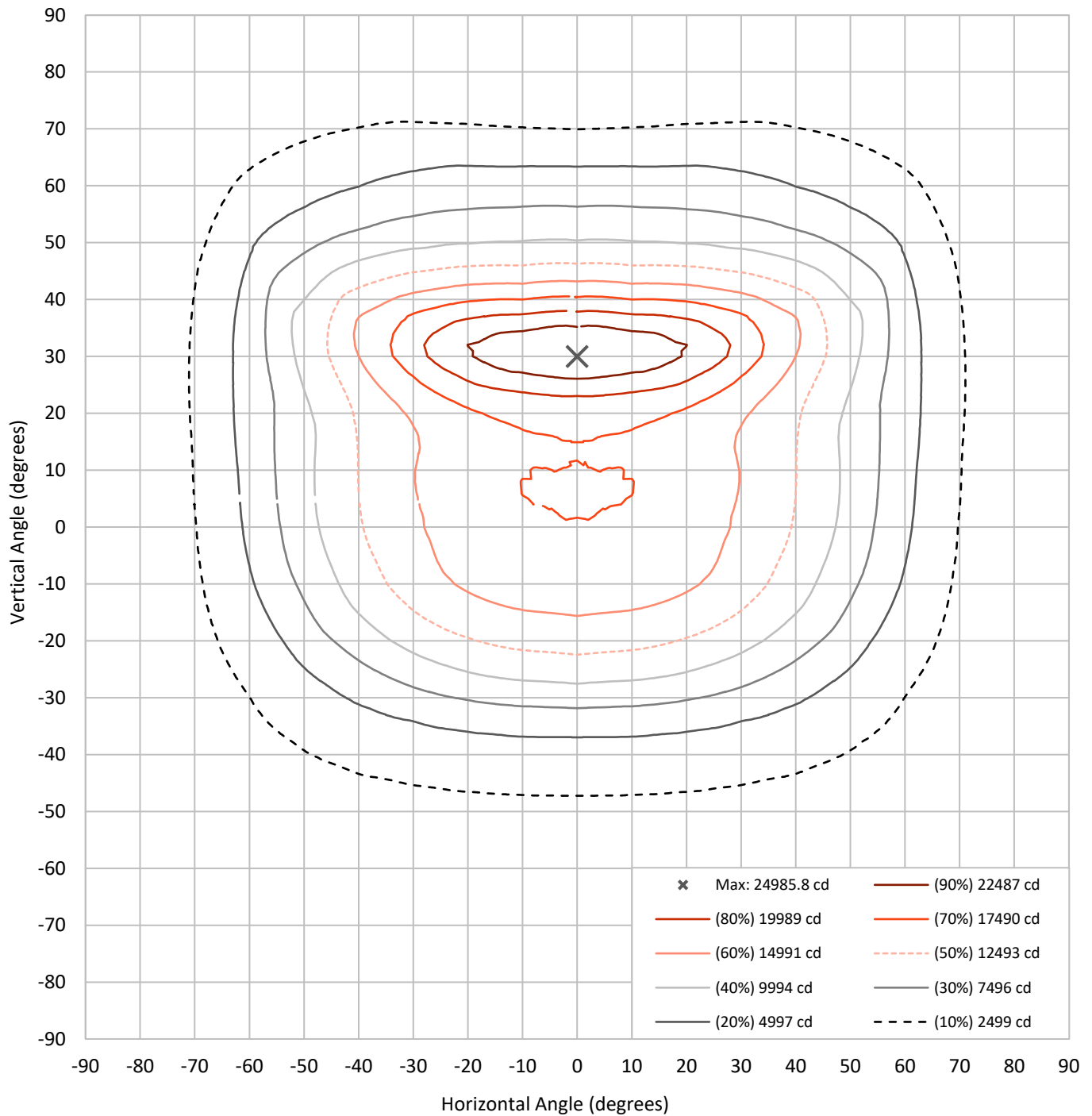
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	41707.6 lumens	Max Intensity:	24985.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	78.3 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')		
Beam Angle (50%):	90.8°H x 68.8°V	Field Angle (10%):	142°H x 117.1°V
Beam Lumens:	24253.4 lumens	Field Lumens:	39085.4 lumens
Beam Efficiency:	58.2%	Field Efficiency:	93.7%

Input Watts (W): 532.7
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



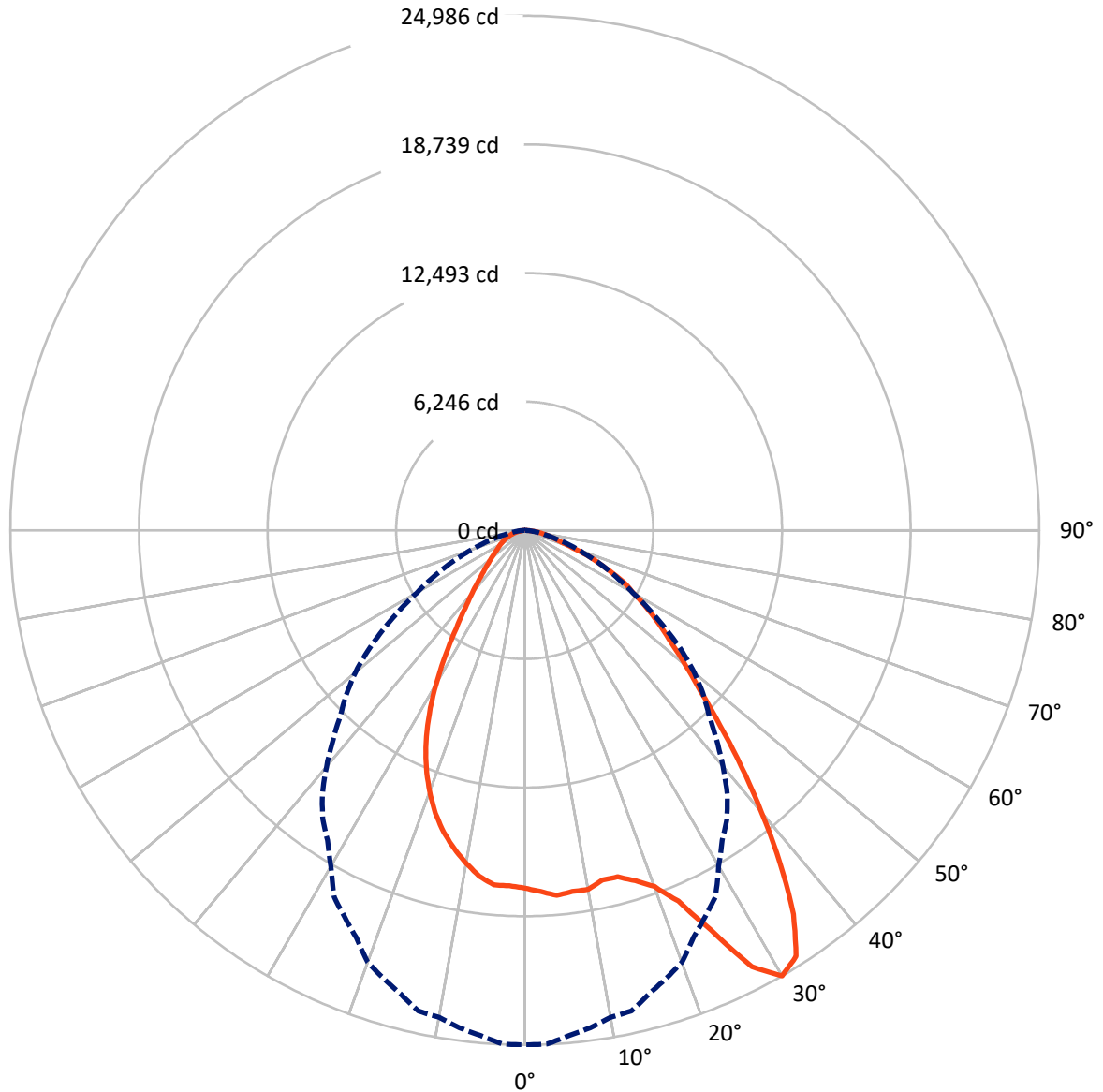
REPORT NUMBER: P722331
CATALOG NUMBER: IFLD-L-SA7E-940-U-76

Iso-Candela Plot



REPORT NUMBER: P722331
CATALOG NUMBER: IFLD-L-SA7E-940-U-76

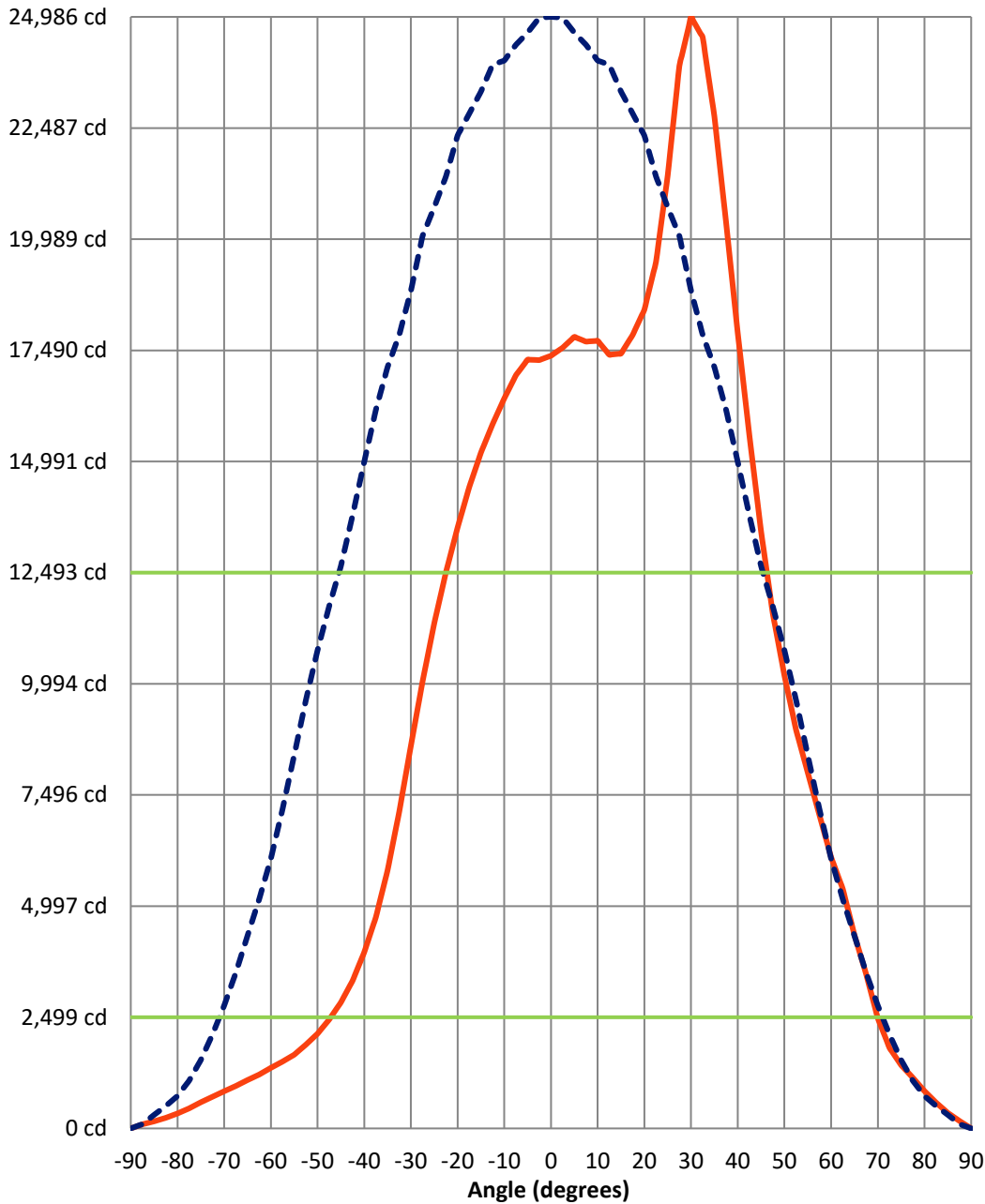
Luminous Intensity Polar Plot



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

REPORT NUMBER: P722331
 CATALOG NUMBER: IFLD-L-SA7E-940-U-76

Luminous Intensity Plot



Beam:
 H Angle: 90.8°
 V Angle: 68.8°
 Lumens: 24253.4
 Efficiency: 58.2%

Field:
 H Angle: 142°
 V Angle: 117.1°
 Lumens: 39085.4
 Efficiency: 93.7%

Spill:
 Lumens: 2622.2
 Efficiency: 6.3%

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



REPORT NUMBER: P722331
 CATALOG NUMBER: IFLD-L-SA7E-940-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°	167.9	172.3	176.7	176.7	172.3	172.3	172.3	167.9	172.3	172.3	172.3
85°	349.1	357.9	366.7	362.3	357.9	349.1	340.2	344.6	349.1	353.5	353.5
82.5°	578.8	592.1	600.9	596.5	587.6	578.8	570.0	574.4	583.2	587.6	587.6
80°	839.5	843.9	848.3	857.2	843.9	843.9	839.5	857.2	866.0	874.8	883.7
77.5°	1139.9	1144.4	1144.4	1148.8	1153.2	1157.6	1157.6	1188.5	1210.6	1223.9	1237.1
75°	1422.7	1436.0	1449.2	1462.5	1480.1	1489.0	1502.2	1546.4	1581.8	1608.3	1634.8
72.5°	1811.5	1829.2	1851.3	1882.2	1913.1	1935.2	1966.2	2019.2	2059.0	2085.5	2116.4
70°	2478.7	2496.4	2518.5	2540.6	2571.5	2593.6	2624.5	2690.8	2730.5	2748.2	2765.9
67.5°	3468.4	3512.6	3552.4	3508.2	3486.1	3455.2	3464.0	3525.8	3565.6	3592.1	3587.7
65°	4347.7	4378.6	4378.6	4374.2	4356.5	4316.7	4338.8	4413.9	4458.1	4480.2	4413.9
62.5°	5381.6	5381.6	5359.5	5394.8	5399.2	5372.7	5359.5	5363.9	5368.3	5381.6	5271.1
60°	6097.3	6141.5	6154.8	6185.7	6194.5	6194.5	6216.6	6234.3	6234.3	6207.8	6079.7
57.5°	7042.9	7126.8	7144.5	7122.4	7078.2	7020.8	7011.9	6985.4	6932.4	6879.4	6817.5
55°	7997.2	8041.4	8037.0	8023.7	7979.6	7913.3	7922.1	7886.8	7802.8	7736.5	7652.6
52.5°	8956.0	9062.0	9079.7	9053.2	8991.4	8920.7	8925.1	8885.3	8801.4	8730.7	8615.8
50°	10179.9	10268.3	10259.4	10215.2	10126.9	10073.9	10078.3	10003.2	9906.0	9883.9	9733.6
47.5°	11580.5	11682.1	11664.5	11602.6	11483.3	11461.2	11483.3	11386.1	11328.7	11280.1	11103.3
45°	13418.5	13537.8	13471.6	13352.3	13162.3	13184.4	13215.3	13197.6	13073.9	12945.8	12720.4
42.5°	15574.7	15649.8	15570.3	15451.0	15212.4	15256.6	15238.9	15132.9	15057.8	14845.7	14558.5
40°	17881.1	18044.6	17920.9	17735.3	17487.9	17554.1	17505.5	17368.6	17191.8	16926.7	16564.4
37.5°	20368.6	20496.8	20355.4	20138.9	19918.0	19895.9	19798.7	19586.6	19334.7	19043.1	18464.3
35°	22750.1	23081.5	22820.8	22476.2	22206.7	22105.0	22012.3	21521.8	21234.6	20761.9	19971.0
32.5°	24521.9	24764.9	24442.3	24084.5	23757.5	23616.1	23289.2	22705.9	22551.3	21557.2	20832.6
30°	24985.8	24968.1	24632.3	24358.4	24004.9	23907.7	23306.8	22812.0	22317.1	21398.1	20708.8
27.5°	23881.2	23770.8	23448.2	23209.6	22860.6	22745.7	22153.6	21888.5	21124.2	20346.5	19763.3
25°	21420.2	21477.6	21234.6	21115.3	20885.6	20638.1	20404.0	20046.1	19568.9	18888.5	18353.9
22.5°	19480.5	19555.6	19454.0	19312.6	19135.9	18998.9	18822.2	18543.8	18084.3	17664.6	17160.9
20°	18402.5	18380.4	18292.0	18186.0	18018.1	17920.9	17726.4	17492.3	17138.8	16776.5	16233.0
17.5°	17836.9	17699.9	17616.0	17576.2	17487.9	17364.1	17134.4	16895.8	16621.9	16210.9	15813.3
15°	17417.2	17439.3	17373.0	17342.0	17271.4	17099.0	16864.9	16670.5	16299.3	16091.7	15729.3
12.5°	17390.7	17368.6	17373.0	17359.7	17271.4	17050.4	16931.1	16683.7	16445.1	16171.2	15755.9
10°	17704.4	17470.2	17487.9	17549.7	17408.3	17231.6	17103.5	16833.9	16608.6	16259.6	15848.6
7.5°	17686.7	17567.4	17602.7	17501.1	17545.3	17328.8	17152.1	16882.5	16599.8	16228.6	15857.5
5°	17792.7	17611.6	17580.6	17589.5	17479.0	17315.5	17076.9	16820.7	16555.6	16140.3	15760.3
2.5°	17549.7	17576.2	17434.8	17381.8	17368.6	17094.6	16873.7	16626.3	16352.3	15985.6	15645.4
0°	17368.6	17417.2	17271.4	17196.2	17191.8	16957.7	16816.3	16533.5	16339.1	16034.2	15623.3
-2.5°	17271.4	17328.8	17346.5	17209.5	17076.9	16895.8	16657.2	16352.3	16034.2	15680.7	15327.3
-5°	17280.2	17165.3	17116.7	17160.9	17046.0	16864.9	16599.8	16330.2	16016.5	15636.6	15194.7
-7.5°	16931.1	16816.3	16807.4	16785.3	16758.8	16586.5	16365.6	16074.0	15755.9	15402.4	14991.5
-10°	16409.8	16325.8	16303.7	16281.6	16210.9	16109.3	15901.7	15636.6	15349.4	14995.9	14558.5
-12.5°	15831.0	15791.2	15707.3	15649.8	15579.1	15459.8	15261.0	15018.0	14730.8	14417.1	14041.5
-15°	15190.3	15115.2	15031.2	14982.6	14881.0	14739.6	14540.8	14315.5	14001.8	13692.5	13339.0
-17.5°	14417.1	14324.3	14231.5	14218.3	14147.6	13931.1	13745.5	13471.6	13197.6	12901.6	12557.0
-20°	13506.9	13378.8	13316.9	13281.6	13184.4	13025.3	12826.5	12574.6	12309.5	12026.8	11629.1



REPORT NUMBER: P722331
 CATALOG NUMBER: IFLD-L-SA7E-940-U-76

CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
-22.5°	12499.5	12389.1	12283.0	12216.8	12132.8	12009.1	11819.1	11598.2	11337.5	11019.4	10652.7
-25°	11355.2	11200.5	11134.3	11059.1	11015.0	10900.1	10714.5	10511.3	10241.8	9932.5	9583.4
-27.5°	10047.3	9923.6	9888.3	9782.2	9729.2	9609.9	9455.3	9265.3	9017.9	8726.3	8439.1
-30°	8602.5	8527.4	8470.0	8363.9	8324.2	8196.1	8094.4	7935.4	7710.0	7502.4	7272.6
-32.5°	7118.0	7042.9	7025.2	6976.6	6950.1	6866.1	6751.2	6636.4	6455.2	6300.6	6115.0
-35°	5801.3	5748.3	5752.7	5748.3	5721.8	5659.9	5518.5	5487.6	5355.0	5213.7	5094.4
-37.5°	4749.7	4754.2	4749.7	4745.3	4710.0	4683.5	4581.8	4542.1	4462.5	4325.6	4254.9
-40°	3958.8	3967.7	3963.3	3954.4	3914.7	3901.4	3835.1	3782.1	3751.2	3654.0	3578.9
-42.5°	3318.2	3331.4	3327.0	3322.6	3296.1	3291.7	3256.3	3194.5	3176.8	3119.4	3039.8
-45°	2832.2	2827.7	2818.9	2827.7	2814.5	2801.2	2779.1	2739.4	2717.3	2690.8	2624.5
-47.5°	2447.8	2452.2	2443.4	2443.4	2425.7	2412.4	2403.6	2377.1	2359.4	2337.3	2297.5
-50°	2129.6	2147.3	2142.9	2138.5	2125.2	2116.4	2116.4	2089.9	2063.4	2054.5	2028.0
-52.5°	1882.2	1895.5	1899.9	1908.7	1913.1	1917.6	1904.3	1877.8	1833.6	1829.2	1815.9
-55°	1656.9	1696.6	1723.2	1740.8	1758.5	1771.8	1745.3	1709.9	1665.7	1648.0	1643.6
-57.5°	1502.2	1542.0	1572.9	1599.4	1621.5	1643.6	1617.1	1581.8	1542.0	1519.9	1515.5
-60°	1360.9	1396.2	1427.1	1462.5	1493.4	1528.8	1515.5	1489.0	1466.9	1449.2	1431.5
-62.5°	1210.6	1246.0	1281.3	1325.5	1365.3	1400.6	1405.0	1400.6	1396.2	1400.6	1369.7
-65°	1086.9	1104.6	1126.7	1175.3	1219.5	1259.2	1281.3	1294.6	1316.7	1338.8	1307.8
-67.5°	954.4	976.5	1003.0	1038.3	1073.7	1100.2	1131.1	1166.4	1201.8	1237.1	1215.0
-70°	835.1	852.7	874.8	892.5	914.6	932.3	958.8	998.5	1038.3	1073.7	1064.8
-72.5°	711.4	729.0	742.3	751.1	764.4	773.2	786.5	821.8	848.3	866.0	866.0
-75°	587.6	605.3	618.6	623.0	631.8	636.2	645.1	658.3	671.6	676.0	680.4
-77.5°	450.7	468.3	481.6	490.4	499.3	508.1	512.5	521.4	525.8	525.8	530.2
-80°	335.8	349.1	357.9	371.1	375.6	384.4	393.2	397.7	402.1	402.1	406.5
-82.5°	238.6	247.4	256.3	265.1	273.9	278.4	287.2	291.6	296.0	300.4	304.9
-85°	159.1	167.9	176.7	185.6	190.0	194.4	198.8	203.2	207.7	212.1	216.5
-87.5°	92.8	97.2	101.6	110.5	114.9	123.7	128.1	123.7	128.1	128.1	128.1
-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: P722331
 CATALOG NUMBER: IFLD-L-SA7E-940-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°	172.3	172.3	172.3	172.3	167.9	159.1	154.6	145.8	137.0	128.1	119.3
85°	357.9	362.3	362.3	362.3	353.5	349.1	335.8	322.5	304.9	278.4	256.3
82.5°	596.5	600.9	600.9	596.5	587.6	574.4	556.7	534.6	499.3	463.9	433.0
80°	896.9	901.3	901.3	896.9	874.8	852.7	830.7	804.1	760.0	711.4	658.3
77.5°	1254.8	1263.6	1263.6	1250.4	1219.5	1193.0	1157.6	1113.4	1047.2	976.5	905.8
75°	1670.1	1692.2	1696.6	1683.4	1643.6	1595.0	1537.6	1462.5	1360.9	1272.5	1188.5
72.5°	2151.7	2173.8	2191.5	2173.8	2116.4	2050.1	1966.2	1877.8	1776.2	1656.9	1515.5
70°	2783.6	2805.7	2818.9	2761.5	2659.9	2549.4	2447.8	2346.1	2226.9	2081.0	1926.4
67.5°	3578.9	3556.8	3530.3	3415.4	3287.3	3154.7	3013.3	2863.1	2708.5	2553.8	2372.7
65°	4343.2	4281.4	4223.9	4087.0	3923.5	3751.2	3587.7	3419.8	3234.2	3039.8	2867.5
62.5°	5147.4	5014.8	4873.4	4705.5	4537.7	4347.7	4184.2	3985.4	3777.7	3539.1	3318.2
60°	5938.3	5779.2	5637.8	5430.2	5209.2	4953.0	4776.2	4581.8	4338.8	4082.6	3821.9
57.5°	6702.6	6530.3	6375.7	6194.5	5955.9	5677.6	5483.2	5231.3	4975.1	4652.5	4387.4
55°	7515.6	7343.3	7219.6	7016.4	6755.7	6499.4	6287.3	6022.2	5664.3	5319.7	4992.7
52.5°	8447.9	8310.9	8178.4	7970.7	7657.0	7396.3	7162.2	6866.1	6490.6	6066.4	5673.2
50°	9490.6	9419.9	9278.5	9035.5	8677.7	8447.9	8138.6	7745.4	7343.3	6897.1	6406.6
47.5°	10873.6	10758.7	10559.9	10294.8	9994.3	9649.7	9234.4	8774.9	8204.9	7710.0	7188.7
45°	12526.0	12314.0	12057.7	11699.8	11328.7	10939.9	10484.8	9901.5	9137.2	8492.1	7944.2
42.5°	14315.5	14028.3	13679.2	13210.9	12729.3	12252.1	11761.7	10966.4	10012.0	9269.7	8651.1
40°	16184.4	15817.7	15380.3	14699.9	14165.3	13551.1	12990.0	11801.4	10785.2	9981.1	9322.7
37.5°	18013.6	17549.7	16816.3	15990.0	15367.0	14863.4	13630.6	12358.1	11448.0	10564.3	9897.1
35°	19414.3	19021.0	17726.4	16869.3	16334.7	15539.4	13997.4	12693.9	11730.7	10997.3	9959.0
32.5°	20244.9	19228.7	18093.2	17227.2	16785.3	15481.9	14023.9	12791.1	11863.3	11041.5	9799.9
30°	20059.3	18831.0	17836.9	17112.3	16153.5	14982.6	13776.4	12640.9	11739.6	10745.4	9623.2
27.5°	18941.5	17991.5	17103.5	16347.9	15406.8	14355.2	13241.8	12243.3	11403.8	10440.6	9380.2
25°	17677.8	16816.3	16157.9	15499.6	14607.1	13604.1	12623.2	11903.1	11059.1	10109.2	9062.0
22.5°	16515.8	15897.2	15380.3	14691.0	13820.6	12945.8	12336.1	11589.3	10723.4	9760.1	8735.1
20°	15773.5	15353.8	14761.7	14001.8	13316.9	12769.1	12093.0	11302.2	10409.6	9402.3	8456.7
17.5°	15415.6	14929.6	14271.3	13776.4	13250.7	12649.8	11894.2	11054.7	10104.8	9238.8	8487.7
15°	15230.1	14717.5	14284.5	13798.5	13206.5	12574.6	11735.2	10864.7	10104.8	9305.1	8509.8
12.5°	15269.8	14828.0	14355.2	13825.0	13188.8	12512.8	11752.8	10944.3	10157.8	9353.7	8514.2
10°	15393.6	14929.6	14425.9	13838.3	13197.6	12530.5	11801.4	10992.9	10184.3	9375.8	8505.3
7.5°	15437.7	14934.0	14395.0	13802.9	13175.5	12521.6	11810.3	11006.1	10188.7	9371.3	8478.8
5°	15300.8	14845.7	14324.3	13727.8	13113.7	12477.4	11774.9	10988.5	10153.4	9327.2	8412.6
2.5°	15115.2	14748.5	14249.2	13674.8	13051.8	12415.6	11717.5	10908.9	10073.9	9247.6	8328.6
0°	15084.3	14629.2	14125.5	13613.0	12950.2	12278.6	11584.9	10758.7	9928.0	9097.4	8182.8
-2.5°	14881.0	14399.4	13895.7	13339.0	12755.8	12079.8	11350.8	10542.2	9720.4	8903.0	8023.7
-5°	14726.4	14191.8	13657.1	13056.2	12468.6	11792.6	11037.1	10250.6	9446.4	8651.1	7802.8
-7.5°	14518.7	13970.8	13409.7	12782.3	12146.1	11456.8	10710.1	9923.6	9132.7	8341.9	7528.9
-10°	14099.0	13617.4	13091.6	12442.1	11770.5	11081.2	10339.0	9565.7	8774.9	7975.1	7157.7
-12.5°	13590.9	13082.8	12508.4	11911.9	11311.0	10670.3	9928.0	9168.1	8372.8	7568.6	6755.7
-15°	12932.5	12433.3	11845.6	11262.4	10683.6	10069.4	9415.5	8730.7	7922.1	7131.2	6318.2
-17.5°	12110.7	11642.4	11116.6	10559.9	9985.5	9366.9	8730.7	8151.9	7396.3	6654.0	5849.9
-20°	11227.0	10789.6	10316.9	9791.1	9216.7	8611.4	8010.5	7405.2	6751.2	6097.3	5350.6



REPORT NUMBER: P722331
 CATALOG NUMBER: IFLD-L-SA7E-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°	10308.0	9866.2	9389.0	8898.6	8368.4	7807.2	7250.5	6671.7	6097.3	5505.3	4873.4
-25°	9247.6	8858.8	8421.4	7944.2	7471.4	6981.0	6450.8	5925.0	5434.6	4922.0	4405.1
-27.5°	8138.6	7780.7	7383.1	6967.7	6561.3	6150.4	5690.8	5204.8	4798.3	4374.2	3945.6
-30°	6972.2	6685.0	6362.4	6000.1	5686.4	5355.0	4970.7	4568.6	4197.4	3874.9	3530.3
-32.5°	5867.6	5624.6	5394.8	5156.2	4846.9	4590.7	4325.6	4029.5	3702.6	3397.7	3150.3
-35°	4917.6	4656.9	4559.7	4383.0	4162.1	3936.8	3742.3	3530.3	3282.8	3013.3	2810.1
-37.5°	4117.9	3963.3	3826.3	3729.1	3583.3	3402.1	3247.5	3092.8	2902.9	2699.6	2496.4
-40°	3494.9	3388.9	3238.7	3190.1	3097.3	2973.6	2814.5	2695.2	2567.1	2412.4	2240.1
-42.5°	2995.6	2916.1	2818.9	2735.0	2695.2	2606.8	2483.1	2368.2	2266.6	2160.6	2028.0
-45°	2584.7	2531.7	2469.9	2394.7	2363.8	2293.1	2204.8	2076.6	2019.2	1930.8	1833.6
-47.5°	2253.4	2226.9	2182.7	2134.1	2089.9	2036.9	1957.3	1877.8	1798.3	1740.8	1665.7
-50°	1992.7	1975.0	1948.5	1908.7	1851.3	1815.9	1762.9	1692.2	1617.1	1568.5	1515.5
-52.5°	1785.0	1767.3	1749.7	1718.7	1674.6	1639.2	1595.0	1537.6	1475.7	1427.1	1382.9
-55°	1626.0	1599.4	1586.2	1559.7	1524.3	1484.6	1444.8	1405.0	1352.0	1307.8	1263.6
-57.5°	1502.2	1466.9	1449.2	1427.1	1391.8	1352.0	1321.1	1281.3	1246.0	1197.4	1157.6
-60°	1405.0	1365.3	1329.9	1307.8	1276.9	1237.1	1206.2	1175.3	1139.9	1100.2	1051.6
-62.5°	1325.5	1276.9	1228.3	1201.8	1170.9	1135.5	1104.6	1073.7	1038.3	998.5	954.4
-65°	1250.4	1193.0	1131.1	1104.6	1073.7	1038.3	998.5	976.5	945.5	910.2	866.0
-67.5°	1157.6	1095.8	1042.7	1011.8	980.9	949.9	914.6	892.5	861.6	817.4	773.2
-70°	1020.6	980.9	945.5	919.0	892.5	866.0	830.7	795.3	760.0	720.2	680.4
-72.5°	848.3	835.1	830.7	817.4	786.5	755.5	720.2	684.8	653.9	623.0	592.1
-75°	684.8	693.7	702.5	698.1	667.2	636.2	605.3	574.4	552.3	525.8	499.3
-77.5°	543.5	552.3	561.1	561.1	539.0	521.4	499.3	477.2	459.5	437.4	410.9
-80°	419.7	433.0	446.3	455.1	437.4	424.2	406.5	388.8	371.1	353.5	335.8
-82.5°	318.1	331.4	344.6	353.5	340.2	331.4	318.1	304.9	291.6	273.9	260.7
-85°	229.8	238.6	247.4	251.8	243.0	234.2	225.3	216.5	207.7	194.4	185.6
-87.5°	132.6	137.0	141.4	145.8	137.0	128.1	123.7	114.9	110.5	101.6	97.2
-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: P722331
 CATALOG NUMBER: IFLD-L-SA7E-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°	110.5	101.6	92.8	88.4	79.5	66.3	57.4	48.6	39.8	30.9	26.5
85°	234.2	212.1	185.6	172.3	154.6	137.0	119.3	101.6	83.9	66.3	48.6
82.5°	402.1	375.6	349.1	318.1	278.4	229.8	181.2	150.2	123.7	97.2	75.1
80°	605.3	556.7	512.5	472.8	428.6	366.7	300.4	238.6	167.9	128.1	97.2
77.5°	839.5	782.0	720.2	653.9	583.2	499.3	424.2	344.6	260.7	176.7	123.7
75°	1104.6	1029.5	945.5	852.7	760.0	649.5	543.5	450.7	353.5	247.4	150.2
72.5°	1400.6	1307.8	1206.2	1082.5	936.7	808.6	680.4	556.7	441.8	313.7	203.2
70°	1780.6	1634.8	1484.6	1352.0	1166.4	963.2	813.0	671.6	525.8	384.4	256.3
67.5°	2187.1	2010.4	1829.2	1634.8	1400.6	1162.0	945.5	786.5	614.2	450.7	304.9
65°	2628.9	2408.0	2178.2	1961.8	1639.2	1356.4	1113.4	896.9	698.1	512.5	353.5
62.5°	3084.0	2823.3	2558.2	2275.5	1904.3	1555.3	1272.5	1020.6	777.6	570.0	397.7
60°	3570.0	3265.2	2942.6	2589.2	2156.2	1771.8	1422.7	1148.8	861.6	627.4	446.3
57.5°	4082.6	3751.2	3371.2	2894.0	2416.8	1979.4	1595.0	1263.6	936.7	680.4	481.6
55°	4639.3	4259.3	3844.0	3212.1	2673.1	2187.1	1767.3	1378.5	1016.2	724.6	516.9
52.5°	5240.2	4798.3	4272.6	3547.9	2942.6	2399.2	1926.4	1480.1	1091.3	773.2	547.9
50°	5911.8	5355.0	4648.1	3857.2	3176.8	2598.0	2085.5	1590.6	1153.2	826.2	574.4
47.5°	6609.9	6009.0	4983.9	4144.4	3415.4	2792.4	2248.9	1687.8	1215.0	870.4	600.9
45°	7338.9	6464.1	5333.0	4400.7	3623.1	2969.1	2372.7	1776.2	1290.2	910.2	623.0
42.5°	8059.1	6808.7	5637.8	4656.9	3817.5	3128.2	2474.3	1860.1	1352.0	949.9	645.1
40°	8399.3	7069.4	5880.8	4833.7	3980.9	3269.6	2562.6	1935.2	1405.0	976.5	667.2
37.5°	8540.7	7228.4	6039.9	5001.6	4109.1	3344.7	2637.8	2001.5	1449.2	1003.0	684.8
35°	8571.6	7285.9	6119.4	5116.5	4215.1	3415.4	2695.2	2050.1	1484.6	1029.5	702.5
32.5°	8514.2	7268.2	6141.5	5156.2	4281.4	3468.4	2735.0	2085.5	1511.1	1056.0	720.2
30°	8386.0	7175.4	6062.0	5151.8	4330.0	3499.3	2761.5	2112.0	1537.6	1073.7	729.0
27.5°	8178.4	7011.9	5960.4	5156.2	4356.5	3512.6	2774.7	2125.2	1555.3	1086.9	746.7
25°	7922.1	6791.0	5964.8	5147.4	4360.9	3517.0	2774.7	2125.2	1559.7	1091.3	760.0
22.5°	7626.1	6791.0	5964.8	5134.1	4334.4	3508.2	2761.5	2116.4	1559.7	1100.2	773.2
20°	7643.8	6795.4	5951.5	5107.6	4294.6	3481.7	2730.5	2094.3	1546.4	1113.4	782.0
17.5°	7657.0	6786.6	5925.0	5072.3	4241.6	3437.5	2690.8	2063.4	1546.4	1126.7	786.5
15°	7657.0	6760.1	5885.3	5019.3	4175.3	3375.6	2633.3	2036.9	1550.8	1131.1	795.3
12.5°	7643.8	6711.5	5823.4	4948.6	4095.8	3300.5	2598.0	2028.0	1550.8	1135.5	795.3
10°	7617.2	6645.2	5743.9	4860.2	4020.7	3274.0	2580.3	2010.4	1542.0	1135.5	795.3
7.5°	7568.6	6565.7	5677.6	4807.2	3976.5	3243.1	2553.8	1983.8	1528.8	1126.7	804.1
5°	7493.5	6521.5	5624.6	4745.3	3914.7	3221.0	2536.1	1961.8	1519.9	1126.7	795.3
2.5°	7396.3	6468.5	5562.7	4665.8	3844.0	3145.9	2478.7	1913.1	1489.0	1109.0	786.5
0°	7237.3	6362.4	5456.7	4555.3	3746.8	3070.8	2421.3	1864.5	1458.1	1091.3	777.6
-2.5°	7091.5	6221.0	5319.7	4440.4	3654.0	3004.5	2377.1	1838.0	1444.8	1086.9	773.2
-5°	6888.2	6026.6	5138.5	4290.2	3530.3	2938.2	2332.9	1807.1	1431.5	1078.1	773.2
-7.5°	6662.9	5823.4	4948.6	4135.6	3406.6	2823.3	2248.9	1758.5	1400.6	1060.4	768.8
-10°	6313.8	5518.5	4710.0	3958.8	3274.0	2721.7	2178.2	1714.3	1374.1	1042.7	751.1
-12.5°	5942.7	5182.7	4436.0	3742.3	3123.8	2615.7	2098.7	1665.7	1343.2	1025.1	742.3
-15°	5549.5	4838.1	4148.8	3517.0	2960.3	2487.5	2014.8	1612.7	1312.3	1003.0	729.0
-17.5°	5138.5	4475.8	3852.8	3287.3	2796.8	2355.0	1926.4	1564.1	1276.9	980.9	715.8
-20°	4705.5	4104.7	3552.4	3053.1	2624.5	2222.4	1833.6	1506.7	1237.1	954.4	698.1



REPORT NUMBER: P722331
 CATALOG NUMBER: IFLD-L-SA7E-940-U-76

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
-22.5°	4277.0	3737.9	3243.1	2823.3	2447.8	2085.5	1740.8	1449.2	1193.0	923.4	684.8
-25°	3897.0	3393.3	2969.1	2602.4	2275.5	1952.9	1643.6	1391.8	1144.4	892.5	667.2
-27.5°	3525.8	3097.3	2699.6	2394.7	2107.6	1824.8	1550.8	1329.9	1095.8	857.2	649.5
-30°	3181.2	2814.5	2487.5	2191.5	1948.5	1709.9	1471.3	1268.1	1042.7	821.8	627.4
-32.5°	2867.5	2571.5	2297.5	2014.8	1798.3	1595.0	1396.2	1206.2	989.7	786.5	605.3
-35°	2575.9	2346.1	2107.6	1869.0	1648.0	1489.0	1316.7	1139.9	941.1	746.7	583.2
-37.5°	2315.2	2129.6	1939.7	1736.4	1546.4	1387.4	1241.6	1073.7	892.5	711.4	561.1
-40°	2089.9	1939.7	1771.8	1608.3	1449.2	1299.0	1166.4	1007.4	843.9	684.8	539.0
-42.5°	1882.2	1767.3	1630.4	1493.4	1352.0	1219.5	1091.3	936.7	795.3	653.9	516.9
-45°	1723.2	1608.3	1497.8	1374.1	1254.8	1139.9	1011.8	874.8	751.1	618.6	494.9
-47.5°	1572.9	1471.3	1369.7	1268.1	1170.9	1064.8	936.7	821.8	702.5	587.6	477.2
-50°	1440.4	1343.2	1254.8	1166.4	1082.5	980.9	861.6	768.8	662.8	556.7	455.1
-52.5°	1316.7	1232.7	1144.4	1073.7	1003.0	901.3	804.1	715.8	623.0	521.4	433.0
-55°	1206.2	1126.7	1047.2	980.9	914.6	826.2	746.7	671.6	583.2	494.9	410.9
-57.5°	1100.2	1033.9	958.8	896.9	830.7	760.0	693.7	623.0	543.5	468.3	388.8
-60°	1003.0	941.1	874.8	813.0	755.5	698.1	636.2	578.8	508.1	437.4	366.7
-62.5°	905.8	852.7	795.3	733.4	689.3	636.2	587.6	530.2	472.8	410.9	327.0
-65°	817.4	768.8	715.8	662.8	623.0	583.2	539.0	486.0	437.4	380.0	291.6
-67.5°	729.0	684.8	640.7	596.5	561.1	530.2	486.0	446.3	406.5	344.6	256.3
-70°	645.1	609.7	570.0	534.6	508.1	472.8	441.8	406.5	371.1	300.4	216.5
-72.5°	565.5	530.2	499.3	472.8	450.7	419.7	393.2	366.7	318.1	251.8	181.2
-75°	472.8	450.7	433.0	410.9	388.8	366.7	344.6	313.7	265.1	203.2	141.4
-77.5°	388.8	375.6	362.3	344.6	327.0	309.3	282.8	251.8	212.1	159.1	114.9
-80°	318.1	304.9	296.0	278.4	265.1	247.4	220.9	194.4	154.6	123.7	92.8
-82.5°	243.0	234.2	225.3	216.5	203.2	185.6	159.1	137.0	114.9	92.8	70.7
-85°	172.3	167.9	159.1	150.2	137.0	123.7	106.0	92.8	79.5	61.9	48.6
-87.5°	88.4	83.9	79.5	75.1	70.7	61.9	53.0	44.2	39.8	30.9	22.1
-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: P722331
 CATALOG NUMBER: IFLD-L-SA7E-940-U-76

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0
87.5°	17.7	13.3	4.4	0.0
85°	35.3	22.1	8.8	0.0
82.5°	53.0	35.3	13.3	0.0
80°	70.7	44.2	22.1	0.0
77.5°	88.4	53.0	26.5	0.0
75°	106.0	66.3	30.9	0.0
72.5°	119.3	75.1	35.3	0.0
70°	141.4	88.4	39.8	0.0
67.5°	176.7	97.2	44.2	0.0
65°	207.7	106.0	48.6	0.0
62.5°	243.0	114.9	53.0	0.0
60°	273.9	123.7	57.4	0.0
57.5°	304.9	145.8	61.9	0.0
55°	331.4	163.5	66.3	0.0
52.5°	362.3	181.2	70.7	0.0
50°	388.8	198.8	75.1	0.0
47.5°	410.9	216.5	75.1	0.0
45°	428.6	229.8	79.5	0.0
42.5°	441.8	243.0	83.9	0.0
40°	455.1	256.3	88.4	0.0
37.5°	468.3	269.5	88.4	0.0
35°	481.6	282.8	92.8	0.0
32.5°	494.9	296.0	92.8	0.0
30°	503.7	304.9	97.2	0.0
27.5°	516.9	313.7	97.2	0.0
25°	521.4	322.5	101.6	0.0
22.5°	530.2	327.0	101.6	0.0
20°	539.0	335.8	101.6	0.0
17.5°	543.5	340.2	106.0	0.0
15°	543.5	344.6	110.5	0.0
12.5°	547.9	349.1	110.5	0.0
10°	547.9	357.9	106.0	0.0
7.5°	556.7	353.5	106.0	0.0
5°	552.3	353.5	106.0	0.0
2.5°	547.9	349.1	106.0	0.0
0°	543.5	349.1	106.0	0.0
-2.5°	543.5	349.1	106.0	0.0
-5°	543.5	349.1	106.0	0.0
-7.5°	539.0	353.5	106.0	0.0
-10°	530.2	353.5	106.0	0.0
-12.5°	525.8	340.2	106.0	0.0
-15°	521.4	335.8	106.0	0.0
-17.5°	512.5	331.4	101.6	0.0
-20°	503.7	327.0	101.6	0.0



REPORT NUMBER: P722331
 CATALOG NUMBER: IFLD-L-SA7E-940-U-76

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	494.9	318.1	101.6	0.0
-25°	486.0	309.3	97.2	0.0
-27.5°	477.2	300.4	97.2	0.0
-30°	463.9	291.6	92.8	0.0
-32.5°	450.7	282.8	92.8	0.0
-35°	441.8	269.5	88.4	0.0
-37.5°	428.6	256.3	88.4	0.0
-40°	415.3	243.0	83.9	0.0
-42.5°	402.1	229.8	79.5	0.0
-45°	384.4	216.5	79.5	0.0
-47.5°	371.1	203.2	75.1	0.0
-50°	349.1	185.6	70.7	0.0
-52.5°	322.5	167.9	66.3	0.0
-55°	296.0	154.6	61.9	0.0
-57.5°	269.5	137.0	61.9	0.0
-60°	243.0	119.3	57.4	0.0
-62.5°	216.5	110.5	53.0	0.0
-65°	190.0	101.6	48.6	0.0
-67.5°	159.1	88.4	44.2	0.0
-70°	132.6	79.5	39.8	0.0
-72.5°	114.9	70.7	35.3	0.0
-75°	97.2	61.9	30.9	0.0
-77.5°	83.9	53.0	26.5	0.0
-80°	66.3	39.8	17.7	0.0
-82.5°	48.6	30.9	13.3	0.0
-85°	30.9	22.1	8.8	0.0
-87.5°	17.7	8.8	4.4	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)