

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: P722009

Luminaire Tested: **IFLD-L-SA7B-727-U-76**

Issue Date: 10/26/2023

Test Information

Test Method: LM-79-2019
Report Number: P722009
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7B-727-U-76
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7x6 Flood distribution lens
Light Source: (112) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

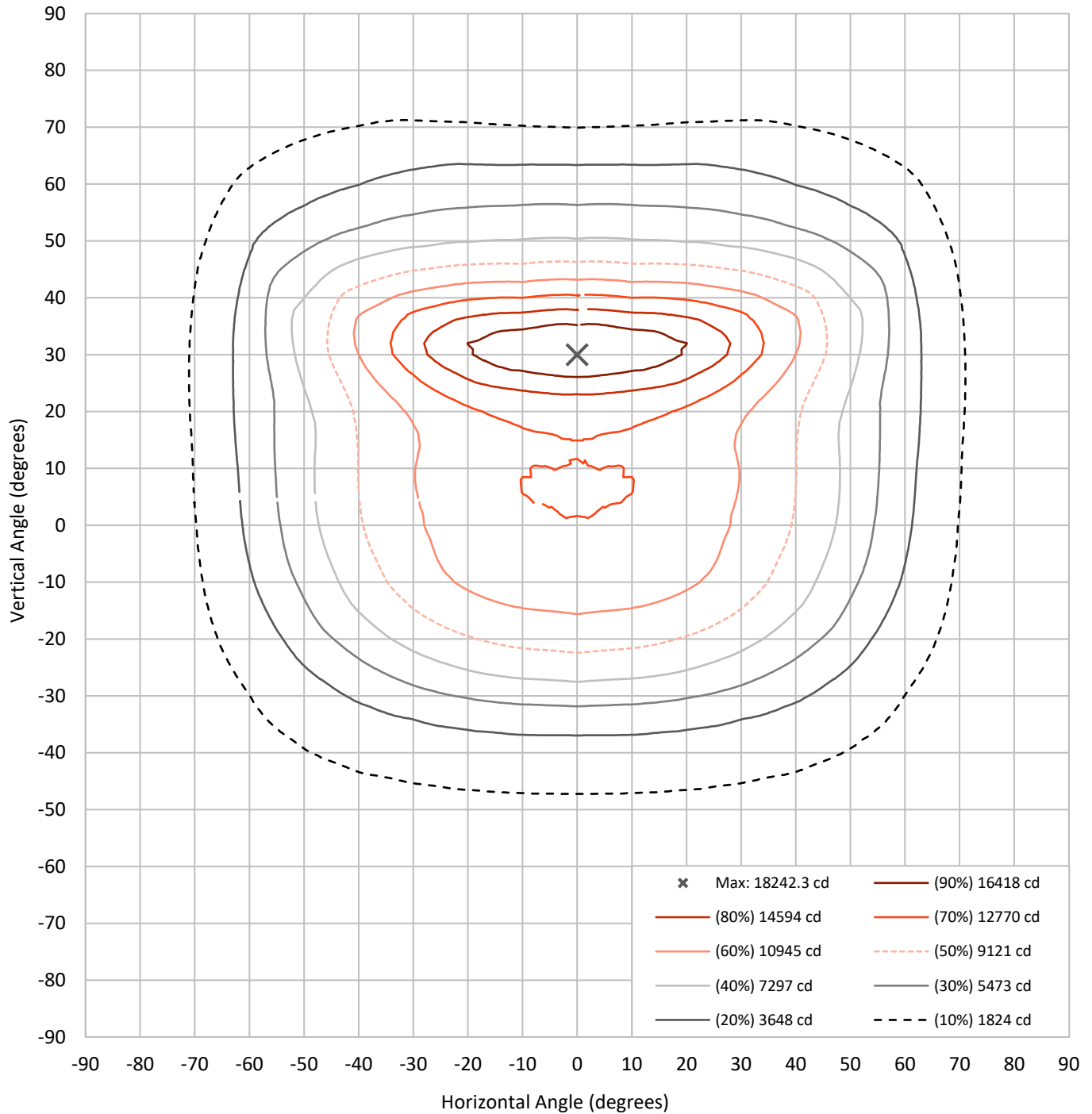
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	30451 lumens	Max Intensity:	18242.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	108.4 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')		
Beam Angle (50%):	90.8°H x 68.8°V	Field Angle (10%):	142°H x 117.1°V
Beam Lumens:	17707.6 lumens	Field Lumens:	28536.5 lumens
Beam Efficiency:	58.2%	Field Efficiency:	93.7%

Input Watts (W): 281
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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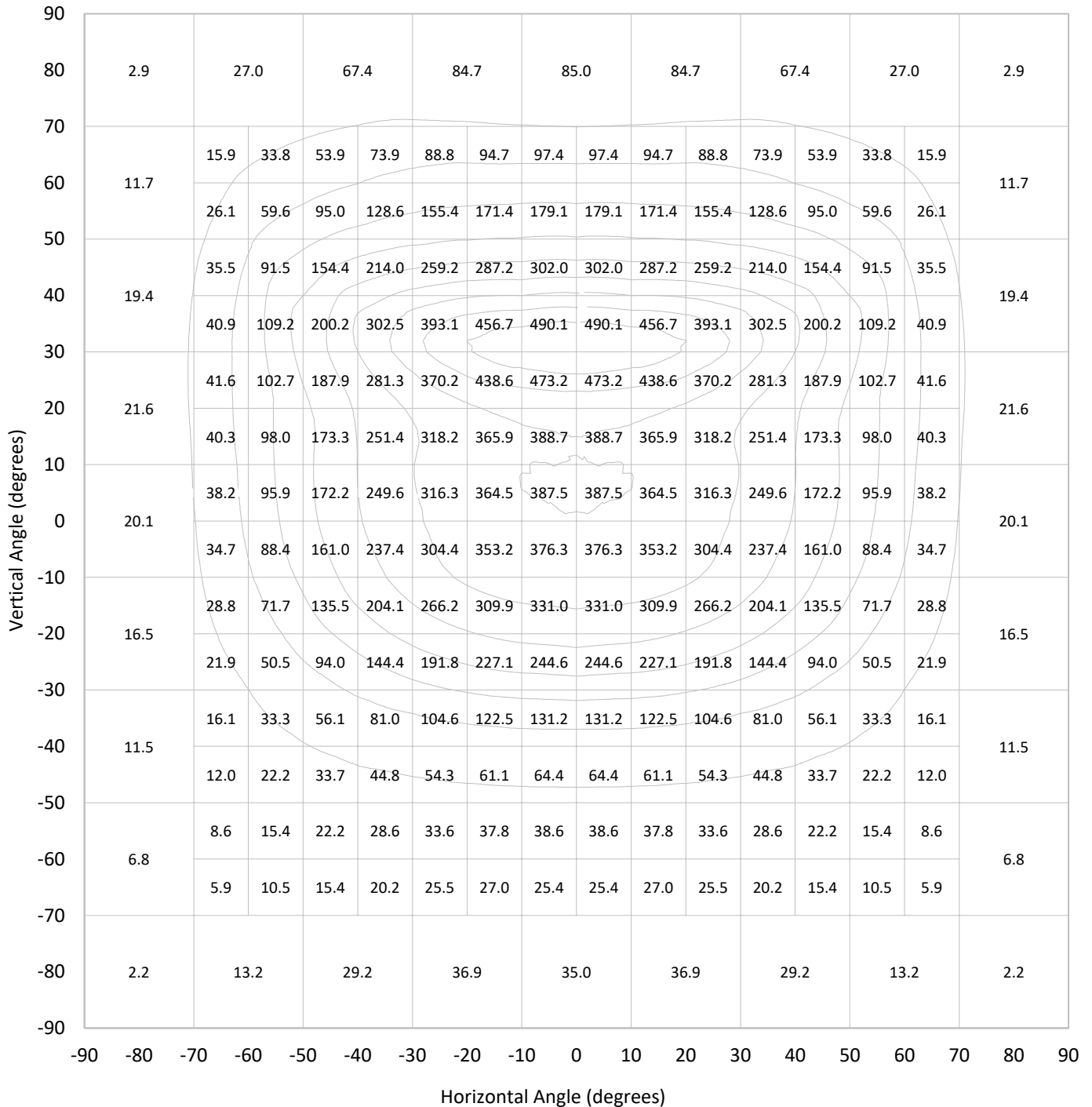
Iso-Candela Plot





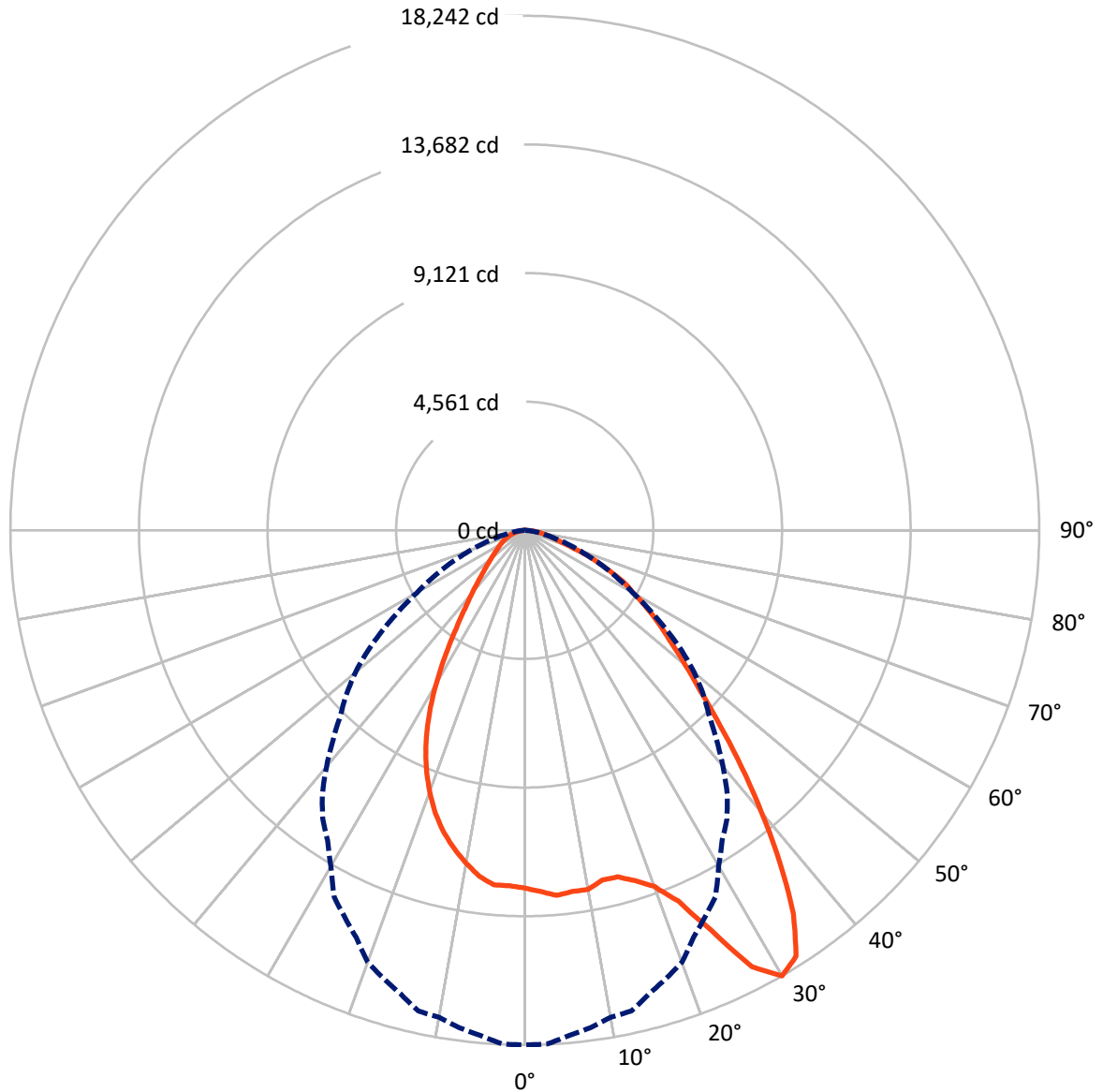
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Lumen Table



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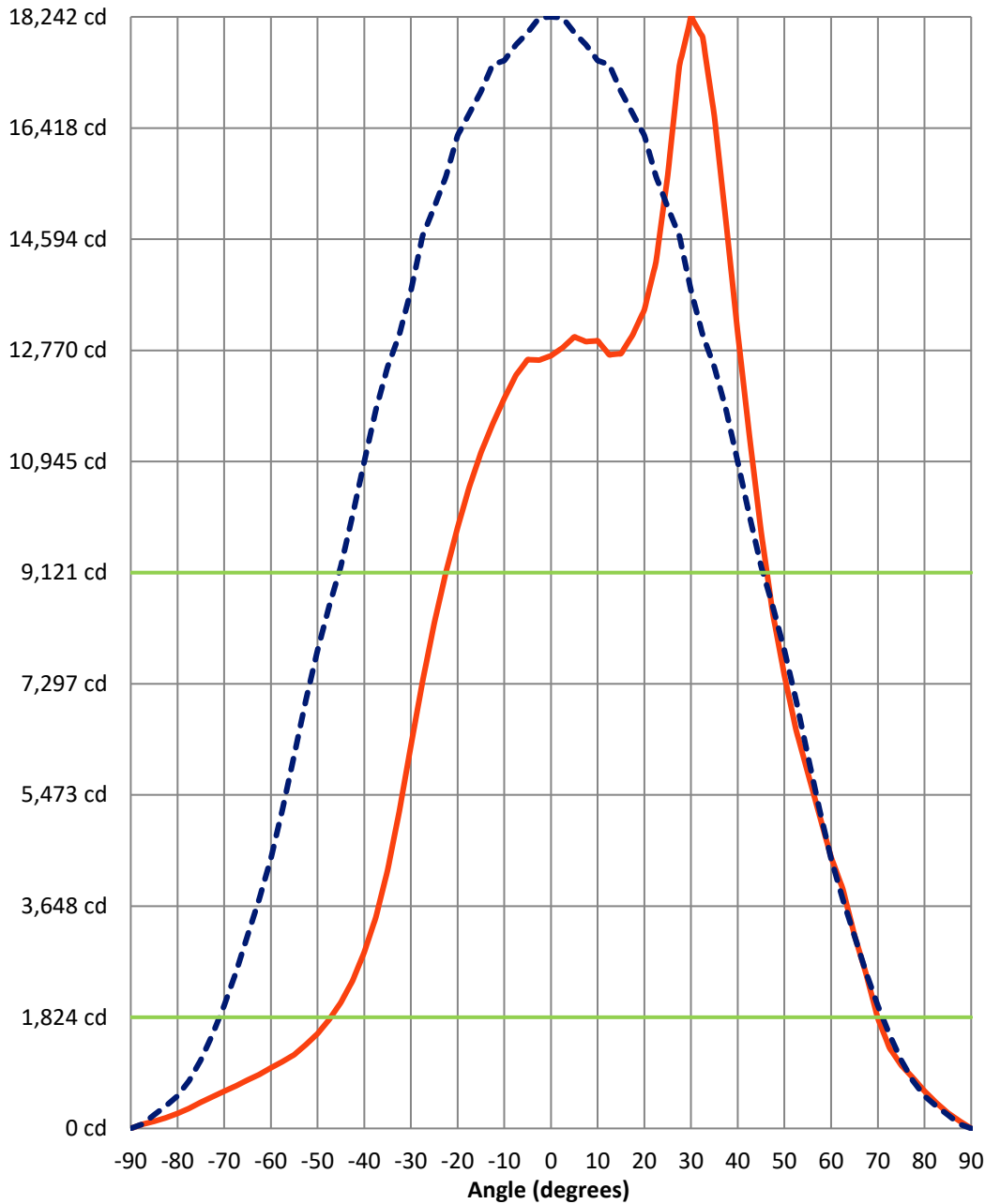
Luminous Intensity Polar Plot



— 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: 17707.6
 Efficiency: 58.2%

Field:
 H Angle: 142°
 V Angle: 117.1°
 Lumens: 28536.5
 Efficiency: 93.7%

Spill:
 Lumens: 1914.5
 Efficiency: 6.3%

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



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	122.6	125.8	129.0	129.0	125.8	125.8	125.8	122.6	125.8	125.8	125.8
85°	254.8	261.3	267.7	264.5	261.3	254.8	248.4	251.6	254.8	258.1	258.1
82.5°	422.6	432.3	438.7	435.5	429.0	422.6	416.1	419.4	425.8	429.0	429.0
80°	612.9	616.1	619.4	625.8	616.1	616.1	612.9	625.8	632.3	638.7	645.2
77.5°	832.3	835.5	835.5	838.7	842.0	845.2	845.2	867.8	883.9	893.6	903.2
75°	1038.7	1048.4	1058.1	1067.8	1080.7	1087.1	1096.8	1129.1	1154.9	1174.2	1193.6
72.5°	1322.6	1335.5	1351.6	1374.2	1396.8	1412.9	1435.5	1474.2	1503.3	1522.6	1545.2
70°	1809.7	1822.6	1838.7	1854.9	1877.5	1893.6	1916.2	1964.6	1993.6	2006.5	2019.4
67.5°	2532.3	2564.6	2593.6	2561.3	2545.2	2522.6	2529.1	2574.2	2603.3	2622.6	2619.4
65°	3174.3	3196.8	3196.8	3193.6	3180.7	3151.7	3167.8	3222.6	3254.9	3271.0	3222.6
62.5°	3929.1	3929.1	3913.0	3938.8	3942.0	3922.7	3913.0	3916.2	3919.4	3929.1	3848.5
60°	4451.7	4484.0	4493.6	4516.2	4522.7	4522.7	4538.8	4551.7	4551.7	4532.4	4438.8
57.5°	5142.0	5203.3	5216.2	5200.1	5167.8	5125.9	5119.5	5100.1	5061.4	5022.7	4977.5
55°	5838.8	5871.1	5867.9	5858.2	5825.9	5777.5	5784.0	5758.2	5696.9	5648.5	5587.2
52.5°	6538.8	6616.3	6629.2	6609.8	6564.7	6513.0	6516.3	6487.2	6425.9	6374.3	6290.5
50°	7432.4	7496.9	7490.5	7458.2	7393.7	7355.0	7358.2	7303.4	7232.4	7216.3	7106.6
47.5°	8455.0	8529.2	8516.3	8471.1	8384.0	8367.9	8384.0	8313.1	8271.1	8235.7	8106.6
45°	9797.0	9884.1	9835.7	9748.6	9609.9	9626.0	9648.6	9635.7	9545.4	9451.8	9287.3
42.5°	11371.2	11426.0	11368.0	11280.9	11106.7	11138.9	11126.0	11048.6	10993.8	10838.9	10629.3
40°	13055.1	13174.5	13084.1	12948.7	12768.0	12816.4	12780.9	12680.9	12551.9	12358.3	12093.8
37.5°	14871.3	14964.8	14861.6	14703.5	14542.2	14526.1	14455.1	14300.3	14116.4	13903.5	13480.9
35°	16610.0	16852.0	16661.6	16410.0	16213.2	16139.0	16071.3	15713.2	15503.5	15158.4	14580.9
32.5°	17903.6	18081.0	17845.5	17584.2	17345.5	17242.3	17003.6	16577.8	16464.9	15739.0	15210.0
30°	18242.3	18229.4	17984.2	17784.2	17526.2	17455.2	17016.5	16655.2	16293.9	15622.9	15119.7
27.5°	17435.8	17355.2	17119.7	16945.5	16690.7	16606.8	16174.5	15981.0	15422.9	14855.1	14429.3
25°	15639.0	15681.0	15503.5	15416.4	15248.7	15068.1	14897.1	14635.8	14287.4	13790.6	13400.3
22.5°	14222.9	14277.7	14203.5	14100.3	13971.3	13871.3	13742.2	13539.0	13203.5	12897.0	12529.3
20°	13435.8	13419.6	13355.1	13277.7	13155.1	13084.1	12942.2	12771.2	12513.2	12248.6	11851.9
17.5°	13022.8	12922.8	12861.6	12832.5	12768.0	12677.7	12509.9	12335.7	12135.7	11835.7	11545.4
15°	12716.4	12732.5	12684.1	12661.6	12609.9	12484.1	12313.2	12171.2	11900.2	11748.6	11484.1
12.5°	12697.0	12680.9	12684.1	12674.5	12609.9	12448.6	12361.5	12180.9	12006.7	11806.7	11503.5
10°	12926.1	12755.1	12768.0	12813.2	12709.9	12580.9	12487.4	12290.6	12126.1	11871.2	11571.2
7.5°	12913.2	12826.1	12851.9	12777.7	12809.9	12651.9	12522.8	12326.1	12119.6	11848.6	11577.7
5°	12990.6	12858.3	12835.7	12842.2	12761.6	12642.2	12468.0	12280.9	12087.3	11784.1	11506.7
2.5°	12813.2	12832.5	12729.3	12690.6	12680.9	12480.9	12319.6	12139.0	11939.0	11671.2	11422.8
0°	12680.9	12716.4	12609.9	12555.1	12551.9	12380.9	12277.7	12071.2	11929.3	11706.7	11406.7
-2.5°	12609.9	12651.9	12664.8	12564.8	12468.0	12335.7	12161.5	11939.0	11706.7	11448.6	11190.6
-5°	12616.4	12532.5	12497.0	12529.3	12445.4	12313.2	12119.6	11922.8	11693.8	11416.4	11093.8
-7.5°	12361.5	12277.7	12271.2	12255.1	12235.7	12109.9	11948.6	11735.7	11503.5	11245.4	10945.4
-10°	11980.9	11919.6	11903.5	11887.3	11835.7	11761.5	11609.9	11416.4	11206.7	10948.6	10629.3
-12.5°	11558.3	11529.3	11468.0	11426.0	11374.4	11287.3	11142.2	10964.7	10755.1	10526.0	10251.8
-15°	11090.6	11035.7	10974.4	10938.9	10864.7	10761.5	10616.3	10451.8	10222.8	9997.0	9738.9
-17.5°	10526.0	10458.3	10390.5	10380.9	10329.2	10171.2	10035.7	9835.7	9635.7	9419.5	9167.9
-20°	9861.5	9767.9	9722.8	9697.0	9626.0	9509.9	9364.7	9180.8	8987.3	8780.8	8490.5



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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°	9126.0	9045.3	8967.9	8919.5	8858.2	8767.9	8629.2	8467.9	8277.6	8045.3	7777.6
-25°	8290.5	8177.6	8129.2	8074.4	8042.1	7958.2	7822.7	7674.4	7477.6	7251.8	6996.9
-27.5°	7335.6	7245.3	7219.5	7142.1	7103.4	7016.3	6903.4	6764.7	6584.0	6371.1	6161.4
-30°	6280.8	6225.9	6184.0	6106.6	6077.5	5984.0	5909.8	5793.7	5629.1	5477.5	5309.8
-32.5°	5196.9	5142.0	5129.1	5093.7	5074.3	5013.0	4929.1	4845.3	4713.0	4600.1	4464.6
-35°	4235.6	4196.9	4200.1	4196.9	4177.5	4132.3	4029.1	4006.5	3909.8	3806.5	3719.4
-37.5°	3467.8	3471.0	3467.8	3464.6	3438.8	3419.4	3345.2	3316.2	3258.1	3158.1	3106.5
-40°	2890.4	2896.8	2893.6	2887.2	2858.1	2848.4	2800.1	2761.3	2738.8	2667.8	2613.0
-42.5°	2422.6	2432.3	2429.1	2425.9	2406.5	2403.3	2377.5	2332.3	2319.4	2277.5	2219.4
-45°	2067.8	2064.6	2058.1	2064.6	2054.9	2045.2	2029.1	2000.0	1983.9	1964.6	1916.2
-47.5°	1787.1	1790.4	1783.9	1783.9	1771.0	1761.3	1754.9	1735.5	1722.6	1706.5	1677.5
-50°	1554.9	1567.8	1564.5	1561.3	1551.6	1545.2	1545.2	1525.8	1506.5	1500.0	1480.7
-52.5°	1374.2	1383.9	1387.1	1393.6	1396.8	1400.0	1390.4	1371.0	1338.7	1335.5	1325.8
-55°	1209.7	1238.7	1258.1	1271.0	1283.9	1293.6	1274.2	1248.4	1216.2	1203.3	1200.0
-57.5°	1096.8	1125.8	1148.4	1167.8	1183.9	1200.0	1180.7	1154.9	1125.8	1109.7	1106.5
-60°	993.6	1019.4	1042.0	1067.8	1090.3	1116.2	1106.5	1087.1	1071.0	1058.1	1045.2
-62.5°	883.9	909.7	935.5	967.8	996.8	1022.6	1025.8	1022.6	1019.4	1022.6	1000.0
-65°	793.6	806.5	822.6	858.1	890.3	919.4	935.5	945.2	961.3	977.4	954.9
-67.5°	696.8	712.9	732.3	758.1	783.9	803.2	825.8	851.6	877.4	903.2	887.1
-70°	609.7	622.6	638.7	651.6	667.8	680.7	700.0	729.0	758.1	783.9	777.4
-72.5°	519.4	532.3	541.9	548.4	558.1	564.5	574.2	600.0	619.4	632.3	632.3
-75°	429.0	441.9	451.6	454.8	461.3	464.5	471.0	480.7	490.3	493.6	496.8
-77.5°	329.0	341.9	351.6	358.1	364.5	371.0	374.2	380.7	383.9	383.9	387.1
-80°	245.2	254.8	261.3	271.0	274.2	280.7	287.1	290.3	293.6	293.6	296.8
-82.5°	174.2	180.6	187.1	193.6	200.0	203.2	209.7	212.9	216.1	219.4	222.6
-85°	116.1	122.6	129.0	135.5	138.7	141.9	145.2	148.4	151.6	154.8	158.1
-87.5°	67.7	71.0	74.2	80.6	83.9	90.3	93.6	90.3	93.6	93.6	93.6
-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°	125.8	125.8	125.8	125.8	122.6	116.1	112.9	106.5	100.0	93.6	87.1
85°	261.3	264.5	264.5	264.5	258.1	254.8	245.2	235.5	222.6	203.2	187.1
82.5°	435.5	438.7	438.7	435.5	429.0	419.4	406.5	390.3	364.5	338.7	316.1
80°	654.9	658.1	658.1	654.9	638.7	622.6	606.5	587.1	554.9	519.4	480.7
77.5°	916.1	922.6	922.6	912.9	890.3	871.0	845.2	812.9	764.5	712.9	661.3
75°	1219.4	1235.5	1238.7	1229.1	1200.0	1164.5	1122.6	1067.8	993.6	929.1	867.8
72.5°	1571.0	1587.1	1600.0	1587.1	1545.2	1496.8	1435.5	1371.0	1296.8	1209.7	1106.5
70°	2032.3	2048.4	2058.1	2016.2	1942.0	1861.3	1787.1	1712.9	1625.8	1519.4	1406.5
67.5°	2613.0	2596.8	2577.5	2493.6	2400.0	2303.3	2200.0	2090.4	1977.5	1864.6	1732.3
65°	3171.0	3125.9	3083.9	2983.9	2864.6	2738.8	2619.4	2496.8	2361.3	2219.4	2093.6
62.5°	3758.1	3661.4	3558.1	3435.6	3313.0	3174.3	3054.9	2909.7	2758.1	2583.9	2422.6
60°	4335.6	4219.4	4116.2	3964.6	3803.3	3616.2	3487.2	3345.2	3167.8	2980.7	2790.4
57.5°	4893.6	4767.8	4654.9	4522.7	4348.5	4145.2	4003.3	3819.4	3632.3	3396.8	3203.3
55°	5487.2	5361.4	5271.1	5122.7	4932.4	4745.3	4590.4	4396.9	4135.6	3884.0	3645.2
52.5°	6167.9	6067.9	5971.1	5819.5	5590.4	5400.1	5229.1	5013.0	4738.8	4429.1	4142.0
50°	6929.2	6877.6	6774.3	6596.9	6335.6	6167.9	5942.1	5655.0	5361.4	5035.6	4677.5
47.5°	7938.9	7855.0	7709.8	7516.3	7296.9	7045.3	6742.1	6406.6	5990.4	5629.1	5248.5
45°	9145.3	8990.5	8803.4	8542.1	8271.1	7987.3	7655.0	7229.2	6671.1	6200.1	5800.1
42.5°	10451.8	10242.1	9987.3	9645.4	9293.7	8945.3	8587.3	8006.6	7309.8	6767.9	6316.3
40°	11816.4	11548.6	11229.3	10732.5	10342.1	9893.8	9484.1	8616.3	7874.4	7287.2	6806.6
37.5°	13151.9	12813.2	12277.7	11674.4	11219.6	10851.8	9951.8	9022.8	8358.2	7713.1	7226.0
35°	14174.5	13887.4	12942.2	12316.4	11926.1	11345.4	10219.6	9267.9	8564.7	8029.2	7271.1
32.5°	14780.9	14039.0	13209.9	12577.7	12255.1	11303.5	10238.9	9338.9	8661.5	8061.5	7155.0
30°	14645.5	13748.7	13022.8	12493.8	11793.8	10938.9	10058.3	9229.2	8571.1	7845.3	7026.0
27.5°	13829.3	13135.8	12487.4	11935.7	11248.6	10480.9	9667.9	8938.9	8326.0	7622.7	6848.5
25°	12906.7	12277.7	11797.0	11316.4	10664.7	9932.5	9216.3	8690.5	8074.4	7380.8	6616.3
22.5°	12058.3	11606.7	11229.3	10726.0	10090.5	9451.8	9006.6	8461.5	7829.2	7126.0	6377.6
20°	11516.4	11209.9	10777.6	10222.8	9722.8	9322.8	8829.2	8251.8	7600.2	6864.7	6174.3
17.5°	11255.1	10900.2	10419.6	10058.3	9674.4	9235.7	8684.0	8071.1	7377.6	6745.3	6196.9
15°	11119.6	10745.4	10429.2	10074.4	9642.1	9180.8	8567.9	7932.4	7377.6	6793.7	6213.0
12.5°	11148.6	10826.0	10480.9	10093.8	9629.2	9135.7	8580.8	7990.5	7416.3	6829.2	6216.3
10°	11238.9	10900.2	10532.5	10103.4	9635.7	9148.6	8616.3	8026.0	7435.6	6845.3	6209.8
7.5°	11271.2	10903.4	10509.9	10077.6	9619.6	9142.1	8622.8	8035.6	7438.9	6842.1	6190.4
5°	11171.2	10838.9	10458.3	10022.8	9574.4	9109.9	8597.0	8022.7	7413.1	6809.8	6142.1
2.5°	11035.7	10768.0	10403.4	9984.1	9529.2	9064.7	8555.0	7964.7	7355.0	6751.8	6080.8
0°	11013.1	10680.9	10313.1	9938.9	9455.0	8964.7	8458.2	7855.0	7248.5	6642.1	5974.3
-2.5°	10864.7	10513.1	10145.4	9738.9	9313.1	8819.5	8287.3	7696.9	7096.9	6500.1	5858.2
-5°	10751.8	10361.5	9971.2	9532.5	9103.4	8609.9	8058.2	7484.0	6896.9	6316.3	5696.9
-7.5°	10600.2	10200.2	9790.5	9332.4	8867.9	8364.7	7819.5	7245.3	6667.9	6090.4	5496.9
-10°	10293.8	9942.1	9558.3	9084.1	8593.7	8090.5	7548.5	6984.0	6406.6	5822.7	5225.9
-12.5°	9922.8	9551.8	9132.4	8697.0	8258.2	7790.5	7248.5	6693.7	6113.0	5525.9	4932.4
-15°	9442.1	9077.6	8648.6	8222.7	7800.2	7351.8	6874.3	6374.3	5784.0	5206.6	4613.0
-17.5°	8842.1	8500.2	8116.3	7709.8	7290.5	6838.9	6374.3	5951.7	5400.1	4858.2	4271.1
-20°	8196.9	7877.6	7532.4	7148.5	6729.2	6287.2	5848.5	5406.6	4929.1	4451.7	3906.5



REPORT NUMBER: P722009
 CATALOG NUMBER: IFLD-L-SA7B-727-U-76

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
-22.5°	7526.0	7203.4	6855.0	6496.9	6109.8	5700.1	5293.7	4871.1	4451.7	4019.4	3558.1
-25°	6751.8	6467.9	6148.5	5800.1	5455.0	5096.9	4709.8	4325.9	3967.8	3593.6	3216.2
-27.5°	5942.1	5680.8	5390.4	5087.2	4790.4	4490.4	4154.9	3800.1	3503.3	3193.6	2880.7
-30°	5090.4	4880.7	4645.3	4380.7	4151.7	3909.8	3629.1	3335.6	3064.6	2829.1	2577.5
-32.5°	4284.0	4106.5	3938.8	3764.6	3538.8	3351.7	3158.1	2942.0	2703.3	2480.7	2300.0
-35°	3590.4	3400.1	3329.1	3200.1	3038.8	2874.3	2732.3	2577.5	2396.8	2200.0	2051.7
-37.5°	3006.5	2893.6	2793.6	2722.6	2616.2	2483.9	2371.0	2258.1	2119.4	1971.0	1822.6
-40°	2551.7	2474.2	2364.6	2329.1	2261.3	2171.0	2054.9	1967.8	1874.2	1761.3	1635.5
-42.5°	2187.1	2129.1	2058.1	1996.8	1967.8	1903.3	1812.9	1729.1	1654.9	1577.5	1480.7
-45°	1887.1	1848.4	1803.3	1748.4	1725.8	1674.2	1609.7	1516.2	1474.2	1409.7	1338.7
-47.5°	1645.2	1625.8	1593.6	1558.1	1525.8	1487.1	1429.1	1371.0	1312.9	1271.0	1216.2
-50°	1454.9	1442.0	1422.6	1393.6	1351.6	1325.8	1287.1	1235.5	1180.7	1145.2	1106.5
-52.5°	1303.3	1290.3	1277.4	1254.9	1222.6	1196.8	1164.5	1122.6	1077.4	1042.0	1009.7
-55°	1187.1	1167.8	1158.1	1138.7	1112.9	1083.9	1054.9	1025.8	987.1	954.9	922.6
-57.5°	1096.8	1071.0	1058.1	1042.0	1016.1	987.1	964.5	935.5	909.7	874.2	845.2
-60°	1025.8	996.8	971.0	954.9	932.3	903.2	880.7	858.1	832.3	803.2	767.8
-62.5°	967.8	932.3	896.8	877.4	854.9	829.0	806.5	783.9	758.1	729.0	696.8
-65°	912.9	871.0	825.8	806.5	783.9	758.1	729.0	712.9	690.3	664.5	632.3
-67.5°	845.2	800.0	761.3	738.7	716.1	693.6	667.8	651.6	629.0	596.8	564.5
-70°	745.2	716.1	690.3	671.0	651.6	632.3	606.5	580.7	554.9	525.8	496.8
-72.5°	619.4	609.7	606.5	596.8	574.2	551.6	525.8	500.0	477.4	454.8	432.3
-75°	500.0	506.5	512.9	509.7	487.1	464.5	441.9	419.4	403.2	383.9	364.5
-77.5°	396.8	403.2	409.7	409.7	393.6	380.7	364.5	348.4	335.5	319.4	300.0
-80°	306.5	316.1	325.8	332.3	319.4	309.7	296.8	283.9	271.0	258.1	245.2
-82.5°	232.3	241.9	251.6	258.1	248.4	241.9	232.3	222.6	212.9	200.0	190.3
-85°	167.7	174.2	180.6	183.9	177.4	171.0	164.5	158.1	151.6	141.9	135.5
-87.5°	96.8	100.0	103.2	106.5	100.0	93.6	90.3	83.9	80.6	74.2	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):

	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°	80.6	74.2	67.7	64.5	58.1	48.4	41.9	35.5	29.0	22.6	19.4
85°	171.0	154.8	135.5	125.8	112.9	100.0	87.1	74.2	61.3	48.4	35.5
82.5°	293.6	274.2	254.8	232.3	203.2	167.7	132.3	109.7	90.3	71.0	54.8
80°	441.9	406.5	374.2	345.2	312.9	267.7	219.4	174.2	122.6	93.6	71.0
77.5°	612.9	571.0	525.8	477.4	425.8	364.5	309.7	251.6	190.3	129.0	90.3
75°	806.5	751.6	690.3	622.6	554.9	474.2	396.8	329.0	258.1	180.6	109.7
72.5°	1022.6	954.9	880.7	790.3	683.9	590.3	496.8	406.5	322.6	229.0	148.4
70°	1300.0	1193.6	1083.9	987.1	851.6	703.2	593.6	490.3	383.9	280.7	187.1
67.5°	1596.8	1467.8	1335.5	1193.6	1022.6	848.4	690.3	574.2	448.4	329.0	222.6
65°	1919.4	1758.1	1590.4	1432.3	1196.8	990.3	812.9	654.9	509.7	374.2	258.1
62.5°	2251.7	2061.3	1867.8	1661.3	1390.4	1135.5	929.1	745.2	567.8	416.1	290.3
60°	2606.5	2383.9	2148.4	1890.4	1574.2	1293.6	1038.7	838.7	629.0	458.1	325.8
57.5°	2980.7	2738.8	2461.3	2112.9	1764.6	1445.2	1164.5	922.6	683.9	496.8	351.6
55°	3387.2	3109.7	2806.5	2345.2	1951.7	1596.8	1290.3	1006.5	742.0	529.0	377.4
52.5°	3825.9	3503.3	3119.4	2590.4	2148.4	1751.6	1406.5	1080.7	796.8	564.5	400.0
50°	4316.2	3909.8	3393.6	2816.2	2319.4	1896.8	1522.6	1161.3	842.0	603.2	419.4
47.5°	4825.9	4387.2	3638.8	3025.9	2493.6	2038.8	1642.0	1232.3	887.1	635.5	438.7
45°	5358.2	4719.5	3893.6	3213.0	2645.2	2167.8	1732.3	1296.8	942.0	664.5	454.8
42.5°	5884.0	4971.1	4116.2	3400.1	2787.2	2283.9	1806.5	1358.1	987.1	693.6	471.0
40°	6132.4	5161.4	4293.6	3529.1	2906.5	2387.1	1871.0	1412.9	1025.8	712.9	487.1
37.5°	6235.6	5277.5	4409.8	3651.7	3000.1	2442.0	1925.8	1461.3	1058.1	732.3	500.0
35°	6258.2	5319.5	4467.8	3735.6	3077.5	2493.6	1967.8	1496.8	1083.9	751.6	512.9
32.5°	6216.3	5306.6	4484.0	3764.6	3125.9	2532.3	1996.8	1522.6	1103.2	771.0	525.8
30°	6122.7	5238.8	4425.9	3761.4	3161.4	2554.9	2016.2	1542.0	1122.6	783.9	532.3
27.5°	5971.1	5119.5	4351.7	3764.6	3180.7	2564.6	2025.8	1551.6	1135.5	793.6	545.2
25°	5784.0	4958.2	4354.9	3758.1	3183.9	2567.8	2025.8	1551.6	1138.7	796.8	554.9
22.5°	5567.9	4958.2	4354.9	3748.5	3164.6	2561.3	2016.2	1545.2	1138.7	803.2	564.5
20°	5580.8	4961.4	4345.3	3729.1	3135.5	2542.0	1993.6	1529.1	1129.1	812.9	571.0
17.5°	5590.4	4954.9	4325.9	3703.3	3096.8	2509.7	1964.6	1506.5	1129.1	822.6	574.2
15°	5590.4	4935.6	4296.9	3664.6	3048.4	2464.6	1922.6	1487.1	1132.3	825.8	580.7
12.5°	5580.8	4900.1	4251.7	3613.0	2990.4	2409.7	1896.8	1480.7	1132.3	829.0	580.7
10°	5561.4	4851.7	4193.6	3548.5	2935.5	2390.4	1883.9	1467.8	1125.8	829.0	580.7
7.5°	5525.9	4793.6	4145.2	3509.7	2903.3	2367.8	1864.6	1448.4	1116.2	822.6	587.1
5°	5471.1	4761.4	4106.5	3464.6	2858.1	2351.7	1851.7	1432.3	1109.7	822.6	580.7
2.5°	5400.1	4722.7	4061.4	3406.5	2806.5	2296.8	1809.7	1396.8	1087.1	809.7	574.2
0°	5284.0	4645.3	3984.0	3325.9	2735.5	2242.0	1767.8	1361.3	1064.5	796.8	567.8
-2.5°	5177.5	4542.0	3884.0	3242.0	2667.8	2193.6	1735.5	1342.0	1054.9	793.6	564.5
-5°	5029.1	4400.1	3751.7	3132.3	2577.5	2145.2	1703.3	1319.4	1045.2	787.1	564.5
-7.5°	4864.6	4251.7	3613.0	3019.4	2487.1	2061.3	1642.0	1283.9	1022.6	774.2	561.3
-10°	4609.8	4029.1	3438.8	2890.4	2390.4	1987.1	1590.4	1251.6	1003.2	761.3	548.4
-12.5°	4338.8	3783.9	3238.8	2732.3	2280.7	1909.7	1532.3	1216.2	980.7	748.4	541.9
-15°	4051.7	3532.3	3029.1	2567.8	2161.3	1816.2	1471.0	1177.4	958.1	732.3	532.3
-17.5°	3751.7	3267.8	2813.0	2400.0	2042.0	1719.4	1406.5	1142.0	932.3	716.1	522.6
-20°	3435.6	2996.8	2593.6	2229.1	1916.2	1622.6	1338.7	1100.0	903.2	696.8	509.7



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CATALOG NUMBER: IFLD-L-SA7B-727-U-76

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
-22.5°	3122.6	2729.1	2367.8	2061.3	1787.1	1522.6	1271.0	1058.1	871.0	674.2	500.0
-25°	2845.2	2477.5	2167.8	1900.0	1661.3	1425.8	1200.0	1016.1	835.5	651.6	487.1
-27.5°	2574.2	2261.3	1971.0	1748.4	1538.7	1332.3	1132.3	971.0	800.0	625.8	474.2
-30°	2322.6	2054.9	1816.2	1600.0	1422.6	1248.4	1074.2	925.8	761.3	600.0	458.1
-32.5°	2093.6	1877.5	1677.5	1471.0	1312.9	1164.5	1019.4	880.7	722.6	574.2	441.9
-35°	1880.7	1712.9	1538.7	1364.5	1203.3	1087.1	961.3	832.3	687.1	545.2	425.8
-37.5°	1690.4	1554.9	1416.2	1267.8	1129.1	1012.9	906.5	783.9	651.6	519.4	409.7
-40°	1525.8	1416.2	1293.6	1174.2	1058.1	948.4	851.6	735.5	616.1	500.0	393.6
-42.5°	1374.2	1290.3	1190.3	1090.3	987.1	890.3	796.8	683.9	580.7	477.4	377.4
-45°	1258.1	1174.2	1093.6	1003.2	916.1	832.3	738.7	638.7	548.4	451.6	361.3
-47.5°	1148.4	1074.2	1000.0	925.8	854.9	777.4	683.9	600.0	512.9	429.0	348.4
-50°	1051.6	980.7	916.1	851.6	790.3	716.1	629.0	561.3	483.9	406.5	332.3
-52.5°	961.3	900.0	835.5	783.9	732.3	658.1	587.1	522.6	454.8	380.7	316.1
-55°	880.7	822.6	764.5	716.1	667.8	603.2	545.2	490.3	425.8	361.3	300.0
-57.5°	803.2	754.9	700.0	654.9	606.5	554.9	506.5	454.8	396.8	341.9	283.9
-60°	732.3	687.1	638.7	593.6	551.6	509.7	464.5	422.6	371.0	319.4	267.7
-62.5°	661.3	622.6	580.7	535.5	503.2	464.5	429.0	387.1	345.2	300.0	238.7
-65°	596.8	561.3	522.6	483.9	454.8	425.8	393.6	354.8	319.4	277.4	212.9
-67.5°	532.3	500.0	467.8	435.5	409.7	387.1	354.8	325.8	296.8	251.6	187.1
-70°	471.0	445.2	416.1	390.3	371.0	345.2	322.6	296.8	271.0	219.4	158.1
-72.5°	412.9	387.1	364.5	345.2	329.0	306.5	287.1	267.7	232.3	183.9	132.3
-75°	345.2	329.0	316.1	300.0	283.9	267.7	251.6	229.0	193.6	148.4	103.2
-77.5°	283.9	274.2	264.5	251.6	238.7	225.8	206.5	183.9	154.8	116.1	83.9
-80°	232.3	222.6	216.1	203.2	193.6	180.6	161.3	141.9	112.9	90.3	67.7
-82.5°	177.4	171.0	164.5	158.1	148.4	135.5	116.1	100.0	83.9	67.7	51.6
-85°	125.8	122.6	116.1	109.7	100.0	90.3	77.4	67.7	58.1	45.2	35.5
-87.5°	64.5	61.3	58.1	54.8	51.6	45.2	38.7	32.3	29.0	22.6	16.1
-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-SA7B-727-U-76

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0
87.5°	12.9	9.7	3.2	0.0
85°	25.8	16.1	6.5	0.0
82.5°	38.7	25.8	9.7	0.0
80°	51.6	32.3	16.1	0.0
77.5°	64.5	38.7	19.4	0.0
75°	77.4	48.4	22.6	0.0
72.5°	87.1	54.8	25.8	0.0
70°	103.2	64.5	29.0	0.0
67.5°	129.0	71.0	32.3	0.0
65°	151.6	77.4	35.5	0.0
62.5°	177.4	83.9	38.7	0.0
60°	200.0	90.3	41.9	0.0
57.5°	222.6	106.5	45.2	0.0
55°	241.9	119.4	48.4	0.0
52.5°	264.5	132.3	51.6	0.0
50°	283.9	145.2	54.8	0.0
47.5°	300.0	158.1	54.8	0.0
45°	312.9	167.7	58.1	0.0
42.5°	322.6	177.4	61.3	0.0
40°	332.3	187.1	64.5	0.0
37.5°	341.9	196.8	64.5	0.0
35°	351.6	206.5	67.7	0.0
32.5°	361.3	216.1	67.7	0.0
30°	367.7	222.6	71.0	0.0
27.5°	377.4	229.0	71.0	0.0
25°	380.7	235.5	74.2	0.0
22.5°	387.1	238.7	74.2	0.0
20°	393.6	245.2	74.2	0.0
17.5°	396.8	248.4	77.4	0.0
15°	396.8	251.6	80.6	0.0
12.5°	400.0	254.8	80.6	0.0
10°	400.0	261.3	77.4	0.0
7.5°	406.5	258.1	77.4	0.0
5°	403.2	258.1	77.4	0.0
2.5°	400.0	254.8	77.4	0.0
0°	396.8	254.8	77.4	0.0
-2.5°	396.8	254.8	77.4	0.0
-5°	396.8	254.8	77.4	0.0
-7.5°	393.6	258.1	77.4	0.0
-10°	387.1	258.1	77.4	0.0
-12.5°	383.9	248.4	77.4	0.0
-15°	380.7	245.2	77.4	0.0
-17.5°	374.2	241.9	74.2	0.0
-20°	367.7	238.7	74.2	0.0



REPORT NUMBER: P722009

CATALOG NUMBER: IFLD-L-SA7B-727-U-76

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	361.3	232.3	74.2	0.0
-25°	354.8	225.8	71.0	0.0
-27.5°	348.4	219.4	71.0	0.0
-30°	338.7	212.9	67.7	0.0
-32.5°	329.0	206.5	67.7	0.0
-35°	322.6	196.8	64.5	0.0
-37.5°	312.9	187.1	64.5	0.0
-40°	303.2	177.4	61.3	0.0
-42.5°	293.6	167.7	58.1	0.0
-45°	280.7	158.1	58.1	0.0
-47.5°	271.0	148.4	54.8	0.0
-50°	254.8	135.5	51.6	0.0
-52.5°	235.5	122.6	48.4	0.0
-55°	216.1	112.9	45.2	0.0
-57.5°	196.8	100.0	45.2	0.0
-60°	177.4	87.1	41.9	0.0
-62.5°	158.1	80.6	38.7	0.0
-65°	138.7	74.2	35.5	0.0
-67.5°	116.1	64.5	32.3	0.0
-70°	96.8	58.1	29.0	0.0
-72.5°	83.9	51.6	25.8	0.0
-75°	71.0	45.2	22.6	0.0
-77.5°	61.3	38.7	19.4	0.0
-80°	48.4	29.0	12.9	0.0
-82.5°	35.5	22.6	9.7	0.0
-85°	22.6	16.1	6.5	0.0
-87.5°	12.9	6.5	3.2	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)