

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: P722178

Luminaire Tested: **IFLD-M-SA4B-827-U-76**

Issue Date: 10/26/2023

Test Information

Test Method: LM-79-2019
Report Number: P722178
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4B-827-U-76
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7x6 Flood distribution lens
Light Source: (64) 2700K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

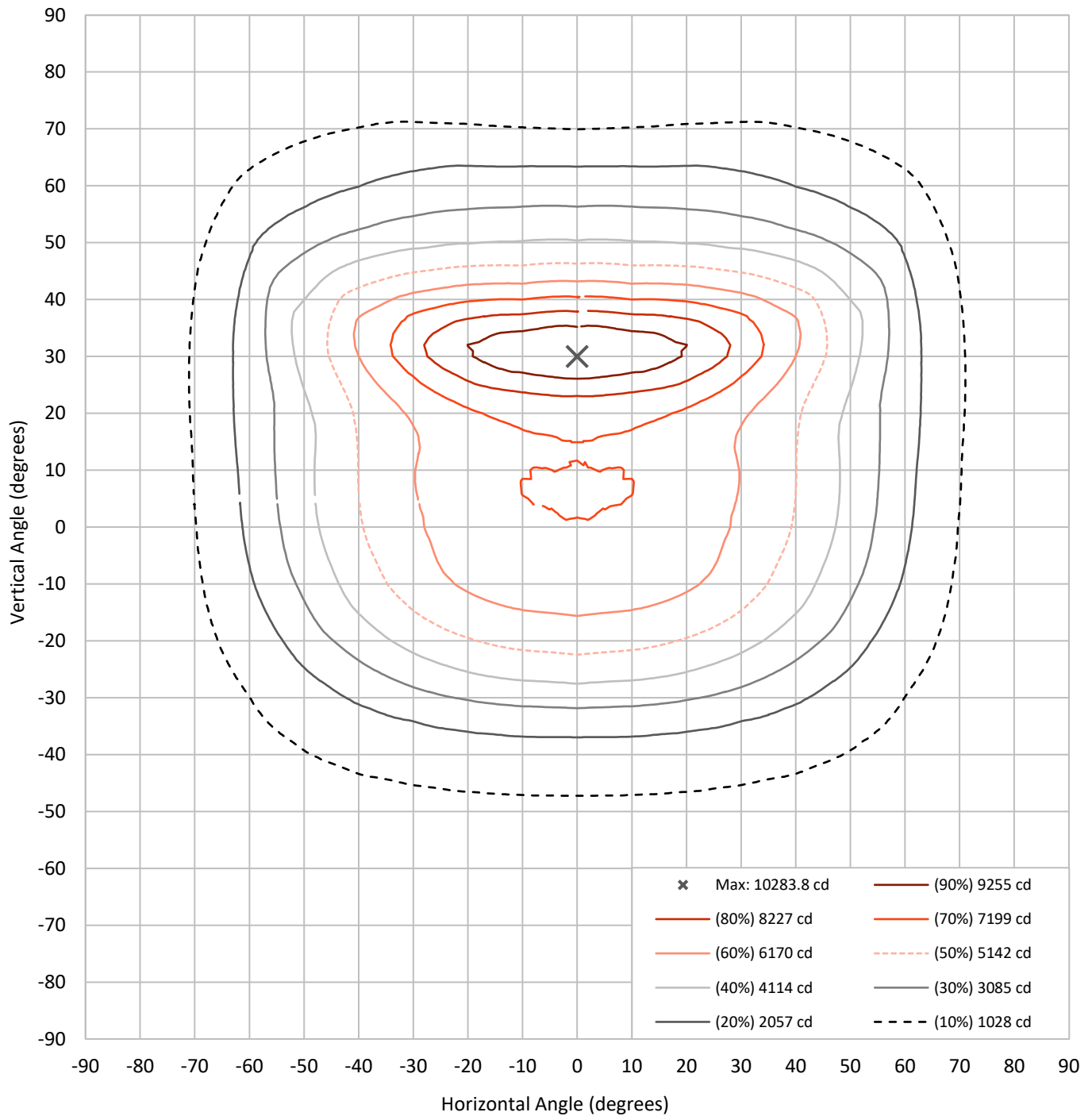
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	17166.2 lumens	Max Intensity:	10283.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	103.3 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 0.5' x H: 0')		
Beam Angle (50%):	90.8°H x 68.8°V	Field Angle (10%):	142°H x 117.1°V
Beam Lumens:	9982.3 lumens	Field Lumens:	16086.9 lumens
Beam Efficiency:	58.2%	Field Efficiency:	93.7%

Input Watts (W): 166.1
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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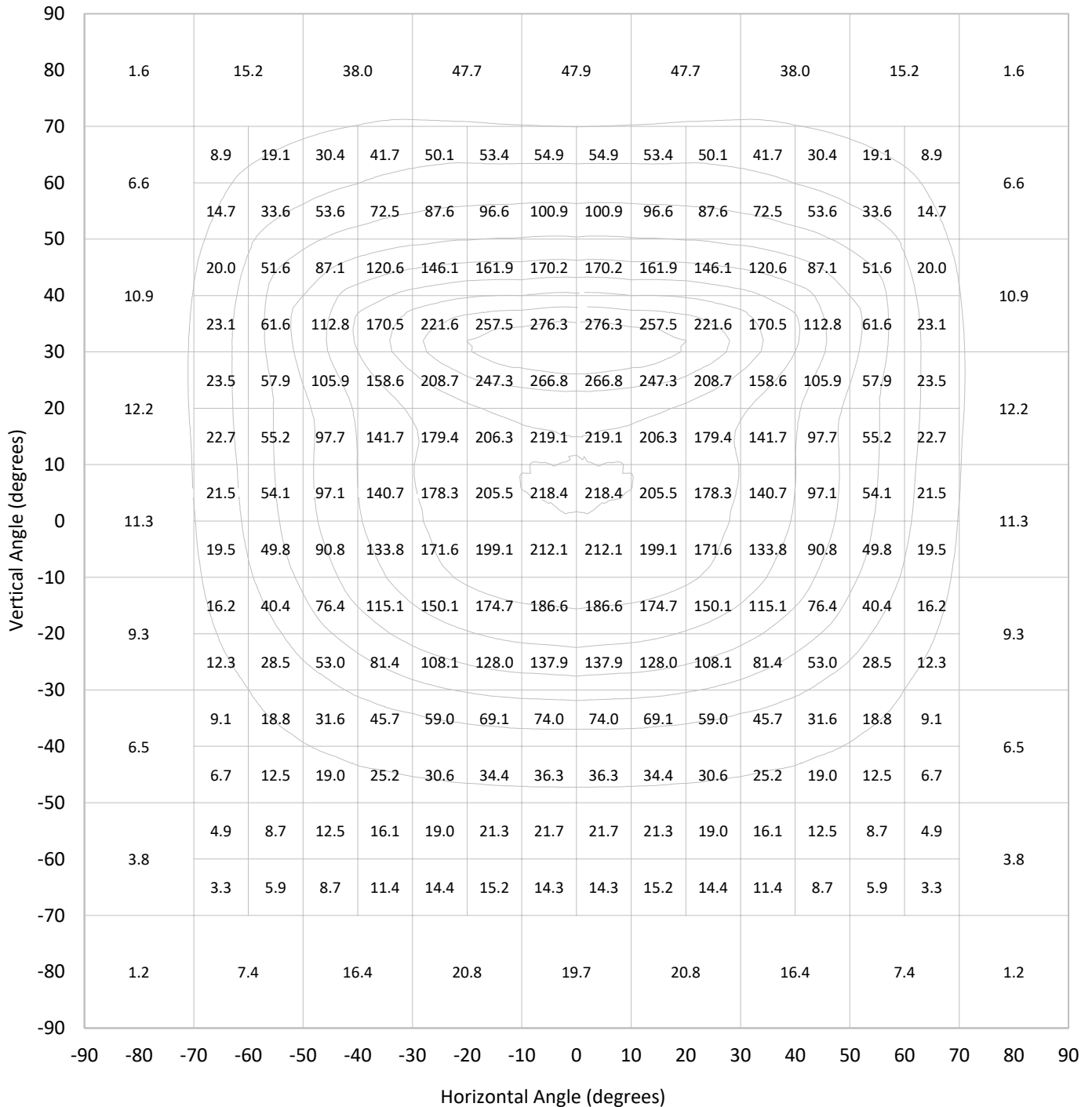
Iso-Candela Plot





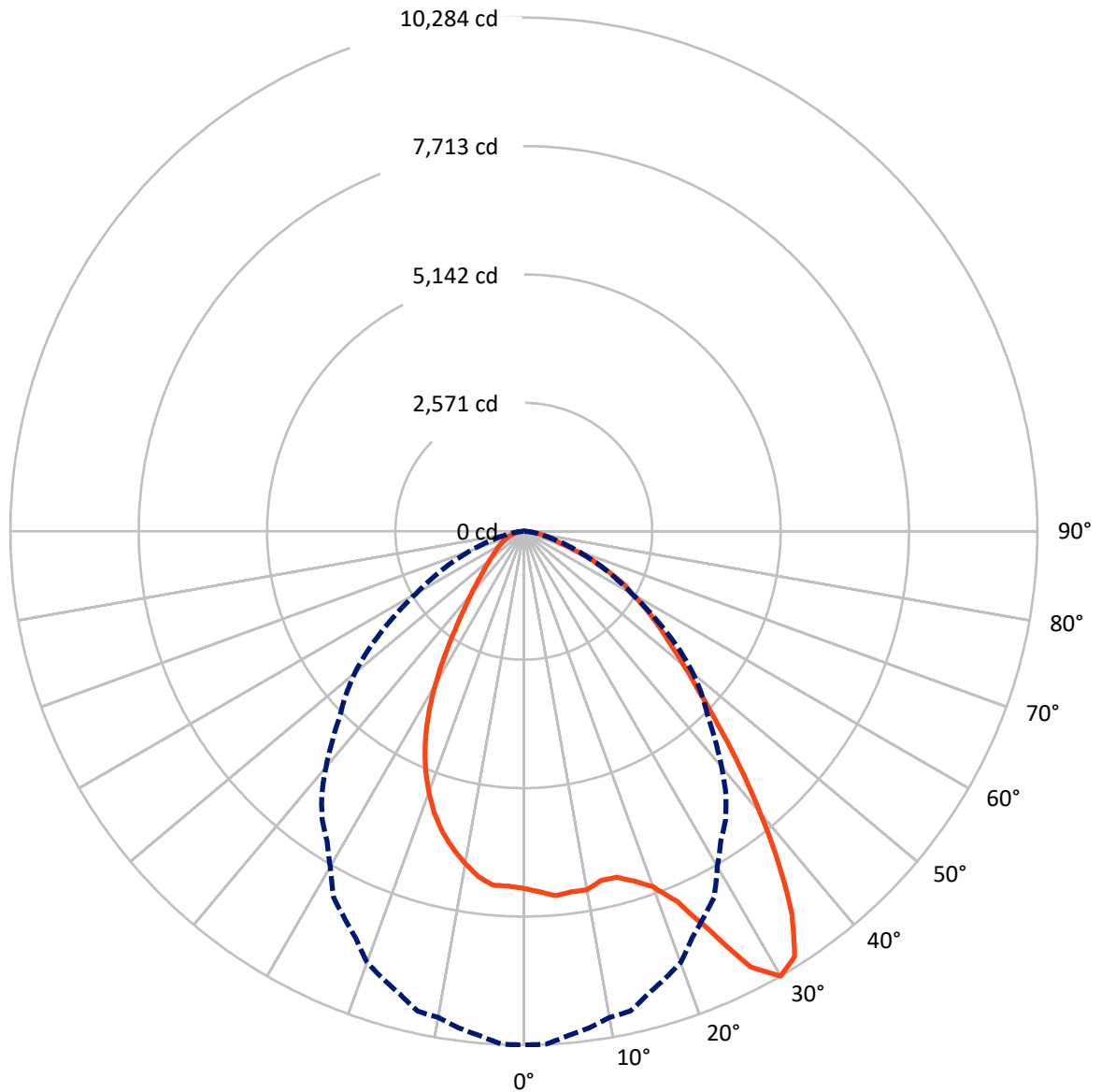
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Lumen Table



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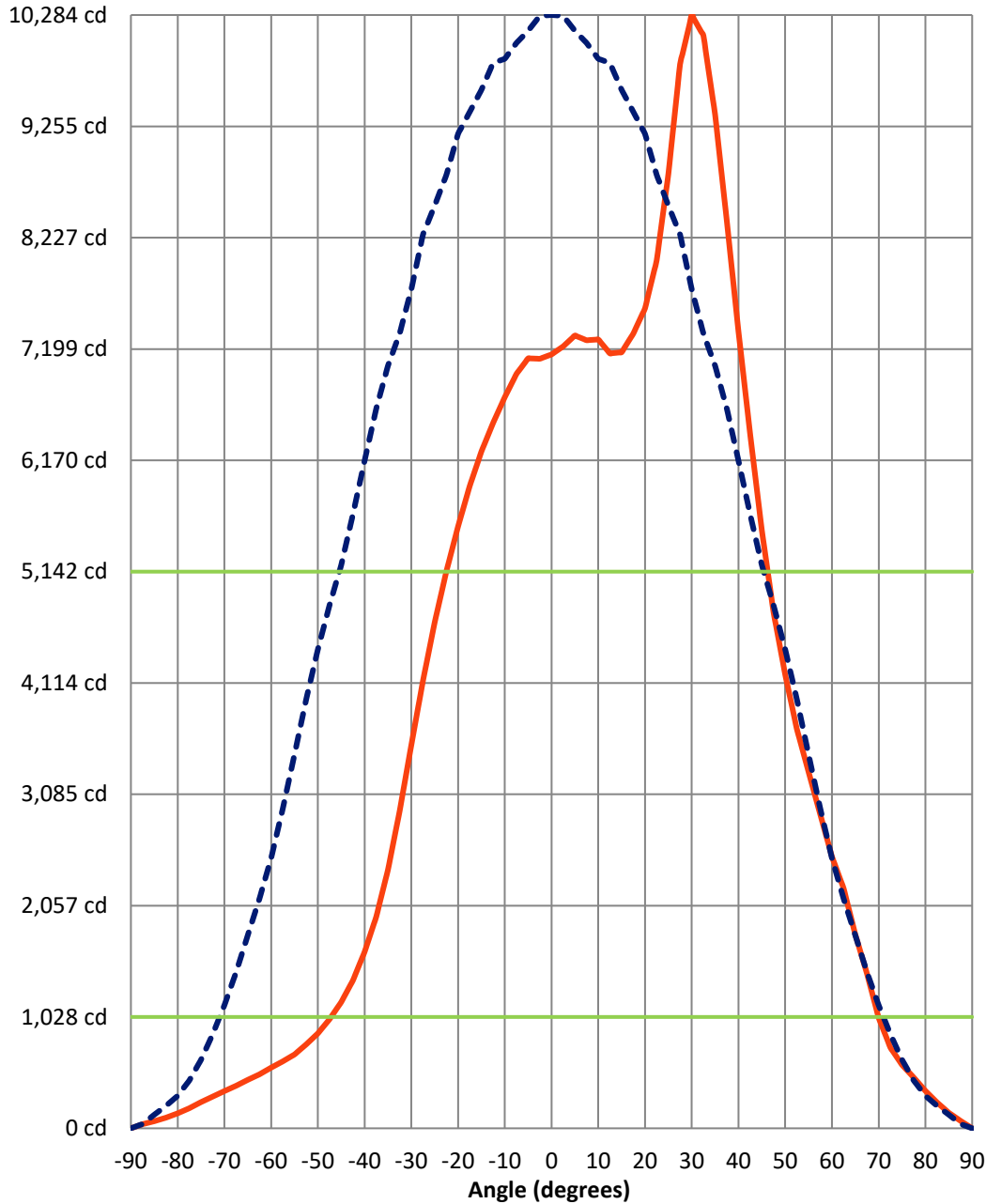
Luminous Intensity Polar Plot



— 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: 9982.3
 Efficiency: 58.2%

Field:
 H Angle: 142°
 V Angle: 117.1°
 Lumens: 16086.9
 Efficiency: 93.7%

Spill:
 Lumens: 1079.2
 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°	69.1	70.9	72.7	72.7	70.9	70.9	70.9	69.1	70.9	70.9	70.9
85°	143.7	147.3	150.9	149.1	147.3	143.7	140.0	141.8	143.7	145.5	145.5
82.5°	238.2	243.7	247.3	245.5	241.9	238.2	234.6	236.4	240.0	241.9	241.9
80°	345.5	347.3	349.2	352.8	347.3	347.3	345.5	352.8	356.4	360.1	363.7
77.5°	469.2	471.0	471.0	472.8	474.6	476.5	476.5	489.2	498.3	503.7	509.2
75°	585.6	591.0	596.5	601.9	609.2	612.8	618.3	636.5	651.0	661.9	672.9
72.5°	745.6	752.9	762.0	774.7	787.4	796.5	809.2	831.1	847.4	858.3	871.1
70°	1020.2	1027.5	1036.6	1045.7	1058.4	1067.5	1080.2	1107.5	1123.8	1131.1	1138.4
67.5°	1427.5	1445.7	1462.1	1443.9	1434.8	1422.1	1425.7	1451.2	1467.6	1478.5	1476.6
65°	1789.4	1802.2	1802.2	1800.3	1793.1	1776.7	1785.8	1816.7	1834.9	1844.0	1816.7
62.5°	2215.0	2215.0	2205.9	2220.4	2222.2	2211.3	2205.9	2207.7	2209.5	2215.0	2169.5
60°	2509.6	2527.8	2533.2	2545.9	2549.6	2549.6	2558.7	2565.9	2565.9	2555.0	2502.3
57.5°	2898.7	2933.3	2940.6	2931.5	2913.3	2889.6	2886.0	2875.1	2853.3	2831.4	2806.0
55°	3291.5	3309.7	3307.9	3302.4	3284.3	3257.0	3260.6	3246.1	3211.5	3184.2	3149.7
52.5°	3686.2	3729.8	3737.1	3726.2	3700.7	3671.6	3673.4	3657.1	3622.5	3593.4	3546.1
50°	4189.9	4226.3	4222.6	4204.4	4168.1	4146.2	4148.1	4117.1	4077.1	4068.0	4006.2
47.5°	4766.4	4808.2	4800.9	4775.5	4726.4	4717.3	4726.4	4686.3	4662.7	4642.7	4570.0
45°	5522.9	5572.0	5544.7	5495.6	5417.4	5426.5	5439.2	5431.9	5381.0	5328.3	5235.5
42.5°	6410.3	6441.2	6408.5	6359.4	6261.2	6279.4	6272.1	6228.5	6197.5	6110.3	5992.0
40°	7359.6	7426.9	7375.9	7299.6	7197.7	7225.0	7205.0	7148.6	7075.9	6966.8	6817.7
37.5°	8383.4	8436.1	8378.0	8288.8	8197.9	8188.8	8148.8	8061.5	7957.9	7837.9	7599.6
35°	9363.6	9500.0	9392.7	9250.8	9139.9	9098.1	9059.9	8858.0	8739.8	8545.3	8219.7
32.5°	10092.8	10192.8	10060.1	9912.8	9778.2	9720.0	9585.5	9345.4	9281.8	8872.6	8574.4
30°	10283.8	10276.5	10138.3	10025.5	9880.1	9840.0	9592.7	9389.1	9185.4	8807.1	8523.4
27.5°	9829.1	9783.7	9650.9	9552.7	9409.1	9361.8	9118.1	9009.0	8694.4	8374.3	8134.3
25°	8816.2	8839.9	8739.8	8690.7	8596.2	8494.3	8398.0	8250.7	8054.3	7774.2	7554.2
22.5°	8017.9	8048.8	8007.0	7948.8	7876.0	7819.7	7746.9	7632.4	7443.2	7270.5	7063.2
20°	7574.2	7565.1	7528.7	7485.1	7416.0	7375.9	7295.9	7199.5	7054.1	6904.9	6681.3
17.5°	7341.4	7285.0	7250.5	7234.1	7197.7	7146.8	7052.2	6954.0	6841.3	6672.2	6508.5
15°	7168.6	7177.7	7150.4	7137.7	7108.6	7037.7	6941.3	6861.3	6708.5	6623.1	6474.0
12.5°	7157.7	7148.6	7150.4	7145.0	7108.6	7017.7	6968.6	6866.8	6768.6	6655.8	6484.9
10°	7286.8	7190.5	7197.7	7223.2	7165.0	7092.3	7039.5	6928.6	6835.8	6692.2	6523.1
7.5°	7279.6	7230.5	7245.0	7203.2	7221.4	7132.3	7059.5	6948.6	6832.2	6679.4	6526.7
5°	7323.2	7248.6	7235.9	7239.6	7194.1	7126.8	7028.6	6923.1	6814.0	6643.1	6486.7
2.5°	7223.2	7234.1	7175.9	7154.1	7148.6	7035.9	6945.0	6843.1	6730.4	6579.4	6439.4
0°	7148.6	7168.6	7108.6	7077.7	7075.9	6979.5	6921.3	6804.9	6724.9	6599.4	6430.3
-2.5°	7108.6	7132.3	7139.5	7083.2	7028.6	6954.0	6855.8	6730.4	6599.4	6454.0	6308.5
-5°	7112.3	7065.0	7045.0	7063.2	7015.9	6941.3	6832.2	6721.3	6592.2	6435.8	6253.9
-7.5°	6968.6	6921.3	6917.7	6908.6	6897.7	6826.8	6735.8	6615.8	6484.9	6339.4	6170.3
-10°	6754.0	6719.5	6710.4	6701.3	6672.2	6630.3	6544.9	6435.8	6317.6	6172.1	5992.0
-12.5°	6515.8	6499.4	6464.9	6441.2	6412.1	6363.0	6281.2	6181.2	6063.0	5933.9	5779.3
-15°	6252.1	6221.2	6186.6	6166.6	6124.8	6066.6	5984.8	5892.0	5762.9	5635.6	5490.1
-17.5°	5933.9	5895.7	5857.5	5852.0	5822.9	5733.8	5657.4	5544.7	5431.9	5310.1	5168.3
-20°	5559.2	5506.5	5481.0	5466.5	5426.5	5361.0	5279.2	5175.5	5066.4	4950.0	4786.4



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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°	5144.6	5099.1	5055.5	5028.2	4993.7	4942.8	4864.6	4773.6	4666.3	4535.4	4384.5
-25°	4673.6	4610.0	4582.7	4551.8	4533.6	4486.3	4409.9	4326.3	4215.3	4088.0	3944.4
-27.5°	4135.3	4084.4	4069.9	4026.2	4004.4	3955.3	3891.6	3813.5	3711.6	3591.6	3473.4
-30°	3540.7	3509.8	3486.1	3442.5	3426.1	3373.4	3331.5	3266.1	3173.3	3087.9	2993.3
-32.5°	2929.6	2898.7	2891.5	2871.5	2860.5	2826.0	2778.7	2731.4	2656.9	2593.2	2516.8
-35°	2387.7	2365.9	2367.7	2365.9	2355.0	2329.5	2271.3	2258.6	2204.1	2145.9	2096.8
-37.5°	1954.9	1956.7	1954.9	1953.1	1938.5	1927.6	1885.8	1869.4	1836.7	1780.3	1751.2
-40°	1629.4	1633.0	1631.2	1627.6	1611.2	1605.8	1578.5	1556.7	1543.9	1503.9	1473.0
-42.5°	1365.7	1371.2	1369.4	1367.5	1356.6	1354.8	1340.3	1314.8	1307.5	1283.9	1251.1
-45°	1165.7	1163.9	1160.2	1163.9	1158.4	1152.9	1143.9	1127.5	1118.4	1107.5	1080.2
-47.5°	1007.5	1009.3	1005.6	1005.6	998.4	992.9	989.3	978.4	971.1	962.0	945.6
-50°	876.5	883.8	882.0	880.2	874.7	871.1	871.1	860.2	849.3	845.6	834.7
-52.5°	774.7	780.1	782.0	785.6	787.4	789.2	783.8	772.9	754.7	752.9	747.4
-55°	681.9	698.3	709.2	716.5	723.8	729.2	718.3	703.8	685.6	678.3	676.5
-57.5°	618.3	634.7	647.4	658.3	667.4	676.5	665.6	651.0	634.7	625.6	623.8
-60°	560.1	574.7	587.4	601.9	614.7	629.2	623.8	612.8	603.8	596.5	589.2
-62.5°	498.3	512.8	527.4	545.6	561.9	576.5	578.3	576.5	574.7	576.5	563.7
-65°	447.4	454.6	463.7	483.7	501.9	518.3	527.4	532.8	541.9	551.0	538.3
-67.5°	392.8	401.9	412.8	427.4	441.9	452.8	465.5	480.1	494.6	509.2	500.1
-70°	343.7	351.0	360.1	367.3	376.4	383.7	394.6	411.0	427.4	441.9	438.3
-72.5°	292.8	300.1	305.5	309.1	314.6	318.2	323.7	338.2	349.2	356.4	356.4
-75°	241.9	249.1	254.6	256.4	260.0	261.9	265.5	271.0	276.4	278.2	280.1
-77.5°	185.5	192.8	198.2	201.9	205.5	209.1	210.9	214.6	216.4	216.4	218.2
-80°	138.2	143.7	147.3	152.8	154.6	158.2	161.8	163.7	165.5	165.5	167.3
-82.5°	98.2	101.8	105.5	109.1	112.7	114.6	118.2	120.0	121.8	123.7	125.5
-85°	65.5	69.1	72.7	76.4	78.2	80.0	81.8	83.7	85.5	87.3	89.1
-87.5°	38.2	40.0	41.8	45.5	47.3	50.9	52.7	50.9	52.7	52.7	52.7
-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°	70.9	70.9	70.9	70.9	69.1	65.5	63.6	60.0	56.4	52.7	49.1
85°	147.3	149.1	149.1	149.1	145.5	143.7	138.2	132.8	125.5	114.6	105.5
82.5°	245.5	247.3	247.3	245.5	241.9	236.4	229.1	220.0	205.5	190.9	178.2
80°	369.2	371.0	371.0	369.2	360.1	351.0	341.9	331.0	312.8	292.8	271.0
77.5°	516.5	520.1	520.1	514.6	501.9	491.0	476.5	458.3	431.0	401.9	372.8
75°	687.4	696.5	698.3	692.9	676.5	656.5	632.8	601.9	560.1	523.7	489.2
72.5°	885.6	894.7	902.0	894.7	871.1	843.8	809.2	772.9	731.0	681.9	623.8
70°	1145.7	1154.8	1160.2	1136.6	1094.8	1049.3	1007.5	965.6	916.5	856.5	792.9
67.5°	1473.0	1463.9	1453.0	1405.7	1353.0	1298.4	1240.2	1178.4	1114.8	1051.1	976.5
65°	1787.6	1762.2	1738.5	1682.1	1614.9	1543.9	1476.6	1407.5	1331.2	1251.1	1180.2
62.5°	2118.6	2064.0	2005.8	1936.7	1867.6	1789.4	1722.1	1640.3	1554.8	1456.6	1365.7
60°	2444.1	2378.6	2320.4	2235.0	2144.0	2038.6	1965.8	1885.8	1785.8	1680.3	1573.0
57.5°	2758.7	2687.8	2624.1	2549.6	2451.4	2336.8	2256.8	2153.1	2047.7	1914.9	1805.8
55°	3093.3	3022.4	2971.5	2887.8	2780.5	2675.1	2587.8	2478.7	2331.4	2189.5	2054.9
52.5°	3477.0	3420.6	3366.1	3280.6	3151.5	3044.2	2947.8	2826.0	2671.4	2496.8	2335.0
50°	3906.2	3877.1	3818.9	3718.9	3571.6	3477.0	3349.7	3187.9	3022.4	2838.7	2636.9
47.5°	4475.4	4428.1	4346.3	4237.2	4113.5	3971.7	3800.7	3611.6	3377.0	3173.3	2958.7
45°	5155.5	5068.2	4962.8	4815.5	4662.7	4502.7	4315.4	4075.3	3760.7	3495.2	3269.7
42.5°	5892.0	5773.8	5630.2	5437.4	5239.2	5042.8	4840.9	4513.6	4120.8	3815.3	3560.7
40°	6661.3	6510.3	6330.3	6050.2	5830.2	5577.4	5346.5	4857.3	4439.0	4108.1	3837.1
37.5°	7414.1	7223.2	6921.3	6581.2	6324.8	6117.5	5610.2	5086.4	4711.8	4348.1	4073.5
35°	7990.6	7828.8	7295.9	6943.1	6723.1	6395.8	5761.1	5224.6	4828.2	4526.3	4099.0
32.5°	8332.5	7914.2	7446.9	7090.4	6908.6	6372.1	5772.0	5264.6	4882.7	4544.5	4033.5
30°	8256.1	7750.6	7341.4	7043.2	6648.5	6166.6	5670.2	5202.8	4831.8	4422.7	3960.8
27.5°	7796.0	7405.0	7039.5	6728.5	6341.2	5908.4	5450.1	5039.1	4693.6	4297.2	3860.7
25°	7275.9	6921.3	6650.4	6379.4	6012.1	5599.2	5195.5	4899.1	4551.8	4160.8	3729.8
22.5°	6797.7	6543.1	6330.3	6046.6	5688.4	5328.3	5077.3	4770.0	4413.6	4017.1	3595.2
20°	6492.1	6319.4	6075.7	5762.9	5481.0	5255.5	4977.3	4651.8	4284.4	3869.8	3480.7
17.5°	6344.8	6144.8	5873.8	5670.2	5453.8	5206.4	4895.5	4550.0	4159.0	3802.5	3493.4
15°	6268.5	6057.5	5879.3	5679.3	5435.6	5175.5	4830.0	4471.8	4159.0	3829.8	3502.5
12.5°	6284.8	6103.0	5908.4	5690.2	5428.3	5150.1	4837.3	4504.5	4180.8	3849.8	3504.3
10°	6335.7	6144.8	5937.5	5695.6	5431.9	5157.3	4857.3	4524.5	4191.7	3858.9	3500.7
7.5°	6353.9	6146.6	5924.8	5681.1	5422.8	5153.7	4860.9	4530.0	4193.5	3857.1	3489.8
5°	6297.6	6110.3	5895.7	5650.2	5397.4	5135.5	4846.4	4522.7	4179.0	3838.9	3462.5
2.5°	6221.2	6070.2	5864.7	5628.3	5371.9	5110.1	4822.7	4489.9	4146.2	3806.2	3427.9
0°	6208.5	6021.1	5813.8	5602.9	5330.1	5053.7	4768.2	4428.1	4086.2	3744.3	3367.9
-2.5°	6124.8	5926.6	5719.3	5490.1	5250.1	4971.9	4671.8	4339.0	4000.8	3664.3	3302.4
-5°	6061.2	5841.1	5621.1	5373.7	5131.9	4853.6	4542.7	4219.0	3888.0	3560.7	3211.5
-7.5°	5975.7	5750.2	5519.2	5261.0	4999.1	4715.4	4408.1	4084.4	3758.9	3433.4	3098.8
-10°	5802.9	5604.7	5388.3	5121.0	4844.6	4560.9	4255.4	3937.1	3611.6	3282.4	2946.0
-12.5°	5593.8	5384.7	5148.2	4902.7	4655.4	4391.7	4086.2	3773.4	3446.1	3115.1	2780.5
-15°	5322.8	5117.3	4875.5	4635.4	4397.2	4144.4	3875.3	3593.4	3260.6	2935.1	2600.5
-17.5°	4984.6	4791.8	4575.4	4346.3	4109.9	3855.3	3593.4	3355.2	3044.2	2738.7	2407.7
-20°	4620.9	4440.8	4246.3	4029.9	3793.4	3544.3	3297.0	3047.9	2778.7	2509.6	2202.2



REPORT NUMBER: P722178
 CATALOG NUMBER: IFLD-M-SA4B-827-U-76

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
-22.5°	4242.6	4060.8	3864.4	3662.5	3444.3	3213.3	2984.2	2746.0	2509.6	2265.9	2005.8
-25°	3806.2	3646.1	3466.1	3269.7	3075.1	2873.3	2655.0	2438.6	2236.8	2025.8	1813.1
-27.5°	3349.7	3202.4	3038.8	2867.8	2700.5	2531.4	2342.3	2142.2	1974.9	1800.3	1623.9
-30°	2869.6	2751.4	2618.7	2469.6	2340.4	2204.1	2045.8	1880.4	1727.6	1594.8	1453.0
-32.5°	2415.0	2315.0	2220.4	2122.2	1994.9	1889.4	1780.3	1658.5	1523.9	1398.4	1296.6
-35°	2024.0	1916.7	1876.7	1804.0	1713.1	1620.3	1540.3	1453.0	1351.2	1240.2	1156.6
-37.5°	1694.9	1631.2	1574.8	1534.8	1474.8	1400.3	1336.6	1273.0	1194.8	1111.1	1027.5
-40°	1438.5	1394.8	1333.0	1313.0	1274.8	1223.9	1158.4	1109.3	1056.6	992.9	922.0
-42.5°	1233.0	1200.2	1160.2	1125.7	1109.3	1072.9	1022.0	974.7	932.9	889.3	834.7
-45°	1063.8	1042.0	1016.6	985.6	972.9	943.8	907.4	854.7	831.1	794.7	754.7
-47.5°	927.4	916.5	898.4	878.3	860.2	838.3	805.6	772.9	740.1	716.5	685.6
-50°	820.2	812.9	802.0	785.6	762.0	747.4	725.6	696.5	665.6	645.6	623.8
-52.5°	734.7	727.4	720.1	707.4	689.2	674.7	656.5	632.8	607.4	587.4	569.2
-55°	669.2	658.3	652.9	641.9	627.4	611.0	594.7	578.3	556.5	538.3	520.1
-57.5°	618.3	603.8	596.5	587.4	572.8	556.5	543.7	527.4	512.8	492.8	476.5
-60°	578.3	561.9	547.4	538.3	525.6	509.2	496.5	483.7	469.2	452.8	432.8
-62.5°	545.6	525.6	505.6	494.6	481.9	467.4	454.6	441.9	427.4	411.0	392.8
-65°	514.6	491.0	465.5	454.6	441.9	427.4	411.0	401.9	389.2	374.6	356.4
-67.5°	476.5	451.0	429.2	416.4	403.7	391.0	376.4	367.3	354.6	336.4	318.2
-70°	420.1	403.7	389.2	378.3	367.3	356.4	341.9	327.3	312.8	296.4	280.1
-72.5°	349.2	343.7	341.9	336.4	323.7	311.0	296.4	281.9	269.1	256.4	243.7
-75°	281.9	285.5	289.1	287.3	274.6	261.9	249.1	236.4	227.3	216.4	205.5
-77.5°	223.7	227.3	231.0	231.0	221.9	214.6	205.5	196.4	189.1	180.0	169.1
-80°	172.8	178.2	183.7	187.3	180.0	174.6	167.3	160.0	152.8	145.5	138.2
-82.5°	130.9	136.4	141.8	145.5	140.0	136.4	130.9	125.5	120.0	112.7	107.3
-85°	94.6	98.2	101.8	103.7	100.0	96.4	92.7	89.1	85.5	80.0	76.4
-87.5°	54.6	56.4	58.2	60.0	56.4	52.7	50.9	47.3	45.5	41.8	40.0
-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-M-SA4B-827-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°	45.5	41.8	38.2	36.4	32.7	27.3	23.6	20.0	16.4	12.7	10.9
85°	96.4	87.3	76.4	70.9	63.6	56.4	49.1	41.8	34.6	27.3	20.0
82.5°	165.5	154.6	143.7	130.9	114.6	94.6	74.6	61.8	50.9	40.0	30.9
80°	249.1	229.1	210.9	194.6	176.4	150.9	123.7	98.2	69.1	52.7	40.0
77.5°	345.5	321.9	296.4	269.1	240.0	205.5	174.6	141.8	107.3	72.7	50.9
75°	454.6	423.7	389.2	351.0	312.8	267.3	223.7	185.5	145.5	101.8	61.8
72.5°	576.5	538.3	496.5	445.5	385.5	332.8	280.1	229.1	181.9	129.1	83.7
70°	732.9	672.9	611.0	556.5	480.1	396.4	334.6	276.4	216.4	158.2	105.5
67.5°	900.2	827.4	752.9	672.9	576.5	478.3	389.2	323.7	252.8	185.5	125.5
65°	1082.0	991.1	896.5	807.4	674.7	558.3	458.3	369.2	287.3	210.9	145.5
62.5°	1269.3	1162.0	1052.9	936.5	783.8	640.1	523.7	420.1	320.1	234.6	163.7
60°	1469.4	1343.9	1211.1	1065.7	887.4	729.2	585.6	472.8	354.6	258.2	183.7
57.5°	1680.3	1543.9	1387.5	1191.1	994.7	814.7	656.5	520.1	385.5	280.1	198.2
55°	1909.5	1753.1	1582.1	1322.1	1100.2	900.2	727.4	567.4	418.3	298.2	212.8
52.5°	2156.8	1974.9	1758.5	1460.3	1211.1	987.5	792.9	609.2	449.2	318.2	225.5
50°	2433.2	2204.1	1913.1	1587.6	1307.5	1069.3	858.3	654.7	474.6	340.1	236.4
47.5°	2720.5	2473.2	2051.3	1705.8	1405.7	1149.3	925.6	694.7	500.1	358.2	247.3
45°	3020.6	2660.5	2195.0	1811.3	1491.2	1222.1	976.5	731.0	531.0	374.6	256.4
42.5°	3317.0	2802.4	2320.4	1916.7	1571.2	1287.5	1018.4	765.6	556.5	391.0	265.5
40°	3457.0	2909.6	2420.5	1989.5	1638.5	1345.7	1054.7	796.5	578.3	401.9	274.6
37.5°	3515.2	2975.1	2485.9	2058.6	1691.2	1376.6	1085.7	823.8	596.5	412.8	281.9
35°	3527.9	2998.8	2518.7	2105.9	1734.9	1405.7	1109.3	843.8	611.0	423.7	289.1
32.5°	3504.3	2991.5	2527.8	2122.2	1762.2	1427.5	1125.7	858.3	621.9	434.6	296.4
30°	3451.6	2953.3	2495.0	2120.4	1782.2	1440.3	1136.6	869.3	632.8	441.9	300.1
27.5°	3366.1	2886.0	2453.2	2122.2	1793.1	1445.7	1142.0	874.7	640.1	447.4	307.3
25°	3260.6	2795.1	2455.0	2118.6	1794.9	1447.5	1142.0	874.7	641.9	449.2	312.8
22.5°	3138.8	2795.1	2455.0	2113.1	1784.0	1443.9	1136.6	871.1	641.9	452.8	318.2
20°	3146.1	2796.9	2449.6	2102.2	1767.6	1433.0	1123.8	862.0	636.5	458.3	321.9
17.5°	3151.5	2793.3	2438.6	2087.7	1745.8	1414.8	1107.5	849.3	636.5	463.7	323.7
15°	3151.5	2782.3	2422.3	2065.8	1718.5	1389.4	1083.8	838.3	638.3	465.5	327.3
12.5°	3146.1	2762.3	2396.8	2036.8	1685.8	1358.4	1069.3	834.7	638.3	467.4	327.3
10°	3135.1	2735.1	2364.1	2000.4	1654.9	1347.5	1062.0	827.4	634.7	467.4	327.3
7.5°	3115.1	2702.3	2336.8	1978.6	1636.7	1334.8	1051.1	816.5	629.2	463.7	331.0
5°	3084.2	2684.1	2315.0	1953.1	1611.2	1325.7	1043.8	807.4	625.6	463.7	327.3
2.5°	3044.2	2662.3	2289.5	1920.4	1582.1	1294.8	1020.2	787.4	612.8	456.5	323.7
0°	2978.7	2618.7	2245.9	1874.9	1542.1	1263.9	996.6	767.4	600.1	449.2	320.1
-2.5°	2918.7	2560.5	2189.5	1827.6	1503.9	1236.6	978.4	756.5	594.7	447.4	318.2
-5°	2835.1	2480.5	2114.9	1765.8	1453.0	1209.3	960.2	743.8	589.2	443.7	318.2
-7.5°	2742.3	2396.8	2036.8	1702.1	1402.1	1162.0	925.6	723.8	576.5	436.4	316.4
-10°	2598.7	2271.3	1938.5	1629.4	1347.5	1120.2	896.5	705.6	565.6	429.2	309.1
-12.5°	2445.9	2133.1	1825.8	1540.3	1285.7	1076.6	863.8	685.6	552.8	421.9	305.5
-15°	2284.1	1991.3	1707.6	1447.5	1218.4	1023.8	829.2	663.8	540.1	412.8	300.1
-17.5°	2114.9	1842.2	1585.8	1353.0	1151.1	969.3	792.9	643.8	525.6	403.7	294.6
-20°	1936.7	1689.4	1462.1	1256.6	1080.2	914.7	754.7	620.1	509.2	392.8	287.3



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CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
-22.5°	1760.3	1538.5	1334.8	1162.0	1007.5	858.3	716.5	596.5	491.0	380.1	281.9
-25°	1603.9	1396.6	1222.1	1071.1	936.5	803.8	676.5	572.8	471.0	367.3	274.6
-27.5°	1451.2	1274.8	1111.1	985.6	867.4	751.1	638.3	547.4	451.0	352.8	267.3
-30°	1309.3	1158.4	1023.8	902.0	802.0	703.8	605.6	521.9	429.2	338.2	258.2
-32.5°	1180.2	1058.4	945.6	829.2	740.1	656.5	574.7	496.5	407.4	323.7	249.1
-35°	1060.2	965.6	867.4	769.2	678.3	612.8	541.9	469.2	387.3	307.3	240.0
-37.5°	952.9	876.5	798.3	714.7	636.5	571.0	511.0	441.9	367.3	292.8	231.0
-40°	860.2	798.3	729.2	661.9	596.5	534.6	480.1	414.6	347.3	281.9	221.9
-42.5°	774.7	727.4	671.0	614.7	556.5	501.9	449.2	385.5	327.3	269.1	212.8
-45°	709.2	661.9	616.5	565.6	516.5	469.2	416.4	360.1	309.1	254.6	203.7
-47.5°	647.4	605.6	563.7	521.9	481.9	438.3	385.5	338.2	289.1	241.9	196.4
-50°	592.8	552.8	516.5	480.1	445.5	403.7	354.6	316.4	272.8	229.1	187.3
-52.5°	541.9	507.4	471.0	441.9	412.8	371.0	331.0	294.6	256.4	214.6	178.2
-55°	496.5	463.7	431.0	403.7	376.4	340.1	307.3	276.4	240.0	203.7	169.1
-57.5°	452.8	425.5	394.6	369.2	341.9	312.8	285.5	256.4	223.7	192.8	160.0
-60°	412.8	387.3	360.1	334.6	311.0	287.3	261.9	238.2	209.1	180.0	150.9
-62.5°	372.8	351.0	327.3	301.9	283.7	261.9	241.9	218.2	194.6	169.1	134.6
-65°	336.4	316.4	294.6	272.8	256.4	240.0	221.9	200.0	180.0	156.4	120.0
-67.5°	300.1	281.9	263.7	245.5	231.0	218.2	200.0	183.7	167.3	141.8	105.5
-70°	265.5	251.0	234.6	220.0	209.1	194.6	181.9	167.3	152.8	123.7	89.1
-72.5°	232.8	218.2	205.5	194.6	185.5	172.8	161.8	150.9	130.9	103.7	74.6
-75°	194.6	185.5	178.2	169.1	160.0	150.9	141.8	129.1	109.1	83.7	58.2
-77.5°	160.0	154.6	149.1	141.8	134.6	127.3	116.4	103.7	87.3	65.5	47.3
-80°	130.9	125.5	121.8	114.6	109.1	101.8	90.9	80.0	63.6	50.9	38.2
-82.5°	100.0	96.4	92.7	89.1	83.7	76.4	65.5	56.4	47.3	38.2	29.1
-85°	70.9	69.1	65.5	61.8	56.4	50.9	43.6	38.2	32.7	25.5	20.0
-87.5°	36.4	34.6	32.7	30.9	29.1	25.5	21.8	18.2	16.4	12.7	9.1
-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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CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0
87.5°	7.3	5.5	1.8	0.0
85°	14.5	9.1	3.6	0.0
82.5°	21.8	14.5	5.5	0.0
80°	29.1	18.2	9.1	0.0
77.5°	36.4	21.8	10.9	0.0
75°	43.6	27.3	12.7	0.0
72.5°	49.1	30.9	14.5	0.0
70°	58.2	36.4	16.4	0.0
67.5°	72.7	40.0	18.2	0.0
65°	85.5	43.6	20.0	0.0
62.5°	100.0	47.3	21.8	0.0
60°	112.7	50.9	23.6	0.0
57.5°	125.5	60.0	25.5	0.0
55°	136.4	67.3	27.3	0.0
52.5°	149.1	74.6	29.1	0.0
50°	160.0	81.8	30.9	0.0
47.5°	169.1	89.1	30.9	0.0
45°	176.4	94.6	32.7	0.0
42.5°	181.9	100.0	34.6	0.0
40°	187.3	105.5	36.4	0.0
37.5°	192.8	110.9	36.4	0.0
35°	198.2	116.4	38.2	0.0
32.5°	203.7	121.8	38.2	0.0
30°	207.3	125.5	40.0	0.0
27.5°	212.8	129.1	40.0	0.0
25°	214.6	132.8	41.8	0.0
22.5°	218.2	134.6	41.8	0.0
20°	221.9	138.2	41.8	0.0
17.5°	223.7	140.0	43.6	0.0
15°	223.7	141.8	45.5	0.0
12.5°	225.5	143.7	45.5	0.0
10°	225.5	147.3	43.6	0.0
7.5°	229.1	145.5	43.6	0.0
5°	227.3	145.5	43.6	0.0
2.5°	225.5	143.7	43.6	0.0
0°	223.7	143.7	43.6	0.0
-2.5°	223.7	143.7	43.6	0.0
-5°	223.7	143.7	43.6	0.0
-7.5°	221.9	145.5	43.6	0.0
-10°	218.2	145.5	43.6	0.0
-12.5°	216.4	140.0	43.6	0.0
-15°	214.6	138.2	43.6	0.0
-17.5°	210.9	136.4	41.8	0.0
-20°	207.3	134.6	41.8	0.0



REPORT NUMBER: P722178
 CATALOG NUMBER: IFLD-M-SA4B-827-U-76

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	203.7	130.9	41.8	0.0
-25°	200.0	127.3	40.0	0.0
-27.5°	196.4	123.7	40.0	0.0
-30°	190.9	120.0	38.2	0.0
-32.5°	185.5	116.4	38.2	0.0
-35°	181.9	110.9	36.4	0.0
-37.5°	176.4	105.5	36.4	0.0
-40°	170.9	100.0	34.6	0.0
-42.5°	165.5	94.6	32.7	0.0
-45°	158.2	89.1	32.7	0.0
-47.5°	152.8	83.7	30.9	0.0
-50°	143.7	76.4	29.1	0.0
-52.5°	132.8	69.1	27.3	0.0
-55°	121.8	63.6	25.5	0.0
-57.5°	110.9	56.4	25.5	0.0
-60°	100.0	49.1	23.6	0.0
-62.5°	89.1	45.5	21.8	0.0
-65°	78.2	41.8	20.0	0.0
-67.5°	65.5	36.4	18.2	0.0
-70°	54.6	32.7	16.4	0.0
-72.5°	47.3	29.1	14.5	0.0
-75°	40.0	25.5	12.7	0.0
-77.5°	34.6	21.8	10.9	0.0
-80°	27.3	16.4	7.3	0.0
-82.5°	20.0	12.7	5.5	0.0
-85°	12.7	9.1	3.6	0.0
-87.5°	7.3	3.6	1.8	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)