

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: P721964

Luminaire Tested: **IFLD-S-SA3A-722-U-76**

Issue Date: 10/26/2023

Test Information

Test Method: LM-79-2019
Report Number: P721964
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3A-722-U-76
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7x6 Flood distribution lens
Light Source: (48) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

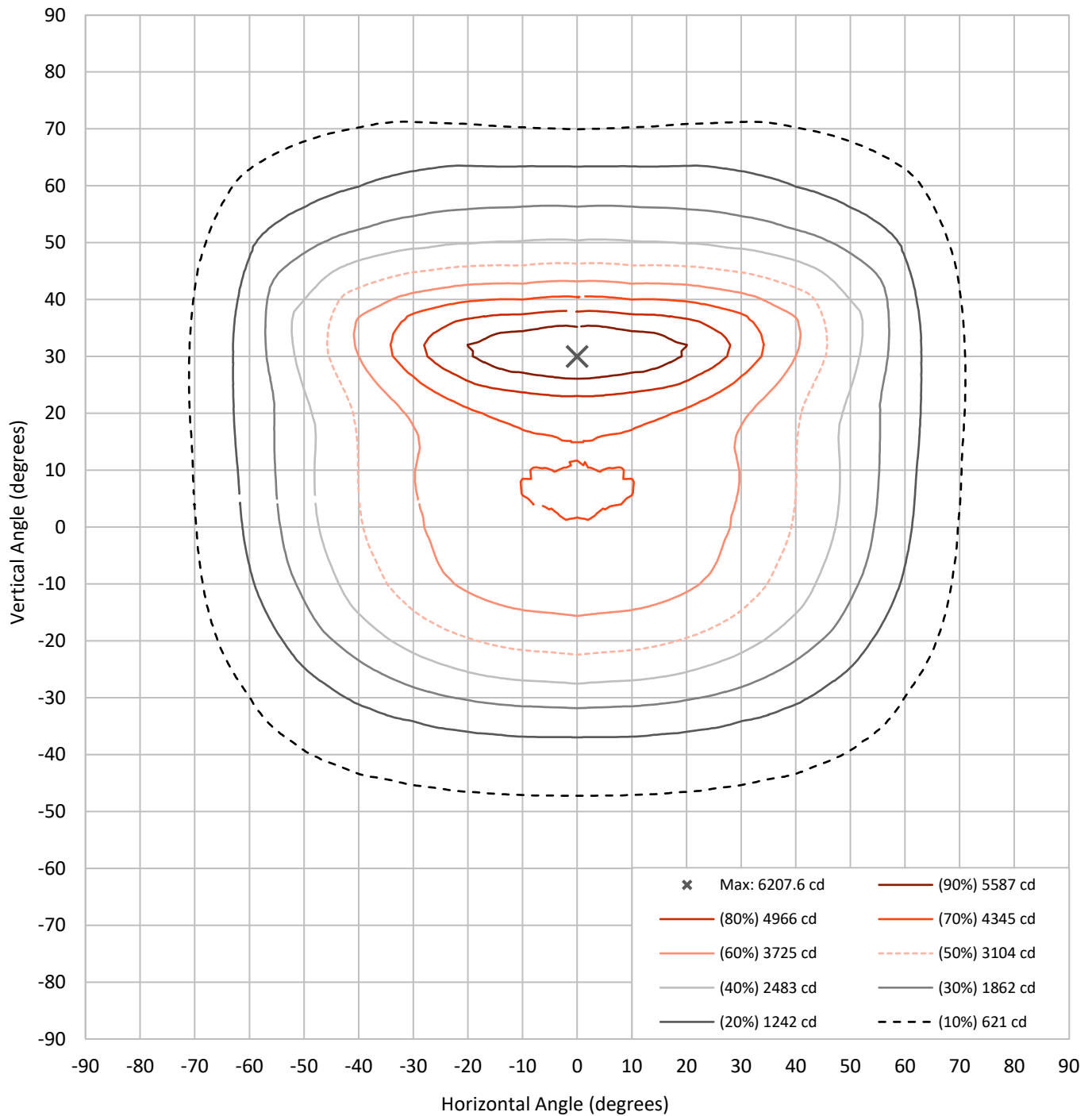
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	10362 lumens	Max Intensity:	6207.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	109.3 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	90.8°H x 68.8°V	Field Angle (10%):	142°H x 117.1°V
Beam Lumens:	6025.7 lumens	Field Lumens:	9710.6 lumens
Beam Efficiency:	58.2%	Field Efficiency:	93.7%

Input Watts (W): 94.8
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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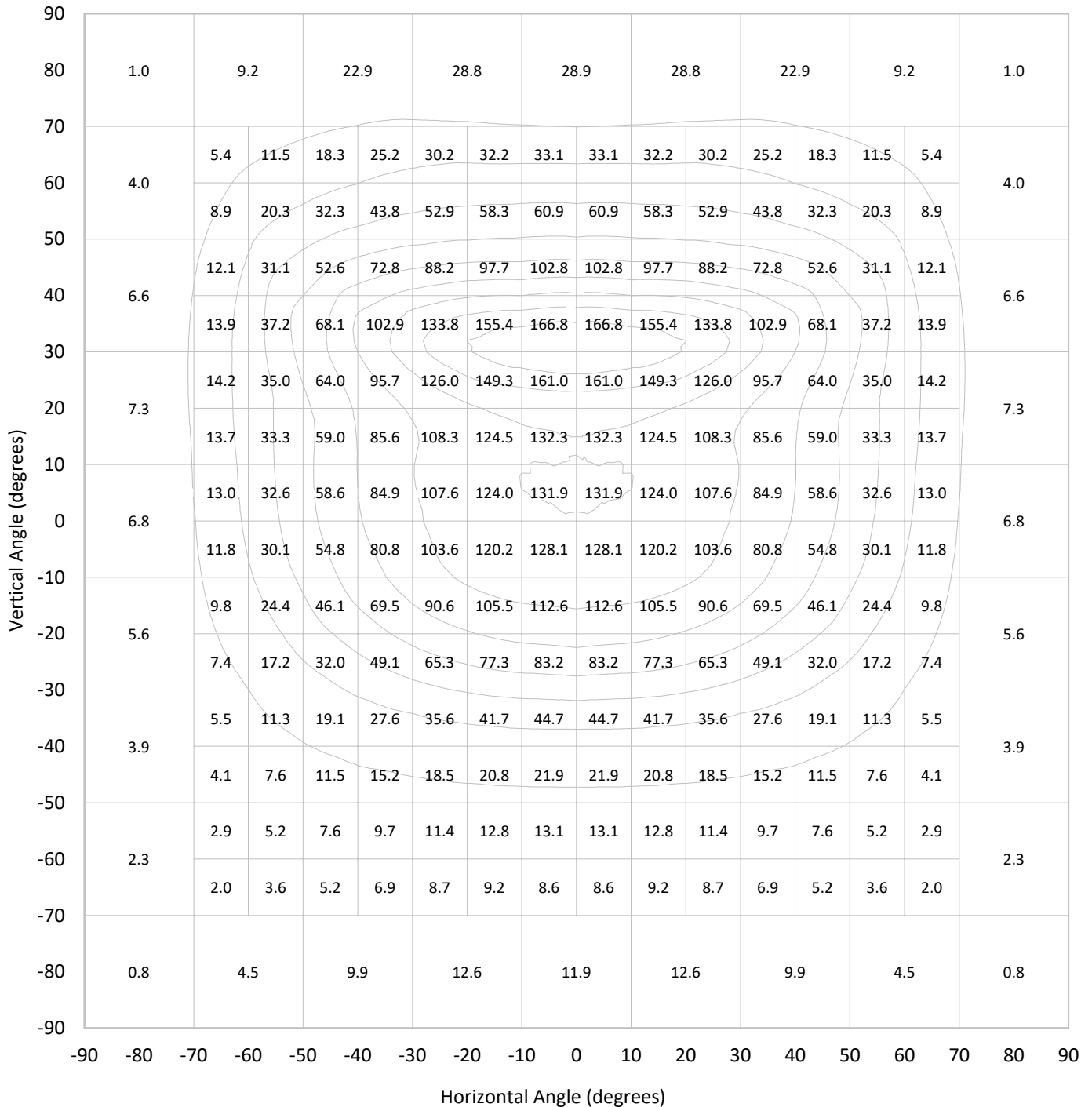
Iso-Candela Plot





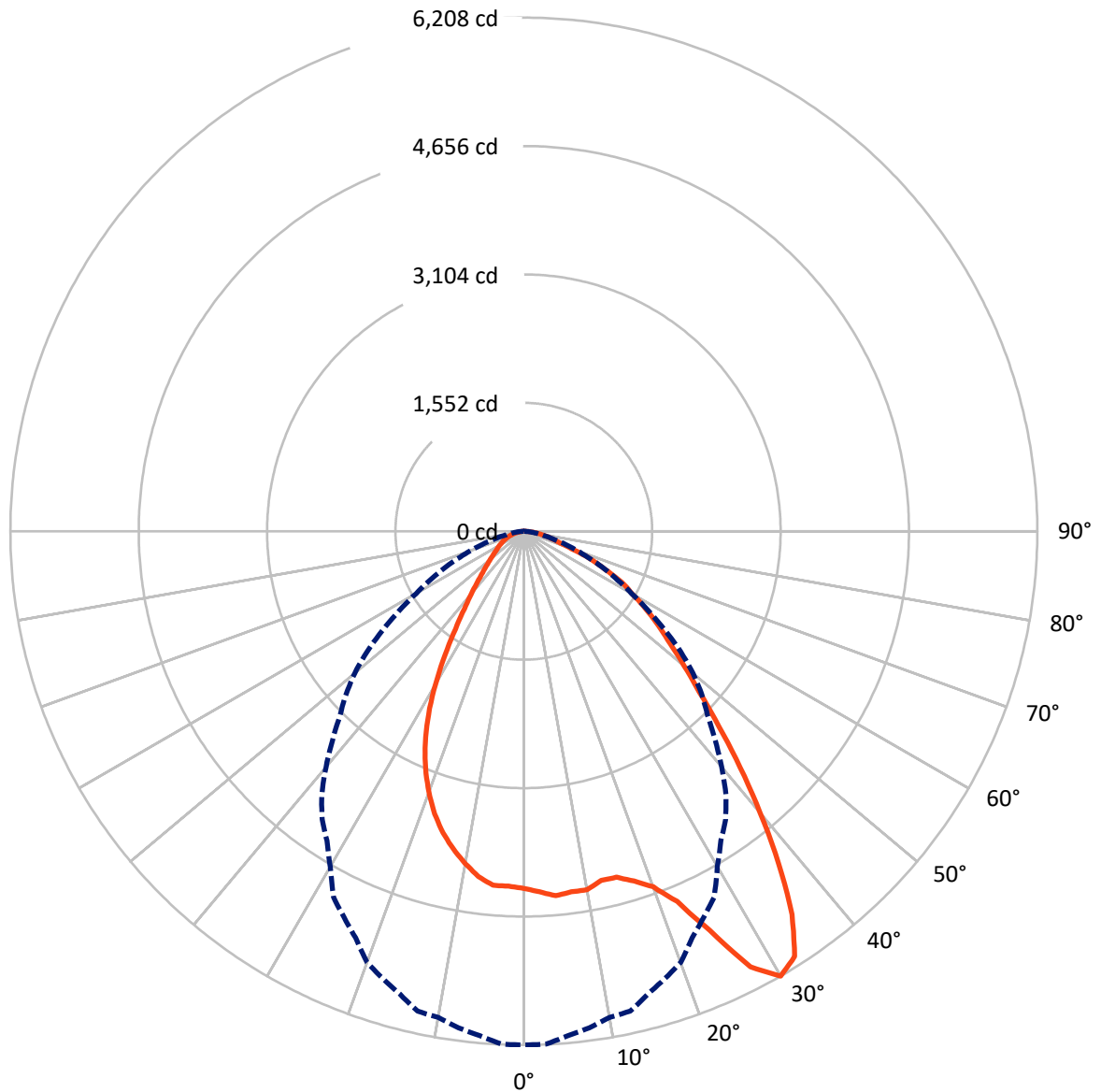
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Lumen Table



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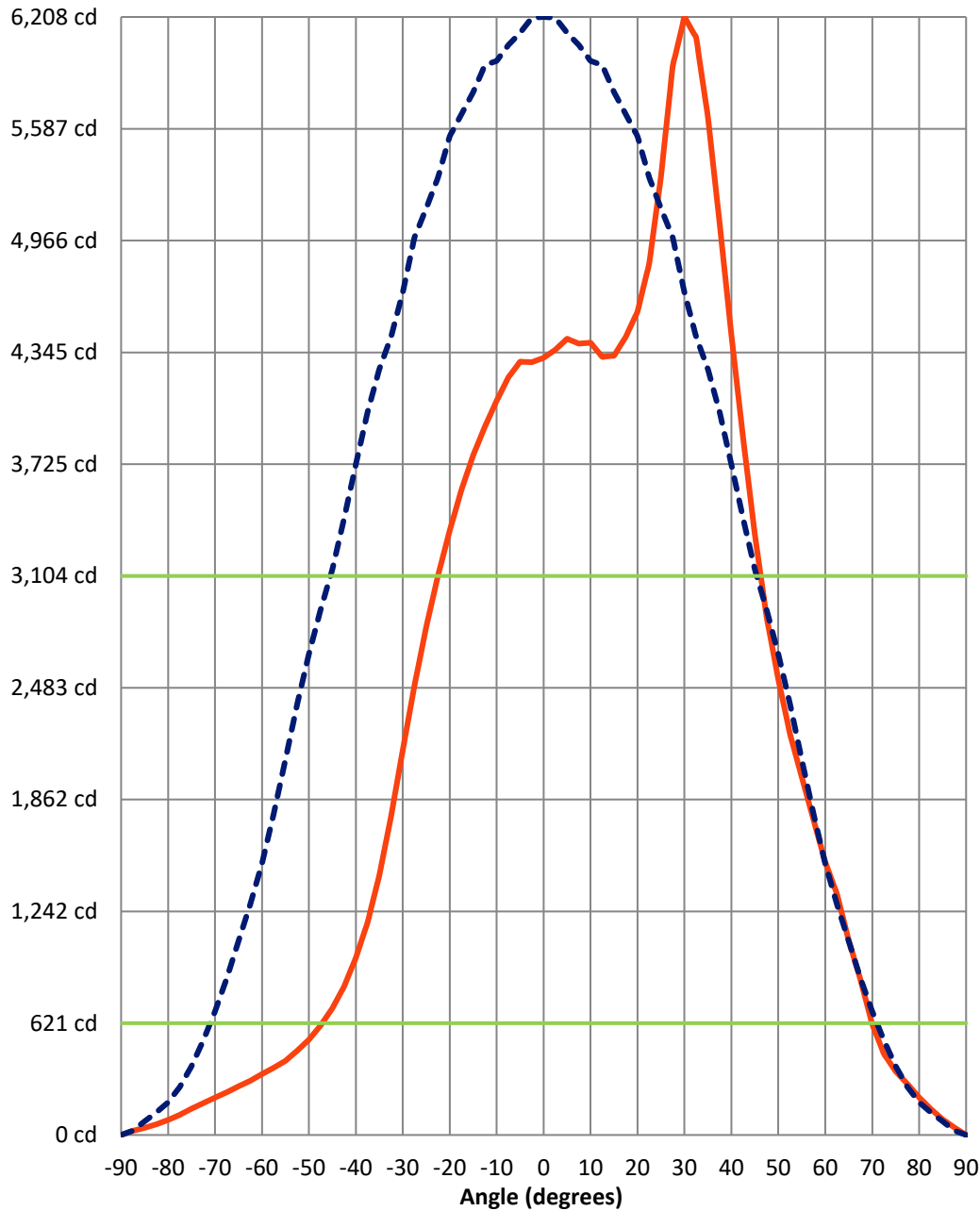
Luminous Intensity Polar Plot



— 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: 6025.7
 Efficiency: 58.2%

Field:
 H Angle: 142°
 V Angle: 117.1°
 Lumens: 9710.6
 Efficiency: 93.7%

Spill:
 Lumens: 651.5
 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°	41.7	42.8	43.9	43.9	42.8	42.8	42.8	41.7	42.8	42.8	42.8
85°	86.7	88.9	91.1	90.0	88.9	86.7	84.5	85.6	86.7	87.8	87.8
82.5°	143.8	147.1	149.3	148.2	146.0	143.8	141.6	142.7	144.9	146.0	146.0
80°	208.6	209.7	210.8	213.0	209.7	209.7	208.6	213.0	215.2	217.3	219.5
77.5°	283.2	284.3	284.3	285.4	286.5	287.6	287.6	295.3	300.8	304.1	307.4
75°	353.5	356.8	360.1	363.3	367.7	369.9	373.2	384.2	393.0	399.6	406.2
72.5°	450.1	454.5	459.9	467.6	475.3	480.8	488.5	501.7	511.5	518.1	525.8
70°	615.8	620.2	625.7	631.2	638.9	644.4	652.0	668.5	678.4	682.8	687.2
67.5°	861.7	872.7	882.6	871.6	866.1	858.4	860.6	876.0	885.9	892.4	891.3
65°	1080.2	1087.8	1087.8	1086.7	1082.4	1072.5	1078.0	1096.6	1107.6	1113.1	1096.6
62.5°	1337.0	1337.0	1331.5	1340.3	1341.4	1334.8	1331.5	1332.6	1333.7	1337.0	1309.6
60°	1514.9	1525.8	1529.1	1536.8	1539.0	1539.0	1544.5	1548.9	1548.9	1542.3	1510.5
57.5°	1749.8	1770.6	1775.0	1769.5	1758.5	1744.3	1742.1	1735.5	1722.3	1709.1	1693.8
55°	1986.9	1997.8	1996.8	1993.5	1982.5	1966.0	1968.2	1959.4	1938.6	1922.1	1901.3
52.5°	2225.1	2251.4	2255.8	2249.2	2233.9	2216.3	2217.4	2207.5	2186.7	2169.1	2140.6
50°	2529.1	2551.1	2548.9	2537.9	2516.0	2502.8	2503.9	2485.2	2461.1	2455.6	2418.3
47.5°	2877.1	2902.4	2898.0	2882.6	2853.0	2847.5	2853.0	2828.8	2814.6	2802.5	2758.6
45°	3333.8	3363.4	3346.9	3317.3	3270.1	3275.6	3283.3	3278.9	3248.2	3216.3	3160.3
42.5°	3869.5	3888.1	3868.4	3838.7	3779.4	3790.4	3786.0	3759.7	3741.0	3688.3	3617.0
40°	4442.5	4483.1	4452.4	4406.2	4344.8	4361.2	4349.2	4315.1	4271.2	4205.4	4115.4
37.5°	5060.5	5092.3	5057.2	5003.4	4948.5	4943.0	4918.9	4866.2	4803.6	4731.2	4587.4
35°	5652.2	5734.5	5669.7	5584.1	5517.1	5491.9	5468.8	5347.0	5275.6	5158.2	4961.7
32.5°	6092.3	6152.7	6072.6	5983.7	5902.4	5867.3	5786.1	5641.2	5602.8	5355.8	5175.7
30°	6207.6	6203.2	6119.8	6051.7	5963.9	5939.8	5790.5	5667.5	5544.6	5316.3	5145.0
27.5°	5933.2	5905.7	5825.6	5766.3	5679.6	5651.1	5504.0	5438.1	5248.2	5055.0	4910.1
25°	5321.7	5336.0	5275.6	5246.0	5188.9	5127.4	5069.3	4980.4	4861.8	4692.8	4559.9
22.5°	4839.8	4858.5	4833.3	4798.1	4754.2	4720.2	4676.3	4607.1	4493.0	4388.7	4263.5
20°	4572.0	4566.5	4544.6	4518.2	4476.5	4452.4	4404.1	4345.9	4258.1	4168.0	4033.0
17.5°	4431.5	4397.5	4376.6	4366.7	4344.8	4314.0	4257.0	4197.7	4129.6	4027.5	3928.7
15°	4327.2	4332.7	4316.2	4308.5	4291.0	4248.2	4190.0	4141.7	4049.5	3997.9	3907.9
12.5°	4320.6	4315.1	4316.2	4312.9	4291.0	4236.1	4206.5	4145.0	4085.7	4017.7	3914.5
10°	4398.6	4340.4	4344.8	4360.1	4325.0	4281.1	4249.3	4182.3	4126.3	4039.6	3937.5
7.5°	4394.2	4364.5	4373.3	4348.1	4359.0	4305.3	4261.3	4194.4	4124.1	4031.9	3939.7
5°	4420.5	4375.5	4367.8	4370.0	4342.6	4302.0	4242.7	4179.0	4113.2	4010.0	3915.6
2.5°	4360.1	4366.7	4331.6	4318.4	4315.1	4247.1	4192.2	4130.7	4062.7	3971.5	3887.0
0°	4315.1	4327.2	4291.0	4272.3	4271.2	4213.0	4177.9	4107.7	4059.4	3983.6	3881.5
-2.5°	4291.0	4305.3	4309.6	4275.6	4242.7	4197.7	4138.4	4062.7	3983.6	3895.8	3808.0
-5°	4293.2	4264.6	4252.6	4263.5	4235.0	4190.0	4124.1	4057.2	3979.2	3884.8	3775.1
-7.5°	4206.5	4177.9	4175.7	4170.2	4163.7	4120.8	4066.0	3993.5	3914.5	3826.7	3724.6
-10°	4076.9	4056.1	4050.6	4045.1	4027.5	4002.3	3950.7	3884.8	3813.5	3725.7	3617.0
-12.5°	3933.1	3923.2	3902.4	3888.1	3870.6	3840.9	3791.5	3731.1	3659.8	3581.9	3488.6
-15°	3774.0	3755.3	3734.4	3722.4	3697.1	3662.0	3612.6	3556.6	3478.7	3401.8	3314.0
-17.5°	3581.9	3558.8	3535.8	3532.5	3514.9	3461.1	3415.0	3346.9	3278.9	3205.3	3119.7
-20°	3355.7	3323.9	3308.5	3299.7	3275.6	3236.1	3186.7	3124.1	3058.2	2988.0	2889.2



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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°	3105.4	3078.0	3051.7	3035.2	3014.3	2983.6	2936.4	2881.5	2816.7	2737.7	2646.6
-25°	2821.1	2782.7	2766.3	2747.6	2736.6	2708.1	2662.0	2611.5	2544.5	2467.7	2381.0
-27.5°	2496.2	2465.5	2456.7	2430.4	2417.2	2387.5	2349.1	2301.9	2240.4	2168.0	2096.6
-30°	2137.3	2118.6	2104.3	2078.0	2068.1	2036.3	2011.0	1971.5	1915.5	1863.9	1806.8
-32.5°	1768.4	1749.8	1745.4	1733.3	1726.7	1705.9	1677.3	1648.8	1603.8	1565.3	1519.2
-35°	1441.3	1428.1	1429.2	1428.1	1421.5	1406.2	1371.1	1363.4	1330.4	1295.3	1265.7
-37.5°	1180.0	1181.1	1180.0	1179.0	1170.2	1163.6	1138.3	1128.5	1108.7	1074.7	1057.1
-40°	983.6	985.8	984.7	982.5	972.6	969.3	952.8	939.6	932.0	907.8	889.2
-42.5°	824.4	827.7	826.6	825.5	818.9	817.8	809.0	793.7	789.3	775.0	755.2
-45°	703.6	702.5	700.3	702.5	699.2	696.0	690.5	680.6	675.1	668.5	652.0
-47.5°	608.1	609.2	607.0	607.0	602.6	599.4	597.2	590.6	586.2	580.7	570.8
-50°	529.1	533.5	532.4	531.3	528.0	525.8	525.8	519.2	512.6	510.4	503.9
-52.5°	467.6	470.9	472.0	474.2	475.3	476.4	473.1	466.5	455.6	454.5	451.2
-55°	411.6	421.5	428.1	432.5	436.9	440.2	433.6	424.8	413.8	409.4	408.4
-57.5°	373.2	383.1	390.8	397.4	402.9	408.4	401.8	393.0	383.1	377.6	376.5
-60°	338.1	346.9	354.6	363.3	371.0	379.8	376.5	369.9	364.4	360.1	355.7
-62.5°	300.8	309.6	318.3	329.3	339.2	348.0	349.1	348.0	346.9	348.0	340.3
-65°	270.0	274.4	279.9	292.0	303.0	312.9	318.3	321.6	327.1	332.6	324.9
-67.5°	237.1	242.6	249.2	258.0	266.7	273.3	281.0	289.8	298.6	307.4	301.9
-70°	207.5	211.9	217.3	221.7	227.2	231.6	238.2	248.1	258.0	266.7	264.6
-72.5°	176.7	181.1	184.4	186.6	189.9	192.1	195.4	204.2	210.8	215.2	215.2
-75°	146.0	150.4	153.7	154.8	157.0	158.1	160.3	163.6	166.9	168.0	169.0
-77.5°	112.0	116.4	119.7	121.8	124.0	126.2	127.3	129.5	130.6	130.6	131.7
-80°	83.4	86.7	88.9	92.2	93.3	95.5	97.7	98.8	99.9	99.9	101.0
-82.5°	59.3	61.5	63.7	65.9	68.1	69.2	71.4	72.4	73.5	74.6	75.7
-85°	39.5	41.7	43.9	46.1	47.2	48.3	49.4	50.5	51.6	52.7	53.8
-87.5°	23.1	24.1	25.2	27.4	28.5	30.7	31.8	30.7	31.8	31.8	31.8
-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°	42.8	42.8	42.8	42.8	41.7	39.5	38.4	36.2	34.0	31.8	29.6
85°	88.9	90.0	90.0	90.0	87.8	86.7	83.4	80.1	75.7	69.2	63.7
82.5°	148.2	149.3	149.3	148.2	146.0	142.7	138.3	132.8	124.0	115.3	107.6
80°	222.8	223.9	223.9	222.8	217.3	211.9	206.4	199.8	188.8	176.7	163.6
77.5°	311.8	313.9	313.9	310.7	303.0	296.4	287.6	276.6	260.2	242.6	225.0
75°	414.9	420.4	421.5	418.2	408.4	396.3	382.0	363.3	338.1	316.1	295.3
72.5°	534.6	540.1	544.5	540.1	525.8	509.3	488.5	466.5	441.3	411.6	376.5
70°	691.6	697.1	700.3	686.1	660.8	633.4	608.1	582.9	553.3	517.0	478.6
67.5°	889.2	883.7	877.1	848.5	816.7	783.8	748.6	711.3	672.9	634.5	589.5
65°	1079.1	1063.7	1049.4	1015.4	974.8	932.0	891.3	849.6	803.5	755.2	712.4
62.5°	1278.8	1245.9	1210.8	1169.1	1127.4	1080.2	1039.5	990.1	938.6	879.3	824.4
60°	1475.3	1435.8	1400.7	1349.1	1294.2	1230.5	1186.6	1138.3	1078.0	1014.3	949.5
57.5°	1665.2	1622.4	1584.0	1539.0	1479.7	1410.6	1362.3	1299.7	1236.0	1155.9	1090.0
55°	1867.2	1824.4	1793.7	1743.2	1678.4	1614.7	1562.1	1496.2	1407.3	1321.7	1240.4
52.5°	2098.8	2064.8	2031.9	1980.3	1902.3	1837.6	1779.4	1705.9	1612.5	1507.2	1409.5
50°	2357.9	2340.3	2305.2	2244.8	2155.9	2098.8	2022.0	1924.3	1824.4	1713.5	1591.7
47.5°	2701.5	2672.9	2623.5	2557.7	2483.0	2397.4	2294.2	2180.1	2038.5	1915.5	1786.0
45°	3112.0	3059.3	2995.7	2906.8	2814.6	2718.0	2604.9	2460.0	2270.1	2109.8	1973.7
42.5°	3556.6	3485.3	3398.5	3282.2	3162.5	3044.0	2922.1	2724.5	2487.4	2303.0	2149.3
40°	4020.9	3929.8	3821.2	3652.1	3519.3	3366.7	3227.3	2932.0	2679.5	2479.7	2316.2
37.5°	4475.4	4360.1	4177.9	3972.6	3817.9	3692.7	3386.5	3070.3	2844.2	2624.6	2458.9
35°	4823.4	4725.7	4404.1	4191.1	4058.3	3860.7	3477.6	3153.7	2914.4	2732.2	2474.3
32.5°	5029.8	4777.3	4495.2	4280.0	4170.2	3846.4	3484.2	3177.9	2947.4	2743.2	2434.7
30°	4983.6	4678.5	4431.5	4251.5	4013.3	3722.4	3422.7	3140.6	2916.6	2669.7	2390.8
27.5°	4705.9	4469.9	4249.3	4061.6	3827.7	3566.5	3289.9	3041.8	2833.2	2593.9	2330.5
25°	4392.0	4177.9	4014.4	3850.8	3629.1	3379.9	3136.2	2957.3	2747.6	2511.6	2251.4
22.5°	4103.3	3949.6	3821.2	3649.9	3433.7	3216.3	3064.8	2879.3	2664.2	2424.9	2170.2
20°	3918.9	3814.6	3667.5	3478.7	3308.5	3172.4	3004.5	2808.0	2586.2	2335.9	2101.0
17.5°	3829.9	3709.2	3545.6	3422.7	3292.1	3142.8	2955.1	2746.5	2510.5	2295.3	2108.7
15°	3783.8	3656.5	3548.9	3428.2	3281.1	3124.1	2915.5	2699.3	2510.5	2311.8	2114.2
12.5°	3793.7	3683.9	3566.5	3434.8	3276.7	3108.7	2919.9	2719.1	2523.7	2323.9	2115.3
10°	3824.5	3709.2	3584.1	3438.1	3278.9	3113.1	2932.0	2731.1	2530.2	2329.4	2113.1
7.5°	3835.4	3710.3	3576.4	3429.3	3273.4	3110.9	2934.2	2734.4	2531.3	2328.3	2106.5
5°	3801.4	3688.3	3558.8	3410.6	3258.0	3100.0	2925.4	2730.0	2522.6	2317.3	2090.1
2.5°	3755.3	3664.2	3540.1	3397.4	3242.7	3084.6	2911.2	2710.3	2502.8	2297.5	2069.2
0°	3747.6	3634.5	3509.4	3382.1	3217.4	3050.6	2878.2	2672.9	2466.6	2260.2	2033.0
-2.5°	3697.1	3577.5	3452.3	3314.0	3169.1	3001.2	2820.0	2619.2	2415.0	2211.9	1993.5
-5°	3658.7	3525.9	3393.1	3243.8	3097.8	2929.8	2742.1	2546.7	2346.9	2149.3	1938.6
-7.5°	3607.1	3471.0	3331.6	3175.7	3017.6	2846.4	2660.9	2465.5	2269.0	2072.5	1870.5
-10°	3502.8	3383.2	3252.5	3091.2	2924.3	2753.1	2568.7	2376.6	2180.1	1981.4	1778.3
-12.5°	3376.6	3250.3	3107.6	2959.5	2810.2	2651.0	2466.6	2277.8	2080.2	1880.4	1678.4
-15°	3213.0	3089.0	2943.0	2798.1	2654.3	2501.7	2339.2	2169.1	1968.2	1771.7	1569.7
-17.5°	3008.8	2892.5	2761.9	2623.5	2480.8	2327.2	2169.1	2025.3	1837.6	1653.2	1453.4
-20°	2789.3	2680.6	2563.2	2432.5	2289.8	2139.5	1990.2	1839.8	1677.3	1514.9	1329.3



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 CATALOG NUMBER: IFLD-S-SA3A-722-U-76

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
-22.5°	2561.0	2451.2	2332.7	2210.8	2079.1	1939.7	1801.4	1657.6	1514.9	1367.8	1210.8
-25°	2297.5	2200.9	2092.3	1973.7	1856.2	1734.4	1602.7	1472.0	1350.2	1222.9	1094.4
-27.5°	2022.0	1933.1	1834.3	1731.1	1630.1	1528.0	1413.9	1293.1	1192.1	1086.7	980.3
-30°	1732.2	1660.8	1580.7	1490.7	1412.8	1330.4	1234.9	1135.0	1042.8	962.7	877.1
-32.5°	1457.8	1397.4	1340.3	1281.0	1204.2	1140.5	1074.7	1001.1	919.9	844.1	782.7
-35°	1221.8	1157.0	1132.8	1088.9	1034.1	978.1	929.8	877.1	815.6	748.6	698.1
-37.5°	1023.1	984.7	950.6	926.5	890.3	845.2	806.8	768.4	721.2	670.7	620.2
-40°	868.3	842.0	804.6	792.6	769.5	738.8	699.2	669.6	637.8	599.4	556.5
-42.5°	744.3	724.5	700.3	679.5	669.6	647.7	616.9	588.4	563.1	536.8	503.9
-45°	642.2	629.0	613.6	595.0	587.3	569.7	547.8	515.9	501.7	479.7	455.6
-47.5°	559.8	553.3	542.3	530.2	519.2	506.0	486.3	466.5	446.8	432.5	413.8
-50°	495.1	490.7	484.1	474.2	459.9	451.2	438.0	420.4	401.8	389.7	376.5
-52.5°	443.5	439.1	434.7	427.0	416.0	407.3	396.3	382.0	366.6	354.6	343.6
-55°	404.0	397.4	394.1	387.5	378.7	368.8	359.0	349.1	335.9	324.9	313.9
-57.5°	373.2	364.4	360.1	354.6	345.8	335.9	328.2	318.3	309.6	297.5	287.6
-60°	349.1	339.2	330.4	324.9	317.2	307.4	299.7	292.0	283.2	273.3	261.3
-62.5°	329.3	317.2	305.2	298.6	290.9	282.1	274.4	266.7	258.0	248.1	237.1
-65°	310.7	296.4	281.0	274.4	266.7	258.0	248.1	242.6	234.9	226.1	215.2
-67.5°	287.6	272.2	259.1	251.4	243.7	236.0	227.2	221.7	214.1	203.1	192.1
-70°	253.6	243.7	234.9	228.3	221.7	215.2	206.4	197.6	188.8	178.9	169.0
-72.5°	210.8	207.5	206.4	203.1	195.4	187.7	178.9	170.1	162.5	154.8	147.1
-75°	170.1	172.3	174.5	173.4	165.8	158.1	150.4	142.7	137.2	130.6	124.0
-77.5°	135.0	137.2	139.4	139.4	133.9	129.5	124.0	118.6	114.2	108.7	102.1
-80°	104.3	107.6	110.9	113.1	108.7	105.4	101.0	96.6	92.2	87.8	83.4
-82.5°	79.0	82.3	85.6	87.8	84.5	82.3	79.0	75.7	72.4	68.1	64.8
-85°	57.1	59.3	61.5	62.6	60.4	58.2	56.0	53.8	51.6	48.3	46.1
-87.5°	32.9	34.0	35.1	36.2	34.0	31.8	30.7	28.5	27.4	25.2	24.1
-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):

	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°	27.4	25.2	23.1	22.0	19.8	16.5	14.3	12.1	9.9	7.7	6.6
85°	58.2	52.7	46.1	42.8	38.4	34.0	29.6	25.2	20.9	16.5	12.1
82.5°	99.9	93.3	86.7	79.0	69.2	57.1	45.0	37.3	30.7	24.1	18.7
80°	150.4	138.3	127.3	117.5	106.5	91.1	74.6	59.3	41.7	31.8	24.1
77.5°	208.6	194.3	178.9	162.5	144.9	124.0	105.4	85.6	64.8	43.9	30.7
75°	274.4	255.8	234.9	211.9	188.8	161.4	135.0	112.0	87.8	61.5	37.3
72.5°	348.0	324.9	299.7	268.9	232.7	200.9	169.0	138.3	109.8	77.9	50.5
70°	442.4	406.2	368.8	335.9	289.8	239.3	202.0	166.9	130.6	95.5	63.7
67.5°	543.4	499.5	454.5	406.2	348.0	288.7	234.9	195.4	152.6	112.0	75.7
65°	653.1	598.3	541.2	487.4	407.3	337.0	276.6	222.8	173.4	127.3	87.8
62.5°	766.2	701.4	635.6	565.3	473.1	386.4	316.1	253.6	193.2	141.6	98.8
60°	887.0	811.2	731.1	643.3	535.7	440.2	353.5	285.4	214.1	155.9	110.9
57.5°	1014.3	932.0	837.6	719.0	600.5	491.8	396.3	313.9	232.7	169.0	119.7
55°	1152.6	1058.2	955.0	798.0	664.1	543.4	439.1	342.5	252.5	180.0	128.4
52.5°	1301.9	1192.1	1061.5	881.5	731.1	596.1	478.6	367.7	271.1	192.1	136.1
50°	1468.7	1330.4	1154.8	958.3	789.3	645.5	518.1	395.2	286.5	205.3	142.7
47.5°	1642.2	1492.9	1238.2	1029.7	848.5	693.8	558.7	419.3	301.9	216.3	149.3
45°	1823.3	1606.0	1324.9	1093.3	900.1	737.7	589.5	441.3	320.5	226.1	154.8
42.5°	2002.2	1691.6	1400.7	1157.0	948.4	777.2	614.7	462.1	335.9	236.0	160.3
40°	2086.8	1756.4	1461.1	1200.9	989.0	812.3	636.7	480.8	349.1	242.6	165.8
37.5°	2121.9	1795.9	1500.6	1242.6	1020.9	831.0	655.3	497.3	360.1	249.2	170.1
35°	2129.6	1810.1	1520.3	1271.2	1047.2	848.5	669.6	509.3	368.8	255.8	174.5
32.5°	2115.3	1805.7	1525.8	1281.0	1063.7	861.7	679.5	518.1	375.4	262.4	178.9
30°	2083.5	1782.7	1506.1	1279.9	1075.8	869.4	686.1	524.7	382.0	266.7	181.1
27.5°	2031.9	1742.1	1480.8	1281.0	1082.4	872.7	689.4	528.0	386.4	270.0	185.5
25°	1968.2	1687.2	1481.9	1278.8	1083.4	873.8	689.4	528.0	387.5	271.1	188.8
22.5°	1894.7	1687.2	1481.9	1275.6	1076.9	871.6	686.1	525.8	387.5	273.3	192.1
20°	1899.1	1688.3	1478.6	1269.0	1067.0	865.0	678.4	520.3	384.2	276.6	194.3
17.5°	1902.3	1686.1	1472.0	1260.2	1053.8	854.0	668.5	512.6	384.2	279.9	195.4
15°	1902.3	1679.5	1462.2	1247.0	1037.3	838.7	654.2	506.0	385.3	281.0	197.6
12.5°	1899.1	1667.4	1446.8	1229.4	1017.6	820.0	645.5	503.9	385.3	282.1	197.6
10°	1892.5	1651.0	1427.0	1207.5	998.9	813.4	641.1	499.5	383.1	282.1	197.6
7.5°	1880.4	1631.2	1410.6	1194.3	987.9	805.7	634.5	492.9	379.8	279.9	199.8
5°	1861.7	1620.2	1397.4	1179.0	972.6	800.2	630.1	487.4	377.6	279.9	197.6
2.5°	1837.6	1607.1	1382.0	1159.2	955.0	781.6	615.8	475.3	369.9	275.5	195.4
0°	1798.1	1580.7	1355.7	1131.7	930.9	762.9	601.6	463.2	362.2	271.1	193.2
-2.5°	1761.8	1545.6	1321.7	1103.2	907.8	746.4	590.6	456.7	359.0	270.0	192.1
-5°	1711.3	1497.3	1276.6	1065.9	877.1	730.0	579.6	449.0	355.7	267.8	192.1
-7.5°	1655.4	1446.8	1229.4	1027.5	846.3	701.4	558.7	436.9	348.0	263.5	191.0
-10°	1568.6	1371.1	1170.2	983.6	813.4	676.2	541.2	425.9	341.4	259.1	186.6
-12.5°	1476.4	1287.6	1102.1	929.8	776.1	649.8	521.4	413.8	333.7	254.7	184.4
-15°	1378.7	1202.0	1030.8	873.8	735.5	618.0	500.6	400.7	326.0	249.2	181.1
-17.5°	1276.6	1112.0	957.2	816.7	694.9	585.1	478.6	388.6	317.2	243.7	177.8
-20°	1169.1	1019.8	882.6	758.5	652.0	552.2	455.6	374.3	307.4	237.1	173.4



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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°	1062.6	928.7	805.7	701.4	608.1	518.1	432.5	360.1	296.4	229.4	170.1
-25°	968.2	843.0	737.7	646.6	565.3	485.2	408.4	345.8	284.3	221.7	165.8
-27.5°	876.0	769.5	670.7	595.0	523.6	453.4	385.3	330.4	272.2	213.0	161.4
-30°	790.4	699.2	618.0	544.5	484.1	424.8	365.5	315.0	259.1	204.2	155.9
-32.5°	712.4	638.9	570.8	500.6	446.8	396.3	346.9	299.7	245.9	195.4	150.4
-35°	640.0	582.9	523.6	464.3	409.4	369.9	327.1	283.2	233.8	185.5	144.9
-37.5°	575.2	529.1	481.9	431.4	384.2	344.7	308.5	266.7	221.7	176.7	139.4
-40°	519.2	481.9	440.2	399.6	360.1	322.7	289.8	250.3	209.7	170.1	133.9
-42.5°	467.6	439.1	405.1	371.0	335.9	303.0	271.1	232.7	197.6	162.5	128.4
-45°	428.1	399.6	372.1	341.4	311.8	283.2	251.4	217.3	186.6	153.7	122.9
-47.5°	390.8	365.5	340.3	315.0	290.9	264.6	232.7	204.2	174.5	146.0	118.6
-50°	357.9	333.7	311.8	289.8	268.9	243.7	214.1	191.0	164.7	138.3	113.1
-52.5°	327.1	306.3	284.3	266.7	249.2	223.9	199.8	177.8	154.8	129.5	107.6
-55°	299.7	279.9	260.2	243.7	227.2	205.3	185.5	166.9	144.9	122.9	102.1
-57.5°	273.3	256.9	238.2	222.8	206.4	188.8	172.3	154.8	135.0	116.4	96.6
-60°	249.2	233.8	217.3	202.0	187.7	173.4	158.1	143.8	126.2	108.7	91.1
-62.5°	225.0	211.9	197.6	182.2	171.2	158.1	146.0	131.7	117.5	102.1	81.2
-65°	203.1	191.0	177.8	164.7	154.8	144.9	133.9	120.7	108.7	94.4	72.4
-67.5°	181.1	170.1	159.2	148.2	139.4	131.7	120.7	110.9	101.0	85.6	63.7
-70°	160.3	151.5	141.6	132.8	126.2	117.5	109.8	101.0	92.2	74.6	53.8
-72.5°	140.5	131.7	124.0	117.5	112.0	104.3	97.7	91.1	79.0	62.6	45.0
-75°	117.5	112.0	107.6	102.1	96.6	91.1	85.6	77.9	65.9	50.5	35.1
-77.5°	96.6	93.3	90.0	85.6	81.2	76.8	70.3	62.6	52.7	39.5	28.5
-80°	79.0	75.7	73.5	69.2	65.9	61.5	54.9	48.3	38.4	30.7	23.1
-82.5°	60.4	58.2	56.0	53.8	50.5	46.1	39.5	34.0	28.5	23.1	17.6
-85°	42.8	41.7	39.5	37.3	34.0	30.7	26.3	23.1	19.8	15.4	12.1
-87.5°	22.0	20.9	19.8	18.7	17.6	15.4	13.2	11.0	9.9	7.7	5.5
-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°	4.4	3.3	1.1	0.0
85°	8.8	5.5	2.2	0.0
82.5°	13.2	8.8	3.3	0.0
80°	17.6	11.0	5.5	0.0
77.5°	22.0	13.2	6.6	0.0
75°	26.3	16.5	7.7	0.0
72.5°	29.6	18.7	8.8	0.0
70°	35.1	22.0	9.9	0.0
67.5°	43.9	24.1	11.0	0.0
65°	51.6	26.3	12.1	0.0
62.5°	60.4	28.5	13.2	0.0
60°	68.1	30.7	14.3	0.0
57.5°	75.7	36.2	15.4	0.0
55°	82.3	40.6	16.5	0.0
52.5°	90.0	45.0	17.6	0.0
50°	96.6	49.4	18.7	0.0
47.5°	102.1	53.8	18.7	0.0
45°	106.5	57.1	19.8	0.0
42.5°	109.8	60.4	20.9	0.0
40°	113.1	63.7	22.0	0.0
37.5°	116.4	67.0	22.0	0.0
35°	119.7	70.3	23.1	0.0
32.5°	122.9	73.5	23.1	0.0
30°	125.1	75.7	24.1	0.0
27.5°	128.4	77.9	24.1	0.0
25°	129.5	80.1	25.2	0.0
22.5°	131.7	81.2	25.2	0.0
20°	133.9	83.4	25.2	0.0
17.5°	135.0	84.5	26.3	0.0
15°	135.0	85.6	27.4	0.0
12.5°	136.1	86.7	27.4	0.0
10°	136.1	88.9	26.3	0.0
7.5°	138.3	87.8	26.3	0.0
5°	137.2	87.8	26.3	0.0
2.5°	136.1	86.7	26.3	0.0
0°	135.0	86.7	26.3	0.0
-2.5°	135.0	86.7	26.3	0.0
-5°	135.0	86.7	26.3	0.0
-7.5°	133.9	87.8	26.3	0.0
-10°	131.7	87.8	26.3	0.0
-12.5°	130.6	84.5	26.3	0.0
-15°	129.5	83.4	26.3	0.0
-17.5°	127.3	82.3	25.2	0.0
-20°	125.1	81.2	25.2	0.0



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CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	122.9	79.0	25.2	0.0
-25°	120.7	76.8	24.1	0.0
-27.5°	118.6	74.6	24.1	0.0
-30°	115.3	72.4	23.1	0.0
-32.5°	112.0	70.3	23.1	0.0
-35°	109.8	67.0	22.0	0.0
-37.5°	106.5	63.7	22.0	0.0
-40°	103.2	60.4	20.9	0.0
-42.5°	99.9	57.1	19.8	0.0
-45°	95.5	53.8	19.8	0.0
-47.5°	92.2	50.5	18.7	0.0
-50°	86.7	46.1	17.6	0.0
-52.5°	80.1	41.7	16.5	0.0
-55°	73.5	38.4	15.4	0.0
-57.5°	67.0	34.0	15.4	0.0
-60°	60.4	29.6	14.3	0.0
-62.5°	53.8	27.4	13.2	0.0
-65°	47.2	25.2	12.1	0.0
-67.5°	39.5	22.0	11.0	0.0
-70°	32.9	19.8	9.9	0.0
-72.5°	28.5	17.6	8.8	0.0
-75°	24.1	15.4	7.7	0.0
-77.5°	20.9	13.2	6.6	0.0
-80°	16.5	9.9	4.4	0.0
-82.5°	12.1	7.7	3.3	0.0
-85°	7.7	5.5	2.2	0.0
-87.5°	4.4	2.2	1.1	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)