

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: P722167

Luminaire Tested: **IFLD-S-SA3A-827-U-76**

Issue Date: 10/26/2023

Test Information

Test Method: LM-79-2019
Report Number: P722167
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3A-827-U-76
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7x6 Flood distribution lens
Light Source: (48) 2700K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

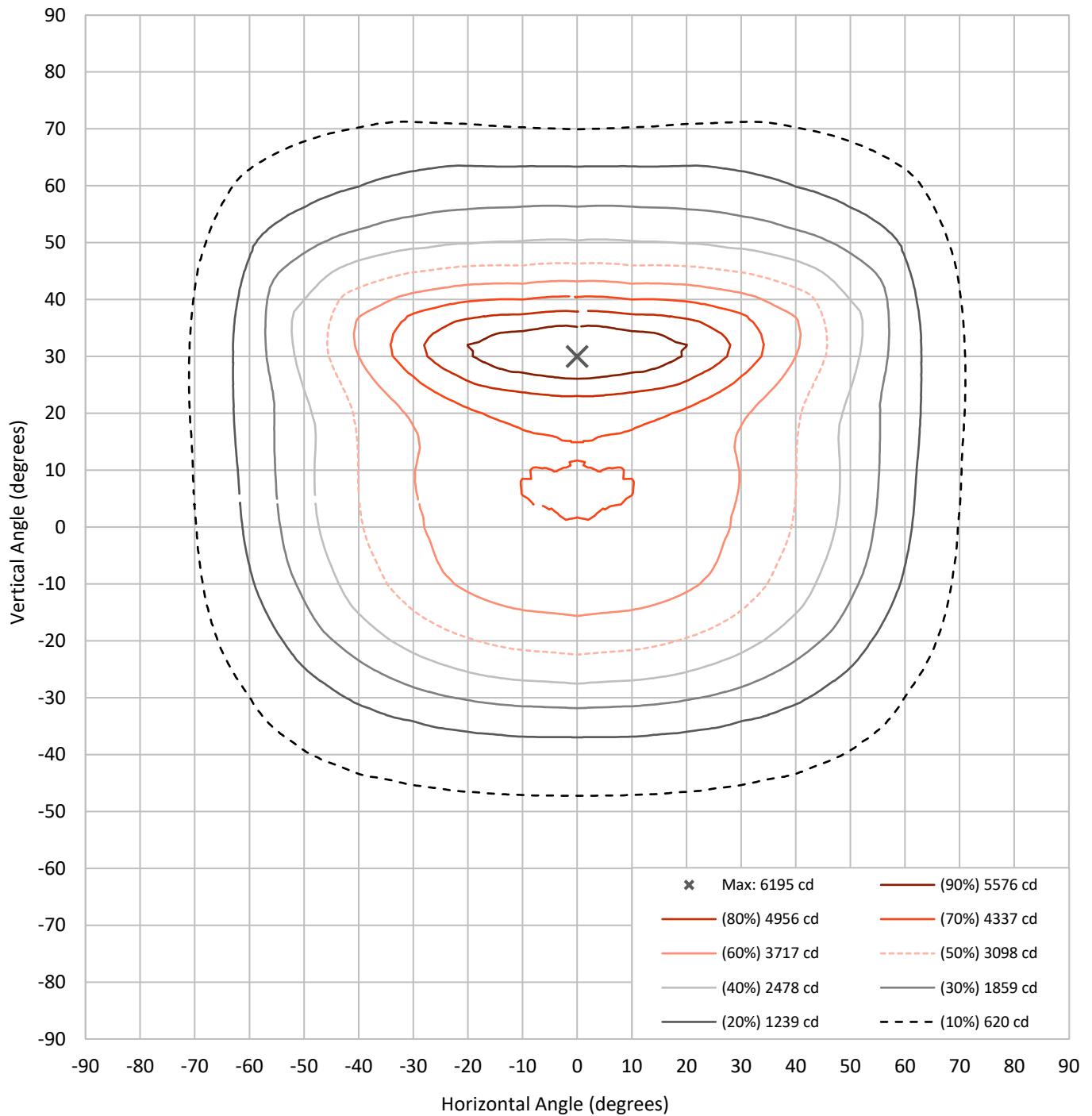
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	10340.9 lumens	Max Intensity:	6195 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	109.1 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:	6013.4 lumens	Field Lumens:	9690.8 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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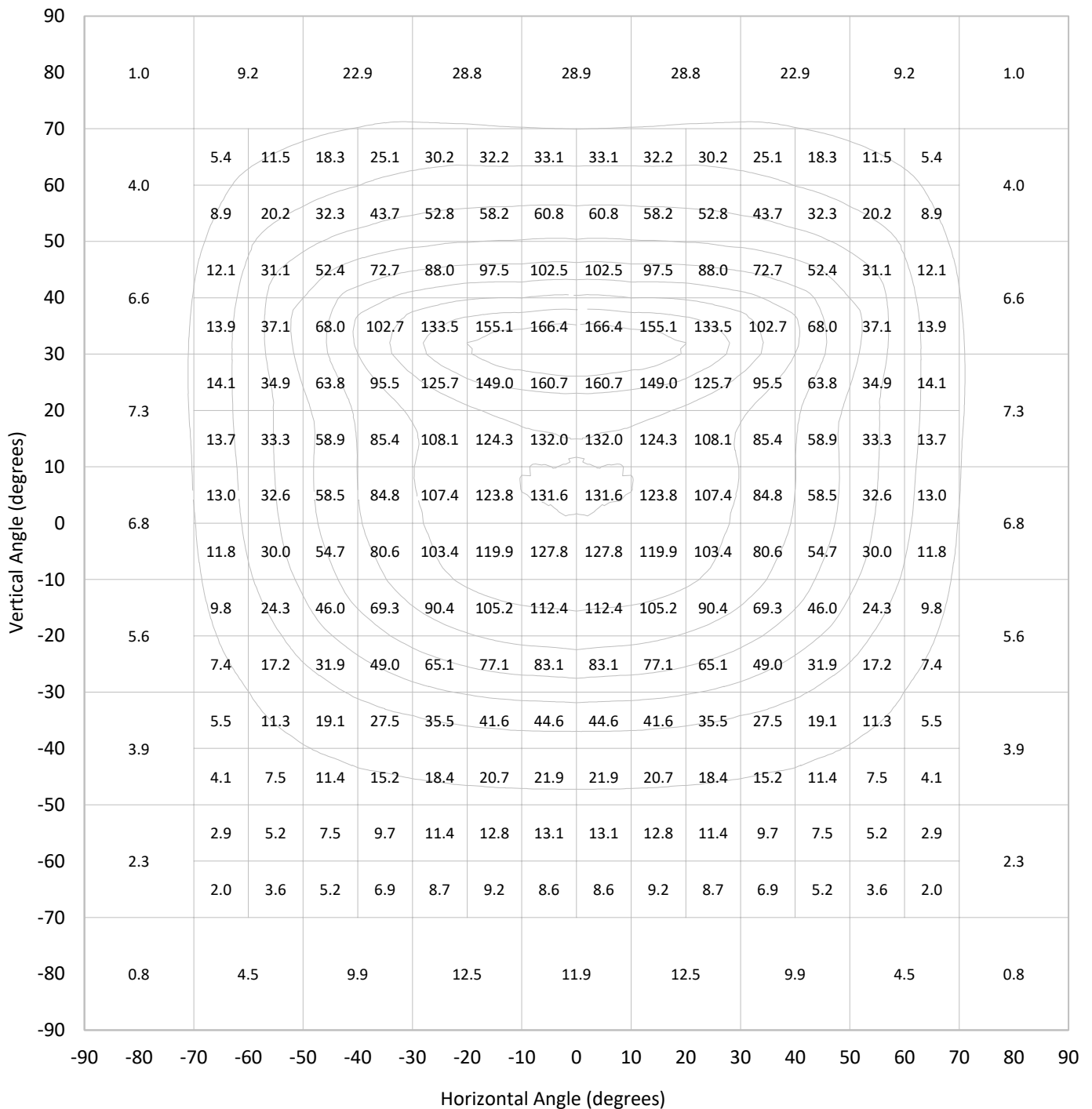
Iso-Candela Plot





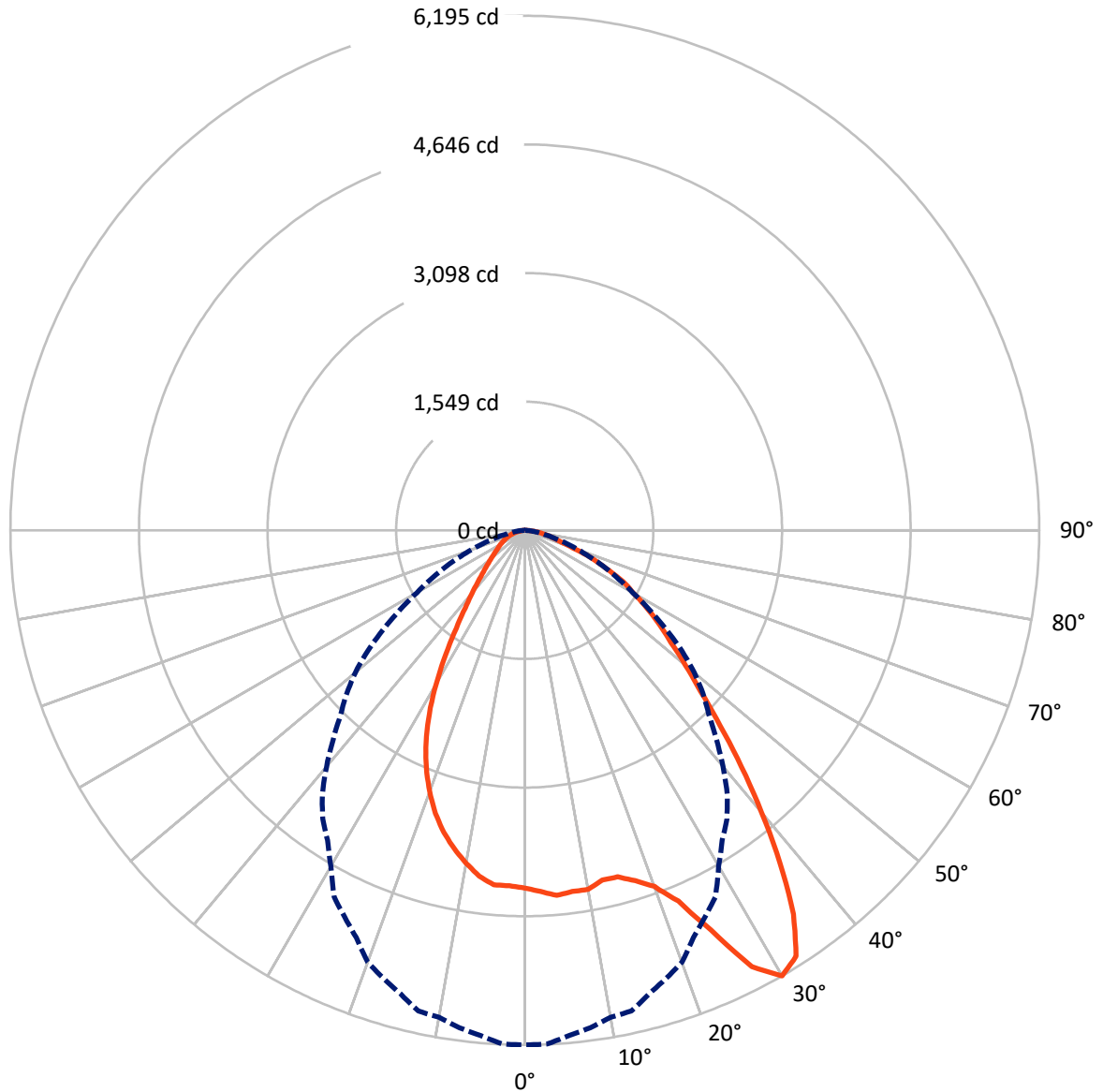
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Lumen Table



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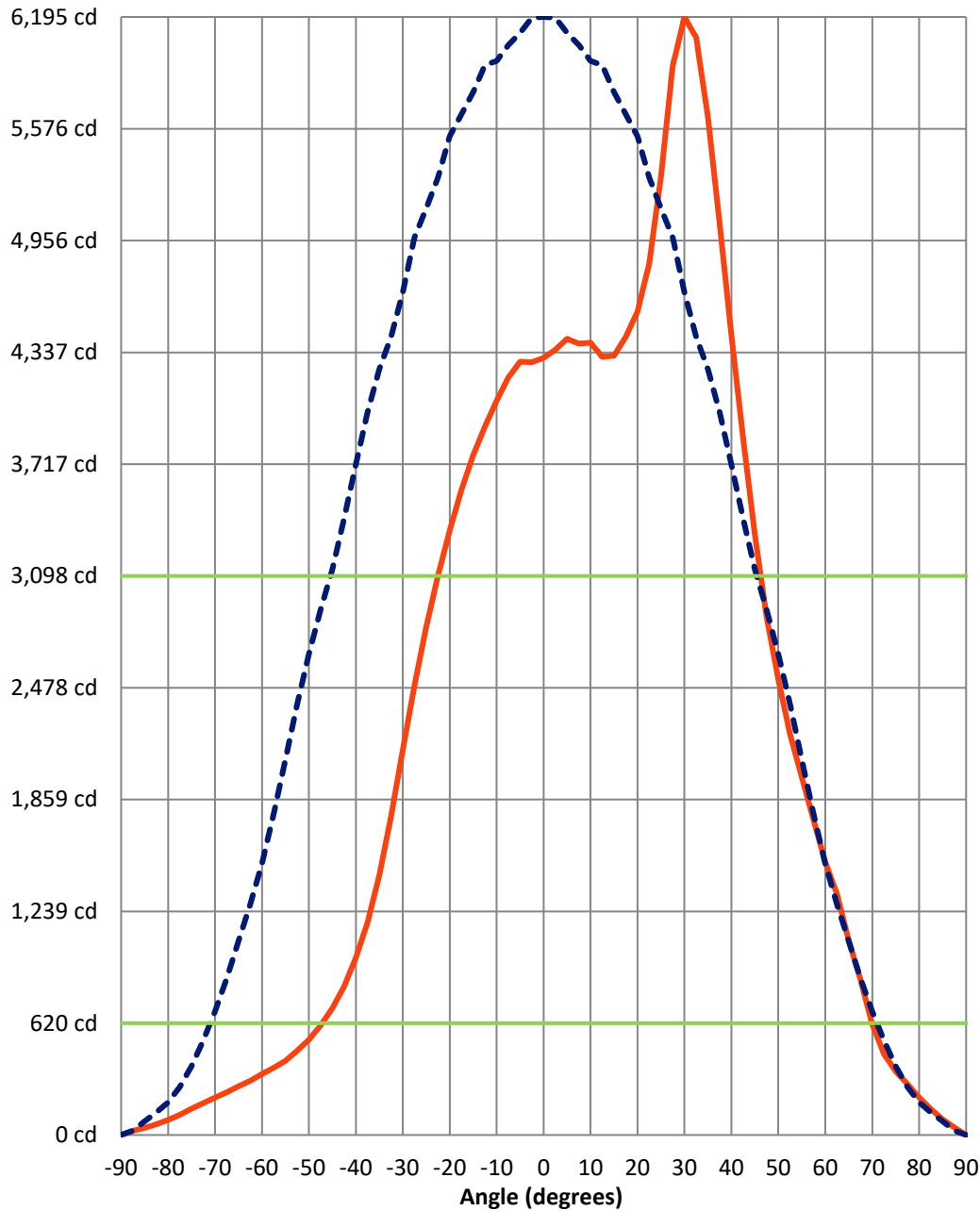
Luminous Intensity Polar Plot



— 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: 6013.4
 Efficiency: 58.2%

Field:
 H Angle: 142°
 V Angle: 117.1°
 Lumens: 9690.8
 Efficiency: 93.7%

Spill:
 Lumens: 650.1
 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°	41.6	42.7	43.8	43.8	42.7	42.7	42.7	41.6	42.7	42.7	42.7
85°	86.5	88.7	90.9	89.8	88.7	86.5	84.4	85.4	86.5	87.6	87.6
82.5°	143.5	146.8	149.0	147.9	145.7	143.5	141.3	142.4	144.6	145.7	145.7
80°	208.1	209.2	210.3	212.5	209.2	209.2	208.1	212.5	214.7	216.9	219.1
77.5°	282.6	283.7	283.7	284.8	285.9	287.0	287.0	294.7	300.2	303.4	306.7
75°	352.7	356.0	359.3	362.6	367.0	369.2	372.5	383.4	392.2	398.8	405.3
72.5°	449.1	453.5	459.0	466.7	474.3	479.8	487.5	500.6	510.5	517.1	524.7
70°	614.6	618.9	624.4	629.9	637.6	643.0	650.7	667.1	677.0	681.4	685.8
67.5°	860.0	870.9	880.8	869.8	864.3	856.7	858.9	874.2	884.1	890.6	889.5
65°	1078.0	1085.6	1085.6	1084.5	1080.1	1070.3	1075.8	1094.4	1105.3	1110.8	1094.4
62.5°	1334.3	1334.3	1328.8	1337.6	1338.7	1332.1	1328.8	1329.9	1331.0	1334.3	1306.9
60°	1511.8	1522.7	1526.0	1533.7	1535.9	1535.9	1541.3	1545.7	1545.7	1539.2	1507.4
57.5°	1746.2	1767.0	1771.4	1765.9	1755.0	1740.7	1738.5	1732.0	1718.8	1705.7	1690.3
55°	1982.8	1993.8	1992.7	1989.4	1978.4	1962.0	1964.2	1955.4	1934.6	1918.2	1897.4
52.5°	2220.5	2246.8	2251.2	2244.6	2229.3	2211.8	2212.9	2203.0	2182.2	2164.7	2136.2
50°	2524.0	2545.9	2543.7	2532.8	2510.8	2497.7	2498.8	2480.2	2456.1	2450.6	2413.4
47.5°	2871.3	2896.5	2892.1	2876.7	2847.2	2841.7	2847.2	2823.1	2808.8	2796.8	2753.0
45°	3327.0	3356.6	3340.1	3310.6	3263.4	3268.9	3276.6	3272.2	3241.5	3209.8	3153.9
42.5°	3861.6	3880.2	3860.5	3830.9	3771.8	3782.7	3778.3	3752.0	3733.4	3680.8	3609.6
40°	4433.4	4474.0	4443.3	4397.3	4335.9	4352.4	4340.3	4306.3	4262.5	4196.8	4107.0
37.5°	5050.2	5082.0	5046.9	4993.2	4938.4	4933.0	4908.9	4856.3	4793.8	4721.5	4578.0
35°	5640.6	5722.8	5658.2	5572.7	5505.9	5480.7	5457.7	5336.1	5264.9	5147.7	4951.6
32.5°	6079.9	6140.2	6060.2	5971.5	5890.4	5855.4	5774.3	5629.7	5591.4	5344.9	5165.2
30°	6195.0	6190.6	6107.3	6039.4	5951.8	5927.7	5778.7	5656.0	5533.3	5305.4	5134.5
27.5°	5921.1	5893.7	5813.7	5754.6	5668.0	5639.6	5492.8	5427.0	5237.5	5044.7	4900.1
25°	5310.9	5325.1	5264.9	5235.3	5178.4	5117.0	5058.9	4970.2	4851.9	4683.2	4550.6
22.5°	4830.0	4848.6	4823.4	4788.4	4744.5	4710.6	4666.8	4597.7	4483.8	4379.7	4254.9
20°	4562.7	4557.2	4535.3	4509.0	4467.4	4443.3	4395.1	4337.0	4249.4	4159.6	4024.8
17.5°	4422.5	4388.5	4367.7	4357.8	4335.9	4305.3	4248.3	4189.1	4121.2	4019.3	3920.7
15°	4318.4	4323.9	4307.4	4299.8	4282.2	4239.5	4181.5	4133.3	4041.2	3989.8	3899.9
12.5°	4311.8	4306.3	4307.4	4304.2	4282.2	4227.5	4197.9	4136.5	4077.4	4009.5	3906.5
10°	4389.6	4331.5	4335.9	4351.3	4316.2	4272.4	4240.6	4173.8	4117.9	4031.4	3929.5
7.5°	4385.2	4355.6	4364.4	4339.2	4350.2	4296.5	4252.7	4185.8	4115.7	4023.7	3931.7
5°	4411.5	4366.6	4358.9	4361.1	4333.7	4293.2	4234.0	4170.5	4104.8	4001.8	3907.6
2.5°	4351.3	4357.8	4322.8	4309.6	4306.3	4238.4	4183.7	4122.3	4054.4	3963.5	3879.1
0°	4306.3	4318.4	4282.2	4263.6	4262.5	4204.5	4169.4	4099.3	4051.1	3975.5	3873.6
-2.5°	4282.2	4296.5	4300.9	4266.9	4234.0	4189.1	4130.0	4054.4	3975.5	3887.9	3800.2
-5°	4284.4	4256.0	4243.9	4254.9	4226.4	4181.5	4115.7	4048.9	3971.1	3876.9	3767.4
-7.5°	4197.9	4169.4	4167.2	4161.7	4155.2	4112.4	4057.7	3985.4	3906.5	3818.9	3717.0
-10°	4068.6	4047.8	4042.3	4036.9	4019.3	3994.1	3942.6	3876.9	3805.7	3718.1	3609.6
-12.5°	3925.1	3915.3	3894.4	3880.2	3862.7	3833.1	3783.8	3723.6	3652.3	3574.6	3481.4
-15°	3766.3	3747.7	3726.8	3714.8	3689.6	3654.5	3605.2	3549.4	3471.6	3394.9	3307.3
-17.5°	3574.6	3551.6	3528.6	3525.3	3507.7	3454.1	3408.1	3340.1	3272.2	3198.8	3113.4
-20°	3348.9	3317.1	3301.8	3293.0	3268.9	3229.5	3180.2	3117.7	3052.0	2981.9	2883.3



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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°	3099.1	3071.7	3045.4	3029.0	3008.2	2977.5	2930.4	2875.6	2811.0	2732.1	2641.2
-25°	2815.4	2777.1	2760.6	2742.0	2731.0	2702.6	2656.5	2606.2	2539.3	2462.6	2376.1
-27.5°	2491.1	2460.5	2451.7	2425.4	2412.3	2382.7	2344.3	2297.2	2235.9	2163.6	2092.4
-30°	2132.9	2114.3	2100.0	2073.8	2063.9	2032.1	2006.9	1967.5	1911.6	1860.1	1803.2
-32.5°	1764.8	1746.2	1741.8	1729.8	1723.2	1702.4	1673.9	1645.4	1600.5	1562.2	1516.2
-35°	1438.4	1425.2	1426.3	1425.2	1418.7	1403.3	1368.3	1360.6	1327.7	1292.7	1263.1
-37.5°	1177.6	1178.7	1177.6	1176.5	1167.8	1161.2	1136.0	1126.2	1106.4	1072.5	1055.0
-40°	981.6	983.7	982.6	980.5	970.6	967.3	950.9	937.7	930.1	906.0	887.3
-42.5°	822.7	826.0	824.9	823.8	817.2	816.1	807.4	792.0	787.7	773.4	753.7
-45°	702.2	701.1	698.9	701.1	697.8	694.5	689.1	679.2	673.7	667.1	650.7
-47.5°	606.9	608.0	605.8	605.8	601.4	598.1	595.9	589.4	585.0	579.5	569.7
-50°	528.0	532.4	531.3	530.2	526.9	524.7	524.7	518.2	511.6	509.4	502.8
-52.5°	466.7	470.0	471.1	473.2	474.3	475.4	472.2	465.6	454.6	453.5	450.2
-55°	410.8	420.7	427.2	431.6	436.0	439.3	432.7	424.0	413.0	408.6	407.5
-57.5°	372.5	382.3	390.0	396.6	402.0	407.5	400.9	392.2	382.3	376.8	375.8
-60°	337.4	346.2	353.8	362.6	370.3	379.0	375.8	369.2	363.7	359.3	354.9
-62.5°	300.2	308.9	317.7	328.6	338.5	347.3	348.4	347.3	346.2	347.3	339.6
-65°	269.5	273.9	279.3	291.4	302.4	312.2	317.7	321.0	326.5	331.9	324.3
-67.5°	236.6	242.1	248.7	257.4	266.2	272.8	280.4	289.2	298.0	306.7	301.3
-70°	207.0	211.4	216.9	221.3	226.8	231.1	237.7	247.6	257.4	266.2	264.0
-72.5°	176.4	180.8	184.0	186.2	189.5	191.7	195.0	203.8	210.3	214.7	214.7
-75°	145.7	150.1	153.4	154.5	156.7	157.7	159.9	163.2	166.5	167.6	168.7
-77.5°	111.7	116.1	119.4	121.6	123.8	126.0	127.1	129.3	130.4	130.4	131.5
-80°	83.3	86.5	88.7	92.0	93.1	95.3	97.5	98.6	99.7	99.7	100.8
-82.5°	59.2	61.3	63.5	65.7	67.9	69.0	71.2	72.3	73.4	74.5	75.6
-85°	39.4	41.6	43.8	46.0	47.1	48.2	49.3	50.4	51.5	52.6	53.7
-87.5°	23.0	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°	42.7	42.7	42.7	42.7	41.6	39.4	38.3	36.2	34.0	31.8	29.6
85°	88.7	89.8	89.8	89.8	87.6	86.5	83.3	80.0	75.6	69.0	63.5
82.5°	147.9	149.0	149.0	147.9	145.7	142.4	138.0	132.6	123.8	115.0	107.4
80°	222.4	223.5	223.5	222.4	216.9	211.4	206.0	199.4	188.4	176.4	163.2
77.5°	311.1	313.3	313.3	310.0	302.4	295.8	287.0	276.1	259.6	242.1	224.6
75°	414.1	419.6	420.7	417.4	407.5	395.5	381.2	362.6	337.4	315.5	294.7
72.5°	533.5	539.0	543.4	539.0	524.7	508.3	487.5	465.6	440.4	410.8	375.8
70°	690.2	695.6	698.9	684.7	659.5	632.1	606.9	581.7	552.1	516.0	477.6
67.5°	887.3	881.9	875.3	846.8	815.0	782.2	747.1	709.9	671.5	633.2	588.3
65°	1076.9	1061.5	1047.3	1013.3	972.8	930.1	889.5	847.9	801.9	753.7	711.0
62.5°	1276.2	1243.4	1208.3	1166.7	1125.1	1078.0	1037.4	988.1	936.6	877.5	822.7
60°	1472.3	1432.9	1397.8	1346.3	1291.6	1228.0	1184.2	1136.0	1075.8	1012.2	947.6
57.5°	1661.8	1619.1	1580.8	1535.9	1476.7	1407.7	1359.5	1297.1	1233.5	1153.5	1087.8
55°	1863.4	1820.7	1790.0	1739.6	1675.0	1611.5	1558.9	1493.1	1404.4	1319.0	1237.9
52.5°	2094.6	2060.6	2027.7	1976.3	1898.5	1833.8	1775.8	1702.4	1609.3	1504.1	1406.6
50°	2353.1	2335.6	2300.5	2240.3	2151.5	2094.6	2017.9	1920.4	1820.7	1710.1	1588.5
47.5°	2696.0	2667.5	2618.2	2552.5	2478.0	2392.5	2289.6	2175.6	2034.3	1911.6	1782.4
45°	3105.7	3053.1	2989.6	2900.8	2808.8	2712.4	2599.6	2455.0	2265.5	2105.5	1969.7
42.5°	3549.4	3478.2	3391.6	3275.5	3156.1	3037.8	2916.2	2719.0	2482.4	2298.3	2145.0
40°	4012.8	3921.8	3813.4	3644.7	3512.1	3359.8	3220.7	2926.0	2674.1	2474.7	2311.5
37.5°	4466.3	4351.3	4169.4	3964.6	3810.1	3685.2	3379.6	3064.1	2838.4	2619.3	2453.9
35°	4813.6	4716.1	4395.1	4182.6	4050.0	3852.8	3470.5	3147.3	2908.5	2726.7	2469.2
32.5°	5019.5	4767.5	4486.0	4271.3	4161.7	3838.6	3477.1	3171.4	2941.4	2737.6	2429.8
30°	4973.5	4669.0	4422.5	4242.8	4005.1	3714.8	3415.7	3134.2	2910.7	2664.2	2386.0
27.5°	4696.3	4460.8	4240.6	4053.3	3820.0	3559.2	3283.2	3035.6	2827.4	2588.6	2325.7
25°	4383.0	4169.4	4006.2	3843.0	3621.7	3373.0	3129.8	2951.2	2742.0	2506.5	2246.8
22.5°	4094.9	3941.6	3813.4	3642.5	3426.7	3209.8	3058.6	2873.5	2658.7	2419.9	2165.8
20°	3910.9	3806.8	3660.0	3471.6	3301.8	3165.9	2998.3	2802.2	2581.0	2331.2	2096.8
17.5°	3822.1	3701.6	3538.4	3415.7	3285.4	3136.4	2949.0	2740.9	2505.4	2290.7	2104.4
15°	3776.1	3649.1	3541.7	3421.2	3274.4	3117.7	2909.6	2693.8	2505.4	2307.1	2109.9
12.5°	3786.0	3676.4	3559.2	3427.8	3270.0	3102.4	2914.0	2713.5	2518.5	2319.1	2111.0
10°	3816.7	3701.6	3576.8	3431.1	3272.2	3106.8	2926.0	2725.6	2525.1	2324.6	2108.8
7.5°	3827.6	3702.7	3569.1	3422.3	3266.7	3104.6	2928.2	2728.9	2526.2	2323.5	2102.2
5°	3793.7	3680.8	3551.6	3403.7	3251.4	3093.6	2919.5	2724.5	2517.4	2312.6	2085.8
2.5°	3747.7	3656.7	3532.9	3390.5	3236.1	3078.3	2905.2	2704.8	2497.7	2292.8	2065.0
0°	3740.0	3627.1	3502.3	3375.2	3210.9	3044.4	2872.4	2667.5	2461.6	2255.6	2028.8
-2.5°	3689.6	3570.2	3445.3	3307.3	3162.7	2995.1	2814.3	2613.8	2410.1	2207.4	1989.4
-5°	3651.2	3518.7	3386.1	3237.2	3091.5	2923.8	2736.5	2541.5	2342.1	2145.0	1934.6
-7.5°	3599.8	3463.9	3324.8	3169.2	3011.5	2840.6	2655.5	2460.5	2264.4	2068.3	1866.7
-10°	3495.7	3376.3	3245.9	3084.9	2918.4	2747.5	2563.4	2371.7	2175.6	1977.3	1774.7
-12.5°	3369.7	3243.7	3101.3	2953.4	2804.4	2645.6	2461.6	2273.1	2075.9	1876.6	1675.0
-15°	3206.5	3082.7	2937.0	2792.4	2648.9	2496.6	2334.5	2164.7	1964.2	1768.1	1566.5
-17.5°	3002.7	2886.6	2756.2	2618.2	2475.8	2322.4	2164.7	2021.2	1833.8	1649.8	1450.4
-20°	2783.6	2675.2	2558.0	2427.6	2285.2	2135.1	1986.1	1836.0	1673.9	1511.8	1326.6



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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
-22.5°	2555.8	2446.2	2327.9	2206.3	2074.8	1935.7	1797.7	1654.2	1511.8	1365.0	1208.3
-25°	2292.8	2196.4	2088.0	1969.7	1852.5	1730.9	1599.4	1469.0	1347.4	1220.4	1092.2
-27.5°	2017.9	1929.1	1830.6	1727.6	1626.8	1524.9	1411.0	1290.5	1189.7	1084.5	978.3
-30°	1728.7	1657.5	1577.5	1487.7	1409.9	1327.7	1232.4	1132.7	1040.7	960.7	875.3
-32.5°	1454.8	1394.6	1337.6	1278.4	1201.7	1138.2	1072.5	999.1	918.0	842.4	781.1
-35°	1219.3	1154.6	1130.5	1086.7	1031.9	976.1	927.9	875.3	813.9	747.1	696.7
-37.5°	1021.0	982.6	948.7	924.6	888.4	843.5	805.2	766.8	719.7	669.3	618.9
-40°	866.5	840.2	803.0	790.9	767.9	737.3	697.8	668.2	636.5	598.1	555.4
-42.5°	742.7	723.0	698.9	678.1	668.2	646.3	615.7	587.2	562.0	535.7	502.8
-45°	640.9	627.7	612.4	593.8	586.1	568.6	546.6	514.9	500.6	478.7	454.6
-47.5°	558.7	552.1	541.2	529.1	518.2	505.0	485.3	465.6	445.9	431.6	413.0
-50°	494.1	489.7	483.1	473.2	459.0	450.2	437.1	419.6	400.9	388.9	375.8
-52.5°	442.6	438.2	433.8	426.1	415.2	406.4	395.5	381.2	365.9	353.8	342.9
-55°	403.1	396.6	393.3	386.7	377.9	368.1	358.2	348.4	335.2	324.3	313.3
-57.5°	372.5	363.7	359.3	353.8	345.1	335.2	327.5	317.7	308.9	296.9	287.0
-60°	348.4	338.5	329.7	324.3	316.6	306.7	299.1	291.4	282.6	272.8	260.7
-62.5°	328.6	316.6	304.5	298.0	290.3	281.5	273.9	266.2	257.4	247.6	236.6
-65°	310.0	295.8	280.4	273.9	266.2	257.4	247.6	242.1	234.4	225.7	214.7
-67.5°	287.0	271.7	258.5	250.9	243.2	235.5	226.8	221.3	213.6	202.7	191.7
-70°	253.1	243.2	234.4	227.9	221.3	214.7	206.0	197.2	188.4	178.6	168.7
-72.5°	210.3	207.0	206.0	202.7	195.0	187.3	178.6	169.8	162.1	154.5	146.8
-75°	169.8	172.0	174.2	173.1	165.4	157.7	150.1	142.4	136.9	130.4	123.8
-77.5°	134.7	136.9	139.1	139.1	133.6	129.3	123.8	118.3	113.9	108.5	101.9
-80°	104.1	107.4	110.6	112.8	108.5	105.2	100.8	96.4	92.0	87.6	83.3
-82.5°	78.9	82.2	85.4	87.6	84.4	82.2	78.9	75.6	72.3	67.9	64.6
-85°	57.0	59.2	61.3	62.4	60.3	58.1	55.9	53.7	51.5	48.2	46.0
-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	23.0	21.9	19.7	16.4	14.2	12.1	9.9	7.7	6.6
85°	58.1	52.6	46.0	42.7	38.3	34.0	29.6	25.2	20.8	16.4	12.1
82.5°	99.7	93.1	86.5	78.9	69.0	57.0	44.9	37.2	30.7	24.1	18.6
80°	150.1	138.0	127.1	117.2	106.3	90.9	74.5	59.2	41.6	31.8	24.1
77.5°	208.1	193.9	178.6	162.1	144.6	123.8	105.2	85.4	64.6	43.8	30.7
75°	273.9	255.2	234.4	211.4	188.4	161.0	134.7	111.7	87.6	61.3	37.2
72.5°	347.3	324.3	299.1	268.4	232.2	200.5	168.7	138.0	109.5	77.8	50.4
70°	441.5	405.3	368.1	335.2	289.2	238.8	201.6	166.5	130.4	95.3	63.5
67.5°	542.3	498.4	453.5	405.3	347.3	288.1	234.4	195.0	152.3	111.7	75.6
65°	651.8	597.0	540.1	486.4	406.4	336.3	276.1	222.4	173.1	127.1	87.6
62.5°	764.6	700.0	634.3	564.2	472.2	385.6	315.5	253.1	192.8	141.3	98.6
60°	885.2	809.6	729.6	642.0	534.6	439.3	352.7	284.8	213.6	155.6	110.6
57.5°	1012.2	930.1	835.9	717.5	599.2	490.8	395.5	313.3	232.2	168.7	119.4
55°	1150.3	1056.0	953.1	796.4	662.8	542.3	438.2	341.8	252.0	179.7	128.2
52.5°	1299.2	1189.7	1059.3	879.7	729.6	594.8	477.6	367.0	270.6	191.7	135.8
50°	1465.8	1327.7	1152.4	956.4	787.7	644.1	517.1	394.4	285.9	204.9	142.4
47.5°	1638.8	1489.9	1235.7	1027.6	846.8	692.3	557.6	418.5	301.3	215.8	149.0
45°	1819.6	1602.7	1322.2	1091.1	898.3	736.2	588.3	440.4	319.9	225.7	154.5
42.5°	1998.2	1688.1	1397.8	1154.6	946.5	775.6	613.5	461.2	335.2	235.5	159.9
40°	2082.5	1752.8	1458.1	1198.5	987.0	810.7	635.4	479.8	348.4	242.1	165.4
37.5°	2117.6	1792.2	1497.5	1240.1	1018.8	829.3	654.0	496.3	359.3	248.7	169.8
35°	2125.2	1806.5	1517.2	1268.6	1045.1	846.8	668.2	508.3	368.1	255.2	174.2
32.5°	2111.0	1802.1	1522.7	1278.4	1061.5	860.0	678.1	517.1	374.7	261.8	178.6
30°	2079.2	1779.1	1503.0	1277.3	1073.6	867.6	684.7	523.6	381.2	266.2	180.8
27.5°	2027.7	1738.5	1477.8	1278.4	1080.1	870.9	688.0	526.9	385.6	269.5	185.1
25°	1964.2	1683.8	1478.9	1276.2	1081.2	872.0	688.0	526.9	386.7	270.6	188.4
22.5°	1890.8	1683.8	1478.9	1273.0	1074.7	869.8	684.7	524.7	386.7	272.8	191.7
20°	1895.2	1684.9	1475.6	1266.4	1064.8	863.2	677.0	519.3	383.4	276.1	193.9
17.5°	1898.5	1682.7	1469.0	1257.6	1051.7	852.3	667.1	511.6	383.4	279.3	195.0
15°	1898.5	1676.1	1459.2	1244.5	1035.2	836.9	652.9	505.0	384.5	280.4	197.2
12.5°	1895.2	1664.0	1443.8	1226.9	1015.5	818.3	644.1	502.8	384.5	281.5	197.2
10°	1888.6	1647.6	1424.1	1205.0	996.9	811.8	639.8	498.4	382.3	281.5	197.2
7.5°	1876.6	1627.9	1407.7	1191.9	985.9	804.1	633.2	491.9	379.0	279.3	199.4
5°	1857.9	1616.9	1394.6	1176.5	970.6	798.6	628.8	486.4	376.8	279.3	197.2
2.5°	1833.8	1603.8	1379.2	1156.8	953.1	780.0	614.6	474.3	369.2	275.0	195.0
0°	1794.4	1577.5	1352.9	1129.4	929.0	761.4	600.3	462.3	361.5	270.6	192.8
-2.5°	1758.3	1542.4	1319.0	1101.0	906.0	744.9	589.4	455.7	358.2	269.5	191.7
-5°	1707.9	1494.2	1274.0	1063.7	875.3	728.5	578.4	448.1	354.9	267.3	191.7
-7.5°	1652.0	1443.8	1226.9	1025.4	844.6	700.0	557.6	436.0	347.3	262.9	190.6
-10°	1565.4	1368.3	1167.8	981.6	811.8	674.8	540.1	425.0	340.7	258.5	186.2
-12.5°	1473.4	1285.0	1099.9	927.9	774.5	648.5	520.4	413.0	333.0	254.2	184.0
-15°	1375.9	1199.6	1028.7	872.0	734.0	616.8	499.5	399.9	325.4	248.7	180.8
-17.5°	1274.0	1109.7	955.3	815.0	693.4	583.9	477.6	387.8	316.6	243.2	177.5
-20°	1166.7	1017.7	880.8	757.0	650.7	551.0	454.6	373.6	306.7	236.6	173.1



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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°	1060.4	926.8	804.1	700.0	606.9	517.1	431.6	359.3	295.8	229.0	169.8
-25°	966.2	841.3	736.2	645.2	564.2	484.2	407.5	345.1	283.7	221.3	165.4
-27.5°	874.2	767.9	669.3	593.8	522.5	452.4	384.5	329.7	271.7	212.5	161.0
-30°	788.7	697.8	616.8	543.4	483.1	424.0	364.8	314.4	258.5	203.8	155.6
-32.5°	711.0	637.6	569.7	499.5	445.9	395.5	346.2	299.1	245.4	195.0	150.1
-35°	638.7	581.7	522.5	463.4	408.6	369.2	326.5	282.6	233.3	185.1	144.6
-37.5°	574.0	528.0	480.9	430.5	383.4	344.0	307.8	266.2	221.3	176.4	139.1
-40°	518.2	480.9	439.3	398.8	359.3	322.1	289.2	249.8	209.2	169.8	133.6
-42.5°	466.7	438.2	404.2	370.3	335.2	302.4	270.6	232.2	197.2	162.1	128.2
-45°	427.2	398.8	371.4	340.7	311.1	282.6	250.9	216.9	186.2	153.4	122.7
-47.5°	390.0	364.8	339.6	314.4	290.3	264.0	232.2	203.8	174.2	145.7	118.3
-50°	357.1	333.0	311.1	289.2	268.4	243.2	213.6	190.6	164.3	138.0	112.8
-52.5°	326.5	305.6	283.7	266.2	248.7	223.5	199.4	177.5	154.5	129.3	107.4
-55°	299.1	279.3	259.6	243.2	226.8	204.9	185.1	166.5	144.6	122.7	101.9
-57.5°	272.8	256.3	237.7	222.4	206.0	188.4	172.0	154.5	134.7	116.1	96.4
-60°	248.7	233.3	216.9	201.6	187.3	173.1	157.7	143.5	126.0	108.5	90.9
-62.5°	224.6	211.4	197.2	181.9	170.9	157.7	145.7	131.5	117.2	101.9	81.1
-65°	202.7	190.6	177.5	164.3	154.5	144.6	133.6	120.5	108.5	94.2	72.3
-67.5°	180.8	169.8	158.8	147.9	139.1	131.5	120.5	110.6	100.8	85.4	63.5
-70°	159.9	151.2	141.3	132.6	126.0	117.2	109.5	100.8	92.0	74.5	53.7
-72.5°	140.2	131.5	123.8	117.2	111.7	104.1	97.5	90.9	78.9	62.4	44.9
-75°	117.2	111.7	107.4	101.9	96.4	90.9	85.4	77.8	65.7	50.4	35.1
-77.5°	96.4	93.1	89.8	85.4	81.1	76.7	70.1	62.4	52.6	39.4	28.5
-80°	78.9	75.6	73.4	69.0	65.7	61.3	54.8	48.2	38.3	30.7	23.0
-82.5°	60.3	58.1	55.9	53.7	50.4	46.0	39.4	34.0	28.5	23.0	17.5
-85°	42.7	41.6	39.4	37.2	34.0	30.7	26.3	23.0	19.7	15.3	12.1
-87.5°	21.9	20.8	19.7	18.6	17.5	15.3	13.1	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°	13.1	8.8	3.3	0.0
80°	17.5	11.0	5.5	0.0
77.5°	21.9	13.1	6.6	0.0
75°	26.3	16.4	7.7	0.0
72.5°	29.6	18.6	8.8	0.0
70°	35.1	21.9	9.9	0.0
67.5°	43.8	24.1	11.0	0.0
65°	51.5	26.3	12.1	0.0
62.5°	60.3	28.5	13.1	0.0
60°	67.9	30.7	14.2	0.0
57.5°	75.6	36.2	15.3	0.0
55°	82.2	40.5	16.4	0.0
52.5°	89.8	44.9	17.5	0.0
50°	96.4	49.3	18.6	0.0
47.5°	101.9	53.7	18.6	0.0
45°	106.3	57.0	19.7	0.0
42.5°	109.5	60.3	20.8	0.0
40°	112.8	63.5	21.9	0.0
37.5°	116.1	66.8	21.9	0.0
35°	119.4	70.1	23.0	0.0
32.5°	122.7	73.4	23.0	0.0
30°	124.9	75.6	24.1	0.0
27.5°	128.2	77.8	24.1	0.0
25°	129.3	80.0	25.2	0.0
22.5°	131.5	81.1	25.2	0.0
20°	133.6	83.3	25.2	0.0
17.5°	134.7	84.4	26.3	0.0
15°	134.7	85.4	27.4	0.0
12.5°	135.8	86.5	27.4	0.0
10°	135.8	88.7	26.3	0.0
7.5°	138.0	87.6	26.3	0.0
5°	136.9	87.6	26.3	0.0
2.5°	135.8	86.5	26.3	0.0
0°	134.7	86.5	26.3	0.0
-2.5°	134.7	86.5	26.3	0.0
-5°	134.7	86.5	26.3	0.0
-7.5°	133.6	87.6	26.3	0.0
-10°	131.5	87.6	26.3	0.0
-12.5°	130.4	84.4	26.3	0.0
-15°	129.3	83.3	26.3	0.0
-17.5°	127.1	82.2	25.2	0.0
-20°	124.9	81.1	25.2	0.0



REPORT NUMBER: P722167

CATALOG NUMBER: IFLD-S-SA3A-827-U-76

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	122.7	78.9	25.2	0.0
-25°	120.5	76.7	24.1	0.0
-27.5°	118.3	74.5	24.1	0.0
-30°	115.0	72.3	23.0	0.0
-32.5°	111.7	70.1	23.0	0.0
-35°	109.5	66.8	21.9	0.0
-37.5°	106.3	63.5	21.9	0.0
-40°	103.0	60.3	20.8	0.0
-42.5°	99.7	57.0	19.7	0.0
-45°	95.3	53.7	19.7	0.0
-47.5°	92.0	50.4	18.6	0.0
-50°	86.5	46.0	17.5	0.0
-52.5°	80.0	41.6	16.4	0.0
-55°	73.4	38.3	15.3	0.0
-57.5°	66.8	34.0	15.3	0.0
-60°	60.3	29.6	14.2	0.0
-62.5°	53.7	27.4	13.1	0.0
-65°	47.1	25.2	12.1	0.0
-67.5°	39.4	21.9	11.0	0.0
-70°	32.9	19.7	9.9	0.0
-72.5°	28.5	17.5	8.8	0.0
-75°	24.1	15.3	7.7	0.0
-77.5°	20.8	13.1	6.6	0.0
-80°	16.4	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)