

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: P722017

Luminaire Tested: **IFLD-S-SA2A-730-U-76**

Issue Date: 10/26/2023

Test Information

Test Method: LM-79-2019
Report Number: P722017
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2A-730-U-76
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7x6 Flood distribution lens
Light Source: (32) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

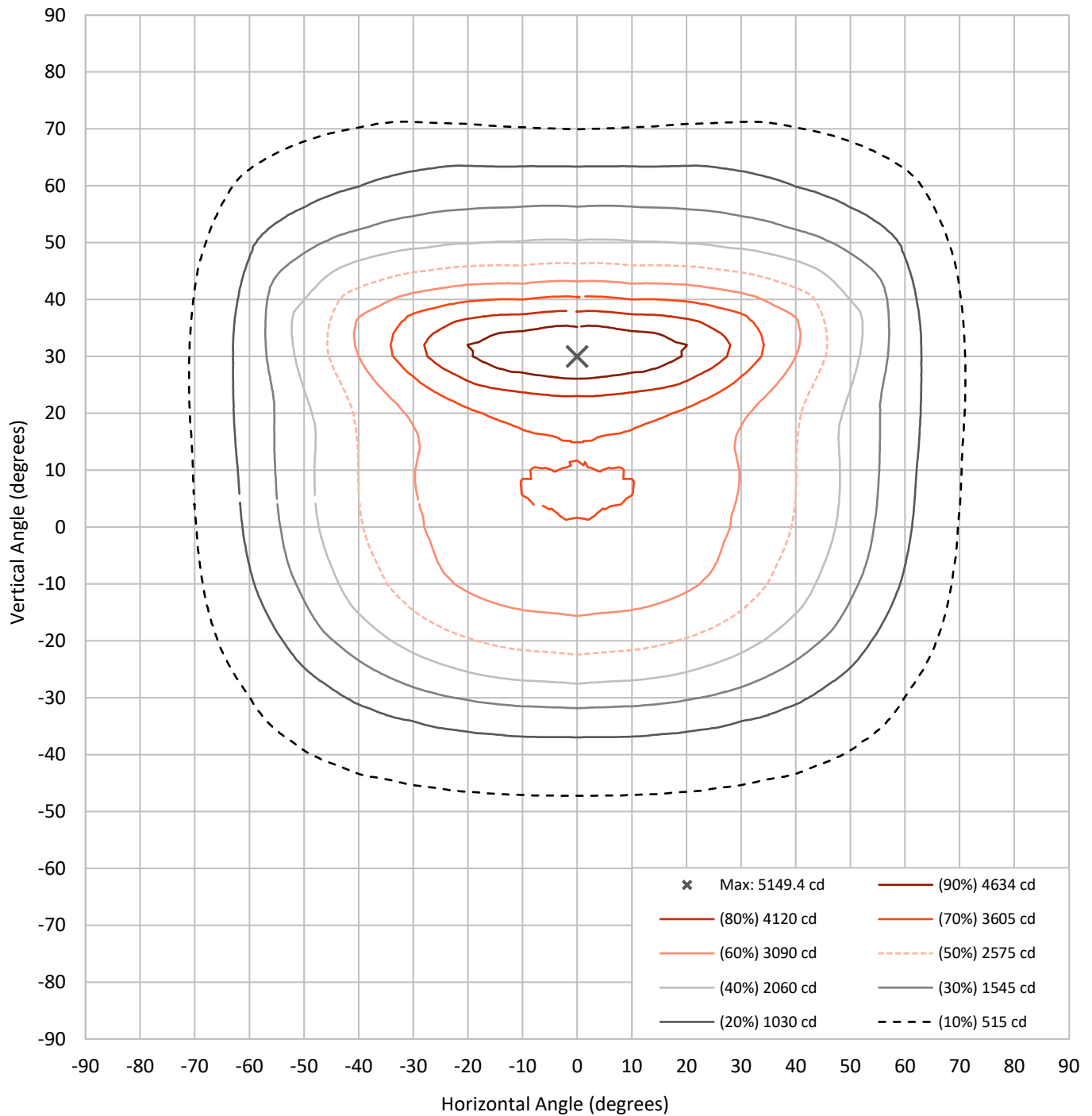
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	8595.6 lumens	Max Intensity:	5149.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	134.7 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')		
Beam Angle (50%):	90.8°H x 68.8°V	Field Angle (10%):	142°H x 117.1°V
Beam Lumens:	4998.4 lumens	Field Lumens:	8055.2 lumens
Beam Efficiency:	58.2%	Field Efficiency:	93.7%

Input Watts (W): 63.8
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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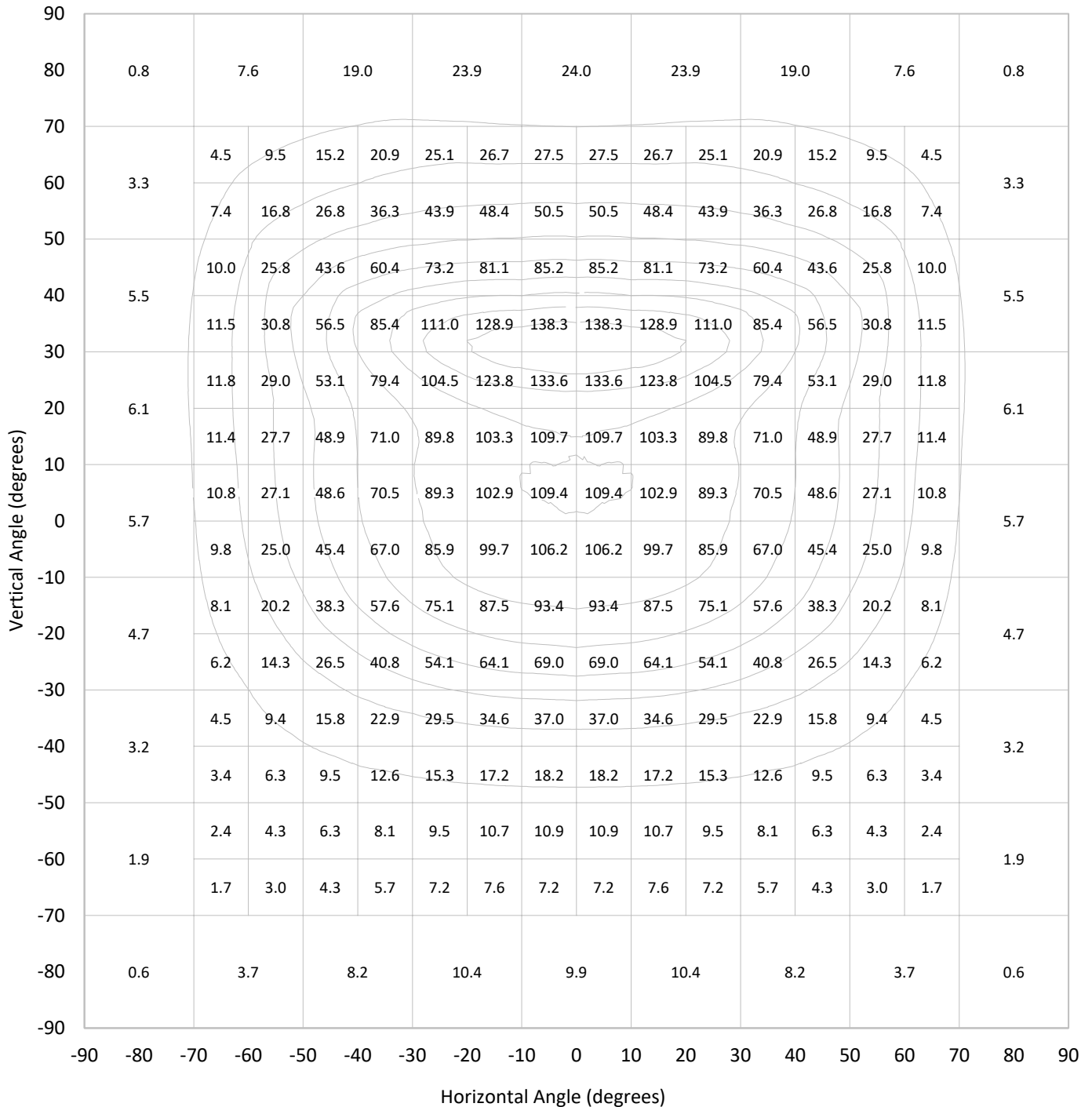
Iso-Candela Plot





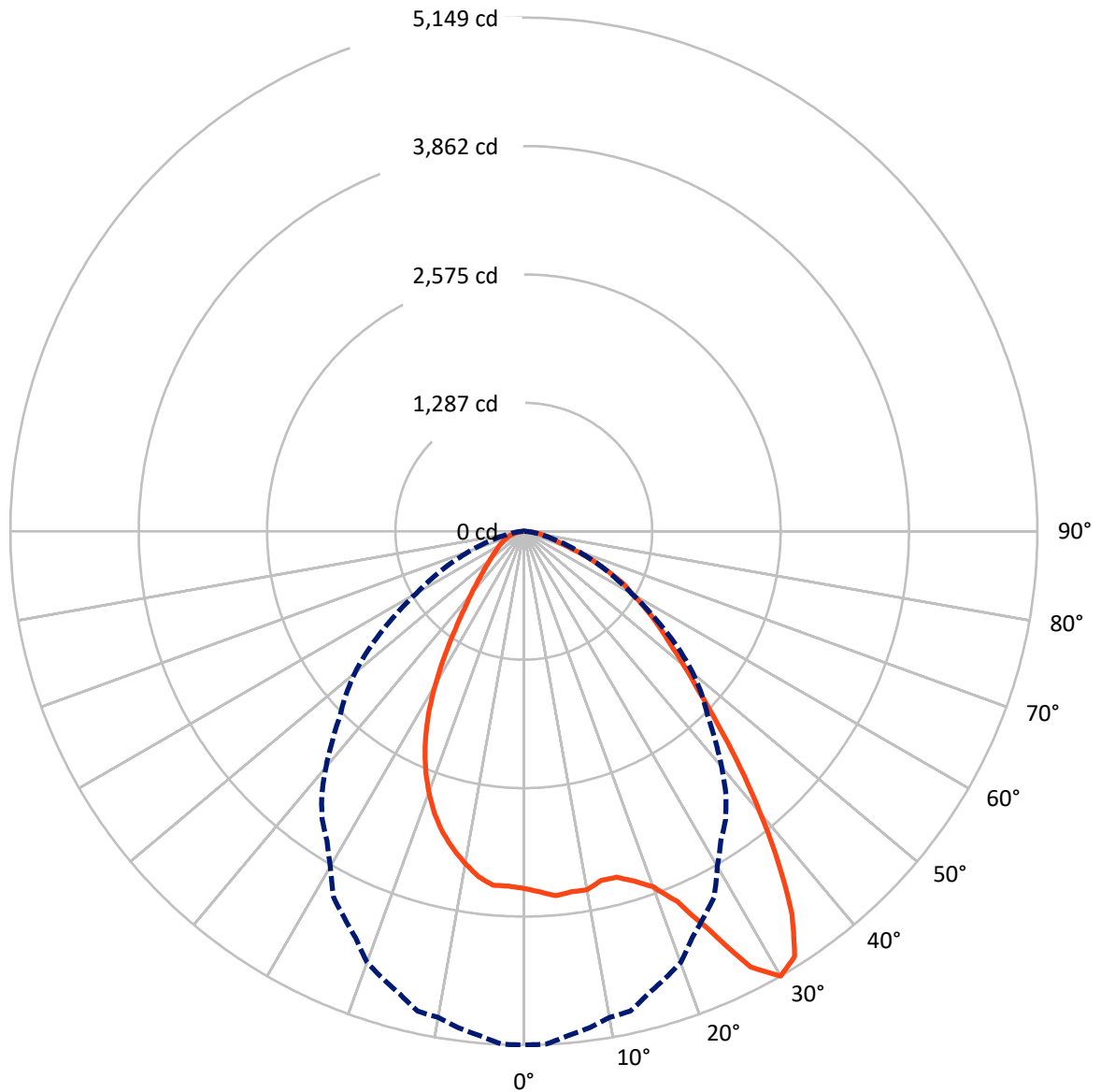
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Lumen Table



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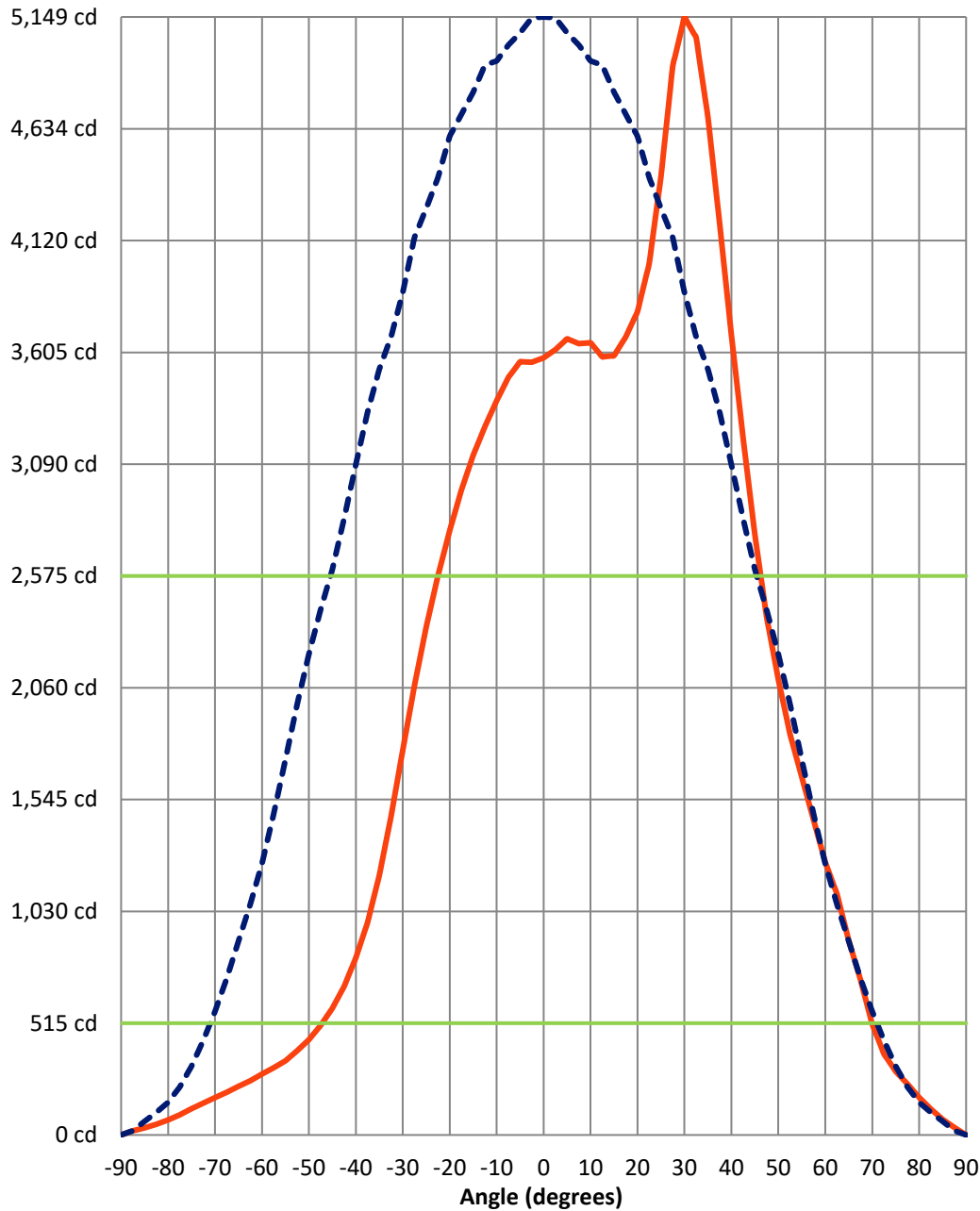
Luminous Intensity Polar Plot



— 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: 4998.4
 Efficiency: 58.2%

Field:
 H Angle: 142°
 V Angle: 117.1°
 Lumens: 8055.2
 Efficiency: 93.7%

Spill:
 Lumens: 540.4
 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°	34.6	35.5	36.4	36.4	35.5	35.5	35.5	34.6	35.5	35.5	35.5
85°	71.9	73.8	75.6	74.7	73.8	71.9	70.1	71.0	71.9	72.8	72.8
82.5°	119.3	122.0	123.8	122.9	121.1	119.3	117.5	118.4	120.2	121.1	121.1
80°	173.0	173.9	174.8	176.7	173.9	173.9	173.0	176.7	178.5	180.3	182.1
77.5°	234.9	235.8	235.8	236.8	237.7	238.6	238.6	244.9	249.5	252.2	255.0
75°	293.2	295.9	298.7	301.4	305.0	306.9	309.6	318.7	326.0	331.5	336.9
72.5°	373.3	377.0	381.5	387.9	394.3	398.8	405.2	416.1	424.3	429.8	436.2
70°	510.8	514.5	519.0	523.6	530.0	534.5	540.9	554.5	562.7	566.4	570.0
67.5°	714.8	723.9	732.1	723.0	718.5	712.1	713.9	726.6	734.8	740.3	739.4
65°	896.0	902.4	902.4	901.5	897.8	889.6	894.2	909.7	918.8	923.3	909.7
62.5°	1109.1	1109.1	1104.5	1111.8	1112.7	1107.3	1104.5	1105.5	1106.4	1109.1	1086.3
60°	1256.6	1265.7	1268.4	1274.8	1276.6	1276.6	1281.2	1284.8	1284.8	1279.4	1253.0
57.5°	1451.5	1468.8	1472.4	1467.9	1458.8	1446.9	1445.1	1439.6	1428.7	1417.8	1405.0
55°	1648.2	1657.3	1656.4	1653.6	1644.5	1630.9	1632.7	1625.4	1608.1	1594.4	1577.1
52.5°	1845.8	1867.6	1871.3	1865.8	1853.0	1838.5	1839.4	1831.2	1813.9	1799.3	1775.6
50°	2098.0	2116.2	2114.4	2105.3	2087.1	2076.1	2077.0	2061.6	2041.5	2037.0	2006.0
47.5°	2386.6	2407.6	2404.0	2391.2	2366.6	2362.1	2366.6	2346.6	2334.7	2324.7	2288.3
45°	2765.5	2790.0	2776.4	2751.8	2712.6	2717.2	2723.6	2719.9	2694.4	2668.0	2621.6
42.5°	3209.8	3225.3	3208.9	3184.3	3135.2	3144.3	3140.6	3118.8	3103.3	3059.6	3000.4
40°	3685.1	3718.8	3693.3	3655.1	3604.1	3617.8	3607.7	3579.5	3543.1	3488.5	3413.8
37.5°	4197.8	4224.2	4195.1	4150.5	4104.9	4100.4	4080.3	4036.6	3984.7	3924.6	3805.3
35°	4688.6	4756.9	4703.2	4632.2	4576.6	4555.7	4536.5	4435.5	4376.3	4278.8	4115.9
32.5°	5053.8	5103.8	5037.4	4963.6	4896.2	4867.1	4799.7	4679.5	4647.6	4442.8	4293.4
30°	5149.4	5145.7	5076.5	5020.1	4947.2	4927.2	4803.3	4701.4	4599.4	4410.0	4267.9
27.5°	4921.7	4899.0	4832.5	4783.3	4711.4	4687.7	4565.7	4511.0	4353.5	4193.3	4073.1
25°	4414.5	4426.4	4376.3	4351.7	4304.3	4253.4	4205.1	4131.3	4033.0	3892.8	3782.6
22.5°	4014.8	4030.3	4009.3	3980.2	3943.8	3915.5	3879.1	3821.7	3727.0	3640.5	3536.7
20°	3792.6	3788.0	3769.8	3748.0	3713.4	3693.3	3653.3	3605.0	3532.2	3457.5	3345.5
17.5°	3676.0	3647.8	3630.5	3622.3	3604.1	3578.6	3531.3	3482.1	3425.6	3340.9	3259.0
15°	3589.5	3594.1	3580.4	3574.1	3559.5	3524.0	3475.7	3435.6	3359.2	3316.4	3241.7
12.5°	3584.1	3579.5	3580.4	3577.7	3559.5	3514.0	3489.4	3438.4	3389.2	3332.7	3247.2
10°	3648.7	3600.5	3604.1	3616.9	3587.7	3551.3	3524.9	3469.3	3422.9	3351.0	3266.3
7.5°	3645.1	3620.5	3627.8	3606.8	3615.9	3571.3	3534.9	3479.4	3421.1	3344.6	3268.1
5°	3666.9	3629.6	3623.2	3625.0	3602.3	3568.6	3519.4	3466.6	3412.0	3326.4	3248.1
2.5°	3616.9	3622.3	3593.2	3582.3	3579.5	3523.1	3477.5	3426.5	3370.1	3294.5	3224.4
0°	3579.5	3589.5	3559.5	3544.0	3543.1	3494.8	3465.7	3407.4	3367.4	3304.5	3219.8
-2.5°	3559.5	3571.3	3575.0	3546.7	3519.4	3482.1	3432.9	3370.1	3304.5	3231.7	3158.8
-5°	3561.3	3537.6	3527.6	3536.7	3513.0	3475.7	3421.1	3365.5	3300.9	3222.6	3131.5
-7.5°	3489.4	3465.7	3463.9	3459.3	3453.9	3418.3	3372.8	3312.7	3247.2	3174.3	3089.6
-10°	3381.9	3364.6	3360.1	3355.5	3340.9	3320.0	3277.2	3222.6	3163.4	3090.5	3000.4
-12.5°	3262.6	3254.4	3237.1	3225.3	3210.7	3186.1	3145.2	3095.1	3035.9	2971.2	2893.8
-15°	3130.6	3115.1	3097.8	3087.8	3066.9	3037.7	2996.7	2950.3	2885.7	2821.9	2749.1
-17.5°	2971.2	2952.1	2933.0	2930.3	2915.7	2871.1	2832.8	2776.4	2719.9	2658.9	2587.9
-20°	2783.7	2757.3	2744.5	2737.2	2717.2	2684.4	2643.4	2591.5	2536.9	2478.6	2396.7



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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°	2576.1	2553.3	2531.4	2517.8	2500.5	2475.0	2435.8	2390.3	2336.6	2271.0	2195.4
-25°	2340.2	2308.3	2294.7	2279.2	2270.1	2246.4	2208.2	2166.3	2110.7	2047.0	1975.1
-27.5°	2070.7	2045.2	2037.9	2016.0	2005.1	1980.5	1948.7	1909.5	1858.5	1798.4	1739.2
-30°	1772.9	1757.4	1745.6	1723.7	1715.5	1689.1	1668.2	1635.4	1589.0	1546.2	1498.8
-32.5°	1467.0	1451.5	1447.8	1437.8	1432.4	1415.1	1391.4	1367.7	1330.4	1298.5	1260.3
-35°	1195.6	1184.7	1185.6	1184.7	1179.2	1166.5	1137.3	1130.9	1103.6	1074.5	1049.9
-37.5°	978.9	979.8	978.9	978.0	970.7	965.2	944.3	936.1	919.7	891.5	876.9
-40°	815.9	817.7	816.8	815.0	806.8	804.0	790.4	779.5	773.1	753.1	737.6
-42.5°	683.9	686.6	685.7	684.8	679.3	678.4	671.1	658.4	654.7	642.9	626.5
-45°	583.7	582.8	581.0	582.8	580.0	577.3	572.8	564.6	560.0	554.5	540.9
-47.5°	504.5	505.4	503.6	503.6	499.9	497.2	495.4	489.9	486.3	481.7	473.5
-50°	438.9	442.5	441.6	440.7	438.0	436.2	436.2	430.7	425.2	423.4	418.0
-52.5°	387.9	390.6	391.6	393.4	394.3	395.2	392.5	387.0	377.9	377.0	374.3
-55°	341.5	349.7	355.1	358.8	362.4	365.1	359.7	352.4	343.3	339.6	338.7
-57.5°	309.6	317.8	324.2	329.6	334.2	338.7	333.3	326.0	317.8	313.2	312.3
-60°	280.5	287.7	294.1	301.4	307.8	315.1	312.3	306.9	302.3	298.7	295.0
-62.5°	249.5	256.8	264.1	273.2	281.4	288.7	289.6	288.7	287.7	288.7	282.3
-65°	224.0	227.6	232.2	242.2	251.3	259.5	264.1	266.8	271.4	275.9	269.5
-67.5°	196.7	201.2	206.7	214.0	221.3	226.7	233.1	240.4	247.7	255.0	250.4
-70°	172.1	175.7	180.3	183.9	188.5	192.1	197.6	205.8	214.0	221.3	219.5
-72.5°	146.6	150.2	153.0	154.8	157.5	159.4	162.1	169.4	174.8	178.5	178.5
-75°	121.1	124.8	127.5	128.4	130.2	131.1	132.9	135.7	138.4	139.3	140.2
-77.5°	92.9	96.5	99.3	101.1	102.9	104.7	105.6	107.4	108.4	108.4	109.3
-80°	69.2	71.9	73.8	76.5	77.4	79.2	81.0	82.0	82.9	82.9	83.8
-82.5°	49.2	51.0	52.8	54.6	56.5	57.4	59.2	60.1	61.0	61.9	62.8
-85°	32.8	34.6	36.4	38.2	39.2	40.1	41.0	41.9	42.8	43.7	44.6
-87.5°	19.1	20.0	20.9	22.8	23.7	25.5	26.4	25.5	26.4	26.4	26.4
-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°	35.5	35.5	35.5	35.5	34.6	32.8	31.9	30.0	28.2	26.4	24.6
85°	73.8	74.7	74.7	74.7	72.8	71.9	69.2	66.5	62.8	57.4	52.8
82.5°	122.9	123.8	123.8	122.9	121.1	118.4	114.7	110.2	102.9	95.6	89.2
80°	184.8	185.8	185.8	184.8	180.3	175.7	171.2	165.7	156.6	146.6	135.7
77.5°	258.6	260.4	260.4	257.7	251.3	245.9	238.6	229.5	215.8	201.2	186.7
75°	344.2	348.8	349.7	346.9	338.7	328.7	316.9	301.4	280.5	262.2	244.9
72.5°	443.5	448.0	451.7	448.0	436.2	422.5	405.2	387.0	366.1	341.5	312.3
70°	573.7	578.2	581.0	569.1	548.2	525.4	504.5	483.5	458.9	428.9	397.0
67.5°	737.6	733.0	727.6	703.9	677.5	650.2	621.0	590.1	558.2	526.3	489.0
65°	895.1	882.4	870.5	842.3	808.6	773.1	739.4	704.8	666.5	626.5	591.0
62.5°	1060.8	1033.5	1004.4	969.8	935.2	896.0	862.3	821.3	778.6	729.4	683.9
60°	1223.8	1191.0	1161.9	1119.1	1073.6	1020.8	984.3	944.3	894.2	841.4	787.7
57.5°	1381.4	1345.8	1314.0	1276.6	1227.5	1170.1	1130.0	1078.1	1025.3	958.8	904.2
55°	1548.9	1513.4	1487.9	1446.0	1392.3	1339.5	1295.8	1241.1	1167.4	1096.3	1029.0
52.5°	1741.0	1712.8	1685.5	1642.7	1578.0	1524.3	1476.1	1415.1	1337.7	1250.2	1169.2
50°	1955.9	1941.4	1912.2	1862.2	1788.4	1741.0	1677.3	1596.3	1513.4	1421.4	1320.4
47.5°	2241.0	2217.3	2176.3	2121.7	2059.7	1988.7	1903.1	1808.4	1691.0	1589.0	1481.5
45°	2581.5	2537.8	2485.0	2411.2	2334.7	2254.6	2160.8	2040.6	1883.1	1750.1	1637.2
42.5°	2950.3	2891.1	2819.2	2722.7	2623.4	2525.1	2424.0	2260.1	2063.4	1910.4	1782.9
40°	3335.5	3259.9	3169.8	3029.5	2919.3	2792.8	2677.1	2432.2	2222.7	2057.0	1921.3
37.5°	3712.5	3616.9	3465.7	3295.4	3167.0	3063.2	2809.2	2546.9	2359.3	2177.2	2039.7
35°	4001.1	3920.1	3653.3	3476.6	3366.4	3202.5	2884.7	2616.1	2417.6	2266.5	2052.5
32.5°	4172.3	3962.9	3728.9	3550.4	3459.3	3190.7	2890.2	2636.1	2444.9	2275.6	2019.7
30°	4134.1	3880.9	3676.0	3526.7	3329.1	3087.8	2839.2	2605.2	2419.4	2214.5	1983.3
27.5°	3903.7	3707.9	3524.9	3369.2	3175.2	2958.5	2729.0	2523.2	2350.2	2151.7	1933.2
25°	3643.3	3465.7	3330.0	3194.3	3010.4	2803.7	2601.5	2453.1	2279.2	2083.4	1867.6
22.5°	3403.8	3276.3	3169.8	3027.7	2848.3	2668.0	2542.4	2388.5	2210.0	2011.5	1800.2
20°	3250.8	3164.3	3042.3	2885.7	2744.5	2631.6	2492.3	2329.3	2145.3	1937.7	1742.9
17.5°	3177.0	3076.9	2941.2	2839.2	2730.9	2607.0	2451.3	2278.3	2082.5	1904.0	1749.2
15°	3138.8	3033.2	2943.9	2843.8	2721.7	2591.5	2418.5	2239.1	2082.5	1917.7	1753.8
12.5°	3147.0	3055.9	2958.5	2849.2	2718.1	2578.8	2422.2	2255.5	2093.4	1927.7	1754.7
10°	3172.5	3076.9	2973.1	2852.0	2719.9	2582.4	2432.2	2265.5	2098.9	1932.3	1752.9
7.5°	3181.6	3077.8	2966.7	2844.7	2715.4	2580.6	2434.0	2268.3	2099.8	1931.4	1747.4
5°	3153.4	3059.6	2952.1	2829.2	2702.6	2571.5	2426.7	2264.6	2092.5	1922.2	1733.8
2.5°	3115.1	3039.5	2936.6	2818.3	2689.9	2558.8	2414.9	2248.2	2076.1	1905.9	1716.5
0°	3108.7	3015.0	2911.1	2805.5	2668.9	2530.5	2387.6	2217.3	2046.1	1874.9	1686.4
-2.5°	3066.9	2967.6	2863.8	2749.1	2628.9	2489.5	2339.3	2172.7	2003.3	1834.8	1653.6
-5°	3035.0	2924.8	2814.6	2690.8	2569.7	2430.4	2274.6	2112.6	1946.8	1782.9	1608.1
-7.5°	2992.2	2879.3	2763.6	2634.3	2503.2	2361.2	2207.3	2045.2	1882.2	1719.2	1551.6
-10°	2905.7	2806.4	2698.1	2564.2	2425.8	2283.8	2130.8	1971.4	1808.4	1643.6	1475.2
-12.5°	2801.0	2696.2	2577.9	2454.9	2331.1	2199.1	2046.1	1889.5	1725.6	1559.8	1392.3
-15°	2665.3	2562.4	2441.3	2321.1	2201.8	2075.2	1940.5	1799.3	1632.7	1469.7	1302.1
-17.5°	2495.9	2399.4	2291.0	2176.3	2057.9	1930.4	1799.3	1680.0	1524.3	1371.3	1205.6
-20°	2313.8	2223.7	2126.2	2017.9	1899.5	1774.7	1650.9	1526.1	1391.4	1256.6	1102.7



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CATALOG NUMBER: IFLD-S-SA2A-730-U-76

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
-22.5°	2124.4	2033.3	1935.0	1833.9	1724.7	1609.0	1494.3	1375.0	1256.6	1134.6	1004.4
-25°	1905.9	1825.7	1735.6	1637.2	1539.8	1438.7	1329.5	1221.1	1120.0	1014.4	907.9
-27.5°	1677.3	1603.5	1521.6	1436.0	1352.2	1267.5	1172.8	1072.7	988.9	901.5	813.2
-30°	1436.9	1377.7	1311.2	1236.6	1171.9	1103.6	1024.4	941.5	865.1	798.6	727.6
-32.5°	1209.3	1159.2	1111.8	1062.7	998.9	946.1	891.5	830.5	763.1	700.2	649.2
-35°	1013.5	959.8	939.7	903.3	857.8	811.3	771.3	727.6	676.6	621.0	579.1
-37.5°	848.7	816.8	788.6	768.5	738.5	701.2	669.3	637.4	598.3	556.4	514.5
-40°	720.3	698.4	667.5	657.4	638.3	612.8	580.0	555.5	529.1	497.2	461.7
-42.5°	617.4	601.0	581.0	563.7	555.5	537.2	511.8	488.1	467.1	445.3	418.0
-45°	532.7	521.8	509.0	493.5	487.2	472.6	454.4	428.0	416.1	397.9	377.9
-47.5°	464.4	458.9	449.8	439.8	430.7	419.8	403.4	387.0	370.6	358.8	343.3
-50°	410.7	407.0	401.6	393.4	381.5	374.3	363.3	348.8	333.3	323.3	312.3
-52.5°	367.9	364.2	360.6	354.2	345.1	337.8	328.7	316.9	304.1	294.1	285.0
-55°	335.1	329.6	326.9	321.4	314.2	306.0	297.8	289.6	278.6	269.5	260.4
-57.5°	309.6	302.3	298.7	294.1	286.8	278.6	272.3	264.1	256.8	246.8	238.6
-60°	289.6	281.4	274.1	269.5	263.2	255.0	248.6	242.2	234.9	226.7	216.7
-62.5°	273.2	263.2	253.1	247.7	241.3	234.0	227.6	221.3	214.0	205.8	196.7
-65°	257.7	245.9	233.1	227.6	221.3	214.0	205.8	201.2	194.9	187.6	178.5
-67.5°	238.6	225.8	214.9	208.5	202.2	195.8	188.5	183.9	177.6	168.5	159.4
-70°	210.3	202.2	194.9	189.4	183.9	178.5	171.2	163.9	156.6	148.4	140.2
-72.5°	174.8	172.1	171.2	168.5	162.1	155.7	148.4	141.1	134.8	128.4	122.0
-75°	141.1	143.0	144.8	143.9	137.5	131.1	124.8	118.4	113.8	108.4	102.9
-77.5°	112.0	113.8	115.6	115.6	111.1	107.4	102.9	98.3	94.7	90.1	84.7
-80°	86.5	89.2	92.0	93.8	90.1	87.4	83.8	80.1	76.5	72.8	69.2
-82.5°	65.6	68.3	71.0	72.8	70.1	68.3	65.6	62.8	60.1	56.5	53.7
-85°	47.4	49.2	51.0	51.9	50.1	48.3	46.4	44.6	42.8	40.1	38.2
-87.5°	27.3	28.2	29.1	30.0	28.2	26.4	25.5	23.7	22.8	20.9	20.0
-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°	22.8	20.9	19.1	18.2	16.4	13.7	11.8	10.0	8.2	6.4	5.5
85°	48.3	43.7	38.2	35.5	31.9	28.2	24.6	20.9	17.3	13.7	10.0
82.5°	82.9	77.4	71.9	65.6	57.4	47.4	37.3	31.0	25.5	20.0	15.5
80°	124.8	114.7	105.6	97.4	88.3	75.6	61.9	49.2	34.6	26.4	20.0
77.5°	173.0	161.2	148.4	134.8	120.2	102.9	87.4	71.0	53.7	36.4	25.5
75°	227.6	212.2	194.9	175.7	156.6	133.9	112.0	92.9	72.8	51.0	31.0
72.5°	288.7	269.5	248.6	223.1	193.0	166.6	140.2	114.7	91.1	64.7	41.9
70°	367.0	336.9	306.0	278.6	240.4	198.5	167.5	138.4	108.4	79.2	52.8
67.5°	450.7	414.3	377.0	336.9	288.7	239.5	194.9	162.1	126.6	92.9	62.8
65°	541.8	496.3	448.9	404.3	337.8	279.6	229.5	184.8	143.9	105.6	72.8
62.5°	635.6	581.9	527.2	469.0	392.5	320.5	262.2	210.3	160.3	117.5	82.0
60°	735.8	672.9	606.5	533.6	444.4	365.1	293.2	236.8	177.6	129.3	92.0
57.5°	841.4	773.1	694.8	596.4	498.1	407.9	328.7	260.4	193.0	140.2	99.3
55°	956.1	877.8	792.2	662.0	550.9	450.7	364.2	284.1	209.4	149.3	106.5
52.5°	1080.0	988.9	880.5	731.2	606.5	494.4	397.0	305.0	224.9	159.4	112.9
50°	1218.4	1103.6	957.9	794.9	654.7	535.4	429.8	327.8	237.7	170.3	118.4
47.5°	1362.2	1238.4	1027.1	854.1	703.9	575.5	463.5	347.8	250.4	179.4	123.8
45°	1512.5	1332.2	1099.1	906.9	746.7	611.9	489.0	366.1	265.9	187.6	128.4
42.5°	1660.9	1403.2	1161.9	959.8	786.7	644.7	509.9	383.4	278.6	195.8	132.9
40°	1731.0	1456.9	1212.0	996.2	820.4	673.8	528.1	398.8	289.6	201.2	137.5
37.5°	1760.2	1489.7	1244.8	1030.8	846.8	689.3	543.6	412.5	298.7	206.7	141.1
35°	1766.5	1501.6	1261.2	1054.5	868.7	703.9	555.5	422.5	306.0	212.2	144.8
32.5°	1754.7	1497.9	1265.7	1062.7	882.4	714.8	563.7	429.8	311.4	217.6	148.4
30°	1728.3	1478.8	1249.3	1061.7	892.4	721.2	569.1	435.3	316.9	221.3	150.2
27.5°	1685.5	1445.1	1228.4	1062.7	897.8	723.9	571.8	438.0	320.5	224.0	153.9
25°	1632.7	1399.6	1229.3	1060.8	898.7	724.8	571.8	438.0	321.4	224.9	156.6
22.5°	1571.7	1399.6	1229.3	1058.1	893.3	723.0	569.1	436.2	321.4	226.7	159.4
20°	1575.3	1400.5	1226.6	1052.6	885.1	717.5	562.7	431.6	318.7	229.5	161.2
17.5°	1578.0	1398.7	1221.1	1045.4	874.2	708.4	554.5	425.2	318.7	232.2	162.1
15°	1578.0	1393.2	1212.9	1034.4	860.5	695.7	542.7	419.8	319.6	233.1	163.9
12.5°	1575.3	1383.2	1200.2	1019.9	844.1	680.2	535.4	418.0	319.6	234.0	163.9
10°	1569.9	1369.5	1183.8	1001.6	828.6	674.7	531.8	414.3	317.8	234.0	163.9
7.5°	1559.8	1353.1	1170.1	990.7	819.5	668.4	526.3	408.9	315.1	232.2	165.7
5°	1544.4	1344.0	1159.2	978.0	806.8	663.8	522.7	404.3	313.2	232.2	163.9
2.5°	1524.3	1333.1	1146.4	961.6	792.2	648.3	510.8	394.3	306.9	228.6	162.1
0°	1491.5	1311.2	1124.6	938.8	772.2	632.9	499.0	384.3	300.5	224.9	160.3
-2.5°	1461.5	1282.1	1096.3	915.1	753.1	619.2	489.9	378.8	297.8	224.0	159.4
-5°	1419.6	1242.0	1059.0	884.2	727.6	605.5	480.8	372.4	295.0	222.2	159.4
-7.5°	1373.2	1200.2	1019.9	852.3	702.1	581.9	463.5	362.4	288.7	218.5	158.4
-10°	1301.2	1137.3	970.7	815.9	674.7	560.9	448.9	353.3	283.2	214.9	154.8
-12.5°	1224.7	1068.1	914.2	771.3	643.8	539.1	432.5	343.3	276.8	211.3	153.0
-15°	1143.7	997.1	855.0	724.8	610.1	512.7	415.2	332.4	270.4	206.7	150.2
-17.5°	1059.0	922.4	794.0	677.5	576.4	485.3	397.0	322.3	263.2	202.2	147.5
-20°	969.8	845.9	732.1	629.2	540.9	458.0	377.9	310.5	255.0	196.7	143.9



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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°	881.4	770.4	668.4	581.9	504.5	429.8	358.8	298.7	245.9	190.3	141.1
-25°	803.1	699.3	611.9	536.3	469.0	402.5	338.7	286.8	235.8	183.9	137.5
-27.5°	726.6	638.3	556.4	493.5	434.4	376.1	319.6	274.1	225.8	176.7	133.9
-30°	655.6	580.0	512.7	451.7	401.6	352.4	303.2	261.3	214.9	169.4	129.3
-32.5°	591.0	530.0	473.5	415.2	370.6	328.7	287.7	248.6	204.0	162.1	124.8
-35°	530.9	483.5	434.4	385.2	339.6	306.9	271.4	234.9	194.0	153.9	120.2
-37.5°	477.1	438.9	399.7	357.9	318.7	285.9	255.9	221.3	183.9	146.6	115.6
-40°	430.7	399.7	365.1	331.5	298.7	267.7	240.4	207.6	173.9	141.1	111.1
-42.5°	387.9	364.2	336.0	307.8	278.6	251.3	224.9	193.0	163.9	134.8	106.5
-45°	355.1	331.5	308.7	283.2	258.6	234.9	208.5	180.3	154.8	127.5	102.0
-47.5°	324.2	303.2	282.3	261.3	241.3	219.5	193.0	169.4	144.8	121.1	98.3
-50°	296.9	276.8	258.6	240.4	223.1	202.2	177.6	158.4	136.6	114.7	93.8
-52.5°	271.4	254.1	235.8	221.3	206.7	185.8	165.7	147.5	128.4	107.4	89.2
-55°	248.6	232.2	215.8	202.2	188.5	170.3	153.9	138.4	120.2	102.0	84.7
-57.5°	226.7	213.1	197.6	184.8	171.2	156.6	143.0	128.4	112.0	96.5	80.1
-60°	206.7	194.0	180.3	167.5	155.7	143.9	131.1	119.3	104.7	90.1	75.6
-62.5°	186.7	175.7	163.9	151.2	142.1	131.1	121.1	109.3	97.4	84.7	67.4
-65°	168.5	158.4	147.5	136.6	128.4	120.2	111.1	100.2	90.1	78.3	60.1
-67.5°	150.2	141.1	132.0	122.9	115.6	109.3	100.2	92.0	83.8	71.0	52.8
-70°	132.9	125.7	117.5	110.2	104.7	97.4	91.1	83.8	76.5	61.9	44.6
-72.5°	116.6	109.3	102.9	97.4	92.9	86.5	81.0	75.6	65.6	51.9	37.3
-75°	97.4	92.9	89.2	84.7	80.1	75.6	71.0	64.7	54.6	41.9	29.1
-77.5°	80.1	77.4	74.7	71.0	67.4	63.7	58.3	51.9	43.7	32.8	23.7
-80°	65.6	62.8	61.0	57.4	54.6	51.0	45.5	40.1	31.9	25.5	19.1
-82.5°	50.1	48.3	46.4	44.6	41.9	38.2	32.8	28.2	23.7	19.1	14.6
-85°	35.5	34.6	32.8	31.0	28.2	25.5	21.9	19.1	16.4	12.7	10.0
-87.5°	18.2	17.3	16.4	15.5	14.6	12.7	10.9	9.1	8.2	6.4	4.6
-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):

	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0
87.5°	3.6	2.7	0.9	0.0
85°	7.3	4.6	1.8	0.0
82.5°	10.9	7.3	2.7	0.0
80°	14.6	9.1	4.6	0.0
77.5°	18.2	10.9	5.5	0.0
75°	21.9	13.7	6.4	0.0
72.5°	24.6	15.5	7.3	0.0
70°	29.1	18.2	8.2	0.0
67.5°	36.4	20.0	9.1	0.0
65°	42.8	21.9	10.0	0.0
62.5°	50.1	23.7	10.9	0.0
60°	56.5	25.5	11.8	0.0
57.5°	62.8	30.0	12.7	0.0
55°	68.3	33.7	13.7	0.0
52.5°	74.7	37.3	14.6	0.0
50°	80.1	41.0	15.5	0.0
47.5°	84.7	44.6	15.5	0.0
45°	88.3	47.4	16.4	0.0
42.5°	91.1	50.1	17.3	0.0
40°	93.8	52.8	18.2	0.0
37.5°	96.5	55.5	18.2	0.0
35°	99.3	58.3	19.1	0.0
32.5°	102.0	61.0	19.1	0.0
30°	103.8	62.8	20.0	0.0
27.5°	106.5	64.7	20.0	0.0
25°	107.4	66.5	20.9	0.0
22.5°	109.3	67.4	20.9	0.0
20°	111.1	69.2	20.9	0.0
17.5°	112.0	70.1	21.9	0.0
15°	112.0	71.0	22.8	0.0
12.5°	112.9	71.9	22.8	0.0
10°	112.9	73.8	21.9	0.0
7.5°	114.7	72.8	21.9	0.0
5°	113.8	72.8	21.9	0.0
2.5°	112.9	71.9	21.9	0.0
0°	112.0	71.9	21.9	0.0
-2.5°	112.0	71.9	21.9	0.0
-5°	112.0	71.9	21.9	0.0
-7.5°	111.1	72.8	21.9	0.0
-10°	109.3	72.8	21.9	0.0
-12.5°	108.4	70.1	21.9	0.0
-15°	107.4	69.2	21.9	0.0
-17.5°	105.6	68.3	20.9	0.0
-20°	103.8	67.4	20.9	0.0



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CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	102.0	65.6	20.9	0.0
-25°	100.2	63.7	20.0	0.0
-27.5°	98.3	61.9	20.0	0.0
-30°	95.6	60.1	19.1	0.0
-32.5°	92.9	58.3	19.1	0.0
-35°	91.1	55.5	18.2	0.0
-37.5°	88.3	52.8	18.2	0.0
-40°	85.6	50.1	17.3	0.0
-42.5°	82.9	47.4	16.4	0.0
-45°	79.2	44.6	16.4	0.0
-47.5°	76.5	41.9	15.5	0.0
-50°	71.9	38.2	14.6	0.0
-52.5°	66.5	34.6	13.7	0.0
-55°	61.0	31.9	12.7	0.0
-57.5°	55.5	28.2	12.7	0.0
-60°	50.1	24.6	11.8	0.0
-62.5°	44.6	22.8	10.9	0.0
-65°	39.2	20.9	10.0	0.0
-67.5°	32.8	18.2	9.1	0.0
-70°	27.3	16.4	8.2	0.0
-72.5°	23.7	14.6	7.3	0.0
-75°	20.0	12.7	6.4	0.0
-77.5°	17.3	10.9	5.5	0.0
-80°	13.7	8.2	3.6	0.0
-82.5°	10.0	6.4	2.7	0.0
-85°	6.4	4.6	1.8	0.0
-87.5°	3.6	1.8	0.9	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)