

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: P722193

Luminaire Tested: **IFLD-S-SA2C-830-U-76**

Issue Date: 10/26/2023

Test Information

Test Method: LM-79-2019
Report Number: P722193
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2C-830-U-76
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7x6 Flood distribution lens
Light Source: (32) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

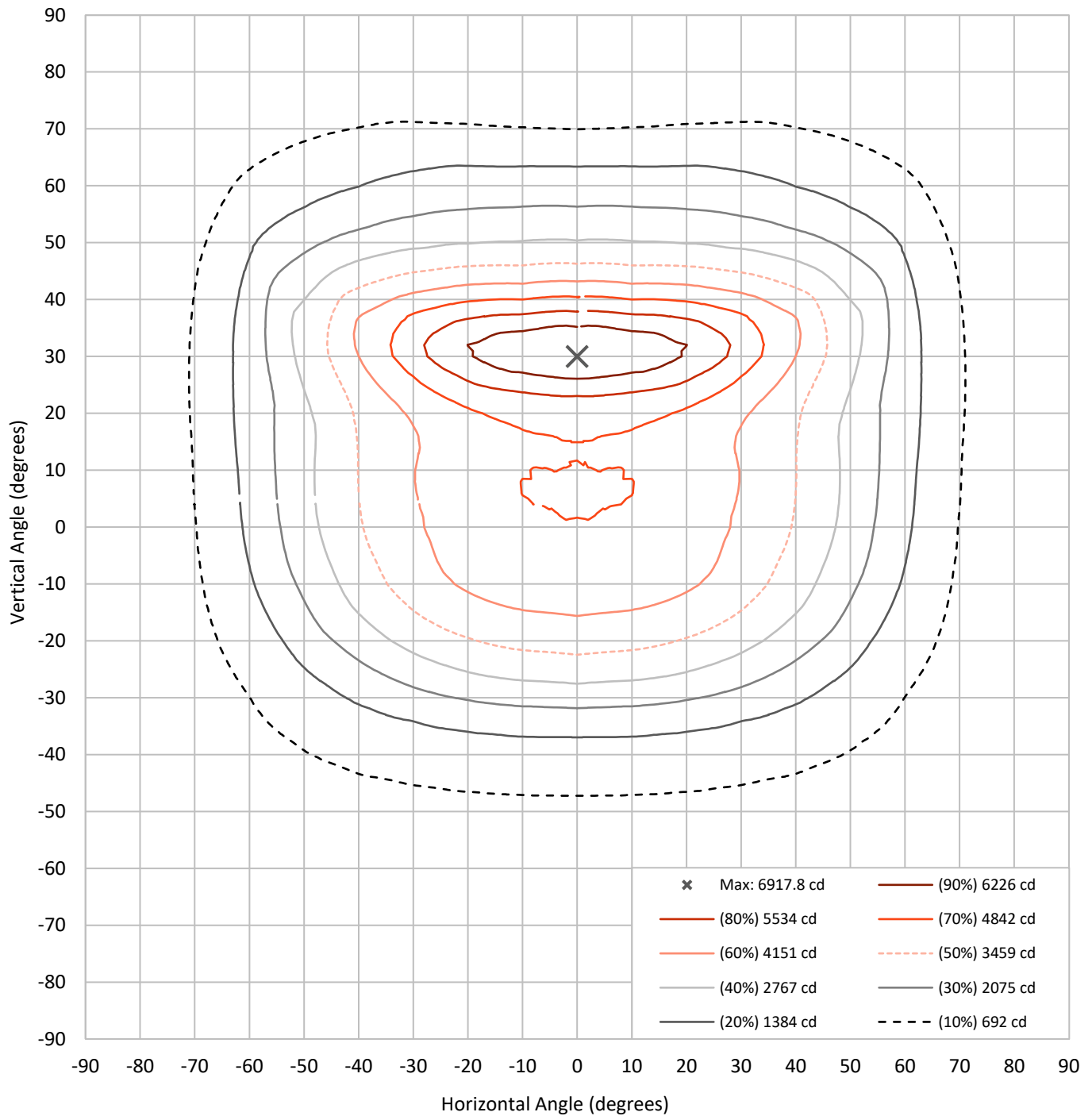
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	11547.5 lumens	Max Intensity:	6917.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	106.7 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')		
Beam Angle (50%):	90.8°H x 68.8°V	Field Angle (10%):	142°H x 117.1°V
Beam Lumens:	6715 lumens	Field Lumens:	10821.5 lumens
Beam Efficiency:	58.2%	Field Efficiency:	93.7%

Input Watts (W): 108.2
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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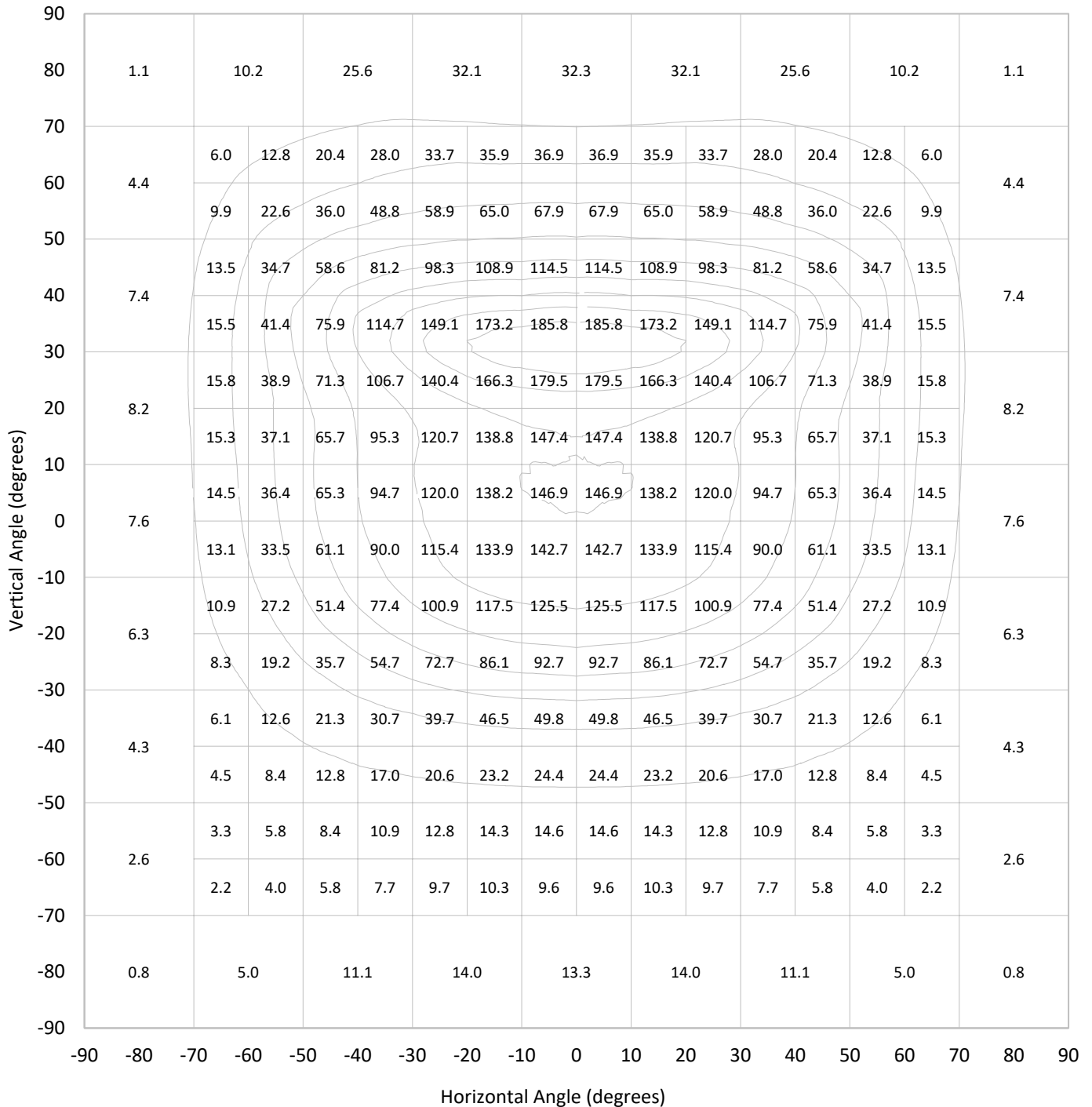
Iso-Candela Plot





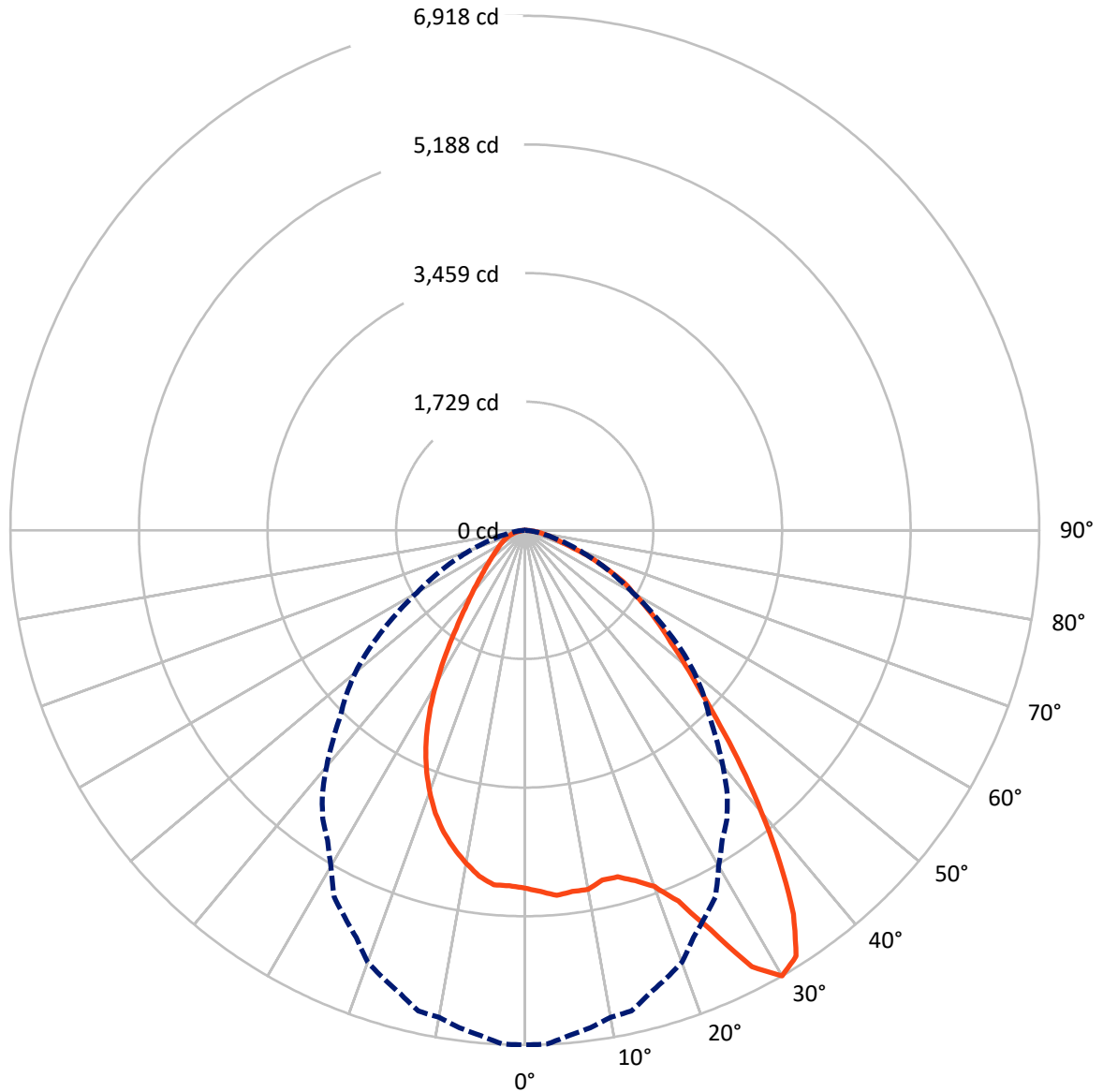
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Lumen Table



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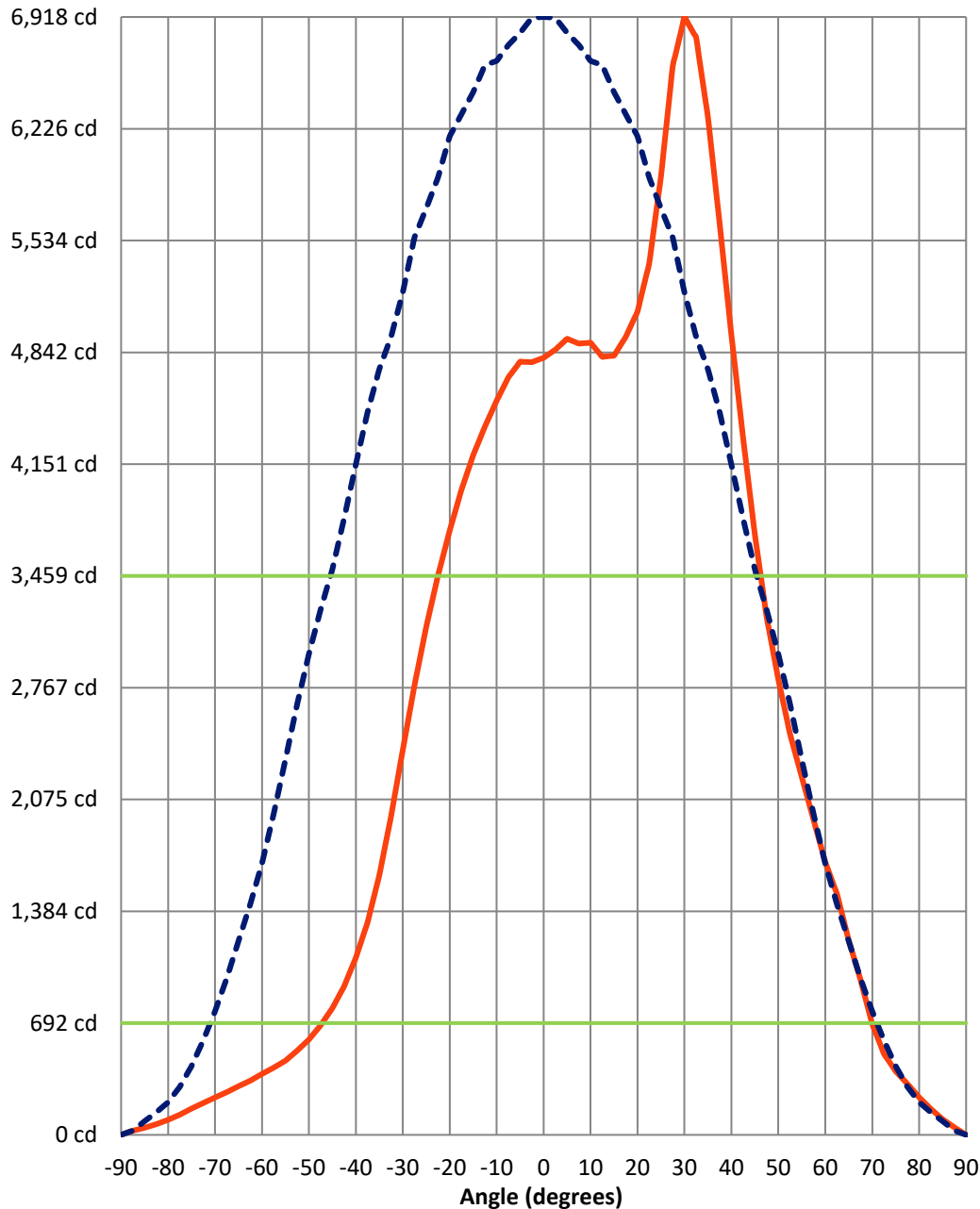
Luminous Intensity Polar Plot



— 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: 6715
 Efficiency: 58.2%

Field:
 H Angle: 142°
 V Angle: 117.1°
 Lumens: 10821.5
 Efficiency: 93.7%

Spill:
 Lumens: 726
 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°	46.5	47.7	48.9	48.9	47.7	47.7	47.7	46.5	47.7	47.7	47.7
85°	96.6	99.1	101.5	100.3	99.1	96.6	94.2	95.4	96.6	97.9	97.9
82.5°	160.3	163.9	166.4	165.1	162.7	160.3	157.8	159.0	161.5	162.7	162.7
80°	232.4	233.7	234.9	237.3	233.7	233.7	232.4	237.3	239.8	242.2	244.7
77.5°	315.6	316.8	316.8	318.1	319.3	320.5	320.5	329.1	335.2	338.9	342.5
75°	393.9	397.6	401.2	404.9	409.8	412.3	415.9	428.2	437.9	445.3	452.6
72.5°	501.6	506.4	512.6	521.1	529.7	535.8	544.4	559.0	570.1	577.4	586.0
70°	686.3	691.2	697.3	703.4	712.0	718.1	726.6	745.0	756.0	760.9	765.8
67.5°	960.3	972.5	983.5	971.3	965.2	956.6	959.1	976.2	987.2	994.5	993.3
65°	1203.7	1212.3	1212.3	1211.1	1206.2	1195.2	1201.3	1222.1	1234.3	1240.4	1222.1
62.5°	1490.0	1490.0	1483.9	1493.7	1494.9	1487.5	1483.9	1485.1	1486.3	1490.0	1459.4
60°	1688.2	1700.4	1704.1	1712.6	1715.1	1715.1	1721.2	1726.1	1726.1	1718.7	1683.3
57.5°	1949.9	1973.2	1978.1	1972.0	1959.7	1943.8	1941.4	1934.0	1919.4	1904.7	1887.6
55°	2214.2	2226.4	2225.2	2221.5	2209.3	2190.9	2193.4	2183.6	2160.4	2142.0	2118.8
52.5°	2479.6	2509.0	2513.9	2506.5	2489.4	2469.9	2471.1	2460.1	2436.8	2417.2	2385.4
50°	2818.5	2843.0	2840.5	2828.3	2803.8	2789.1	2790.4	2769.6	2742.6	2736.5	2694.9
47.5°	3206.3	3234.4	3229.5	3212.4	3179.4	3173.3	3179.4	3152.5	3136.6	3123.1	3074.2
45°	3715.2	3748.2	3729.9	3696.8	3644.2	3650.3	3658.9	3654.0	3619.8	3584.3	3521.9
42.5°	4312.1	4332.9	4310.9	4277.9	4211.8	4224.1	4219.2	4189.8	4169.0	4110.3	4030.8
40°	4950.7	4996.0	4961.7	4910.3	4841.8	4860.2	4846.7	4808.8	4759.9	4686.5	4586.2
37.5°	5639.4	5674.9	5635.8	5575.8	5514.7	5508.5	5481.6	5422.9	5353.2	5272.4	5112.2
35°	6298.8	6390.5	6318.4	6222.9	6148.3	6120.2	6094.5	5958.7	5879.2	5748.3	5529.3
32.5°	6789.3	6856.6	6767.3	6668.2	6577.7	6538.6	6448.0	6286.6	6243.7	5968.5	5767.9
30°	6917.8	6912.9	6819.9	6744.1	6646.2	6619.3	6452.9	6315.9	6178.9	5924.5	5733.6
27.5°	6612.0	6581.4	6492.1	6426.0	6329.4	6297.6	6133.6	6060.2	5848.6	5633.3	5471.8
25°	5930.6	5946.5	5879.2	5846.2	5782.6	5714.1	5649.2	5550.1	5418.0	5229.6	5081.6
22.5°	5393.5	5414.3	5386.2	5347.1	5298.1	5260.2	5211.3	5134.2	5007.0	4890.8	4751.3
20°	5095.1	5088.9	5064.5	5035.1	4988.6	4961.7	4907.9	4843.1	4745.2	4644.9	4494.4
17.5°	4938.5	4900.6	4877.3	4866.3	4841.8	4807.6	4744.0	4677.9	4602.1	4488.3	4378.2
15°	4822.3	4828.4	4810.0	4801.5	4781.9	4734.2	4669.4	4615.5	4512.8	4455.3	4355.0
12.5°	4814.9	4808.8	4810.0	4806.4	4781.9	4720.7	4687.7	4619.2	4553.1	4477.3	4362.3
10°	4901.8	4836.9	4841.8	4859.0	4819.8	4770.9	4735.4	4660.8	4598.4	4501.8	4388.0
7.5°	4896.9	4863.9	4873.6	4845.5	4857.7	4797.8	4748.9	4674.2	4596.0	4493.2	4390.4
5°	4926.2	4876.1	4867.5	4870.0	4839.4	4794.1	4728.1	4657.1	4583.7	4468.7	4363.5
2.5°	4859.0	4866.3	4827.2	4812.5	4808.8	4733.0	4671.8	4603.3	4527.4	4425.9	4331.7
0°	4808.8	4822.3	4781.9	4761.1	4759.9	4695.0	4655.9	4577.6	4523.8	4439.4	4325.6
-2.5°	4781.9	4797.8	4802.7	4764.8	4728.1	4677.9	4611.9	4527.4	4439.4	4341.5	4243.6
-5°	4784.3	4752.5	4739.1	4751.3	4719.5	4669.4	4596.0	4521.3	4434.5	4329.3	4206.9
-7.5°	4687.7	4655.9	4653.4	4647.3	4640.0	4592.3	4531.1	4450.4	4362.3	4264.4	4150.7
-10°	4543.4	4520.1	4514.0	4507.9	4488.3	4460.2	4402.7	4329.3	4249.8	4151.9	4030.8
-12.5°	4383.1	4372.1	4348.8	4332.9	4313.4	4280.3	4225.3	4158.0	4078.5	3991.6	3887.7
-15°	4205.7	4184.9	4161.7	4148.2	4120.1	4080.9	4025.9	3963.5	3876.6	3791.0	3693.2
-17.5°	3991.6	3966.0	3940.3	3936.6	3917.0	3857.1	3805.7	3729.9	3654.0	3572.0	3476.6
-20°	3739.6	3704.2	3687.0	3677.3	3650.3	3606.3	3551.3	3481.5	3408.1	3329.8	3219.7



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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°	3460.7	3430.1	3400.8	3382.4	3359.2	3324.9	3272.3	3211.2	3139.0	3050.9	2949.4
-25°	3143.9	3101.1	3082.7	3061.9	3049.7	3017.9	2966.5	2910.2	2835.6	2750.0	2653.3
-27.5°	2781.8	2747.5	2737.8	2708.4	2693.7	2660.7	2617.9	2565.3	2496.8	2416.0	2336.5
-30°	2381.8	2361.0	2345.1	2315.7	2304.7	2269.2	2241.1	2197.1	2134.7	2077.2	2013.6
-32.5°	1970.7	1949.9	1945.1	1931.6	1924.3	1901.0	1869.2	1837.4	1787.2	1744.4	1693.1
-35°	1606.2	1591.5	1592.7	1591.5	1584.2	1567.1	1527.9	1519.3	1482.6	1443.5	1410.5
-37.5°	1315.1	1316.3	1315.1	1313.8	1304.0	1296.7	1268.6	1257.6	1235.5	1197.6	1178.0
-40°	1096.1	1098.5	1097.3	1094.9	1083.8	1080.2	1061.8	1047.1	1038.6	1011.7	990.9
-42.5°	918.7	922.4	921.1	919.9	912.6	911.4	901.6	884.4	879.6	863.7	841.6
-45°	784.1	782.9	780.5	782.9	779.2	775.6	769.5	758.4	752.3	745.0	726.6
-47.5°	677.7	678.9	676.5	676.5	671.6	667.9	665.5	658.1	653.2	647.1	636.1
-50°	589.6	594.5	593.3	592.1	588.4	586.0	586.0	578.6	571.3	568.8	561.5
-52.5°	521.1	524.8	526.0	528.5	529.7	530.9	527.2	519.9	507.7	506.4	502.8
-55°	458.7	469.7	477.1	482.0	486.9	490.5	483.2	473.4	461.2	456.3	455.1
-57.5°	415.9	426.9	435.5	442.8	449.0	455.1	447.7	437.9	426.9	420.8	419.6
-60°	376.8	386.6	395.1	404.9	413.5	423.3	419.6	412.3	406.1	401.2	396.4
-62.5°	335.2	345.0	354.8	367.0	378.0	387.8	389.0	387.8	386.6	387.8	379.2
-65°	300.9	305.8	311.9	325.4	337.6	348.6	354.8	358.4	364.5	370.7	362.1
-67.5°	264.2	270.4	277.7	287.5	297.3	304.6	313.2	323.0	332.7	342.5	336.4
-70°	231.2	236.1	242.2	247.1	253.2	258.1	265.5	276.5	287.5	297.3	294.8
-72.5°	197.0	201.8	205.5	208.0	211.6	214.1	217.7	227.5	234.9	239.8	239.8
-75°	162.7	167.6	171.3	172.5	174.9	176.2	178.6	182.3	185.9	187.2	188.4
-77.5°	124.8	129.7	133.3	135.8	138.2	140.7	141.9	144.3	145.6	145.6	146.8
-80°	93.0	96.6	99.1	102.8	104.0	106.4	108.9	110.1	111.3	111.3	112.5
-82.5°	66.1	68.5	71.0	73.4	75.8	77.1	79.5	80.7	82.0	83.2	84.4
-85°	44.0	46.5	48.9	51.4	52.6	53.8	55.0	56.3	57.5	58.7	59.9
-87.5°	25.7	26.9	28.1	30.6	31.8	34.3	35.5	34.3	35.5	35.5	35.5
-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):

	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°	47.7	47.7	47.7	47.7	46.5	44.0	42.8	40.4	37.9	35.5	33.0
85°	99.1	100.3	100.3	100.3	97.9	96.6	93.0	89.3	84.4	77.1	71.0
82.5°	165.1	166.4	166.4	165.1	162.7	159.0	154.1	148.0	138.2	128.4	119.9
80°	248.3	249.6	249.6	248.3	242.2	236.1	230.0	222.6	210.4	197.0	182.3
77.5°	347.4	349.9	349.9	346.2	337.6	330.3	320.5	308.3	289.9	270.4	250.8
75°	462.4	468.5	469.7	466.1	455.1	441.6	425.7	404.9	376.8	352.3	329.1
72.5°	595.7	601.9	606.8	601.9	586.0	567.6	544.4	519.9	491.8	458.7	419.6
70°	770.7	776.8	780.5	764.6	736.4	705.8	677.7	649.6	616.5	576.2	533.4
67.5°	990.9	984.8	977.4	945.6	910.1	873.4	834.3	792.7	749.9	707.1	656.9
65°	1202.5	1185.4	1169.5	1131.6	1086.3	1038.6	993.3	946.8	895.5	841.6	793.9
62.5°	1425.1	1388.4	1349.3	1302.8	1256.3	1203.7	1158.5	1103.4	1045.9	979.9	918.7
60°	1644.1	1600.1	1560.9	1503.4	1442.3	1371.3	1322.4	1268.6	1201.3	1130.3	1058.2
57.5°	1855.8	1808.0	1765.2	1715.1	1649.0	1571.9	1518.1	1448.4	1377.4	1288.1	1214.7
55°	2080.8	2033.1	1998.9	1942.6	1870.4	1799.5	1740.8	1667.4	1568.3	1472.9	1382.3
52.5°	2339.0	2301.0	2264.3	2206.8	2120.0	2047.8	1983.0	1901.0	1797.0	1679.6	1570.7
50°	2627.7	2608.1	2568.9	2501.7	2402.6	2339.0	2253.3	2144.5	2033.1	1909.6	1773.8
47.5°	3010.6	2978.7	2923.7	2850.3	2767.1	2671.7	2556.7	2429.5	2271.7	2134.7	1990.3
45°	3468.1	3409.3	3338.4	3239.3	3136.6	3028.9	2902.9	2741.4	2529.8	2351.2	2199.5
42.5°	3963.5	3884.0	3787.3	3657.7	3524.3	3392.2	3256.4	3036.2	2772.0	2566.5	2395.2
40°	4481.0	4379.4	4258.3	4069.9	3921.9	3751.9	3596.5	3267.4	2986.1	2763.4	2581.2
37.5°	4987.4	4859.0	4655.9	4427.1	4254.7	4115.2	3773.9	3421.6	3169.6	2924.9	2740.2
35°	5375.2	5266.3	4907.9	4670.6	4522.6	4302.4	3875.4	3514.6	3247.9	3044.8	2757.3
32.5°	5605.2	5323.8	5009.4	4769.7	4647.3	4286.5	3882.8	3541.5	3284.6	3057.0	2713.3
30°	5553.8	5213.7	4938.5	4737.9	4472.4	4148.2	3814.3	3499.9	3250.3	2975.1	2664.4
27.5°	5244.3	4981.3	4735.4	4526.2	4265.7	3974.5	3666.2	3389.8	3157.3	2890.7	2597.1
25°	4894.4	4655.9	4473.6	4291.3	4044.2	3766.6	3495.0	3295.6	3061.9	2798.9	2509.0
22.5°	4572.7	4401.4	4258.3	4067.5	3826.5	3584.3	3415.5	3208.7	2969.0	2702.3	2418.5
20°	4367.2	4251.0	4087.1	3876.6	3687.0	3535.3	3348.2	3129.2	2882.1	2603.2	2341.4
17.5°	4268.1	4133.5	3951.3	3814.3	3668.7	3502.3	3293.1	3060.7	2797.7	2557.9	2350.0
15°	4216.7	4074.8	3954.9	3820.4	3656.5	3481.5	3249.1	3008.1	2797.7	2576.3	2356.1
12.5°	4227.7	4105.4	3974.5	3827.7	3651.6	3464.4	3254.0	3030.1	2812.4	2589.7	2357.3
10°	4262.0	4133.5	3994.1	3831.4	3654.0	3469.3	3267.4	3043.6	2819.7	2595.9	2354.9
7.5°	4274.2	4134.8	3985.5	3821.6	3647.9	3466.8	3269.9	3047.2	2820.9	2594.6	2347.5
5°	4236.3	4110.3	3966.0	3800.8	3630.8	3454.6	3260.1	3042.4	2811.2	2582.4	2329.2
2.5°	4184.9	4083.4	3945.2	3786.1	3613.6	3437.5	3244.2	3020.3	2789.1	2560.4	2305.9
0°	4176.4	4050.4	3910.9	3769.0	3585.5	3399.6	3207.5	2978.7	2748.8	2518.8	2265.6
-2.5°	4120.1	3986.7	3847.3	3693.2	3531.7	3344.5	3142.7	2918.8	2691.3	2465.0	2221.5
-5°	4077.3	3929.3	3781.2	3614.9	3452.2	3265.0	3055.8	2838.1	2615.4	2395.2	2160.4
-7.5°	4019.8	3868.1	3712.7	3539.0	3362.9	3172.0	2965.3	2747.5	2528.6	2309.6	2084.5
-10°	3903.6	3770.2	3624.6	3444.8	3258.9	3068.0	2862.5	2648.5	2429.5	2208.1	1981.8
-12.5°	3762.9	3622.2	3463.2	3298.0	3131.7	2954.3	2748.8	2538.4	2318.2	2095.5	1870.4
-15°	3580.6	3442.4	3279.7	3118.2	2957.9	2787.9	2606.9	2417.2	2193.4	1974.4	1749.3
-17.5°	3353.1	3223.4	3077.8	2923.7	2764.7	2593.4	2417.2	2257.0	2047.8	1842.3	1619.7
-20°	3108.4	2987.3	2856.4	2710.8	2551.8	2384.2	2217.8	2050.3	1869.2	1688.2	1481.4



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 CATALOG NUMBER: IFLD-S-SA2C-830-U-76

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
-22.5°	2854.0	2731.6	2599.5	2463.7	2316.9	2161.6	2007.4	1847.2	1688.2	1524.2	1349.3
-25°	2560.4	2452.7	2331.6	2199.5	2068.6	1932.8	1786.0	1640.5	1504.7	1362.8	1219.6
-27.5°	2253.3	2154.2	2044.1	1929.2	1816.6	1702.8	1575.6	1441.1	1328.5	1211.1	1092.4
-30°	1930.4	1850.9	1761.6	1661.2	1574.4	1482.6	1376.2	1264.9	1162.1	1072.8	977.4
-32.5°	1624.5	1557.3	1493.7	1427.6	1342.0	1271.0	1197.6	1115.7	1025.1	940.7	872.2
-35°	1361.5	1289.4	1262.4	1213.5	1152.4	1090.0	1036.1	977.4	908.9	834.3	778.0
-37.5°	1140.1	1097.3	1059.4	1032.5	992.1	941.9	899.1	856.3	803.7	747.4	691.2
-40°	967.6	938.3	896.7	883.2	857.5	823.3	779.2	746.2	710.7	667.9	620.2
-42.5°	829.4	807.4	780.5	757.2	746.2	721.7	687.5	655.7	627.6	598.2	561.5
-45°	715.6	701.0	683.8	663.0	654.5	634.9	610.4	575.0	559.0	534.6	507.7
-47.5°	623.9	616.5	604.3	590.9	578.6	563.9	541.9	519.9	497.9	482.0	461.2
-50°	551.7	546.8	539.5	528.5	512.6	502.8	488.1	468.5	447.7	434.3	419.6
-52.5°	494.2	489.3	484.4	475.9	463.6	453.8	441.6	425.7	408.6	395.1	382.9
-55°	450.2	442.8	439.2	431.8	422.0	411.0	400.0	389.0	374.3	362.1	349.9
-57.5°	415.9	406.1	401.2	395.1	385.3	374.3	365.8	354.8	345.0	331.5	320.5
-60°	389.0	378.0	368.2	362.1	353.5	342.5	334.0	325.4	315.6	304.6	291.1
-62.5°	367.0	353.5	340.1	332.7	324.2	314.4	305.8	297.3	287.5	276.5	264.2
-65°	346.2	330.3	313.2	305.8	297.3	287.5	276.5	270.4	261.8	252.0	239.8
-67.5°	320.5	303.4	288.7	280.1	271.6	263.0	253.2	247.1	238.5	226.3	214.1
-70°	282.6	271.6	261.8	254.4	247.1	239.8	230.0	220.2	210.4	199.4	188.4
-72.5°	234.9	231.2	230.0	226.3	217.7	209.2	199.4	189.6	181.0	172.5	163.9
-75°	189.6	192.1	194.5	193.3	184.7	176.2	167.6	159.0	152.9	145.6	138.2
-77.5°	150.5	152.9	155.4	155.4	149.2	144.3	138.2	132.1	127.2	121.1	113.8
-80°	116.2	119.9	123.6	126.0	121.1	117.4	112.5	107.7	102.8	97.9	93.0
-82.5°	88.1	91.7	95.4	97.9	94.2	91.7	88.1	84.4	80.7	75.8	72.2
-85°	63.6	66.1	68.5	69.7	67.3	64.8	62.4	59.9	57.5	53.8	51.4
-87.5°	36.7	37.9	39.1	40.4	37.9	35.5	34.3	31.8	30.6	28.1	26.9
-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°	30.6	28.1	25.7	24.5	22.0	18.3	15.9	13.5	11.0	8.6	7.3
85°	64.8	58.7	51.4	47.7	42.8	37.9	33.0	28.1	23.2	18.3	13.5
82.5°	111.3	104.0	96.6	88.1	77.1	63.6	50.2	41.6	34.3	26.9	20.8
80°	167.6	154.1	141.9	130.9	118.7	101.5	83.2	66.1	46.5	35.5	26.9
77.5°	232.4	216.5	199.4	181.0	161.5	138.2	117.4	95.4	72.2	48.9	34.3
75°	305.8	285.0	261.8	236.1	210.4	179.8	150.5	124.8	97.9	68.5	41.6
72.5°	387.8	362.1	334.0	299.7	259.3	223.9	188.4	154.1	122.3	86.9	56.3
70°	493.0	452.6	411.0	374.3	323.0	266.7	225.1	185.9	145.6	106.4	71.0
67.5°	605.5	556.6	506.4	452.6	387.8	321.7	261.8	217.7	170.0	124.8	84.4
65°	727.9	666.7	603.1	543.1	453.8	375.6	308.3	248.3	193.3	141.9	97.9
62.5°	853.9	781.7	708.3	630.0	527.2	430.6	352.3	282.6	215.3	157.8	110.1
60°	988.4	904.0	814.7	716.9	597.0	490.5	393.9	318.1	238.5	173.7	123.6
57.5°	1130.3	1038.6	933.4	801.3	669.1	548.0	441.6	349.9	259.3	188.4	133.3
55°	1284.5	1179.3	1064.3	889.3	740.1	605.5	489.3	381.7	281.4	200.6	143.1
52.5°	1450.8	1328.5	1182.9	982.3	814.7	664.3	533.4	409.8	302.2	214.1	151.7
50°	1636.8	1482.6	1286.9	1067.9	879.6	719.3	577.4	440.4	319.3	228.8	159.0
47.5°	1830.1	1663.7	1379.9	1147.5	945.6	773.1	622.7	467.3	336.4	241.0	166.4
45°	2031.9	1789.7	1476.5	1218.4	1003.1	822.1	656.9	491.8	357.2	252.0	172.5
42.5°	2231.3	1885.1	1560.9	1289.4	1056.9	866.1	685.1	515.0	374.3	263.0	178.6
40°	2325.5	1957.3	1628.2	1338.3	1102.2	905.2	709.5	535.8	389.0	270.4	184.7
37.5°	2364.6	2001.3	1672.3	1384.8	1137.7	926.0	730.3	554.2	401.2	277.7	189.6
35°	2373.2	2017.2	1694.3	1416.6	1167.0	945.6	746.2	567.6	411.0	285.0	194.5
32.5°	2357.3	2012.3	1700.4	1427.6	1185.4	960.3	757.2	577.4	418.4	292.4	199.4
30°	2321.8	1986.6	1678.4	1426.4	1198.8	968.9	764.6	584.7	425.7	297.3	201.8
27.5°	2264.3	1941.4	1650.2	1427.6	1206.2	972.5	768.2	588.4	430.6	300.9	206.7
25°	2193.4	1880.2	1651.5	1425.1	1207.4	973.7	768.2	588.4	431.8	302.2	210.4
22.5°	2111.4	1880.2	1651.5	1421.5	1200.1	971.3	764.6	586.0	431.8	304.6	214.1
20°	2116.3	1881.4	1647.8	1414.1	1189.1	964.0	756.0	579.8	428.2	308.3	216.5
17.5°	2120.0	1879.0	1640.5	1404.4	1174.4	951.7	745.0	571.3	428.2	311.9	217.7
15°	2120.0	1871.7	1629.4	1389.7	1156.0	934.6	729.1	563.9	429.4	313.2	220.2
12.5°	2116.3	1858.2	1612.3	1370.1	1134.0	913.8	719.3	561.5	429.4	314.4	220.2
10°	2109.0	1839.8	1590.3	1345.6	1113.2	906.5	714.4	556.6	426.9	314.4	220.2
7.5°	2095.5	1817.8	1571.9	1331.0	1101.0	897.9	707.1	549.3	423.3	311.9	222.6
5°	2074.7	1805.6	1557.3	1313.8	1083.8	891.8	702.2	543.1	420.8	311.9	220.2
2.5°	2047.8	1790.9	1540.1	1291.8	1064.3	871.0	686.3	529.7	412.3	307.0	217.7
0°	2003.8	1761.6	1510.8	1261.2	1037.4	850.2	670.4	516.2	403.7	302.2	215.3
-2.5°	1963.4	1722.4	1472.9	1229.4	1011.7	831.8	658.1	508.9	400.0	300.9	214.1
-5°	1907.1	1668.6	1422.7	1187.8	977.4	813.5	645.9	500.3	396.4	298.5	214.1
-7.5°	1844.7	1612.3	1370.1	1145.0	943.2	781.7	622.7	486.9	387.8	293.6	212.9
-10°	1748.1	1527.9	1304.0	1096.1	906.5	753.6	603.1	474.6	380.4	288.7	208.0
-12.5°	1645.3	1434.9	1228.2	1036.1	864.9	724.2	581.1	461.2	371.9	283.8	205.5
-15°	1536.5	1339.5	1148.7	973.7	819.6	688.7	557.8	446.5	363.3	277.7	201.8
-17.5°	1422.7	1239.2	1066.7	910.1	774.4	652.0	533.4	433.0	353.5	271.6	198.2
-20°	1302.8	1136.4	983.5	845.3	726.6	615.3	507.7	417.1	342.5	264.2	193.3



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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°	1184.2	1034.9	897.9	781.7	677.7	577.4	482.0	401.2	330.3	255.7	189.6
-25°	1079.0	939.5	822.1	720.5	630.0	540.7	455.1	385.3	316.8	247.1	184.7
-27.5°	976.2	857.5	747.4	663.0	583.5	505.2	429.4	368.2	303.4	237.3	179.8
-30°	880.8	779.2	688.7	606.8	539.5	473.4	407.4	351.1	288.7	227.5	173.7
-32.5°	793.9	712.0	636.1	557.8	497.9	441.6	386.6	334.0	274.0	217.7	167.6
-35°	713.2	649.6	583.5	517.5	456.3	412.3	364.5	315.6	260.6	206.7	161.5
-37.5°	641.0	589.6	537.0	480.8	428.2	384.1	343.7	297.3	247.1	197.0	155.4
-40°	578.6	537.0	490.5	445.3	401.2	359.7	323.0	278.9	233.7	189.6	149.2
-42.5°	521.1	489.3	451.4	413.5	374.3	337.6	302.2	259.3	220.2	181.0	143.1
-45°	477.1	445.3	414.7	380.4	347.4	315.6	280.1	242.2	208.0	171.3	137.0
-47.5°	435.5	407.4	379.2	351.1	324.2	294.8	259.3	227.5	194.5	162.7	132.1
-50°	398.8	371.9	347.4	323.0	299.7	271.6	238.5	212.9	183.5	154.1	126.0
-52.5°	364.5	341.3	316.8	297.3	277.7	249.6	222.6	198.2	172.5	144.3	119.9
-55°	334.0	311.9	289.9	271.6	253.2	228.8	206.7	185.9	161.5	137.0	113.8
-57.5°	304.6	286.3	265.5	248.3	230.0	210.4	192.1	172.5	150.5	129.7	107.7
-60°	277.7	260.6	242.2	225.1	209.2	193.3	176.2	160.3	140.7	121.1	101.5
-62.5°	250.8	236.1	220.2	203.1	190.8	176.2	162.7	146.8	130.9	113.8	90.5
-65°	226.3	212.9	198.2	183.5	172.5	161.5	149.2	134.6	121.1	105.2	80.7
-67.5°	201.8	189.6	177.4	165.1	155.4	146.8	134.6	123.6	112.5	95.4	71.0
-70°	178.6	168.8	157.8	148.0	140.7	130.9	122.3	112.5	102.8	83.2	59.9
-72.5°	156.6	146.8	138.2	130.9	124.8	116.2	108.9	101.5	88.1	69.7	50.2
-75°	130.9	124.8	119.9	113.8	107.7	101.5	95.4	86.9	73.4	56.3	39.1
-77.5°	107.7	104.0	100.3	95.4	90.5	85.6	78.3	69.7	58.7	44.0	31.8
-80°	88.1	84.4	82.0	77.1	73.4	68.5	61.2	53.8	42.8	34.3	25.7
-82.5°	67.3	64.8	62.4	59.9	56.3	51.4	44.0	37.9	31.8	25.7	19.6
-85°	47.7	46.5	44.0	41.6	37.9	34.3	29.4	25.7	22.0	17.1	13.5
-87.5°	24.5	23.2	22.0	20.8	19.6	17.1	14.7	12.2	11.0	8.6	6.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P722193
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CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0
87.5°	4.9	3.7	1.2	0.0
85°	9.8	6.1	2.4	0.0
82.5°	14.7	9.8	3.7	0.0
80°	19.6	12.2	6.1	0.0
77.5°	24.5	14.7	7.3	0.0
75°	29.4	18.3	8.6	0.0
72.5°	33.0	20.8	9.8	0.0
70°	39.1	24.5	11.0	0.0
67.5°	48.9	26.9	12.2	0.0
65°	57.5	29.4	13.5	0.0
62.5°	67.3	31.8	14.7	0.0
60°	75.8	34.3	15.9	0.0
57.5°	84.4	40.4	17.1	0.0
55°	91.7	45.3	18.3	0.0
52.5°	100.3	50.2	19.6	0.0
50°	107.7	55.0	20.8	0.0
47.5°	113.8	59.9	20.8	0.0
45°	118.7	63.6	22.0	0.0
42.5°	122.3	67.3	23.2	0.0
40°	126.0	71.0	24.5	0.0
37.5°	129.7	74.6	24.5	0.0
35°	133.3	78.3	25.7	0.0
32.5°	137.0	82.0	25.7	0.0
30°	139.5	84.4	26.9	0.0
27.5°	143.1	86.9	26.9	0.0
25°	144.3	89.3	28.1	0.0
22.5°	146.8	90.5	28.1	0.0
20°	149.2	93.0	28.1	0.0
17.5°	150.5	94.2	29.4	0.0
15°	150.5	95.4	30.6	0.0
12.5°	151.7	96.6	30.6	0.0
10°	151.7	99.1	29.4	0.0
7.5°	154.1	97.9	29.4	0.0
5°	152.9	97.9	29.4	0.0
2.5°	151.7	96.6	29.4	0.0
0°	150.5	96.6	29.4	0.0
-2.5°	150.5	96.6	29.4	0.0
-5°	150.5	96.6	29.4	0.0
-7.5°	149.2	97.9	29.4	0.0
-10°	146.8	97.9	29.4	0.0
-12.5°	145.6	94.2	29.4	0.0
-15°	144.3	93.0	29.4	0.0
-17.5°	141.9	91.7	28.1	0.0
-20°	139.5	90.5	28.1	0.0



REPORT NUMBER: P722193
 CATALOG NUMBER: IFLD-S-SA2C-830-U-76

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	137.0	88.1	28.1	0.0
-25°	134.6	85.6	26.9	0.0
-27.5°	132.1	83.2	26.9	0.0
-30°	128.4	80.7	25.7	0.0
-32.5°	124.8	78.3	25.7	0.0
-35°	122.3	74.6	24.5	0.0
-37.5°	118.7	71.0	24.5	0.0
-40°	115.0	67.3	23.2	0.0
-42.5°	111.3	63.6	22.0	0.0
-45°	106.4	59.9	22.0	0.0
-47.5°	102.8	56.3	20.8	0.0
-50°	96.6	51.4	19.6	0.0
-52.5°	89.3	46.5	18.3	0.0
-55°	82.0	42.8	17.1	0.0
-57.5°	74.6	37.9	17.1	0.0
-60°	67.3	33.0	15.9	0.0
-62.5°	59.9	30.6	14.7	0.0
-65°	52.6	28.1	13.5	0.0
-67.5°	44.0	24.5	12.2	0.0
-70°	36.7	22.0	11.0	0.0
-72.5°	31.8	19.6	9.8	0.0
-75°	26.9	17.1	8.6	0.0
-77.5°	23.2	14.7	7.3	0.0
-80°	18.3	11.0	4.9	0.0
-82.5°	13.5	8.6	3.7	0.0
-85°	8.6	6.1	2.4	0.0
-87.5°	4.9	2.4	1.2	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)