

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: P722253

Luminaire Tested: **IFLD-S-SA2E-930-U-76**

Issue Date: 10/26/2023

Test Information

Test Method: LM-79-2019
Report Number: P722253
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2E-930-U-76
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7x6 Flood distribution lens
Light Source: (32) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

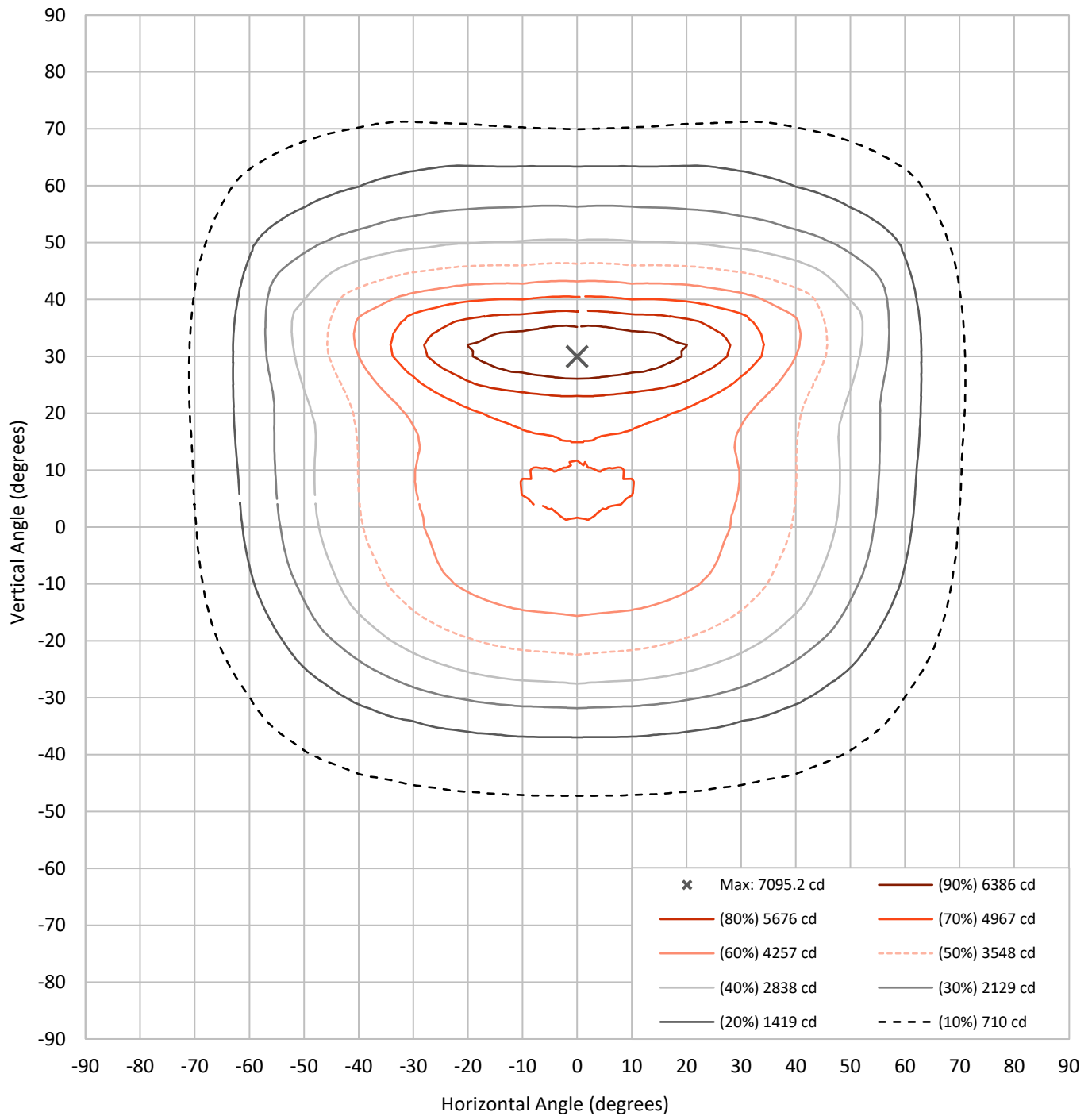
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	11843.6 lumens	Max Intensity:	7095.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	75.8 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')		
Beam Angle (50%):	90.8°H x 68.8°V	Field Angle (10%):	142°H x 117.1°V
Beam Lumens:	6887.2 lumens	Field Lumens:	11099 lumens
Beam Efficiency:	58.2%	Field Efficiency:	93.7%

Input Watts (W): 156.2
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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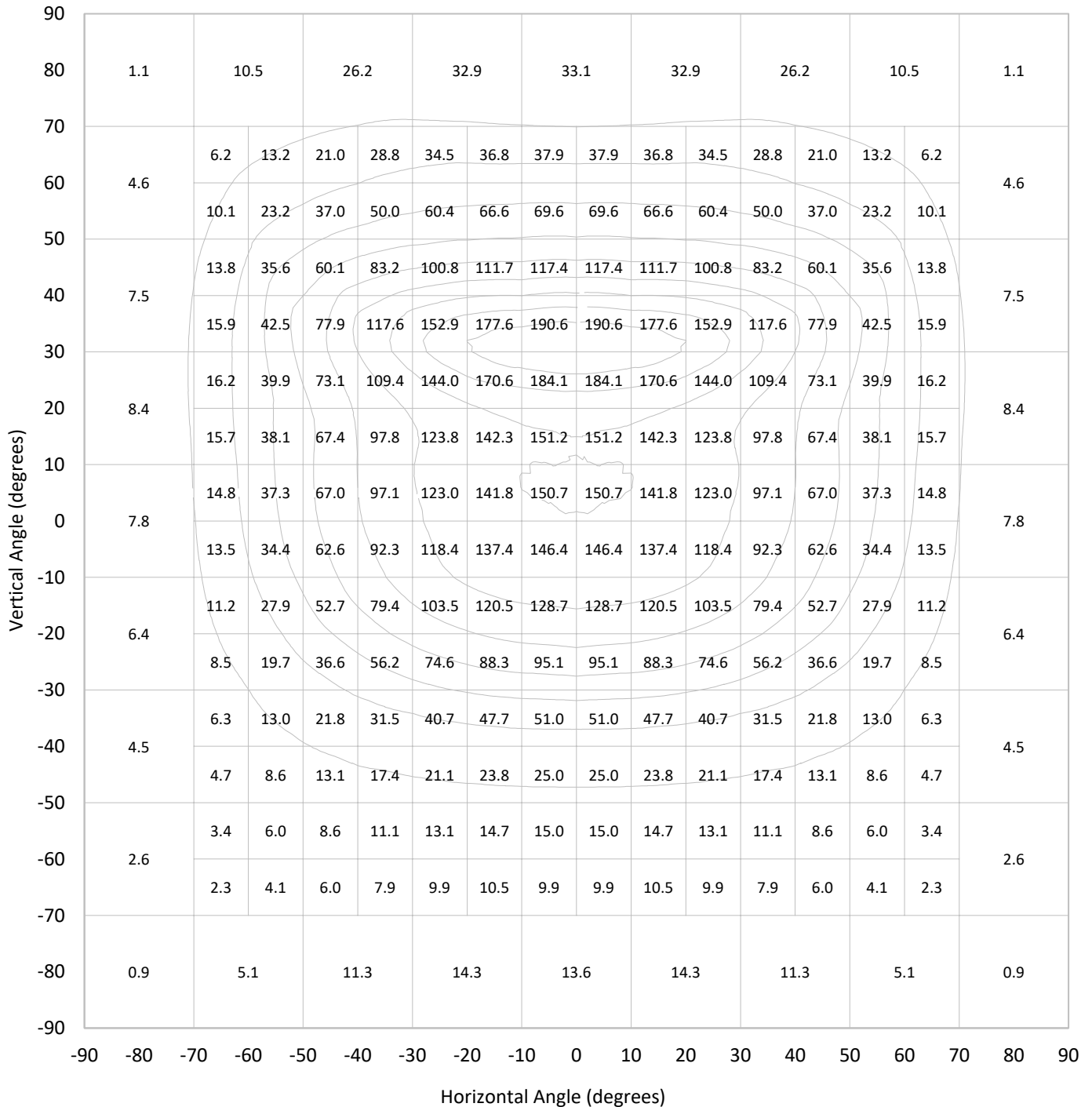
Iso-Candela Plot





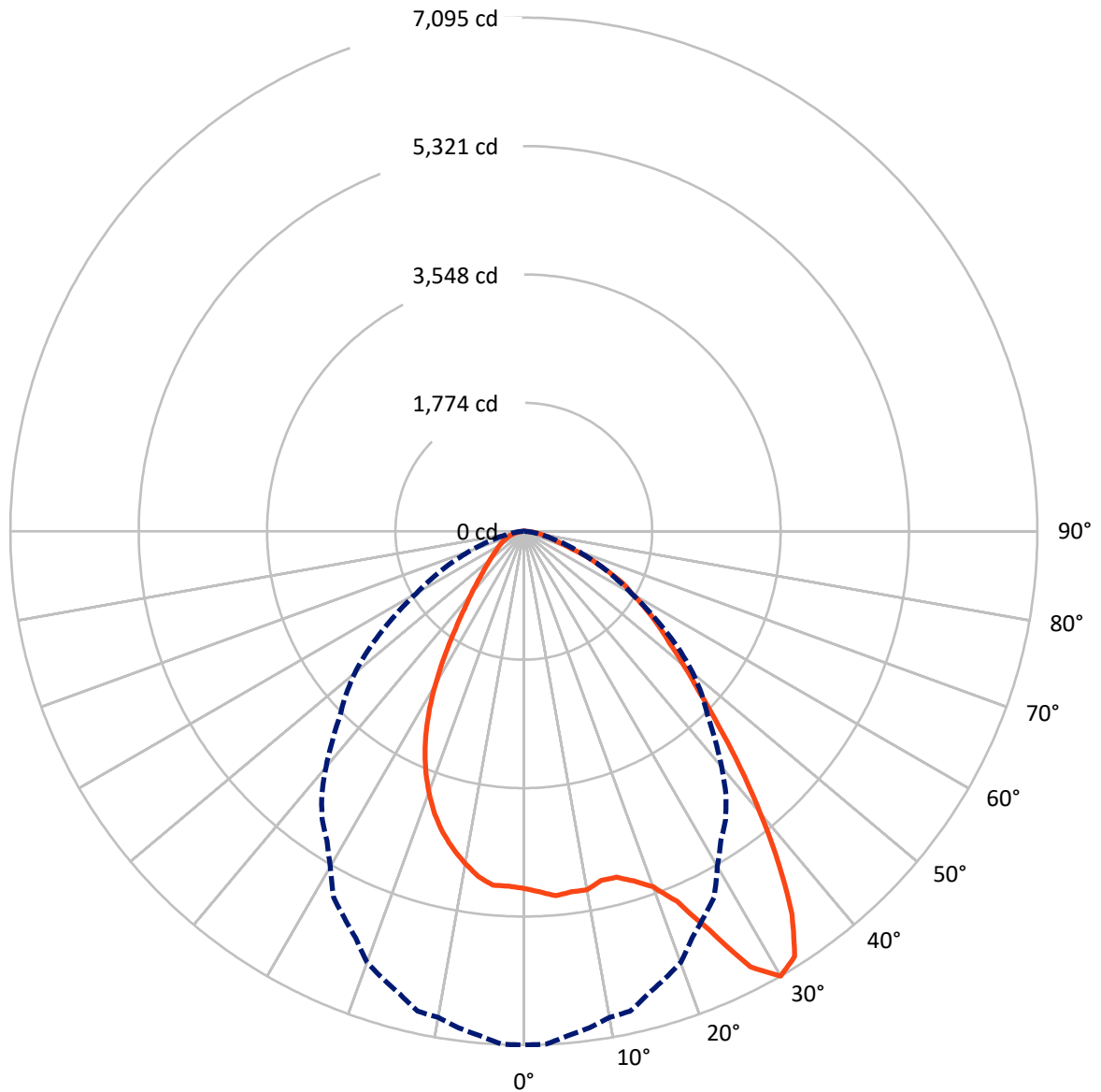
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Lumen Table



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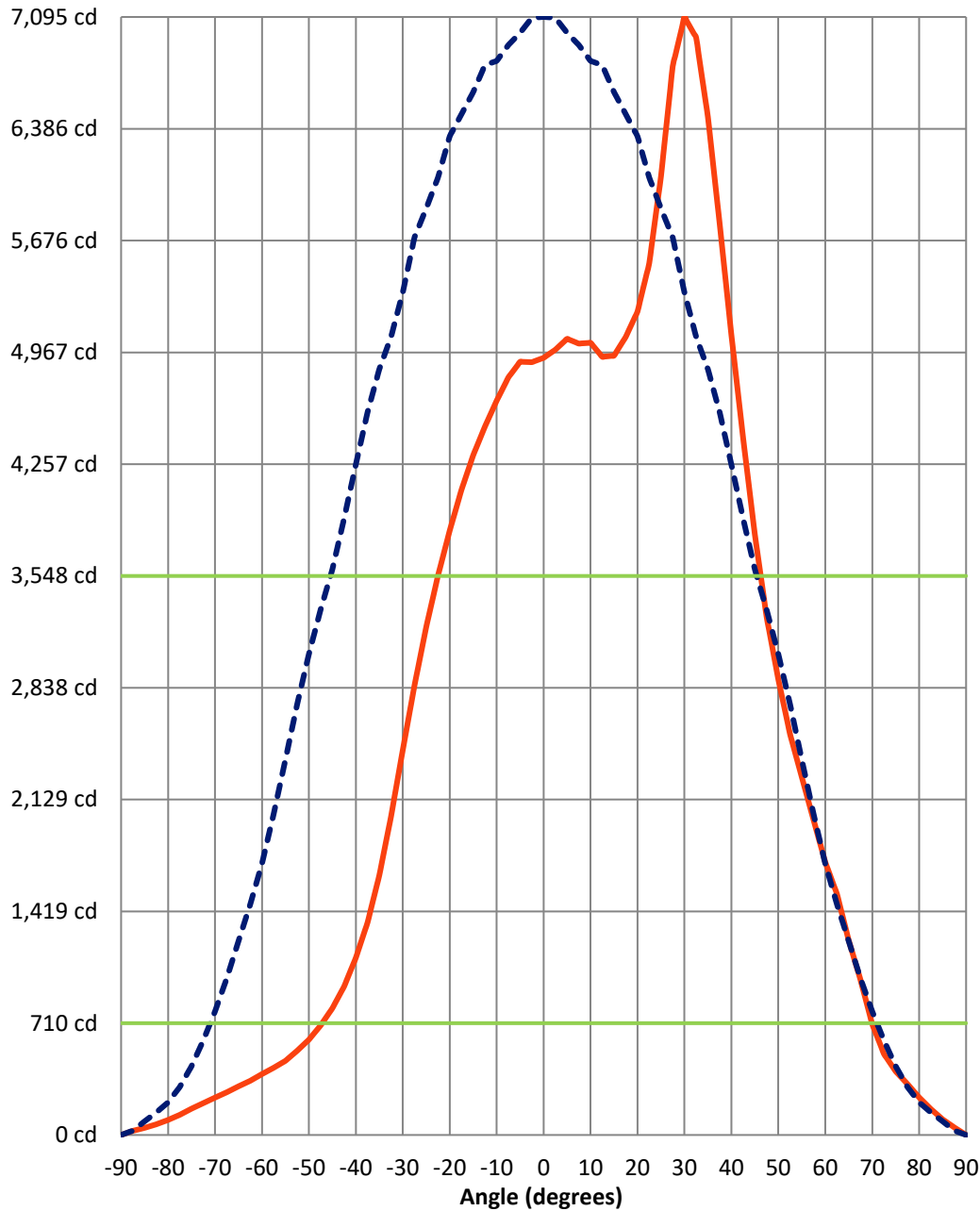
Luminous Intensity Polar Plot



— 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: 6887.2
 Efficiency: 58.2%

Field:
 H Angle: 142°
 V Angle: 117.1°
 Lumens: 11099
 Efficiency: 93.7%

Spill:
 Lumens: 744.6
 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°	47.7	48.9	50.2	50.2	48.9	48.9	48.9	47.7	48.9	48.9	48.9
85°	99.1	101.6	104.1	102.9	101.6	99.1	96.6	97.9	99.1	100.4	100.4
82.5°	164.4	168.1	170.6	169.4	166.9	164.4	161.9	163.1	165.6	166.9	166.9
80°	238.4	239.6	240.9	243.4	239.6	239.6	238.4	243.4	245.9	248.4	250.9
77.5°	323.7	325.0	325.0	326.2	327.5	328.7	328.7	337.5	343.8	347.5	351.3
75°	404.0	407.8	411.5	415.3	420.3	422.8	426.6	439.1	449.2	456.7	464.2
72.5°	514.4	519.4	525.7	534.5	543.3	549.5	558.3	573.4	584.7	592.2	601.0
70°	703.9	708.9	715.2	721.4	730.2	736.5	745.3	764.1	775.4	780.4	785.4
67.5°	984.9	997.5	1008.8	996.2	989.9	981.2	983.7	1001.2	1012.5	1020.1	1018.8
65°	1234.6	1243.4	1243.4	1242.1	1237.1	1225.8	1232.1	1253.4	1266.0	1272.2	1253.4
62.5°	1528.2	1528.2	1521.9	1532.0	1533.2	1525.7	1521.9	1523.2	1524.4	1528.2	1496.8
60°	1731.5	1744.0	1747.8	1756.5	1759.1	1759.1	1765.3	1770.3	1770.3	1762.8	1726.4
57.5°	2000.0	2023.8	2028.8	2022.5	2010.0	1993.7	1991.2	1983.6	1968.6	1953.5	1936.0
55°	2271.0	2283.5	2282.3	2278.5	2265.9	2247.1	2249.6	2239.6	2215.8	2196.9	2173.1
52.5°	2543.2	2573.3	2578.4	2570.8	2553.3	2533.2	2534.4	2523.2	2499.3	2479.2	2446.6
50°	2890.8	2915.9	2913.4	2900.8	2875.7	2860.7	2861.9	2840.6	2813.0	2806.7	2764.0
47.5°	3288.5	3317.4	3312.3	3294.8	3260.9	3254.6	3260.9	3233.3	3217.0	3203.2	3153.0
45°	3810.4	3844.3	3825.5	3791.6	3737.7	3743.9	3752.7	3747.7	3712.6	3676.2	3612.2
42.5°	4422.7	4444.1	4421.5	4387.6	4319.8	4332.4	4327.4	4297.3	4275.9	4215.7	4134.2
40°	5077.7	5124.1	5089.0	5036.3	4966.0	4984.8	4971.0	4932.1	4881.9	4806.7	4703.8
37.5°	5784.1	5820.4	5780.3	5718.8	5656.1	5649.8	5622.2	5562.0	5490.5	5407.6	5243.3
35°	6460.3	6554.4	6480.4	6382.5	6306.0	6277.1	6250.8	6111.5	6030.0	5895.7	5671.1
32.5°	6963.4	7032.5	6940.9	6839.2	6746.4	6706.2	6613.4	6447.8	6403.9	6121.6	5915.8
30°	7095.2	7090.2	6994.8	6917.0	6816.6	6789.0	6618.4	6477.9	6337.4	6076.4	5880.7
27.5°	6781.5	6750.1	6658.6	6590.8	6491.7	6459.1	6290.9	6215.7	5998.6	5777.8	5612.2
25°	6082.7	6099.0	6030.0	5996.1	5930.8	5860.6	5794.1	5692.5	5557.0	5363.7	5211.9
22.5°	5531.9	5553.2	5524.3	5484.2	5434.0	5395.1	5344.9	5265.9	5135.4	5016.2	4873.2
20°	5225.7	5219.4	5194.4	5164.2	5116.6	5089.0	5033.8	4967.3	4866.9	4764.0	4609.7
17.5°	5065.1	5026.2	5002.4	4991.1	4966.0	4930.9	4865.6	4797.9	4720.1	4603.4	4490.5
15°	4945.9	4952.2	4933.4	4924.6	4904.5	4855.6	4789.1	4733.9	4628.5	4569.5	4466.6
12.5°	4938.4	4932.1	4933.4	4929.6	4904.5	4841.8	4807.9	4737.7	4669.9	4592.1	4474.2
10°	5027.5	4961.0	4966.0	4983.6	4943.4	4893.2	4856.8	4780.3	4716.3	4617.2	4500.5
7.5°	5022.5	4988.6	4998.6	4969.8	4982.3	4920.8	4870.6	4794.1	4713.8	4608.4	4503.0
5°	5052.6	5001.1	4992.4	4994.9	4963.5	4917.1	4849.3	4776.5	4701.3	4583.3	4475.4
2.5°	4983.6	4991.1	4950.9	4935.9	4932.1	4854.3	4791.6	4721.3	4643.6	4539.4	4442.8
0°	4932.1	4945.9	4904.5	4883.2	4881.9	4815.4	4775.3	4695.0	4639.8	4553.2	4436.5
-2.5°	4904.5	4920.8	4925.9	4887.0	4849.3	4797.9	4730.1	4643.6	4553.2	4452.8	4352.5
-5°	4907.0	4874.4	4860.6	4873.2	4840.5	4789.1	4713.8	4637.3	4548.2	4440.3	4314.8
-7.5°	4807.9	4775.3	4772.8	4766.5	4759.0	4710.0	4647.3	4564.5	4474.2	4373.8	4257.1
-10°	4659.9	4636.0	4629.7	4623.5	4603.4	4574.5	4515.6	4440.3	4358.7	4258.4	4134.2
-12.5°	4495.5	4484.2	4460.4	4444.1	4424.0	4390.1	4333.6	4264.6	4183.1	4094.0	3987.4
-15°	4313.6	4292.2	4268.4	4254.6	4225.7	4185.6	4129.1	4065.1	3976.1	3888.2	3787.9
-17.5°	4094.0	4067.7	4041.3	4037.5	4017.5	3956.0	3903.3	3825.5	3747.7	3663.7	3565.8
-20°	3835.5	3799.2	3781.6	3771.6	3743.9	3698.8	3642.3	3570.8	3495.5	3415.2	3302.3



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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°	3549.5	3518.1	3488.0	3469.2	3445.3	3410.2	3356.3	3293.5	3219.5	3129.2	3025.0
-25°	3224.5	3180.6	3161.8	3140.5	3127.9	3095.3	3042.6	2984.9	2908.3	2820.5	2721.4
-27.5°	2853.1	2818.0	2808.0	2777.8	2762.8	2728.9	2685.0	2631.1	2560.8	2478.0	2396.4
-30°	2442.9	2421.5	2405.2	2375.1	2363.8	2327.4	2298.6	2253.4	2189.4	2130.4	2065.2
-32.5°	2021.3	2000.0	1994.9	1981.1	1973.6	1949.8	1917.1	1884.5	1833.1	1789.2	1736.5
-35°	1647.4	1632.3	1633.6	1632.3	1624.8	1607.2	1567.1	1558.3	1520.7	1480.5	1446.6
-37.5°	1348.8	1350.0	1348.8	1347.5	1337.5	1330.0	1301.1	1289.8	1267.2	1228.3	1208.3
-40°	1124.2	1126.7	1125.4	1122.9	1111.6	1107.9	1089.1	1074.0	1065.2	1037.6	1016.3
-42.5°	942.3	946.0	944.8	943.5	936.0	934.7	924.7	907.1	902.1	885.8	863.2
-45°	804.2	803.0	800.5	803.0	799.2	795.5	789.2	777.9	771.6	764.1	745.3
-47.5°	695.1	696.3	693.8	693.8	688.8	685.1	682.5	675.0	670.0	663.7	652.4
-50°	604.8	609.8	608.5	607.3	603.5	601.0	601.0	593.5	585.9	583.4	575.9
-52.5°	534.5	538.3	539.5	542.0	543.3	544.5	540.8	533.2	520.7	519.4	515.7
-55°	470.5	481.8	489.3	494.3	499.4	503.1	495.6	485.6	473.0	468.0	466.7
-57.5°	426.6	437.9	446.7	454.2	460.5	466.7	459.2	449.2	437.9	431.6	430.4
-60°	386.4	396.5	405.3	415.3	424.1	434.1	430.4	422.8	416.6	411.5	406.5
-62.5°	343.8	353.8	363.9	376.4	387.7	397.7	399.0	397.7	396.5	397.7	388.9
-65°	308.6	313.7	319.9	333.7	346.3	357.6	363.9	367.6	373.9	380.2	371.4
-67.5°	271.0	277.3	284.8	294.8	304.9	312.4	321.2	331.2	341.3	351.3	345.0
-70°	237.1	242.2	248.4	253.4	259.7	264.7	272.3	283.6	294.8	304.9	302.4
-72.5°	202.0	207.0	210.8	213.3	217.1	219.6	223.3	233.4	240.9	245.9	245.9
-75°	166.9	171.9	175.7	176.9	179.4	180.7	183.2	186.9	190.7	192.0	193.2
-77.5°	128.0	133.0	136.8	139.3	141.8	144.3	145.5	148.1	149.3	149.3	150.6
-80°	95.4	99.1	101.6	105.4	106.6	109.2	111.7	112.9	114.2	114.2	115.4
-82.5°	67.8	70.3	72.8	75.3	77.8	79.0	81.6	82.8	84.1	85.3	86.6
-85°	45.2	47.7	50.2	52.7	54.0	55.2	56.5	57.7	59.0	60.2	61.5
-87.5°	26.3	27.6	28.9	31.4	32.6	35.1	36.4	35.1	36.4	36.4	36.4
-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°	48.9	48.9	48.9	48.9	47.7	45.2	43.9	41.4	38.9	36.4	33.9
85°	101.6	102.9	102.9	102.9	100.4	99.1	95.4	91.6	86.6	79.0	72.8
82.5°	169.4	170.6	170.6	169.4	166.9	163.1	158.1	151.8	141.8	131.7	123.0
80°	254.7	256.0	256.0	254.7	248.4	242.2	235.9	228.4	215.8	202.0	186.9
77.5°	356.3	358.8	358.8	355.1	346.3	338.8	328.7	316.2	297.4	277.3	257.2
75°	474.3	480.5	481.8	478.0	466.7	452.9	436.6	415.3	386.4	361.3	337.5
72.5°	611.0	617.3	622.3	617.3	601.0	582.2	558.3	533.2	504.4	470.5	430.4
70°	790.4	796.7	800.5	784.2	755.3	723.9	695.1	666.2	632.4	591.0	547.0
67.5°	1016.3	1010.0	1002.5	969.9	933.5	895.8	855.7	813.0	769.1	725.2	673.8
65°	1233.3	1215.8	1199.5	1160.6	1114.2	1065.2	1018.8	971.1	918.4	863.2	814.3
62.5°	1461.7	1424.1	1383.9	1336.2	1288.6	1234.6	1188.2	1131.7	1072.7	1005.0	942.3
60°	1686.3	1641.1	1601.0	1542.0	1479.3	1406.5	1356.3	1301.1	1232.1	1159.3	1085.3
57.5°	1903.3	1854.4	1810.5	1759.1	1691.3	1612.3	1557.1	1485.5	1412.8	1321.2	1245.9
55°	2134.2	2085.3	2050.1	1992.4	1918.4	1845.6	1785.4	1710.1	1608.5	1510.6	1417.8
52.5°	2398.9	2360.0	2322.4	2263.4	2174.4	2100.3	2033.8	1949.8	1843.1	1722.7	1611.0
50°	2695.0	2675.0	2634.8	2565.8	2464.2	2398.9	2311.1	2199.4	2085.3	1958.5	1819.3
47.5°	3087.8	3055.1	2998.7	2923.4	2838.1	2740.2	2622.3	2491.8	2329.9	2189.4	2041.4
45°	3557.0	3496.8	3424.0	3322.4	3217.0	3106.6	2977.3	2811.7	2594.7	2411.5	2255.9
42.5°	4065.1	3983.6	3884.5	3751.5	3614.7	3479.2	3339.9	3114.1	2843.1	2632.3	2456.7
40°	4595.9	4491.7	4367.5	4174.3	4022.5	3848.1	3688.7	3351.2	3062.7	2834.3	2647.4
37.5°	5115.3	4983.6	4775.3	4540.7	4363.8	4220.7	3870.7	3509.3	3250.9	2999.9	2810.5
35°	5513.0	5401.4	5033.8	4790.3	4638.5	4412.7	3974.8	3604.7	3331.2	3122.9	2828.0
32.5°	5748.9	5460.3	5137.9	4892.0	4766.5	4396.4	3982.3	3632.3	3368.8	3135.4	2782.9
30°	5696.2	5347.4	5065.1	4859.4	4587.1	4254.6	3912.1	3589.6	3333.7	3051.4	2732.7
27.5°	5378.8	5109.0	4856.8	4642.3	4375.1	4076.4	3760.3	3476.7	3238.3	2964.8	2663.7
25°	5020.0	4775.3	4588.3	4401.4	4148.0	3863.1	3584.6	3380.1	3140.5	2870.7	2573.3
22.5°	4690.0	4514.3	4367.5	4171.8	3924.6	3676.2	3503.1	3291.0	3045.1	2771.6	2480.5
20°	4479.2	4360.0	4191.9	3976.1	3781.6	3626.0	3434.0	3209.5	2956.0	2669.9	2401.4
17.5°	4377.6	4239.5	4052.6	3912.1	3762.8	3592.1	3377.6	3139.2	2869.4	2623.5	2410.2
15°	4324.9	4179.3	4056.4	3918.3	3750.2	3570.8	3332.4	3085.2	2869.4	2642.3	2416.5
12.5°	4336.2	4210.7	4076.4	3925.9	3745.2	3553.2	3337.4	3107.8	2884.5	2656.1	2417.8
10°	4371.3	4239.5	4096.5	3929.6	3747.7	3558.3	3351.2	3121.6	2892.0	2662.4	2415.2
7.5°	4383.8	4240.8	4087.7	3919.6	3741.4	3555.7	3353.7	3125.4	2893.3	2661.2	2407.7
5°	4344.9	4215.7	4067.7	3898.3	3723.9	3543.2	3343.7	3120.4	2883.2	2648.6	2388.9
2.5°	4292.2	4188.1	4046.3	3883.2	3706.3	3525.6	3327.4	3097.8	2860.7	2626.0	2365.1
0°	4283.5	4154.2	4011.2	3865.7	3677.5	3486.7	3289.8	3055.1	2819.3	2583.4	2323.7
-2.5°	4225.7	4089.0	3946.0	3787.9	3622.2	3430.3	3223.3	2993.7	2760.3	2528.2	2278.5
-5°	4181.8	4030.0	3878.2	3707.6	3540.7	3348.7	3134.2	2910.8	2682.5	2456.7	2215.8
-7.5°	4122.9	3967.3	3807.9	3629.8	3449.1	3253.4	3041.3	2818.0	2593.4	2368.8	2138.0
-10°	4003.7	3866.9	3717.6	3533.2	3342.5	3146.7	2935.9	2716.4	2491.8	2264.7	2032.6
-12.5°	3859.4	3715.1	3552.0	3382.6	3212.0	3030.0	2819.3	2603.4	2377.6	2149.3	1918.4
-15°	3672.4	3530.7	3363.8	3198.2	3033.8	2859.4	2673.7	2479.2	2249.6	2025.0	1794.2
-17.5°	3439.1	3306.1	3156.8	2998.7	2835.6	2659.9	2479.2	2314.9	2100.3	1889.5	1661.2
-20°	3188.1	3063.9	2929.7	2780.4	2617.3	2445.4	2274.7	2102.8	1917.1	1731.5	1519.4



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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°	2927.2	2801.7	2666.2	2526.9	2376.4	2217.0	2058.9	1894.6	1731.5	1563.3	1383.9
-25°	2626.0	2515.6	2391.4	2255.9	2121.7	1982.4	1831.8	1682.5	1543.2	1397.7	1250.9
-27.5°	2311.1	2209.5	2096.6	1978.6	1863.2	1746.5	1616.0	1478.0	1362.6	1242.1	1120.4
-30°	1979.9	1898.3	1806.7	1703.8	1614.8	1520.7	1411.5	1297.3	1191.9	1100.3	1002.5
-32.5°	1666.2	1597.2	1532.0	1464.2	1376.4	1303.6	1228.3	1144.3	1051.4	964.8	894.6
-35°	1396.5	1322.4	1294.8	1244.6	1181.9	1117.9	1062.7	1002.5	932.2	855.7	798.0
-37.5°	1169.4	1125.4	1086.5	1058.9	1017.5	966.1	922.2	878.3	824.3	766.6	708.9
-40°	992.4	962.3	919.7	905.9	879.5	844.4	799.2	765.4	729.0	685.1	636.1
-42.5°	850.7	828.1	800.5	776.6	765.4	740.3	705.1	672.5	643.6	613.5	575.9
-45°	734.0	718.9	701.4	680.0	671.3	651.2	626.1	589.7	573.4	548.3	520.7
-47.5°	639.9	632.4	619.8	606.0	593.5	578.4	555.8	533.2	510.7	494.3	473.0
-50°	565.9	560.8	553.3	542.0	525.7	515.7	500.6	480.5	459.2	445.4	430.4
-52.5°	506.9	501.9	496.9	488.1	475.5	465.5	452.9	436.6	419.1	405.3	392.7
-55°	461.7	454.2	450.4	442.9	432.9	421.6	410.3	399.0	383.9	371.4	358.8
-57.5°	426.6	416.6	411.5	405.3	395.2	383.9	375.1	363.9	353.8	340.0	328.7
-60°	399.0	387.7	377.7	371.4	362.6	351.3	342.5	333.7	323.7	312.4	298.6
-62.5°	376.4	362.6	348.8	341.3	332.5	322.5	313.7	304.9	294.8	283.6	271.0
-65°	355.1	338.8	321.2	313.7	304.9	294.8	283.6	277.3	268.5	258.5	245.9
-67.5°	328.7	311.2	296.1	287.3	278.5	269.8	259.7	253.4	244.7	232.1	219.6
-70°	289.8	278.5	268.5	261.0	253.4	245.9	235.9	225.8	215.8	204.5	193.2
-72.5°	240.9	237.1	235.9	232.1	223.3	214.5	204.5	194.5	185.7	176.9	168.1
-75°	194.5	197.0	199.5	198.2	189.5	180.7	171.9	163.1	156.8	149.3	141.8
-77.5°	154.3	156.8	159.3	159.3	153.1	148.1	141.8	135.5	130.5	124.2	116.7
-80°	119.2	123.0	126.7	129.2	124.2	120.4	115.4	110.4	105.4	100.4	95.4
-82.5°	90.3	94.1	97.9	100.4	96.6	94.1	90.3	86.6	82.8	77.8	74.0
-85°	65.2	67.8	70.3	71.5	69.0	66.5	64.0	61.5	59.0	55.2	52.7
-87.5°	37.6	38.9	40.1	41.4	38.9	36.4	35.1	32.6	31.4	28.9	27.6
-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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 CATALOG NUMBER: IFLD-S-SA2E-930-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°	31.4	28.9	26.3	25.1	22.6	18.8	16.3	13.8	11.3	8.8	7.5
85°	66.5	60.2	52.7	48.9	43.9	38.9	33.9	28.9	23.8	18.8	13.8
82.5°	114.2	106.6	99.1	90.3	79.0	65.2	51.4	42.7	35.1	27.6	21.3
80°	171.9	158.1	145.5	134.3	121.7	104.1	85.3	67.8	47.7	36.4	27.6
77.5°	238.4	222.1	204.5	185.7	165.6	141.8	120.4	97.9	74.0	50.2	35.1
75°	313.7	292.3	268.5	242.2	215.8	184.4	154.3	128.0	100.4	70.3	42.7
72.5°	397.7	371.4	342.5	307.4	266.0	229.6	193.2	158.1	125.5	89.1	57.7
70°	505.6	464.2	421.6	383.9	331.2	273.5	230.9	190.7	149.3	109.2	72.8
67.5°	621.1	570.9	519.4	464.2	397.7	330.0	268.5	223.3	174.4	128.0	86.6
65°	746.5	683.8	618.6	557.1	465.5	385.2	316.2	254.7	198.2	145.5	100.4
62.5°	875.8	801.7	726.5	646.2	540.8	441.6	361.3	289.8	220.8	161.9	112.9
60°	1013.8	927.2	835.6	735.2	612.3	503.1	404.0	326.2	244.7	178.2	126.7
57.5°	1159.3	1065.2	957.3	821.8	686.3	562.1	452.9	358.8	266.0	193.2	136.8
55°	1317.4	1209.5	1091.6	912.1	759.1	621.1	501.9	391.5	288.6	205.8	146.8
52.5°	1488.0	1362.6	1213.3	1007.5	835.6	681.3	547.0	420.3	309.9	219.6	155.6
50°	1678.8	1520.7	1319.9	1095.3	902.1	737.7	592.2	451.7	327.5	234.6	163.1
47.5°	1877.0	1706.4	1415.3	1176.9	969.9	793.0	638.6	479.3	345.0	247.2	170.6
45°	2084.0	1835.6	1514.4	1249.7	1028.8	843.1	673.8	504.4	366.4	258.5	176.9
42.5°	2288.5	1933.5	1601.0	1322.4	1084.0	888.3	702.6	528.2	383.9	269.8	183.2
40°	2385.1	2007.5	1670.0	1372.6	1130.5	928.5	727.7	549.5	399.0	277.3	189.5
37.5°	2425.3	2052.6	1715.1	1420.3	1166.8	949.8	749.0	568.4	411.5	284.8	194.5
35°	2434.1	2069.0	1737.7	1452.9	1197.0	969.9	765.4	582.2	421.6	292.3	199.5
32.5°	2417.8	2063.9	1744.0	1464.2	1215.8	984.9	776.6	592.2	429.1	299.9	204.5
30°	2381.4	2037.6	1721.4	1463.0	1229.6	993.7	784.2	599.7	436.6	304.9	207.0
27.5°	2322.4	1991.2	1692.6	1464.2	1237.1	997.5	787.9	603.5	441.6	308.6	212.0
25°	2249.6	1928.4	1693.8	1461.7	1238.4	998.7	787.9	603.5	442.9	309.9	215.8
22.5°	2165.6	1928.4	1693.8	1457.9	1230.8	996.2	784.2	601.0	442.9	312.4	219.6
20°	2170.6	1929.7	1690.0	1450.4	1219.5	988.7	775.4	594.7	439.1	316.2	222.1
17.5°	2174.4	1927.2	1682.5	1440.4	1204.5	976.1	764.1	585.9	439.1	319.9	223.3
15°	2174.4	1919.7	1671.2	1425.3	1185.7	958.6	747.8	578.4	440.4	321.2	225.8
12.5°	2170.6	1905.9	1653.7	1405.2	1163.1	937.2	737.7	575.9	440.4	322.5	225.8
10°	2163.1	1887.0	1631.1	1380.1	1141.8	929.7	732.7	570.9	437.9	322.5	225.8
7.5°	2149.3	1864.4	1612.3	1365.1	1129.2	920.9	725.2	563.3	434.1	319.9	228.4
5°	2127.9	1851.9	1597.2	1347.5	1111.6	914.7	720.2	557.1	431.6	319.9	225.8
2.5°	2100.3	1836.8	1579.6	1324.9	1091.6	893.3	703.9	543.3	422.8	314.9	223.3
0°	2055.2	1806.7	1549.5	1293.6	1064.0	872.0	687.6	529.5	414.0	309.9	220.8
-2.5°	2013.8	1766.6	1510.6	1260.9	1037.6	853.2	675.0	521.9	410.3	308.6	219.6
-5°	1956.0	1711.4	1459.2	1218.3	1002.5	834.4	662.5	513.2	406.5	306.1	219.6
-7.5°	1892.0	1653.7	1405.2	1174.4	967.4	801.7	638.6	499.4	397.7	301.1	218.3
-10°	1792.9	1567.1	1337.5	1124.2	929.7	772.9	618.6	486.8	390.2	296.1	213.3
-12.5°	1687.5	1471.7	1259.7	1062.7	887.1	742.8	596.0	473.0	381.4	291.1	210.8
-15°	1575.9	1373.9	1178.1	998.7	840.6	706.4	572.1	458.0	372.6	284.8	207.0
-17.5°	1459.2	1271.0	1094.1	933.5	794.2	668.7	547.0	444.2	362.6	278.5	203.3
-20°	1336.2	1165.6	1008.8	867.0	745.3	631.1	520.7	427.8	351.3	271.0	198.2



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CATALOG NUMBER: IFLD-S-SA2E-930-U-76

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
-22.5°	1214.5	1061.5	920.9	801.7	695.1	592.2	494.3	411.5	338.8	262.2	194.5
-25°	1106.6	963.6	843.1	739.0	646.2	554.6	466.7	395.2	325.0	253.4	189.5
-27.5°	1001.2	879.5	766.6	680.0	598.5	518.2	440.4	377.7	311.2	243.4	184.4
-30°	903.4	799.2	706.4	622.3	553.3	485.6	417.8	360.1	296.1	233.4	178.2
-32.5°	814.3	730.2	652.4	572.1	510.7	452.9	396.5	342.5	281.0	223.3	171.9
-35°	731.5	666.2	598.5	530.7	468.0	422.8	373.9	323.7	267.2	212.0	165.6
-37.5°	657.4	604.8	550.8	493.1	439.1	394.0	352.6	304.9	253.4	202.0	159.3
-40°	593.5	550.8	503.1	456.7	411.5	368.9	331.2	286.1	239.6	194.5	153.1
-42.5°	534.5	501.9	463.0	424.1	383.9	346.3	309.9	266.0	225.8	185.7	146.8
-45°	489.3	456.7	425.3	390.2	356.3	323.7	287.3	248.4	213.3	175.7	140.5
-47.5°	446.7	417.8	388.9	360.1	332.5	302.4	266.0	233.4	199.5	166.9	135.5
-50°	409.0	381.4	356.3	331.2	307.4	278.5	244.7	218.3	188.2	158.1	129.2
-52.5°	373.9	350.1	325.0	304.9	284.8	256.0	228.4	203.3	176.9	148.1	123.0
-55°	342.5	319.9	297.4	278.5	259.7	234.6	212.0	190.7	165.6	140.5	116.7
-57.5°	312.4	293.6	272.3	254.7	235.9	215.8	197.0	176.9	154.3	133.0	110.4
-60°	284.8	267.2	248.4	230.9	214.5	198.2	180.7	164.4	144.3	124.2	104.1
-62.5°	257.2	242.2	225.8	208.3	195.7	180.7	166.9	150.6	134.3	116.7	92.8
-65°	232.1	218.3	203.3	188.2	176.9	165.6	153.1	138.0	124.2	107.9	82.8
-67.5°	207.0	194.5	181.9	169.4	159.3	150.6	138.0	126.7	115.4	97.9	72.8
-70°	183.2	173.1	161.9	151.8	144.3	134.3	125.5	115.4	105.4	85.3	61.5
-72.5°	160.6	150.6	141.8	134.3	128.0	119.2	111.7	104.1	90.3	71.5	51.4
-75°	134.3	128.0	123.0	116.7	110.4	104.1	97.9	89.1	75.3	57.7	40.1
-77.5°	110.4	106.6	102.9	97.9	92.8	87.8	80.3	71.5	60.2	45.2	32.6
-80°	90.3	86.6	84.1	79.0	75.3	70.3	62.7	55.2	43.9	35.1	26.3
-82.5°	69.0	66.5	64.0	61.5	57.7	52.7	45.2	38.9	32.6	26.3	20.1
-85°	48.9	47.7	45.2	42.7	38.9	35.1	30.1	26.3	22.6	17.6	13.8
-87.5°	25.1	23.8	22.6	21.3	20.1	17.6	15.1	12.5	11.3	8.8	6.3
-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°	5.0	3.8	1.3	0.0
85°	10.0	6.3	2.5	0.0
82.5°	15.1	10.0	3.8	0.0
80°	20.1	12.5	6.3	0.0
77.5°	25.1	15.1	7.5	0.0
75°	30.1	18.8	8.8	0.0
72.5°	33.9	21.3	10.0	0.0
70°	40.1	25.1	11.3	0.0
67.5°	50.2	27.6	12.5	0.0
65°	59.0	30.1	13.8	0.0
62.5°	69.0	32.6	15.1	0.0
60°	77.8	35.1	16.3	0.0
57.5°	86.6	41.4	17.6	0.0
55°	94.1	46.4	18.8	0.0
52.5°	102.9	51.4	20.1	0.0
50°	110.4	56.5	21.3	0.0
47.5°	116.7	61.5	21.3	0.0
45°	121.7	65.2	22.6	0.0
42.5°	125.5	69.0	23.8	0.0
40°	129.2	72.8	25.1	0.0
37.5°	133.0	76.5	25.1	0.0
35°	136.8	80.3	26.3	0.0
32.5°	140.5	84.1	26.3	0.0
30°	143.0	86.6	27.6	0.0
27.5°	146.8	89.1	27.6	0.0
25°	148.1	91.6	28.9	0.0
22.5°	150.6	92.8	28.9	0.0
20°	153.1	95.4	28.9	0.0
17.5°	154.3	96.6	30.1	0.0
15°	154.3	97.9	31.4	0.0
12.5°	155.6	99.1	31.4	0.0
10°	155.6	101.6	30.1	0.0
7.5°	158.1	100.4	30.1	0.0
5°	156.8	100.4	30.1	0.0
2.5°	155.6	99.1	30.1	0.0
0°	154.3	99.1	30.1	0.0
-2.5°	154.3	99.1	30.1	0.0
-5°	154.3	99.1	30.1	0.0
-7.5°	153.1	100.4	30.1	0.0
-10°	150.6	100.4	30.1	0.0
-12.5°	149.3	96.6	30.1	0.0
-15°	148.1	95.4	30.1	0.0
-17.5°	145.5	94.1	28.9	0.0
-20°	143.0	92.8	28.9	0.0



REPORT NUMBER: P722253
 CATALOG NUMBER: IFLD-S-SA2E-930-U-76

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	140.5	90.3	28.9	0.0
-25°	138.0	87.8	27.6	0.0
-27.5°	135.5	85.3	27.6	0.0
-30°	131.7	82.8	26.3	0.0
-32.5°	128.0	80.3	26.3	0.0
-35°	125.5	76.5	25.1	0.0
-37.5°	121.7	72.8	25.1	0.0
-40°	117.9	69.0	23.8	0.0
-42.5°	114.2	65.2	22.6	0.0
-45°	109.2	61.5	22.6	0.0
-47.5°	105.4	57.7	21.3	0.0
-50°	99.1	52.7	20.1	0.0
-52.5°	91.6	47.7	18.8	0.0
-55°	84.1	43.9	17.6	0.0
-57.5°	76.5	38.9	17.6	0.0
-60°	69.0	33.9	16.3	0.0
-62.5°	61.5	31.4	15.1	0.0
-65°	54.0	28.9	13.8	0.0
-67.5°	45.2	25.1	12.5	0.0
-70°	37.6	22.6	11.3	0.0
-72.5°	32.6	20.1	10.0	0.0
-75°	27.6	17.6	8.8	0.0
-77.5°	23.8	15.1	7.5	0.0
-80°	18.8	11.3	5.0	0.0
-82.5°	13.8	8.8	3.8	0.0
-85°	8.8	6.3	2.5	0.0
-87.5°	5.0	2.5	1.3	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)