

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: P722196

Luminaire Tested: **IFLD-S-SA3A-830-U-76**

Issue Date: 10/26/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P722196  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 10/26/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3A-830-U-76  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7x6 Flood distribution lens  
Light Source: (48) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

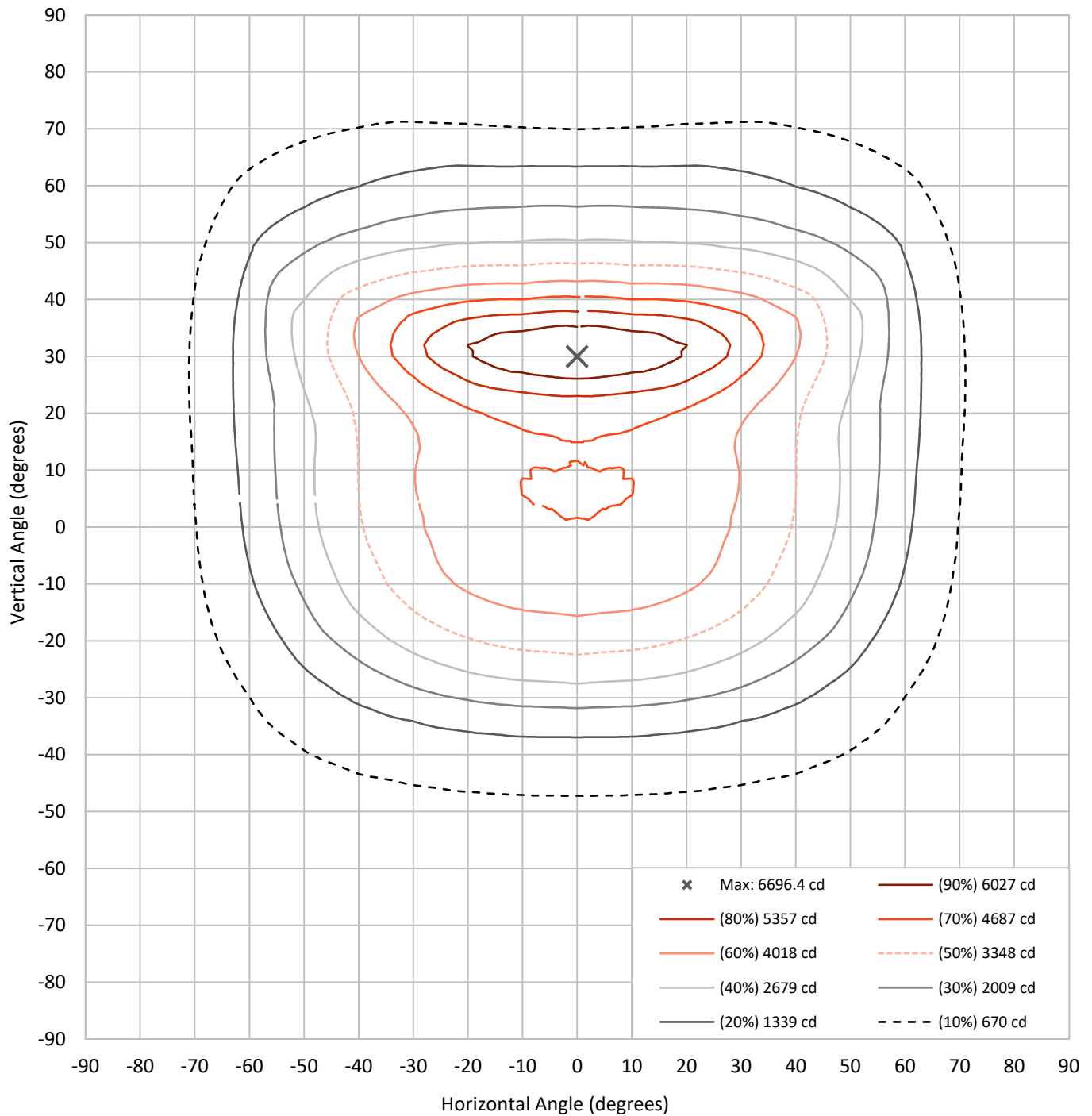
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	11178 lumens	Max Intensity:	6696.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	117.9 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	90.8°H x 68.8°V	Field Angle (10%):	142°H x 117.1°V
Beam Lumens:	6500.1 lumens	Field Lumens:	10475.2 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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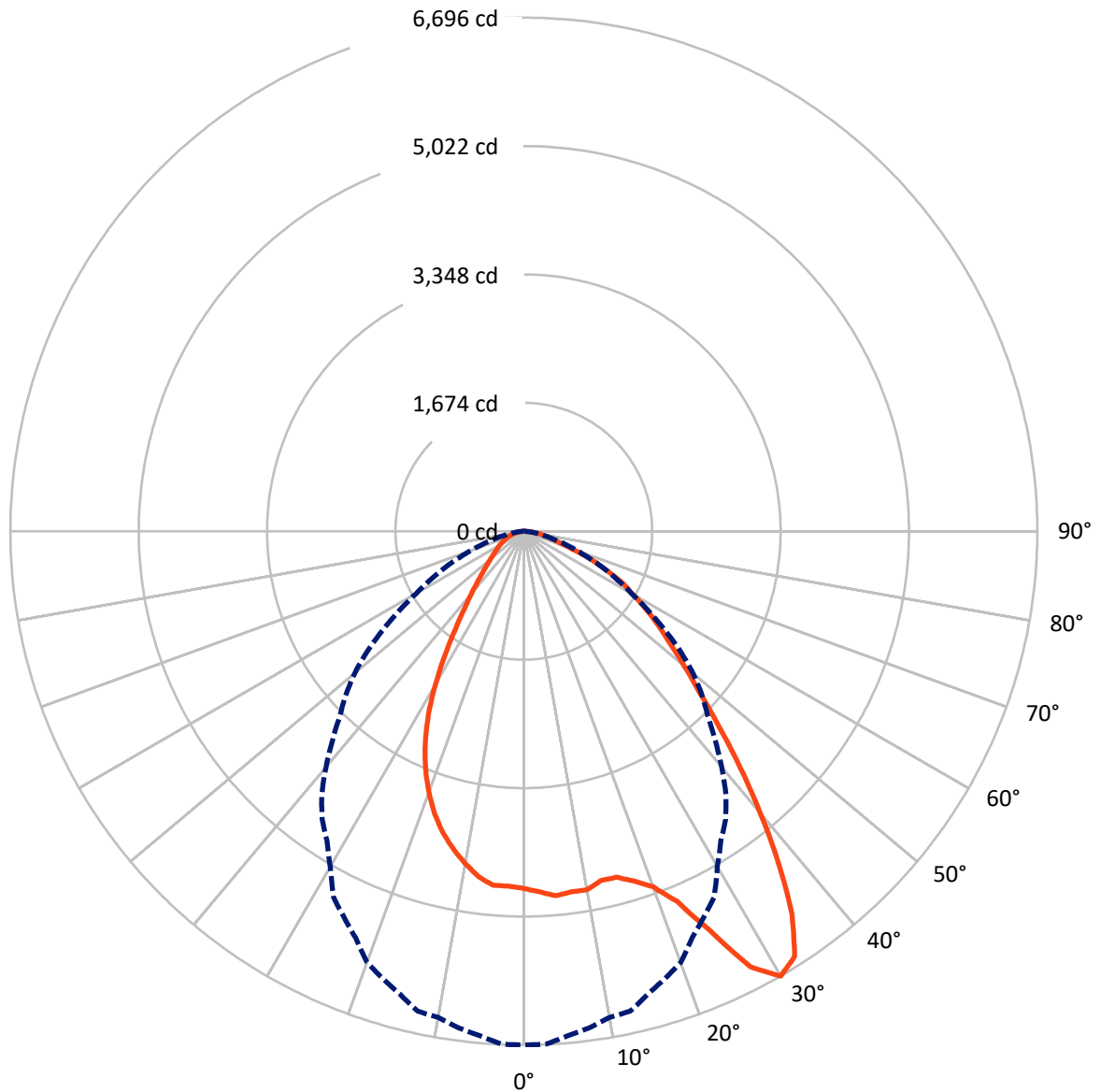
### Iso-Candela Plot





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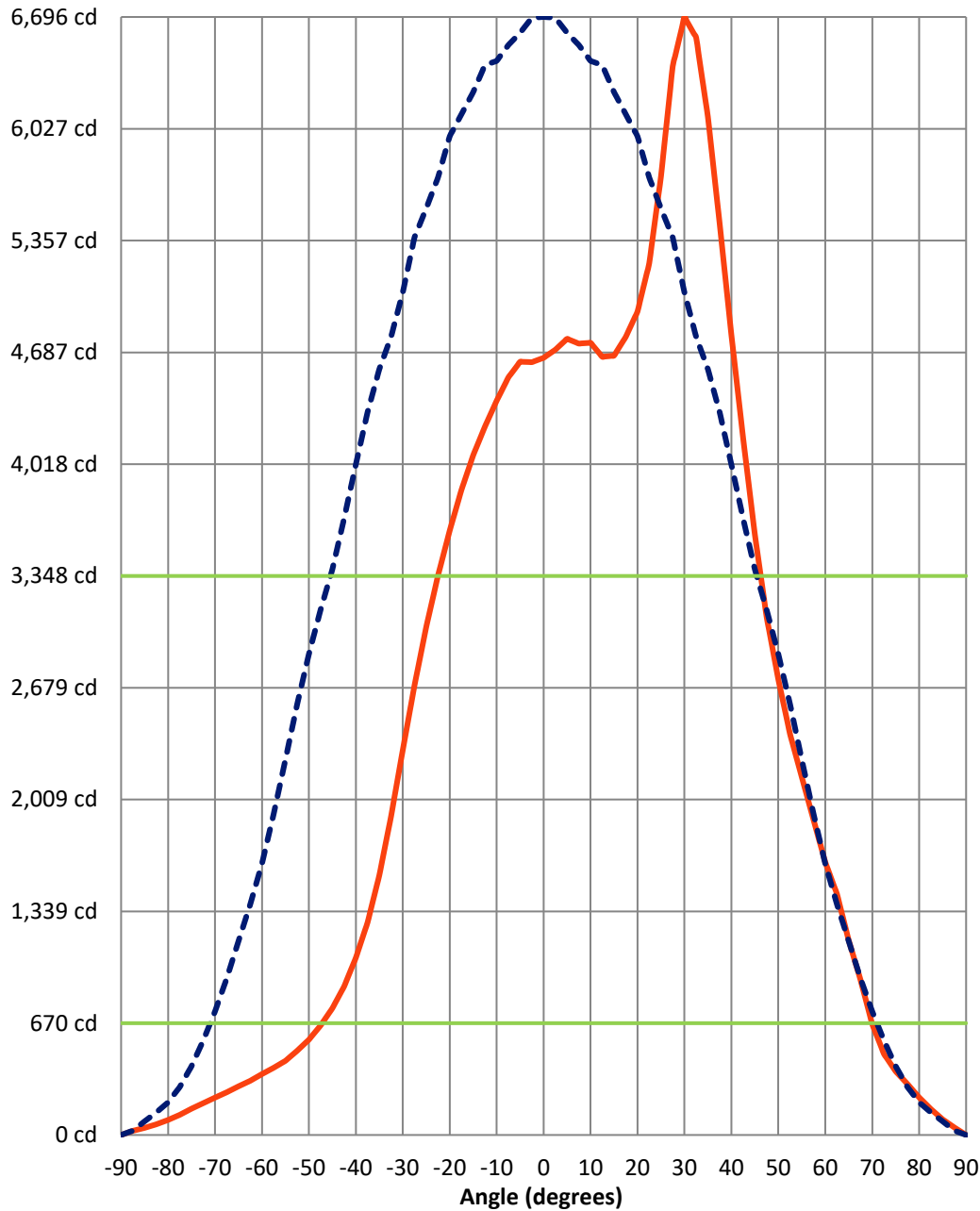
### Luminous Intensity Polar Plot



— 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: 6500.1  
 Efficiency: 58.2%

**Field:**  
 H Angle: 142°  
 V Angle: 117.1°  
 Lumens: 10475.2  
 Efficiency: 93.7%

**Spill:**  
 Lumens: 702.8  
 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°	45.0	46.2	47.4	47.4	46.2	46.2	46.2	45.0	46.2	46.2	46.2
85°	93.5	95.9	98.3	97.1	95.9	93.5	91.2	92.4	93.5	94.7	94.7
82.5°	155.1	158.7	161.0	159.9	157.5	155.1	152.8	153.9	156.3	157.5	157.5
80°	225.0	226.2	227.4	229.7	226.2	226.2	225.0	229.7	232.1	234.5	236.8
77.5°	305.5	306.7	306.7	307.9	309.1	310.2	310.2	318.5	324.5	328.0	331.6
75°	381.3	384.9	388.4	392.0	396.7	399.1	402.6	414.5	423.9	431.0	438.1
72.5°	485.5	490.2	496.2	504.4	512.7	518.7	526.9	541.2	551.8	558.9	567.2
70°	664.3	669.0	675.0	680.9	689.2	695.1	703.4	721.1	731.8	736.5	741.3
67.5°	929.6	941.4	952.1	940.2	934.3	926.0	928.4	945.0	955.6	962.7	961.5
65°	1165.2	1173.5	1173.5	1172.3	1167.6	1156.9	1162.8	1183.0	1194.8	1200.7	1183.0
62.5°	1442.3	1442.3	1436.4	1445.9	1447.0	1439.9	1436.4	1437.6	1438.7	1442.3	1412.7
60°	1634.1	1646.0	1649.5	1657.8	1660.2	1660.2	1666.1	1670.8	1670.8	1663.7	1629.4
57.5°	1887.5	1910.0	1914.8	1908.9	1897.0	1881.6	1879.3	1872.1	1857.9	1843.7	1827.1
55°	2143.3	2155.2	2154.0	2150.4	2138.6	2120.8	2123.2	2113.7	2091.2	2073.5	2051.0
52.5°	2400.3	2428.7	2433.4	2426.3	2409.8	2390.8	2392.0	2381.3	2358.8	2339.9	2309.1
50°	2728.3	2752.0	2749.6	2737.8	2714.1	2699.9	2701.1	2680.9	2654.9	2649.0	2608.7
47.5°	3103.7	3130.9	3126.2	3109.6	3077.6	3071.7	3077.6	3051.6	3036.2	3023.1	2975.8
45°	3596.3	3628.2	3610.5	3578.5	3527.6	3533.5	3541.8	3537.1	3503.9	3469.6	3409.2
42.5°	4174.1	4194.3	4173.0	4141.0	4077.0	4088.9	4084.1	4055.7	4035.6	3978.8	3901.8
40°	4792.3	4836.1	4802.9	4753.2	4686.9	4704.6	4691.6	4654.9	4607.5	4536.5	4439.4
37.5°	5459.0	5493.3	5455.4	5397.4	5338.2	5332.2	5306.2	5249.4	5181.9	5103.7	4948.6
35°	6097.2	6186.0	6116.2	6023.8	5951.6	5924.3	5899.5	5768.0	5691.0	5564.3	5352.4
32.5°	6572.1	6637.2	6550.7	6454.8	6367.2	6329.3	6241.7	6085.4	6043.9	5777.5	5583.3
30°	6696.4	6691.7	6601.7	6528.2	6433.5	6407.5	6246.4	6113.8	5981.2	5734.9	5550.1
27.5°	6400.4	6370.7	6284.3	6220.4	6126.8	6096.0	5937.3	5866.3	5661.4	5453.0	5296.7
25°	5740.8	5756.2	5691.0	5659.1	5597.5	5531.2	5468.4	5372.5	5244.6	5062.3	4919.0
22.5°	5220.9	5241.1	5213.8	5175.9	5128.6	5091.9	5044.5	4969.9	4846.7	4734.2	4599.3
20°	4932.0	4926.1	4902.4	4874.0	4829.0	4802.9	4750.8	4688.1	4593.3	4496.2	4350.6
17.5°	4780.4	4743.7	4721.2	4710.6	4686.9	4653.7	4592.1	4528.2	4454.8	4344.7	4238.1
15°	4667.9	4673.9	4656.1	4647.8	4628.9	4582.7	4519.9	4467.8	4368.3	4312.7	4215.6
12.5°	4660.8	4654.9	4656.1	4652.5	4628.9	4569.7	4537.7	4471.4	4407.4	4334.0	4222.7
10°	4744.9	4682.1	4686.9	4703.5	4665.6	4618.2	4583.9	4511.6	4451.2	4357.7	4247.6
7.5°	4740.2	4708.2	4717.7	4690.4	4702.3	4644.3	4596.9	4524.7	4448.9	4349.4	4249.9
5°	4768.6	4720.0	4711.7	4714.1	4684.5	4640.7	4576.8	4508.1	4437.0	4325.7	4223.9
2.5°	4703.5	4710.6	4672.7	4658.5	4654.9	4581.5	4522.3	4456.0	4382.6	4284.3	4193.1
0°	4654.9	4667.9	4628.9	4608.7	4607.5	4544.8	4506.9	4431.1	4379.0	4297.3	4187.2
-2.5°	4628.9	4644.3	4649.0	4612.3	4576.8	4528.2	4464.3	4382.6	4297.3	4202.6	4107.8
-5°	4631.2	4600.4	4587.4	4599.3	4568.5	4519.9	4448.9	4376.6	4292.6	4190.7	4072.3
-7.5°	4537.7	4506.9	4504.5	4498.6	4491.5	4445.3	4386.1	4308.0	4222.7	4128.0	4017.8
-10°	4397.9	4375.4	4369.5	4363.6	4344.7	4317.4	4261.8	4190.7	4113.8	4019.0	3901.8
-12.5°	4242.8	4232.2	4209.7	4194.3	4175.3	4143.4	4090.1	4024.9	3948.0	3863.9	3763.2
-15°	4071.1	4051.0	4028.5	4015.5	3988.2	3950.3	3897.1	3836.7	3752.6	3669.7	3575.0
-17.5°	3863.9	3839.0	3814.2	3810.6	3791.7	3733.6	3683.9	3610.5	3537.1	3457.7	3365.4
-20°	3620.0	3585.6	3569.0	3559.6	3533.5	3490.9	3437.6	3370.1	3299.1	3223.3	3116.7



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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°	3350.0	3320.4	3291.9	3274.2	3251.7	3218.5	3167.6	3108.4	3038.5	2953.3	2855.0
-25°	3043.3	3001.8	2984.1	2963.9	2952.1	2921.3	2871.6	2817.1	2744.9	2662.0	2568.4
-27.5°	2692.8	2659.6	2650.1	2621.7	2607.5	2575.5	2534.1	2483.2	2416.9	2338.7	2261.7
-30°	2305.5	2285.4	2270.0	2241.6	2230.9	2196.6	2169.4	2126.7	2066.3	2010.7	1949.1
-32.5°	1907.7	1887.5	1882.8	1869.8	1862.7	1840.2	1809.4	1778.6	1730.0	1688.6	1638.9
-35°	1554.8	1540.6	1541.8	1540.6	1533.5	1516.9	1479.0	1470.7	1435.2	1397.3	1365.3
-37.5°	1273.0	1274.1	1273.0	1271.8	1262.3	1255.2	1228.0	1217.3	1196.0	1159.3	1140.3
-40°	1061.0	1063.4	1062.2	1059.8	1049.2	1045.6	1027.8	1013.6	1005.3	979.3	959.2
-42.5°	889.3	892.9	891.7	890.5	883.4	882.2	872.7	856.1	851.4	836.0	814.7
-45°	759.0	757.9	755.5	757.9	754.3	750.8	744.8	734.2	728.3	721.1	703.4
-47.5°	656.0	657.2	654.8	654.8	650.1	646.5	644.2	637.1	632.3	626.4	615.8
-50°	570.8	575.5	574.3	573.1	569.6	567.2	567.2	560.1	553.0	550.6	543.5
-52.5°	504.4	508.0	509.2	511.6	512.7	513.9	510.4	503.3	491.4	490.2	486.7
-55°	444.1	454.7	461.8	466.6	471.3	474.8	467.7	458.3	446.4	441.7	440.5
-57.5°	402.6	413.3	421.6	428.7	434.6	440.5	433.4	423.9	413.3	407.3	406.2
-60°	364.7	374.2	382.5	392.0	400.2	409.7	406.2	399.1	393.1	388.4	383.7
-62.5°	324.5	333.9	343.4	355.2	365.9	375.4	376.6	375.4	374.2	375.4	367.1
-65°	291.3	296.0	302.0	315.0	326.8	337.5	343.4	347.0	352.9	358.8	350.5
-67.5°	255.8	261.7	268.8	278.3	287.7	294.9	303.1	312.6	322.1	331.6	325.6
-70°	223.8	228.5	234.5	239.2	245.1	249.9	257.0	267.6	278.3	287.7	285.4
-72.5°	190.6	195.4	198.9	201.3	204.9	207.2	210.8	220.3	227.4	232.1	232.1
-75°	157.5	162.2	165.8	167.0	169.3	170.5	172.9	176.4	180.0	181.2	182.4
-77.5°	120.8	125.5	129.1	131.4	133.8	136.2	137.4	139.7	140.9	140.9	142.1
-80°	90.0	93.5	95.9	99.5	100.7	103.0	105.4	106.6	107.8	107.8	108.9
-82.5°	63.9	66.3	68.7	71.0	73.4	74.6	77.0	78.2	79.3	80.5	81.7
-85°	42.6	45.0	47.4	49.7	50.9	52.1	53.3	54.5	55.7	56.8	58.0
-87.5°	24.9	26.1	27.2	29.6	30.8	33.2	34.3	33.2	34.3	34.3	34.3
-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):**

	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°	46.2	46.2	46.2	46.2	45.0	42.6	41.4	39.1	36.7	34.3	32.0
85°	95.9	97.1	97.1	97.1	94.7	93.5	90.0	86.4	81.7	74.6	68.7
82.5°	159.9	161.0	161.0	159.9	157.5	153.9	149.2	143.3	133.8	124.3	116.0
80°	240.4	241.6	241.6	240.4	234.5	228.5	222.6	215.5	203.7	190.6	176.4
77.5°	336.3	338.7	338.7	335.1	326.8	319.7	310.2	298.4	280.6	261.7	242.8
75°	447.6	453.5	454.7	451.2	440.5	427.5	412.1	392.0	364.7	341.0	318.5
72.5°	576.7	582.6	587.3	582.6	567.2	549.4	526.9	503.3	476.0	444.1	406.2
70°	746.0	751.9	755.5	740.1	712.9	683.3	656.0	628.8	596.8	557.7	516.3
67.5°	959.2	953.2	946.1	915.4	881.0	845.5	807.6	767.3	725.9	684.4	635.9
65°	1164.0	1147.4	1132.1	1095.3	1051.5	1005.3	961.5	916.5	866.8	814.7	768.5
62.5°	1379.5	1344.0	1306.1	1261.1	1216.1	1165.2	1121.4	1068.1	1012.5	948.5	889.3
60°	1591.5	1548.9	1511.0	1455.3	1396.1	1327.4	1280.1	1228.0	1162.8	1094.2	1024.3
57.5°	1796.4	1750.2	1708.7	1660.2	1596.2	1521.6	1469.5	1402.0	1333.4	1246.9	1175.9
55°	2014.2	1968.1	1934.9	1880.4	1810.6	1741.9	1685.1	1614.0	1518.1	1425.7	1338.1
52.5°	2264.1	2227.4	2191.9	2136.2	2052.1	1982.3	1919.5	1840.2	1739.5	1625.8	1520.5
50°	2543.6	2524.6	2486.7	2421.6	2325.7	2264.1	2181.2	2075.8	1968.1	1848.5	1717.0
47.5°	2914.2	2883.4	2830.1	2759.1	2678.6	2586.2	2474.9	2351.7	2199.0	2066.3	1926.6
45°	3357.1	3300.2	3231.6	3135.6	3036.2	2932.0	2810.0	2653.7	2448.8	2275.9	2129.1
42.5°	3836.7	3759.7	3666.1	3540.6	3411.5	3283.7	3152.2	2939.1	2683.3	2484.4	2318.6
40°	4337.6	4239.3	4122.0	3939.7	3796.4	3631.8	3481.4	3162.9	2890.5	2675.0	2498.6
37.5°	4827.8	4703.5	4506.9	4285.5	4118.5	3983.5	3653.1	3312.1	3068.1	2831.3	2652.5
35°	5203.2	5097.8	4750.8	4521.1	4377.8	4164.7	3751.4	3402.1	3143.9	2947.4	2669.1
32.5°	5425.8	5153.4	4849.1	4617.0	4498.6	4149.3	3758.5	3428.1	3179.5	2959.2	2626.5
30°	5376.1	5046.9	4780.4	4586.2	4329.3	4015.5	3692.2	3387.9	3146.3	2879.9	2579.1
27.5°	5076.5	4821.9	4583.9	4381.4	4129.1	3847.3	3548.9	3281.3	3056.3	2798.2	2514.0
25°	4737.8	4506.9	4330.5	4154.0	3914.8	3646.0	3383.1	3190.1	2963.9	2709.3	2428.7
22.5°	4426.4	4260.6	4122.0	3937.3	3704.0	3469.6	3306.2	3106.0	2873.9	2615.8	2341.1
20°	4227.4	4114.9	3956.3	3752.6	3569.0	3422.2	3241.0	3029.1	2789.9	2519.9	2266.5
17.5°	4131.5	4001.3	3824.8	3692.2	3551.3	3390.2	3187.7	2962.8	2708.2	2476.1	2274.8
15°	4081.8	3944.4	3828.4	3698.1	3539.4	3370.1	3145.1	2911.8	2708.2	2493.8	2280.7
12.5°	4092.4	3974.0	3847.3	3705.2	3534.7	3353.5	3149.8	2933.1	2722.4	2506.9	2281.9
10°	4125.6	4001.3	3866.3	3708.8	3537.1	3358.3	3162.9	2946.2	2729.5	2512.8	2279.5
7.5°	4137.4	4002.4	3858.0	3699.3	3531.1	3355.9	3165.2	2949.7	2730.7	2511.6	2272.4
5°	4100.7	3978.8	3839.0	3679.2	3514.6	3344.1	3155.8	2945.0	2721.2	2499.7	2254.6
2.5°	4051.0	3952.7	3818.9	3665.0	3498.0	3327.5	3140.4	2923.7	2699.9	2478.4	2232.1
0°	4042.7	3920.7	3785.7	3648.4	3470.8	3290.8	3104.9	2883.4	2660.8	2438.2	2193.1
-2.5°	3988.2	3859.2	3724.2	3575.0	3418.7	3237.5	3042.1	2825.4	2605.1	2386.1	2150.4
-5°	3946.8	3803.5	3660.2	3499.2	3341.7	3160.5	2958.0	2747.2	2531.7	2318.6	2091.2
-7.5°	3891.1	3744.3	3593.9	3425.8	3255.2	3070.5	2870.4	2659.6	2447.6	2235.7	2017.8
-10°	3778.6	3649.6	3508.6	3334.6	3154.6	2969.9	2770.9	2563.7	2351.7	2137.4	1918.3
-12.5°	3642.5	3506.3	3352.3	3192.5	3031.4	2859.7	2660.8	2457.1	2244.0	2028.5	1810.6
-15°	3466.0	3332.2	3174.7	3018.4	2863.3	2698.7	2523.4	2339.9	2123.2	1911.2	1693.3
-17.5°	3245.8	3120.2	2979.3	2830.1	2676.2	2510.4	2339.9	2184.8	1982.3	1783.3	1567.8
-20°	3008.9	2891.7	2765.0	2624.1	2470.1	2307.9	2146.9	1984.6	1809.4	1634.1	1434.0



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**CANDELA DISTRIBUTION (continued):**

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
-22.5°	2762.6	2644.2	2516.3	2384.9	2242.8	2092.4	1943.2	1788.1	1634.1	1475.5	1306.1
-25°	2478.4	2374.2	2257.0	2129.1	2002.4	1871.0	1728.9	1588.0	1456.5	1319.1	1180.6
-27.5°	2181.2	2085.3	1978.7	1867.4	1758.5	1648.3	1525.2	1394.9	1286.0	1172.3	1057.4
-30°	1868.6	1791.6	1705.2	1608.1	1524.0	1435.2	1332.2	1224.4	1124.9	1038.5	946.1
-32.5°	1572.6	1507.4	1445.9	1381.9	1299.0	1230.3	1159.3	1079.9	992.3	910.6	844.3
-35°	1318.0	1248.1	1222.0	1174.7	1115.5	1055.1	1003.0	946.1	879.8	807.6	753.1
-37.5°	1103.6	1062.2	1025.5	999.4	960.3	911.8	870.4	828.9	778.0	723.5	669.0
-40°	936.7	908.2	868.0	855.0	830.1	796.9	754.3	722.3	688.0	646.5	600.4
-42.5°	802.9	781.5	755.5	733.0	722.3	698.7	665.5	634.7	607.5	579.1	543.5
-45°	692.7	678.5	661.9	641.8	633.5	614.6	590.9	556.6	541.2	517.5	491.4
-47.5°	603.9	596.8	585.0	571.9	560.1	545.9	524.6	503.3	482.0	466.6	446.4
-50°	534.1	529.3	522.2	511.6	496.2	486.7	472.5	453.5	433.4	420.4	406.2
-52.5°	478.4	473.7	468.9	460.6	448.8	439.3	427.5	412.1	395.5	382.5	370.6
-55°	435.8	428.7	425.1	418.0	408.5	397.9	387.2	376.6	362.4	350.5	338.7
-57.5°	402.6	393.1	388.4	382.5	373.0	362.4	354.1	343.4	333.9	320.9	310.2
-60°	376.6	365.9	356.4	350.5	342.2	331.6	323.3	315.0	305.5	294.9	281.8
-62.5°	355.2	342.2	329.2	322.1	313.8	304.3	296.0	287.7	278.3	267.6	255.8
-65°	335.1	319.7	303.1	296.0	287.7	278.3	267.6	261.7	253.4	243.9	232.1
-67.5°	310.2	293.7	279.5	271.2	262.9	254.6	245.1	239.2	230.9	219.1	207.2
-70°	273.5	262.9	253.4	246.3	239.2	232.1	222.6	213.1	203.7	193.0	182.4
-72.5°	227.4	223.8	222.6	219.1	210.8	202.5	193.0	183.5	175.3	167.0	158.7
-75°	183.5	185.9	188.3	187.1	178.8	170.5	162.2	153.9	148.0	140.9	133.8
-77.5°	145.7	148.0	150.4	150.4	144.5	139.7	133.8	127.9	123.2	117.2	110.1
-80°	112.5	116.0	119.6	122.0	117.2	113.7	108.9	104.2	99.5	94.7	90.0
-82.5°	85.3	88.8	92.4	94.7	91.2	88.8	85.3	81.7	78.2	73.4	69.9
-85°	61.6	63.9	66.3	67.5	65.1	62.8	60.4	58.0	55.7	52.1	49.7
-87.5°	35.5	36.7	37.9	39.1	36.7	34.3	33.2	30.8	29.6	27.2	26.1
-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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 CATALOG NUMBER: IFLD-S-SA3A-830-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°	29.6	27.2	24.9	23.7	21.3	17.8	15.4	13.0	10.7	8.3	7.1
85°	62.8	56.8	49.7	46.2	41.4	36.7	32.0	27.2	22.5	17.8	13.0
82.5°	107.8	100.7	93.5	85.3	74.6	61.6	48.6	40.3	33.2	26.1	20.1
80°	162.2	149.2	137.4	126.7	114.9	98.3	80.5	63.9	45.0	34.3	26.1
77.5°	225.0	209.6	193.0	175.3	156.3	133.8	113.7	92.4	69.9	47.4	33.2
75°	296.0	275.9	253.4	228.5	203.7	174.1	145.7	120.8	94.7	66.3	40.3
72.5°	375.4	350.5	323.3	290.1	251.0	216.7	182.4	149.2	118.4	84.1	54.5
70°	477.2	438.1	397.9	362.4	312.6	258.1	217.9	180.0	140.9	103.0	68.7
67.5°	586.2	538.8	490.2	438.1	375.4	311.4	253.4	210.8	164.6	120.8	81.7
65°	704.6	645.4	583.8	525.8	439.3	363.5	298.4	240.4	187.1	137.4	94.7
62.5°	826.5	756.7	685.6	609.8	510.4	416.8	341.0	273.5	208.4	152.8	106.6
60°	956.8	875.1	788.6	693.9	577.9	474.8	381.3	307.9	230.9	168.1	119.6
57.5°	1094.2	1005.3	903.5	775.6	647.7	530.5	427.5	338.7	251.0	182.4	129.1
55°	1243.4	1141.5	1030.2	860.9	716.4	586.2	473.7	369.5	272.4	194.2	138.5
52.5°	1404.4	1286.0	1145.1	950.9	788.6	643.0	516.3	396.7	292.5	207.2	146.8
50°	1584.4	1435.2	1245.7	1033.8	851.4	696.3	558.9	426.3	309.1	221.4	153.9
47.5°	1771.5	1610.4	1335.7	1110.7	915.4	748.4	602.7	452.3	325.6	233.3	161.0
45°	1966.9	1732.4	1429.3	1179.4	971.0	795.8	635.9	476.0	345.8	243.9	167.0
42.5°	2159.9	1824.8	1511.0	1248.1	1023.1	838.4	663.1	498.5	362.4	254.6	172.9
40°	2251.1	1894.6	1576.1	1295.5	1066.9	876.3	686.8	518.7	376.6	261.7	178.8
37.5°	2289.0	1937.3	1618.7	1340.5	1101.3	896.4	706.9	536.4	388.4	268.8	183.5
35°	2297.3	1952.7	1640.1	1371.3	1129.7	915.4	722.3	549.4	397.9	275.9	188.3
32.5°	2281.9	1947.9	1646.0	1381.9	1147.4	929.6	733.0	558.9	405.0	283.0	193.0
30°	2247.5	1923.1	1624.7	1380.7	1160.5	937.9	740.1	566.0	412.1	287.7	195.4
27.5°	2191.9	1879.3	1597.4	1381.9	1167.6	941.4	743.6	569.6	416.8	291.3	200.1
25°	2123.2	1820.0	1598.6	1379.5	1168.8	942.6	743.6	569.6	418.0	292.5	203.7
22.5°	2043.8	1820.0	1598.6	1376.0	1161.7	940.2	740.1	567.2	418.0	294.9	207.2
20°	2048.6	1821.2	1595.1	1368.9	1151.0	933.1	731.8	561.3	414.5	298.4	209.6
17.5°	2052.1	1818.9	1588.0	1359.4	1136.8	921.3	721.1	553.0	414.5	302.0	210.8
15°	2052.1	1811.8	1577.3	1345.2	1119.0	904.7	705.8	545.9	415.6	303.1	213.1
12.5°	2048.6	1798.7	1560.7	1326.3	1097.7	884.6	696.3	543.5	415.6	304.3	213.1
10°	2041.5	1781.0	1539.4	1302.6	1077.6	877.5	691.5	538.8	413.3	304.3	213.1
7.5°	2028.5	1759.7	1521.6	1288.4	1065.7	869.2	684.4	531.7	409.7	302.0	215.5
5°	2008.3	1747.8	1507.4	1271.8	1049.2	863.2	679.7	525.8	407.3	302.0	213.1
2.5°	1982.3	1733.6	1490.9	1250.5	1030.2	843.1	664.3	512.7	399.1	297.2	210.8
0°	1939.6	1705.2	1462.4	1220.9	1004.2	823.0	648.9	499.7	390.8	292.5	208.4
-2.5°	1900.6	1667.3	1425.7	1190.1	979.3	805.2	637.1	492.6	387.2	291.3	207.2
-5°	1846.1	1615.2	1377.2	1149.8	946.1	787.5	625.2	484.3	383.7	288.9	207.2
-7.5°	1785.7	1560.7	1326.3	1108.4	913.0	756.7	602.7	471.3	375.4	284.2	206.0
-10°	1692.2	1479.0	1262.3	1061.0	877.5	729.4	583.8	459.5	368.3	279.5	201.3
-12.5°	1592.7	1389.0	1188.9	1003.0	837.2	701.0	562.5	446.4	360.0	274.7	198.9
-15°	1487.3	1296.6	1111.9	942.6	793.4	666.7	540.0	432.2	351.7	268.8	195.4
-17.5°	1377.2	1199.5	1032.6	881.0	749.6	631.2	516.3	419.2	342.2	262.9	191.8
-20°	1261.1	1100.1	952.1	818.3	703.4	595.6	491.4	403.8	331.6	255.8	187.1



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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°	1146.3	1001.8	869.2	756.7	656.0	558.9	466.6	388.4	319.7	247.5	183.5
-25°	1044.4	909.4	795.8	697.5	609.8	523.4	440.5	373.0	306.7	239.2	178.8
-27.5°	945.0	830.1	723.5	641.8	564.8	489.1	415.6	356.4	293.7	229.7	174.1
-30°	852.6	754.3	666.7	587.3	522.2	458.3	394.3	339.9	279.5	220.3	168.1
-32.5°	768.5	689.2	615.8	540.0	482.0	427.5	374.2	323.3	265.3	210.8	162.2
-35°	690.4	628.8	564.8	500.9	441.7	399.1	352.9	305.5	252.2	200.1	156.3
-37.5°	620.5	570.8	519.8	465.4	414.5	371.8	332.7	287.7	239.2	190.6	150.4
-40°	560.1	519.8	474.8	431.0	388.4	348.1	312.6	270.0	226.2	183.5	144.5
-42.5°	504.4	473.7	437.0	400.2	362.4	326.8	292.5	251.0	213.1	175.3	138.5
-45°	461.8	431.0	401.4	368.3	336.3	305.5	271.2	234.5	201.3	165.8	132.6
-47.5°	421.6	394.3	367.1	339.9	313.8	285.4	251.0	220.3	188.3	157.5	127.9
-50°	386.0	360.0	336.3	312.6	290.1	262.9	230.9	206.0	177.6	149.2	122.0
-52.5°	352.9	330.4	306.7	287.7	268.8	241.6	215.5	191.8	167.0	139.7	116.0
-55°	323.3	302.0	280.6	262.9	245.1	221.4	200.1	180.0	156.3	132.6	110.1
-57.5°	294.9	277.1	257.0	240.4	222.6	203.7	185.9	167.0	145.7	125.5	104.2
-60°	268.8	252.2	234.5	217.9	202.5	187.1	170.5	155.1	136.2	117.2	98.3
-62.5°	242.8	228.5	213.1	196.6	184.7	170.5	157.5	142.1	126.7	110.1	87.6
-65°	219.1	206.0	191.8	177.6	167.0	156.3	144.5	130.3	117.2	101.8	78.2
-67.5°	195.4	183.5	171.7	159.9	150.4	142.1	130.3	119.6	108.9	92.4	68.7
-70°	172.9	163.4	152.8	143.3	136.2	126.7	118.4	108.9	99.5	80.5	58.0
-72.5°	151.6	142.1	133.8	126.7	120.8	112.5	105.4	98.3	85.3	67.5	48.6
-75°	126.7	120.8	116.0	110.1	104.2	98.3	92.4	84.1	71.0	54.5	37.9
-77.5°	104.2	100.7	97.1	92.4	87.6	82.9	75.8	67.5	56.8	42.6	30.8
-80°	85.3	81.7	79.3	74.6	71.0	66.3	59.2	52.1	41.4	33.2	24.9
-82.5°	65.1	62.8	60.4	58.0	54.5	49.7	42.6	36.7	30.8	24.9	18.9
-85°	46.2	45.0	42.6	40.3	36.7	33.2	28.4	24.9	21.3	16.6	13.0
-87.5°	23.7	22.5	21.3	20.1	18.9	16.6	14.2	11.8	10.7	8.3	5.9
-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):**

	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0
87.5°	4.7	3.6	1.2	0.0
85°	9.5	5.9	2.4	0.0
82.5°	14.2	9.5	3.6	0.0
80°	18.9	11.8	5.9	0.0
77.5°	23.7	14.2	7.1	0.0
75°	28.4	17.8	8.3	0.0
72.5°	32.0	20.1	9.5	0.0
70°	37.9	23.7	10.7	0.0
67.5°	47.4	26.1	11.8	0.0
65°	55.7	28.4	13.0	0.0
62.5°	65.1	30.8	14.2	0.0
60°	73.4	33.2	15.4	0.0
57.5°	81.7	39.1	16.6	0.0
55°	88.8	43.8	17.8	0.0
52.5°	97.1	48.6	18.9	0.0
50°	104.2	53.3	20.1	0.0
47.5°	110.1	58.0	20.1	0.0
45°	114.9	61.6	21.3	0.0
42.5°	118.4	65.1	22.5	0.0
40°	122.0	68.7	23.7	0.0
37.5°	125.5	72.2	23.7	0.0
35°	129.1	75.8	24.9	0.0
32.5°	132.6	79.3	24.9	0.0
30°	135.0	81.7	26.1	0.0
27.5°	138.5	84.1	26.1	0.0
25°	139.7	86.4	27.2	0.0
22.5°	142.1	87.6	27.2	0.0
20°	144.5	90.0	27.2	0.0
17.5°	145.7	91.2	28.4	0.0
15°	145.7	92.4	29.6	0.0
12.5°	146.8	93.5	29.6	0.0
10°	146.8	95.9	28.4	0.0
7.5°	149.2	94.7	28.4	0.0
5°	148.0	94.7	28.4	0.0
2.5°	146.8	93.5	28.4	0.0
0°	145.7	93.5	28.4	0.0
-2.5°	145.7	93.5	28.4	0.0
-5°	145.7	93.5	28.4	0.0
-7.5°	144.5	94.7	28.4	0.0
-10°	142.1	94.7	28.4	0.0
-12.5°	140.9	91.2	28.4	0.0
-15°	139.7	90.0	28.4	0.0
-17.5°	137.4	88.8	27.2	0.0
-20°	135.0	87.6	27.2	0.0



REPORT NUMBER: P722196  
 CATALOG NUMBER: IFLD-S-SA3A-830-U-76

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°
-22.5°	132.6	85.3	27.2	0.0
-25°	130.3	82.9	26.1	0.0
-27.5°	127.9	80.5	26.1	0.0
-30°	124.3	78.2	24.9	0.0
-32.5°	120.8	75.8	24.9	0.0
-35°	118.4	72.2	23.7	0.0
-37.5°	114.9	68.7	23.7	0.0
-40°	111.3	65.1	22.5	0.0
-42.5°	107.8	61.6	21.3	0.0
-45°	103.0	58.0	21.3	0.0
-47.5°	99.5	54.5	20.1	0.0
-50°	93.5	49.7	18.9	0.0
-52.5°	86.4	45.0	17.8	0.0
-55°	79.3	41.4	16.6	0.0
-57.5°	72.2	36.7	16.6	0.0
-60°	65.1	32.0	15.4	0.0
-62.5°	58.0	29.6	14.2	0.0
-65°	50.9	27.2	13.0	0.0
-67.5°	42.6	23.7	11.8	0.0
-70°	35.5	21.3	10.7	0.0
-72.5°	30.8	18.9	9.5	0.0
-75°	26.1	16.6	8.3	0.0
-77.5°	22.5	14.2	7.1	0.0
-80°	17.8	10.7	4.7	0.0
-82.5°	13.0	8.3	3.6	0.0
-85°	8.3	5.9	2.4	0.0
-87.5°	4.7	2.4	1.2	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)