

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: P722214

Luminaire Tested: **IFLD-L-SA7D-830-U-76**

Issue Date: 10/26/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P722214  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 10/26/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7D-830-U-76  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7x6 Flood distribution lens  
Light Source: (112) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

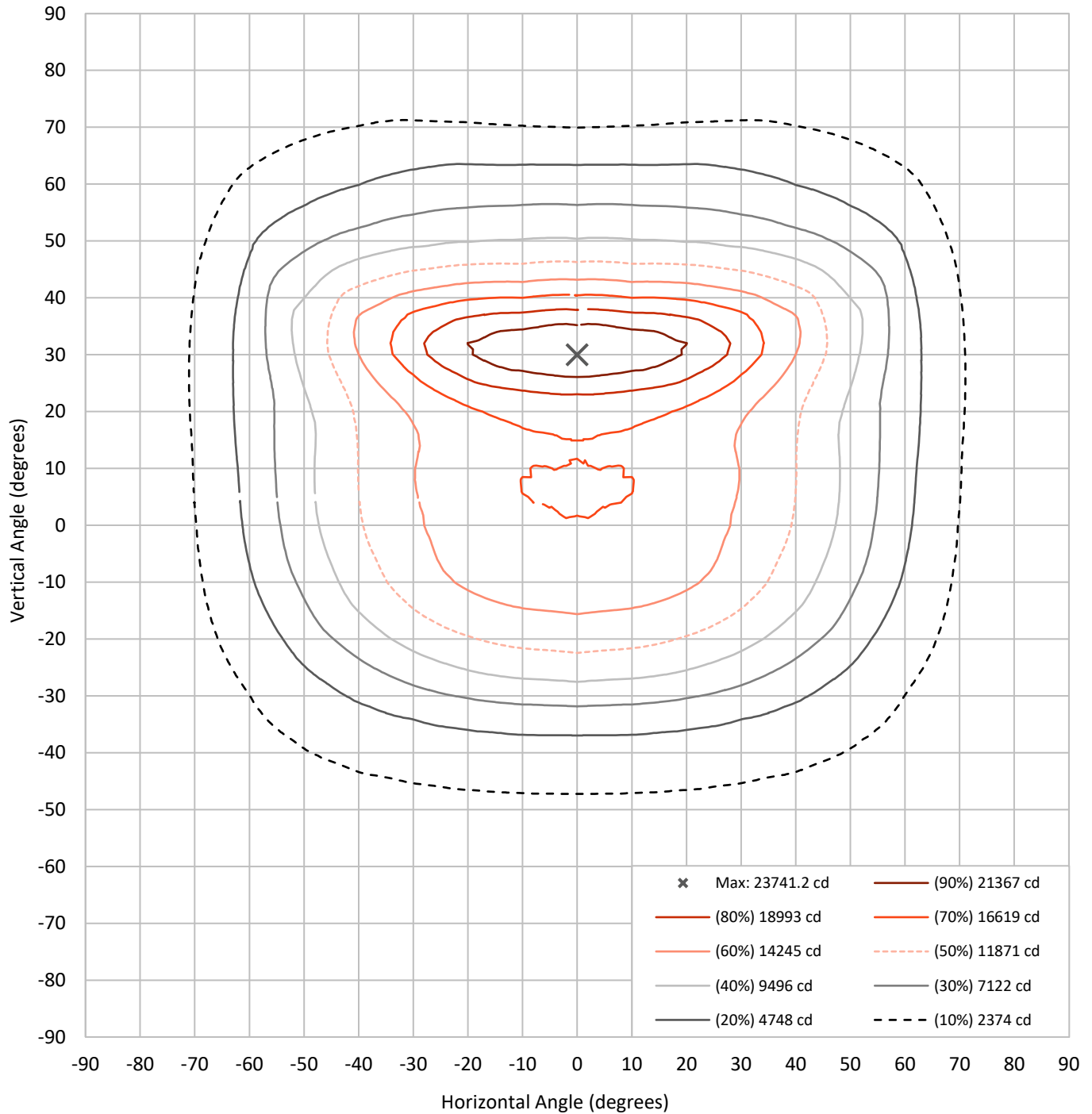
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	39630 lumens	Max Intensity:	23741.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	93.8 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')		
Beam Angle (50%):	90.8°H x 68.8°V	Field Angle (10%):	142°H x 117.1°V
Beam Lumens:	23045.3 lumens	Field Lumens:	37138.4 lumens
Beam Efficiency:	58.2%	Field Efficiency:	93.7%

Input Watts (W): 422.6  
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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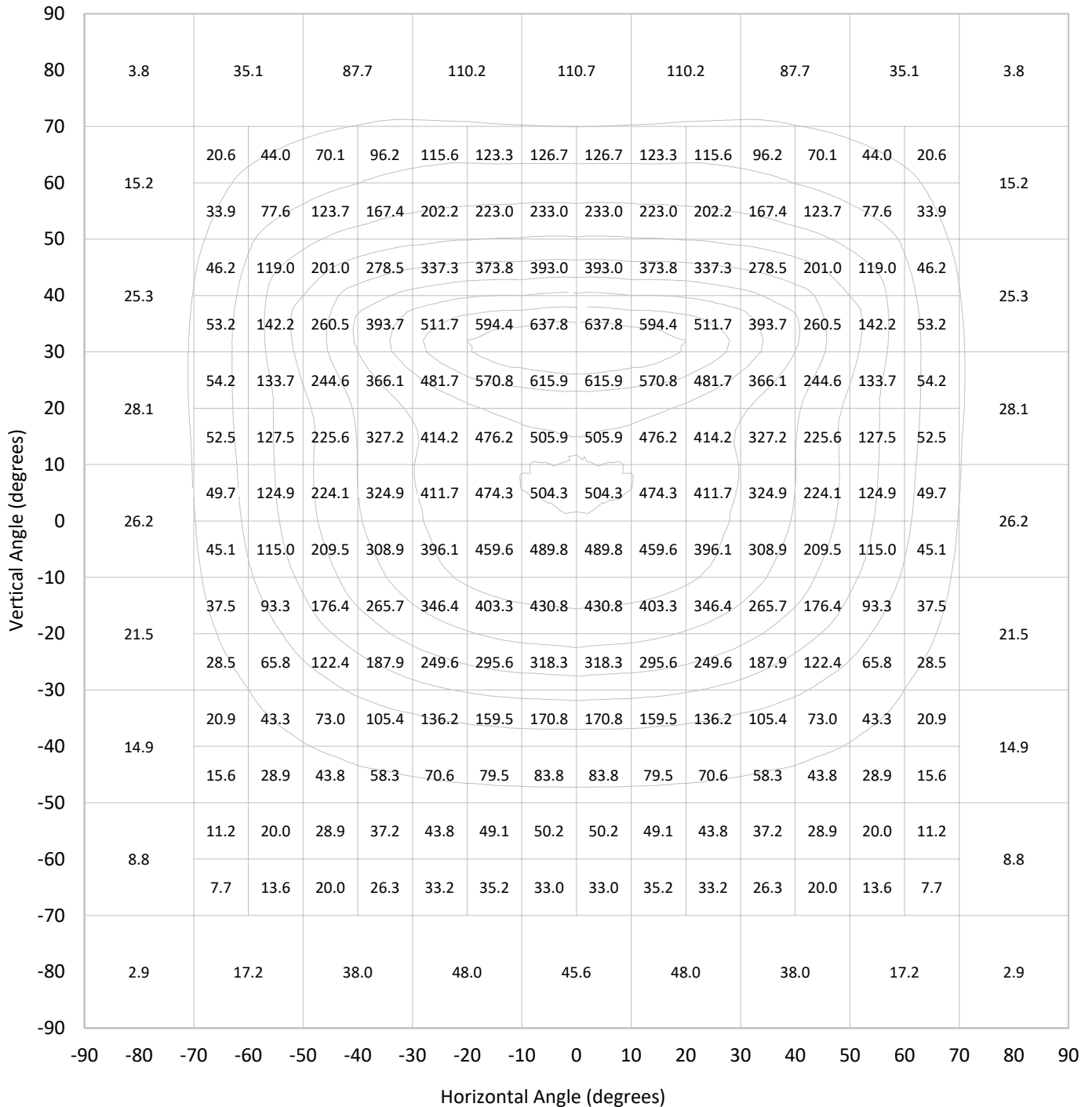
### Iso-Candela Plot





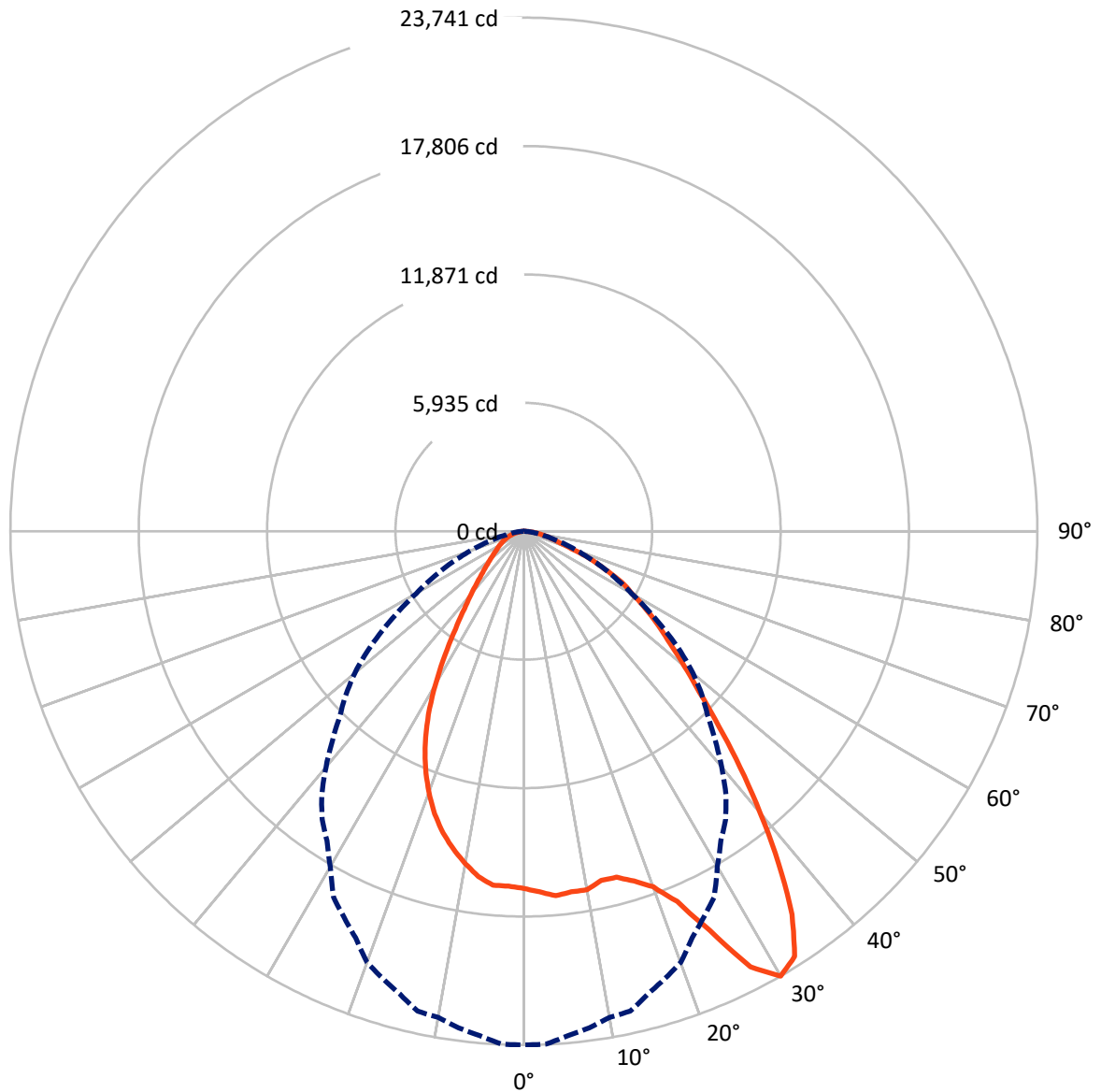
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### Lumen Table



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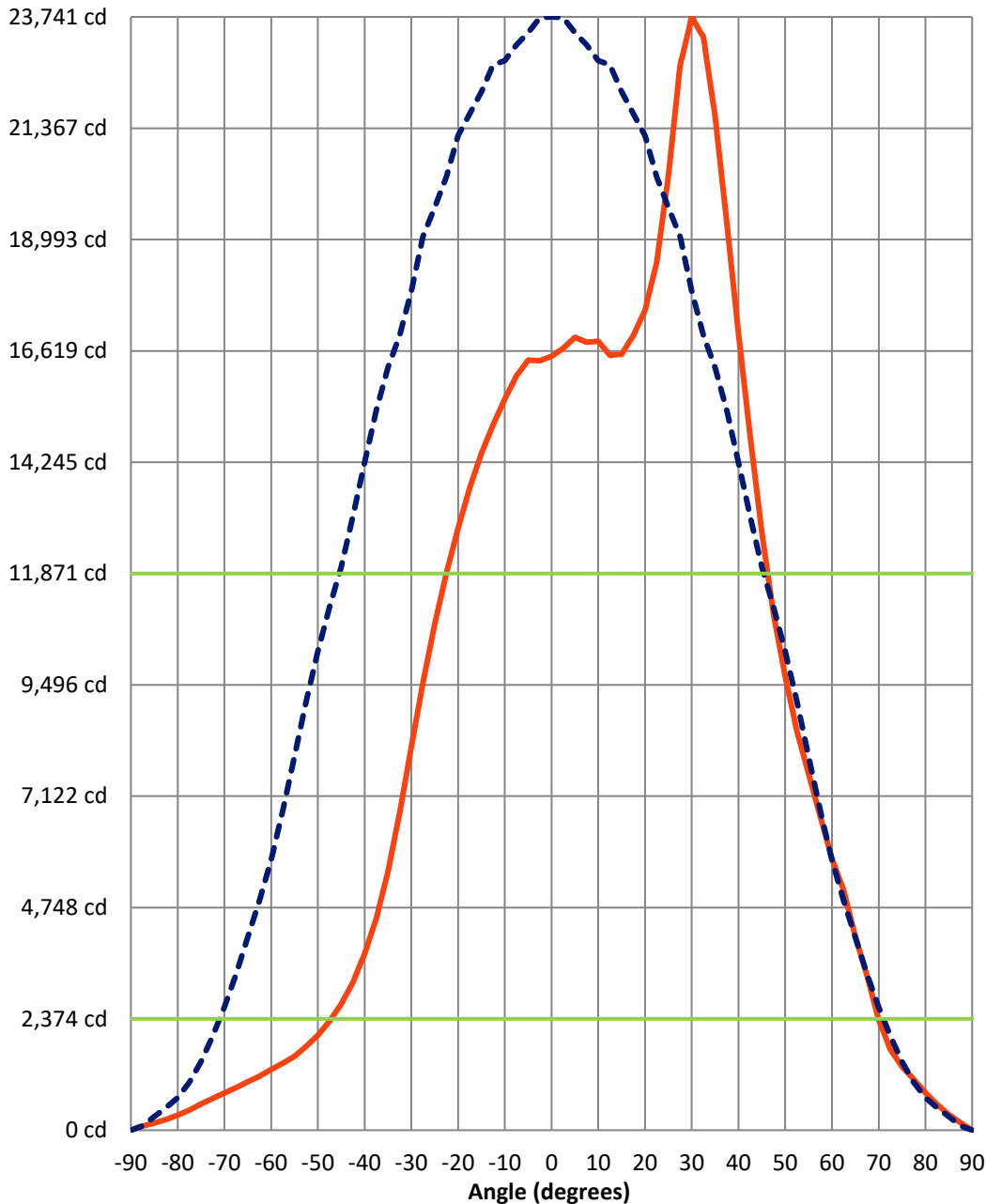
### Luminous Intensity Polar Plot



— 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: 23045.3  
 Efficiency: 58.2%

**Field:**  
 H Angle: 142°  
 V Angle: 117.1°  
 Lumens: 37138.4  
 Efficiency: 93.7%

**Spill:**  
 Lumens: 2491.6  
 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°	159.5	163.7	167.9	167.9	163.7	163.7	163.7	159.5	163.7	163.7	163.7
85°	331.7	340.1	348.5	344.3	340.1	331.7	323.3	327.5	331.7	335.9	335.9
82.5°	550.0	562.6	571.0	566.8	558.4	550.0	541.6	545.8	554.2	558.4	558.4
80°	797.7	801.9	806.1	814.5	801.9	801.9	797.7	814.5	822.9	831.3	839.7
77.5°	1083.2	1087.4	1087.4	1091.5	1095.7	1099.9	1099.9	1129.3	1150.3	1162.9	1175.5
75°	1351.8	1364.4	1377.0	1389.6	1406.4	1414.8	1427.4	1469.4	1503.0	1528.2	1553.4
72.5°	1721.3	1738.1	1759.1	1788.5	1817.8	1838.8	1868.2	1918.6	1956.4	1981.6	2011.0
70°	2355.2	2372.0	2393.0	2414.0	2443.4	2464.4	2493.8	2556.7	2594.5	2611.3	2628.1
67.5°	3295.6	3337.6	3375.4	3333.4	3312.4	3283.0	3291.4	3350.2	3388.0	3413.2	3409.0
65°	4131.1	4160.5	4160.5	4156.3	4139.5	4101.7	4122.7	4194.1	4236.0	4257.0	4194.1
62.5°	5113.5	5113.5	5092.5	5126.1	5130.3	5105.1	5092.5	5096.7	5100.9	5113.5	5008.5
60°	5793.6	5835.6	5848.2	5877.6	5886.0	5886.0	5907.0	5923.8	5923.8	5898.6	5776.8
57.5°	6692.0	6771.8	6788.6	6767.6	6725.6	6671.0	6662.6	6637.5	6587.1	6536.7	6477.9
55°	7598.9	7640.8	7636.6	7624.0	7582.1	7519.1	7527.5	7493.9	7414.1	7351.2	7271.4
52.5°	8509.9	8610.6	8627.4	8602.2	8543.5	8476.3	8480.5	8442.7	8362.9	8295.8	8186.6
50°	9672.8	9756.8	9748.4	9706.4	9622.4	9572.0	9576.2	9504.9	9412.5	9391.5	9248.8
47.5°	11003.7	11100.2	11083.4	11024.6	10911.3	10890.3	10911.3	10818.9	10764.4	10718.2	10550.2
45°	12750.1	12863.5	12800.5	12687.2	12506.6	12527.6	12557.0	12540.2	12422.7	12300.9	12086.8
42.5°	14798.9	14870.3	14794.7	14681.3	14454.6	14496.6	14479.8	14379.1	14307.7	14106.2	13833.3
40°	16990.4	17145.7	17028.2	16851.8	16616.7	16679.7	16633.5	16503.4	16335.5	16083.6	15739.3
37.5°	19354.0	19475.8	19341.4	19135.7	18925.8	18904.8	18812.4	18610.9	18371.6	18094.5	17544.6
35°	21616.9	21931.7	21684.0	21356.6	21100.5	21003.9	20915.8	20449.8	20176.9	19727.6	18976.2
32.5°	23300.4	23531.3	23224.8	22884.7	22574.1	22439.7	22129.1	21574.9	21427.9	20483.3	19794.8
30°	23741.2	23724.4	23405.3	23145.0	22809.2	22716.8	22145.8	21675.6	21205.4	20332.2	19677.3
27.5°	22691.6	22586.7	22280.2	22053.5	21721.8	21612.7	21050.1	20798.2	20071.9	19333.0	18778.8
25°	20353.2	20407.8	20176.9	20063.5	19845.2	19610.1	19387.6	19047.5	18594.1	17947.6	17439.6
22.5°	18510.2	18581.5	18485.0	18350.6	18182.7	18052.5	17884.6	17620.1	17183.5	16784.7	16306.1
20°	17485.8	17464.8	17380.8	17280.1	17120.5	17028.2	16843.4	16620.9	16285.1	15940.8	15424.4
17.5°	16948.4	16818.3	16738.5	16700.7	16616.7	16499.2	16280.9	16054.2	15793.9	15403.4	15025.6
15°	16549.6	16570.6	16507.6	16478.2	16411.0	16247.3	16024.8	15840.1	15487.4	15290.1	14945.8
12.5°	16524.4	16503.4	16507.6	16495.0	16411.0	16201.1	16087.8	15852.6	15625.9	15365.7	14971.0
10°	16822.4	16599.9	16616.7	16675.5	16541.2	16373.2	16251.5	15995.4	15781.3	15449.6	15059.2
7.5°	16805.7	16692.3	16725.9	16629.3	16671.3	16465.6	16297.7	16041.6	15772.9	15420.2	15067.6
5°	16906.4	16734.3	16704.9	16713.3	16608.3	16453.0	16226.3	15982.8	15730.9	15336.3	14975.2
2.5°	16675.5	16700.7	16566.4	16516.0	16503.4	16243.1	16033.2	15798.1	15537.8	15189.3	14866.1
0°	16503.4	16549.6	16411.0	16339.6	16335.5	16112.9	15978.6	15709.9	15525.2	15235.5	14845.1
-2.5°	16411.0	16465.6	16482.4	16352.2	16226.3	16054.2	15827.5	15537.8	15235.5	14899.6	14563.8
-5°	16419.4	16310.3	16264.1	16306.1	16196.9	16024.8	15772.9	15516.8	15218.7	14857.7	14437.8
-7.5°	16087.8	15978.6	15970.2	15949.2	15924.0	15760.3	15550.4	15273.3	14971.0	14635.2	14244.7
-10°	15592.4	15512.6	15491.6	15470.6	15403.4	15306.9	15109.6	14857.7	14584.8	14248.9	13833.3
-12.5°	15042.4	15004.6	14924.8	14870.3	14803.1	14689.7	14500.8	14269.9	13997.0	13698.9	13342.1
-15°	14433.6	14362.3	14282.5	14236.3	14139.8	14005.4	13816.5	13602.4	13304.3	13010.4	12674.6
-17.5°	13698.9	13610.8	13522.6	13510.0	13442.8	13237.1	13060.8	12800.5	12540.2	12258.9	11931.5
-20°	12834.1	12712.3	12653.6	12620.0	12527.6	12376.5	12187.6	11948.3	11696.4	11427.7	11049.8



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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°	11876.9	11771.9	11671.2	11608.2	11528.4	11410.9	11230.4	11020.4	10772.7	10470.5	10122.0
-25°	10789.5	10642.6	10579.6	10508.3	10466.3	10357.1	10180.8	9987.7	9731.6	9437.7	9106.0
-27.5°	9546.9	9429.3	9395.7	9295.0	9244.6	9131.2	8984.3	8803.8	8568.7	8291.6	8018.7
-30°	8174.0	8102.7	8048.1	7947.3	7909.5	7787.8	7691.2	7540.1	7326.0	7128.7	6910.3
-32.5°	6763.4	6692.0	6675.2	6629.1	6603.9	6524.1	6414.9	6305.8	6133.7	5986.7	5810.4
-35°	5512.3	5461.9	5466.1	5461.9	5436.8	5378.0	5243.6	5214.2	5088.3	4954.0	4840.6
-37.5°	4513.1	4517.3	4513.1	4508.9	4475.4	4450.2	4353.6	4315.8	4240.2	4110.1	4042.9
-40°	3761.6	3770.0	3765.8	3757.4	3719.7	3707.1	3644.1	3593.7	3564.3	3472.0	3400.6
-42.5°	3152.9	3165.5	3161.3	3157.1	3131.9	3127.7	3094.1	3035.3	3018.6	2964.0	2888.4
-45°	2691.1	2686.9	2678.5	2686.9	2674.3	2661.7	2640.7	2602.9	2581.9	2556.7	2493.8
-47.5°	2325.8	2330.0	2321.6	2321.6	2304.8	2292.3	2283.9	2258.7	2241.9	2220.9	2183.1
-50°	2023.6	2040.4	2036.2	2032.0	2019.4	2011.0	2011.0	1985.8	1960.6	1952.2	1927.0
-52.5°	1788.5	1801.1	1805.3	1813.7	1817.8	1822.0	1809.5	1784.3	1742.3	1738.1	1725.5
-55°	1574.3	1612.1	1637.3	1654.1	1670.9	1683.5	1658.3	1624.7	1582.7	1566.0	1561.8
-57.5°	1427.4	1465.2	1494.6	1519.8	1540.8	1561.8	1536.6	1503.0	1465.2	1444.2	1440.0
-60°	1293.1	1326.7	1356.0	1389.6	1419.0	1452.6	1440.0	1414.8	1393.8	1377.0	1360.2
-62.5°	1150.3	1183.9	1217.5	1259.5	1297.3	1330.9	1335.0	1330.9	1326.7	1330.9	1301.5
-65°	1032.8	1049.6	1070.6	1116.7	1158.7	1196.5	1217.5	1230.1	1251.1	1272.1	1242.7
-67.5°	906.8	927.8	953.0	986.6	1020.2	1045.4	1074.8	1108.3	1141.9	1175.5	1154.5
-70°	793.5	810.3	831.3	848.0	869.0	885.8	911.0	948.8	986.6	1020.2	1011.8
-72.5°	675.9	692.7	705.3	713.7	726.3	734.7	747.3	780.9	806.1	822.9	822.9
-75°	558.4	575.2	587.8	592.0	600.4	604.6	612.9	625.5	638.1	642.3	646.5
-77.5°	428.2	445.0	457.6	466.0	474.4	482.8	487.0	495.4	499.6	499.6	503.8
-80°	319.1	331.7	340.1	352.7	356.9	365.2	373.6	377.8	382.0	382.0	386.2
-82.5°	226.7	235.1	243.5	251.9	260.3	264.5	272.9	277.1	281.3	285.5	289.7
-85°	151.1	159.5	167.9	176.3	180.5	184.7	188.9	193.1	197.3	201.5	205.7
-87.5°	88.2	92.4	96.6	105.0	109.2	117.6	121.7	117.6	121.7	121.7	121.7
-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°	163.7	163.7	163.7	163.7	159.5	151.1	146.9	138.5	130.1	121.7	113.4
85°	340.1	344.3	344.3	344.3	335.9	331.7	319.1	306.5	289.7	264.5	243.5
82.5°	566.8	571.0	571.0	566.8	558.4	545.8	529.0	508.0	474.4	440.8	411.4
80°	852.2	856.4	856.4	852.2	831.3	810.3	789.3	764.1	722.1	675.9	625.5
77.5°	1192.3	1200.7	1200.7	1188.1	1158.7	1133.5	1099.9	1058.0	995.0	927.8	860.6
75°	1586.9	1607.9	1612.1	1599.5	1561.8	1515.6	1461.0	1389.6	1293.1	1209.1	1129.3
72.5°	2044.6	2065.5	2082.3	2065.5	2011.0	1948.0	1868.2	1784.3	1687.7	1574.3	1440.0
70°	2644.9	2665.9	2678.5	2623.9	2527.4	2422.4	2325.8	2229.3	2115.9	1977.4	1830.4
67.5°	3400.6	3379.6	3354.4	3245.3	3123.5	2997.6	2863.2	2720.5	2573.5	2426.6	2254.5
65°	4126.9	4068.1	4013.5	3883.4	3728.1	3564.3	3409.0	3249.5	3073.1	2888.4	2724.7
62.5°	4891.0	4765.0	4630.7	4471.2	4311.6	4131.1	3975.8	3786.8	3589.5	3362.8	3152.9
60°	5642.5	5491.3	5357.0	5159.7	4949.8	4706.3	4538.3	4353.6	4122.7	3879.2	3631.5
57.5°	6368.8	6205.0	6058.1	5886.0	5659.3	5394.8	5210.0	4970.7	4727.2	4420.8	4168.9
55°	7141.2	6977.5	6860.0	6666.8	6419.1	6175.6	5974.1	5722.2	5382.2	5054.7	4744.0
52.5°	8027.1	7896.9	7771.0	7573.7	7275.6	7027.9	6805.4	6524.1	6167.3	5764.2	5390.6
50°	9017.9	8950.7	8816.4	8585.5	8245.4	8027.1	7733.2	7359.6	6977.5	6553.5	6087.5
47.5°	10331.9	10222.8	10033.9	9782.0	9496.5	9169.0	8774.4	8337.8	7796.2	7326.0	6830.6
45°	11902.1	11700.6	11457.1	11117.0	10764.4	10394.9	9962.5	9408.3	8682.0	8069.1	7548.5
42.5°	13602.4	13329.5	12997.8	12552.8	12095.2	11641.8	11175.8	10420.1	9513.3	8808.0	8220.2
40°	15378.2	15029.8	14614.2	13967.6	13459.6	12876.1	12342.9	11213.6	10248.0	9483.9	8858.3
37.5°	17116.3	16675.5	15978.6	15193.5	14601.6	14123.0	12951.6	11742.5	10877.7	10038.1	9404.1
35°	18447.2	18073.5	16843.4	16029.0	15521.0	14765.3	13300.1	12061.6	11146.4	10449.5	9462.9
32.5°	19236.5	18270.9	17191.9	16369.0	15949.2	14710.7	13325.3	12154.0	11272.3	10491.5	9311.8
30°	19060.1	17893.0	16948.4	16259.9	15348.9	14236.3	13090.2	12011.2	11154.8	10210.2	9143.8
27.5°	17998.0	17095.3	16251.5	15533.6	14639.4	13640.2	12582.2	11633.4	10835.7	9920.5	8912.9
25°	16797.3	15978.6	15353.1	14727.5	13879.5	12926.5	11994.4	11310.1	10508.3	9605.6	8610.6
22.5°	15693.1	15105.4	14614.2	13959.2	13132.2	12300.9	11721.6	11012.0	10189.2	9274.0	8300.0
20°	14987.8	14589.0	14026.4	13304.3	12653.6	12133.0	11490.7	10739.2	9891.1	8933.9	8035.5
17.5°	14647.7	14185.9	13560.4	13090.2	12590.6	12019.6	11301.7	10504.1	9601.4	8778.6	8064.9
15°	14471.4	13984.4	13573.0	13111.2	12548.6	11948.3	11150.6	10323.5	9601.4	8841.5	8085.9
12.5°	14509.2	14089.4	13640.2	13136.4	12531.8	11889.5	11167.4	10399.1	9651.8	8887.7	8090.1
10°	14626.8	14185.9	13707.3	13149.0	12540.2	11906.3	11213.6	10445.3	9677.0	8908.7	8081.7
7.5°	14668.7	14190.1	13677.9	13115.4	12519.2	11897.9	11222.0	10457.9	9681.2	8904.5	8056.5
5°	14538.6	14106.2	13610.8	13044.0	12460.5	11855.9	11188.4	10441.1	9647.6	8862.5	7993.5
2.5°	14362.3	14013.8	13539.4	12993.6	12401.7	11797.1	11133.8	10365.5	9572.0	8787.0	7913.7
0°	14332.9	13900.5	13421.9	12934.9	12305.1	11667.0	11007.9	10222.8	9433.5	8644.2	7775.2
-2.5°	14139.8	13682.1	13203.5	12674.6	12120.4	11478.1	10785.3	10017.1	9236.2	8459.5	7624.0
-5°	13992.8	13484.8	12976.8	12405.9	11847.5	11205.2	10487.3	9740.0	8975.9	8220.2	7414.1
-7.5°	13795.5	13274.9	12741.7	12145.6	11541.0	10886.1	10176.6	9429.3	8677.8	7926.3	7153.8
-10°	13396.7	12939.1	12439.5	11822.3	11184.2	10529.2	9823.9	9089.2	8337.8	7577.9	6801.2
-12.5°	12913.9	12431.1	11885.3	11318.5	10747.6	10138.8	9433.5	8711.4	7955.7	7191.6	6419.1
-15°	12288.3	11813.9	11255.5	10701.4	10151.4	9567.8	8946.5	8295.8	7527.5	6776.0	6003.5
-17.5°	11507.4	11062.4	10562.8	10033.9	9488.1	8900.3	8295.8	7745.8	7027.9	6322.6	5558.5
-20°	10667.8	10252.2	9802.9	9303.4	8757.6	8182.4	7611.5	7036.3	6414.9	5793.6	5084.1



REPORT NUMBER: P722214

CATALOG NUMBER: IFLD-L-SA7D-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°	9794.6	9374.7	8921.3	8455.3	7951.5	7418.3	6889.4	6339.4	5793.6	5231.0	4630.7
-25°	8787.0	8417.5	8001.9	7548.5	7099.3	6633.3	6129.5	5629.9	5163.9	4676.9	4185.7
-27.5°	7733.2	7393.1	7015.3	6620.7	6234.4	5844.0	5407.4	4945.6	4559.3	4156.3	3749.1
-30°	6624.9	6352.0	6045.5	5701.2	5403.2	5088.3	4723.0	4341.0	3988.4	3681.9	3354.4
-32.5°	5575.3	5344.4	5126.1	4899.4	4605.5	4362.0	4110.1	3828.8	3518.1	3228.5	2993.4
-35°	4672.7	4425.0	4332.6	4164.7	3954.8	3740.7	3555.9	3354.4	3119.3	2863.2	2670.1
-37.5°	3912.8	3765.8	3635.7	3543.3	3404.8	3232.7	3085.7	2938.8	2758.3	2565.1	2372.0
-40°	3320.8	3220.1	3077.3	3031.1	2943.0	2825.4	2674.3	2560.9	2439.2	2292.3	2128.5
-42.5°	2846.4	2770.9	2678.5	2598.7	2560.9	2477.0	2359.4	2250.3	2153.7	2053.0	1927.0
-45°	2456.0	2405.6	2346.8	2275.5	2246.1	2178.9	2094.9	1973.2	1918.6	1834.6	1742.3
-47.5°	2141.1	2115.9	2073.9	2027.8	1985.8	1935.4	1859.8	1784.3	1708.7	1654.1	1582.7
-50°	1893.4	1876.6	1851.4	1813.7	1759.1	1725.5	1675.1	1607.9	1536.6	1490.4	1440.0
-52.5°	1696.1	1679.3	1662.5	1633.1	1591.1	1557.6	1515.6	1461.0	1402.2	1356.0	1314.1
-55°	1545.0	1519.8	1507.2	1482.0	1448.4	1410.6	1372.8	1335.0	1284.7	1242.7	1200.7
-57.5°	1427.4	1393.8	1377.0	1356.0	1322.5	1284.7	1255.3	1217.5	1183.9	1137.7	1099.9
-60°	1335.0	1297.3	1263.7	1242.7	1213.3	1175.5	1146.1	1116.7	1083.2	1045.4	999.2
-62.5°	1259.5	1213.3	1167.1	1141.9	1112.5	1079.0	1049.6	1020.2	986.6	948.8	906.8
-65°	1188.1	1133.5	1074.8	1049.6	1020.2	986.6	948.8	927.8	898.4	864.8	822.9
-67.5°	1099.9	1041.2	990.8	961.4	932.0	902.6	869.0	848.0	818.7	776.7	734.7
-70°	969.8	932.0	898.4	873.2	848.0	822.9	789.3	755.7	722.1	684.3	646.5
-72.5°	806.1	793.5	789.3	776.7	747.3	717.9	684.3	650.7	621.3	592.0	562.6
-75°	650.7	659.1	667.5	663.3	633.9	604.6	575.2	545.8	524.8	499.6	474.4
-77.5°	516.4	524.8	533.2	533.2	512.2	495.4	474.4	453.4	436.6	415.6	390.4
-80°	398.8	411.4	424.0	432.4	415.6	403.0	386.2	369.4	352.7	335.9	319.1
-82.5°	302.3	314.9	327.5	335.9	323.3	314.9	302.3	289.7	277.1	260.3	247.7
-85°	218.3	226.7	235.1	239.3	230.9	222.5	214.1	205.7	197.3	184.7	176.3
-87.5°	125.9	130.1	134.3	138.5	130.1	121.7	117.6	109.2	105.0	96.6	92.4
-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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 CATALOG NUMBER: IFLD-L-SA7D-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°	105.0	96.6	88.2	84.0	75.6	63.0	54.6	46.2	37.8	29.4	25.2
85°	222.5	201.5	176.3	163.7	146.9	130.1	113.4	96.6	79.8	63.0	46.2
82.5°	382.0	356.9	331.7	302.3	264.5	218.3	172.1	142.7	117.6	92.4	71.4
80°	575.2	529.0	487.0	449.2	407.2	348.5	285.5	226.7	159.5	121.7	92.4
77.5°	797.7	743.1	684.3	621.3	554.2	474.4	403.0	327.5	247.7	167.9	117.6
75°	1049.6	978.2	898.4	810.3	722.1	617.1	516.4	428.2	335.9	235.1	142.7
72.5°	1330.9	1242.7	1146.1	1028.6	890.0	768.3	646.5	529.0	419.8	298.1	193.1
70°	1691.9	1553.4	1410.6	1284.7	1108.3	915.2	772.5	638.1	499.6	365.2	243.5
67.5°	2078.1	1910.2	1738.1	1553.4	1330.9	1104.1	898.4	747.3	583.6	428.2	289.7
65°	2498.0	2288.1	2069.7	1864.0	1557.6	1288.9	1058.0	852.2	663.3	487.0	335.9
62.5°	2930.4	2682.7	2430.8	2162.1	1809.5	1477.8	1209.1	969.8	738.9	541.6	377.8
60°	3392.2	3102.5	2796.0	2460.2	2048.8	1683.5	1351.8	1091.5	818.7	596.2	424.0
57.5°	3879.2	3564.3	3203.3	2749.9	2296.5	1880.8	1515.6	1200.7	890.0	646.5	457.6
55°	4408.2	4047.1	3652.5	3052.1	2540.0	2078.1	1679.3	1309.9	965.6	688.5	491.2
52.5°	4979.1	4559.3	4059.7	3371.2	2796.0	2279.7	1830.4	1406.4	1037.0	734.7	520.6
50°	5617.3	5088.3	4416.6	3665.1	3018.6	2468.6	1981.6	1511.4	1095.7	785.1	545.8
47.5°	6280.6	5709.6	4735.6	3938.0	3245.3	2653.3	2136.9	1603.7	1154.5	827.1	571.0
45°	6973.3	6142.1	5067.3	4181.5	3442.6	2821.2	2254.5	1687.7	1225.9	864.8	592.0
42.5°	7657.6	6469.5	5357.0	4425.0	3627.3	2972.4	2351.0	1767.5	1284.7	902.6	612.9
40°	7980.9	6717.2	5587.9	4592.9	3782.6	3106.7	2435.0	1838.8	1335.0	927.8	633.9
37.5°	8115.2	6868.4	5739.0	4752.4	3904.4	3178.1	2506.4	1901.8	1377.0	953.0	650.7
35°	8144.6	6922.9	5814.6	4861.6	4005.1	3245.3	2560.9	1948.0	1410.6	978.2	667.5
32.5°	8090.1	6906.1	5835.6	4899.4	4068.1	3295.6	2598.7	1981.6	1435.8	1003.4	684.3
30°	7968.3	6818.0	5760.0	4895.2	4114.3	3325.0	2623.9	2006.8	1461.0	1020.2	692.7
27.5°	7771.0	6662.6	5663.5	4899.4	4139.5	3337.6	2636.5	2019.4	1477.8	1032.8	709.5
25°	7527.5	6452.7	5667.7	4891.0	4143.7	3341.8	2636.5	2019.4	1482.0	1037.0	722.1
22.5°	7246.2	6452.7	5667.7	4878.4	4118.5	3333.4	2623.9	2011.0	1482.0	1045.4	734.7
20°	7263.0	6456.9	5655.1	4853.2	4080.7	3308.2	2594.5	1990.0	1469.4	1058.0	743.1
17.5°	7275.6	6448.5	5629.9	4819.6	4030.3	3266.3	2556.7	1960.6	1469.4	1070.6	747.3
15°	7275.6	6423.3	5592.1	4769.2	3967.4	3207.5	2502.2	1935.4	1473.6	1074.8	755.7
12.5°	7263.0	6377.2	5533.3	4702.1	3891.8	3136.1	2468.6	1927.0	1473.6	1079.0	755.7
10°	7237.8	6314.2	5457.7	4618.1	3820.4	3110.9	2451.8	1910.2	1465.2	1079.0	755.7
7.5°	7191.6	6238.6	5394.8	4567.7	3778.4	3081.5	2426.6	1885.0	1452.6	1070.6	764.1
5°	7120.3	6196.6	5344.4	4508.9	3719.7	3060.5	2409.8	1864.0	1444.2	1070.6	755.7
2.5°	7027.9	6146.3	5285.6	4433.4	3652.5	2989.2	2355.2	1817.8	1414.8	1053.8	747.3
0°	6876.8	6045.5	5184.9	4328.4	3560.1	2917.8	2300.6	1771.7	1385.4	1037.0	738.9
-2.5°	6738.2	5911.2	5054.7	4219.3	3472.0	2854.8	2258.7	1746.5	1372.8	1032.8	734.7
-5°	6545.1	5726.4	4882.6	4076.5	3354.4	2791.8	2216.7	1717.1	1360.2	1024.4	734.7
-7.5°	6331.0	5533.3	4702.1	3929.6	3236.9	2682.7	2136.9	1670.9	1330.9	1007.6	730.5
-10°	5999.3	5243.6	4475.4	3761.6	3110.9	2586.1	2069.7	1628.9	1305.7	990.8	713.7
-12.5°	5646.7	4924.6	4215.1	3555.9	2968.2	2485.4	1994.2	1582.7	1276.3	974.0	705.3
-15°	5273.0	4597.1	3942.2	3341.8	2812.8	2363.6	1914.4	1532.4	1246.9	953.0	692.7
-17.5°	4882.6	4252.8	3660.9	3123.5	2657.5	2237.7	1830.4	1486.2	1213.3	932.0	680.1
-20°	4471.2	3900.2	3375.4	2901.0	2493.8	2111.7	1742.3	1431.6	1175.5	906.8	663.3



REPORT NUMBER: P722214

CATALOG NUMBER: IFLD-L-SA7D-830-U-76

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
-22.5°	4063.9	3551.7	3081.5	2682.7	2325.8	1981.6	1654.1	1377.0	1133.5	877.4	650.7
-25°	3702.9	3224.3	2821.2	2472.8	2162.1	1855.6	1561.8	1322.5	1087.4	848.0	633.9
-27.5°	3350.2	2943.0	2565.1	2275.5	2002.6	1733.9	1473.6	1263.7	1041.2	814.5	617.1
-30°	3022.8	2674.3	2363.6	2082.3	1851.4	1624.7	1398.0	1204.9	990.8	780.9	596.2
-32.5°	2724.7	2443.4	2183.1	1914.4	1708.7	1515.6	1326.7	1146.1	940.4	747.3	575.2
-35°	2447.6	2229.3	2002.6	1775.9	1566.0	1414.8	1251.1	1083.2	894.2	709.5	554.2
-37.5°	2199.9	2023.6	1843.0	1649.9	1469.4	1318.3	1179.7	1020.2	848.0	675.9	533.2
-40°	1985.8	1843.0	1683.5	1528.2	1377.0	1234.3	1108.3	957.2	801.9	650.7	512.2
-42.5°	1788.5	1679.3	1549.2	1419.0	1284.7	1158.7	1037.0	890.0	755.7	621.3	491.2
-45°	1637.3	1528.2	1423.2	1305.7	1192.3	1083.2	961.4	831.3	713.7	587.8	470.2
-47.5°	1494.6	1398.0	1301.5	1204.9	1112.5	1011.8	890.0	780.9	667.5	558.4	453.4
-50°	1368.6	1276.3	1192.3	1108.3	1028.6	932.0	818.7	730.5	629.7	529.0	432.4
-52.5°	1251.1	1171.3	1087.4	1020.2	953.0	856.4	764.1	680.1	592.0	495.4	411.4
-55°	1146.1	1070.6	995.0	932.0	869.0	785.1	709.5	638.1	554.2	470.2	390.4
-57.5°	1045.4	982.4	911.0	852.2	789.3	722.1	659.1	592.0	516.4	445.0	369.4
-60°	953.0	894.2	831.3	772.5	717.9	663.3	604.6	550.0	482.8	415.6	348.5
-62.5°	860.6	810.3	755.7	696.9	654.9	604.6	558.4	503.8	449.2	390.4	310.7
-65°	776.7	730.5	680.1	629.7	592.0	554.2	512.2	461.8	415.6	361.1	277.1
-67.5°	692.7	650.7	608.7	566.8	533.2	503.8	461.8	424.0	386.2	327.5	243.5
-70°	612.9	579.4	541.6	508.0	482.8	449.2	419.8	386.2	352.7	285.5	205.7
-72.5°	537.4	503.8	474.4	449.2	428.2	398.8	373.6	348.5	302.3	239.3	172.1
-75°	449.2	428.2	411.4	390.4	369.4	348.5	327.5	298.1	251.9	193.1	134.3
-77.5°	369.4	356.9	344.3	327.5	310.7	293.9	268.7	239.3	201.5	151.1	109.2
-80°	302.3	289.7	281.3	264.5	251.9	235.1	209.9	184.7	146.9	117.6	88.2
-82.5°	230.9	222.5	214.1	205.7	193.1	176.3	151.1	130.1	109.2	88.2	67.2
-85°	163.7	159.5	151.1	142.7	130.1	117.6	100.8	88.2	75.6	58.8	46.2
-87.5°	84.0	79.8	75.6	71.4	67.2	58.8	50.4	42.0	37.8	29.4	21.0
-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):**

	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0
87.5°	16.8	12.6	4.2	0.0
85°	33.6	21.0	8.4	0.0
82.5°	50.4	33.6	12.6	0.0
80°	67.2	42.0	21.0	0.0
77.5°	84.0	50.4	25.2	0.0
75°	100.8	63.0	29.4	0.0
72.5°	113.4	71.4	33.6	0.0
70°	134.3	84.0	37.8	0.0
67.5°	167.9	92.4	42.0	0.0
65°	197.3	100.8	46.2	0.0
62.5°	230.9	109.2	50.4	0.0
60°	260.3	117.6	54.6	0.0
57.5°	289.7	138.5	58.8	0.0
55°	314.9	155.3	63.0	0.0
52.5°	344.3	172.1	67.2	0.0
50°	369.4	188.9	71.4	0.0
47.5°	390.4	205.7	71.4	0.0
45°	407.2	218.3	75.6	0.0
42.5°	419.8	230.9	79.8	0.0
40°	432.4	243.5	84.0	0.0
37.5°	445.0	256.1	84.0	0.0
35°	457.6	268.7	88.2	0.0
32.5°	470.2	281.3	88.2	0.0
30°	478.6	289.7	92.4	0.0
27.5°	491.2	298.1	92.4	0.0
25°	495.4	306.5	96.6	0.0
22.5°	503.8	310.7	96.6	0.0
20°	512.2	319.1	96.6	0.0
17.5°	516.4	323.3	100.8	0.0
15°	516.4	327.5	105.0	0.0
12.5°	520.6	331.7	105.0	0.0
10°	520.6	340.1	100.8	0.0
7.5°	529.0	335.9	100.8	0.0
5°	524.8	335.9	100.8	0.0
2.5°	520.6	331.7	100.8	0.0
0°	516.4	331.7	100.8	0.0
-2.5°	516.4	331.7	100.8	0.0
-5°	516.4	331.7	100.8	0.0
-7.5°	512.2	335.9	100.8	0.0
-10°	503.8	335.9	100.8	0.0
-12.5°	499.6	323.3	100.8	0.0
-15°	495.4	319.1	100.8	0.0
-17.5°	487.0	314.9	96.6	0.0
-20°	478.6	310.7	96.6	0.0



REPORT NUMBER: P722214

CATALOG NUMBER: IFLD-L-SA7D-830-U-76

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°
-22.5°	470.2	302.3	96.6	0.0
-25°	461.8	293.9	92.4	0.0
-27.5°	453.4	285.5	92.4	0.0
-30°	440.8	277.1	88.2	0.0
-32.5°	428.2	268.7	88.2	0.0
-35°	419.8	256.1	84.0	0.0
-37.5°	407.2	243.5	84.0	0.0
-40°	394.6	230.9	79.8	0.0
-42.5°	382.0	218.3	75.6	0.0
-45°	365.2	205.7	75.6	0.0
-47.5°	352.7	193.1	71.4	0.0
-50°	331.7	176.3	67.2	0.0
-52.5°	306.5	159.5	63.0	0.0
-55°	281.3	146.9	58.8	0.0
-57.5°	256.1	130.1	58.8	0.0
-60°	230.9	113.4	54.6	0.0
-62.5°	205.7	105.0	50.4	0.0
-65°	180.5	96.6	46.2	0.0
-67.5°	151.1	84.0	42.0	0.0
-70°	125.9	75.6	37.8	0.0
-72.5°	109.2	67.2	33.6	0.0
-75°	92.4	58.8	29.4	0.0
-77.5°	79.8	50.4	25.2	0.0
-80°	63.0	37.8	16.8	0.0
-82.5°	46.2	29.4	12.6	0.0
-85°	29.4	21.0	8.4	0.0
-87.5°	16.8	8.4	4.2	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)