

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: P722211

Luminaire Tested: **IFLD-L-SA7A-830-U-76**

Issue Date: 10/26/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P722211  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 10/26/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7A-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**

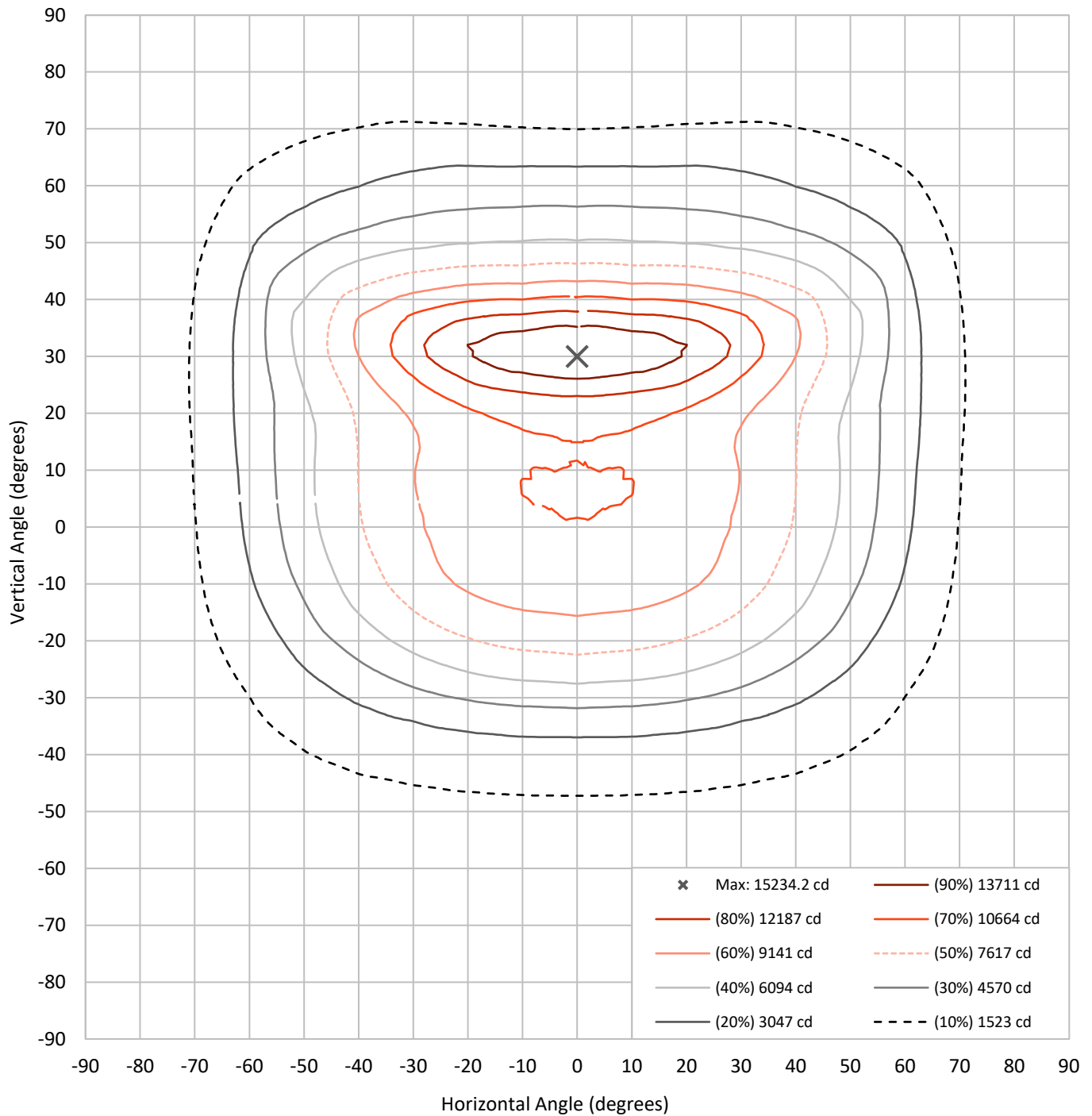
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	25429.8 lumens	Max Intensity:	15234.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	116.9 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')		
Beam Angle (50%):	90.8°H x 68.8°V	Field Angle (10%):	142°H x 117.1°V
Beam Lumens:	14787.7 lumens	Field Lumens:	23831 lumens
Beam Efficiency:	58.2%	Field Efficiency:	93.7%

Input Watts (W): 217.6  
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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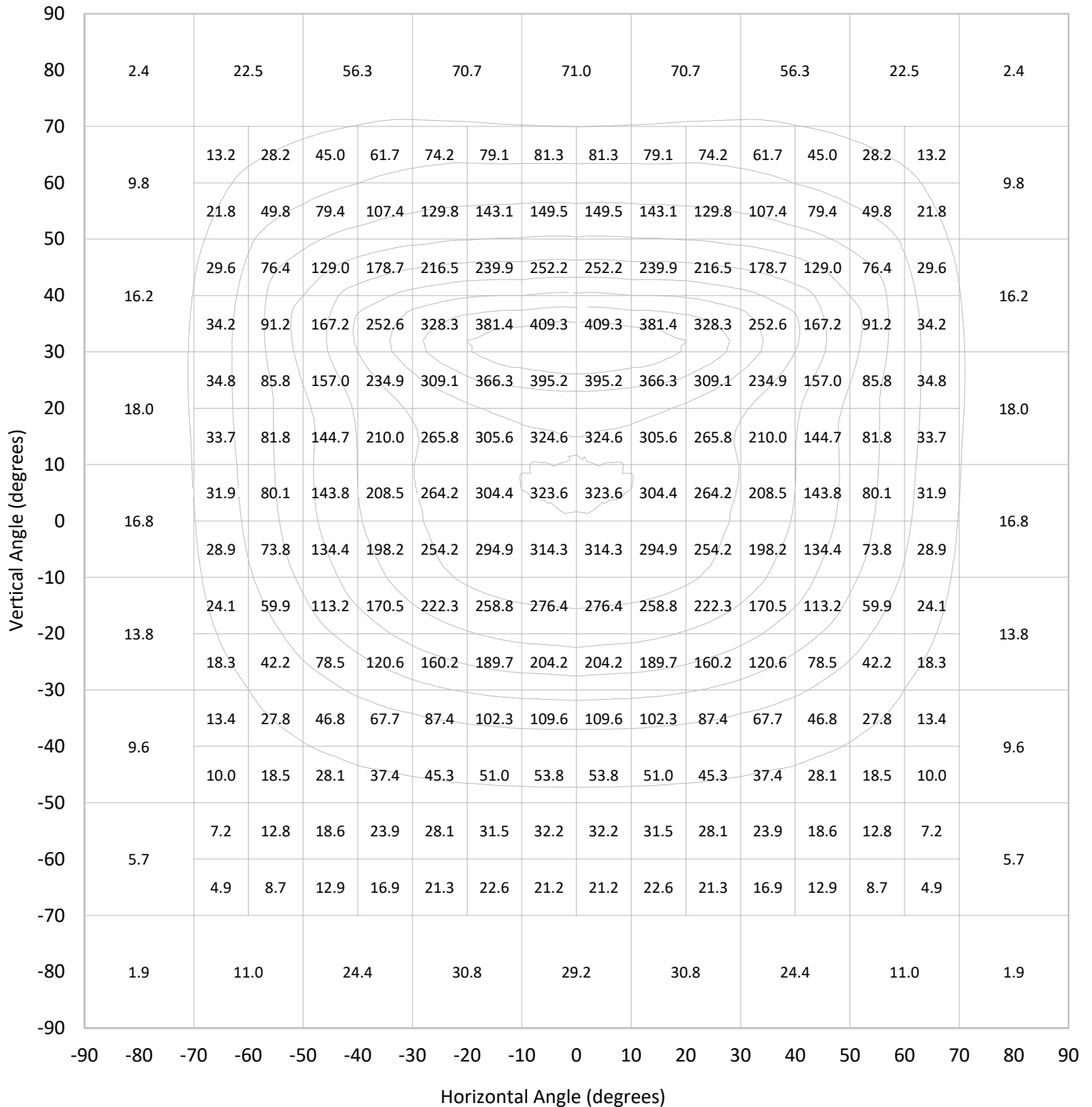
### Iso-Candela Plot





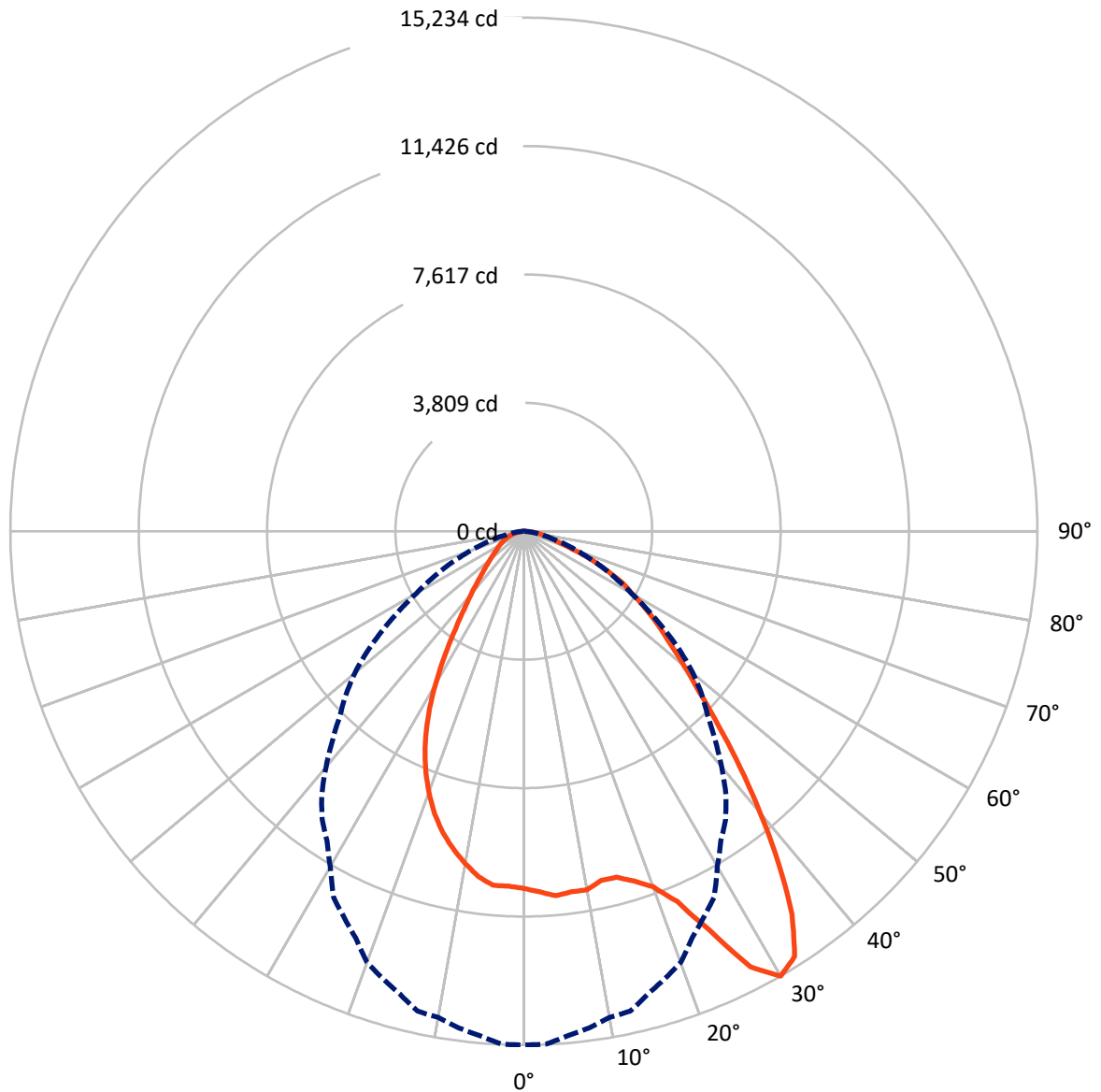
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### Lumen Table



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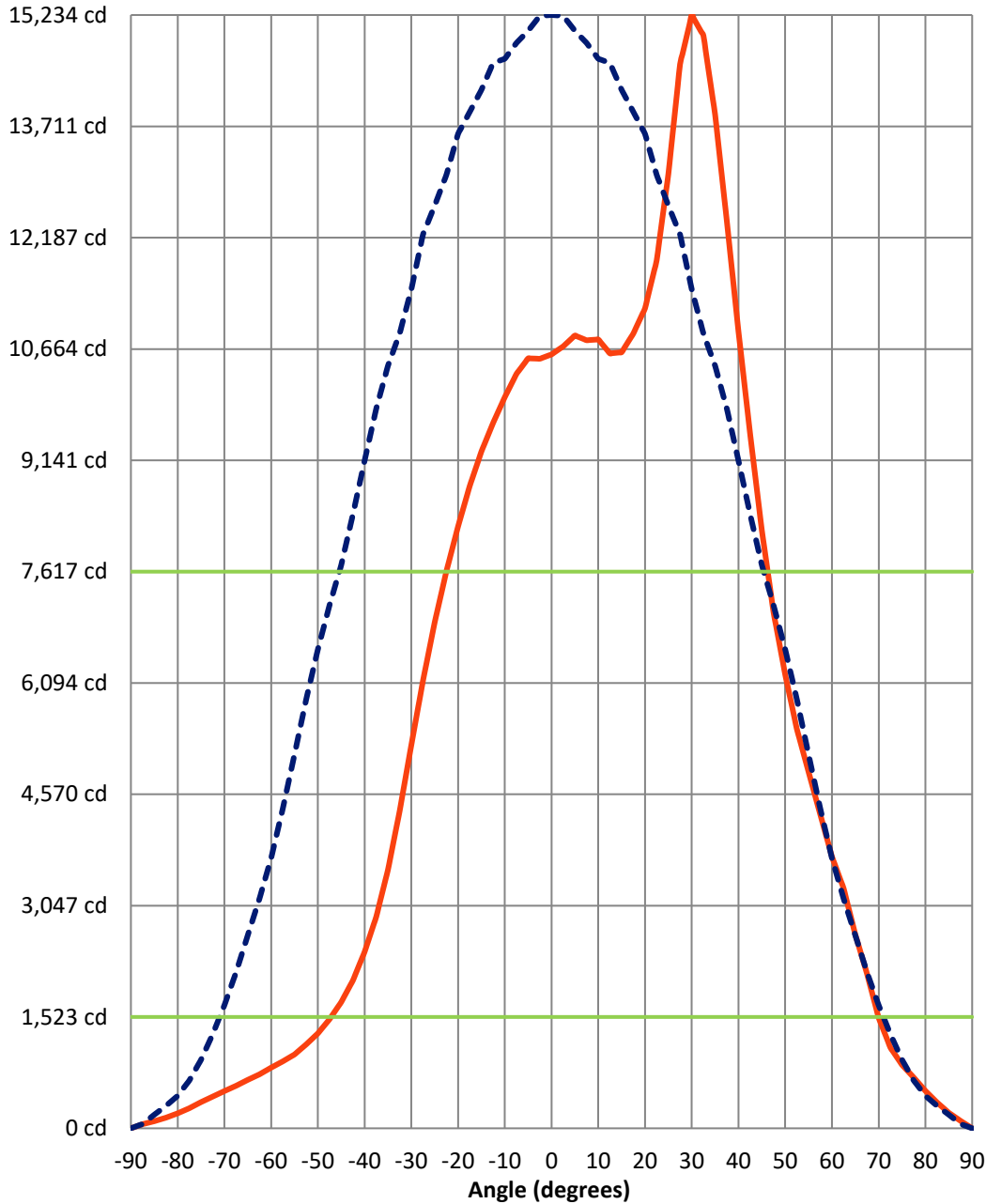
### Luminous Intensity Polar Plot



— 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: 14787.7  
 Efficiency: 58.2%

**Field:**  
 H Angle: 142°  
 V Angle: 117.1°  
 Lumens: 23831  
 Efficiency: 93.7%

**Spill:**  
 Lumens: 1598.8  
 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°	102.4	105.1	107.8	107.8	105.1	105.1	105.1	102.4	105.1	105.1	105.1
85°	212.8	218.2	223.6	220.9	218.2	212.8	207.4	210.1	212.8	215.5	215.5
82.5°	352.9	361.0	366.4	363.7	358.3	352.9	347.5	350.2	355.6	358.3	358.3
80°	511.8	514.5	517.2	522.6	514.5	514.5	511.8	522.6	528.0	533.4	538.8
77.5°	695.0	697.7	697.7	700.4	703.1	705.8	705.8	724.7	738.1	746.2	754.3
75°	867.4	875.5	883.6	891.7	902.5	907.9	915.9	942.9	964.4	980.6	996.8
72.5°	1104.5	1115.3	1128.8	1147.6	1166.5	1179.9	1198.8	1231.1	1255.4	1271.5	1290.4
70°	1511.3	1522.1	1535.5	1549.0	1567.9	1581.3	1600.2	1640.6	1664.9	1675.6	1686.4
67.5°	2114.7	2141.7	2165.9	2139.0	2125.5	2106.7	2112.0	2149.8	2174.0	2190.2	2187.5
65°	2650.8	2669.7	2669.7	2667.0	2656.2	2632.0	2645.4	2691.2	2718.2	2731.7	2691.2
62.5°	3281.2	3281.2	3267.7	3289.3	3292.0	3275.8	3267.7	3270.4	3273.1	3281.2	3213.9
60°	3717.6	3744.6	3752.7	3771.5	3776.9	3776.9	3790.4	3801.1	3801.1	3785.0	3706.9
57.5°	4294.1	4345.3	4356.1	4342.6	4315.7	4280.7	4275.3	4259.1	4226.8	4194.5	4156.7
55°	4876.0	4903.0	4900.3	4892.2	4865.3	4824.8	4830.2	4808.7	4757.5	4717.1	4665.9
52.5°	5460.6	5525.3	5536.0	5519.9	5482.2	5439.1	5441.8	5417.5	5366.3	5323.2	5253.2
50°	6206.8	6260.7	6255.3	6228.4	6174.5	6142.2	6144.9	6099.1	6039.8	6026.3	5934.7
47.5°	7060.8	7122.8	7112.0	7074.3	7001.6	6988.1	7001.6	6942.3	6907.3	6877.6	6769.9
45°	8181.5	8254.2	8213.8	8141.1	8025.2	8038.7	8057.6	8046.8	7971.4	7893.2	7755.9
42.5°	9496.1	9541.9	9493.4	9420.7	9275.2	9302.2	9291.4	9226.7	9180.9	9051.6	8876.5
40°	10902.4	11002.1	10926.6	10813.5	10662.6	10703.0	10673.4	10589.9	10482.1	10320.5	10099.6
37.5°	12419.1	12497.2	12411.0	12279.0	12144.3	12130.8	12071.5	11942.2	11788.7	11610.9	11258.0
35°	13871.1	14073.1	13914.2	13704.1	13539.7	13477.8	13421.2	13122.2	12947.1	12658.8	12176.6
32.5°	14951.4	15099.5	14902.9	14684.7	14485.3	14399.1	14199.8	13844.2	13749.9	13143.7	12701.9
30°	15234.2	15223.5	15018.7	14851.7	14636.2	14576.9	14210.5	13908.8	13607.1	13046.8	12626.5
27.5°	14560.7	14493.4	14296.7	14151.3	13938.4	13868.4	13507.4	13345.8	12879.7	12405.6	12050.0
25°	13060.2	13095.2	12947.1	12874.3	12734.3	12583.4	12440.6	12222.4	11931.5	11516.6	11190.6
22.5°	11877.6	11923.4	11861.4	11775.2	11667.5	11583.9	11476.2	11306.5	11026.3	10770.4	10463.3
20°	11220.3	11206.8	11152.9	11088.3	10985.9	10926.6	10808.1	10665.3	10449.8	10228.9	9897.5
17.5°	10875.4	10791.9	10740.7	10716.5	10662.6	10587.2	10447.1	10301.6	10134.6	9884.1	9641.6
15°	10619.5	10633.0	10592.6	10573.7	10530.6	10425.5	10282.8	10164.2	9937.9	9811.3	9590.4
12.5°	10603.3	10589.9	10592.6	10584.5	10530.6	10395.9	10323.2	10172.3	10026.8	9859.8	9606.6
10°	10794.6	10651.8	10662.6	10700.3	10614.1	10506.4	10428.2	10263.9	10126.5	9913.7	9663.2
7.5°	10783.8	10711.1	10732.7	10670.7	10697.6	10565.6	10457.9	10293.5	10121.1	9894.8	9668.6
5°	10848.5	10738.0	10719.2	10724.6	10657.2	10557.6	10412.1	10255.8	10094.2	9841.0	9609.3
2.5°	10700.3	10716.5	10630.3	10598.0	10589.9	10422.9	10288.2	10137.3	9970.3	9746.7	9539.2
0°	10589.9	10619.5	10530.6	10484.8	10482.1	10339.3	10253.1	10080.7	9962.2	9776.3	9525.8
-2.5°	10530.6	10565.6	10576.4	10492.9	10412.1	10301.6	10156.2	9970.3	9776.3	9560.8	9345.3
-5°	10536.0	10466.0	10436.3	10463.3	10393.2	10282.8	10121.1	9956.8	9765.5	9533.9	9264.5
-7.5°	10323.2	10253.1	10247.7	10234.3	10218.1	10113.1	9978.4	9800.6	9606.6	9391.1	9140.5
-10°	10005.3	9954.1	9940.6	9927.2	9884.1	9822.1	9695.5	9533.9	9358.7	9143.2	8876.5
-12.5°	9652.4	9628.1	9577.0	9541.9	9498.8	9426.1	9304.9	9156.7	8981.6	8790.3	8561.3
-15°	9261.8	9216.0	9164.8	9135.2	9073.2	8987.0	8865.8	8728.4	8537.1	8348.5	8133.0
-17.5°	8790.3	8733.8	8677.2	8669.1	8626.0	8494.0	8380.8	8213.8	8046.8	7866.3	7656.2
-20°	8235.4	8157.3	8119.5	8098.0	8038.7	7941.7	7820.5	7667.0	7505.3	7332.9	7090.5



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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°	7621.2	7553.8	7489.2	7448.7	7397.6	7322.1	7206.3	7071.6	6912.7	6718.7	6495.1
-25°	6923.4	6829.1	6788.7	6742.9	6716.0	6646.0	6532.8	6408.9	6244.6	6056.0	5843.2
-27.5°	6126.0	6050.6	6029.0	5964.4	5932.1	5859.3	5765.0	5649.2	5498.3	5320.5	5145.4
-30°	5245.1	5199.3	5164.3	5099.6	5075.4	4997.3	4935.3	4838.3	4700.9	4574.3	4434.2
-32.5°	4339.9	4294.1	4283.4	4253.7	4237.6	4186.4	4116.3	4046.3	3935.8	3841.6	3728.4
-35°	3537.1	3504.8	3507.5	3504.8	3488.7	3450.9	3364.7	3345.9	3265.1	3178.8	3106.1
-37.5°	2896.0	2898.7	2896.0	2893.3	2871.7	2855.6	2793.6	2769.4	2720.9	2637.4	2594.3
-40°	2413.8	2419.2	2416.5	2411.1	2386.8	2378.7	2338.3	2306.0	2287.2	2227.9	2182.1
-42.5°	2023.1	2031.2	2028.5	2025.8	2009.7	2007.0	1985.4	1947.7	1936.9	1901.9	1853.4
-45°	1726.8	1724.1	1718.7	1724.1	1716.0	1708.0	1694.5	1670.2	1656.8	1640.6	1600.2
-47.5°	1492.4	1495.1	1489.7	1489.7	1479.0	1470.9	1465.5	1449.3	1438.6	1425.1	1400.8
-50°	1298.5	1309.3	1306.6	1303.9	1295.8	1290.4	1290.4	1274.2	1258.1	1252.7	1236.5
-52.5°	1147.6	1155.7	1158.4	1163.8	1166.5	1169.2	1161.1	1144.9	1118.0	1115.3	1107.2
-55°	1010.2	1034.5	1050.6	1061.4	1072.2	1080.3	1064.1	1042.6	1015.6	1004.8	1002.1
-57.5°	915.9	940.2	959.0	975.2	988.7	1002.1	986.0	964.4	940.2	926.7	924.0
-60°	829.7	851.3	870.1	891.7	910.6	932.1	924.0	907.9	894.4	883.6	872.8
-62.5°	738.1	759.7	781.2	808.2	832.4	854.0	856.7	854.0	851.3	854.0	835.1
-65°	662.7	673.5	687.0	716.6	743.5	767.8	781.2	789.3	802.8	816.3	797.4
-67.5°	581.9	595.4	611.5	633.1	654.6	670.8	689.6	711.2	732.8	754.3	740.8
-70°	509.2	519.9	533.4	544.2	557.6	568.4	584.6	608.8	633.1	654.6	649.2
-72.5°	433.7	444.5	452.6	458.0	466.1	471.4	479.5	501.1	517.2	528.0	528.0
-75°	358.3	369.1	377.2	379.8	385.2	387.9	393.3	401.4	409.5	412.2	414.9
-77.5°	274.8	285.6	293.6	299.0	304.4	309.8	312.5	317.9	320.6	320.6	323.3
-80°	204.7	212.8	218.2	226.3	229.0	234.4	239.8	242.5	245.1	245.1	247.8
-82.5°	145.5	150.9	156.2	161.6	167.0	169.7	175.1	177.8	180.5	183.2	185.9
-85°	97.0	102.4	107.8	113.1	115.8	118.5	121.2	123.9	126.6	129.3	132.0
-87.5°	56.6	59.3	62.0	67.3	70.0	75.4	78.1	75.4	78.1	78.1	78.1
-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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**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°	105.1	105.1	105.1	105.1	102.4	97.0	94.3	88.9	83.5	78.1	72.7
85°	218.2	220.9	220.9	220.9	215.5	212.8	204.7	196.7	185.9	169.7	156.2
82.5°	363.7	366.4	366.4	363.7	358.3	350.2	339.4	326.0	304.4	282.9	264.0
80°	546.9	549.6	549.6	546.9	533.4	519.9	506.5	490.3	463.4	433.7	401.4
77.5°	765.1	770.5	770.5	762.4	743.5	727.4	705.8	678.9	638.5	595.4	552.3
75°	1018.3	1031.8	1034.5	1026.4	1002.1	972.5	937.5	891.7	829.7	775.9	724.7
72.5°	1311.9	1325.4	1336.2	1325.4	1290.4	1250.0	1198.8	1144.9	1083.0	1010.2	924.0
70°	1697.2	1710.7	1718.7	1683.7	1621.8	1554.4	1492.4	1430.5	1357.7	1268.8	1174.6
67.5°	2182.1	2168.6	2152.5	2082.4	2004.3	1923.5	1837.3	1745.7	1651.4	1557.1	1446.6
65°	2648.1	2610.4	2575.4	2491.9	2392.2	2287.2	2187.5	2085.1	1972.0	1853.4	1748.4
62.5°	3138.4	3057.6	2971.4	2869.0	2766.7	2650.8	2551.2	2429.9	2303.3	2157.8	2023.1
60°	3620.7	3523.7	3437.5	3310.9	3176.2	3019.9	2912.1	2793.6	2645.4	2489.2	2330.3
57.5°	4086.7	3981.6	3887.4	3776.9	3631.4	3461.7	3343.2	3189.6	3033.4	2836.7	2675.1
55°	4582.4	4477.3	4401.9	4278.0	4119.0	3962.8	3833.5	3671.8	3453.6	3243.5	3044.2
52.5°	5150.8	5067.3	4986.5	4859.9	4668.6	4509.7	4366.9	4186.4	3957.4	3698.8	3459.0
50°	5786.6	5743.5	5657.3	5509.1	5290.9	5150.8	4962.2	4722.5	4477.3	4205.2	3906.2
47.5°	6629.8	6559.7	6438.5	6276.9	6093.7	5883.6	5630.3	5350.2	5002.6	4700.9	4383.0
45°	7637.3	7508.0	7351.8	7133.6	6907.3	6670.2	6392.7	6037.1	5571.1	5177.8	4843.7
42.5°	8728.4	8553.3	8340.4	8054.9	7761.2	7470.3	7171.3	6686.4	6104.5	5651.9	5274.7
40°	9867.9	9644.3	9377.6	8962.7	8636.8	8262.3	7920.2	7195.5	6575.9	6085.6	5684.2
37.5°	10983.2	10700.3	10253.1	9749.4	9369.5	9062.4	8310.8	7535.0	6980.0	6441.2	6034.4
35°	11837.2	11597.4	10808.1	10285.5	9959.5	9474.6	8534.4	7739.7	7152.4	6705.2	6072.1
32.5°	12343.6	11724.0	11031.7	10503.7	10234.3	9439.6	8550.6	7799.0	7233.2	6732.2	5975.2
30°	12230.5	11481.6	10875.4	10433.6	9849.0	9135.2	8399.7	7707.4	7157.8	6551.7	5867.4
27.5°	11548.9	10969.7	10428.2	9967.6	9393.8	8752.6	8073.7	7464.9	6953.1	6365.8	5719.2
25°	10778.5	10253.1	9851.7	9450.3	8906.2	8294.6	7696.6	7257.5	6742.9	6163.7	5525.3
22.5°	10069.9	9692.8	9377.6	8957.4	8426.6	7893.2	7521.5	7066.2	6538.2	5950.9	5325.9
20°	9617.4	9361.4	9000.5	8537.1	8119.5	7785.5	7373.3	6891.1	6346.9	5732.7	5156.2
17.5°	9399.2	9102.8	8701.4	8399.7	8079.1	7712.8	7252.1	6740.2	6161.0	5633.0	5175.1
15°	9286.0	8973.5	8709.5	8413.2	8052.2	7667.0	7155.1	6624.4	6161.0	5673.4	5188.5
12.5°	9310.3	9040.9	8752.6	8429.3	8041.4	7629.2	7165.9	6672.9	6193.4	5703.1	5191.2
10°	9385.7	9102.8	8795.7	8437.4	8046.8	7640.0	7195.5	6702.5	6209.5	5716.5	5185.8
7.5°	9412.6	9105.5	8776.9	8415.9	8033.3	7634.6	7200.9	6710.6	6212.2	5713.8	5169.7
5°	9329.1	9051.6	8733.8	8370.1	7995.6	7607.7	7179.4	6699.8	6190.7	5686.9	5129.3
2.5°	9216.0	8992.4	8688.0	8337.7	7957.9	7570.0	7144.3	6651.3	6142.2	5638.4	5078.1
0°	9197.1	8919.6	8612.5	8300.0	7895.9	7486.5	7063.5	6559.7	6053.3	5546.8	4989.2
-2.5°	9073.2	8779.6	8472.4	8133.0	7777.4	7365.2	6920.7	6427.7	5926.7	5428.3	4892.2
-5°	8978.9	8652.9	8327.0	7960.6	7602.3	7190.1	6729.5	6249.9	5759.6	5274.7	4757.5
-7.5°	8852.3	8518.2	8176.1	7793.6	7405.6	6985.4	6530.1	6050.6	5568.4	5086.2	4590.5
-10°	8596.4	8302.7	7982.1	7586.1	7176.7	6756.4	6303.8	5832.4	5350.2	4862.6	4364.2
-12.5°	8286.6	7976.8	7626.5	7262.9	6896.5	6505.9	6053.3	5589.9	5105.0	4614.7	4119.0
-15°	7885.2	7580.7	7222.5	6866.9	6513.9	6139.5	5740.8	5323.2	4830.2	4348.0	3852.3
-17.5°	7384.1	7098.5	6778.0	6438.5	6088.3	5711.2	5323.2	4970.3	4509.7	4057.1	3566.8
-20°	6845.3	6578.6	6290.4	5969.8	5619.6	5250.5	4884.1	4515.0	4116.3	3717.6	3262.4



REPORT NUMBER: P722211  
 CATALOG NUMBER: IFLD-L-SA7A-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°	6285.0	6015.6	5724.6	5425.6	5102.3	4760.2	4420.8	4067.8	3717.6	3356.6	2971.4
-25°	5638.4	5401.3	5134.6	4843.7	4555.5	4256.4	3933.2	3612.6	3313.5	3001.0	2685.9
-27.5°	4962.2	4744.0	4501.6	4248.3	4000.5	3750.0	3469.8	3173.5	2925.6	2667.0	2405.7
-30°	4251.0	4075.9	3879.3	3658.4	3467.1	3265.1	3030.7	2785.5	2559.2	2362.6	2152.5
-32.5°	3577.6	3429.4	3289.3	3143.8	2955.3	2799.0	2637.4	2456.9	2257.5	2071.6	1920.8
-35°	2998.4	2839.4	2780.1	2672.4	2537.7	2400.3	2281.8	2152.5	2001.6	1837.3	1713.3
-37.5°	2510.8	2416.5	2333.0	2273.7	2184.8	2074.3	1980.0	1885.8	1769.9	1646.0	1522.1
-40°	2130.9	2066.3	1974.7	1945.0	1888.5	1813.0	1716.0	1643.3	1565.2	1470.9	1365.8
-42.5°	1826.5	1778.0	1718.7	1667.5	1643.3	1589.4	1514.0	1444.0	1382.0	1317.3	1236.5
-45°	1576.0	1543.6	1505.9	1460.1	1441.3	1398.2	1344.3	1266.2	1231.1	1177.3	1118.0
-47.5°	1373.9	1357.7	1330.8	1301.2	1274.2	1241.9	1193.4	1144.9	1096.4	1061.4	1015.6
-50°	1215.0	1204.2	1188.0	1163.8	1128.8	1107.2	1074.9	1031.8	986.0	956.3	924.0
-52.5°	1088.4	1077.6	1066.8	1047.9	1021.0	999.5	972.5	937.5	899.8	870.1	843.2
-55°	991.4	975.2	967.1	951.0	929.4	905.2	880.9	856.7	824.3	797.4	770.5
-57.5°	915.9	894.4	883.6	870.1	848.6	824.3	805.5	781.2	759.7	730.1	705.8
-60°	856.7	832.4	810.9	797.4	778.5	754.3	735.4	716.6	695.0	670.8	641.2
-62.5°	808.2	778.5	748.9	732.8	713.9	692.3	673.5	654.6	633.1	608.8	581.9
-65°	762.4	727.4	689.6	673.5	654.6	633.1	608.8	595.4	576.5	555.0	528.0
-67.5°	705.8	668.1	635.8	616.9	598.1	579.2	557.6	544.2	525.3	498.4	471.4
-70°	622.3	598.1	576.5	560.3	544.2	528.0	506.5	484.9	463.4	439.1	414.9
-72.5°	517.2	509.2	506.5	498.4	479.5	460.7	439.1	417.6	398.7	379.8	361.0
-75°	417.6	422.9	428.3	425.6	406.8	387.9	369.1	350.2	336.7	320.6	304.4
-77.5°	331.4	336.7	342.1	342.1	328.7	317.9	304.4	290.9	280.2	266.7	250.5
-80°	255.9	264.0	272.1	277.5	266.7	258.6	247.8	237.1	226.3	215.5	204.7
-82.5°	194.0	202.0	210.1	215.5	207.4	202.0	194.0	185.9	177.8	167.0	158.9
-85°	140.1	145.5	150.9	153.6	148.2	142.8	137.4	132.0	126.6	118.5	113.1
-87.5°	80.8	83.5	86.2	88.9	83.5	78.1	75.4	70.0	67.3	62.0	59.3
-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: P722211  
 CATALOG NUMBER: IFLD-L-SA7A-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°	67.3	62.0	56.6	53.9	48.5	40.4	35.0	29.6	24.2	18.9	16.2
85°	142.8	129.3	113.1	105.1	94.3	83.5	72.7	62.0	51.2	40.4	29.6
82.5°	245.1	229.0	212.8	194.0	169.7	140.1	110.5	91.6	75.4	59.3	45.8
80°	369.1	339.4	312.5	288.3	261.3	223.6	183.2	145.5	102.4	78.1	59.3
77.5°	511.8	476.8	439.1	398.7	355.6	304.4	258.6	210.1	158.9	107.8	75.4
75°	673.5	627.7	576.5	519.9	463.4	396.0	331.4	274.8	215.5	150.9	91.6
72.5°	854.0	797.4	735.4	660.0	571.1	493.0	414.9	339.4	269.4	191.3	123.9
70°	1085.7	996.8	905.2	824.3	711.2	587.3	495.7	409.5	320.6	234.4	156.2
67.5°	1333.5	1225.7	1115.3	996.8	854.0	708.5	576.5	479.5	374.5	274.8	185.9
65°	1602.9	1468.2	1328.1	1196.1	999.5	827.0	678.9	546.9	425.6	312.5	215.5
62.5°	1880.4	1721.4	1559.8	1387.4	1161.1	948.3	775.9	622.3	474.1	347.5	242.5
60°	2176.7	1990.8	1794.2	1578.6	1314.6	1080.3	867.4	700.4	525.3	382.5	272.1
57.5°	2489.2	2287.2	2055.5	1764.5	1473.6	1206.9	972.5	770.5	571.1	414.9	293.6
55°	2828.6	2597.0	2343.7	1958.5	1629.8	1333.5	1077.6	840.5	619.6	441.8	315.2
52.5°	3195.0	2925.6	2605.0	2163.2	1794.2	1462.8	1174.6	902.5	665.4	471.4	334.0
50°	3604.5	3265.1	2834.0	2351.8	1936.9	1584.0	1271.5	969.8	703.1	503.8	350.2
47.5°	4030.1	3663.8	3038.8	2526.9	2082.4	1702.6	1371.2	1029.1	740.8	530.7	366.4
45°	4474.6	3941.2	3251.6	2683.2	2209.0	1810.3	1446.6	1083.0	786.6	555.0	379.8
42.5°	4913.7	4151.4	3437.5	2839.4	2327.6	1907.3	1508.6	1134.1	824.3	579.2	393.3
40°	5121.2	4310.3	3585.6	2947.2	2427.2	1993.5	1562.5	1179.9	856.7	595.4	406.8
37.5°	5207.4	4407.3	3682.6	3049.5	2505.4	2039.3	1608.3	1220.4	883.6	611.5	417.6
35°	5226.2	4442.3	3731.1	3119.6	2570.0	2082.4	1643.3	1250.0	905.2	627.7	428.3
32.5°	5191.2	4431.5	3744.6	3143.8	2610.4	2114.7	1667.5	1271.5	921.3	643.9	439.1
30°	5113.1	4375.0	3696.1	3141.1	2640.1	2133.6	1683.7	1287.7	937.5	654.6	444.5
27.5°	4986.5	4275.3	3634.1	3143.8	2656.2	2141.7	1691.8	1295.8	948.3	662.7	455.3
25°	4830.2	4140.6	3636.8	3138.4	2658.9	2144.4	1691.8	1295.8	951.0	665.4	463.4
22.5°	4649.7	4140.6	3636.8	3130.4	2642.8	2139.0	1683.7	1290.4	951.0	670.8	471.4
20°	4660.5	4143.3	3628.7	3114.2	2618.5	2122.8	1664.9	1276.9	942.9	678.9	476.8
17.5°	4668.6	4137.9	3612.6	3092.6	2586.2	2095.9	1640.6	1258.1	942.9	687.0	479.5
15°	4668.6	4121.7	3588.3	3060.3	2545.8	2058.2	1605.6	1241.9	945.6	689.6	484.9
12.5°	4660.5	4092.1	3550.6	3017.2	2497.3	2012.4	1584.0	1236.5	945.6	692.3	484.9
10°	4644.4	4051.7	3502.1	2963.3	2451.5	1996.2	1573.3	1225.7	940.2	692.3	484.9
7.5°	4614.7	4003.2	3461.7	2931.0	2424.5	1977.4	1557.1	1209.6	932.1	687.0	490.3
5°	4568.9	3976.3	3429.4	2893.3	2386.8	1963.9	1546.3	1196.1	926.7	687.0	484.9
2.5°	4509.7	3943.9	3391.7	2844.8	2343.7	1918.1	1511.3	1166.5	907.9	676.2	479.5
0°	4412.7	3879.3	3327.0	2777.5	2284.5	1872.3	1476.3	1136.8	889.0	665.4	474.1
-2.5°	4323.8	3793.1	3243.5	2707.4	2227.9	1831.9	1449.3	1120.7	880.9	662.7	471.4
-5°	4199.9	3674.5	3133.1	2615.8	2152.5	1791.5	1422.4	1101.8	872.8	657.3	471.4
-7.5°	4062.5	3550.6	3017.2	2521.5	2077.0	1721.4	1371.2	1072.2	854.0	646.5	468.7
-10°	3849.6	3364.7	2871.7	2413.8	1996.2	1659.5	1328.1	1045.2	837.8	635.8	458.0
-12.5°	3623.3	3160.0	2704.7	2281.8	1904.6	1594.8	1279.6	1015.6	819.0	625.0	452.6
-15°	3383.6	2949.9	2529.6	2144.4	1804.9	1516.7	1228.4	983.3	800.1	611.5	444.5
-17.5°	3133.1	2729.0	2349.1	2004.3	1705.3	1435.9	1174.6	953.7	778.5	598.1	436.4
-20°	2869.0	2502.7	2165.9	1861.5	1600.2	1355.1	1118.0	918.6	754.3	581.9	425.6



REPORT NUMBER: P722211  
 CATALOG NUMBER: IFLD-L-SA7A-830-U-76

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
-22.5°	2607.7	2279.1	1977.4	1721.4	1492.4	1271.5	1061.4	883.6	727.4	563.0	417.6
-25°	2376.1	2068.9	1810.3	1586.7	1387.4	1190.7	1002.1	848.6	697.7	544.2	406.8
-27.5°	2149.8	1888.5	1646.0	1460.1	1285.0	1112.6	945.6	810.9	668.1	522.6	396.0
-30°	1939.6	1716.0	1516.7	1336.2	1188.0	1042.6	897.1	773.2	635.8	501.1	382.5
-32.5°	1748.4	1567.9	1400.8	1228.4	1096.4	972.5	851.3	735.4	603.4	479.5	369.1
-35°	1570.6	1430.5	1285.0	1139.5	1004.8	907.9	802.8	695.0	573.8	455.3	355.6
-37.5°	1411.6	1298.5	1182.6	1058.7	942.9	845.9	757.0	654.6	544.2	433.7	342.1
-40°	1274.2	1182.6	1080.3	980.6	883.6	792.0	711.2	614.2	514.5	417.6	328.7
-42.5°	1147.6	1077.6	994.1	910.6	824.3	743.5	665.4	571.1	484.9	398.7	315.2
-45°	1050.6	980.6	913.2	837.8	765.1	695.0	616.9	533.4	458.0	377.2	301.7
-47.5°	959.0	897.1	835.1	773.2	713.9	649.2	571.1	501.1	428.3	358.3	290.9
-50°	878.2	819.0	765.1	711.2	660.0	598.1	525.3	468.7	404.1	339.4	277.5
-52.5°	802.8	751.6	697.7	654.6	611.5	549.6	490.3	436.4	379.8	317.9	264.0
-55°	735.4	687.0	638.5	598.1	557.6	503.8	455.3	409.5	355.6	301.7	250.5
-57.5°	670.8	630.4	584.6	546.9	506.5	463.4	422.9	379.8	331.4	285.6	237.1
-60°	611.5	573.8	533.4	495.7	460.7	425.6	387.9	352.9	309.8	266.7	223.6
-62.5°	552.3	519.9	484.9	447.2	420.3	387.9	358.3	323.3	288.3	250.5	199.4
-65°	498.4	468.7	436.4	404.1	379.8	355.6	328.7	296.3	266.7	231.7	177.8
-67.5°	444.5	417.6	390.6	363.7	342.1	323.3	296.3	272.1	247.8	210.1	156.2
-70°	393.3	371.8	347.5	326.0	309.8	288.3	269.4	247.8	226.3	183.2	132.0
-72.5°	344.8	323.3	304.4	288.3	274.8	255.9	239.8	223.6	194.0	153.6	110.5
-75°	288.3	274.8	264.0	250.5	237.1	223.6	210.1	191.3	161.6	123.9	86.2
-77.5°	237.1	229.0	220.9	210.1	199.4	188.6	172.4	153.6	129.3	97.0	70.0
-80°	194.0	185.9	180.5	169.7	161.6	150.9	134.7	118.5	94.3	75.4	56.6
-82.5°	148.2	142.8	137.4	132.0	123.9	113.1	97.0	83.5	70.0	56.6	43.1
-85°	105.1	102.4	97.0	91.6	83.5	75.4	64.7	56.6	48.5	37.7	29.6
-87.5°	53.9	51.2	48.5	45.8	43.1	37.7	32.3	26.9	24.2	18.9	13.5
-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):**

	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0
87.5°	10.8	8.1	2.7	0.0
85°	21.6	13.5	5.4	0.0
82.5°	32.3	21.6	8.1	0.0
80°	43.1	26.9	13.5	0.0
77.5°	53.9	32.3	16.2	0.0
75°	64.7	40.4	18.9	0.0
72.5°	72.7	45.8	21.6	0.0
70°	86.2	53.9	24.2	0.0
67.5°	107.8	59.3	26.9	0.0
65°	126.6	64.7	29.6	0.0
62.5°	148.2	70.0	32.3	0.0
60°	167.0	75.4	35.0	0.0
57.5°	185.9	88.9	37.7	0.0
55°	202.0	99.7	40.4	0.0
52.5°	220.9	110.5	43.1	0.0
50°	237.1	121.2	45.8	0.0
47.5°	250.5	132.0	45.8	0.0
45°	261.3	140.1	48.5	0.0
42.5°	269.4	148.2	51.2	0.0
40°	277.5	156.2	53.9	0.0
37.5°	285.6	164.3	53.9	0.0
35°	293.6	172.4	56.6	0.0
32.5°	301.7	180.5	56.6	0.0
30°	307.1	185.9	59.3	0.0
27.5°	315.2	191.3	59.3	0.0
25°	317.9	196.7	62.0	0.0
22.5°	323.3	199.4	62.0	0.0
20°	328.7	204.7	62.0	0.0
17.5°	331.4	207.4	64.7	0.0
15°	331.4	210.1	67.3	0.0
12.5°	334.0	212.8	67.3	0.0
10°	334.0	218.2	64.7	0.0
7.5°	339.4	215.5	64.7	0.0
5°	336.7	215.5	64.7	0.0
2.5°	334.0	212.8	64.7	0.0
0°	331.4	212.8	64.7	0.0
-2.5°	331.4	212.8	64.7	0.0
-5°	331.4	212.8	64.7	0.0
-7.5°	328.7	215.5	64.7	0.0
-10°	323.3	215.5	64.7	0.0
-12.5°	320.6	207.4	64.7	0.0
-15°	317.9	204.7	64.7	0.0
-17.5°	312.5	202.0	62.0	0.0
-20°	307.1	199.4	62.0	0.0



REPORT NUMBER: P722211

CATALOG NUMBER: IFLD-L-SA7A-830-U-76

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°
-22.5°	301.7	194.0	62.0	0.0
-25°	296.3	188.6	59.3	0.0
-27.5°	290.9	183.2	59.3	0.0
-30°	282.9	177.8	56.6	0.0
-32.5°	274.8	172.4	56.6	0.0
-35°	269.4	164.3	53.9	0.0
-37.5°	261.3	156.2	53.9	0.0
-40°	253.2	148.2	51.2	0.0
-42.5°	245.1	140.1	48.5	0.0
-45°	234.4	132.0	48.5	0.0
-47.5°	226.3	123.9	45.8	0.0
-50°	212.8	113.1	43.1	0.0
-52.5°	196.7	102.4	40.4	0.0
-55°	180.5	94.3	37.7	0.0
-57.5°	164.3	83.5	37.7	0.0
-60°	148.2	72.7	35.0	0.0
-62.5°	132.0	67.3	32.3	0.0
-65°	115.8	62.0	29.6	0.0
-67.5°	97.0	53.9	26.9	0.0
-70°	80.8	48.5	24.2	0.0
-72.5°	70.0	43.1	21.6	0.0
-75°	59.3	37.7	18.9	0.0
-77.5°	51.2	32.3	16.2	0.0
-80°	40.4	24.2	10.8	0.0
-82.5°	29.6	18.9	8.1	0.0
-85°	18.9	13.5	5.4	0.0
-87.5°	10.8	5.4	2.7	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)