

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: P722215

Luminaire Tested: **IFLD-L-SA7E-830-U-76**

Issue Date: 10/26/2023

Test Information

Test Method: LM-79-2019
Report Number: P722215
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7E-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

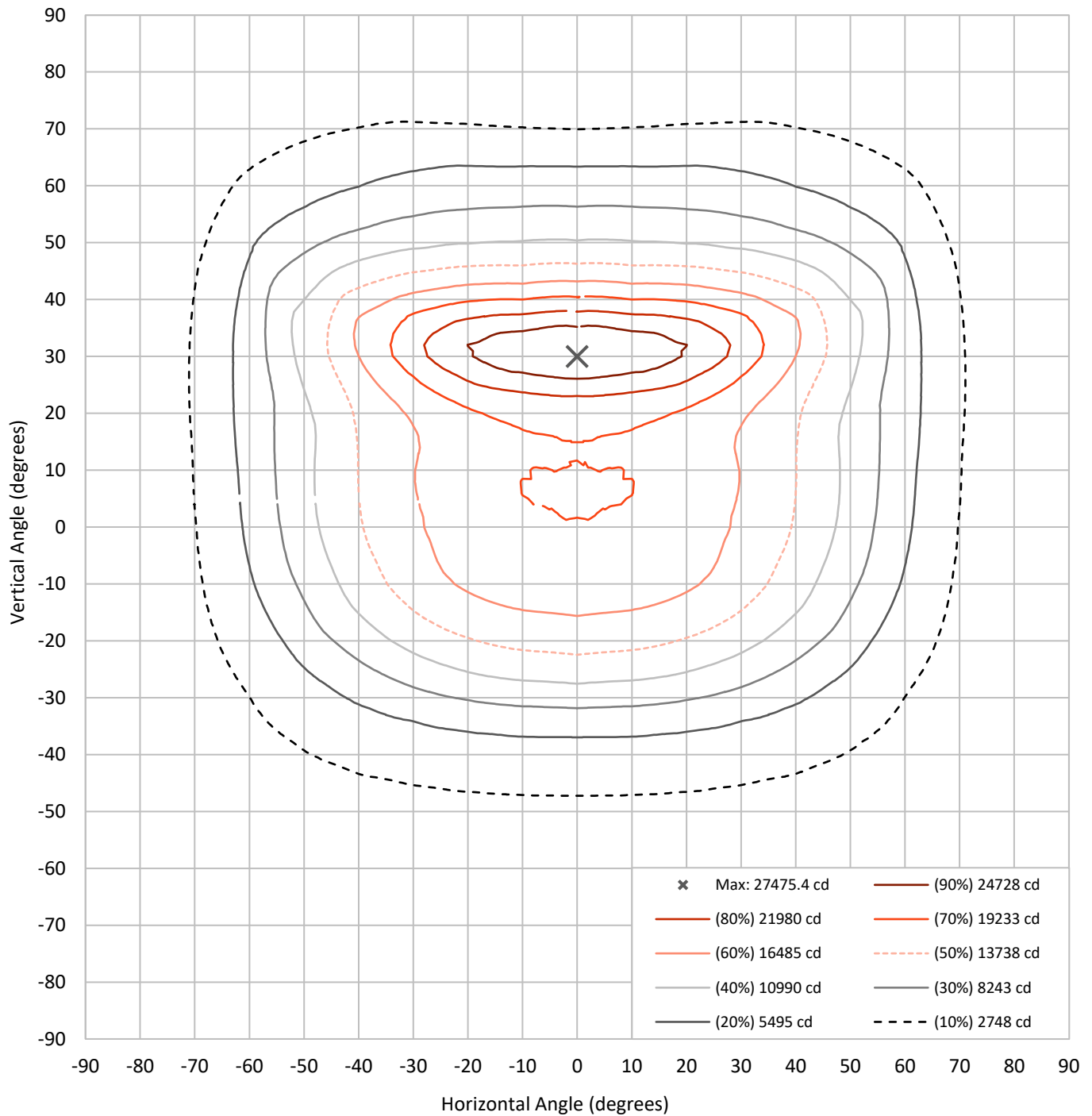
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	45863.3 lumens	Max Intensity:	27475.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	86.1 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')		
Beam Angle (50%):	90.8°H x 68.8°V	Field Angle (10%):	142°H x 117.1°V
Beam Lumens:	26670.1 lumens	Field Lumens:	42979.9 lumens
Beam Efficiency:	58.2%	Field Efficiency:	93.7%

Input Watts (W): 532.7
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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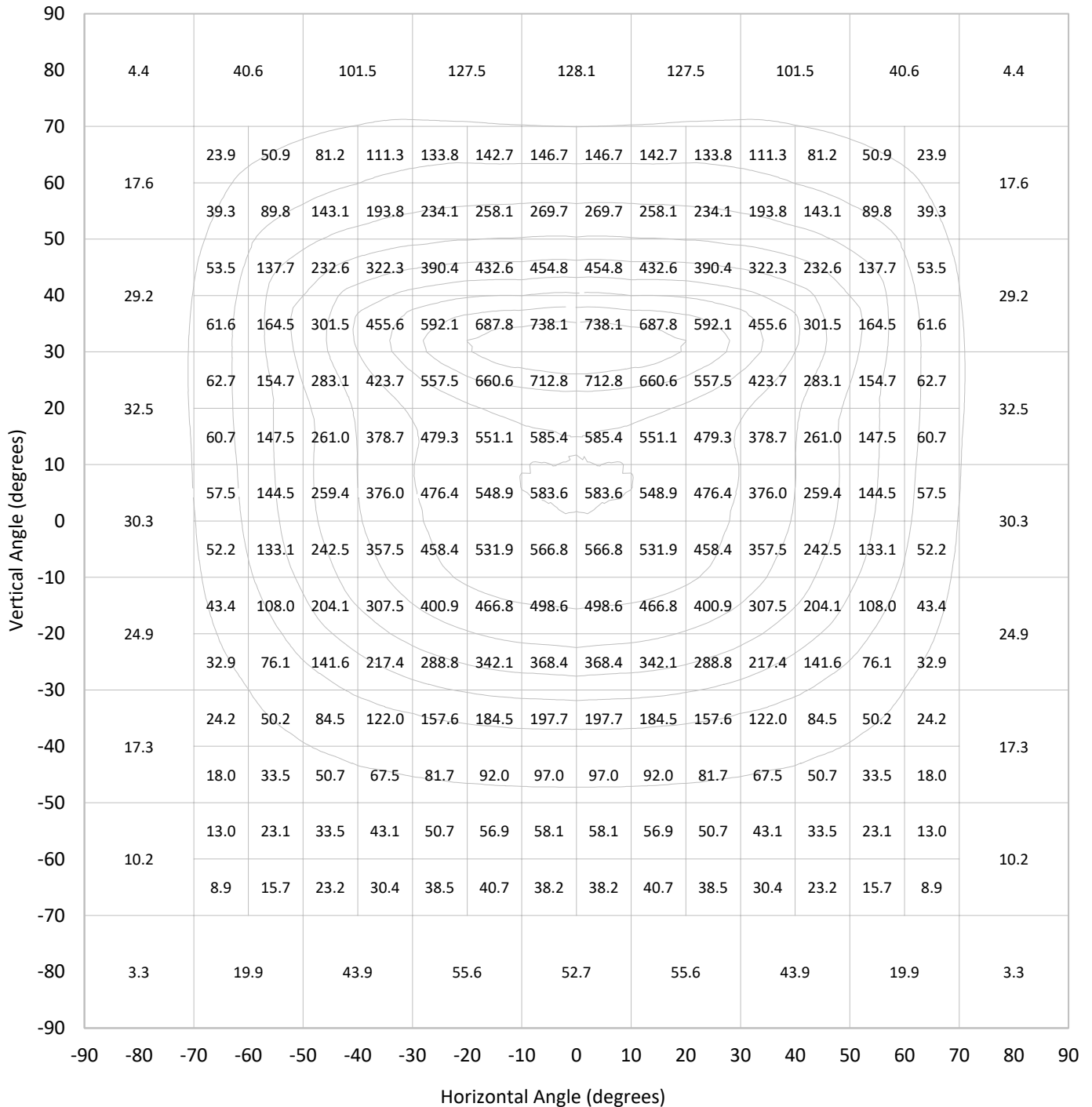
Iso-Candela Plot





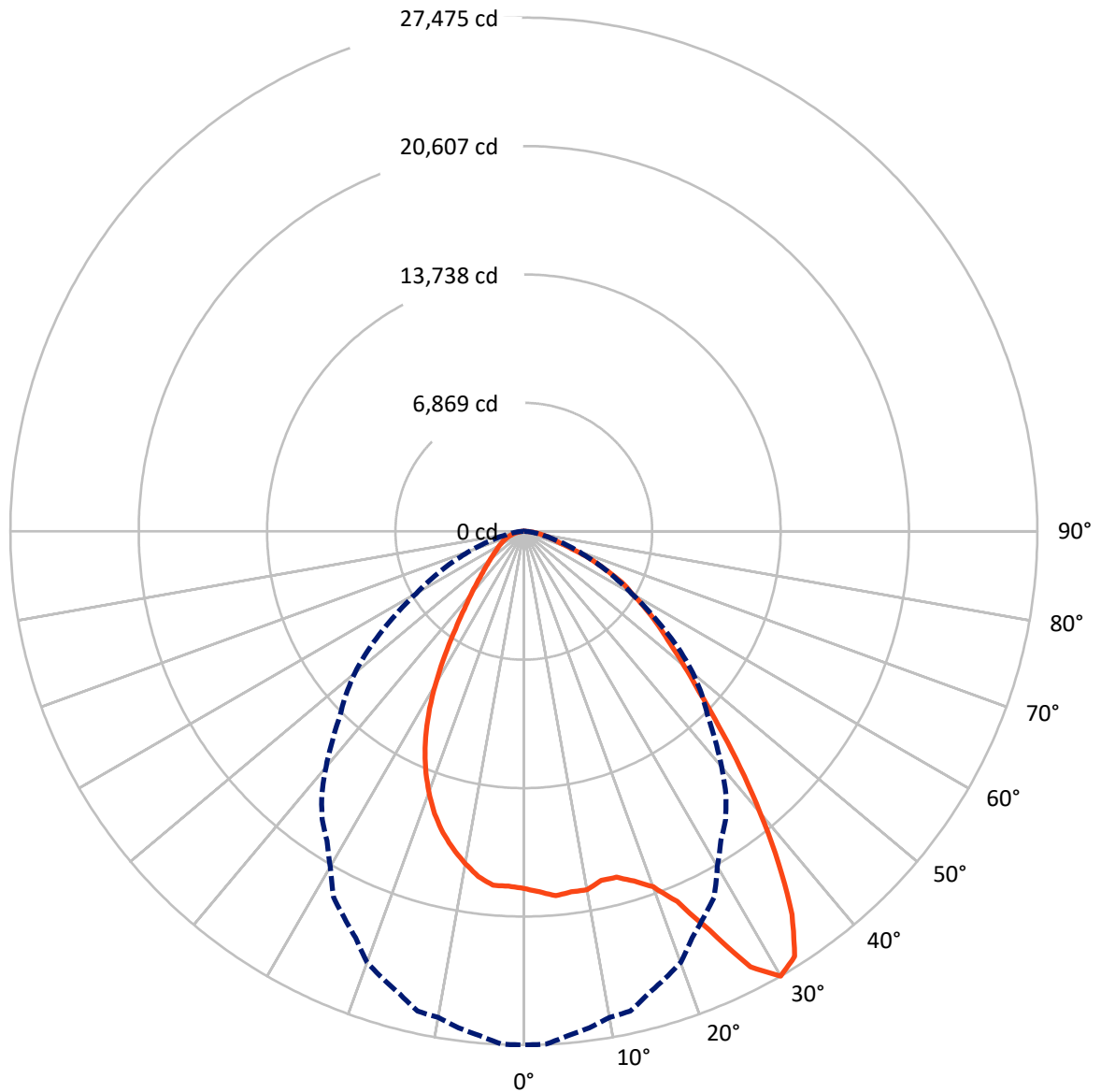
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Lumen Table



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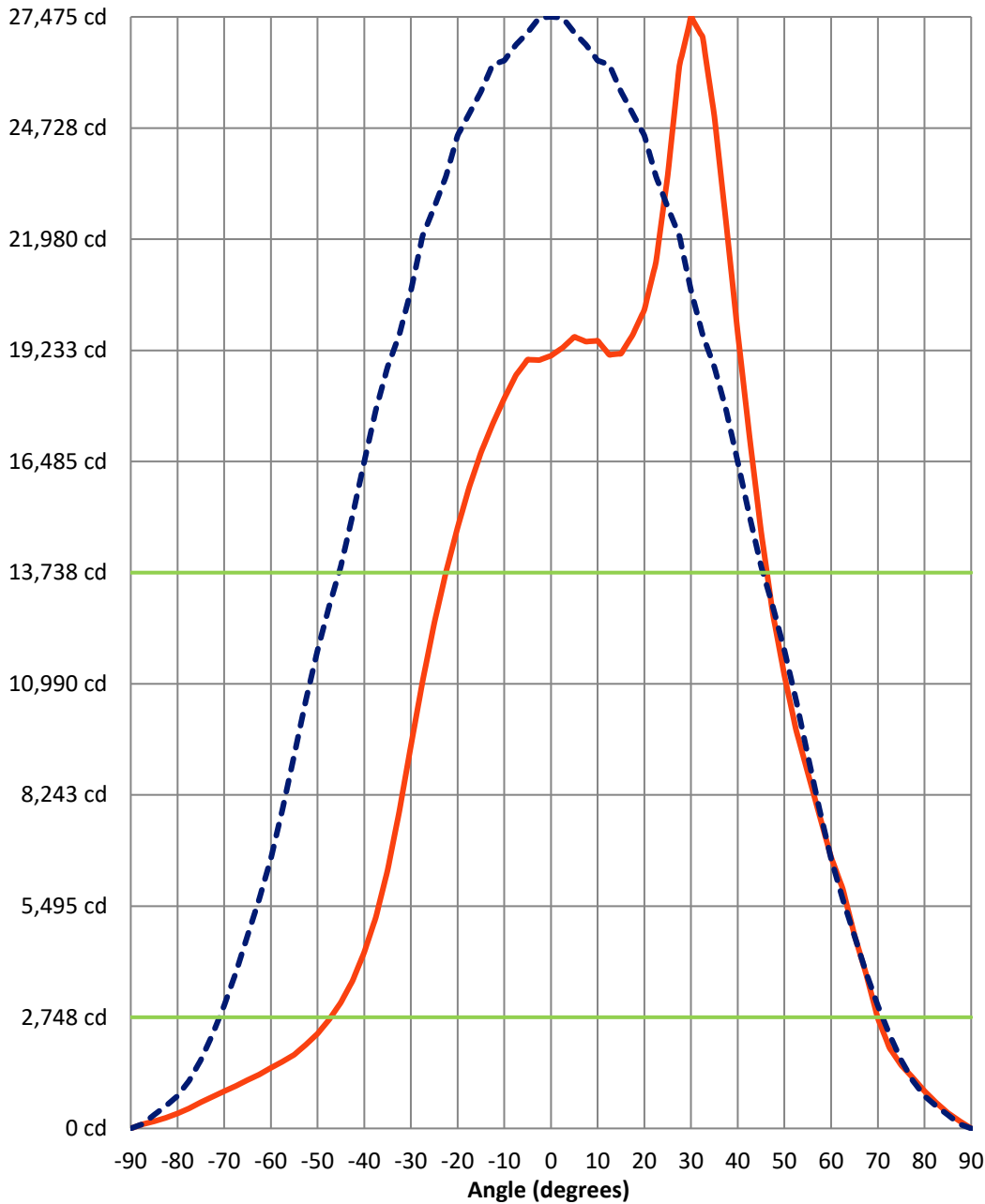
Luminous Intensity Polar Plot



— 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: 26670.1
 Efficiency: 58.2%

Field:
 H Angle: 142°
 V Angle: 117.1°
 Lumens: 42979.9
 Efficiency: 93.7%

Spill:
 Lumens: 2883.5
 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°	184.6	189.5	194.3	194.3	189.5	189.5	189.5	184.6	189.5	189.5	189.5
85°	383.8	393.5	403.3	398.4	393.5	383.8	374.1	379.0	383.8	388.7	388.7
82.5°	636.5	651.1	660.8	655.9	646.2	636.5	626.8	631.6	641.3	646.2	646.2
80°	923.1	928.0	932.9	942.6	928.0	928.0	923.1	942.6	952.3	962.0	971.7
77.5°	1253.5	1258.4	1258.4	1263.2	1268.1	1273.0	1273.0	1307.0	1331.3	1345.8	1360.4
75°	1564.5	1579.0	1593.6	1608.2	1627.6	1637.3	1651.9	1700.5	1739.4	1768.5	1797.7
72.5°	1992.0	2011.5	2035.8	2069.8	2103.8	2128.1	2162.1	2220.4	2264.1	2293.3	2327.3
70°	2725.7	2745.1	2769.4	2793.7	2827.7	2852.0	2886.0	2958.9	3002.6	3022.1	3041.5
67.5°	3814.0	3862.6	3906.3	3857.7	3833.4	3799.4	3809.1	3877.2	3920.9	3950.0	3945.2
65°	4780.9	4814.9	4814.9	4810.0	4790.6	4746.9	4771.1	4853.7	4902.3	4926.6	4853.7
62.5°	5917.8	5917.8	5893.5	5932.4	5937.2	5908.1	5893.5	5898.3	5903.2	5917.8	5796.3
60°	6704.9	6753.5	6768.0	6802.0	6811.8	6811.8	6836.1	6855.5	6855.5	6826.3	6685.4
57.5°	7744.6	7836.9	7856.4	7832.1	7783.5	7720.3	7710.6	7681.5	7623.1	7564.8	7496.8
55°	8794.1	8842.7	8837.8	8823.2	8774.6	8701.8	8711.5	8672.6	8580.3	8507.4	8415.1
52.5°	9848.4	9965.0	9984.4	9955.3	9887.3	9809.5	9814.4	9770.6	9678.3	9600.6	9474.3
50°	11194.2	11291.4	11281.7	11233.1	11135.9	11077.6	11082.5	10999.9	10893.0	10868.7	10703.5
47.5°	12734.4	12846.1	12826.7	12758.7	12627.5	12603.2	12627.5	12520.6	12457.5	12404.0	12209.7
45°	14755.6	14886.8	14813.9	14682.7	14473.8	14498.1	14532.1	14512.6	14376.6	14235.7	13987.9
42.5°	17126.6	17209.2	17121.7	16990.5	16728.2	16776.8	16757.3	16640.7	16558.1	16324.9	16009.1
40°	19662.8	19842.5	19706.5	19502.4	19230.3	19303.2	19249.8	19099.2	18904.8	18613.3	18214.9
37.5°	22398.2	22539.1	22383.6	22145.5	21902.6	21878.3	21771.4	21538.2	21261.2	20940.6	20304.1
35°	25016.9	25381.3	25094.7	24715.7	24419.3	24307.6	24205.6	23666.3	23350.4	22830.6	21960.9
32.5°	26965.2	27232.5	26877.8	26484.2	26124.7	25969.2	25609.7	24968.4	24798.3	23705.1	22908.3
30°	27475.4	27456.0	27086.7	26785.5	26396.8	26289.9	25629.1	25085.0	24540.8	23530.2	22772.3
27.5°	26260.7	26139.3	25784.6	25522.2	25138.4	25012.1	24361.0	24069.5	23229.0	22373.9	21732.5
25°	23554.5	23617.7	23350.4	23219.3	22966.6	22694.5	22437.0	22043.5	21518.7	20770.5	20182.6
22.5°	21421.6	21504.2	21392.4	21237.0	21042.6	20892.0	20697.6	20391.6	19886.3	19424.7	18870.8
20°	20236.1	20211.8	20114.6	19998.0	19813.4	19706.5	19492.7	19235.2	18846.5	18448.1	17850.5
17.5°	19614.2	19463.6	19371.2	19327.5	19230.3	19094.3	18841.7	18579.3	18278.1	17826.2	17388.9
15°	19152.6	19176.9	19104.0	19070.0	18992.3	18802.8	18545.3	18331.5	17923.4	17695.0	17296.6
12.5°	19123.5	19099.2	19104.0	19089.4	18992.3	18749.3	18618.2	18346.1	18083.7	17782.5	17325.8
10°	19468.4	19210.9	19230.3	19298.4	19142.9	18948.5	18807.6	18511.3	18263.5	17879.7	17427.8
7.5°	19449.0	19317.8	19356.7	19244.9	19293.5	19055.4	18861.1	18564.7	18253.8	17845.6	17437.5
5°	19565.6	19366.4	19332.4	19342.1	19220.6	19040.9	18778.5	18496.7	18205.2	17748.5	17330.6
2.5°	19298.4	19327.5	19172.0	19113.7	19099.2	18797.9	18555.0	18282.9	17981.7	17578.4	17204.3
0°	19099.2	19152.6	18992.3	18909.7	18904.8	18647.3	18491.8	18180.9	17967.1	17631.9	17180.0
-2.5°	18992.3	19055.4	19074.9	18924.3	18778.5	18579.3	18316.9	17981.7	17631.9	17243.2	16854.5
-5°	19002.0	18875.7	18822.2	18870.8	18744.5	18545.3	18253.8	17957.4	17612.4	17194.6	16708.7
-7.5°	18618.2	18491.8	18482.1	18457.8	18428.7	18239.2	17996.3	17675.6	17325.8	16937.1	16485.2
-10°	18044.8	17952.5	17928.2	17903.9	17826.2	17714.5	17486.1	17194.6	16878.8	16490.1	16009.1
-12.5°	17408.4	17364.6	17272.3	17209.2	17131.4	17000.2	16781.6	16514.4	16198.6	15853.6	15440.6
-15°	16703.9	16621.3	16529.0	16475.5	16363.8	16208.3	15989.7	15741.9	15396.9	15056.8	14668.1
-17.5°	15853.6	15751.6	15649.6	15635.0	15557.2	15319.2	15115.1	14813.9	14512.6	14187.1	13808.1
-20°	14852.7	14711.8	14643.8	14605.0	14498.1	14323.2	14104.5	13827.6	13536.1	13225.1	12787.8



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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°	13745.0	13623.5	13506.9	13434.0	13341.7	13205.7	12996.8	12753.8	12467.2	12117.4	11714.1
-25°	12486.6	12316.6	12243.7	12161.1	12112.5	11986.2	11782.1	11558.6	11262.2	10922.1	10538.3
-27.5°	11048.5	10912.4	10873.6	10756.9	10698.6	10567.5	10397.4	10188.5	9916.4	9595.7	9279.9
-30°	9459.7	9377.1	9313.9	9197.3	9153.6	9012.7	8901.0	8726.0	8478.3	8249.9	7997.3
-32.5°	7827.2	7744.6	7725.2	7671.7	7642.6	7550.3	7423.9	7297.6	7098.4	6928.4	6724.3
-35°	6379.3	6321.0	6325.9	6321.0	6291.9	6223.9	6068.4	6034.4	5888.6	5733.2	5602.0
-37.5°	5223.0	5227.9	5223.0	5218.1	5179.3	5150.1	5038.4	4994.6	4907.2	4756.6	4678.8
-40°	4353.3	4363.0	4358.2	4348.4	4304.7	4290.1	4217.3	4159.0	4125.0	4018.1	3935.5
-42.5°	3648.8	3663.4	3658.5	3653.7	3624.5	3619.7	3580.8	3512.8	3493.3	3430.2	3342.7
-45°	3114.4	3109.5	3099.8	3109.5	3094.9	3080.4	3056.1	3012.3	2988.0	2958.9	2886.0
-47.5°	2691.7	2696.5	2686.8	2686.8	2667.4	2652.8	2643.1	2613.9	2594.5	2570.2	2526.5
-50°	2341.8	2361.3	2356.4	2351.6	2337.0	2327.3	2327.3	2298.1	2269.0	2259.3	2230.1
-52.5°	2069.8	2084.3	2089.2	2098.9	2103.8	2108.6	2094.1	2064.9	2016.3	2011.5	1996.9
-55°	1822.0	1865.7	1894.9	1914.3	1933.7	1948.3	1919.1	1880.3	1831.7	1812.3	1807.4
-57.5°	1651.9	1695.7	1729.7	1758.8	1783.1	1807.4	1778.2	1739.4	1695.7	1671.4	1666.5
-60°	1496.4	1535.3	1569.3	1608.2	1642.2	1681.1	1666.5	1637.3	1613.1	1593.6	1574.2
-62.5°	1331.3	1370.1	1409.0	1457.6	1501.3	1540.2	1545.0	1540.2	1535.3	1540.2	1506.2
-65°	1195.2	1214.7	1238.9	1292.4	1341.0	1384.7	1409.0	1423.6	1447.9	1472.2	1438.1
-67.5°	1049.5	1073.8	1102.9	1141.8	1180.6	1209.8	1243.8	1282.7	1321.5	1360.4	1336.1
-70°	918.3	937.7	962.0	981.4	1005.7	1025.2	1054.3	1098.0	1141.8	1180.6	1170.9
-72.5°	782.2	801.7	816.2	826.0	840.5	850.3	864.8	903.7	932.9	952.3	952.3
-75°	646.2	665.6	680.2	685.1	694.8	699.6	709.4	723.9	738.5	743.4	748.2
-77.5°	495.6	515.0	529.6	539.3	549.0	558.7	563.6	573.3	578.2	578.2	583.0
-80°	369.3	383.8	393.5	408.1	413.0	422.7	432.4	437.3	442.1	442.1	447.0
-82.5°	262.4	272.1	281.8	291.5	301.2	306.1	315.8	320.7	325.5	330.4	335.2
-85°	174.9	184.6	194.3	204.1	208.9	213.8	218.6	223.5	228.4	233.2	238.1
-87.5°	102.0	106.9	111.7	121.5	126.3	136.0	140.9	136.0	140.9	140.9	140.9
-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):

	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°	189.5	189.5	189.5	189.5	184.6	174.9	170.1	160.3	150.6	140.9	131.2
85°	393.5	398.4	398.4	398.4	388.7	383.8	369.3	354.7	335.2	306.1	281.8
82.5°	655.9	660.8	660.8	655.9	646.2	631.6	612.2	587.9	549.0	510.2	476.1
80°	986.3	991.2	991.2	986.3	962.0	937.7	913.4	884.3	835.7	782.2	723.9
77.5°	1379.8	1389.6	1389.6	1375.0	1341.0	1311.8	1273.0	1224.4	1151.5	1073.8	996.0
75°	1836.6	1860.8	1865.7	1851.1	1807.4	1754.0	1690.8	1608.2	1496.4	1399.3	1307.0
72.5°	2366.1	2390.4	2409.9	2390.4	2327.3	2254.4	2162.1	2064.9	1953.2	1822.0	1666.5
70°	3060.9	3085.2	3099.8	3036.6	2924.9	2803.4	2691.7	2579.9	2448.7	2288.4	2118.4
67.5°	3935.5	3911.2	3882.0	3755.7	3614.8	3469.0	3313.6	3148.4	2978.3	2808.3	2609.1
65°	4776.0	4708.0	4644.8	4494.2	4314.4	4125.0	3945.2	3760.6	3556.5	3342.7	3153.2
62.5°	5660.3	5514.5	5359.0	5174.4	4989.8	4780.9	4601.1	4382.5	4154.1	3891.7	3648.8
60°	6530.0	6355.1	6199.6	5971.2	5728.3	5446.5	5252.1	5038.4	4771.1	4489.3	4202.7
57.5°	7370.5	7181.0	7011.0	6811.8	6549.4	6243.3	6029.5	5752.6	5470.8	5116.1	4824.6
55°	8264.5	8075.0	7939.0	7715.5	7428.8	7147.0	6913.8	6622.3	6228.7	5849.8	5490.2
52.5°	9289.6	9139.0	8993.3	8764.9	8420.0	8133.3	7875.8	7550.3	7137.3	6670.9	6238.4
50°	10436.3	10358.5	10203.1	9935.8	9542.3	9289.6	8949.5	8517.1	8075.0	7584.3	7045.0
47.5°	11957.0	11830.7	11612.1	11320.5	10990.2	10611.2	10154.5	9649.2	9022.4	8478.3	7904.9
45°	13774.1	13540.9	13259.1	12865.6	12457.5	12029.9	11529.5	10888.1	10047.6	9338.2	8735.8
42.5°	15741.9	15426.1	15042.2	14527.2	13997.6	13472.9	12933.6	12059.1	11009.6	10193.3	9513.1
40°	17797.1	17393.8	16912.8	16164.6	15576.7	14901.3	14284.3	12977.3	11859.8	10975.6	10251.7
37.5°	19808.5	19298.4	18491.8	17583.3	16898.2	16344.3	14988.8	13589.5	12588.6	11616.9	10883.3
35°	21348.7	20916.3	19492.7	18550.1	17962.3	17087.7	15392.1	13958.8	12899.6	12093.1	10951.3
32.5°	22262.1	21144.6	19896.0	18943.7	18457.8	17024.5	15421.2	14065.7	13045.3	12141.6	10776.4
30°	22058.1	20707.4	19614.2	18817.4	17763.1	16475.5	15149.1	13900.5	12909.3	11816.1	10582.0
27.5°	20828.8	19784.2	18807.6	17976.8	16941.9	15785.6	14561.2	13463.2	12540.1	11480.9	10314.8
25°	19439.3	18491.8	17767.9	17044.0	16062.5	14959.6	13881.0	13089.1	12161.1	11116.5	9965.0
22.5°	18161.5	17481.3	16912.8	16154.9	15197.7	14235.7	13565.2	12744.1	11791.8	10732.7	9605.5
20°	17345.2	16883.6	16232.6	15396.9	14643.8	14041.4	13298.0	12428.3	11446.9	10339.1	9299.4
17.5°	16951.7	16417.2	15693.3	15149.1	14570.9	13910.2	13079.4	12156.2	11111.6	10159.3	9333.4
15°	16747.6	16184.0	15707.9	15173.4	14522.4	13827.6	12904.4	11947.3	11111.6	10232.2	9357.7
12.5°	16791.3	16305.5	15785.6	15202.6	14502.9	13759.6	12923.9	12034.8	11169.9	10285.7	9362.5
10°	16927.4	16417.2	15863.3	15217.1	14512.6	13779.0	12977.3	12088.2	11199.1	10310.0	9352.8
7.5°	16976.0	16422.1	15829.3	15178.3	14488.4	13769.3	12987.0	12102.8	11203.9	10305.1	9323.7
5°	16825.3	16324.9	15751.6	15095.7	14420.3	13720.7	12948.2	12083.3	11165.1	10256.5	9250.8
2.5°	16621.3	16218.0	15669.0	15037.4	14352.3	13652.7	12885.0	11995.9	11077.6	10169.1	9158.5
0°	16587.3	16086.8	15533.0	14969.4	14240.6	13502.1	12739.3	11830.7	10917.3	10003.9	8998.1
-2.5°	16363.8	15834.2	15280.3	14668.1	14026.8	13283.4	12481.7	11592.6	10688.9	9790.1	8823.2
-5°	16193.7	15605.8	15017.9	14357.2	13711.0	12967.6	12136.8	11272.0	10387.7	9513.1	8580.3
-7.5°	15965.4	15362.9	14745.9	14055.9	13356.3	12598.4	11777.3	10912.4	10042.7	9173.0	8279.1
-10°	15503.8	14974.2	14396.0	13681.8	12943.3	12185.4	11369.1	10518.9	9649.2	8769.8	7870.9
-12.5°	14945.1	14386.3	13754.7	13098.8	12438.0	11733.5	10917.3	10081.6	9207.1	8322.8	7428.8
-15°	14221.1	13672.1	13025.9	12384.6	11748.1	11072.8	10353.7	9600.6	8711.5	7841.8	6947.8
-17.5°	13317.4	12802.4	12224.2	11612.1	10980.4	10300.2	9600.6	8964.1	8133.3	7317.1	6432.8
-20°	12345.7	11864.7	11344.8	10766.7	10135.0	9469.4	8808.6	8143.0	7423.9	6704.9	5883.8



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 CATALOG NUMBER: IFLD-L-SA7E-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°	11335.1	10849.3	10324.5	9785.2	9202.2	8585.2	7973.0	7336.5	6704.9	6053.8	5359.0
-25°	10169.1	9741.5	9260.5	8735.8	8215.9	7676.6	7093.6	6515.4	5976.1	5412.5	4844.0
-27.5°	8949.5	8556.0	8118.7	7662.0	7215.0	6763.2	6257.9	5723.4	5276.4	4810.0	4338.7
-30°	7666.9	7351.1	6996.4	6598.0	6253.0	5888.6	5465.9	5023.8	4615.7	4261.0	3882.0
-32.5°	6452.2	6185.0	5932.4	5670.0	5329.9	5048.1	4756.6	4431.0	4071.5	3736.3	3464.2
-35°	5407.6	5121.0	5014.1	4819.7	4576.8	4329.0	4115.2	3882.0	3609.9	3313.6	3090.1
-37.5°	4528.2	4358.2	4207.5	4100.7	3940.3	3741.1	3571.1	3401.0	3192.1	2968.6	2745.1
-40°	3843.2	3726.5	3561.4	3507.9	3405.9	3269.8	3094.9	2963.7	2822.8	2652.8	2463.3
-42.5°	3294.1	3206.7	3099.8	3007.5	2963.7	2866.6	2730.5	2604.2	2492.5	2375.9	2230.1
-45°	2842.3	2784.0	2716.0	2633.4	2599.4	2521.6	2424.4	2283.5	2220.4	2123.2	2016.3
-47.5°	2477.9	2448.7	2400.1	2346.7	2298.1	2239.8	2152.4	2064.9	1977.5	1914.3	1831.7
-50°	2191.2	2171.8	2142.6	2098.9	2035.8	1996.9	1938.6	1860.8	1778.2	1724.8	1666.5
-52.5°	1962.9	1943.4	1924.0	1890.0	1841.4	1802.5	1754.0	1690.8	1622.8	1569.3	1520.7
-55°	1788.0	1758.8	1744.2	1715.1	1676.2	1632.5	1588.8	1545.0	1486.7	1438.1	1389.6
-57.5°	1651.9	1613.1	1593.6	1569.3	1530.5	1486.7	1452.7	1409.0	1370.1	1316.7	1273.0
-60°	1545.0	1501.3	1462.4	1438.1	1404.1	1360.4	1326.4	1292.4	1253.5	1209.8	1156.3
-62.5°	1457.6	1404.1	1350.7	1321.5	1287.5	1248.7	1214.7	1180.6	1141.8	1098.0	1049.5
-65°	1375.0	1311.8	1243.8	1214.7	1180.6	1141.8	1098.0	1073.8	1039.7	1000.9	952.3
-67.5°	1273.0	1204.9	1146.6	1112.6	1078.6	1044.6	1005.7	981.4	947.4	898.8	850.3
-70°	1122.3	1078.6	1039.7	1010.6	981.4	952.3	913.4	874.5	835.7	792.0	748.2
-72.5°	932.9	918.3	913.4	898.8	864.8	830.8	792.0	753.1	719.1	685.1	651.1
-75°	753.1	762.8	772.5	767.7	733.6	699.6	665.6	631.6	607.3	578.2	549.0
-77.5°	597.6	607.3	617.0	617.0	592.7	573.3	549.0	524.7	505.3	481.0	451.9
-80°	461.6	476.1	490.7	500.4	481.0	466.4	447.0	427.6	408.1	388.7	369.3
-82.5°	349.8	364.4	379.0	388.7	374.1	364.4	349.8	335.2	320.7	301.2	286.7
-85°	252.6	262.4	272.1	276.9	267.2	257.5	247.8	238.1	228.4	213.8	204.1
-87.5°	145.8	150.6	155.5	160.3	150.6	140.9	136.0	126.3	121.5	111.7	106.9
-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°	121.5	111.7	102.0	97.2	87.5	72.9	63.2	53.4	43.7	34.0	29.2
85°	257.5	233.2	204.1	189.5	170.1	150.6	131.2	111.7	92.3	72.9	53.4
82.5°	442.1	413.0	383.8	349.8	306.1	252.6	199.2	165.2	136.0	106.9	82.6
80°	665.6	612.2	563.6	519.9	471.3	403.3	330.4	262.4	184.6	140.9	106.9
77.5°	923.1	860.0	792.0	719.1	641.3	549.0	466.4	379.0	286.7	194.3	136.0
75°	1214.7	1132.1	1039.7	937.7	835.7	714.2	597.6	495.6	388.7	272.1	165.2
72.5°	1540.2	1438.1	1326.4	1190.4	1030.0	889.1	748.2	612.2	485.9	345.0	223.5
70°	1958.0	1797.7	1632.5	1486.7	1282.7	1059.2	894.0	738.5	578.2	422.7	281.8
67.5°	2405.0	2210.7	2011.5	1797.7	1540.2	1277.8	1039.7	864.8	675.3	495.6	335.2
65°	2890.9	2647.9	2395.3	2157.2	1802.5	1491.6	1224.4	986.3	767.7	563.6	388.7
62.5°	3391.3	3104.6	2813.1	2502.2	2094.1	1710.2	1399.3	1122.3	855.1	626.8	437.3
60°	3925.8	3590.5	3235.8	2847.1	2371.0	1948.3	1564.5	1263.2	947.4	689.9	490.7
57.5°	4489.3	4125.0	3707.1	3182.4	2657.7	2176.7	1754.0	1389.6	1030.0	748.2	529.6
55°	5101.5	4683.7	4227.0	3532.2	2939.5	2405.0	1943.4	1515.9	1117.5	796.8	568.5
52.5°	5762.3	5276.4	4698.3	3901.5	3235.8	2638.2	2118.4	1627.6	1200.1	850.3	602.5
50°	6500.8	5888.6	5111.2	4241.6	3493.3	2856.9	2293.3	1749.1	1268.1	908.6	631.6
47.5°	7268.5	6607.7	5480.5	4557.4	3755.7	3070.6	2473.0	1856.0	1336.1	957.1	660.8
45°	8070.1	7108.1	5864.3	4839.2	3984.1	3265.0	2609.1	1953.2	1418.7	1000.9	685.1
42.5°	8862.1	7487.1	6199.6	5121.0	4197.8	3439.9	2720.8	2045.5	1486.7	1044.6	709.4
40°	9236.2	7773.8	6466.8	5315.3	4377.6	3595.4	2818.0	2128.1	1545.0	1073.8	733.6
37.5°	9391.7	7948.7	6641.7	5499.9	4518.5	3678.0	2900.6	2200.9	1593.6	1102.9	753.1
35°	9425.7	8011.8	6729.2	5626.3	4635.1	3755.7	2963.7	2254.4	1632.5	1132.1	772.5
32.5°	9362.5	7992.4	6753.5	5670.0	4708.0	3814.0	3007.5	2293.3	1661.6	1161.2	792.0
30°	9221.6	7890.4	6666.0	5665.1	4761.4	3848.0	3036.6	2322.4	1690.8	1180.6	801.7
27.5°	8993.3	7710.6	6554.3	5670.0	4790.6	3862.6	3051.2	2337.0	1710.2	1195.2	821.1
25°	8711.5	7467.7	6559.1	5660.3	4795.4	3867.4	3051.2	2337.0	1715.1	1200.1	835.7
22.5°	8385.9	7467.7	6559.1	5645.7	4766.3	3857.7	3036.6	2327.3	1715.1	1209.8	850.3
20°	8405.4	7472.5	6544.5	5616.5	4722.6	3828.6	3002.6	2303.0	1700.5	1224.4	860.0
17.5°	8420.0	7462.8	6515.4	5577.7	4664.3	3780.0	2958.9	2269.0	1700.5	1238.9	864.8
15°	8420.0	7433.7	6471.7	5519.4	4591.4	3712.0	2895.7	2239.8	1705.4	1243.8	874.5
12.5°	8405.4	7380.2	6403.6	5441.6	4503.9	3629.4	2856.9	2230.1	1705.4	1248.7	874.5
10°	8376.2	7307.3	6316.2	5344.5	4421.3	3600.2	2837.4	2210.7	1695.7	1248.7	874.5
7.5°	8322.8	7219.9	6243.3	5286.2	4372.7	3566.2	2808.3	2181.5	1681.1	1238.9	884.3
5°	8240.2	7171.3	6185.0	5218.1	4304.7	3541.9	2788.8	2157.2	1671.4	1238.9	874.5
2.5°	8133.3	7113.0	6117.0	5130.7	4227.0	3459.3	2725.7	2103.8	1637.3	1219.5	864.8
0°	7958.4	6996.4	6000.4	5009.2	4120.1	3376.7	2662.5	2050.3	1603.3	1200.1	855.1
-2.5°	7798.1	6840.9	5849.8	4882.9	4018.1	3303.8	2613.9	2021.2	1588.8	1195.2	850.3
-5°	7574.6	6627.1	5650.6	4717.7	3882.0	3231.0	2565.3	1987.2	1574.2	1185.5	850.3
-7.5°	7326.8	6403.6	5441.6	4547.7	3746.0	3104.6	2473.0	1933.7	1540.2	1166.1	845.4
-10°	6942.9	6068.4	5179.3	4353.3	3600.2	2992.9	2395.3	1885.1	1511.0	1146.6	826.0
-12.5°	6534.8	5699.1	4878.0	4115.2	3435.0	2876.3	2307.8	1831.7	1477.0	1127.2	816.2
-15°	6102.4	5320.2	4562.2	3867.4	3255.3	2735.4	2215.5	1773.4	1443.0	1102.9	801.7
-17.5°	5650.6	4921.8	4236.7	3614.8	3075.5	2589.6	2118.4	1719.9	1404.1	1078.6	787.1
-20°	5174.4	4513.6	3906.3	3357.3	2886.0	2443.9	2016.3	1656.8	1360.4	1049.5	767.7



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CATALOG NUMBER: IFLD-L-SA7E-830-U-76

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
-22.5°	4703.1	4110.4	3566.2	3104.6	2691.7	2293.3	1914.3	1593.6	1311.8	1015.4	753.1
-25°	4285.3	3731.4	3265.0	2861.7	2502.2	2147.5	1807.4	1530.5	1258.4	981.4	733.6
-27.5°	3877.2	3405.9	2968.6	2633.4	2317.6	2006.6	1705.4	1462.4	1204.9	942.6	714.2
-30°	3498.2	3094.9	2735.4	2409.9	2142.6	1880.3	1617.9	1394.4	1146.6	903.7	689.9
-32.5°	3153.2	2827.7	2526.5	2215.5	1977.5	1754.0	1535.3	1326.4	1088.3	864.8	665.6
-35°	2832.6	2579.9	2317.6	2055.2	1812.3	1637.3	1447.9	1253.5	1034.9	821.1	641.3
-37.5°	2545.9	2341.8	2132.9	1909.4	1700.5	1525.6	1365.3	1180.6	981.4	782.2	617.0
-40°	2298.1	2132.9	1948.3	1768.5	1593.6	1428.4	1282.7	1107.8	928.0	753.1	592.7
-42.5°	2069.8	1943.4	1792.8	1642.2	1486.7	1341.0	1200.1	1030.0	874.5	719.1	568.5
-45°	1894.9	1768.5	1647.1	1511.0	1379.8	1253.5	1112.6	962.0	826.0	680.2	544.2
-47.5°	1729.7	1617.9	1506.2	1394.4	1287.5	1170.9	1030.0	903.7	772.5	646.2	524.7
-50°	1583.9	1477.0	1379.8	1282.7	1190.4	1078.6	947.4	845.4	728.8	612.2	500.4
-52.5°	1447.9	1355.6	1258.4	1180.6	1102.9	991.2	884.3	787.1	685.1	573.3	476.1
-55°	1326.4	1238.9	1151.5	1078.6	1005.7	908.6	821.1	738.5	641.3	544.2	451.9
-57.5°	1209.8	1136.9	1054.3	986.3	913.4	835.7	762.8	685.1	597.6	515.0	427.6
-60°	1102.9	1034.9	962.0	894.0	830.8	767.7	699.6	636.5	558.7	481.0	403.3
-62.5°	996.0	937.7	874.5	806.5	757.9	699.6	646.2	583.0	519.9	451.9	359.5
-65°	898.8	845.4	787.1	728.8	685.1	641.3	592.7	534.4	481.0	417.8	320.7
-67.5°	801.7	753.1	704.5	655.9	617.0	583.0	534.4	490.7	447.0	379.0	281.8
-70°	709.4	670.5	626.8	587.9	558.7	519.9	485.9	447.0	408.1	330.4	238.1
-72.5°	621.9	583.0	549.0	519.9	495.6	461.6	432.4	403.3	349.8	276.9	199.2
-75°	519.9	495.6	476.1	451.9	427.6	403.3	379.0	345.0	291.5	223.5	155.5
-77.5°	427.6	413.0	398.4	379.0	359.5	340.1	311.0	276.9	233.2	174.9	126.3
-80°	349.8	335.2	325.5	306.1	291.5	272.1	242.9	213.8	170.1	136.0	102.0
-82.5°	267.2	257.5	247.8	238.1	223.5	204.1	174.9	150.6	126.3	102.0	77.7
-85°	189.5	184.6	174.9	165.2	150.6	136.0	116.6	102.0	87.5	68.0	53.4
-87.5°	97.2	92.3	87.5	82.6	77.7	68.0	58.3	48.6	43.7	34.0	24.3
-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°	19.4	14.6	4.9	0.0
85°	38.9	24.3	9.7	0.0
82.5°	58.3	38.9	14.6	0.0
80°	77.7	48.6	24.3	0.0
77.5°	97.2	58.3	29.2	0.0
75°	116.6	72.9	34.0	0.0
72.5°	131.2	82.6	38.9	0.0
70°	155.5	97.2	43.7	0.0
67.5°	194.3	106.9	48.6	0.0
65°	228.4	116.6	53.4	0.0
62.5°	267.2	126.3	58.3	0.0
60°	301.2	136.0	63.2	0.0
57.5°	335.2	160.3	68.0	0.0
55°	364.4	179.8	72.9	0.0
52.5°	398.4	199.2	77.7	0.0
50°	427.6	218.6	82.6	0.0
47.5°	451.9	238.1	82.6	0.0
45°	471.3	252.6	87.5	0.0
42.5°	485.9	267.2	92.3	0.0
40°	500.4	281.8	97.2	0.0
37.5°	515.0	296.4	97.2	0.0
35°	529.6	311.0	102.0	0.0
32.5°	544.2	325.5	102.0	0.0
30°	553.9	335.2	106.9	0.0
27.5°	568.5	345.0	106.9	0.0
25°	573.3	354.7	111.7	0.0
22.5°	583.0	359.5	111.7	0.0
20°	592.7	369.3	111.7	0.0
17.5°	597.6	374.1	116.6	0.0
15°	597.6	379.0	121.5	0.0
12.5°	602.5	383.8	121.5	0.0
10°	602.5	393.5	116.6	0.0
7.5°	612.2	388.7	116.6	0.0
5°	607.3	388.7	116.6	0.0
2.5°	602.5	383.8	116.6	0.0
0°	597.6	383.8	116.6	0.0
-2.5°	597.6	383.8	116.6	0.0
-5°	597.6	383.8	116.6	0.0
-7.5°	592.7	388.7	116.6	0.0
-10°	583.0	388.7	116.6	0.0
-12.5°	578.2	374.1	116.6	0.0
-15°	573.3	369.3	116.6	0.0
-17.5°	563.6	364.4	111.7	0.0
-20°	553.9	359.5	111.7	0.0



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CATALOG NUMBER: IFLD-L-SA7E-830-U-76

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	544.2	349.8	111.7	0.0
-25°	534.4	340.1	106.9	0.0
-27.5°	524.7	330.4	106.9	0.0
-30°	510.2	320.7	102.0	0.0
-32.5°	495.6	311.0	102.0	0.0
-35°	485.9	296.4	97.2	0.0
-37.5°	471.3	281.8	97.2	0.0
-40°	456.7	267.2	92.3	0.0
-42.5°	442.1	252.6	87.5	0.0
-45°	422.7	238.1	87.5	0.0
-47.5°	408.1	223.5	82.6	0.0
-50°	383.8	204.1	77.7	0.0
-52.5°	354.7	184.6	72.9	0.0
-55°	325.5	170.1	68.0	0.0
-57.5°	296.4	150.6	68.0	0.0
-60°	267.2	131.2	63.2	0.0
-62.5°	238.1	121.5	58.3	0.0
-65°	208.9	111.7	53.4	0.0
-67.5°	174.9	97.2	48.6	0.0
-70°	145.8	87.5	43.7	0.0
-72.5°	126.3	77.7	38.9	0.0
-75°	106.9	68.0	34.0	0.0
-77.5°	92.3	58.3	29.2	0.0
-80°	72.9	43.7	19.4	0.0
-82.5°	53.4	34.0	14.6	0.0
-85°	34.0	24.3	9.7	0.0
-87.5°	19.4	9.7	4.9	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)