

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: P722204

Luminaire Tested: **IFLD-S-SA6D-830-U-76**

Issue Date: 10/26/2023

Test Information

Test Method: LM-79-2019
Report Number: P722204
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6D-830-U-76
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7x6 Flood distribution lens
Light Source: (96) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

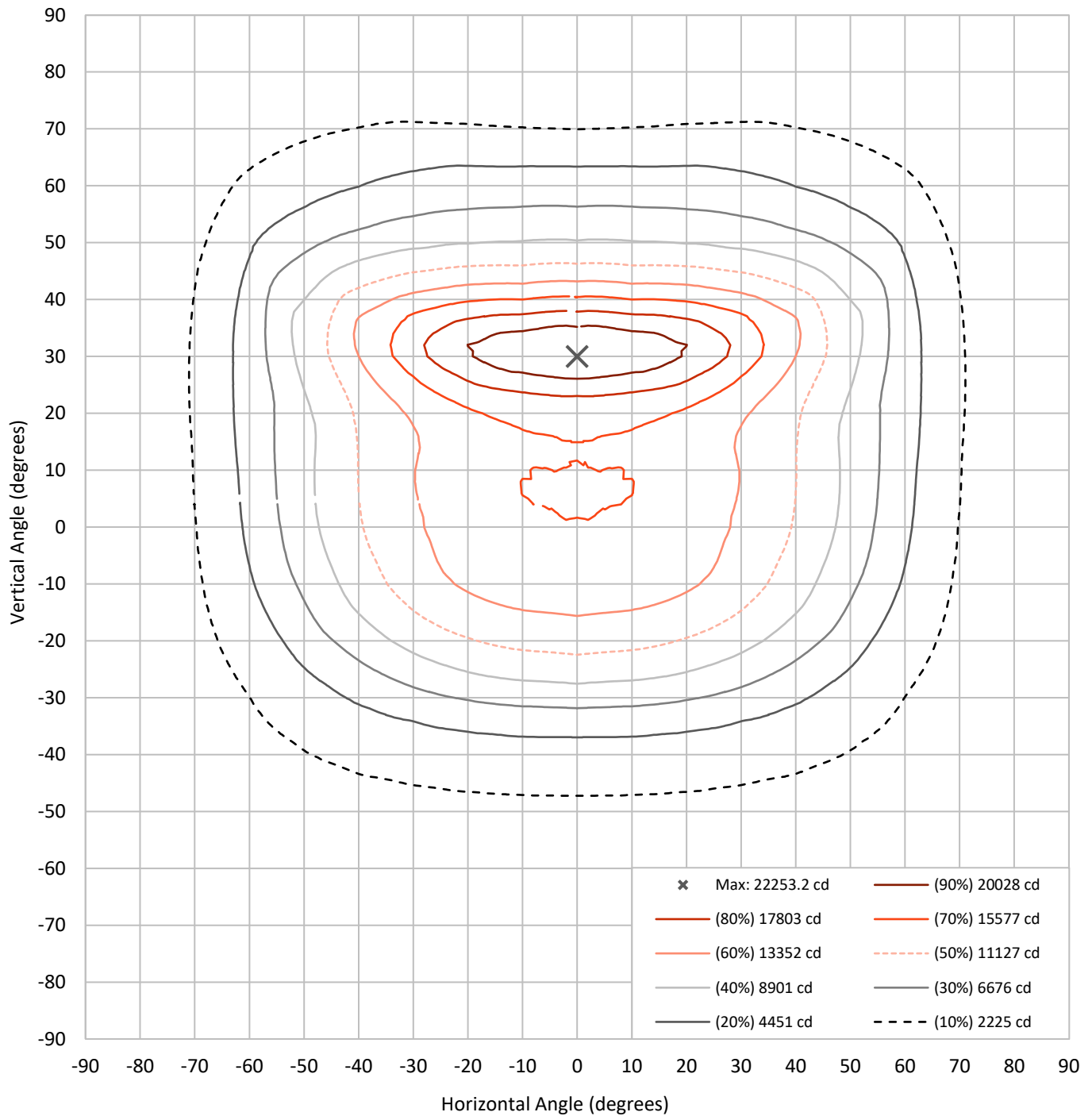
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	37146.2 lumens	Max Intensity:	22253.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	100.9 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	90.8°H x 68.8°V	Field Angle (10%):	142°H x 117.1°V
Beam Lumens:	21600.9 lumens	Field Lumens:	34810.8 lumens
Beam Efficiency:	58.2%	Field Efficiency:	93.7%

Input Watts (W): 368.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



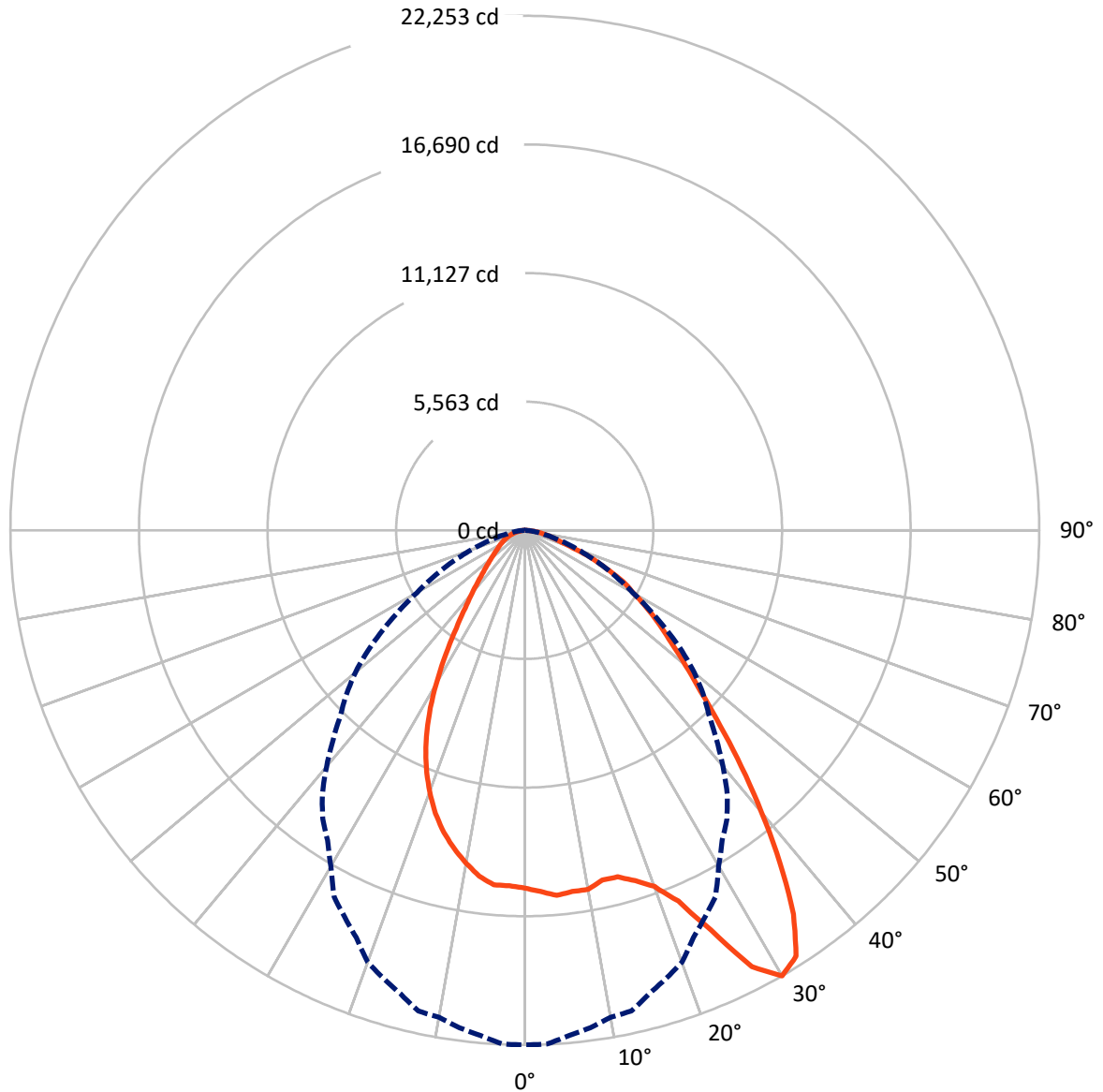
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Iso-Candela Plot



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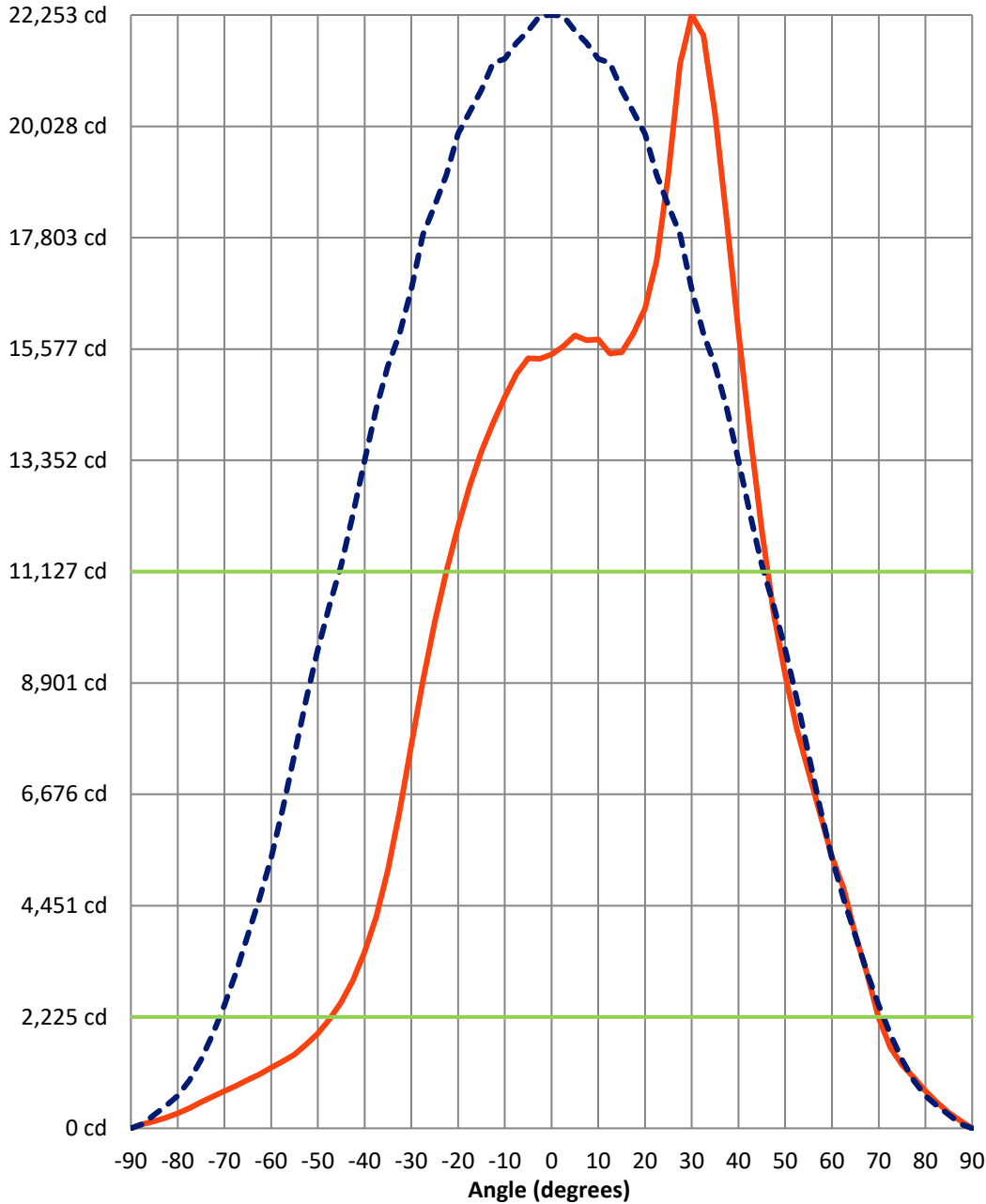
Luminous Intensity Polar Plot



— 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: 21600.9
 Efficiency: 58.2%

Field:
 H Angle: 142°
 V Angle: 117.1°
 Lumens: 34810.8
 Efficiency: 93.7%

Spill:
 Lumens: 2335.4
 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°	149.5	153.5	157.4	157.4	153.5	153.5	153.5	149.5	153.5	153.5	153.5
85°	310.9	318.7	326.6	322.7	318.7	310.9	303.0	306.9	310.9	314.8	314.8
82.5°	515.5	527.3	535.2	531.2	523.4	515.5	507.6	511.6	519.4	523.4	523.4
80°	747.7	751.6	755.5	763.4	751.6	751.6	747.7	763.4	771.3	779.2	787.0
77.5°	1015.3	1019.2	1019.2	1023.1	1027.1	1031.0	1031.0	1058.6	1078.2	1090.0	1101.8
75°	1267.1	1278.9	1290.7	1302.5	1318.3	1326.1	1337.9	1377.3	1408.8	1432.4	1456.0
72.5°	1613.4	1629.1	1648.8	1676.4	1703.9	1723.6	1751.1	1798.4	1833.8	1857.4	1884.9
70°	2207.6	2223.4	2243.0	2262.7	2290.3	2309.9	2337.5	2396.5	2431.9	2447.7	2463.4
67.5°	3089.1	3128.4	3163.9	3124.5	3104.8	3077.3	3085.1	3140.2	3175.7	3199.3	3195.3
65°	3872.2	3899.7	3899.7	3895.8	3880.0	3844.6	3864.3	3931.2	3970.6	3990.2	3931.2
62.5°	4793.0	4793.0	4773.3	4804.8	4808.7	4785.1	4773.3	4777.3	4781.2	4793.0	4694.6
60°	5430.5	5469.8	5481.6	5509.2	5517.1	5517.1	5536.7	5552.5	5552.5	5528.9	5414.8
57.5°	6272.6	6347.4	6363.1	6343.4	6304.1	6252.9	6245.1	6221.5	6174.2	6127.0	6071.9
55°	7122.6	7162.0	7158.0	7146.2	7106.9	7047.8	7055.7	7024.2	6949.5	6890.4	6815.7
52.5°	7976.5	8071.0	8086.7	8063.1	8008.0	7945.0	7949.0	7913.6	7838.8	7775.8	7673.5
50°	9066.6	9145.3	9137.4	9098.0	9019.3	8972.1	8976.1	8909.2	8822.6	8802.9	8669.1
47.5°	10314.0	10404.5	10388.8	10333.7	10227.4	10207.7	10227.4	10140.9	10089.7	10046.4	9889.0
45°	11951.0	12057.3	11998.2	11892.0	11722.8	11742.5	11770.0	11754.3	11644.1	11530.0	11329.3
42.5°	13871.4	13938.3	13867.4	13761.2	13548.7	13588.0	13572.3	13477.8	13411.0	13222.1	12966.3
40°	15925.5	16071.1	15960.9	15795.6	15575.3	15634.3	15591.0	15469.0	15311.6	15075.5	14752.8
37.5°	18141.0	18255.1	18129.2	17936.4	17739.6	17719.9	17633.4	17444.5	17220.2	16960.4	16444.9
35°	20262.0	20557.2	20325.0	20018.0	19778.0	19687.5	19604.9	19168.1	18912.3	18491.2	17786.8
32.5°	21840.0	22056.5	21769.2	21450.4	21159.2	21033.3	20742.1	20222.7	20084.9	19199.5	18554.2
30°	22253.2	22237.5	21938.4	21694.4	21379.6	21293.0	20757.9	20317.1	19876.4	19057.9	18444.0
27.5°	21269.4	21171.0	20883.8	20671.3	20360.4	20258.1	19730.8	19494.7	18813.9	18121.3	17601.9
25°	19077.6	19128.7	18912.3	18806.0	18601.4	18381.0	18172.5	17853.7	17428.7	16822.7	16346.6
22.5°	17350.0	17416.9	17326.4	17200.5	17043.1	16921.1	16763.7	16515.8	16106.5	15732.7	15284.1
20°	16389.9	16370.2	16291.5	16197.0	16047.5	15960.9	15787.8	15579.2	15264.4	14941.7	14457.7
17.5°	15886.2	15764.2	15689.4	15654.0	15575.3	15465.1	15260.5	15048.0	14804.0	14438.0	14083.9
15°	15512.3	15532.0	15473.0	15445.4	15382.5	15229.0	15020.4	14847.3	14516.7	14331.8	14009.1
12.5°	15488.7	15469.0	15473.0	15461.2	15382.5	15185.7	15079.5	14859.1	14646.6	14402.6	14032.7
10°	15768.1	15559.5	15575.3	15630.4	15504.4	15347.0	15232.9	14992.9	14792.2	14481.3	14115.3
7.5°	15752.4	15646.1	15677.6	15587.1	15626.4	15433.6	15276.2	15036.2	14784.3	14453.8	14123.2
5°	15846.8	15685.5	15657.9	15665.8	15567.4	15421.8	15209.3	14981.1	14745.0	14375.1	14036.6
2.5°	15630.4	15654.0	15528.1	15480.8	15469.0	15225.1	15028.3	14807.9	14563.9	14237.3	13934.3
0°	15469.0	15512.3	15382.5	15315.6	15311.6	15103.1	14977.1	14725.3	14552.1	14280.6	13914.6
-2.5°	15382.5	15433.6	15449.4	15327.4	15209.3	15048.0	14835.5	14563.9	14280.6	13965.8	13651.0
-5°	15390.3	15288.0	15244.7	15284.1	15181.8	15020.4	14784.3	14544.3	14264.9	13926.5	13532.9
-7.5°	15079.5	14977.1	14969.3	14949.6	14926.0	14772.5	14575.8	14316.0	14032.7	13717.9	13351.9
-10°	14615.1	14540.3	14520.7	14501.0	14438.0	14347.5	14162.6	13926.5	13670.7	13355.9	12966.3
-12.5°	14099.6	14064.2	13989.4	13938.3	13875.3	13769.0	13592.0	13375.5	13119.8	12840.4	12505.9
-15°	13529.0	13462.1	13387.3	13344.1	13253.5	13127.6	12950.5	12749.8	12470.5	12195.0	11880.2
-17.5°	12840.4	12757.7	12675.1	12663.3	12600.3	12407.5	12242.2	11998.2	11754.3	11490.6	11183.7
-20°	12029.7	11915.6	11860.5	11829.0	11742.5	11600.8	11423.7	11199.4	10963.3	10711.4	10357.3



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
-22.5°	11132.5	11034.1	10939.7	10880.7	10805.9	10695.7	10526.5	10329.7	10097.6	9814.2	9487.6
-25°	10113.3	9975.6	9916.5	9849.7	9810.3	9708.0	9542.7	9361.7	9121.7	8846.2	8535.3
-27.5°	8948.5	8838.3	8806.8	8712.4	8665.2	8558.9	8421.2	8252.0	8031.6	7771.9	7516.1
-30°	7661.7	7594.8	7543.7	7449.2	7413.8	7299.7	7209.2	7067.5	6866.8	6681.9	6477.2
-32.5°	6339.5	6272.6	6256.9	6213.6	6190.0	6115.2	6012.9	5910.6	5749.2	5611.5	5446.2
-35°	5166.8	5119.6	5123.6	5119.6	5096.0	5040.9	4915.0	4887.4	4769.4	4643.5	4537.2
-37.5°	4230.3	4234.2	4230.3	4226.3	4194.9	4171.2	4080.7	4045.3	3974.5	3852.5	3789.5
-40°	3525.9	3533.8	3529.8	3521.9	3486.5	3474.7	3415.7	3368.5	3340.9	3254.4	3187.5
-42.5°	2955.3	2967.1	2963.2	2959.2	2935.6	2931.7	2900.2	2845.1	2829.4	2778.2	2707.4
-45°	2522.4	2518.5	2510.6	2518.5	2506.7	2494.9	2475.2	2439.8	2420.1	2396.5	2337.5
-47.5°	2180.1	2184.0	2176.1	2176.1	2160.4	2148.6	2140.7	2117.1	2101.4	2081.7	2046.3
-50°	1896.7	1912.5	1908.5	1904.6	1892.8	1884.9	1884.9	1861.3	1837.7	1829.8	1806.2
-52.5°	1676.4	1688.2	1692.1	1700.0	1703.9	1707.9	1696.0	1672.4	1633.1	1629.1	1617.3
-55°	1475.7	1511.1	1534.7	1550.4	1566.2	1578.0	1554.4	1522.9	1483.5	1467.8	1463.9
-57.5°	1337.9	1373.4	1400.9	1424.5	1444.2	1463.9	1440.3	1408.8	1373.4	1353.7	1349.8
-60°	1212.0	1243.5	1271.0	1302.5	1330.1	1361.6	1349.8	1326.1	1306.5	1290.7	1275.0
-62.5°	1078.2	1109.7	1141.2	1180.5	1216.0	1247.4	1251.4	1247.4	1243.5	1247.4	1219.9
-65°	968.0	983.8	1003.5	1046.7	1086.1	1121.5	1141.2	1153.0	1172.7	1192.3	1164.8
-67.5°	850.0	869.7	893.3	924.8	956.2	979.8	1007.4	1038.9	1070.4	1101.8	1082.2
-70°	743.7	759.5	779.2	794.9	814.6	830.3	853.9	889.3	924.8	956.2	948.4
-72.5°	633.6	649.3	661.1	669.0	680.8	688.6	700.5	731.9	755.5	771.3	771.3
-75°	523.4	539.1	550.9	554.9	562.7	566.7	574.5	586.3	598.1	602.1	606.0
-77.5°	401.4	417.1	428.9	436.8	444.7	452.5	456.5	464.3	468.3	468.3	472.2
-80°	299.1	310.9	318.7	330.6	334.5	342.4	350.2	354.2	358.1	358.1	362.0
-82.5°	212.5	220.4	228.2	236.1	244.0	247.9	255.8	259.7	263.7	267.6	271.5
-85°	141.7	149.5	157.4	165.3	169.2	173.1	177.1	181.0	185.0	188.9	192.8
-87.5°	82.6	86.6	90.5	98.4	102.3	110.2	114.1	110.2	114.1	114.1	114.1
-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°	153.5	153.5	153.5	153.5	149.5	141.7	137.7	129.9	122.0	114.1	106.2
85°	318.7	322.7	322.7	322.7	314.8	310.9	299.1	287.3	271.5	247.9	228.2
82.5°	531.2	535.2	535.2	531.2	523.4	511.6	495.8	476.2	444.7	413.2	385.6
80°	798.8	802.8	802.8	798.8	779.2	759.5	739.8	716.2	676.8	633.6	586.3
77.5°	1117.6	1125.4	1125.4	1113.6	1086.1	1062.5	1031.0	991.7	932.6	869.7	806.7
75°	1487.5	1507.2	1511.1	1499.3	1463.9	1420.6	1369.4	1302.5	1212.0	1133.3	1058.6
72.5°	1916.4	1936.1	1951.8	1936.1	1884.9	1825.9	1751.1	1672.4	1581.9	1475.7	1349.8
70°	2479.1	2498.8	2510.6	2459.5	2369.0	2270.6	2180.1	2089.6	1983.3	1853.5	1715.7
67.5°	3187.5	3167.8	3144.2	3041.9	2927.7	2809.7	2683.8	2550.0	2412.2	2274.5	2113.2
65°	3868.2	3813.1	3762.0	3640.0	3494.4	3340.9	3195.3	3045.8	2880.5	2707.4	2553.9
62.5°	4584.4	4466.4	4340.5	4190.9	4041.4	3872.2	3726.6	3549.5	3364.5	3152.0	2955.3
60°	5288.8	5147.2	5021.2	4836.3	4639.5	4411.3	4253.9	4080.7	3864.3	3636.1	3403.9
57.5°	5969.6	5816.1	5678.4	5517.1	5304.6	5056.7	4883.5	4659.2	4431.0	4143.7	3907.6
55°	6693.7	6540.2	6430.0	6249.0	6016.8	5788.6	5599.7	5363.6	5044.8	4737.9	4446.7
52.5°	7524.0	7402.0	7283.9	7099.0	6819.6	6587.4	6378.9	6115.2	5780.7	5402.9	5052.7
50°	8452.7	8389.7	8263.8	8047.4	7728.6	7524.0	7248.5	6898.3	6540.2	6142.8	5706.0
47.5°	9684.4	9582.1	9405.0	9168.9	8901.3	8594.3	8224.4	7815.2	7307.6	6866.8	6402.5
45°	11156.1	10967.2	10739.0	10420.2	10089.7	9743.4	9338.1	8818.6	8137.9	7563.3	7075.4
42.5°	12749.8	12494.1	12183.2	11766.1	11337.1	10912.1	10475.3	9767.0	8917.0	8255.9	7705.0
40°	14414.4	14087.8	13698.2	13092.2	12616.1	12069.1	11569.3	10510.8	9605.7	8889.5	8303.1
37.5°	16043.6	15630.4	14977.1	14241.3	13686.4	13237.8	12139.9	11006.6	10195.9	9408.9	8814.7
35°	17291.0	16940.8	15787.8	15024.4	14548.2	13839.9	12466.5	11305.7	10447.8	9794.6	8869.8
32.5°	18030.8	17125.7	16114.4	15343.1	14949.6	13788.7	12490.1	11392.2	10565.8	9833.9	8728.1
30°	17865.5	16771.6	15886.2	15240.8	14386.9	13344.1	12269.8	11258.4	10455.7	9570.3	8570.7
27.5°	16869.9	16023.9	15232.9	14560.0	13721.8	12785.3	11793.6	10904.3	10156.6	9298.7	8354.3
25°	15744.5	14977.1	14390.8	13804.5	13009.6	12116.3	11242.7	10601.3	9849.7	9003.6	8071.0
22.5°	14709.5	14158.6	13698.2	13084.3	12309.1	11530.0	10986.9	10321.9	9550.6	8692.7	7779.8
20°	14048.4	13674.6	13147.3	12470.5	11860.5	11372.6	10770.5	10066.1	9271.2	8374.0	7531.9
17.5°	13729.7	13296.8	12710.5	12269.8	11801.5	11266.3	10593.4	9845.7	8999.7	8228.4	7559.4
15°	13564.4	13107.9	12722.3	12289.4	11762.1	11199.4	10451.7	9676.5	8999.7	8287.4	7579.1
12.5°	13599.8	13206.3	12785.3	12313.0	11746.4	11144.3	10467.5	9747.3	9046.9	8330.7	7583.0
10°	13710.0	13296.8	12848.2	12324.9	11754.3	11160.1	10510.8	9790.6	9070.5	8350.4	7575.1
7.5°	13749.4	13300.8	12820.7	12293.4	11734.6	11152.2	10518.6	9802.4	9074.4	8346.4	7551.5
5°	13627.4	13222.1	12757.7	12226.5	11679.5	11112.8	10487.1	9786.7	9042.9	8307.1	7492.5
2.5°	13462.1	13135.5	12690.8	12179.3	11624.4	11057.7	10436.0	9715.9	8972.1	8236.2	7417.7
0°	13434.6	13029.2	12580.6	12124.2	11533.9	10935.8	10317.9	9582.1	8842.3	8102.5	7287.9
-2.5°	13253.5	12824.6	12376.0	11880.2	11360.7	10758.7	10109.4	9389.2	8657.3	7929.3	7146.2
-5°	13115.8	12639.7	12163.5	11628.3	11105.0	10502.9	9830.0	9129.5	8413.3	7705.0	6949.5
-7.5°	12930.9	12442.9	11943.1	11384.4	10817.7	10203.8	9538.8	8838.3	8133.9	7429.5	6705.5
-10°	12557.0	12128.1	11659.8	11081.4	10483.2	9869.3	9208.2	8519.6	7815.2	7102.9	6374.9
-12.5°	12104.5	11651.9	11140.4	10609.1	10074.0	9503.4	8842.3	8165.4	7457.1	6740.9	6016.8
-15°	11518.2	11073.5	10550.1	10030.7	9515.2	8968.2	8385.8	7775.8	7055.7	6351.3	5627.2
-17.5°	10786.2	10369.1	9900.8	9405.0	8893.4	8342.5	7775.8	7260.3	6587.4	5926.3	5210.1
-20°	9999.2	9609.6	9188.5	8720.3	8208.7	7669.6	7134.4	6595.3	6012.9	5430.5	4765.5



REPORT NUMBER: P722204

CATALOG NUMBER: IFLD-S-SA6D-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°	9180.7	8787.2	8362.2	7925.4	7453.2	6953.4	6457.6	5942.1	5430.5	4903.2	4340.5
-25°	8236.2	7890.0	7500.4	7075.4	6654.3	6217.5	5745.3	5277.0	4840.2	4383.7	3923.3
-27.5°	7248.5	6929.8	6575.6	6205.7	5843.7	5477.7	5068.5	4635.6	4273.6	3895.8	3514.1
-30°	6209.6	5953.9	5666.6	5343.9	5064.5	4769.4	4427.0	4068.9	3738.4	3451.1	3144.2
-32.5°	5225.9	5009.4	4804.8	4592.3	4316.8	4088.6	3852.5	3588.8	3297.6	3026.1	2805.8
-35°	4379.8	4147.6	4061.1	3903.7	3706.9	3506.2	3333.1	3144.2	2923.8	2683.8	2502.7
-37.5°	3667.5	3529.8	3407.8	3321.3	3191.4	3030.1	2892.3	2754.6	2585.4	2404.4	2223.4
-40°	3112.7	3018.3	2884.5	2841.2	2758.5	2648.3	2506.7	2400.4	2286.3	2148.6	1995.1
-42.5°	2668.0	2597.2	2510.6	2435.9	2400.4	2321.7	2211.5	2109.2	2018.7	1924.3	1806.2
-45°	2302.1	2254.8	2199.7	2132.8	2105.3	2042.3	1963.6	1849.5	1798.4	1719.7	1633.1
-47.5°	2006.9	1983.3	1944.0	1900.7	1861.3	1814.1	1743.3	1672.4	1601.6	1550.4	1483.5
-50°	1774.7	1759.0	1735.4	1700.0	1648.8	1617.3	1570.1	1507.2	1440.3	1397.0	1349.8
-52.5°	1589.8	1574.1	1558.3	1530.8	1491.4	1459.9	1420.6	1369.4	1314.3	1271.0	1231.7
-55°	1448.1	1424.5	1412.7	1389.1	1357.6	1322.2	1286.8	1251.4	1204.2	1164.8	1125.4
-57.5°	1337.9	1306.5	1290.7	1271.0	1239.6	1204.2	1176.6	1141.2	1109.7	1066.4	1031.0
-60°	1251.4	1216.0	1184.5	1164.8	1137.3	1101.8	1074.3	1046.7	1015.3	979.8	936.6
-62.5°	1180.5	1137.3	1094.0	1070.4	1042.8	1011.3	983.8	956.2	924.8	889.3	850.0
-65°	1113.6	1062.5	1007.4	983.8	956.2	924.8	889.3	869.7	842.1	810.6	771.3
-67.5°	1031.0	975.9	928.7	901.1	873.6	846.1	814.6	794.9	767.4	728.0	688.6
-70°	909.0	873.6	842.1	818.5	794.9	771.3	739.8	708.3	676.8	641.4	606.0
-72.5°	755.5	743.7	739.8	728.0	700.5	672.9	641.4	609.9	582.4	554.9	527.3
-75°	609.9	617.8	625.7	621.8	594.2	566.7	539.1	511.6	491.9	468.3	444.7
-77.5°	484.0	491.9	499.8	499.8	480.1	464.3	444.7	425.0	409.3	389.6	366.0
-80°	373.8	385.6	397.4	405.3	389.6	377.8	362.0	346.3	330.6	314.8	299.1
-82.5°	283.3	295.1	306.9	314.8	303.0	295.1	283.3	271.5	259.7	244.0	232.2
-85°	204.6	212.5	220.4	224.3	216.4	208.6	200.7	192.8	185.0	173.1	165.3
-87.5°	118.1	122.0	125.9	129.9	122.0	114.1	110.2	102.3	98.4	90.5	86.6
-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: P722204
 CATALOG NUMBER: IFLD-S-SA6D-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°	98.4	90.5	82.6	78.7	70.8	59.0	51.2	43.3	35.4	27.5	23.6
85°	208.6	188.9	165.3	153.5	137.7	122.0	106.2	90.5	74.8	59.0	43.3
82.5°	358.1	334.5	310.9	283.3	247.9	204.6	161.3	133.8	110.2	86.6	66.9
80°	539.1	495.8	456.5	421.1	381.7	326.6	267.6	212.5	149.5	114.1	86.6
77.5°	747.7	696.5	641.4	582.4	519.4	444.7	377.8	306.9	232.2	157.4	110.2
75°	983.8	916.9	842.1	759.5	676.8	578.5	484.0	401.4	314.8	220.4	133.8
72.5°	1247.4	1164.8	1074.3	964.1	834.2	720.1	606.0	495.8	393.5	279.4	181.0
70°	1585.9	1456.0	1322.2	1204.2	1038.9	857.9	724.1	598.1	468.3	342.4	228.2
67.5°	1947.9	1790.5	1629.1	1456.0	1247.4	1034.9	842.1	700.5	547.0	401.4	271.5
65°	2341.4	2144.7	1940.0	1747.2	1459.9	1208.1	991.7	798.8	621.8	456.5	314.8
62.5°	2746.7	2514.6	2278.4	2026.6	1696.0	1385.2	1133.3	909.0	692.6	507.6	354.2
60°	3179.6	2908.1	2620.8	2306.0	1920.3	1578.0	1267.1	1023.1	767.4	558.8	397.4
57.5°	3636.1	3340.9	3002.5	2577.5	2152.5	1762.9	1420.6	1125.4	834.2	606.0	428.9
55°	4131.9	3793.5	3423.6	2860.8	2380.8	1947.9	1574.1	1227.8	905.1	645.4	460.4
52.5°	4667.1	4273.6	3805.3	3159.9	2620.8	2136.8	1715.7	1318.3	972.0	688.6	488.0
50°	5265.2	4769.4	4139.8	3435.4	2829.4	2313.9	1857.4	1416.6	1027.1	735.9	511.6
47.5°	5887.0	5351.8	4438.8	3691.2	3041.9	2487.0	2003.0	1503.2	1082.2	775.2	535.2
45°	6536.3	5757.1	4749.7	3919.4	3226.8	2644.4	2113.2	1581.9	1149.1	810.6	554.9
42.5°	7177.7	6064.0	5021.2	4147.6	3400.0	2786.1	2203.7	1656.7	1204.2	846.1	574.5
40°	7480.7	6296.2	5237.7	4305.0	3545.6	2912.0	2282.4	1723.6	1251.4	869.7	594.2
37.5°	7606.6	6437.9	5379.3	4454.6	3659.7	2978.9	2349.3	1782.6	1290.7	893.3	609.9
35°	7634.2	6489.0	5450.2	4556.9	3754.1	3041.9	2400.4	1825.9	1322.2	916.9	625.7
32.5°	7583.0	6473.3	5469.8	4592.3	3813.1	3089.1	2435.9	1857.4	1345.8	940.5	641.4
30°	7468.9	6390.7	5399.0	4588.4	3856.4	3116.6	2459.5	1881.0	1369.4	956.2	649.3
27.5°	7283.9	6245.1	5308.5	4592.3	3880.0	3128.4	2471.3	1892.8	1385.2	968.0	665.0
25°	7055.7	6048.3	5312.4	4584.4	3884.0	3132.4	2471.3	1892.8	1389.1	972.0	676.8
22.5°	6792.0	6048.3	5312.4	4572.6	3860.4	3124.5	2459.5	1884.9	1389.1	979.8	688.6
20°	6807.8	6052.2	5300.6	4549.0	3825.0	3100.9	2431.9	1865.3	1377.3	991.7	696.5
17.5°	6819.6	6044.4	5277.0	4517.5	3777.7	3061.5	2396.5	1837.7	1377.3	1003.5	700.5
15°	6819.6	6020.8	5241.6	4470.3	3718.7	3006.4	2345.3	1814.1	1381.2	1007.4	708.3
12.5°	6807.8	5977.5	5186.5	4407.4	3647.9	2939.5	2313.9	1806.2	1381.2	1011.3	708.3
10°	6784.2	5918.4	5115.7	4328.7	3581.0	2915.9	2298.1	1790.5	1373.4	1011.3	708.3
7.5°	6740.9	5847.6	5056.7	4281.4	3541.6	2888.4	2274.5	1766.9	1361.6	1003.5	716.2
5°	6674.0	5808.3	5009.4	4226.3	3486.5	2868.7	2258.8	1747.2	1353.7	1003.5	708.3
2.5°	6587.4	5761.0	4954.3	4155.5	3423.6	2801.8	2207.6	1703.9	1326.1	987.7	700.5
0°	6445.8	5666.6	4859.9	4057.1	3337.0	2734.9	2156.5	1660.6	1298.6	972.0	692.6
-2.5°	6315.9	5540.7	4737.9	3954.8	3254.4	2675.9	2117.1	1637.0	1286.8	968.0	688.6
-5°	6134.9	5367.5	4576.6	3821.0	3144.2	2616.9	2077.8	1609.5	1275.0	960.2	688.6
-7.5°	5934.2	5186.5	4407.4	3683.3	3034.0	2514.6	2003.0	1566.2	1247.4	944.4	684.7
-10°	5623.3	4915.0	4194.9	3525.9	2915.9	2424.0	1940.0	1526.8	1223.8	928.7	669.0
-12.5°	5292.8	4615.9	3950.9	3333.1	2782.1	2329.6	1869.2	1483.5	1196.3	913.0	661.1
-15°	4942.5	4309.0	3695.1	3132.4	2636.5	2215.5	1794.4	1436.3	1168.7	893.3	649.3
-17.5°	4576.6	3986.3	3431.4	2927.7	2490.9	2097.4	1715.7	1393.0	1137.3	873.6	637.5
-20°	4190.9	3655.7	3163.9	2719.2	2337.5	1979.4	1633.1	1341.9	1101.8	850.0	621.8



REPORT NUMBER: P722204

CATALOG NUMBER: IFLD-S-SA6D-830-U-76

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
-22.5°	3809.2	3329.1	2888.4	2514.6	2180.1	1857.4	1550.4	1290.7	1062.5	822.4	609.9
-25°	3470.8	3022.2	2644.4	2317.8	2026.6	1739.3	1463.9	1239.6	1019.2	794.9	594.2
-27.5°	3140.2	2758.5	2404.4	2132.8	1877.1	1625.2	1381.2	1184.5	975.9	763.4	578.5
-30°	2833.3	2506.7	2215.5	1951.8	1735.4	1522.9	1310.4	1129.4	928.7	731.9	558.8
-32.5°	2553.9	2290.3	2046.3	1794.4	1601.6	1420.6	1243.5	1074.3	881.5	700.5	539.1
-35°	2294.2	2089.6	1877.1	1664.6	1467.8	1326.1	1172.7	1015.3	838.2	665.0	519.4
-37.5°	2062.0	1896.7	1727.5	1546.5	1377.3	1235.6	1105.8	956.2	794.9	633.6	499.8
-40°	1861.3	1727.5	1578.0	1432.4	1290.7	1156.9	1038.9	897.2	751.6	609.9	480.1
-42.5°	1676.4	1574.1	1452.1	1330.1	1204.2	1086.1	972.0	834.2	708.3	582.4	460.4
-45°	1534.7	1432.4	1334.0	1223.8	1117.6	1015.3	901.1	779.2	669.0	550.9	440.7
-47.5°	1400.9	1310.4	1219.9	1129.4	1042.8	948.4	834.2	731.9	625.7	523.4	425.0
-50°	1282.9	1196.3	1117.6	1038.9	964.1	873.6	767.4	684.7	590.3	495.8	405.3
-52.5°	1172.7	1097.9	1019.2	956.2	893.3	802.8	716.2	637.5	554.9	464.3	385.6
-55°	1074.3	1003.5	932.6	873.6	814.6	735.9	665.0	598.1	519.4	440.7	366.0
-57.5°	979.8	920.8	853.9	798.8	739.8	676.8	617.8	554.9	484.0	417.1	346.3
-60°	893.3	838.2	779.2	724.1	672.9	621.8	566.7	515.5	452.5	389.6	326.6
-62.5°	806.7	759.5	708.3	653.2	613.9	566.7	523.4	472.2	421.1	366.0	291.2
-65°	728.0	684.7	637.5	590.3	554.9	519.4	480.1	432.9	389.6	338.4	259.7
-67.5°	649.3	609.9	570.6	531.2	499.8	472.2	432.9	397.4	362.0	306.9	228.2
-70°	574.5	543.0	507.6	476.2	452.5	421.1	393.5	362.0	330.6	267.6	192.8
-72.5°	503.7	472.2	444.7	421.1	401.4	373.8	350.2	326.6	283.3	224.3	161.3
-75°	421.1	401.4	385.6	366.0	346.3	326.6	306.9	279.4	236.1	181.0	125.9
-77.5°	346.3	334.5	322.7	306.9	291.2	275.5	251.8	224.3	188.9	141.7	102.3
-80°	283.3	271.5	263.7	247.9	236.1	220.4	196.8	173.1	137.7	110.2	82.6
-82.5°	216.4	208.6	200.7	192.8	181.0	165.3	141.7	122.0	102.3	82.6	63.0
-85°	153.5	149.5	141.7	133.8	122.0	110.2	94.4	82.6	70.8	55.1	43.3
-87.5°	78.7	74.8	70.8	66.9	63.0	55.1	47.2	39.4	35.4	27.5	19.7
-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: P722204
 CATALOG NUMBER: IFLD-S-SA6D-830-U-76

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0
87.5°	15.7	11.8	3.9	0.0
85°	31.5	19.7	7.9	0.0
82.5°	47.2	31.5	11.8	0.0
80°	63.0	39.4	19.7	0.0
77.5°	78.7	47.2	23.6	0.0
75°	94.4	59.0	27.5	0.0
72.5°	106.2	66.9	31.5	0.0
70°	125.9	78.7	35.4	0.0
67.5°	157.4	86.6	39.4	0.0
65°	185.0	94.4	43.3	0.0
62.5°	216.4	102.3	47.2	0.0
60°	244.0	110.2	51.2	0.0
57.5°	271.5	129.9	55.1	0.0
55°	295.1	145.6	59.0	0.0
52.5°	322.7	161.3	63.0	0.0
50°	346.3	177.1	66.9	0.0
47.5°	366.0	192.8	66.9	0.0
45°	381.7	204.6	70.8	0.0
42.5°	393.5	216.4	74.8	0.0
40°	405.3	228.2	78.7	0.0
37.5°	417.1	240.0	78.7	0.0
35°	428.9	251.8	82.6	0.0
32.5°	440.7	263.7	82.6	0.0
30°	448.6	271.5	86.6	0.0
27.5°	460.4	279.4	86.6	0.0
25°	464.3	287.3	90.5	0.0
22.5°	472.2	291.2	90.5	0.0
20°	480.1	299.1	90.5	0.0
17.5°	484.0	303.0	94.4	0.0
15°	484.0	306.9	98.4	0.0
12.5°	488.0	310.9	98.4	0.0
10°	488.0	318.7	94.4	0.0
7.5°	495.8	314.8	94.4	0.0
5°	491.9	314.8	94.4	0.0
2.5°	488.0	310.9	94.4	0.0
0°	484.0	310.9	94.4	0.0
-2.5°	484.0	310.9	94.4	0.0
-5°	484.0	310.9	94.4	0.0
-7.5°	480.1	314.8	94.4	0.0
-10°	472.2	314.8	94.4	0.0
-12.5°	468.3	303.0	94.4	0.0
-15°	464.3	299.1	94.4	0.0
-17.5°	456.5	295.1	90.5	0.0
-20°	448.6	291.2	90.5	0.0



REPORT NUMBER: P722204

CATALOG NUMBER: IFLD-S-SA6D-830-U-76

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	440.7	283.3	90.5	0.0
-25°	432.9	275.5	86.6	0.0
-27.5°	425.0	267.6	86.6	0.0
-30°	413.2	259.7	82.6	0.0
-32.5°	401.4	251.8	82.6	0.0
-35°	393.5	240.0	78.7	0.0
-37.5°	381.7	228.2	78.7	0.0
-40°	369.9	216.4	74.8	0.0
-42.5°	358.1	204.6	70.8	0.0
-45°	342.4	192.8	70.8	0.0
-47.5°	330.6	181.0	66.9	0.0
-50°	310.9	165.3	63.0	0.0
-52.5°	287.3	149.5	59.0	0.0
-55°	263.7	137.7	55.1	0.0
-57.5°	240.0	122.0	55.1	0.0
-60°	216.4	106.2	51.2	0.0
-62.5°	192.8	98.4	47.2	0.0
-65°	169.2	90.5	43.3	0.0
-67.5°	141.7	78.7	39.4	0.0
-70°	118.1	70.8	35.4	0.0
-72.5°	102.3	63.0	31.5	0.0
-75°	86.6	55.1	27.5	0.0
-77.5°	74.8	47.2	23.6	0.0
-80°	59.0	35.4	15.7	0.0
-82.5°	43.3	27.5	11.8	0.0
-85°	27.5	19.7	7.9	0.0
-87.5°	15.7	7.9	3.9	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)