

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: P722216

Luminaire Tested: **IFLD-L-SA8A-830-U-76**

Issue Date: 10/26/2023

Test Information

Test Method: LM-79-2019
Report Number: P722216
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8A-830-U-76
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7x6 Flood distribution lens
Light Source: (128) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

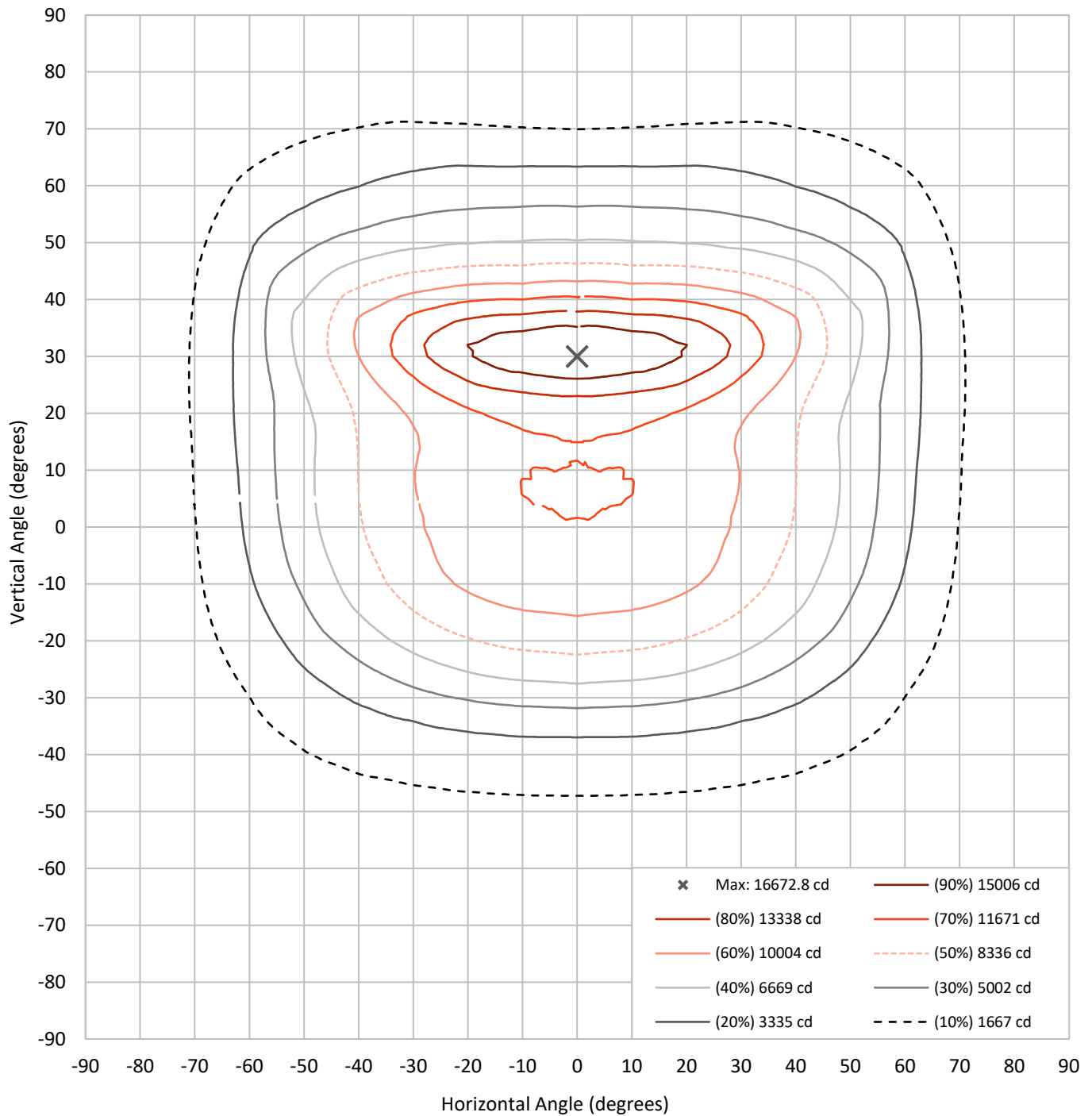
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	27831.1 lumens	Max Intensity:	16672.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	112.3 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')		
Beam Angle (50%):	90.8°H x 68.8°V	Field Angle (10%):	142°H x 117.1°V
Beam Lumens:	16184.1 lumens	Field Lumens:	26081.3 lumens
Beam Efficiency:	58.2%	Field Efficiency:	93.7%

Input Watts (W): 247.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



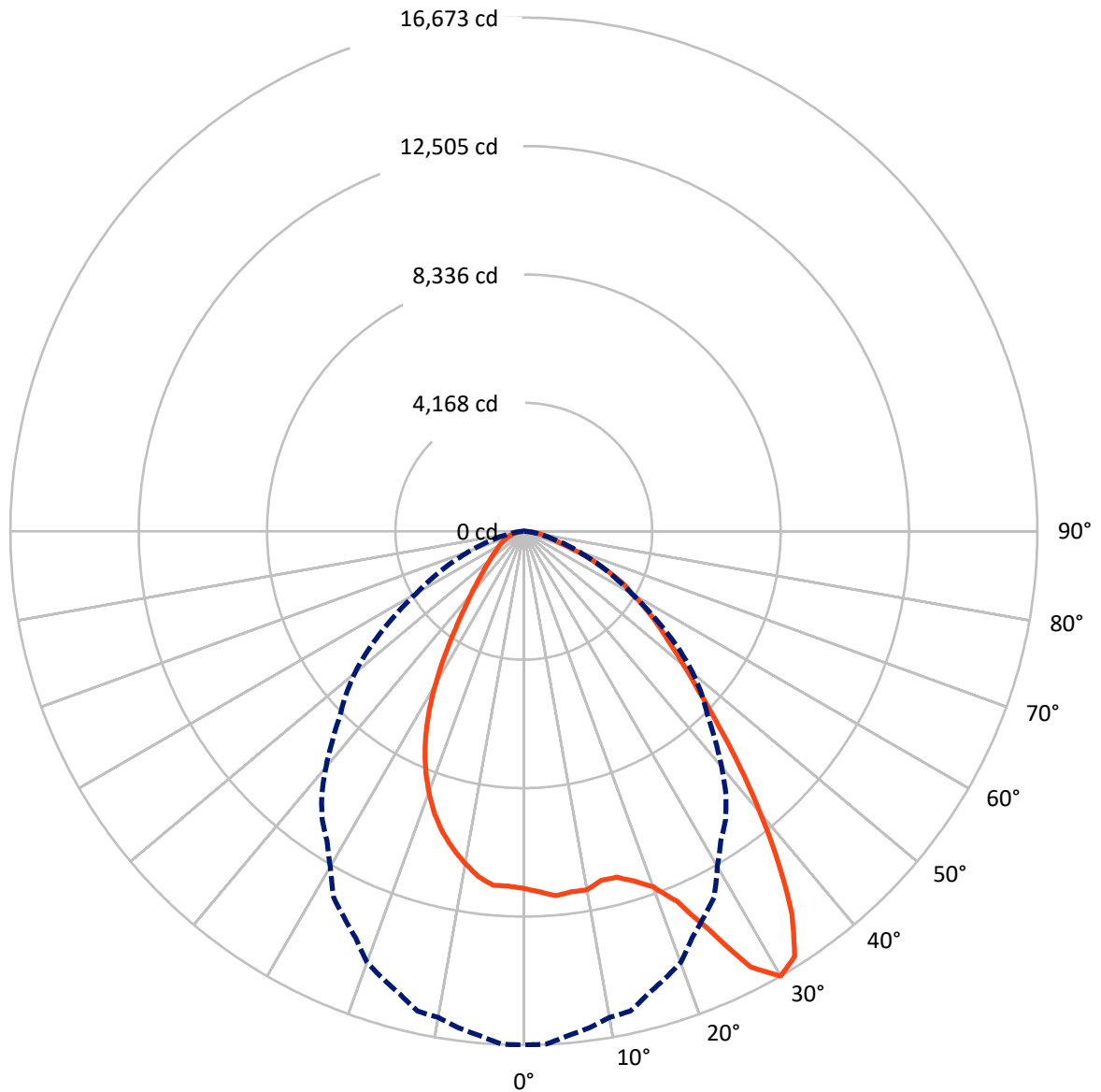
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Iso-Candela Plot



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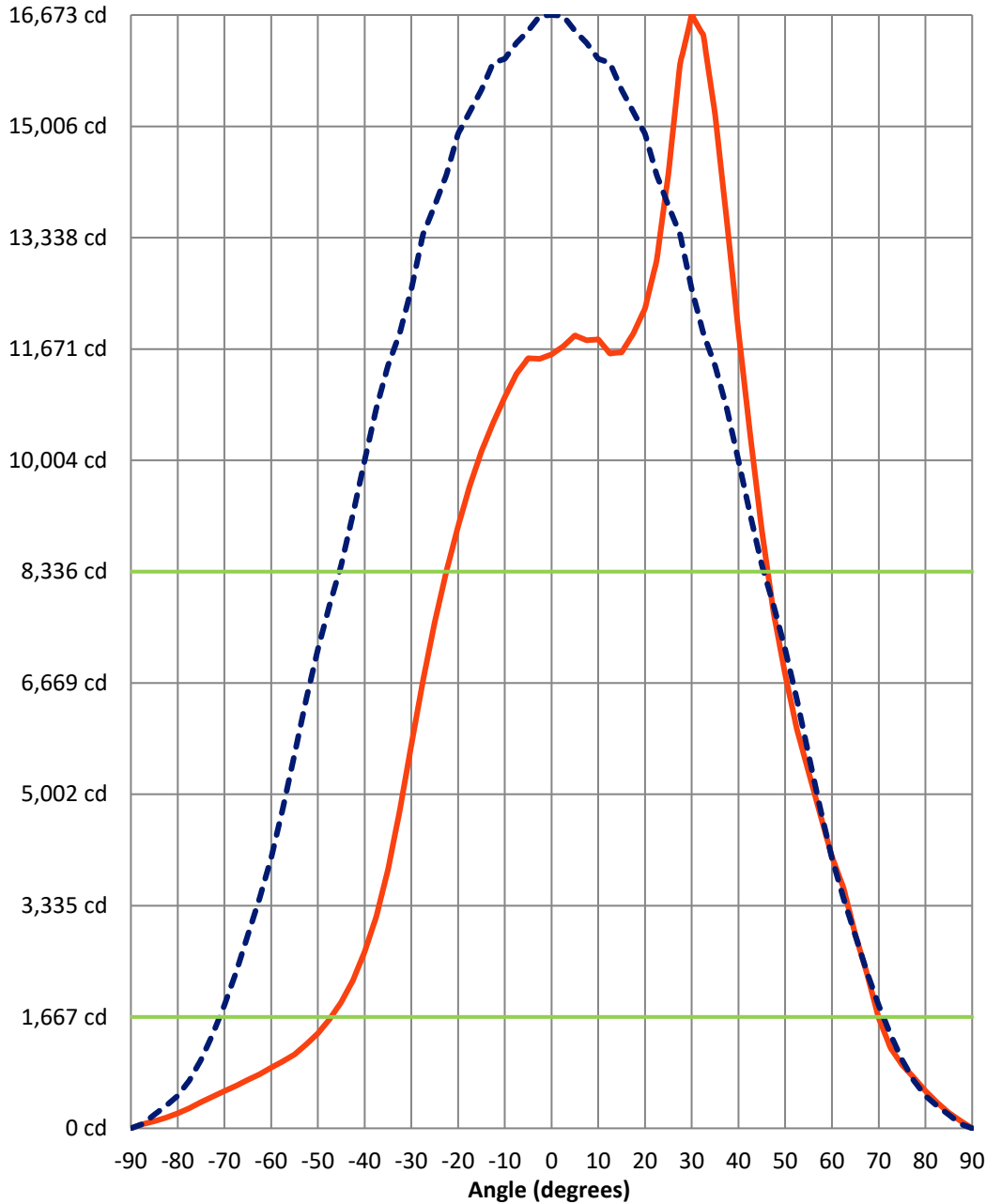
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 30-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 90.8°
 V Angle: 68.8°
 Lumens: 16184.1
 Efficiency: 58.2%

Field:
 H Angle: 142°
 V Angle: 117.1°
 Lumens: 26081.3
 Efficiency: 93.7%

Spill:
 Lumens: 1749.8
 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°	112.0	115.0	117.9	117.9	115.0	115.0	115.0	112.0	115.0	115.0	115.0
85°	232.9	238.8	244.7	241.8	238.8	232.9	227.0	230.0	232.9	235.9	235.9
82.5°	386.2	395.1	401.0	398.0	392.1	386.2	380.3	383.3	389.2	392.1	392.1
80°	560.2	563.1	566.1	572.0	563.1	563.1	560.2	572.0	577.9	583.8	589.7
77.5°	760.7	763.6	763.6	766.6	769.5	772.5	772.5	793.1	807.8	816.7	825.5
75°	949.4	958.2	967.1	975.9	987.7	993.6	1002.4	1031.9	1055.5	1073.2	1090.9
72.5°	1208.8	1220.6	1235.4	1256.0	1276.6	1291.4	1312.0	1347.4	1373.9	1391.6	1412.2
70°	1654.0	1665.8	1680.5	1695.3	1715.9	1730.7	1751.3	1795.5	1822.1	1833.9	1845.7
67.5°	2314.4	2343.9	2370.5	2341.0	2326.2	2305.6	2311.5	2352.8	2379.3	2397.0	2394.0
65°	2901.2	2921.8	2921.8	2918.8	2907.1	2880.5	2895.3	2945.4	2974.9	2989.6	2945.4
62.5°	3591.1	3591.1	3576.3	3599.9	3602.9	3585.2	3576.3	3579.3	3582.2	3591.1	3517.4
60°	4068.7	4098.2	4107.0	4127.7	4133.6	4133.6	4148.3	4160.1	4160.1	4142.4	4056.9
57.5°	4699.6	4755.7	4767.4	4752.7	4723.2	4684.9	4679.0	4661.3	4625.9	4590.5	4549.3
55°	5336.5	5366.0	5363.0	5354.2	5324.7	5280.5	5286.4	5262.8	5206.7	5162.5	5106.5
52.5°	5976.3	6047.0	6058.8	6041.1	5999.9	5952.7	5955.6	5929.1	5873.1	5825.9	5749.2
50°	6793.0	6851.9	6846.0	6816.5	6757.6	6722.2	6725.1	6675.0	6610.2	6595.4	6495.2
47.5°	7727.6	7795.4	7783.6	7742.3	7662.7	7648.0	7662.7	7597.8	7559.5	7527.1	7409.2
45°	8954.1	9033.7	8989.5	8909.9	8783.1	8797.8	8818.5	8806.7	8724.1	8638.6	8488.2
42.5°	10392.9	10443.0	10389.9	10310.3	10151.1	10180.6	10168.8	10098.0	10047.9	9906.4	9714.7
40°	11931.9	12041.0	11958.4	11834.6	11669.5	11713.7	11681.3	11589.9	11472.0	11295.1	11053.3
37.5°	13591.8	13677.3	13583.0	13438.5	13291.1	13276.3	13211.5	13069.9	12901.9	12707.3	12321.1
35°	15180.9	15402.1	15228.1	14998.2	14818.3	14750.5	14688.6	14361.3	14169.7	13854.2	13326.4
32.5°	16363.2	16525.4	16310.2	16071.3	15853.2	15758.8	15540.6	15151.5	15048.3	14384.9	13901.4
30°	16672.8	16661.0	16436.9	16254.1	16018.3	15953.4	15552.4	15222.2	14892.0	14278.8	13818.8
27.5°	15935.7	15862.0	15646.8	15487.6	15254.7	15178.0	14782.9	14606.0	14096.0	13577.1	13187.9
25°	14293.5	14331.8	14169.7	14090.1	13936.8	13771.6	13615.4	13376.6	13058.2	12604.1	12247.4
22.5°	12999.2	13049.3	12981.5	12887.1	12769.2	12677.8	12559.9	12374.1	12067.5	11787.4	11451.3
20°	12279.8	12265.1	12206.1	12135.3	12023.3	11958.4	11828.7	11672.4	11436.6	11194.8	10832.2
17.5°	11902.4	11811.0	11755.0	11728.5	11669.5	11586.9	11433.6	11274.4	11091.6	10817.4	10552.1
15°	11622.3	11637.1	11592.8	11572.2	11525.0	11410.0	11253.8	11124.0	10876.4	10737.8	10496.1
12.5°	11604.6	11589.9	11592.8	11584.0	11525.0	11377.6	11298.0	11132.9	10973.7	10790.9	10513.7
10°	11814.0	11657.7	11669.5	11710.8	11616.4	11498.5	11413.0	11233.1	11082.8	10849.9	10575.7
7.5°	11802.2	11722.6	11746.1	11678.3	11707.8	11563.3	11445.4	11265.6	11076.9	10829.2	10581.6
5°	11872.9	11752.0	11731.4	11737.3	11663.6	11554.5	11395.3	11224.3	11047.4	10770.2	10516.7
2.5°	11710.8	11728.5	11634.1	11598.7	11589.9	11407.1	11259.7	11094.6	10911.8	10667.1	10440.0
0°	11589.9	11622.3	11525.0	11474.9	11472.0	11315.7	11221.3	11032.6	10902.9	10699.5	10425.3
-2.5°	11525.0	11563.3	11575.1	11483.7	11395.3	11274.4	11115.2	10911.8	10699.5	10463.6	10227.8
-5°	11530.9	11454.3	11421.8	11451.3	11374.7	11253.8	11076.9	10897.0	10687.7	10434.1	10139.3
-7.5°	11298.0	11221.3	11215.4	11200.7	11183.0	11068.0	10920.6	10726.0	10513.7	10277.9	10003.7
-10°	10950.1	10894.1	10879.3	10864.6	10817.4	10749.6	10611.0	10434.1	10242.5	10006.6	9714.7
-12.5°	10563.9	10537.3	10481.3	10443.0	10395.8	10316.2	10183.5	10021.4	9829.7	9620.4	9369.8
-15°	10136.4	10086.2	10030.2	9997.8	9930.0	9835.6	9703.0	9552.6	9343.3	9136.9	8901.0
-17.5°	9620.4	9558.5	9496.6	9487.7	9440.6	9296.1	9172.3	8989.5	8806.7	8609.1	8379.2
-20°	9013.0	8927.5	8886.3	8862.7	8797.8	8691.7	8559.0	8390.9	8214.0	8025.4	7760.0



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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°	8340.8	8267.1	8196.4	8152.1	8096.1	8013.6	7886.8	7739.4	7565.4	7353.1	7108.4
-25°	7577.2	7474.0	7429.8	7379.7	7350.2	7273.5	7149.7	7014.1	6834.2	6627.8	6394.9
-27.5°	6704.5	6621.9	6598.4	6527.6	6492.2	6412.6	6309.4	6182.6	6017.5	5823.0	5631.3
-30°	5740.4	5690.3	5651.9	5581.2	5554.7	5469.2	5401.3	5295.2	5144.8	5006.3	4853.0
-32.5°	4749.8	4699.6	4687.8	4655.4	4637.7	4581.7	4505.0	4428.4	4307.5	4204.3	4080.5
-35°	3871.2	3835.8	3838.7	3835.8	3818.1	3776.8	3682.5	3661.8	3573.4	3479.0	3399.4
-37.5°	3169.5	3172.4	3169.5	3166.5	3142.9	3125.2	3057.4	3030.9	2977.8	2886.4	2839.2
-40°	2641.7	2647.6	2644.7	2638.8	2612.2	2603.4	2559.1	2523.8	2503.1	2438.3	2388.1
-42.5°	2214.2	2223.0	2220.1	2217.1	2199.5	2196.5	2172.9	2131.6	2119.8	2081.5	2028.5
-45°	1889.9	1886.9	1881.0	1886.9	1878.1	1869.2	1854.5	1828.0	1813.2	1795.5	1751.3
-47.5°	1633.4	1636.3	1630.4	1630.4	1618.6	1609.8	1603.9	1586.2	1574.4	1559.7	1533.1
-50°	1421.1	1432.9	1429.9	1427.0	1418.1	1412.2	1412.2	1394.6	1376.9	1371.0	1353.3
-52.5°	1256.0	1264.8	1267.8	1273.7	1276.6	1279.6	1270.7	1253.0	1223.6	1220.6	1211.8
-55°	1105.6	1132.2	1149.8	1161.6	1173.4	1182.3	1164.6	1141.0	1111.5	1099.7	1096.8
-57.5°	1002.4	1029.0	1049.6	1067.3	1082.0	1096.8	1079.1	1055.5	1029.0	1014.2	1011.3
-60°	908.1	931.7	952.3	975.9	996.5	1020.1	1011.3	993.6	978.8	967.1	955.3
-62.5°	807.8	831.4	855.0	884.5	911.0	934.6	937.6	934.6	931.7	934.6	914.0
-65°	725.3	737.1	751.8	784.3	813.7	840.3	855.0	863.9	878.6	893.3	872.7
-67.5°	636.8	651.6	669.3	692.9	716.4	734.1	754.8	778.4	801.9	825.5	810.8
-70°	557.2	569.0	583.8	595.6	610.3	622.1	639.8	666.3	692.9	716.4	710.5
-72.5°	474.7	486.5	495.3	501.2	510.1	516.0	524.8	548.4	566.1	577.9	577.9
-75°	392.1	403.9	412.8	415.7	421.6	424.6	430.5	439.3	448.1	451.1	454.0
-77.5°	300.7	312.5	321.4	327.3	333.2	339.1	342.0	347.9	350.9	350.9	353.8
-80°	224.1	232.9	238.8	247.7	250.6	256.5	262.4	265.3	268.3	268.3	271.2
-82.5°	159.2	165.1	171.0	176.9	182.8	185.7	191.6	194.6	197.5	200.5	203.4
-85°	106.1	112.0	117.9	123.8	126.8	129.7	132.7	135.6	138.6	141.5	144.5
-87.5°	61.9	64.9	67.8	73.7	76.7	82.6	85.5	82.6	85.5	85.5	85.5
-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):

	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°	115.0	115.0	115.0	115.0	112.0	106.1	103.2	97.3	91.4	85.5	79.6
85°	238.8	241.8	241.8	241.8	235.9	232.9	224.1	215.2	203.4	185.7	171.0
82.5°	398.0	401.0	401.0	398.0	392.1	383.3	371.5	356.7	333.2	309.6	288.9
80°	598.5	601.5	601.5	598.5	583.8	569.0	554.3	536.6	507.1	474.7	439.3
77.5°	837.3	843.2	843.2	834.4	813.7	796.0	772.5	743.0	698.8	651.6	604.4
75°	1114.5	1129.2	1132.2	1123.3	1096.8	1064.3	1026.0	975.9	908.1	849.1	793.1
72.5°	1435.8	1450.6	1462.4	1450.6	1412.2	1368.0	1312.0	1253.0	1185.2	1105.6	1011.3
70°	1857.4	1872.2	1881.0	1842.7	1774.9	1701.2	1633.4	1565.6	1486.0	1388.7	1285.5
67.5°	2388.1	2373.4	2355.7	2279.1	2193.6	2105.1	2010.8	1910.5	1807.3	1704.1	1583.3
65°	2898.2	2856.9	2818.6	2727.2	2618.1	2503.1	2394.0	2282.0	2158.2	2028.5	1913.5
62.5°	3434.8	3346.4	3252.0	3140.0	3027.9	2901.2	2792.1	2659.4	2520.8	2361.6	2214.2
60°	3962.6	3856.4	3762.1	3623.5	3476.1	3305.1	3187.1	3057.4	2895.3	2724.3	2550.3
57.5°	4472.6	4357.6	4254.4	4133.6	3974.3	3788.6	3658.9	3490.8	3319.8	3104.6	2927.7
55°	5015.1	4900.1	4817.6	4681.9	4508.0	4337.0	4195.5	4018.6	3779.8	3549.8	3331.6
52.5°	5637.2	5545.8	5457.4	5318.8	5109.5	4935.5	4779.2	4581.7	4331.1	4048.1	3785.7
50°	6333.0	6285.8	6191.5	6029.3	5790.5	5637.2	5430.8	5168.4	4900.1	4602.3	4275.1
47.5°	7255.8	7179.2	7046.5	6869.6	6669.1	6439.2	6162.0	5855.4	5475.0	5144.8	4796.9
45°	8358.5	8217.0	8046.0	7807.2	7559.5	7300.1	6996.4	6607.2	6097.1	5666.7	5301.1
42.5°	9552.6	9360.9	9128.0	8815.5	8494.1	8175.7	7848.5	7317.8	6680.9	6185.6	5772.8
40°	10799.7	10555.0	10263.1	9809.1	9452.3	9042.5	8668.1	7875.0	7196.9	6660.3	6221.0
37.5°	12020.3	11710.8	11221.3	10670.0	10254.3	9918.2	9095.6	8246.5	7639.1	7049.5	6604.3
35°	12955.0	12692.6	11828.7	11256.7	10900.0	10369.3	9340.3	8470.6	7827.8	7338.4	6645.5
32.5°	13509.2	12831.1	12073.4	11495.5	11200.7	10330.9	9358.0	8535.4	7916.3	7367.9	6539.4
30°	13385.4	12565.8	11902.4	11418.9	10779.1	9997.8	9192.9	8435.2	7833.7	7170.3	6421.5
27.5°	12639.5	12005.6	11413.0	10908.8	10280.8	9579.1	8836.1	8169.8	7609.6	6966.9	6259.3
25°	11796.3	11221.3	10782.0	10342.7	9747.2	9077.9	8423.4	7942.8	7379.7	6745.8	6047.0
22.5°	11020.9	10608.1	10263.1	9803.2	9222.4	8638.6	8231.7	7733.5	7155.6	6512.9	5828.8
20°	10525.5	10245.4	9850.4	9343.3	8886.3	8520.7	8069.6	7541.8	6946.3	6274.0	5643.1
17.5°	10286.7	9962.4	9523.1	9192.9	8842.0	8441.1	7936.9	7376.7	6742.8	6165.0	5663.7
15°	10162.9	9820.9	9531.9	9207.6	8812.6	8390.9	7830.8	7249.9	6742.8	6209.2	5678.5
12.5°	10189.4	9894.6	9579.1	9225.3	8800.8	8349.7	7842.6	7303.0	6778.2	6241.6	5681.4
10°	10272.0	9962.4	9626.3	9234.2	8806.7	8361.5	7875.0	7335.4	6795.9	6256.4	5675.5
7.5°	10301.5	9965.4	9605.7	9210.6	8791.9	8355.6	7880.9	7344.3	6798.8	6253.4	5657.8
5°	10210.1	9906.4	9558.5	9160.5	8750.6	8326.1	7857.3	7332.5	6775.3	6223.9	5613.6
2.5°	10086.2	9841.5	9508.4	9125.1	8709.4	8284.8	7819.0	7279.4	6722.2	6170.9	5557.6
0°	10065.6	9761.9	9425.8	9083.8	8641.6	8193.4	7730.5	7179.2	6624.9	6070.6	5460.3
-2.5°	9930.0	9608.6	9272.5	8901.0	8511.8	8060.7	7574.3	7034.7	6486.3	5940.9	5354.2
-5°	9826.8	9470.0	9113.3	8712.3	8320.2	7869.1	7364.9	6840.1	6303.5	5772.8	5206.7
-7.5°	9688.2	9322.6	8948.2	8529.5	8105.0	7645.0	7146.8	6621.9	6094.2	5566.4	5024.0
-10°	9408.1	9086.8	8735.9	8302.5	7854.3	7394.4	6899.1	6383.1	5855.4	5321.7	4776.3
-12.5°	9069.1	8730.0	8346.7	7948.7	7547.7	7120.2	6624.9	6117.8	5587.1	5050.5	4508.0
-15°	8629.8	8296.6	7904.5	7515.3	7129.1	6719.2	6282.9	5825.9	5286.4	4758.6	4216.1
-17.5°	8081.4	7768.8	7418.0	7046.5	6663.2	6250.5	5825.9	5439.7	4935.5	4440.2	3903.6
-20°	7491.7	7199.8	6884.3	6533.5	6150.2	5746.3	5345.3	4941.4	4505.0	4068.7	3570.4



REPORT NUMBER: P722216
 CATALOG NUMBER: IFLD-L-SA8A-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°	6878.5	6583.6	6265.2	5937.9	5584.1	5209.7	4838.2	4452.0	4068.7	3673.6	3252.0
-25°	6170.9	5911.4	5619.5	5301.1	4985.6	4658.4	4304.6	3953.7	3626.4	3284.4	2939.5
-27.5°	5430.8	5192.0	4926.7	4649.5	4378.3	4104.1	3797.4	3473.1	3201.9	2918.8	2632.9
-30°	4652.5	4460.8	4245.6	4003.8	3794.5	3573.4	3316.9	3048.6	2800.9	2585.7	2355.7
-32.5°	3915.4	3753.2	3599.9	3440.7	3234.3	3063.3	2886.4	2688.9	2470.7	2267.3	2102.2
-35°	3281.5	3107.5	3042.7	2924.7	2777.3	2627.0	2497.2	2355.7	2190.6	2010.8	1875.1
-37.5°	2747.8	2644.7	2553.3	2488.4	2391.1	2270.2	2167.0	2063.8	1937.1	1801.4	1665.8
-40°	2332.1	2261.4	2161.1	2128.7	2066.8	1984.2	1878.1	1798.5	1713.0	1609.8	1494.8
-42.5°	1999.0	1945.9	1881.0	1825.0	1798.5	1739.5	1657.0	1580.3	1512.5	1441.7	1353.3
-45°	1724.8	1689.4	1648.1	1598.0	1577.4	1530.2	1471.2	1385.7	1347.4	1288.4	1223.6
-47.5°	1503.6	1486.0	1456.5	1424.0	1394.6	1359.2	1306.1	1253.0	1200.0	1161.6	1111.5
-50°	1329.7	1317.9	1300.2	1273.7	1235.4	1211.8	1176.4	1129.2	1079.1	1046.7	1011.3
-52.5°	1191.1	1179.3	1167.5	1146.9	1117.4	1093.8	1064.3	1026.0	984.7	952.3	922.8
-55°	1085.0	1067.3	1058.5	1040.8	1017.2	990.6	964.1	937.6	902.2	872.7	843.2
-57.5°	1002.4	978.8	967.1	952.3	928.7	902.2	881.6	855.0	831.4	799.0	772.5
-60°	937.6	911.0	887.4	872.7	852.1	825.5	804.9	784.3	760.7	734.1	701.7
-62.5°	884.5	852.1	819.6	801.9	781.3	757.7	737.1	716.4	692.9	666.3	636.8
-65°	834.4	796.0	754.8	737.1	716.4	692.9	666.3	651.6	630.9	607.4	577.9
-67.5°	772.5	731.2	695.8	675.2	654.5	633.9	610.3	595.6	574.9	545.4	516.0
-70°	681.1	654.5	630.9	613.3	595.6	577.9	554.3	530.7	507.1	480.6	454.0
-72.5°	566.1	557.2	554.3	545.4	524.8	504.2	480.6	457.0	436.4	415.7	395.1
-75°	457.0	462.9	468.8	465.8	445.2	424.6	403.9	383.3	368.5	350.9	333.2
-77.5°	362.6	368.5	374.4	374.4	359.7	347.9	333.2	318.4	306.6	291.9	274.2
-80°	280.1	288.9	297.8	303.7	291.9	283.0	271.2	259.5	247.7	235.9	224.1
-82.5°	212.3	221.1	230.0	235.9	227.0	221.1	212.3	203.4	194.6	182.8	174.0
-85°	153.3	159.2	165.1	168.1	162.2	156.3	150.4	144.5	138.6	129.7	123.8
-87.5°	88.4	91.4	94.3	97.3	91.4	85.5	82.6	76.7	73.7	67.8	64.9
-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°	73.7	67.8	61.9	59.0	53.1	44.2	38.3	32.4	26.5	20.6	17.7
85°	156.3	141.5	123.8	115.0	103.2	91.4	79.6	67.8	56.0	44.2	32.4
82.5°	268.3	250.6	232.9	212.3	185.7	153.3	120.9	100.2	82.6	64.9	50.1
80°	403.9	371.5	342.0	315.5	286.0	244.7	200.5	159.2	112.0	85.5	64.9
77.5°	560.2	521.9	480.6	436.4	389.2	333.2	283.0	230.0	174.0	117.9	82.6
75°	737.1	687.0	630.9	569.0	507.1	433.4	362.6	300.7	235.9	165.1	100.2
72.5°	934.6	872.7	804.9	722.3	625.0	539.5	454.0	371.5	294.8	209.3	135.6
70°	1188.2	1090.9	990.6	902.2	778.4	642.7	542.5	448.1	350.9	256.5	171.0
67.5°	1459.4	1341.5	1220.6	1090.9	934.6	775.4	630.9	524.8	409.8	300.7	203.4
65°	1754.3	1606.8	1453.5	1309.1	1093.8	905.1	743.0	598.5	465.8	342.0	235.9
62.5°	2057.9	1884.0	1707.1	1518.4	1270.7	1037.8	849.1	681.1	518.9	380.3	265.3
60°	2382.3	2178.8	1963.6	1727.7	1438.8	1182.3	949.4	766.6	574.9	418.7	297.8
57.5°	2724.3	2503.1	2249.6	1931.2	1612.7	1320.9	1064.3	843.2	625.0	454.0	321.4
55°	3095.7	2842.2	2565.0	2143.4	1783.7	1459.4	1179.3	919.9	678.1	483.5	345.0
52.5°	3496.7	3201.9	2851.0	2367.5	1963.6	1600.9	1285.5	987.7	728.2	516.0	365.6
50°	3944.9	3573.4	3101.6	2573.9	2119.8	1733.6	1391.6	1061.4	769.5	551.3	383.3
47.5°	4410.7	4009.7	3325.7	2765.5	2279.1	1863.3	1500.7	1126.3	810.8	580.8	401.0
45°	4897.2	4313.4	3558.6	2936.5	2417.6	1981.3	1583.3	1185.2	860.9	607.4	415.7
42.5°	5377.8	4543.4	3762.1	3107.5	2547.4	2087.4	1651.1	1241.2	902.2	633.9	430.5
40°	5604.8	4717.3	3924.2	3225.5	2656.4	2181.8	1710.0	1291.4	937.6	651.6	445.2
37.5°	5699.1	4823.5	4030.4	3337.5	2741.9	2231.9	1760.2	1335.6	967.1	669.3	457.0
35°	5719.8	4861.8	4083.4	3414.2	2812.7	2279.1	1798.5	1368.0	990.6	687.0	468.8
32.5°	5681.4	4850.0	4098.2	3440.7	2856.9	2314.4	1825.0	1391.6	1008.3	704.7	480.6
30°	5595.9	4788.1	4045.1	3437.8	2889.4	2335.1	1842.7	1409.3	1026.0	716.4	486.5
27.5°	5457.4	4679.0	3977.3	3440.7	2907.1	2343.9	1851.6	1418.1	1037.8	725.3	498.3
25°	5286.4	4531.6	3980.2	3434.8	2910.0	2346.9	1851.6	1418.1	1040.8	728.2	507.1
22.5°	5088.8	4531.6	3980.2	3426.0	2892.3	2341.0	1842.7	1412.2	1040.8	734.1	516.0
20°	5100.6	4534.5	3971.4	3408.3	2865.8	2323.3	1822.1	1397.5	1031.9	743.0	521.9
17.5°	5109.5	4528.6	3953.7	3384.7	2830.4	2293.8	1795.5	1376.9	1031.9	751.8	524.8
15°	5109.5	4510.9	3927.2	3349.3	2786.2	2252.5	1757.2	1359.2	1034.9	754.8	530.7
12.5°	5100.6	4478.5	3885.9	3302.1	2733.1	2202.4	1733.6	1353.3	1034.9	757.7	530.7
10°	5082.9	4434.3	3832.8	3243.2	2683.0	2184.7	1721.8	1341.5	1029.0	757.7	530.7
7.5°	5050.5	4381.2	3788.6	3207.8	2653.5	2164.1	1704.1	1323.8	1020.1	751.8	536.6
5°	5000.4	4351.7	3753.2	3166.5	2612.2	2149.3	1692.3	1309.1	1014.2	751.8	530.7
2.5°	4935.5	4316.4	3711.9	3113.4	2565.0	2099.2	1654.0	1276.6	993.6	740.0	524.8
0°	4829.4	4245.6	3641.2	3039.7	2500.2	2049.1	1615.7	1244.2	972.9	728.2	518.9
-2.5°	4732.1	4151.2	3549.8	2963.1	2438.3	2004.9	1586.2	1226.5	964.1	725.3	516.0
-5°	4596.4	4021.5	3428.9	2862.8	2355.7	1960.6	1556.7	1205.9	955.3	719.4	516.0
-7.5°	4446.1	3885.9	3302.1	2759.6	2273.2	1884.0	1500.7	1173.4	934.6	707.6	513.0
-10°	4213.2	3682.5	3142.9	2641.7	2184.7	1816.2	1453.5	1144.0	916.9	695.8	501.2
-12.5°	3965.5	3458.4	2960.1	2497.2	2084.5	1745.4	1400.5	1111.5	896.3	684.0	495.3
-15°	3703.1	3228.4	2768.5	2346.9	1975.4	1659.9	1344.4	1076.1	875.7	669.3	486.5
-17.5°	3428.9	2986.7	2570.9	2193.6	1866.3	1571.5	1285.5	1043.7	852.1	654.5	477.6
-20°	3140.0	2739.0	2370.5	2037.3	1751.3	1483.0	1223.6	1005.4	825.5	636.8	465.8



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CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
-22.5°	2854.0	2494.3	2164.1	1884.0	1633.4	1391.6	1161.6	967.1	796.0	616.2	457.0
-25°	2600.4	2264.3	1981.3	1736.6	1518.4	1303.2	1096.8	928.7	763.6	595.6	445.2
-27.5°	2352.8	2066.8	1801.4	1598.0	1406.4	1217.7	1034.9	887.4	731.2	572.0	433.4
-30°	2122.8	1878.1	1659.9	1462.4	1300.2	1141.0	981.8	846.2	695.8	548.4	418.7
-32.5°	1913.5	1715.9	1533.1	1344.4	1200.0	1064.3	931.7	804.9	660.4	524.8	403.9
-35°	1718.9	1565.6	1406.4	1247.1	1099.7	993.6	878.6	760.7	628.0	498.3	389.2
-37.5°	1544.9	1421.1	1294.3	1158.7	1031.9	925.8	828.5	716.4	595.6	474.7	374.4
-40°	1394.6	1294.3	1182.3	1073.2	967.1	866.8	778.4	672.2	563.1	457.0	359.7
-42.5°	1256.0	1179.3	1087.9	996.5	902.2	813.7	728.2	625.0	530.7	436.4	345.0
-45°	1149.8	1073.2	999.5	916.9	837.3	760.7	675.2	583.8	501.2	412.8	330.2
-47.5°	1049.6	981.8	914.0	846.2	781.3	710.5	625.0	548.4	468.8	392.1	318.4
-50°	961.2	896.3	837.3	778.4	722.3	654.5	574.9	513.0	442.2	371.5	303.7
-52.5°	878.6	822.6	763.6	716.4	669.3	601.5	536.6	477.6	415.7	347.9	288.9
-55°	804.9	751.8	698.8	654.5	610.3	551.3	498.3	448.1	389.2	330.2	274.2
-57.5°	734.1	689.9	639.8	598.5	554.3	507.1	462.9	415.7	362.6	312.5	259.5
-60°	669.3	628.0	583.8	542.5	504.2	465.8	424.6	386.2	339.1	291.9	244.7
-62.5°	604.4	569.0	530.7	489.4	459.9	424.6	392.1	353.8	315.5	274.2	218.2
-65°	545.4	513.0	477.6	442.2	415.7	389.2	359.7	324.3	291.9	253.6	194.6
-67.5°	486.5	457.0	427.5	398.0	374.4	353.8	324.3	297.8	271.2	230.0	171.0
-70°	430.5	406.9	380.3	356.7	339.1	315.5	294.8	271.2	247.7	200.5	144.5
-72.5°	377.4	353.8	333.2	315.5	300.7	280.1	262.4	244.7	212.3	168.1	120.9
-75°	315.5	300.7	288.9	274.2	259.5	244.7	230.0	209.3	176.9	135.6	94.3
-77.5°	259.5	250.6	241.8	230.0	218.2	206.4	188.7	168.1	141.5	106.1	76.7
-80°	212.3	203.4	197.5	185.7	176.9	165.1	147.4	129.7	103.2	82.6	61.9
-82.5°	162.2	156.3	150.4	144.5	135.6	123.8	106.1	91.4	76.7	61.9	47.2
-85°	115.0	112.0	106.1	100.2	91.4	82.6	70.8	61.9	53.1	41.3	32.4
-87.5°	59.0	56.0	53.1	50.1	47.2	41.3	35.4	29.5	26.5	20.6	14.7
-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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 CATALOG NUMBER: IFLD-L-SA8A-830-U-76

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0
87.5°	11.8	8.8	2.9	0.0
85°	23.6	14.7	5.9	0.0
82.5°	35.4	23.6	8.8	0.0
80°	47.2	29.5	14.7	0.0
77.5°	59.0	35.4	17.7	0.0
75°	70.8	44.2	20.6	0.0
72.5°	79.6	50.1	23.6	0.0
70°	94.3	59.0	26.5	0.0
67.5°	117.9	64.9	29.5	0.0
65°	138.6	70.8	32.4	0.0
62.5°	162.2	76.7	35.4	0.0
60°	182.8	82.6	38.3	0.0
57.5°	203.4	97.3	41.3	0.0
55°	221.1	109.1	44.2	0.0
52.5°	241.8	120.9	47.2	0.0
50°	259.5	132.7	50.1	0.0
47.5°	274.2	144.5	50.1	0.0
45°	286.0	153.3	53.1	0.0
42.5°	294.8	162.2	56.0	0.0
40°	303.7	171.0	59.0	0.0
37.5°	312.5	179.8	59.0	0.0
35°	321.4	188.7	61.9	0.0
32.5°	330.2	197.5	61.9	0.0
30°	336.1	203.4	64.9	0.0
27.5°	345.0	209.3	64.9	0.0
25°	347.9	215.2	67.8	0.0
22.5°	353.8	218.2	67.8	0.0
20°	359.7	224.1	67.8	0.0
17.5°	362.6	227.0	70.8	0.0
15°	362.6	230.0	73.7	0.0
12.5°	365.6	232.9	73.7	0.0
10°	365.6	238.8	70.8	0.0
7.5°	371.5	235.9	70.8	0.0
5°	368.5	235.9	70.8	0.0
2.5°	365.6	232.9	70.8	0.0
0°	362.6	232.9	70.8	0.0
-2.5°	362.6	232.9	70.8	0.0
-5°	362.6	232.9	70.8	0.0
-7.5°	359.7	235.9	70.8	0.0
-10°	353.8	235.9	70.8	0.0
-12.5°	350.9	227.0	70.8	0.0
-15°	347.9	224.1	70.8	0.0
-17.5°	342.0	221.1	67.8	0.0
-20°	336.1	218.2	67.8	0.0



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 CATALOG NUMBER: IFLD-L-SA8A-830-U-76

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	330.2	212.3	67.8	0.0
-25°	324.3	206.4	64.9	0.0
-27.5°	318.4	200.5	64.9	0.0
-30°	309.6	194.6	61.9	0.0
-32.5°	300.7	188.7	61.9	0.0
-35°	294.8	179.8	59.0	0.0
-37.5°	286.0	171.0	59.0	0.0
-40°	277.1	162.2	56.0	0.0
-42.5°	268.3	153.3	53.1	0.0
-45°	256.5	144.5	53.1	0.0
-47.5°	247.7	135.6	50.1	0.0
-50°	232.9	123.8	47.2	0.0
-52.5°	215.2	112.0	44.2	0.0
-55°	197.5	103.2	41.3	0.0
-57.5°	179.8	91.4	41.3	0.0
-60°	162.2	79.6	38.3	0.0
-62.5°	144.5	73.7	35.4	0.0
-65°	126.8	67.8	32.4	0.0
-67.5°	106.1	59.0	29.5	0.0
-70°	88.4	53.1	26.5	0.0
-72.5°	76.7	47.2	23.6	0.0
-75°	64.9	41.3	20.6	0.0
-77.5°	56.0	35.4	17.7	0.0
-80°	44.2	26.5	11.8	0.0
-82.5°	32.4	20.6	8.8	0.0
-85°	20.6	14.7	5.9	0.0
-87.5°	11.8	5.9	2.9	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)