

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: P722181

Luminaire Tested: **IFLD-M-SA4E-827-U-76**

Issue Date: 10/26/2023

Test Information

Test Method: LM-79-2019
Report Number: P722181
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4E-827-U-76
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7x6 Flood distribution lens
Light Source: (64) 2700K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

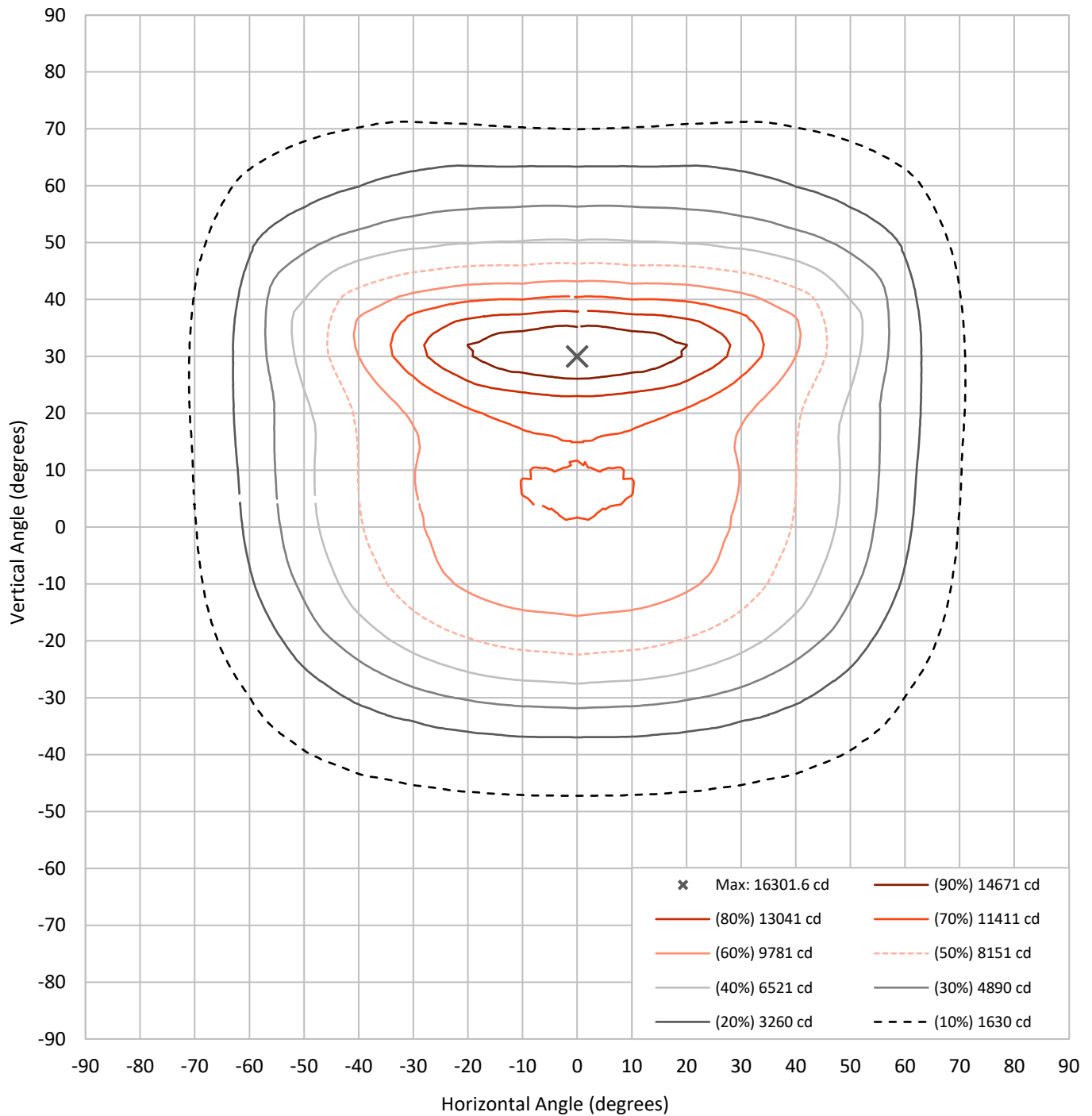
Lumens per Lamp: N/A	NEMA Type: 7H x 6V
Luminaire Lumens: 27211.5 lumens	Max Intensity: 16301.6 candela
Efficiency: N/A	Max Intensity Angle: 0°H x 30°V
Efficacy: 86.4 lumens/watt	
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')	
Beam Angle (50%): 90.8°H x 68.8°V	Field Angle (10%): 142°H x 117.1°V
Beam Lumens: 15823.8 lumens	Field Lumens: 25500.7 lumens
Beam Efficiency: 58.2%	Field Efficiency: 93.7%

Input Watts (W): 314.8
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



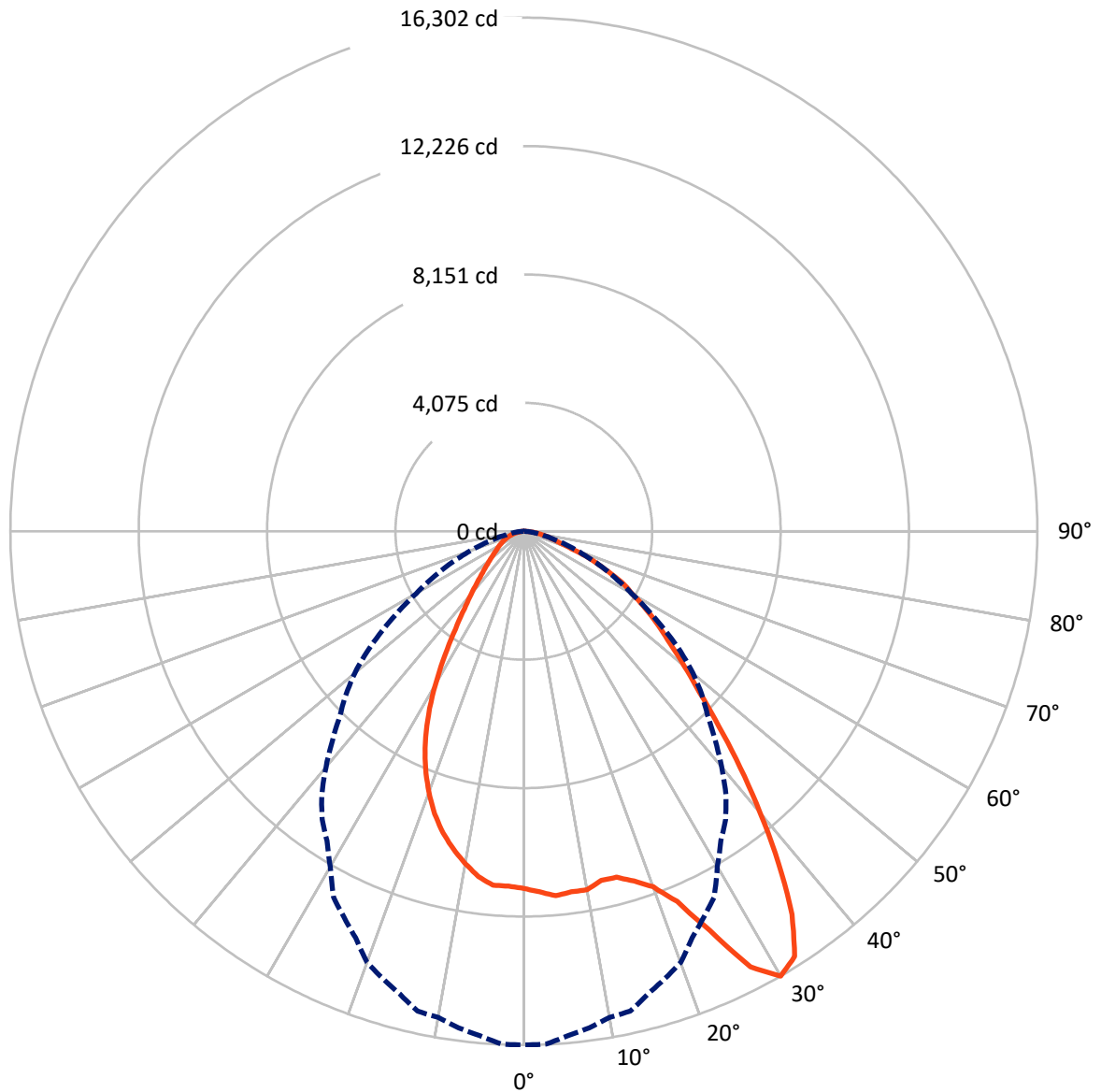
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Iso-Candela Plot



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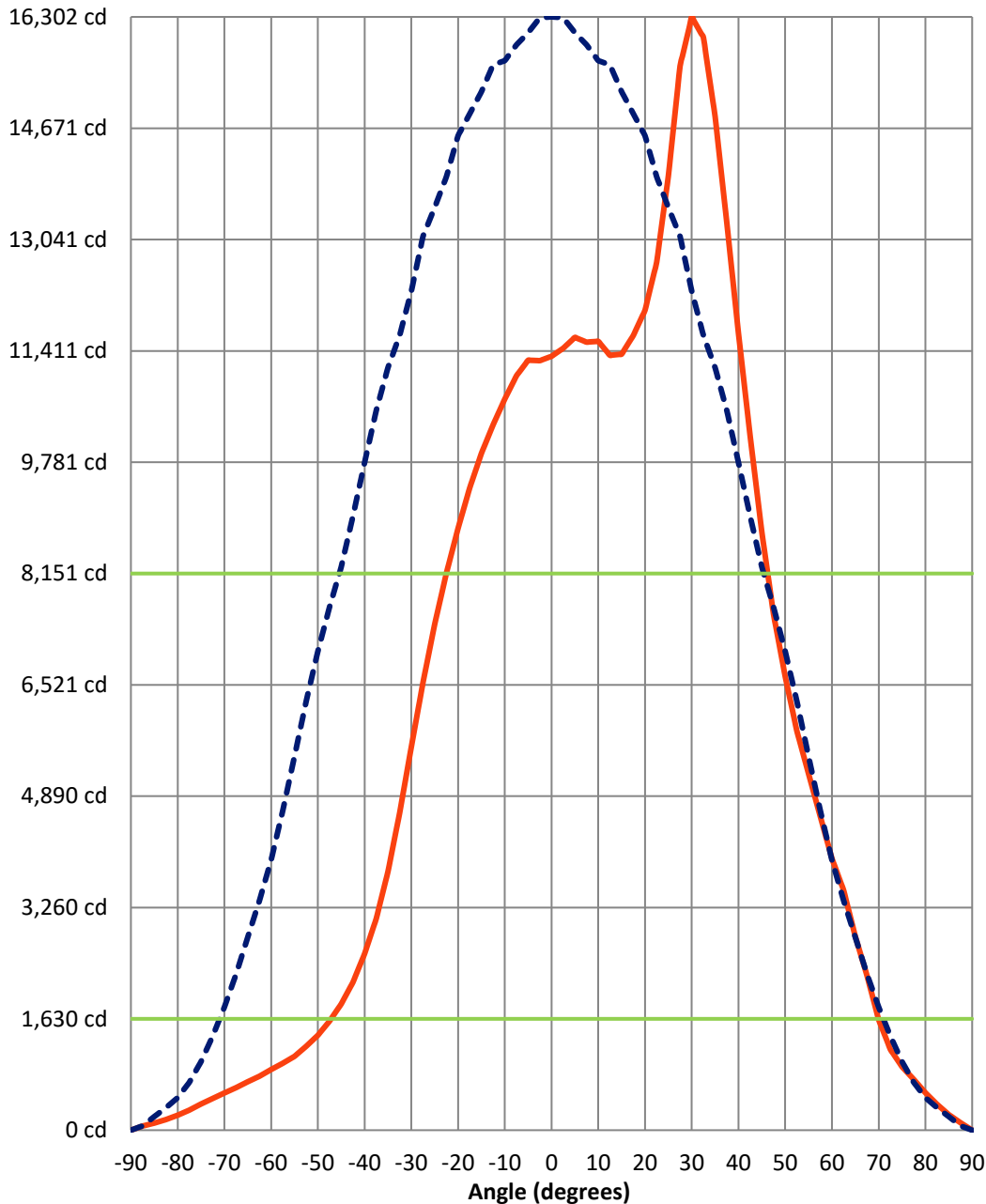
Luminous Intensity Polar Plot



— 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: 15823.8
 Efficiency: 58.2%

Field:
 H Angle: 142°
 V Angle: 117.1°
 Lumens: 25500.7
 Efficiency: 93.7%

Spill:
 Lumens: 1710.8
 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°	109.5	112.4	115.3	115.3	112.4	112.4	112.4	109.5	112.4	112.4	112.4
85°	227.7	233.5	239.3	236.4	233.5	227.7	222.0	224.8	227.7	230.6	230.6
82.5°	377.6	386.3	392.0	389.2	383.4	377.6	371.9	374.7	380.5	383.4	383.4
80°	547.7	550.6	553.5	559.2	550.6	550.6	547.7	559.2	565.0	570.8	576.5
77.5°	743.7	746.6	746.6	749.5	752.4	755.3	755.3	775.4	789.9	798.5	807.2
75°	928.2	936.9	945.5	954.2	965.7	971.5	980.1	1008.9	1032.0	1049.3	1066.6
72.5°	1181.9	1193.4	1207.8	1228.0	1248.2	1262.6	1282.8	1317.4	1343.3	1360.6	1380.8
70°	1617.2	1628.7	1643.1	1657.5	1677.7	1692.1	1712.3	1755.6	1781.5	1793.0	1804.6
67.5°	2262.9	2291.7	2317.7	2288.9	2274.4	2254.3	2260.0	2300.4	2326.3	2343.6	2340.7
65°	2836.6	2856.7	2856.7	2853.9	2842.3	2816.4	2830.8	2879.8	2908.6	2923.0	2879.8
62.5°	3511.1	3511.1	3496.7	3519.8	3522.6	3505.4	3496.7	3499.6	3502.5	3511.1	3439.0
60°	3978.1	4006.9	4015.6	4035.8	4041.5	4041.5	4055.9	4067.5	4067.5	4050.2	3966.6
57.5°	4595.0	4649.8	4661.3	4646.9	4618.1	4580.6	4574.8	4557.5	4522.9	4488.3	4448.0
55°	5217.7	5246.5	5243.6	5235.0	5206.1	5162.9	5168.7	5145.6	5090.8	5047.6	4992.8
52.5°	5843.2	5912.4	5923.9	5906.6	5866.3	5820.1	5823.0	5797.1	5742.3	5696.2	5621.2
50°	6641.7	6699.4	6693.6	6664.8	6607.1	6572.5	6575.4	6526.4	6463.0	6448.6	6350.6
47.5°	7555.5	7621.8	7610.3	7569.9	7492.1	7477.7	7492.1	7428.7	7391.2	7359.5	7244.2
45°	8754.7	8832.6	8789.3	8711.5	8587.5	8601.9	8622.1	8610.6	8529.9	8446.3	8299.3
42.5°	10161.5	10210.5	10158.6	10080.8	9925.1	9953.9	9942.4	9873.2	9824.2	9685.8	9498.5
40°	11666.2	11772.9	11692.2	11571.1	11409.7	11452.9	11421.2	11331.9	11216.5	11043.6	10807.2
37.5°	13289.2	13372.8	13280.5	13139.3	12995.2	12980.7	12917.3	12779.0	12614.6	12424.4	12046.8
35°	14843.0	15059.2	14889.1	14664.2	14488.4	14422.1	14361.6	14041.6	13854.2	13545.8	13029.8
32.5°	15998.9	16157.5	15947.0	15713.5	15500.2	15408.0	15194.7	14814.1	14713.2	14064.6	13591.9
30°	16301.6	16290.1	16071.0	15892.3	15661.7	15598.2	15206.2	14883.3	14560.5	13960.9	13511.2
27.5°	15580.9	15508.9	15298.4	15142.8	14915.0	14840.1	14453.8	14280.8	13782.1	13274.8	12894.3
25°	13975.3	14012.8	13854.2	13776.4	13626.5	13465.0	13312.3	13078.8	12767.4	12323.5	11974.7
22.5°	12709.8	12758.8	12692.5	12600.2	12484.9	12395.6	12280.3	12098.6	11798.8	11525.0	11196.4
20°	12006.4	11992.0	11934.3	11865.1	11755.6	11692.2	11565.3	11412.6	11182.0	10945.6	10591.0
17.5°	11637.4	11548.1	11493.3	11467.3	11409.7	11329.0	11179.1	11023.4	10844.7	10576.6	10317.1
15°	11363.6	11378.0	11334.7	11314.6	11268.4	11156.0	11003.2	10876.4	10634.2	10498.8	10262.4
12.5°	11346.3	11331.9	11334.7	11326.1	11268.4	11124.3	11046.5	10885.0	10729.4	10550.6	10279.7
10°	11550.9	11398.2	11409.7	11450.0	11357.8	11242.5	11158.9	10983.0	10836.0	10608.3	10340.2
7.5°	11539.4	11461.6	11484.6	11418.3	11447.2	11305.9	11190.6	11014.8	10830.3	10588.1	10346.0
5°	11608.6	11490.4	11470.2	11476.0	11403.9	11297.3	11141.6	10974.4	10801.4	10530.5	10282.6
2.5°	11450.0	11467.3	11375.1	11340.5	11331.9	11153.1	11009.0	10847.6	10668.8	10429.6	10207.6
0°	11331.9	11363.6	11268.4	11219.4	11216.5	11063.8	10971.5	10787.0	10660.2	10461.3	10193.2
-2.5°	11268.4	11305.9	11317.4	11228.1	11141.6	11023.4	10867.7	10668.8	10461.3	10230.7	10000.0
-5°	11274.2	11199.2	11167.5	11196.4	11121.4	11003.2	10830.3	10654.4	10449.7	10201.8	9913.6
-7.5°	11046.5	10971.5	10965.8	10951.3	10934.0	10821.6	10677.5	10487.2	10279.7	10049.1	9781.0
-10°	10706.3	10651.5	10637.1	10622.7	10576.6	10510.3	10374.8	10201.8	10014.5	9783.8	9498.5
-12.5°	10328.7	10302.7	10248.0	10210.5	10164.4	10086.5	9956.8	9798.3	9610.9	9406.2	9161.2
-15°	9910.7	9861.7	9806.9	9775.2	9708.9	9616.7	9486.9	9339.9	9135.2	8933.5	8702.8
-17.5°	9406.2	9345.7	9285.1	9276.5	9230.4	9089.1	8968.0	8789.3	8610.6	8417.5	8192.6
-20°	8812.4	8728.8	8688.4	8665.4	8601.9	8498.2	8368.4	8204.1	8031.2	7846.7	7587.2



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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°	8155.1	8083.1	8013.9	7970.6	7915.9	7835.1	7711.2	7567.1	7397.0	7189.4	6950.2
-25°	7408.5	7307.6	7264.4	7215.4	7186.5	7111.6	6990.5	6857.9	6682.1	6480.3	6252.6
-27.5°	6555.2	6474.5	6451.5	6382.3	6347.7	6269.8	6169.0	6045.0	5883.6	5693.3	5505.9
-30°	5612.6	5563.6	5526.1	5456.9	5431.0	5347.4	5281.1	5177.3	5030.3	4894.8	4744.9
-32.5°	4644.0	4595.0	4583.5	4551.8	4534.5	4479.7	4404.7	4329.8	4211.6	4110.7	3989.6
-35°	3785.0	3750.4	3753.3	3750.4	3733.1	3692.7	3600.5	3580.3	3493.8	3401.6	3323.7
-37.5°	3098.9	3101.8	3098.9	3096.0	3072.9	3055.7	2989.3	2963.4	2911.5	2822.2	2776.0
-40°	2582.9	2588.7	2585.8	2580.0	2554.1	2545.4	2502.2	2467.6	2447.4	2384.0	2335.0
-42.5°	2164.9	2173.5	2170.7	2167.8	2150.5	2147.6	2124.5	2084.2	2072.7	2035.2	1983.3
-45°	1847.8	1844.9	1839.2	1844.9	1836.3	1827.6	1813.2	1787.3	1772.9	1755.6	1712.3
-47.5°	1597.0	1599.9	1594.1	1594.1	1582.6	1573.9	1568.2	1550.9	1539.4	1524.9	1499.0
-50°	1389.5	1401.0	1398.1	1395.2	1386.6	1380.8	1380.8	1363.5	1346.2	1340.5	1323.2
-52.5°	1228.0	1236.7	1239.6	1245.3	1248.2	1251.1	1242.4	1225.1	1196.3	1193.4	1184.8
-55°	1081.0	1107.0	1124.2	1135.8	1147.3	1156.0	1138.7	1115.6	1086.8	1075.2	1072.4
-57.5°	980.1	1006.1	1026.2	1043.5	1057.9	1072.4	1055.1	1032.0	1006.1	991.6	988.8
-60°	887.9	910.9	931.1	954.2	974.3	997.4	988.8	971.5	957.1	945.5	934.0
-62.5°	789.9	812.9	836.0	864.8	890.8	913.8	916.7	913.8	910.9	913.8	893.6
-65°	709.1	720.7	735.1	766.8	795.6	821.6	836.0	844.6	859.0	873.5	853.3
-67.5°	622.7	637.1	654.4	677.4	700.5	717.8	738.0	761.0	784.1	807.2	792.7
-70°	544.8	556.4	570.8	582.3	596.7	608.2	625.5	651.5	677.4	700.5	694.7
-72.5°	464.1	475.6	484.3	490.1	498.7	504.5	513.1	536.2	553.5	565.0	565.0
-75°	383.4	394.9	403.6	406.5	412.2	415.1	420.9	429.5	438.2	441.1	443.9
-77.5°	294.0	305.6	314.2	320.0	325.7	331.5	334.4	340.2	343.0	343.0	345.9
-80°	219.1	227.7	233.5	242.1	245.0	250.8	256.6	259.4	262.3	262.3	265.2
-82.5°	155.7	161.4	167.2	173.0	178.7	181.6	187.4	190.3	193.1	196.0	198.9
-85°	103.8	109.5	115.3	121.1	124.0	126.8	129.7	132.6	135.5	138.4	141.3
-87.5°	60.5	63.4	66.3	72.1	74.9	80.7	83.6	80.7	83.6	83.6	83.6
-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°	112.4	112.4	112.4	112.4	109.5	103.8	100.9	95.1	89.4	83.6	77.8
85°	233.5	236.4	236.4	236.4	230.6	227.7	219.1	210.4	198.9	181.6	167.2
82.5°	389.2	392.0	392.0	389.2	383.4	374.7	363.2	348.8	325.7	302.7	282.5
80°	585.2	588.1	588.1	585.2	570.8	556.4	541.9	524.6	495.8	464.1	429.5
77.5°	818.7	824.4	824.4	815.8	795.6	778.3	755.3	726.4	683.2	637.1	591.0
75°	1089.7	1104.1	1107.0	1098.3	1072.4	1040.7	1003.2	954.2	887.9	830.2	775.4
72.5°	1403.9	1418.3	1429.8	1418.3	1380.8	1337.6	1282.8	1225.1	1158.8	1081.0	988.8
70°	1816.1	1830.5	1839.2	1801.7	1735.4	1663.3	1597.0	1530.7	1452.9	1357.7	1256.9
67.5°	2335.0	2320.6	2303.3	2228.3	2144.7	2058.2	1966.0	1868.0	1767.1	1666.2	1548.0
65°	2833.7	2793.3	2755.9	2666.5	2559.8	2447.4	2340.7	2231.2	2110.1	1983.3	1870.9
62.5°	3358.3	3271.9	3179.6	3070.1	2960.5	2836.6	2729.9	2600.2	2464.7	2309.0	2164.9
60°	3874.3	3770.6	3678.3	3542.8	3398.7	3231.5	3116.2	2989.3	2830.8	2663.6	2493.5
57.5°	4373.0	4260.6	4159.7	4041.5	3885.9	3704.3	3577.4	3413.1	3245.9	3035.5	2862.5
55°	4903.5	4791.0	4710.3	4577.7	4407.6	4240.4	4102.1	3929.1	3695.6	3470.8	3257.4
52.5°	5511.7	5422.3	5335.9	5200.4	4995.7	4825.6	4672.8	4479.7	4234.7	3957.9	3701.4
50°	6192.0	6145.9	6053.6	5895.1	5661.6	5511.7	5309.9	5053.4	4791.0	4499.9	4179.9
47.5°	7094.3	7019.3	6889.6	6716.7	6520.6	6295.8	6024.8	5725.0	5353.2	5030.3	4690.1
45°	8172.4	8034.1	7866.9	7633.4	7391.2	7137.5	6840.6	6460.1	5961.4	5540.5	5183.1
42.5°	9339.9	9152.5	8924.8	8619.2	8305.0	7993.7	7673.7	7154.8	6532.2	6047.9	5644.3
40°	10559.3	10320.0	10034.6	9590.7	9241.9	8841.2	8475.1	7699.7	7036.6	6512.0	6082.5
37.5°	11752.7	11450.0	10971.5	10432.5	10026.0	9697.4	8893.1	8062.9	7469.0	6892.5	6457.2
35°	12666.5	12410.0	11565.3	11006.1	10657.3	10138.4	9132.4	8282.0	7653.5	7175.0	6497.6
32.5°	13208.5	12545.5	11804.6	11239.6	10951.3	10100.9	9149.7	8345.4	7740.0	7203.8	6393.8
30°	13087.4	12286.0	11637.4	11164.7	10539.1	9775.2	8988.2	8247.4	7659.3	7010.7	6278.5
27.5°	12358.1	11738.3	11158.9	10666.0	10051.9	9365.9	8639.4	7987.9	7440.2	6811.8	6119.9
25°	11533.6	10971.5	10542.0	10112.5	9530.2	8875.8	8235.8	7766.0	7215.4	6595.6	5912.4
22.5°	10775.5	10371.9	10034.6	9584.9	9017.1	8446.3	8048.5	7561.3	6996.3	6367.9	5699.1
20°	10291.2	10017.3	9631.1	9135.2	8688.4	8331.0	7889.9	7373.9	6791.6	6134.4	5517.5
17.5°	10057.7	9740.6	9311.1	8988.2	8645.2	8253.1	7760.2	7212.5	6592.7	6027.7	5537.6
15°	9936.6	9602.2	9319.7	9002.6	8616.4	8204.1	7656.4	7088.5	6592.7	6070.9	5552.1
12.5°	9962.6	9674.3	9365.9	9019.9	8604.8	8163.8	7668.0	7140.4	6627.3	6102.7	5554.9
10°	10043.3	9740.6	9412.0	9028.6	8610.6	8175.3	7699.7	7172.1	6644.6	6117.1	5549.2
7.5°	10072.1	9743.5	9391.8	9005.5	8596.2	8169.5	7705.4	7180.8	6647.5	6114.2	5531.9
5°	9982.8	9685.8	9345.7	8956.5	8555.8	8140.7	7682.4	7169.2	6624.4	6085.4	5488.6
2.5°	9861.7	9622.4	9296.7	8921.9	8515.5	8100.4	7644.9	7117.4	6572.5	6033.5	5433.9
0°	9841.5	9544.6	9216.0	8881.6	8449.2	8011.0	7558.4	7019.3	6477.4	5935.5	5338.7
-2.5°	9708.9	9394.7	9066.1	8702.8	8322.3	7881.3	7405.6	6878.1	6341.9	5808.6	5235.0
-5°	9608.0	9259.2	8910.4	8518.3	8134.9	7693.9	7201.0	6687.8	6163.2	5644.3	5090.8
-7.5°	9472.5	9115.1	8749.0	8339.6	7924.5	7474.8	6987.6	6474.5	5958.5	5442.5	4912.1
-10°	9198.7	8884.4	8541.4	8117.7	7679.5	7229.8	6745.5	6241.0	5725.0	5203.3	4670.0
-12.5°	8867.2	8535.6	8160.9	7771.7	7379.7	6961.7	6477.4	5981.6	5462.7	4938.0	4407.6
-15°	8437.6	8111.9	7728.5	7348.0	6970.3	6569.6	6143.0	5696.2	5168.7	4652.7	4122.2
-17.5°	7901.5	7595.9	7252.8	6889.6	6514.9	6111.3	5696.2	5318.6	4825.6	4341.3	3816.7
-20°	7324.9	7039.5	6731.1	6388.0	6013.3	5618.4	5226.3	4831.4	4404.7	3978.1	3490.9



REPORT NUMBER: P722181
 CATALOG NUMBER: IFLD-M-SA4E-827-U-76

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
-22.5°	6725.3	6437.0	6125.7	5805.7	5459.8	5093.7	4730.5	4352.9	3978.1	3591.8	3179.6
-25°	6033.5	5779.8	5494.4	5183.1	4874.6	4554.6	4208.7	3865.7	3545.7	3211.3	2874.0
-27.5°	5309.9	5076.4	4817.0	4546.0	4280.8	4012.7	3712.9	3395.8	3130.6	2853.9	2574.2
-30°	4548.9	4361.5	4151.1	3914.7	3710.0	3493.8	3243.0	2980.7	2738.6	2528.1	2303.3
-32.5°	3828.2	3669.7	3519.8	3364.1	3162.3	2995.1	2822.2	2629.0	2415.7	2216.8	2055.4
-35°	3208.4	3038.4	2974.9	2859.6	2715.5	2568.5	2441.6	2303.3	2141.8	1966.0	1833.4
-37.5°	2686.7	2585.8	2496.4	2433.0	2337.9	2219.7	2118.8	2017.9	1893.9	1761.3	1628.7
-40°	2280.2	2211.0	2113.0	2081.3	2020.8	1940.0	1836.3	1758.4	1674.8	1573.9	1461.5
-42.5°	1954.5	1902.6	1839.2	1784.4	1758.4	1700.8	1620.1	1545.1	1478.8	1409.6	1323.2
-45°	1686.4	1651.8	1611.4	1562.4	1542.2	1496.1	1438.5	1354.9	1317.4	1259.7	1196.3
-47.5°	1470.2	1452.9	1424.0	1392.3	1363.5	1328.9	1277.0	1225.1	1173.3	1135.8	1086.8
-50°	1300.1	1288.6	1271.3	1245.3	1207.8	1184.8	1150.2	1104.1	1055.1	1023.4	988.8
-52.5°	1164.6	1153.1	1141.5	1121.4	1092.5	1069.5	1040.7	1003.2	962.8	931.1	902.3
-55°	1060.8	1043.5	1034.9	1017.6	994.5	968.6	942.6	916.7	882.1	853.3	824.4
-57.5°	980.1	957.1	945.5	931.1	908.0	882.1	861.9	836.0	812.9	781.2	755.3
-60°	916.7	890.8	867.7	853.3	833.1	807.2	787.0	766.8	743.7	717.8	686.1
-62.5°	864.8	833.1	801.4	784.1	763.9	740.9	720.7	700.5	677.4	651.5	622.7
-65°	815.8	778.3	738.0	720.7	700.5	677.4	651.5	637.1	616.9	593.8	565.0
-67.5°	755.3	714.9	680.3	660.1	640.0	619.8	596.7	582.3	562.1	533.3	504.5
-70°	665.9	640.0	616.9	599.6	582.3	565.0	541.9	518.9	495.8	469.9	443.9
-72.5°	553.5	544.8	541.9	533.3	513.1	492.9	469.9	446.8	426.6	406.5	386.3
-75°	446.8	452.6	458.3	455.5	435.3	415.1	394.9	374.7	360.3	343.0	325.7
-77.5°	354.6	360.3	366.1	366.1	351.7	340.2	325.7	311.3	299.8	285.4	268.1
-80°	273.9	282.5	291.2	296.9	285.4	276.7	265.2	253.7	242.1	230.6	219.1
-82.5°	207.6	216.2	224.8	230.6	222.0	216.2	207.6	198.9	190.3	178.7	170.1
-85°	149.9	155.7	161.4	164.3	158.5	152.8	147.0	141.3	135.5	126.8	121.1
-87.5°	86.5	89.4	92.2	95.1	89.4	83.6	80.7	74.9	72.1	66.3	63.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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°	72.1	66.3	60.5	57.7	51.9	43.2	37.5	31.7	25.9	20.2	17.3
85°	152.8	138.4	121.1	112.4	100.9	89.4	77.8	66.3	54.8	43.2	31.7
82.5°	262.3	245.0	227.7	207.6	181.6	149.9	118.2	98.0	80.7	63.4	49.0
80°	394.9	363.2	334.4	308.4	279.6	239.3	196.0	155.7	109.5	83.6	63.4
77.5°	547.7	510.2	469.9	426.6	380.5	325.7	276.7	224.8	170.1	115.3	80.7
75°	720.7	671.7	616.9	556.4	495.8	423.8	354.6	294.0	230.6	161.4	98.0
72.5°	913.8	853.3	787.0	706.3	611.1	527.5	443.9	363.2	288.3	204.7	132.6
70°	1161.7	1066.6	968.6	882.1	761.0	628.4	530.4	438.2	343.0	250.8	167.2
67.5°	1426.9	1311.6	1193.4	1066.6	913.8	758.1	616.9	513.1	400.7	294.0	198.9
65°	1715.2	1571.1	1421.2	1279.9	1069.5	885.0	726.4	585.2	455.5	334.4	230.6
62.5°	2012.1	1842.0	1669.1	1484.6	1242.4	1014.7	830.2	665.9	507.4	371.9	259.4
60°	2329.2	2130.3	1919.9	1689.3	1406.8	1156.0	928.2	749.5	562.1	409.3	291.2
57.5°	2663.6	2447.4	2199.5	1888.2	1576.8	1291.4	1040.7	824.4	611.1	443.9	314.2
55°	3026.8	2778.9	2507.9	2095.7	1744.0	1426.9	1153.1	899.4	663.0	472.8	337.3
52.5°	3418.9	3130.6	2787.6	2314.8	1919.9	1565.3	1256.9	965.7	712.0	504.5	357.5
50°	3857.0	3493.8	3032.6	2516.6	2072.7	1695.0	1360.6	1037.8	752.4	539.1	374.7
47.5°	4312.5	3920.5	3251.7	2704.0	2228.3	1821.9	1467.3	1101.2	792.7	567.9	392.0
45°	4788.1	4217.4	3479.4	2871.2	2363.8	1937.2	1548.0	1158.8	841.7	593.8	406.5
42.5°	5258.0	4442.2	3678.3	3038.4	2490.6	2040.9	1614.3	1213.6	882.1	619.8	420.9
40°	5480.0	4612.3	3836.9	3153.7	2597.3	2133.2	1672.0	1262.6	916.7	637.1	435.3
37.5°	5572.2	4716.1	3940.6	3263.2	2680.9	2182.2	1721.0	1305.9	945.5	654.4	446.8
35°	5592.4	4753.6	3992.5	3338.2	2750.1	2228.3	1758.4	1337.6	968.6	671.7	458.3
32.5°	5554.9	4742.0	4006.9	3364.1	2793.3	2262.9	1784.4	1360.6	985.9	689.0	469.9
30°	5471.3	4681.5	3955.0	3361.2	2825.0	2283.1	1801.7	1377.9	1003.2	700.5	475.6
27.5°	5335.9	4574.8	3888.7	3364.1	2842.3	2291.7	1810.3	1386.6	1014.7	709.1	487.2
25°	5168.7	4430.7	3891.6	3358.3	2845.2	2294.6	1810.3	1386.6	1017.6	712.0	495.8
22.5°	4975.5	4430.7	3891.6	3349.7	2827.9	2288.9	1801.7	1380.8	1017.6	717.8	504.5
20°	4987.1	4433.6	3883.0	3332.4	2802.0	2271.6	1781.5	1366.4	1008.9	726.4	510.2
17.5°	4995.7	4427.8	3865.7	3309.3	2767.4	2242.7	1755.6	1346.2	1008.9	735.1	513.1
15°	4995.7	4410.5	3839.7	3274.7	2724.1	2202.4	1718.1	1328.9	1011.8	738.0	518.9
12.5°	4987.1	4378.8	3799.4	3228.6	2672.3	2153.4	1695.0	1323.2	1011.8	740.9	518.9
10°	4969.8	4335.6	3747.5	3171.0	2623.2	2136.1	1683.5	1311.6	1006.1	740.9	518.9
7.5°	4938.0	4283.7	3704.3	3136.4	2594.4	2115.9	1666.2	1294.3	997.4	735.1	524.6
5°	4889.0	4254.8	3669.7	3096.0	2554.1	2101.5	1654.7	1279.9	991.6	735.1	518.9
2.5°	4825.6	4220.3	3629.3	3044.1	2507.9	2052.5	1617.2	1248.2	971.5	723.6	513.1
0°	4721.8	4151.1	3560.1	2972.1	2444.5	2003.5	1579.7	1216.5	951.3	712.0	507.4
-2.5°	4626.7	4058.8	3470.8	2897.1	2384.0	1960.2	1550.9	1199.2	942.6	709.1	504.5
-5°	4494.1	3932.0	3352.6	2799.1	2303.3	1917.0	1522.1	1179.0	934.0	703.4	504.5
-7.5°	4347.1	3799.4	3228.6	2698.2	2222.6	1842.0	1467.3	1147.3	913.8	691.8	501.6
-10°	4119.4	3600.5	3072.9	2582.9	2136.1	1775.7	1421.2	1118.5	896.5	680.3	490.1
-12.5°	3877.2	3381.4	2894.2	2441.6	2038.1	1706.6	1369.3	1086.8	876.3	668.8	484.3
-15°	3620.7	3156.5	2706.8	2294.6	1931.4	1623.0	1314.5	1052.2	856.2	654.4	475.6
-17.5°	3352.6	2920.2	2513.7	2144.7	1824.7	1536.5	1256.9	1020.5	833.1	640.0	467.0
-20°	3070.1	2678.0	2317.7	1991.9	1712.3	1450.0	1196.3	983.0	807.2	622.7	455.5



REPORT NUMBER: P722181
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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°	2790.4	2438.8	2115.9	1842.0	1597.0	1360.6	1135.8	945.5	778.3	602.5	446.8
-25°	2542.5	2213.9	1937.2	1697.9	1484.6	1274.1	1072.4	908.0	746.6	582.3	435.3
-27.5°	2300.4	2020.8	1761.3	1562.4	1375.0	1190.6	1011.8	867.7	714.9	559.2	423.8
-30°	2075.5	1836.3	1623.0	1429.8	1271.3	1115.6	959.9	827.3	680.3	536.2	409.3
-32.5°	1870.9	1677.7	1499.0	1314.5	1173.3	1040.7	910.9	787.0	645.7	513.1	394.9
-35°	1680.6	1530.7	1375.0	1219.4	1075.2	971.5	859.0	743.7	614.0	487.2	380.5
-37.5°	1510.5	1389.5	1265.5	1132.9	1008.9	905.2	810.0	700.5	582.3	464.1	366.1
-40°	1363.5	1265.5	1156.0	1049.3	945.5	847.5	761.0	657.3	550.6	446.8	351.7
-42.5°	1228.0	1153.1	1063.7	974.3	882.1	795.6	712.0	611.1	518.9	426.6	337.3
-45°	1124.2	1049.3	977.2	896.5	818.7	743.7	660.1	570.8	490.1	403.6	322.9
-47.5°	1026.2	959.9	893.6	827.3	763.9	694.7	611.1	536.2	458.3	383.4	311.3
-50°	939.8	876.3	818.7	761.0	706.3	640.0	562.1	501.6	432.4	363.2	296.9
-52.5°	859.0	804.3	746.6	700.5	654.4	588.1	524.6	467.0	406.5	340.2	282.5
-55°	787.0	735.1	683.2	640.0	596.7	539.1	487.2	438.2	380.5	322.9	268.1
-57.5°	717.8	674.5	625.5	585.2	541.9	495.8	452.6	406.5	354.6	305.6	253.7
-60°	654.4	614.0	570.8	530.4	492.9	455.5	415.1	377.6	331.5	285.4	239.3
-62.5°	591.0	556.4	518.9	478.5	449.7	415.1	383.4	345.9	308.4	268.1	213.3
-65°	533.3	501.6	467.0	432.4	406.5	380.5	351.7	317.1	285.4	247.9	190.3
-67.5°	475.6	446.8	418.0	389.2	366.1	345.9	317.1	291.2	265.2	224.8	167.2
-70°	420.9	397.8	371.9	348.8	331.5	308.4	288.3	265.2	242.1	196.0	141.3
-72.5°	369.0	345.9	325.7	308.4	294.0	273.9	256.6	239.3	207.6	164.3	118.2
-75°	308.4	294.0	282.5	268.1	253.7	239.3	224.8	204.7	173.0	132.6	92.2
-77.5°	253.7	245.0	236.4	224.8	213.3	201.8	184.5	164.3	138.4	103.8	74.9
-80°	207.6	198.9	193.1	181.6	173.0	161.4	144.1	126.8	100.9	80.7	60.5
-82.5°	158.5	152.8	147.0	141.3	132.6	121.1	103.8	89.4	74.9	60.5	46.1
-85°	112.4	109.5	103.8	98.0	89.4	80.7	69.2	60.5	51.9	40.4	31.7
-87.5°	57.7	54.8	51.9	49.0	46.1	40.4	34.6	28.8	25.9	20.2	14.4
-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: P722181
 CATALOG NUMBER: IFLD-M-SA4E-827-U-76

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0
87.5°	11.5	8.6	2.9	0.0
85°	23.1	14.4	5.8	0.0
82.5°	34.6	23.1	8.6	0.0
80°	46.1	28.8	14.4	0.0
77.5°	57.7	34.6	17.3	0.0
75°	69.2	43.2	20.2	0.0
72.5°	77.8	49.0	23.1	0.0
70°	92.2	57.7	25.9	0.0
67.5°	115.3	63.4	28.8	0.0
65°	135.5	69.2	31.7	0.0
62.5°	158.5	74.9	34.6	0.0
60°	178.7	80.7	37.5	0.0
57.5°	198.9	95.1	40.4	0.0
55°	216.2	106.7	43.2	0.0
52.5°	236.4	118.2	46.1	0.0
50°	253.7	129.7	49.0	0.0
47.5°	268.1	141.3	49.0	0.0
45°	279.6	149.9	51.9	0.0
42.5°	288.3	158.5	54.8	0.0
40°	296.9	167.2	57.7	0.0
37.5°	305.6	175.8	57.7	0.0
35°	314.2	184.5	60.5	0.0
32.5°	322.9	193.1	60.5	0.0
30°	328.6	198.9	63.4	0.0
27.5°	337.3	204.7	63.4	0.0
25°	340.2	210.4	66.3	0.0
22.5°	345.9	213.3	66.3	0.0
20°	351.7	219.1	66.3	0.0
17.5°	354.6	222.0	69.2	0.0
15°	354.6	224.8	72.1	0.0
12.5°	357.5	227.7	72.1	0.0
10°	357.5	233.5	69.2	0.0
7.5°	363.2	230.6	69.2	0.0
5°	360.3	230.6	69.2	0.0
2.5°	357.5	227.7	69.2	0.0
0°	354.6	227.7	69.2	0.0
-2.5°	354.6	227.7	69.2	0.0
-5°	354.6	227.7	69.2	0.0
-7.5°	351.7	230.6	69.2	0.0
-10°	345.9	230.6	69.2	0.0
-12.5°	343.0	222.0	69.2	0.0
-15°	340.2	219.1	69.2	0.0
-17.5°	334.4	216.2	66.3	0.0
-20°	328.6	213.3	66.3	0.0



REPORT NUMBER: P722181
 CATALOG NUMBER: IFLD-M-SA4E-827-U-76

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	322.9	207.6	66.3	0.0
-25°	317.1	201.8	63.4	0.0
-27.5°	311.3	196.0	63.4	0.0
-30°	302.7	190.3	60.5	0.0
-32.5°	294.0	184.5	60.5	0.0
-35°	288.3	175.8	57.7	0.0
-37.5°	279.6	167.2	57.7	0.0
-40°	271.0	158.5	54.8	0.0
-42.5°	262.3	149.9	51.9	0.0
-45°	250.8	141.3	51.9	0.0
-47.5°	242.1	132.6	49.0	0.0
-50°	227.7	121.1	46.1	0.0
-52.5°	210.4	109.5	43.2	0.0
-55°	193.1	100.9	40.4	0.0
-57.5°	175.8	89.4	40.4	0.0
-60°	158.5	77.8	37.5	0.0
-62.5°	141.3	72.1	34.6	0.0
-65°	124.0	66.3	31.7	0.0
-67.5°	103.8	57.7	28.8	0.0
-70°	86.5	51.9	25.9	0.0
-72.5°	74.9	46.1	23.1	0.0
-75°	63.4	40.4	20.2	0.0
-77.5°	54.8	34.6	17.3	0.0
-80°	43.2	25.9	11.5	0.0
-82.5°	31.7	20.2	8.6	0.0
-85°	20.2	14.4	5.8	0.0
-87.5°	11.5	5.8	2.9	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)