

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: P722236

Luminaire Tested: **IFLD-M-SA4B-927-U-76**

Issue Date: 10/26/2023

Test Information

Test Method: LM-79-2019
Report Number: P722236
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4B-927-U-76
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7x6 Flood distribution lens
Light Source: (64) 2700K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

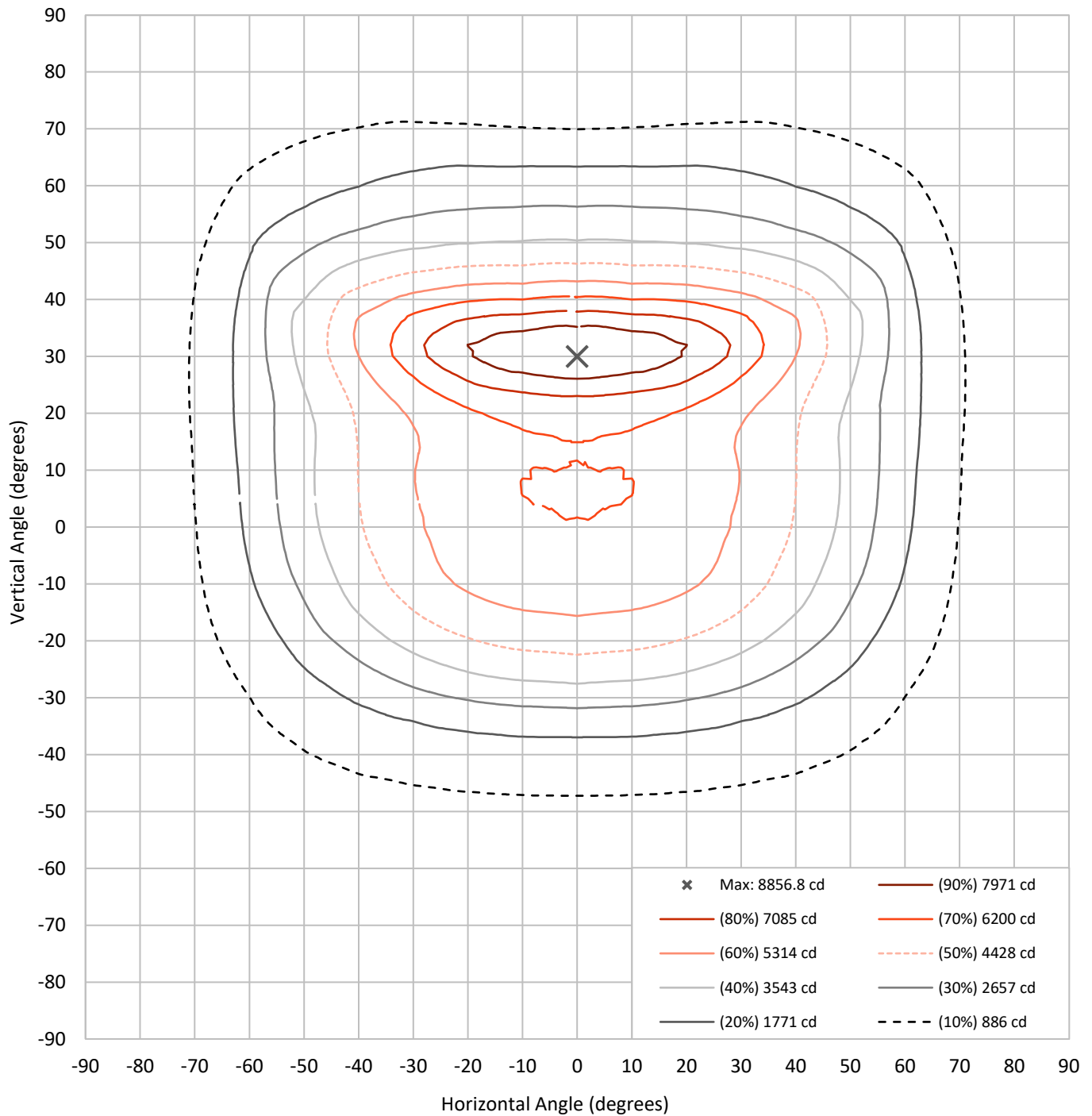
Lumens per Lamp: N/A	NEMA Type: 7H x 6V
Luminaire Lumens: 14784.3 lumens	Max Intensity: 8856.8 candela
Efficiency: N/A	Max Intensity Angle: 0°H x 30°V
Efficacy: 89.0 lumens/watt	
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')	
Beam Angle (50%): 90.8°H x 68.8°V	Field Angle (10%): 142°H x 117.1°V
Beam Lumens: 8597.2 lumens	Field Lumens: 13854.8 lumens
Beam Efficiency: 58.2%	Field Efficiency: 93.7%

Input Watts (W): 166.1
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





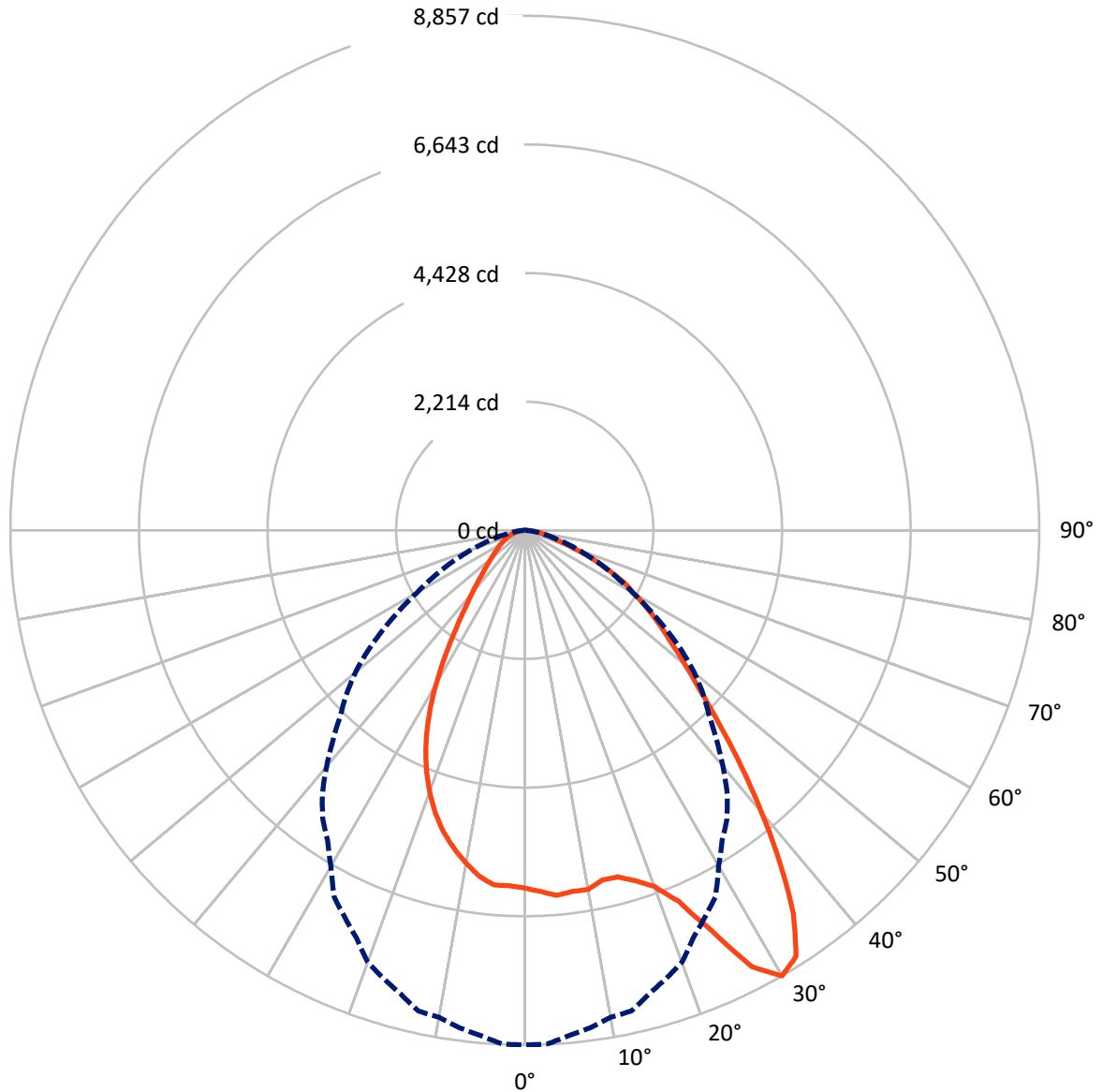
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Lumen Table

90																			
80	1.4	13.1	32.7	41.1	41.3	41.1	32.7	13.1	1.4										
70																			
60	5.7	7.7	16.4	26.2	35.9	43.1	46.0	47.3	47.3	46.0	43.1	35.9	26.2	16.4	7.7	5.7			
50																			
40	9.4	12.7	28.9	46.1	62.5	75.4	83.2	86.9	86.9	83.2	75.4	62.5	46.1	28.9	12.7	9.4			
30																			
20	10.5	17.2	44.4	75.0	103.9	125.8	139.5	146.6	146.6	139.5	125.8	103.9	75.0	44.4	17.2	10.5			
10																			
0	9.8	19.9	53.0	97.2	146.9	190.9	221.7	237.9	237.9	221.7	190.9	146.9	97.2	53.0	19.9	9.8			
-10																			
-20	8.0	20.2	49.9	91.2	136.6	179.7	213.0	229.8	229.8	213.0	179.7	136.6	91.2	49.9	20.2	8.0			
-30																			
-40	5.6	19.6	47.6	84.1	122.1	154.5	177.7	188.7	188.7	177.7	154.5	122.1	84.1	47.6	19.6	5.6			
-50																			
-60	3.3	18.5	46.6	83.6	121.2	153.6	177.0	188.1	188.1	177.0	153.6	121.2	83.6	46.6	18.5	3.3			
-70																			
-80	1.1	16.8	42.9	78.2	115.2	147.8	171.5	182.7	182.7	171.5	147.8	115.2	78.2	42.9	16.8	1.1			
-90																			

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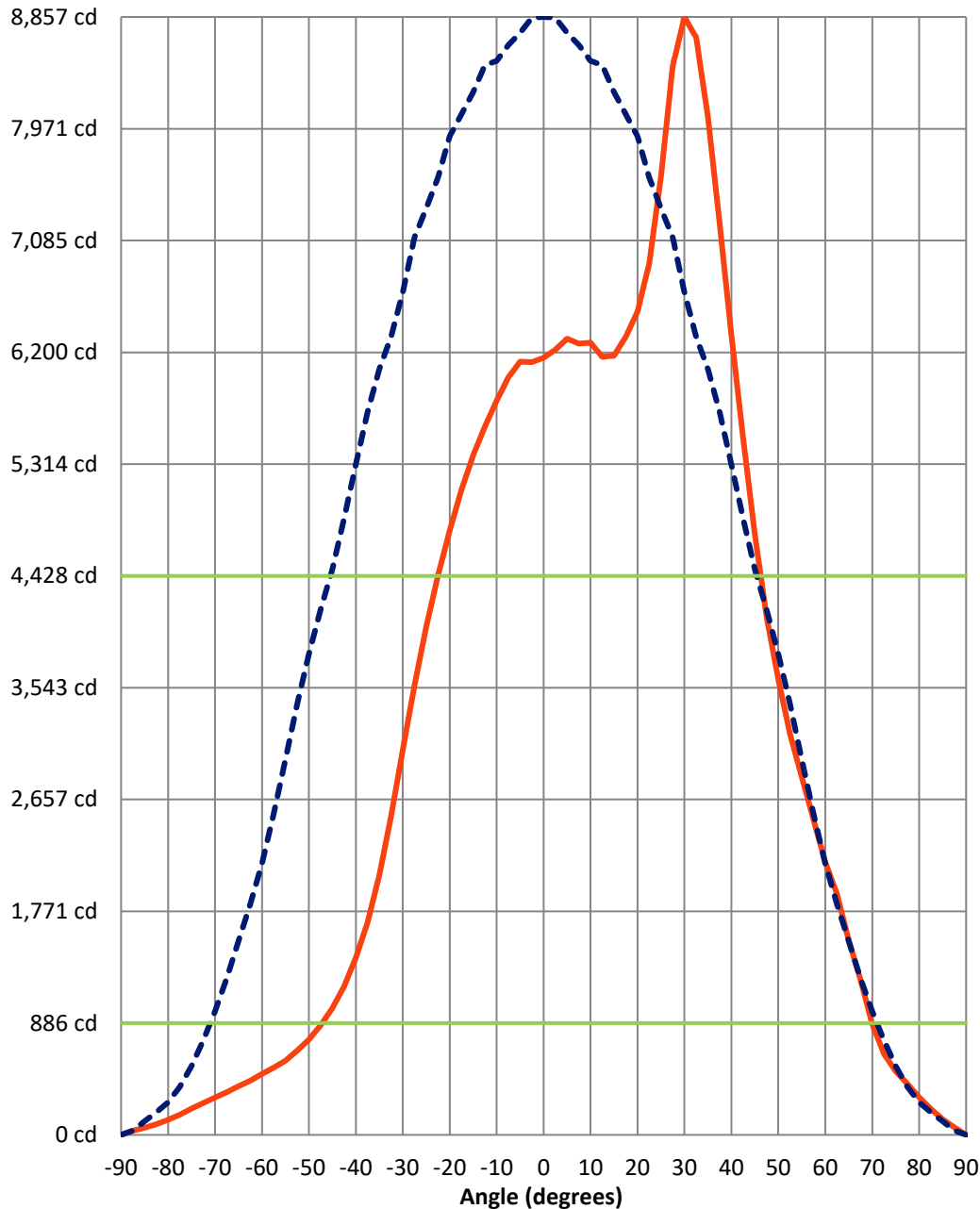
Luminous Intensity Polar Plot



— 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: 8597.2
 Efficiency: 58.2%

Field:
 H Angle: 142°
 V Angle: 117.1°
 Lumens: 13854.8
 Efficiency: 93.7%

Spill:
 Lumens: 929.5
 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°	59.5	61.1	62.6	62.6	61.1	61.1	61.1	59.5	61.1	61.1	61.1
85°	123.7	126.9	130.0	128.4	126.9	123.7	120.6	122.2	123.7	125.3	125.3
82.5°	205.2	209.9	213.0	211.4	208.3	205.2	202.0	203.6	206.7	208.3	208.3
80°	297.6	299.1	300.7	303.8	299.1	299.1	297.6	303.8	307.0	310.1	313.2
77.5°	404.1	405.6	405.6	407.2	408.8	410.3	410.3	421.3	429.1	433.8	438.5
75°	504.3	509.0	513.7	518.4	524.7	527.8	532.5	548.2	560.7	570.1	579.5
72.5°	642.1	648.4	656.2	667.2	678.2	686.0	697.0	715.8	729.8	739.2	750.2
70°	878.6	884.9	892.7	900.6	911.5	919.4	930.3	953.8	967.9	974.2	980.4
67.5°	1229.5	1245.1	1259.2	1243.6	1235.7	1224.8	1227.9	1249.8	1263.9	1273.3	1271.7
65°	1541.1	1552.1	1552.1	1550.5	1544.3	1530.2	1538.0	1564.6	1580.3	1588.1	1564.6
62.5°	1907.6	1907.6	1899.8	1912.3	1913.9	1904.5	1899.8	1901.4	1902.9	1907.6	1868.5
60°	2161.3	2177.0	2181.7	2192.7	2195.8	2195.8	2203.6	2209.9	2209.9	2200.5	2155.1
57.5°	2496.5	2526.3	2532.5	2524.7	2509.0	2488.7	2485.6	2476.2	2457.4	2438.6	2416.6
55°	2834.8	2850.5	2848.9	2844.2	2828.5	2805.1	2808.2	2795.7	2765.9	2742.4	2712.6
52.5°	3174.7	3212.3	3218.5	3209.1	3187.2	3162.1	3163.7	3149.6	3119.9	3094.8	3054.1
50°	3608.5	3639.8	3636.7	3621.0	3589.7	3570.9	3572.5	3545.9	3511.4	3503.6	3450.3
47.5°	4105.0	4141.0	4134.8	4112.8	4070.5	4062.7	4070.5	4036.1	4015.7	3998.5	3935.8
45°	4756.5	4798.8	4775.3	4733.0	4665.7	4673.5	4684.5	4678.2	4634.4	4588.9	4509.1
42.5°	5520.8	5547.5	5519.3	5477.0	5392.4	5408.1	5401.8	5364.2	5337.6	5262.4	5160.6
40°	6338.4	6396.3	6352.5	6286.7	6199.0	6222.5	6205.3	6156.7	6094.1	6000.1	5871.7
37.5°	7220.2	7265.6	7215.5	7138.7	7060.4	7052.6	7018.1	6942.9	6853.7	6750.3	6545.1
35°	8064.3	8181.8	8089.4	7967.2	7871.7	7835.7	7802.8	7628.9	7527.1	7359.5	7079.2
32.5°	8692.4	8778.5	8664.2	8537.3	8421.4	8371.3	8255.4	8048.7	7993.9	7641.5	7384.6
30°	8856.8	8850.6	8731.5	8634.4	8509.1	8474.7	8261.7	8086.3	7910.8	7585.1	7340.8
27.5°	8465.3	8426.1	8311.8	8227.2	8103.5	8062.8	7852.9	7758.9	7488.0	7212.3	7005.6
25°	7592.9	7613.3	7527.1	7484.8	7403.4	7315.7	7232.7	7105.8	6936.7	6695.5	6506.0
22.5°	6905.4	6932.0	6896.0	6845.8	6783.2	6734.6	6672.0	6573.3	6410.4	6261.6	6083.1
20°	6523.2	6515.4	6484.0	6446.5	6386.9	6352.5	6283.6	6200.6	6075.3	5946.8	5754.2
17.5°	6322.7	6274.2	6244.4	6230.3	6199.0	6155.1	6073.7	5989.1	5892.0	5746.4	5605.4
15°	6173.9	6181.8	6158.3	6147.3	6122.3	6061.2	5978.2	5909.3	5777.7	5704.1	5575.7
12.5°	6164.5	6156.7	6158.3	6153.6	6122.3	6043.9	6001.7	5913.9	5829.4	5732.3	5585.0
10°	6275.7	6192.7	6199.0	6220.9	6170.8	6108.2	6062.7	5967.2	5887.3	5763.6	5617.9
7.5°	6269.5	6227.2	6239.7	6203.7	6219.4	6142.6	6080.0	5984.4	5884.2	5752.6	5621.1
5°	6307.1	6242.9	6231.9	6235.0	6195.9	6137.9	6053.3	5962.5	5868.5	5721.3	5586.6
2.5°	6220.9	6230.3	6180.2	6161.4	6156.7	6059.6	5981.3	5893.6	5796.5	5666.5	5545.9
0°	6156.7	6173.9	6122.3	6095.6	6094.1	6011.1	5960.9	5860.7	5791.8	5683.7	5538.1
-2.5°	6122.3	6142.6	6148.9	6100.3	6053.3	5989.1	5904.6	5796.5	5683.7	5558.4	5433.1
-5°	6125.4	6084.7	6067.4	6083.1	6042.4	5978.2	5884.2	5788.7	5677.5	5542.8	5386.1
-7.5°	6001.7	5960.9	5957.8	5950.0	5940.6	5879.5	5801.2	5697.8	5585.0	5459.8	5314.1
-10°	5816.8	5787.1	5779.3	5771.4	5746.4	5710.3	5636.7	5542.8	5441.0	5315.7	5160.6
-12.5°	5611.7	5597.6	5567.8	5547.5	5522.4	5480.1	5409.6	5323.5	5221.7	5110.5	4977.4
-15°	5384.6	5358.0	5328.2	5311.0	5274.9	5224.8	5154.3	5074.5	4963.3	4853.6	4728.3
-17.5°	5110.5	5077.6	5044.7	5040.0	5015.0	4938.2	4872.4	4775.3	4678.2	4573.3	4451.1
-20°	4787.9	4742.4	4720.5	4708.0	4673.5	4617.1	4546.7	4457.4	4363.4	4263.2	4122.2



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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°	4430.8	4391.6	4354.0	4330.5	4300.8	4256.9	4189.6	4111.3	4018.9	3906.1	3776.1
-25°	4025.1	3970.3	3946.8	3920.2	3904.5	3863.8	3798.0	3726.0	3630.4	3520.8	3397.1
-27.5°	3561.5	3517.7	3505.1	3467.6	3448.8	3406.5	3351.7	3284.3	3196.6	3093.2	2991.4
-30°	3049.4	3022.8	3002.4	2964.8	2950.7	2905.3	2869.3	2812.9	2733.0	2659.4	2578.0
-32.5°	2523.1	2496.5	2490.2	2473.0	2463.6	2433.9	2393.1	2352.4	2288.2	2233.4	2167.6
-35°	2056.4	2037.6	2039.2	2037.6	2028.2	2006.3	1956.2	1945.2	1898.2	1848.1	1805.8
-37.5°	1683.7	1685.2	1683.7	1682.1	1669.6	1660.2	1624.1	1610.0	1581.9	1533.3	1508.2
-40°	1403.3	1406.4	1404.9	1401.7	1387.6	1382.9	1359.5	1340.7	1329.7	1295.2	1268.6
-42.5°	1176.2	1180.9	1179.3	1177.8	1168.4	1166.8	1154.3	1132.4	1126.1	1105.7	1077.5
-45°	1003.9	1002.4	999.2	1002.4	997.7	993.0	985.1	971.0	963.2	953.8	930.3
-47.5°	867.7	869.2	866.1	866.1	859.8	855.1	852.0	842.6	836.3	828.5	814.4
-50°	754.9	761.2	759.6	758.0	753.3	750.2	750.2	740.8	731.4	728.3	718.9
-52.5°	667.2	671.9	673.5	676.6	678.2	679.7	675.0	665.6	650.0	648.4	643.7
-55°	587.3	601.4	610.8	617.1	623.3	628.0	618.6	606.1	590.5	584.2	582.6
-57.5°	532.5	546.6	557.6	567.0	574.8	582.6	573.2	560.7	546.6	538.8	537.2
-60°	482.4	494.9	505.9	518.4	529.4	541.9	537.2	527.8	520.0	513.7	507.4
-62.5°	429.1	441.7	454.2	469.9	484.0	496.5	498.0	496.5	494.9	496.5	485.5
-65°	385.3	391.5	399.4	416.6	432.3	446.4	454.2	458.9	466.7	474.6	463.6
-67.5°	338.3	346.1	355.5	368.1	380.6	390.0	400.9	413.5	426.0	438.5	430.7
-70°	296.0	302.3	310.1	316.4	324.2	330.5	339.9	354.0	368.1	380.6	377.5
-72.5°	252.2	258.4	263.1	266.3	271.0	274.1	278.8	291.3	300.7	307.0	307.0
-75°	208.3	214.6	219.3	220.8	224.0	225.5	228.7	233.4	238.1	239.6	241.2
-77.5°	159.8	166.0	170.7	173.8	177.0	180.1	181.7	184.8	186.4	186.4	187.9
-80°	119.0	123.7	126.9	131.6	133.1	136.3	139.4	141.0	142.5	142.5	144.1
-82.5°	84.6	87.7	90.8	94.0	97.1	98.7	101.8	103.4	104.9	106.5	108.1
-85°	56.4	59.5	62.6	65.8	67.3	68.9	70.5	72.0	73.6	75.2	76.7
-87.5°	32.9	34.5	36.0	39.2	40.7	43.9	45.4	43.9	45.4	45.4	45.4
-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):

	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°	61.1	61.1	61.1	61.1	59.5	56.4	54.8	51.7	48.6	45.4	42.3
85°	126.9	128.4	128.4	128.4	125.3	123.7	119.0	114.3	108.1	98.7	90.8
82.5°	211.4	213.0	213.0	211.4	208.3	203.6	197.3	189.5	177.0	164.5	153.5
80°	317.9	319.5	319.5	317.9	310.1	302.3	294.4	285.0	269.4	252.2	233.4
77.5°	444.8	447.9	447.9	443.2	432.3	422.9	410.3	394.7	371.2	346.1	321.1
75°	592.0	599.9	601.4	596.7	582.6	565.4	545.0	518.4	482.4	451.1	421.3
72.5°	762.7	770.6	776.8	770.6	750.2	726.7	697.0	665.6	629.6	587.3	537.2
70°	986.7	994.5	999.2	978.9	942.8	903.7	867.7	831.6	789.4	737.7	682.9
67.5°	1268.6	1260.8	1251.4	1210.7	1165.2	1118.3	1068.1	1014.9	960.1	905.3	841.0
65°	1539.6	1517.6	1497.3	1448.7	1390.8	1329.7	1271.7	1212.2	1146.5	1077.5	1016.5
62.5°	1824.6	1777.6	1727.5	1668.0	1608.5	1541.1	1483.2	1412.7	1339.1	1254.5	1176.2
60°	2105.0	2048.6	1998.5	1924.9	1846.5	1755.7	1693.1	1624.1	1538.0	1447.2	1354.8
57.5°	2375.9	2314.8	2260.0	2195.8	2111.2	2012.6	1943.6	1854.4	1763.5	1649.2	1555.2
55°	2664.1	2603.0	2559.2	2487.1	2394.7	2303.9	2228.7	2134.7	2007.9	1885.7	1769.8
52.5°	2994.6	2946.0	2899.0	2825.4	2714.2	2621.8	2538.8	2433.9	2300.7	2150.4	2011.0
50°	3364.2	3339.1	3289.0	3202.9	3076.0	2994.6	2884.9	2745.5	2603.0	2444.8	2271.0
47.5°	3854.4	3813.7	3743.2	3649.2	3542.7	3420.6	3273.3	3110.5	2908.4	2733.0	2548.2
45°	4440.2	4365.0	4274.1	4147.3	4015.7	3877.9	3716.6	3509.8	3238.9	3010.2	2816.0
42.5°	5074.5	4972.7	4848.9	4682.9	4512.2	4343.1	4169.2	3887.3	3549.0	3285.9	3066.6
40°	5737.0	5607.0	5451.9	5210.7	5021.2	4803.5	4604.6	4183.3	3823.1	3538.0	3304.7
37.5°	6385.4	6220.9	5960.9	5668.1	5447.2	5268.7	4831.7	4380.6	4058.0	3744.8	3508.3
35°	6881.9	6742.5	6283.6	5979.7	5790.2	5508.3	4961.7	4499.7	4158.2	3898.3	3530.2
32.5°	7176.3	6816.1	6413.6	6106.6	5950.0	5487.9	4971.1	4534.1	4205.2	3913.9	3473.8
30°	7110.5	6675.1	6322.7	6065.9	5726.0	5311.0	4883.4	4480.9	4161.4	3809.0	3411.2
27.5°	6714.3	6377.5	6062.7	5794.9	5461.3	5088.6	4693.9	4339.9	4042.3	3700.9	3325.0
25°	6266.3	5960.9	5727.6	5494.2	5177.8	4822.3	4474.6	4219.3	3920.2	3583.5	3212.3
22.5°	5854.4	5635.2	5451.9	5207.6	4899.1	4588.9	4372.8	4108.1	3801.2	3459.7	3096.4
20°	5591.3	5442.5	5232.7	4963.3	4720.5	4526.3	4286.7	4006.3	3690.0	3332.9	2997.7
17.5°	5464.5	5292.2	5058.8	4883.4	4697.0	4484.0	4216.2	3918.6	3581.9	3274.9	3008.7
15°	5398.7	5217.0	5063.5	4891.2	4681.4	4457.4	4159.8	3851.3	3581.9	3298.4	3016.5
12.5°	5412.8	5256.1	5088.6	4900.6	4675.1	4435.5	4166.1	3879.5	3600.7	3315.6	3018.1
10°	5456.6	5292.2	5113.6	4905.3	4678.2	4441.7	4183.3	3896.7	3610.1	3323.5	3014.9
7.5°	5472.3	5293.7	5102.7	4892.8	4670.4	4438.6	4186.4	3901.4	3611.6	3321.9	3005.5
5°	5423.7	5262.4	5077.6	4866.2	4648.5	4422.9	4173.9	3895.1	3599.1	3306.2	2982.0
2.5°	5358.0	5228.0	5051.0	4847.4	4626.5	4401.0	4153.5	3866.9	3570.9	3278.0	2952.3
0°	5347.0	5185.7	5007.1	4825.4	4590.5	4352.5	4106.6	3813.7	3519.2	3224.8	2900.6
-2.5°	5274.9	5104.2	4925.7	4728.3	4521.6	4282.0	4023.6	3736.9	3445.6	3155.9	2844.2
-5°	5220.1	5030.6	4841.1	4628.1	4419.8	4180.2	3912.4	3633.6	3348.5	3066.6	2765.9
-7.5°	5146.5	4952.3	4753.4	4531.0	4305.5	4061.1	3796.5	3517.7	3237.3	2957.0	2668.8
-10°	4997.7	4827.0	4640.6	4410.4	4172.3	3928.0	3664.9	3390.8	3110.5	2827.0	2537.2
-12.5°	4817.6	4637.5	4433.9	4222.5	4009.5	3782.4	3519.2	3249.9	2967.9	2682.9	2394.7
-15°	4584.3	4407.3	4199.0	3992.2	3787.1	3569.4	3337.6	3094.8	2808.2	2527.8	2239.7
-17.5°	4292.9	4126.9	3940.5	3743.2	3539.6	3320.3	3094.8	2889.6	2621.8	2358.7	2073.6
-20°	3979.7	3824.6	3657.1	3470.7	3267.1	3052.5	2839.5	2624.9	2393.1	2161.3	1896.7



REPORT NUMBER: P722236
 CATALOG NUMBER: IFLD-M-SA4B-927-U-76

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
-22.5°	3653.9	3497.3	3328.2	3154.3	2966.4	2767.5	2570.1	2365.0	2161.3	1951.5	1727.5
-25°	3278.0	3140.2	2985.2	2816.0	2648.4	2474.6	2286.6	2100.3	1926.4	1744.7	1561.5
-27.5°	2884.9	2758.1	2617.1	2469.9	2325.8	2180.1	2017.3	1845.0	1700.9	1550.5	1398.6
-30°	2471.5	2369.7	2255.3	2126.9	2015.7	1898.2	1762.0	1619.4	1487.9	1373.6	1251.4
-32.5°	2079.9	1993.8	1912.3	1827.7	1718.1	1627.3	1533.3	1428.4	1312.5	1204.4	1116.7
-35°	1743.2	1650.8	1616.3	1553.7	1475.4	1395.5	1326.6	1251.4	1163.7	1068.1	996.1
-37.5°	1459.7	1404.9	1356.3	1321.9	1270.2	1206.0	1151.2	1096.3	1029.0	956.9	884.9
-40°	1238.9	1201.3	1148.0	1130.8	1097.9	1054.0	997.7	955.4	910.0	855.1	794.1
-42.5°	1061.9	1033.7	999.2	969.5	955.4	924.1	880.2	839.5	803.5	765.9	718.9
-45°	916.2	897.4	875.5	848.9	837.9	812.9	781.5	736.1	715.8	684.4	650.0
-47.5°	798.8	789.4	773.7	756.5	740.8	722.0	693.8	665.6	637.4	617.1	590.5
-50°	706.4	700.1	690.7	676.6	656.2	643.7	624.9	599.9	573.2	556.0	537.2
-52.5°	632.7	626.5	620.2	609.2	593.6	581.1	565.4	545.0	523.1	505.9	490.2
-55°	576.4	567.0	562.3	552.9	540.3	526.2	512.1	498.0	479.3	463.6	447.9
-57.5°	532.5	520.0	513.7	505.9	493.4	479.3	468.3	454.2	441.7	424.4	410.3
-60°	498.0	484.0	471.4	463.6	452.6	438.5	427.6	416.6	404.1	390.0	372.8
-62.5°	469.9	452.6	435.4	426.0	415.0	402.5	391.5	380.6	368.1	354.0	338.3
-65°	443.2	422.9	400.9	391.5	380.6	368.1	354.0	346.1	335.2	322.6	307.0
-67.5°	410.3	388.4	369.6	358.7	347.7	336.7	324.2	316.4	305.4	289.7	274.1
-70°	361.8	347.7	335.2	325.8	316.4	307.0	294.4	281.9	269.4	255.3	241.2
-72.5°	300.7	296.0	294.4	289.7	278.8	267.8	255.3	242.8	231.8	220.8	209.9
-75°	242.8	245.9	249.0	247.5	236.5	225.5	214.6	203.6	195.8	186.4	177.0
-77.5°	192.6	195.8	198.9	198.9	191.1	184.8	177.0	169.1	162.9	155.1	145.7
-80°	148.8	153.5	158.2	161.3	155.1	150.4	144.1	137.8	131.6	125.3	119.0
-82.5°	112.8	117.5	122.2	125.3	120.6	117.5	112.8	108.1	103.4	97.1	92.4
-85°	81.4	84.6	87.7	89.3	86.1	83.0	79.9	76.7	73.6	68.9	65.8
-87.5°	47.0	48.6	50.1	51.7	48.6	45.4	43.9	40.7	39.2	36.0	34.5
-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: P722236
 CATALOG NUMBER: IFLD-M-SA4B-927-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°	39.2	36.0	32.9	31.3	28.2	23.5	20.4	17.2	14.1	11.0	9.4
85°	83.0	75.2	65.8	61.1	54.8	48.6	42.3	36.0	29.8	23.5	17.2
82.5°	142.5	133.1	123.7	112.8	98.7	81.4	64.2	53.3	43.9	34.5	26.6
80°	214.6	197.3	181.7	167.6	151.9	130.0	106.5	84.6	59.5	45.4	34.5
77.5°	297.6	277.2	255.3	231.8	206.7	177.0	150.4	122.2	92.4	62.6	43.9
75°	391.5	364.9	335.2	302.3	269.4	230.2	192.6	159.8	125.3	87.7	53.3
72.5°	496.5	463.6	427.6	383.7	332.0	286.6	241.2	197.3	156.6	111.2	72.0
70°	631.2	579.5	526.2	479.3	413.5	341.4	288.2	238.1	186.4	136.3	90.8
67.5°	775.3	712.6	648.4	579.5	496.5	411.9	335.2	278.8	217.7	159.8	108.1
65°	931.9	853.6	772.1	695.4	581.1	480.8	394.7	317.9	247.5	181.7	125.3
62.5°	1093.2	1000.8	906.8	806.6	675.0	551.3	451.1	361.8	275.7	202.0	141.0
60°	1265.5	1157.4	1043.1	917.8	764.3	628.0	504.3	407.2	305.4	222.4	158.2
57.5°	1447.2	1329.7	1195.0	1025.9	856.7	701.7	565.4	447.9	332.0	241.2	170.7
55°	1644.5	1509.8	1362.6	1138.6	947.5	775.3	626.5	488.7	360.2	256.9	183.2
52.5°	1857.5	1700.9	1514.5	1257.7	1043.1	850.4	682.9	524.7	386.8	274.1	194.2
50°	2095.6	1898.2	1647.6	1367.3	1126.1	920.9	739.2	563.8	408.8	292.9	203.6
47.5°	2343.0	2130.0	1766.7	1469.1	1210.7	989.8	797.2	598.3	430.7	308.5	213.0
45°	2601.4	2291.3	1890.4	1559.9	1284.3	1052.5	841.0	629.6	457.3	322.6	220.8
42.5°	2856.7	2413.5	1998.5	1650.8	1353.2	1108.9	877.1	659.4	479.3	336.7	228.7
40°	2977.3	2505.9	2084.6	1713.4	1411.1	1159.0	908.4	686.0	498.0	346.1	236.5
37.5°	3027.5	2562.3	2141.0	1772.9	1456.6	1185.6	935.0	709.5	513.7	355.5	242.8
35°	3038.4	2582.7	2169.2	1813.7	1494.1	1210.7	955.4	726.7	526.2	364.9	249.0
32.5°	3018.1	2576.4	2177.0	1827.7	1517.6	1229.5	969.5	739.2	535.6	374.3	255.3
30°	2972.6	2543.5	2148.8	1826.2	1534.9	1240.4	978.9	748.6	545.0	380.6	258.4
27.5°	2899.0	2485.6	2112.8	1827.7	1544.3	1245.1	983.6	753.3	551.3	385.3	264.7
25°	2808.2	2407.2	2114.4	1824.6	1545.8	1246.7	983.6	753.3	552.9	386.8	269.4
22.5°	2703.3	2407.2	2114.4	1819.9	1536.4	1243.6	978.9	750.2	552.9	390.0	274.1
20°	2709.5	2408.8	2109.7	1810.5	1522.3	1234.2	967.9	742.4	548.2	394.7	277.2
17.5°	2714.2	2405.7	2100.3	1798.0	1503.5	1218.5	953.8	731.4	548.2	399.4	278.8
15°	2714.2	2396.3	2086.2	1779.2	1480.1	1196.6	933.5	722.0	549.7	400.9	281.9
12.5°	2709.5	2379.0	2064.2	1754.1	1451.9	1169.9	920.9	718.9	549.7	402.5	281.9
10°	2700.1	2355.6	2036.1	1722.8	1425.2	1160.5	914.7	712.6	546.6	402.5	281.9
7.5°	2682.9	2327.4	2012.6	1704.0	1409.6	1149.6	905.3	703.2	541.9	399.4	285.0
5°	2656.3	2311.7	1993.8	1682.1	1387.6	1141.8	899.0	695.4	538.8	399.4	281.9
2.5°	2621.8	2292.9	1971.8	1653.9	1362.6	1115.1	878.6	678.2	527.8	393.1	278.8
0°	2565.4	2255.3	1934.2	1614.7	1328.1	1088.5	858.3	660.9	516.8	386.8	275.7
-2.5°	2513.7	2205.2	1885.7	1574.0	1295.2	1065.0	842.6	651.5	512.1	385.3	274.1
-5°	2441.7	2136.3	1821.5	1520.8	1251.4	1041.5	827.0	640.6	507.4	382.2	274.1
-7.5°	2361.8	2064.2	1754.1	1466.0	1207.5	1000.8	797.2	623.3	496.5	375.9	272.5
-10°	2238.1	1956.2	1669.6	1403.3	1160.5	964.8	772.1	607.7	487.1	369.6	266.3
-12.5°	2106.5	1837.1	1572.5	1326.6	1107.3	927.2	743.9	590.5	476.1	363.4	263.1
-15°	1967.1	1715.0	1470.7	1246.7	1049.4	881.8	714.2	571.7	465.2	355.5	258.4
-17.5°	1821.5	1586.6	1365.7	1165.2	991.4	834.8	682.9	554.4	452.6	347.7	253.7
-20°	1668.0	1455.0	1259.2	1082.2	930.3	787.8	650.0	534.1	438.5	338.3	247.5



REPORT NUMBER: P722236
 CATALOG NUMBER: IFLD-M-SA4B-927-U-76

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
-22.5°	1516.1	1325.0	1149.6	1000.8	867.7	739.2	617.1	513.7	422.9	327.3	242.8
-25°	1381.4	1202.8	1052.5	922.5	806.6	692.3	582.6	493.4	405.6	316.4	236.5
-27.5°	1249.8	1097.9	956.9	848.9	747.1	646.8	549.7	471.4	388.4	303.8	230.2
-30°	1127.7	997.7	881.8	776.8	690.7	606.1	521.5	449.5	369.6	291.3	222.4
-32.5°	1016.5	911.5	814.4	714.2	637.4	565.4	494.9	427.6	350.8	278.8	214.6
-35°	913.1	831.6	747.1	662.5	584.2	527.8	466.7	404.1	333.6	264.7	206.7
-37.5°	820.7	754.9	687.6	615.5	548.2	491.8	440.1	380.6	316.4	252.2	198.9
-40°	740.8	687.6	628.0	570.1	513.7	460.5	413.5	357.1	299.1	242.8	191.1
-42.5°	667.2	626.5	577.9	529.4	479.3	432.3	386.8	332.0	281.9	231.8	183.2
-45°	610.8	570.1	530.9	487.1	444.8	404.1	358.7	310.1	266.3	219.3	175.4
-47.5°	557.6	521.5	485.5	449.5	415.0	377.5	332.0	291.3	249.0	208.3	169.1
-50°	510.6	476.1	444.8	413.5	383.7	347.7	305.4	272.5	234.9	197.3	161.3
-52.5°	466.7	437.0	405.6	380.6	355.5	319.5	285.0	253.7	220.8	184.8	153.5
-55°	427.6	399.4	371.2	347.7	324.2	292.9	264.7	238.1	206.7	175.4	145.7
-57.5°	390.0	366.5	339.9	317.9	294.4	269.4	245.9	220.8	192.6	166.0	137.8
-60°	355.5	333.6	310.1	288.2	267.8	247.5	225.5	205.2	180.1	155.1	130.0
-62.5°	321.1	302.3	281.9	260.0	244.3	225.5	208.3	187.9	167.6	145.7	115.9
-65°	289.7	272.5	253.7	234.9	220.8	206.7	191.1	172.3	155.1	134.7	103.4
-67.5°	258.4	242.8	227.1	211.4	198.9	187.9	172.3	158.2	144.1	122.2	90.8
-70°	228.7	216.1	202.0	189.5	180.1	167.6	156.6	144.1	131.6	106.5	76.7
-72.5°	200.5	187.9	177.0	167.6	159.8	148.8	139.4	130.0	112.8	89.3	64.2
-75°	167.6	159.8	153.5	145.7	137.8	130.0	122.2	111.2	94.0	72.0	50.1
-77.5°	137.8	133.1	128.4	122.2	115.9	109.6	100.2	89.3	75.2	56.4	40.7
-80°	112.8	108.1	104.9	98.7	94.0	87.7	78.3	68.9	54.8	43.9	32.9
-82.5°	86.1	83.0	79.9	76.7	72.0	65.8	56.4	48.6	40.7	32.9	25.1
-85°	61.1	59.5	56.4	53.3	48.6	43.9	37.6	32.9	28.2	21.9	17.2
-87.5°	31.3	29.8	28.2	26.6	25.1	21.9	18.8	15.7	14.1	11.0	7.8
-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-M-SA4B-927-U-76

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0
87.5°	6.3	4.7	1.6	0.0
85°	12.5	7.8	3.1	0.0
82.5°	18.8	12.5	4.7	0.0
80°	25.1	15.7	7.8	0.0
77.5°	31.3	18.8	9.4	0.0
75°	37.6	23.5	11.0	0.0
72.5°	42.3	26.6	12.5	0.0
70°	50.1	31.3	14.1	0.0
67.5°	62.6	34.5	15.7	0.0
65°	73.6	37.6	17.2	0.0
62.5°	86.1	40.7	18.8	0.0
60°	97.1	43.9	20.4	0.0
57.5°	108.1	51.7	21.9	0.0
55°	117.5	57.9	23.5	0.0
52.5°	128.4	64.2	25.1	0.0
50°	137.8	70.5	26.6	0.0
47.5°	145.7	76.7	26.6	0.0
45°	151.9	81.4	28.2	0.0
42.5°	156.6	86.1	29.8	0.0
40°	161.3	90.8	31.3	0.0
37.5°	166.0	95.5	31.3	0.0
35°	170.7	100.2	32.9	0.0
32.5°	175.4	104.9	32.9	0.0
30°	178.5	108.1	34.5	0.0
27.5°	183.2	111.2	34.5	0.0
25°	184.8	114.3	36.0	0.0
22.5°	187.9	115.9	36.0	0.0
20°	191.1	119.0	36.0	0.0
17.5°	192.6	120.6	37.6	0.0
15°	192.6	122.2	39.2	0.0
12.5°	194.2	123.7	39.2	0.0
10°	194.2	126.9	37.6	0.0
7.5°	197.3	125.3	37.6	0.0
5°	195.8	125.3	37.6	0.0
2.5°	194.2	123.7	37.6	0.0
0°	192.6	123.7	37.6	0.0
-2.5°	192.6	123.7	37.6	0.0
-5°	192.6	123.7	37.6	0.0
-7.5°	191.1	125.3	37.6	0.0
-10°	187.9	125.3	37.6	0.0
-12.5°	186.4	120.6	37.6	0.0
-15°	184.8	119.0	37.6	0.0
-17.5°	181.7	117.5	36.0	0.0
-20°	178.5	115.9	36.0	0.0



REPORT NUMBER: P722236
 CATALOG NUMBER: IFLD-M-SA4B-927-U-76

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	175.4	112.8	36.0	0.0
-25°	172.3	109.6	34.5	0.0
-27.5°	169.1	106.5	34.5	0.0
-30°	164.5	103.4	32.9	0.0
-32.5°	159.8	100.2	32.9	0.0
-35°	156.6	95.5	31.3	0.0
-37.5°	151.9	90.8	31.3	0.0
-40°	147.2	86.1	29.8	0.0
-42.5°	142.5	81.4	28.2	0.0
-45°	136.3	76.7	28.2	0.0
-47.5°	131.6	72.0	26.6	0.0
-50°	123.7	65.8	25.1	0.0
-52.5°	114.3	59.5	23.5	0.0
-55°	104.9	54.8	21.9	0.0
-57.5°	95.5	48.6	21.9	0.0
-60°	86.1	42.3	20.4	0.0
-62.5°	76.7	39.2	18.8	0.0
-65°	67.3	36.0	17.2	0.0
-67.5°	56.4	31.3	15.7	0.0
-70°	47.0	28.2	14.1	0.0
-72.5°	40.7	25.1	12.5	0.0
-75°	34.5	21.9	11.0	0.0
-77.5°	29.8	18.8	9.4	0.0
-80°	23.5	14.1	6.3	0.0
-82.5°	17.2	11.0	4.7	0.0
-85°	11.0	7.8	3.1	0.0
-87.5°	6.3	3.1	1.6	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)