

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: P724233

Luminaire Tested: **IFLD-L-SA7A-827-U-22-VI**

Issue Date: 01/11/2023

Test Information

Test Method: LM-79-2019
Report Number: P724233
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/11/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7A-827-U-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (112) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

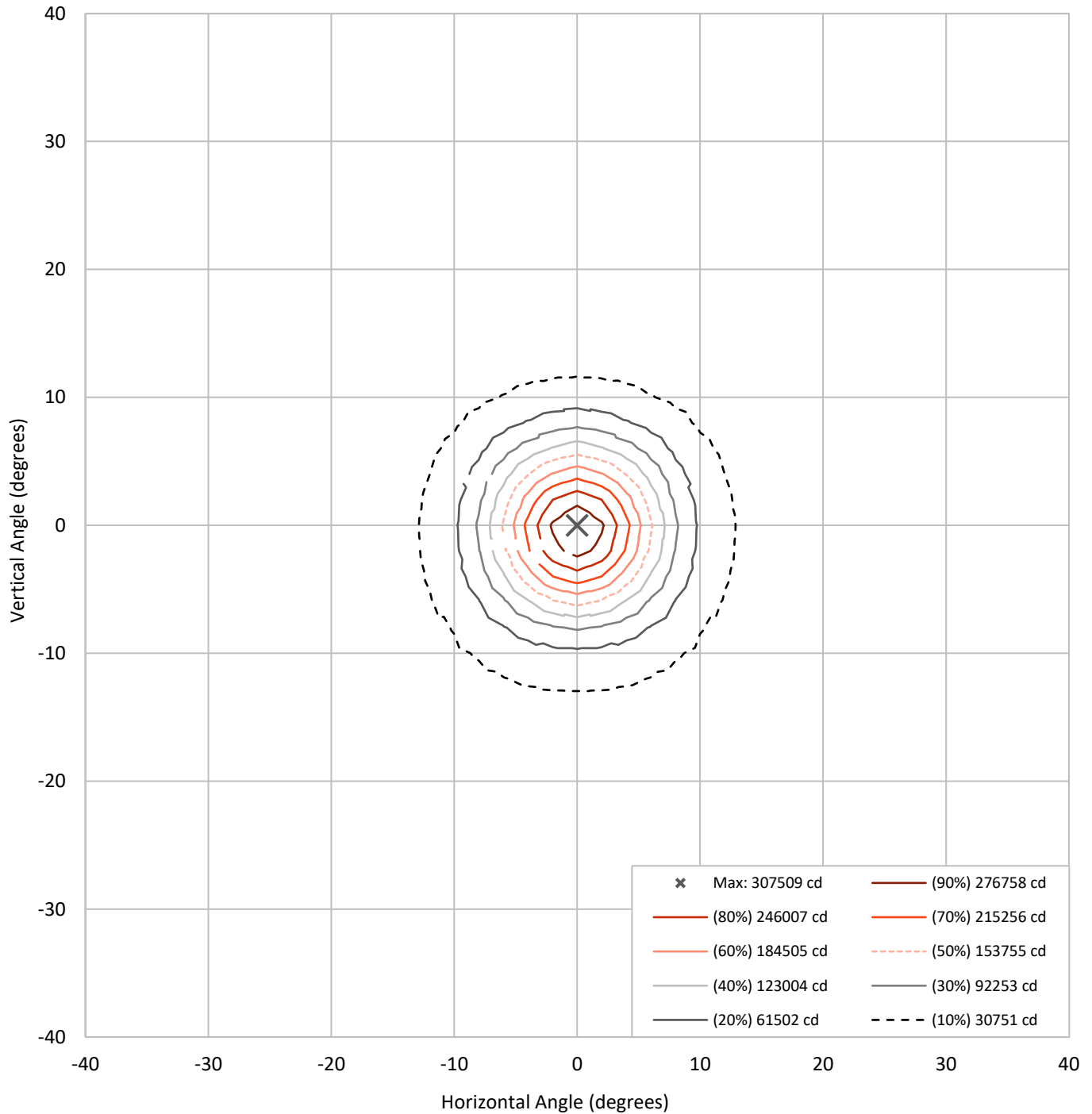
Lumens per Lamp: N/A	NEMA Type: 2H x 2V
Luminaire Lumens: 21479.6 lumens	Max Intensity: 307509 candela
Efficiency: N/A	Max Intensity Angle: 0°H x 0°V
Efficacy: 98.7 lumens/watt	
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')	
Beam Angle (50%): 12.2°H x 11.7°V	Field Angle (10%): 25.1°H x 24.3°V
Beam Lumens: 6719.8 lumens	Field Lumens: 15290 lumens
Beam Efficiency: 31.3%	Field Efficiency: 71.2%

Input Watts (W): 217.6
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





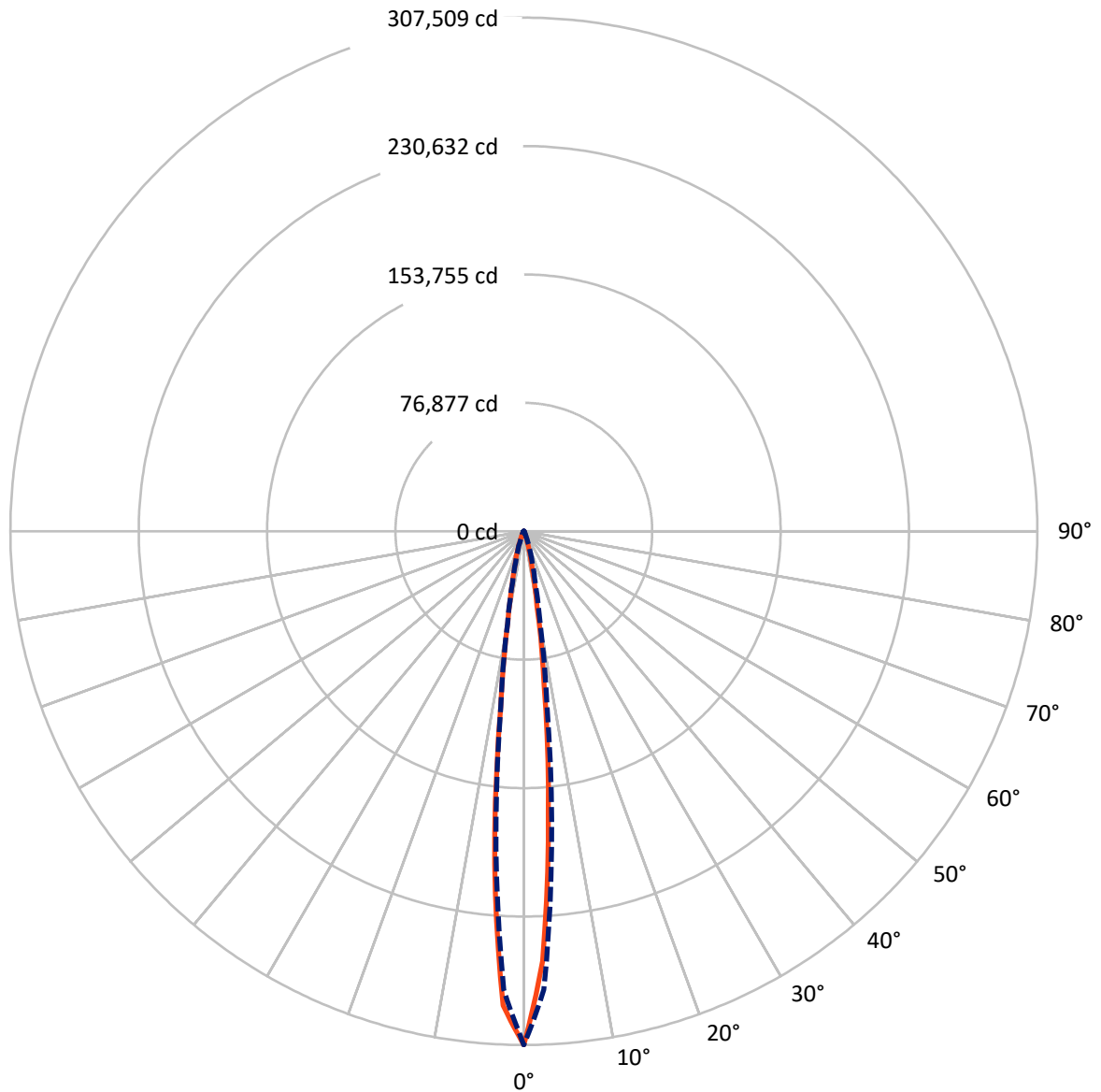
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Lumen Table

90	0.1	1.3		1.1		0.5		0.0		0.5		1.1		1.3		0.1			
80	0.1	1.3		1.1		0.5		0.0		0.5		1.1		1.3		0.1			
70	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2			
60		0.1	0.2	0.6	1.1	1.7	2.1	2.4	2.4	2.1	1.7	1.1	0.6	0.2	0.1				
50	0.1	0.2	0.7	1.8	3.1	4.3	5.7	6.7	6.7	5.7	4.3	3.1	1.8	0.7	0.2	0.1			
40		0.3	1.5	3.2	5.5	8.6	13.1	15.6	15.6	13.1	8.6	5.5	3.2	1.5	0.3				
30	0.2	0.6	2.3	4.7	8.6	14.9	28.7	46.2	46.2	28.7	14.9	8.6	4.7	2.3	0.6	0.2			
20		0.9	3.1	6.4	13.1	32.4	169.2	428.1	428.1	169.2	32.4	13.1	6.4	3.1	0.9				
10	0.4	1.2	3.7	7.6	16.0	65.8	545.0	3358.6	3358.6	545.0	65.8	16.0	7.6	3.7	1.2	0.4			
0		1.4	4.0	8.0	16.6	75.0	599.7	3698.8	3698.8	599.7	75.0	16.6	8.0	4.0	1.4				
-10	0.4	1.5	4.2	8.0	15.6	44.9	269.2	648.7	648.7	269.2	44.9	15.6	8.0	4.2	1.5	0.4			
-20		1.5	4.1	7.6	13.2	22.9	55.6	104.5	104.5	55.6	22.9	13.2	7.6	4.1	1.5				
-30	0.5	1.3	3.8	7.0	11.0	16.2	23.0	27.0	27.0	23.0	16.2	11.0	7.0	3.8	1.3	0.5			
-40		1.1	3.3	6.3	9.6	12.6	16.0	17.7	17.7	16.0	12.6	9.6	6.3	3.3	1.1				
-50	0.4	0.9	2.6	5.3	8.4	11.0	13.5	14.8	14.8	13.5	11.0	8.4	5.3	2.6	0.9	0.4			
-60		0.7	1.9	3.9	6.4	8.8	11.1	12.3	12.3	11.1	8.8	6.4	3.9	1.9	0.7				
-70	0.2	2.9		8.0		14.8		17.9		14.8		8.0		2.9		0.2			
-80		2.9		8.0		14.8		17.9		14.8		8.0		2.9					
-90	0.2	2.9		8.0		14.8		17.9		14.8		8.0		2.9		0.2			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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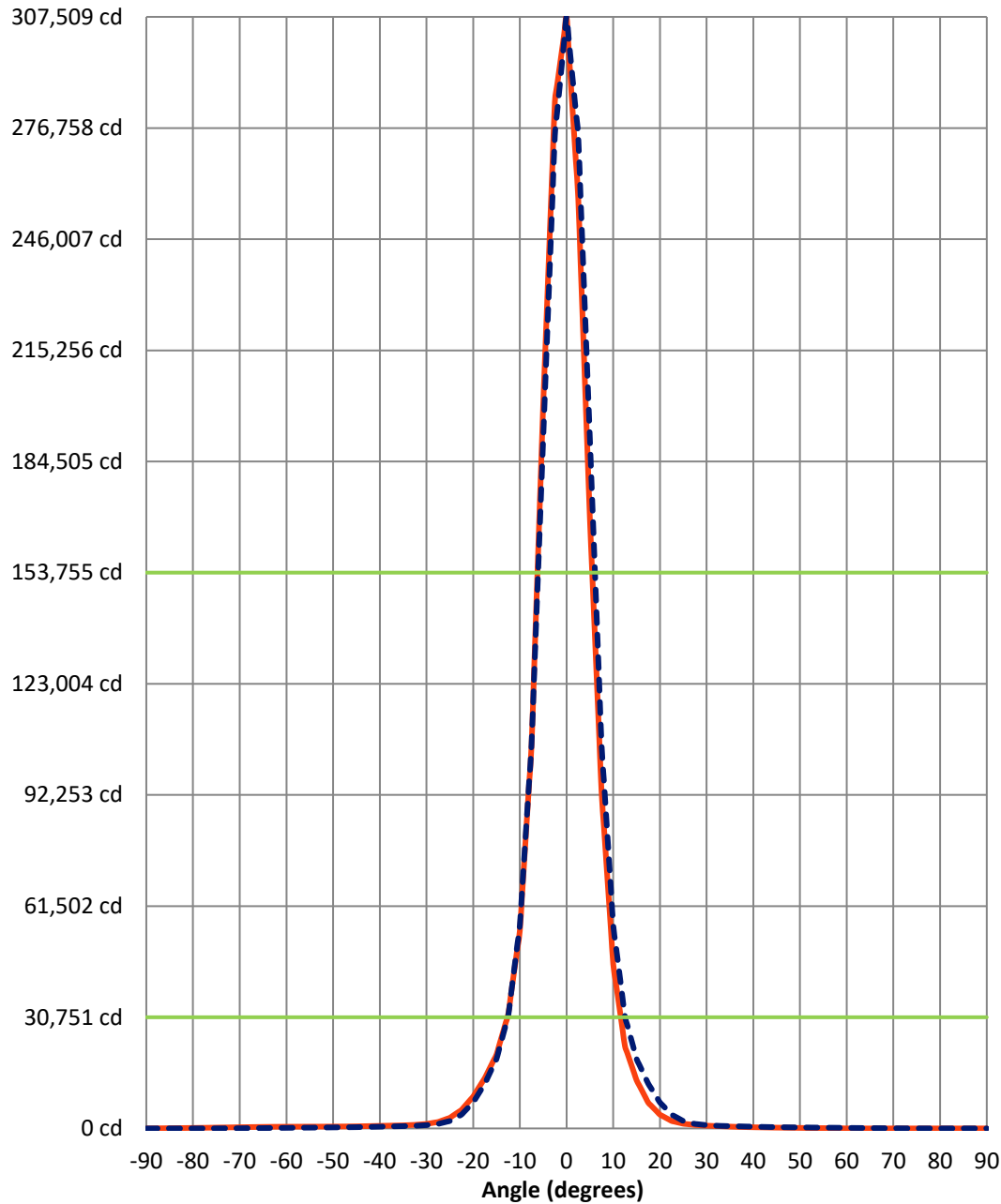
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
H Angle: 12.2°
V Angle: 11.7°
Lumens: 6719.8
Efficiency: 31.3%

Field:
H Angle: 25.1°
V Angle: 24.3°
Lumens: 15290
Efficiency: 71.2%

Spill:
Lumens: 6189.6
Efficiency: 28.8%

— Vertical Distribution through 0-Deg
- - Horizontal Distribution through 0-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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8
85°	0.0	0.0	0.0	0.0	3.8	3.8	3.8	3.8	3.8	7.7	7.7
82.5°	0.0	0.0	0.0	0.0	3.8	3.8	3.8	3.8	7.7	7.7	7.7
80°	0.0	0.0	0.0	0.0	3.8	3.8	3.8	3.8	7.7	7.7	7.7
77.5°	0.0	0.0	0.0	0.0	3.8	3.8	3.8	3.8	3.8	3.8	7.7
75°	0.0	0.0	0.0	0.0	3.8	3.8	3.8	3.8	3.8	3.8	3.8
72.5°	0.0	0.0	0.0	0.0	3.8	3.8	3.8	3.8	3.8	3.8	3.8
70°	0.0	0.0	0.0	0.0	3.8	3.8	3.8	3.8	3.8	3.8	3.8
67.5°	0.0	0.0	0.0	0.0	3.8	3.8	3.8	3.8	3.8	3.8	3.8
65°	0.0	0.0	0.0	0.0	3.8	3.8	3.8	3.8	3.8	3.8	3.8
62.5°	0.0	0.0	0.0	0.0	3.8	3.8	3.8	3.8	3.8	3.8	3.8
60°	7.7	7.7	7.7	7.7	11.5	11.5	15.4	15.4	15.4	7.7	15.4
57.5°	61.6	61.6	57.7	53.9	50.0	46.2	46.2	46.2	46.2	46.2	38.5
55°	84.7	84.7	84.7	80.8	80.8	77.0	73.1	69.3	69.3	65.4	61.6
52.5°	100.1	100.1	100.1	100.1	96.2	96.2	96.2	92.4	84.7	84.7	80.8
50°	142.4	138.5	138.5	138.5	138.5	130.8	127.0	119.3	115.4	111.6	107.7
47.5°	184.7	184.7	180.9	180.9	177.0	169.3	161.6	153.9	146.2	142.4	134.7
45°	219.3	219.3	215.5	215.5	211.6	204.0	192.4	180.9	173.2	165.5	157.8
42.5°	269.4	265.5	261.7	257.8	250.1	238.6	223.2	207.8	196.3	184.7	177.0
40°	323.2	323.2	319.4	315.5	304.0	292.5	273.2	254.0	234.7	211.6	200.1
37.5°	388.7	392.5	396.4	396.4	388.7	373.3	346.3	323.2	292.5	261.7	246.3
35°	508.0	508.0	515.7	515.7	504.1	484.9	465.6	415.6	377.1	338.6	304.0
32.5°	638.8	642.6	627.2	615.7	600.3	577.2	542.6	500.3	457.9	407.9	369.4
30°	765.8	765.8	746.5	723.5	692.7	654.2	611.9	565.7	515.7	465.6	419.4
27.5°	965.9	946.6	931.3	892.8	838.9	765.8	711.9	638.8	573.4	515.7	465.6
25°	1296.8	1293.0	1258.3	1192.9	1085.2	969.7	881.2	758.1	658.0	569.5	511.8
22.5°	2062.6	2035.7	1954.9	1793.2	1539.3	1339.2	1158.3	965.9	785.0	665.7	573.4
20°	3813.5	3725.0	3509.5	3063.1	2493.6	2101.1	1650.9	1327.6	1023.6	800.4	661.9
17.5°	7115.2	7057.5	6976.7	5945.4	4787.1	3955.9	2943.8	2035.7	1454.6	1046.7	785.0
15°	13337.7	12910.5	12017.8	10782.5	9162.4	7080.6	5206.5	3286.3	2078.0	1393.0	996.7
12.5°	22800.3	22326.9	20021.9	16931.8	14018.8	11055.7	7761.7	4994.9	2959.2	1770.1	1181.4
10°	45431.2	41994.8	35541.5	26525.3	20703.0	15438.8	10897.9	6815.1	3852.0	2235.8	1400.7
7.5°	93052.0	81823.1	63051.8	44511.5	28811.1	20248.9	13918.7	8912.3	5133.4	2797.6	1600.8
5°	168652.6	148730.8	112050.2	67469.5	41837.0	25378.5	16516.2	10597.8	6076.2	3255.5	1800.9
2.5°	257521.6	231750.6	161995.3	92774.9	51588.2	29349.8	18332.6	11706.1	6676.5	3567.2	1954.9
0°	307509.0	274684.3	190775.6	106216.5	56232.9	31035.3	19221.5	12371.8	7184.5	3821.2	2054.9
-2.5°	284062.3	257637.1	175325.3	98666.4	53735.5	30296.4	19348.5	12537.3	7269.1	3890.5	2101.1
-5°	200207.4	178519.2	121312.7	72810.7	45592.8	27906.7	18255.6	11913.9	7034.4	3790.4	2081.8
-7.5°	105920.2	96107.4	71944.9	52319.4	33278.7	23619.9	16435.4	10809.4	6426.4	3521.1	1966.4
-10°	54724.5	52711.9	45423.5	34240.8	26929.3	19787.2	14026.5	9243.2	5372.0	3032.3	1770.1
-12.5°	31550.9	31208.4	28864.9	24778.2	20649.1	16254.6	11509.8	7538.5	4483.1	2512.8	1493.1
-15°	20429.8	20576.0	19760.2	18059.3	15708.1	12164.0	8843.0	5606.7	3317.1	2035.7	1316.1
-17.5°	13941.8	13903.3	13522.4	12356.4	10463.1	8215.8	5860.7	3959.7	2512.8	1585.4	1092.9
-20°	8819.9	8835.3	8481.3	7677.0	6284.0	5064.2	3648.0	2670.6	1781.7	1246.8	965.9



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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°	5118.0	5129.6	4906.4	4452.3	3721.2	3001.6	2370.5	1766.3	1312.2	1039.0	846.6
-25°	2940.0	2893.8	2805.3	2586.0	2243.5	1851.0	1573.9	1243.0	1050.5	881.2	773.5
-27.5°	1781.7	1750.9	1704.7	1608.5	1473.8	1277.6	1150.6	1004.4	892.8	792.7	727.3
-30°	1243.0	1254.5	1216.0	1166.0	1104.4	1015.9	946.6	877.4	804.3	742.7	681.1
-32.5°	989.0	996.7	977.4	958.2	927.4	892.8	850.4	800.4	742.7	685.0	627.2
-35°	850.4	854.3	854.3	850.4	842.7	815.8	785.0	738.8	685.0	631.1	581.1
-37.5°	781.2	785.0	785.0	781.2	769.6	746.5	715.8	677.3	627.2	577.2	538.7
-40°	708.1	711.9	708.1	700.4	688.8	665.7	642.6	611.9	573.4	531.0	496.4
-42.5°	638.8	634.9	631.1	623.4	611.9	596.5	577.2	554.1	527.2	496.4	469.5
-45°	573.4	573.4	569.5	565.7	558.0	546.4	534.9	515.7	496.4	473.3	450.2
-47.5°	538.7	538.7	534.9	531.0	527.2	519.5	508.0	492.6	477.2	457.9	438.7
-50°	515.7	515.7	515.7	511.8	508.0	500.3	488.7	477.2	461.8	442.5	423.3
-52.5°	500.3	500.3	500.3	496.4	492.6	488.7	477.2	461.8	442.5	427.1	411.8
-55°	492.6	488.7	488.7	484.9	481.0	477.2	461.8	446.4	431.0	415.6	400.2
-57.5°	481.0	477.2	477.2	473.3	469.5	465.6	450.2	434.8	419.4	400.2	388.7
-60°	469.5	465.6	465.6	457.9	454.1	450.2	434.8	419.4	404.1	388.7	373.3
-62.5°	454.1	450.2	446.4	442.5	434.8	427.1	415.6	400.2	381.0	365.6	350.2
-65°	419.4	415.6	411.8	407.9	404.1	400.2	388.7	369.4	354.0	338.6	323.2
-67.5°	377.1	377.1	377.1	369.4	365.6	357.9	350.2	334.8	319.4	304.0	292.5
-70°	327.1	327.1	327.1	319.4	315.5	311.7	300.2	288.6	277.1	265.5	250.1
-72.5°	277.1	273.2	273.2	269.4	261.7	257.8	250.1	242.4	230.9	223.2	211.6
-75°	227.0	223.2	223.2	219.3	215.5	211.6	204.0	200.1	192.4	184.7	173.2
-77.5°	180.9	180.9	180.9	177.0	173.2	169.3	165.5	161.6	157.8	150.1	142.4
-80°	138.5	138.5	138.5	138.5	138.5	138.5	138.5	134.7	127.0	123.1	119.3
-82.5°	100.1	103.9	103.9	103.9	103.9	103.9	103.9	103.9	100.1	96.2	92.4
-85°	65.4	69.3	69.3	73.1	77.0	77.0	80.8	77.0	73.1	65.4	61.6
-87.5°	34.6	34.6	34.6	34.6	34.6	34.6	34.6	30.8	30.8	30.8	26.9
-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°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	7.7	7.7	7.7
85°	7.7	7.7	7.7	7.7	11.5	11.5	11.5	15.4	15.4	15.4	15.4
82.5°	7.7	11.5	11.5	11.5	15.4	15.4	19.2	23.1	30.8	34.6	34.6
80°	7.7	11.5	11.5	11.5	15.4	15.4	19.2	19.2	23.1	26.9	34.6
77.5°	7.7	7.7	11.5	11.5	11.5	15.4	15.4	19.2	19.2	23.1	26.9
75°	3.8	7.7	7.7	7.7	11.5	11.5	15.4	15.4	19.2	19.2	23.1
72.5°	3.8	7.7	7.7	7.7	11.5	11.5	15.4	15.4	15.4	19.2	19.2
70°	3.8	7.7	7.7	7.7	7.7	11.5	11.5	11.5	15.4	15.4	15.4
67.5°	3.8	3.8	3.8	7.7	7.7	7.7	7.7	11.5	11.5	11.5	15.4
65°	3.8	3.8	3.8	3.8	7.7	7.7	7.7	7.7	11.5	11.5	11.5
62.5°	3.8	3.8	3.8	7.7	7.7	7.7	7.7	7.7	11.5	11.5	11.5
60°	15.4	15.4	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
57.5°	34.6	34.6	30.8	26.9	23.1	23.1	19.2	15.4	15.4	11.5	11.5
55°	57.7	53.9	50.0	42.3	38.5	34.6	30.8	23.1	19.2	15.4	11.5
52.5°	73.1	69.3	65.4	61.6	53.9	46.2	42.3	38.5	30.8	23.1	19.2
50°	107.7	96.2	88.5	80.8	73.1	65.4	57.7	53.9	42.3	34.6	26.9
47.5°	130.8	123.1	111.6	103.9	96.2	84.7	73.1	65.4	57.7	46.2	34.6
45°	150.1	142.4	130.8	123.1	115.4	103.9	92.4	80.8	73.1	61.6	46.2
42.5°	169.3	161.6	150.1	142.4	130.8	119.3	107.7	96.2	84.7	77.0	61.6
40°	196.3	184.7	169.3	161.6	153.9	138.5	123.1	111.6	100.1	88.5	73.1
37.5°	230.9	219.3	200.1	184.7	173.2	161.6	146.2	130.8	119.3	103.9	88.5
35°	284.8	265.5	238.6	215.5	200.1	184.7	165.5	150.1	134.7	119.3	103.9
32.5°	338.6	307.9	273.2	246.3	223.2	204.0	184.7	169.3	150.1	130.8	115.4
30°	381.0	346.3	311.7	273.2	246.3	223.2	204.0	184.7	165.5	146.2	127.0
27.5°	423.3	384.8	346.3	307.9	269.4	238.6	219.3	200.1	180.9	161.6	138.5
25°	465.6	423.3	384.8	342.5	296.3	261.7	234.7	219.3	200.1	177.0	150.1
22.5°	504.1	465.6	427.1	381.0	327.1	280.9	254.0	234.7	215.5	188.6	165.5
20°	577.2	527.2	481.0	423.3	361.7	315.5	280.9	254.0	230.9	204.0	177.0
17.5°	673.4	600.3	538.7	473.3	411.8	354.0	304.0	273.2	250.1	219.3	188.6
15°	796.6	669.6	592.6	527.2	454.1	388.7	334.8	292.5	261.7	230.9	204.0
12.5°	888.9	723.5	638.8	577.2	500.3	427.1	357.9	307.9	273.2	242.4	211.6
10°	992.8	781.2	677.3	608.0	527.2	446.4	373.3	319.4	280.9	254.0	223.2
7.5°	1077.5	827.4	696.5	619.6	542.6	461.8	388.7	330.9	292.5	261.7	230.9
5°	1154.4	865.8	711.9	623.4	550.3	473.3	396.4	338.6	300.2	269.4	238.6
2.5°	1208.3	900.5	727.3	631.1	558.0	481.0	407.9	346.3	307.9	277.1	246.3
0°	1254.5	912.0	723.5	631.1	561.8	481.0	411.8	350.2	311.7	280.9	250.1
-2.5°	1269.9	931.3	742.7	638.8	569.5	488.7	419.4	354.0	315.5	284.8	257.8
-5°	1269.9	915.9	742.7	646.5	573.4	492.6	419.4	357.9	319.4	288.6	257.8
-7.5°	1223.7	892.8	738.8	654.2	577.2	496.4	419.4	361.7	323.2	292.5	261.7
-10°	1142.9	858.1	735.0	658.0	577.2	492.6	419.4	361.7	323.2	292.5	265.5
-12.5°	1012.1	812.0	715.8	650.3	569.5	484.9	415.6	361.7	323.2	296.3	265.5
-15°	946.6	773.5	692.7	627.2	550.3	473.3	407.9	357.9	323.2	296.3	269.4
-17.5°	858.1	742.7	669.6	604.2	534.9	461.8	400.2	357.9	323.2	292.5	269.4
-20°	796.6	708.1	642.6	584.9	515.7	450.2	396.4	354.0	323.2	292.5	269.4



REPORT NUMBER: P724233

CATALOG NUMBER: IFLD-L-SA7A-827-U-22-VI

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
-22.5°	742.7	669.6	611.9	554.1	492.6	434.8	388.7	350.2	319.4	292.5	269.4
-25°	700.4	634.9	581.1	527.2	473.3	423.3	381.0	346.3	315.5	292.5	265.5
-27.5°	661.9	600.3	550.3	500.3	450.2	411.8	373.3	342.5	315.5	288.6	261.7
-30°	619.6	569.5	519.5	473.3	438.7	400.2	365.6	334.8	311.7	284.8	257.8
-32.5°	577.2	531.0	488.7	454.1	423.3	392.5	361.7	330.9	304.0	277.1	250.1
-35°	538.7	496.4	465.6	434.8	411.8	384.8	354.0	323.2	300.2	273.2	250.1
-37.5°	500.3	469.5	442.5	419.4	396.4	373.3	342.5	315.5	292.5	265.5	238.6
-40°	469.5	446.4	427.1	407.9	384.8	357.9	334.8	307.9	284.8	257.8	227.0
-42.5°	450.2	431.0	411.8	392.5	373.3	350.2	327.1	300.2	277.1	250.1	219.3
-45°	431.0	415.6	400.2	384.8	365.6	342.5	315.5	288.6	265.5	238.6	215.5
-47.5°	419.4	404.1	388.7	377.1	361.7	330.9	307.9	280.9	254.0	230.9	204.0
-50°	407.9	392.5	381.0	365.6	346.3	319.4	296.3	269.4	246.3	219.3	196.3
-52.5°	396.4	381.0	365.6	350.2	330.9	307.9	284.8	261.7	234.7	207.8	184.7
-55°	384.8	369.4	354.0	338.6	319.4	300.2	277.1	246.3	219.3	192.4	169.3
-57.5°	373.3	361.7	342.5	323.2	304.0	284.8	257.8	230.9	204.0	177.0	157.8
-60°	357.9	342.5	327.1	304.0	284.8	261.7	238.6	215.5	188.6	165.5	146.2
-62.5°	334.8	319.4	304.0	280.9	261.7	242.4	223.2	196.3	177.0	153.9	134.7
-65°	307.9	292.5	277.1	257.8	238.6	219.3	204.0	180.9	161.6	142.4	127.0
-67.5°	277.1	261.7	250.1	230.9	215.5	196.3	180.9	161.6	142.4	127.0	111.6
-70°	238.6	227.0	215.5	200.1	184.7	169.3	153.9	138.5	123.1	111.6	96.2
-72.5°	204.0	192.4	180.9	169.3	157.8	142.4	130.8	119.3	107.7	96.2	88.5
-75°	165.5	157.8	150.1	142.4	130.8	119.3	111.6	100.1	92.4	84.7	80.8
-77.5°	138.5	130.8	123.1	115.4	107.7	100.1	92.4	84.7	80.8	77.0	73.1
-80°	111.6	107.7	103.9	96.2	92.4	84.7	80.8	73.1	73.1	73.1	73.1
-82.5°	88.5	84.7	80.8	77.0	73.1	69.3	69.3	65.4	69.3	69.3	65.4
-85°	61.6	57.7	53.9	53.9	50.0	50.0	46.2	46.2	46.2	42.3	42.3
-87.5°	26.9	26.9	26.9	26.9	23.1	23.1	23.1	23.1	23.1	19.2	19.2
-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: P724233
 CATALOG NUMBER: IFLD-L-SA7A-827-U-22-VI

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°	7.7	7.7	3.8	3.8	3.8	3.8	3.8	3.8	3.8	0.0	0.0
85°	15.4	15.4	11.5	11.5	11.5	7.7	7.7	3.8	3.8	3.8	3.8
82.5°	34.6	30.8	26.9	23.1	19.2	15.4	11.5	7.7	7.7	3.8	3.8
80°	42.3	42.3	42.3	38.5	30.8	23.1	15.4	11.5	7.7	3.8	3.8
77.5°	30.8	30.8	34.6	38.5	38.5	30.8	19.2	11.5	7.7	7.7	3.8
75°	23.1	23.1	23.1	26.9	30.8	30.8	23.1	15.4	7.7	7.7	3.8
72.5°	23.1	23.1	23.1	23.1	23.1	23.1	23.1	15.4	11.5	7.7	7.7
70°	19.2	19.2	19.2	19.2	19.2	19.2	19.2	15.4	11.5	7.7	7.7
67.5°	15.4	15.4	19.2	19.2	19.2	15.4	15.4	15.4	11.5	7.7	7.7
65°	11.5	15.4	15.4	19.2	15.4	15.4	15.4	11.5	11.5	7.7	7.7
62.5°	11.5	11.5	15.4	15.4	15.4	15.4	11.5	11.5	11.5	7.7	7.7
60°	11.5	11.5	11.5	15.4	11.5	11.5	11.5	11.5	11.5	7.7	7.7
57.5°	11.5	11.5	11.5	11.5	11.5	11.5	11.5	7.7	7.7	7.7	7.7
55°	11.5	11.5	11.5	11.5	11.5	11.5	7.7	7.7	7.7	7.7	7.7
52.5°	15.4	11.5	11.5	11.5	11.5	11.5	7.7	7.7	7.7	7.7	7.7
50°	19.2	11.5	11.5	11.5	11.5	7.7	7.7	7.7	7.7	7.7	7.7
47.5°	26.9	19.2	15.4	11.5	11.5	7.7	7.7	7.7	7.7	7.7	3.8
45°	38.5	26.9	19.2	15.4	11.5	7.7	7.7	7.7	7.7	7.7	3.8
42.5°	46.2	34.6	23.1	19.2	15.4	11.5	7.7	7.7	7.7	3.8	3.8
40°	57.7	46.2	30.8	23.1	15.4	11.5	7.7	7.7	7.7	3.8	3.8
37.5°	73.1	57.7	38.5	26.9	19.2	11.5	11.5	7.7	7.7	3.8	3.8
35°	84.7	65.4	50.0	30.8	23.1	15.4	11.5	7.7	7.7	3.8	3.8
32.5°	96.2	77.0	61.6	38.5	26.9	19.2	15.4	7.7	7.7	3.8	3.8
30°	107.7	88.5	69.3	50.0	34.6	23.1	15.4	7.7	7.7	3.8	3.8
27.5°	119.3	96.2	77.0	57.7	38.5	26.9	19.2	11.5	7.7	3.8	3.8
25°	130.8	107.7	84.7	65.4	42.3	30.8	19.2	11.5	7.7	7.7	3.8
22.5°	138.5	119.3	96.2	73.1	50.0	34.6	23.1	15.4	7.7	7.7	3.8
20°	150.1	130.8	103.9	80.8	57.7	38.5	23.1	15.4	7.7	7.7	3.8
17.5°	161.6	138.5	111.6	88.5	65.4	42.3	26.9	19.2	7.7	7.7	3.8
15°	173.2	146.2	119.3	92.4	69.3	46.2	26.9	19.2	7.7	7.7	3.8
12.5°	184.7	157.8	127.0	100.1	73.1	50.0	30.8	23.1	11.5	7.7	3.8
10°	192.4	165.5	134.7	103.9	77.0	57.7	34.6	23.1	11.5	7.7	3.8
7.5°	204.0	173.2	142.4	111.6	80.8	61.6	38.5	23.1	11.5	7.7	3.8
5°	207.8	180.9	146.2	119.3	84.7	65.4	42.3	26.9	11.5	7.7	3.8
2.5°	211.6	188.6	150.1	123.1	88.5	65.4	42.3	26.9	15.4	7.7	3.8
0°	215.5	192.4	153.9	127.0	92.4	69.3	46.2	26.9	15.4	7.7	3.8
-2.5°	219.3	196.3	161.6	130.8	96.2	73.1	50.0	26.9	15.4	7.7	3.8
-5°	223.2	196.3	169.3	134.7	100.1	73.1	50.0	30.8	19.2	7.7	3.8
-7.5°	227.0	200.1	173.2	138.5	103.9	73.1	53.9	30.8	19.2	11.5	3.8
-10°	230.9	204.0	177.0	142.4	103.9	77.0	53.9	30.8	19.2	11.5	3.8
-12.5°	234.7	207.8	177.0	142.4	107.7	77.0	53.9	34.6	19.2	11.5	3.8
-15°	238.6	207.8	177.0	142.4	107.7	80.8	57.7	34.6	19.2	11.5	7.7
-17.5°	238.6	207.8	177.0	146.2	107.7	80.8	57.7	34.6	19.2	11.5	7.7
-20°	238.6	207.8	177.0	146.2	107.7	80.8	57.7	34.6	19.2	11.5	7.7



REPORT NUMBER: P724233

CATALOG NUMBER: IFLD-L-SA7A-827-U-22-VI

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
-22.5°	234.7	204.0	177.0	142.4	107.7	80.8	57.7	34.6	23.1	11.5	7.7
-25°	234.7	204.0	177.0	142.4	107.7	80.8	53.9	34.6	23.1	11.5	7.7
-27.5°	230.9	204.0	173.2	138.5	103.9	77.0	53.9	34.6	23.1	11.5	7.7
-30°	227.0	200.1	169.3	134.7	103.9	77.0	53.9	34.6	23.1	11.5	7.7
-32.5°	223.2	192.4	165.5	130.8	100.1	73.1	53.9	34.6	23.1	11.5	7.7
-35°	215.5	188.6	157.8	127.0	96.2	73.1	50.0	34.6	23.1	15.4	7.7
-37.5°	207.8	180.9	153.9	123.1	92.4	69.3	50.0	34.6	23.1	15.4	7.7
-40°	200.1	177.0	146.2	115.4	88.5	65.4	50.0	34.6	23.1	15.4	11.5
-42.5°	192.4	169.3	142.4	111.6	88.5	65.4	46.2	34.6	23.1	15.4	11.5
-45°	188.6	165.5	134.7	107.7	84.7	65.4	46.2	30.8	23.1	15.4	11.5
-47.5°	180.9	153.9	127.0	103.9	80.8	61.6	42.3	30.8	23.1	15.4	11.5
-50°	169.3	146.2	123.1	100.1	77.0	57.7	42.3	30.8	23.1	15.4	11.5
-52.5°	157.8	134.7	115.4	92.4	73.1	57.7	42.3	30.8	23.1	15.4	11.5
-55°	146.2	127.0	107.7	88.5	69.3	53.9	38.5	30.8	23.1	15.4	11.5
-57.5°	138.5	119.3	100.1	80.8	65.4	50.0	38.5	26.9	19.2	15.4	11.5
-60°	130.8	111.6	92.4	77.0	61.6	50.0	38.5	26.9	19.2	15.4	7.7
-62.5°	119.3	103.9	84.7	73.1	57.7	46.2	34.6	26.9	19.2	15.4	7.7
-65°	107.7	92.4	77.0	65.4	53.9	42.3	34.6	26.9	19.2	15.4	7.7
-67.5°	96.2	84.7	73.1	61.6	50.0	42.3	34.6	26.9	19.2	11.5	7.7
-70°	88.5	77.0	65.4	57.7	50.0	38.5	34.6	26.9	19.2	11.5	7.7
-72.5°	77.0	69.3	61.6	53.9	46.2	42.3	34.6	26.9	15.4	11.5	7.7
-75°	73.1	65.4	57.7	53.9	50.0	42.3	34.6	23.1	15.4	11.5	7.7
-77.5°	73.1	65.4	61.6	57.7	50.0	42.3	30.8	19.2	11.5	11.5	7.7
-80°	73.1	69.3	65.4	53.9	46.2	34.6	23.1	19.2	11.5	7.7	3.8
-82.5°	65.4	53.9	46.2	38.5	34.6	26.9	19.2	15.4	7.7	7.7	3.8
-85°	42.3	34.6	30.8	26.9	23.1	19.2	11.5	7.7	7.7	3.8	3.8
-87.5°	19.2	19.2	15.4	11.5	11.5	7.7	7.7	3.8	3.8	3.8	0.0
-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: P724233
 CATALOG NUMBER: IFLD-L-SA7A-827-U-22-VI

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0
80°	3.8	0.0	0.0	0.0
77.5°	3.8	0.0	0.0	0.0
75°	3.8	3.8	0.0	0.0
72.5°	3.8	3.8	0.0	0.0
70°	3.8	3.8	0.0	0.0
67.5°	3.8	3.8	0.0	0.0
65°	3.8	3.8	0.0	0.0
62.5°	3.8	3.8	0.0	0.0
60°	3.8	3.8	0.0	0.0
57.5°	3.8	3.8	3.8	0.0
55°	3.8	3.8	3.8	0.0
52.5°	3.8	3.8	3.8	0.0
50°	3.8	3.8	3.8	0.0
47.5°	3.8	3.8	3.8	0.0
45°	3.8	3.8	3.8	0.0
42.5°	3.8	3.8	3.8	0.0
40°	3.8	3.8	3.8	0.0
37.5°	3.8	3.8	3.8	0.0
35°	3.8	3.8	3.8	0.0
32.5°	3.8	3.8	3.8	0.0
30°	3.8	3.8	3.8	0.0
27.5°	3.8	3.8	3.8	0.0
25°	3.8	3.8	3.8	0.0
22.5°	3.8	3.8	3.8	0.0
20°	3.8	3.8	3.8	0.0
17.5°	3.8	3.8	3.8	0.0
15°	3.8	3.8	3.8	0.0
12.5°	3.8	3.8	3.8	0.0
10°	3.8	3.8	3.8	0.0
7.5°	3.8	3.8	3.8	0.0
5°	3.8	3.8	3.8	0.0
2.5°	3.8	3.8	3.8	0.0
0°	3.8	3.8	3.8	0.0
-2.5°	3.8	3.8	3.8	0.0
-5°	3.8	3.8	3.8	0.0
-7.5°	3.8	3.8	3.8	0.0
-10°	3.8	3.8	3.8	0.0
-12.5°	3.8	3.8	3.8	0.0
-15°	3.8	3.8	3.8	0.0
-17.5°	3.8	3.8	3.8	0.0
-20°	3.8	3.8	3.8	0.0



REPORT NUMBER: P724233

CATALOG NUMBER: IFLD-L-SA7A-827-U-22-VI

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	3.8	3.8	3.8	0.0
-25°	3.8	3.8	3.8	0.0
-27.5°	3.8	3.8	3.8	0.0
-30°	3.8	3.8	3.8	0.0
-32.5°	3.8	3.8	3.8	0.0
-35°	3.8	3.8	3.8	0.0
-37.5°	3.8	3.8	3.8	0.0
-40°	3.8	3.8	3.8	0.0
-42.5°	3.8	3.8	3.8	0.0
-45°	3.8	3.8	3.8	0.0
-47.5°	3.8	3.8	3.8	0.0
-50°	3.8	3.8	3.8	0.0
-52.5°	3.8	3.8	3.8	0.0
-55°	3.8	3.8	3.8	0.0
-57.5°	3.8	3.8	3.8	0.0
-60°	3.8	3.8	0.0	0.0
-62.5°	3.8	3.8	0.0	0.0
-65°	3.8	3.8	0.0	0.0
-67.5°	3.8	3.8	0.0	0.0
-70°	3.8	3.8	0.0	0.0
-72.5°	3.8	3.8	0.0	0.0
-75°	3.8	3.8	0.0	0.0
-77.5°	3.8	0.0	0.0	0.0
-80°	3.8	0.0	0.0	0.0
-82.5°	3.8	0.0	0.0	0.0
-85°	0.0	0.0	0.0	0.0
-87.5°	0.0	0.0	0.0	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)