

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: P724047

Luminaire Tested: **IFLD-S-SA3D-727-U-22-VI**

Issue Date: 01/11/2023

Test Information

Test Method: LM-79-2019
Report Number: P724047
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/11/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3D-727-U-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (48) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

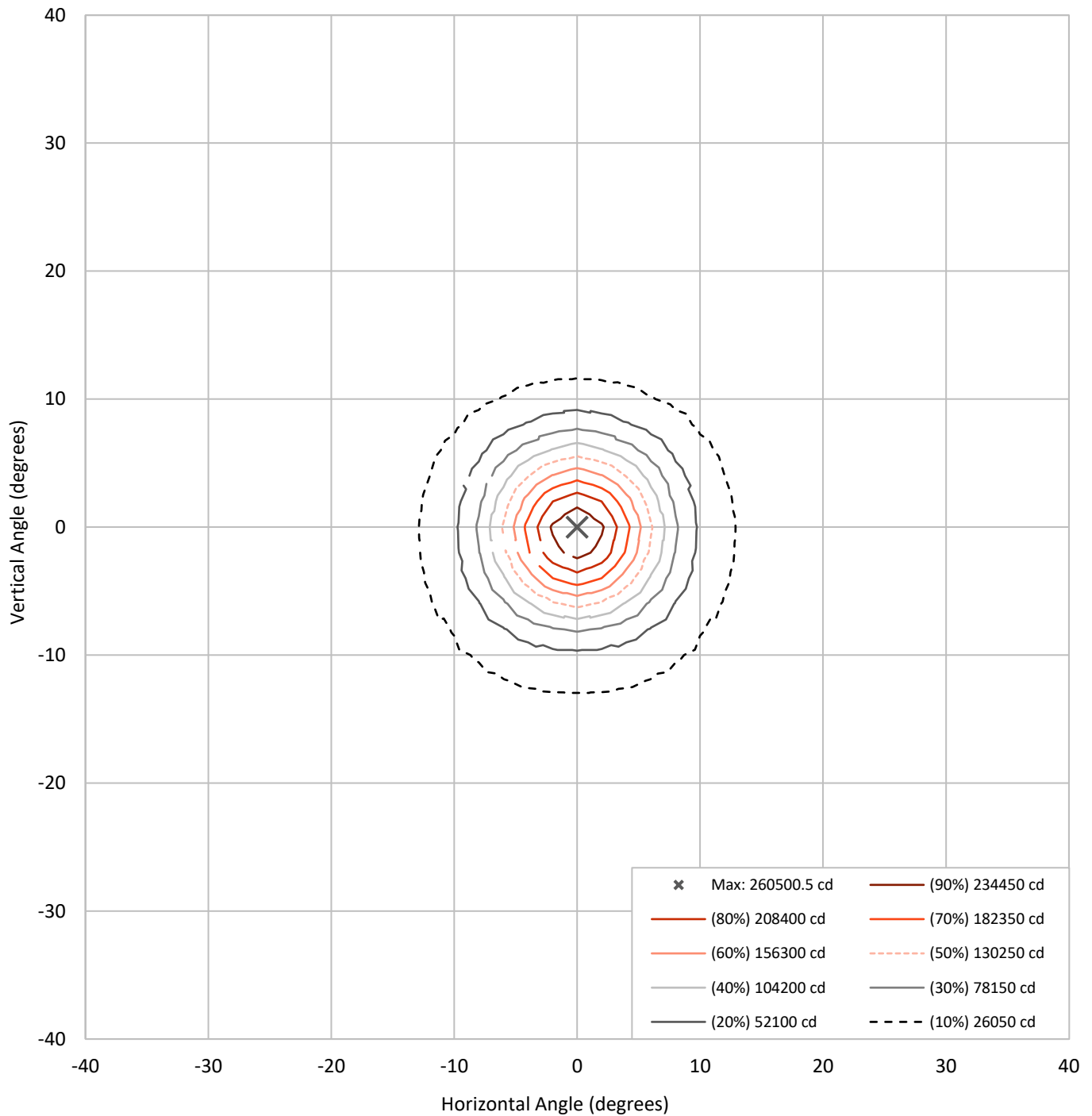
Lumens per Lamp:	N/A	NEMA Type:	2H x 2V
Luminaire Lumens:	18196.1 lumens	Max Intensity:	260500.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	98.8 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	12.2°H x 11.7°V	Field Angle (10%):	25.1°H x 24.3°V
Beam Lumens:	5692.6 lumens	Field Lumens:	12952.6 lumens
Beam Efficiency:	31.3%	Field Efficiency:	71.2%

Input Watts (W): 184.1
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





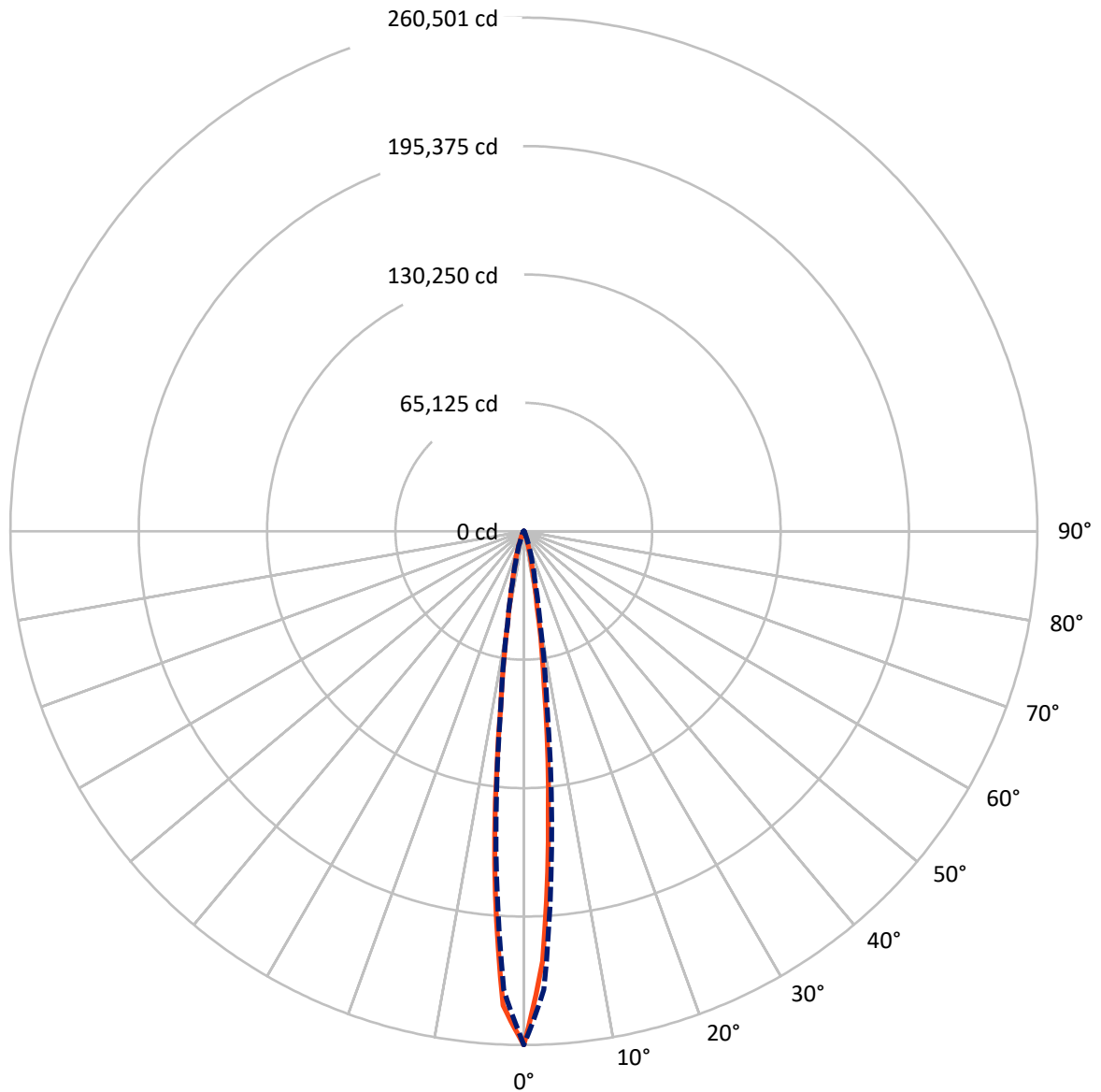
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Lumen Table

90	0.1	1.1	0.9	0.4	0.0	0.4	0.9	1.1	0.1										
80	0.1	1.1	0.9	0.4	0.0	0.4	0.9	1.1	0.1										
70	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.1			
60		0.1	0.2	0.5	0.9	1.4	1.8	2.0	2.0	1.8	1.4	0.9	0.5	0.2	0.1				
50	0.1	0.1	0.6	1.5	2.6	3.7	4.8	5.7	5.7	4.8	3.7	2.6	1.5	0.6	0.1	0.1			
40		0.3	1.3	2.7	4.6	7.3	11.1	13.2	13.2	11.1	7.3	4.6	2.7	1.3	0.3				
30	0.2	0.5	1.9	4.0	7.3	12.6	24.3	39.2	39.2	24.3	12.6	7.3	4.0	1.9	0.5	0.2			
20		0.8	2.6	5.5	11.1	27.4	143.4	362.7	362.7	143.4	27.4	11.1	5.5	2.6	0.8				
10	0.3	1.0	3.1	6.4	13.5	55.7	461.7	2845.2	2845.2	461.7	55.7	13.5	6.4	3.1	1.0	0.3			
0		1.2	3.4	6.8	14.1	63.5	508.1	3133.3	3133.3	508.1	63.5	14.1	6.8	3.4	1.2				
-10	0.4	1.3	3.5	6.8	13.2	38.1	228.0	549.5	549.5	228.0	38.1	13.2	6.8	3.5	1.3	0.4			
-20		1.2	3.5	6.4	11.2	19.4	47.1	88.5	88.5	47.1	19.4	11.2	6.4	3.5	1.2				
-30	0.4	1.1	3.2	6.0	9.3	13.8	19.5	22.8	22.8	19.5	13.8	9.3	6.0	3.2	1.1	0.4			
-40		1.0	2.8	5.3	8.1	10.7	13.5	15.0	15.0	13.5	10.7	8.1	5.3	2.8	1.0				
-50	0.3	0.8	2.2	4.5	7.1	9.3	11.5	12.5	12.5	11.5	9.3	7.1	4.5	2.2	0.8	0.3			
-60		0.6	1.6	3.3	5.4	7.5	9.4	10.4	10.4	9.4	7.5	5.4	3.3	1.6	0.6				
-70	0.2	0.6	1.6	3.3	5.4	7.5	9.4	10.4	10.4	9.4	7.5	5.4	3.3	1.6	0.6	0.2			
-80		0.2	2.5	6.8	12.6	15.2	12.6	6.8	2.5	0.2									
-90	0.2	2.5	6.8	12.6	15.2	12.6	6.8	2.5	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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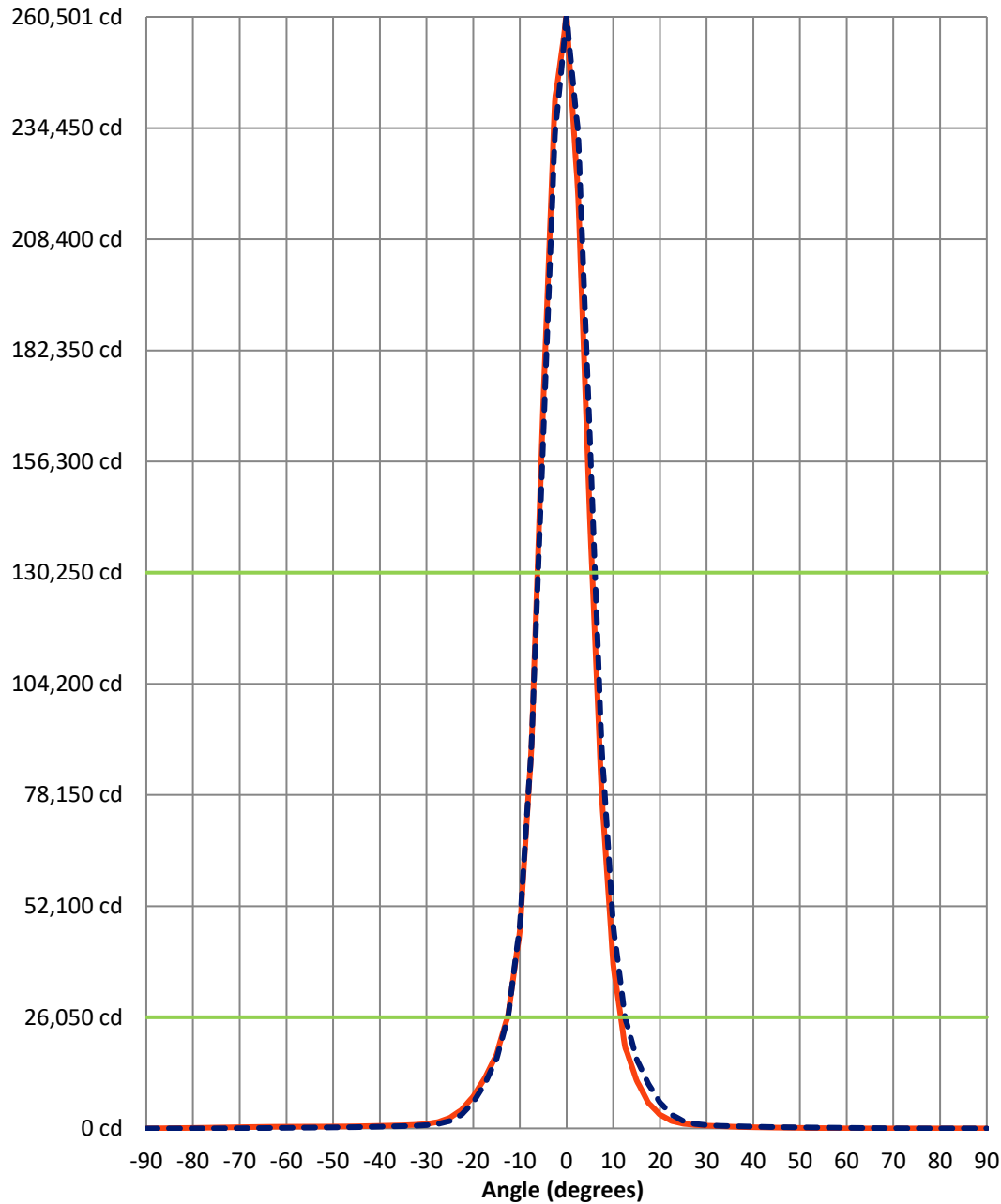
Luminous Intensity Polar Plot



— 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: 5692.6
Efficiency: 31.3%

Field:
H Angle: 25.1°
V Angle: 24.3°
Lumens: 12952.6
Efficiency: 71.2%

Spill:
Lumens: 5243.4
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	3.3	3.3
85°	0.0	0.0	0.0	0.0	3.3	3.3	3.3	3.3	3.3	6.5	6.5
82.5°	0.0	0.0	0.0	0.0	3.3	3.3	3.3	3.3	6.5	6.5	6.5
80°	0.0	0.0	0.0	0.0	3.3	3.3	3.3	3.3	6.5	6.5	6.5
77.5°	0.0	0.0	0.0	0.0	3.3	3.3	3.3	3.3	3.3	3.3	6.5
75°	0.0	0.0	0.0	0.0	3.3	3.3	3.3	3.3	3.3	3.3	3.3
72.5°	0.0	0.0	0.0	0.0	3.3	3.3	3.3	3.3	3.3	3.3	3.3
70°	0.0	0.0	0.0	0.0	3.3	3.3	3.3	3.3	3.3	3.3	3.3
67.5°	0.0	0.0	0.0	0.0	3.3	3.3	3.3	3.3	3.3	3.3	3.3
65°	0.0	0.0	0.0	0.0	3.3	3.3	3.3	3.3	3.3	3.3	3.3
62.5°	0.0	0.0	0.0	0.0	3.3	3.3	3.3	3.3	3.3	3.3	3.3
60°	6.5	6.5	6.5	6.5	9.8	9.8	13.0	13.0	13.0	6.5	13.0
57.5°	52.2	52.2	48.9	45.6	42.4	39.1	39.1	39.1	39.1	39.1	32.6
55°	71.7	71.7	71.7	68.5	68.5	65.2	61.9	58.7	58.7	55.4	52.2
52.5°	84.8	84.8	84.8	84.8	81.5	81.5	81.5	78.2	71.7	71.7	68.5
50°	120.6	117.4	117.4	117.4	117.4	110.8	107.6	101.1	97.8	94.5	91.3
47.5°	156.5	156.5	153.2	153.2	150.0	143.4	136.9	130.4	123.9	120.6	114.1
45°	185.8	185.8	182.6	182.6	179.3	172.8	163.0	153.2	146.7	140.2	133.7
42.5°	228.2	224.9	221.7	218.4	211.9	202.1	189.1	176.0	166.3	156.5	150.0
40°	273.8	273.8	270.6	267.3	257.5	247.8	231.5	215.2	198.9	179.3	169.5
37.5°	329.2	332.5	335.8	335.8	329.2	316.2	293.4	273.8	247.8	221.7	208.6
35°	430.3	430.3	436.8	436.8	427.0	410.7	394.4	352.1	319.5	286.9	257.5
32.5°	541.1	544.4	531.4	521.6	508.5	489.0	459.6	423.8	387.9	345.5	312.9
30°	648.7	648.7	632.4	612.9	586.8	554.2	518.3	479.2	436.8	394.4	355.3
27.5°	818.2	801.9	788.9	756.3	710.7	648.7	603.1	541.1	485.7	436.8	394.4
25°	1098.6	1095.3	1066.0	1010.6	919.3	821.5	746.5	642.2	557.4	482.5	433.6
22.5°	1747.3	1724.5	1656.0	1519.1	1304.0	1134.4	981.2	818.2	665.0	564.0	485.7
20°	3230.5	3155.6	2973.0	2594.9	2112.4	1779.9	1398.5	1124.7	867.1	678.1	560.7
17.5°	6027.5	5978.6	5910.2	5036.5	4055.3	3351.2	2493.8	1724.5	1232.2	886.7	665.0
15°	11298.8	10936.9	10180.6	9134.2	7761.8	5998.2	4410.6	2783.9	1760.3	1180.1	844.3
12.5°	19314.8	18913.8	16961.2	14343.5	11875.8	9365.6	6575.2	4231.3	2506.8	1499.5	1000.8
10°	38486.2	35575.1	30108.3	22470.4	17538.2	13078.6	9232.0	5773.3	3263.1	1894.0	1186.6
7.5°	78827.2	69314.9	53413.2	37707.1	24406.7	17153.5	11791.0	7549.9	4348.7	2369.9	1356.1
5°	142870.9	125994.5	94921.3	57155.5	35441.4	21498.9	13991.4	8977.7	5147.4	2757.9	1525.6
2.5°	218154.6	196323.2	137231.3	78592.5	43702.0	24863.1	15530.1	9916.6	5655.9	3021.9	1656.0
0°	260500.5	232693.7	161611.9	89979.3	47636.7	26291.0	16283.1	10480.5	6086.2	3237.1	1740.8
-2.5°	240638.0	218252.4	148523.5	83583.4	45521.0	25665.1	16390.7	10620.7	6157.9	3295.7	1779.9
-5°	169601.9	151229.2	102767.8	61680.2	38623.1	23640.7	15464.9	10092.6	5959.1	3211.0	1763.6
-7.5°	89728.3	81415.6	60946.8	44321.4	28191.5	20009.2	13923.0	9157.0	5444.0	2982.8	1665.8
-10°	46358.8	44653.9	38479.7	29006.4	22812.7	16762.3	11882.3	7830.2	4550.8	2568.8	1499.5
-12.5°	26727.8	26437.6	24452.4	20990.4	17492.5	13769.7	9750.3	6386.1	3797.8	2128.7	1264.8
-15°	17306.7	17430.6	16739.5	15298.6	13306.8	10304.5	7491.2	4749.6	2810.0	1724.5	1114.9
-17.5°	11810.6	11778.0	11455.2	10467.5	8863.6	6959.8	4964.8	3354.4	2128.7	1343.1	925.8
-20°	7471.7	7484.7	7184.8	6503.5	5323.4	4290.0	3090.4	2262.4	1509.3	1056.2	818.2



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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°	4335.6	4345.4	4156.3	3771.7	3152.3	2542.7	2008.1	1496.3	1111.6	880.2	717.2
-25°	2490.6	2451.4	2376.5	2190.6	1900.5	1568.0	1333.3	1052.9	889.9	746.5	655.2
-27.5°	1509.3	1483.2	1444.1	1362.6	1248.5	1082.3	974.7	850.8	756.3	671.5	616.1
-30°	1052.9	1062.7	1030.1	987.7	935.6	860.6	801.9	743.3	681.3	629.2	577.0
-32.5°	837.8	844.3	828.0	811.7	785.6	756.3	720.4	678.1	629.2	580.3	531.4
-35°	720.4	723.7	723.7	720.4	713.9	691.1	665.0	625.9	580.3	534.6	492.2
-37.5°	661.8	665.0	665.0	661.8	652.0	632.4	606.3	573.7	531.4	489.0	456.4
-40°	599.8	603.1	599.8	593.3	583.5	564.0	544.4	518.3	485.7	449.9	420.5
-42.5°	541.1	537.9	534.6	528.1	518.3	505.3	489.0	469.4	446.6	420.5	397.7
-45°	485.7	485.7	482.5	479.2	472.7	462.9	453.1	436.8	420.5	401.0	381.4
-47.5°	456.4	456.4	453.1	449.9	446.6	440.1	430.3	417.3	404.2	387.9	371.6
-50°	436.8	436.8	436.8	433.6	430.3	423.8	414.0	404.2	391.2	374.9	358.6
-52.5°	423.8	423.8	423.8	420.5	417.3	414.0	404.2	391.2	374.9	361.8	348.8
-55°	417.3	414.0	414.0	410.7	407.5	404.2	391.2	378.1	365.1	352.1	339.0
-57.5°	407.5	404.2	404.2	401.0	397.7	394.4	381.4	368.4	355.3	339.0	329.2
-60°	397.7	394.4	394.4	387.9	384.7	381.4	368.4	355.3	342.3	329.2	316.2
-62.5°	384.7	381.4	378.1	374.9	368.4	361.8	352.1	339.0	322.7	309.7	296.6
-65°	355.3	352.1	348.8	345.5	342.3	339.0	329.2	312.9	299.9	286.9	273.8
-67.5°	319.5	319.5	319.5	312.9	309.7	303.2	296.6	283.6	270.6	257.5	247.8
-70°	277.1	277.1	277.1	270.6	267.3	264.1	254.3	244.5	234.7	224.9	211.9
-72.5°	234.7	231.5	231.5	228.2	221.7	218.4	211.9	205.4	195.6	189.1	179.3
-75°	192.3	189.1	189.1	185.8	182.6	179.3	172.8	169.5	163.0	156.5	146.7
-77.5°	153.2	153.2	153.2	150.0	146.7	143.4	140.2	136.9	133.7	127.1	120.6
-80°	117.4	117.4	117.4	117.4	117.4	117.4	117.4	114.1	107.6	104.3	101.1
-82.5°	84.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	84.8	81.5	78.2
-85°	55.4	58.7	58.7	61.9	65.2	65.2	68.5	65.2	61.9	55.4	52.2
-87.5°	29.3	29.3	29.3	29.3	29.3	29.3	29.3	26.1	26.1	26.1	22.8
-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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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°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	6.5	6.5	6.5
85°	6.5	6.5	6.5	6.5	9.8	9.8	9.8	13.0	13.0	13.0	13.0
82.5°	6.5	9.8	9.8	9.8	13.0	13.0	16.3	19.6	26.1	29.3	29.3
80°	6.5	9.8	9.8	9.8	13.0	13.0	16.3	16.3	19.6	22.8	29.3
77.5°	6.5	6.5	9.8	9.8	9.8	13.0	13.0	16.3	16.3	19.6	22.8
75°	3.3	6.5	6.5	6.5	9.8	9.8	13.0	13.0	16.3	16.3	19.6
72.5°	3.3	6.5	6.5	6.5	9.8	9.8	13.0	13.0	13.0	16.3	16.3
70°	3.3	6.5	6.5	6.5	6.5	9.8	9.8	9.8	13.0	13.0	13.0
67.5°	3.3	3.3	3.3	6.5	6.5	6.5	6.5	9.8	9.8	9.8	13.0
65°	3.3	3.3	3.3	3.3	6.5	6.5	6.5	6.5	9.8	9.8	9.8
62.5°	3.3	3.3	3.3	6.5	6.5	6.5	6.5	6.5	9.8	9.8	9.8
60°	13.0	13.0	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
57.5°	29.3	29.3	26.1	22.8	19.6	19.6	16.3	13.0	13.0	9.8	9.8
55°	48.9	45.6	42.4	35.9	32.6	29.3	26.1	19.6	16.3	13.0	9.8
52.5°	61.9	58.7	55.4	52.2	45.6	39.1	35.9	32.6	26.1	19.6	16.3
50°	91.3	81.5	75.0	68.5	61.9	55.4	48.9	45.6	35.9	29.3	22.8
47.5°	110.8	104.3	94.5	88.0	81.5	71.7	61.9	55.4	48.9	39.1	29.3
45°	127.1	120.6	110.8	104.3	97.8	88.0	78.2	68.5	61.9	52.2	39.1
42.5°	143.4	136.9	127.1	120.6	110.8	101.1	91.3	81.5	71.7	65.2	52.2
40°	166.3	156.5	143.4	136.9	130.4	117.4	104.3	94.5	84.8	75.0	61.9
37.5°	195.6	185.8	169.5	156.5	146.7	136.9	123.9	110.8	101.1	88.0	75.0
35°	241.2	224.9	202.1	182.6	169.5	156.5	140.2	127.1	114.1	101.1	88.0
32.5°	286.9	260.8	231.5	208.6	189.1	172.8	156.5	143.4	127.1	110.8	97.8
30°	322.7	293.4	264.1	231.5	208.6	189.1	172.8	156.5	140.2	123.9	107.6
27.5°	358.6	326.0	293.4	260.8	228.2	202.1	185.8	169.5	153.2	136.9	117.4
25°	394.4	358.6	326.0	290.1	251.0	221.7	198.9	185.8	169.5	150.0	127.1
22.5°	427.0	394.4	361.8	322.7	277.1	238.0	215.2	198.9	182.6	159.7	140.2
20°	489.0	446.6	407.5	358.6	306.4	267.3	238.0	215.2	195.6	172.8	150.0
17.5°	570.5	508.5	456.4	401.0	348.8	299.9	257.5	231.5	211.9	185.8	159.7
15°	674.8	567.2	502.0	446.6	384.7	329.2	283.6	247.8	221.7	195.6	172.8
12.5°	753.0	612.9	541.1	489.0	423.8	361.8	303.2	260.8	231.5	205.4	179.3
10°	841.0	661.8	573.7	515.1	446.6	378.1	316.2	270.6	238.0	215.2	189.1
7.5°	912.8	700.9	590.0	524.8	459.6	391.2	329.2	280.3	247.8	221.7	195.6
5°	978.0	733.5	603.1	528.1	466.2	401.0	335.8	286.9	254.3	228.2	202.1
2.5°	1023.6	762.8	616.1	534.6	472.7	407.5	345.5	293.4	260.8	234.7	208.6
0°	1062.7	772.6	612.9	534.6	475.9	407.5	348.8	296.6	264.1	238.0	211.9
-2.5°	1075.8	788.9	629.2	541.1	482.5	414.0	355.3	299.9	267.3	241.2	218.4
-5°	1075.8	775.9	629.2	547.7	485.7	417.3	355.3	303.2	270.6	244.5	218.4
-7.5°	1036.6	756.3	625.9	554.2	489.0	420.5	355.3	306.4	273.8	247.8	221.7
-10°	968.2	727.0	622.6	557.4	489.0	417.3	355.3	306.4	273.8	247.8	224.9
-12.5°	857.3	687.8	606.3	550.9	482.5	410.7	352.1	306.4	273.8	251.0	224.9
-15°	801.9	655.2	586.8	531.4	466.2	401.0	345.5	303.2	273.8	251.0	228.2
-17.5°	727.0	629.2	567.2	511.8	453.1	391.2	339.0	303.2	273.8	247.8	228.2
-20°	674.8	599.8	544.4	495.5	436.8	381.4	335.8	299.9	273.8	247.8	228.2



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CATALOG NUMBER: IFLD-S-SA3D-727-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°	629.2	567.2	518.3	469.4	417.3	368.4	329.2	296.6	270.6	247.8	228.2
-25°	593.3	537.9	492.2	446.6	401.0	358.6	322.7	293.4	267.3	247.8	224.9
-27.5°	560.7	508.5	466.2	423.8	381.4	348.8	316.2	290.1	267.3	244.5	221.7
-30°	524.8	482.5	440.1	401.0	371.6	339.0	309.7	283.6	264.1	241.2	218.4
-32.5°	489.0	449.9	414.0	384.7	358.6	332.5	306.4	280.3	257.5	234.7	211.9
-35°	456.4	420.5	394.4	368.4	348.8	326.0	299.9	273.8	254.3	231.5	211.9
-37.5°	423.8	397.7	374.9	355.3	335.8	316.2	290.1	267.3	247.8	224.9	202.1
-40°	397.7	378.1	361.8	345.5	326.0	303.2	283.6	260.8	241.2	218.4	192.3
-42.5°	381.4	365.1	348.8	332.5	316.2	296.6	277.1	254.3	234.7	211.9	185.8
-45°	365.1	352.1	339.0	326.0	309.7	290.1	267.3	244.5	224.9	202.1	182.6
-47.5°	355.3	342.3	329.2	319.5	306.4	280.3	260.8	238.0	215.2	195.6	172.8
-50°	345.5	332.5	322.7	309.7	293.4	270.6	251.0	228.2	208.6	185.8	166.3
-52.5°	335.8	322.7	309.7	296.6	280.3	260.8	241.2	221.7	198.9	176.0	156.5
-55°	326.0	312.9	299.9	286.9	270.6	254.3	234.7	208.6	185.8	163.0	143.4
-57.5°	316.2	306.4	290.1	273.8	257.5	241.2	218.4	195.6	172.8	150.0	133.7
-60°	303.2	290.1	277.1	257.5	241.2	221.7	202.1	182.6	159.7	140.2	123.9
-62.5°	283.6	270.6	257.5	238.0	221.7	205.4	189.1	166.3	150.0	130.4	114.1
-65°	260.8	247.8	234.7	218.4	202.1	185.8	172.8	153.2	136.9	120.6	107.6
-67.5°	234.7	221.7	211.9	195.6	182.6	166.3	153.2	136.9	120.6	107.6	94.5
-70°	202.1	192.3	182.6	169.5	156.5	143.4	130.4	117.4	104.3	94.5	81.5
-72.5°	172.8	163.0	153.2	143.4	133.7	120.6	110.8	101.1	91.3	81.5	75.0
-75°	140.2	133.7	127.1	120.6	110.8	101.1	94.5	84.8	78.2	71.7	68.5
-77.5°	117.4	110.8	104.3	97.8	91.3	84.8	78.2	71.7	68.5	65.2	61.9
-80°	94.5	91.3	88.0	81.5	78.2	71.7	68.5	61.9	61.9	61.9	61.9
-82.5°	75.0	71.7	68.5	65.2	61.9	58.7	58.7	55.4	58.7	58.7	55.4
-85°	52.2	48.9	45.6	45.6	42.4	42.4	39.1	39.1	39.1	35.9	35.9
-87.5°	22.8	22.8	22.8	22.8	19.6	19.6	19.6	19.6	19.6	16.3	16.3
-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: P724047
 CATALOG NUMBER: IFLD-S-SA3D-727-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°	6.5	6.5	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0
85°	13.0	13.0	9.8	9.8	9.8	6.5	6.5	3.3	3.3	3.3	3.3
82.5°	29.3	26.1	22.8	19.6	16.3	13.0	9.8	6.5	6.5	3.3	3.3
80°	35.9	35.9	35.9	32.6	26.1	19.6	13.0	9.8	6.5	3.3	3.3
77.5°	26.1	26.1	29.3	32.6	32.6	26.1	16.3	9.8	6.5	6.5	3.3
75°	19.6	19.6	19.6	22.8	26.1	26.1	19.6	13.0	6.5	6.5	3.3
72.5°	19.6	19.6	19.6	19.6	19.6	19.6	19.6	13.0	9.8	6.5	6.5
70°	16.3	16.3	16.3	16.3	16.3	16.3	16.3	13.0	9.8	6.5	6.5
67.5°	13.0	13.0	16.3	16.3	16.3	13.0	13.0	13.0	9.8	6.5	6.5
65°	9.8	13.0	13.0	16.3	13.0	13.0	13.0	9.8	9.8	6.5	6.5
62.5°	9.8	9.8	13.0	13.0	13.0	13.0	9.8	9.8	9.8	6.5	6.5
60°	9.8	9.8	9.8	13.0	9.8	9.8	9.8	9.8	9.8	6.5	6.5
57.5°	9.8	9.8	9.8	9.8	9.8	9.8	9.8	6.5	6.5	6.5	6.5
55°	9.8	9.8	9.8	9.8	9.8	9.8	6.5	6.5	6.5	6.5	6.5
52.5°	13.0	9.8	9.8	9.8	9.8	9.8	6.5	6.5	6.5	6.5	6.5
50°	16.3	9.8	9.8	9.8	9.8	6.5	6.5	6.5	6.5	6.5	6.5
47.5°	22.8	16.3	13.0	9.8	9.8	6.5	6.5	6.5	6.5	6.5	3.3
45°	32.6	22.8	16.3	13.0	9.8	6.5	6.5	6.5	6.5	6.5	3.3
42.5°	39.1	29.3	19.6	16.3	13.0	9.8	6.5	6.5	6.5	3.3	3.3
40°	48.9	39.1	26.1	19.6	13.0	9.8	6.5	6.5	6.5	3.3	3.3
37.5°	61.9	48.9	32.6	22.8	16.3	9.8	9.8	6.5	6.5	3.3	3.3
35°	71.7	55.4	42.4	26.1	19.6	13.0	9.8	6.5	6.5	3.3	3.3
32.5°	81.5	65.2	52.2	32.6	22.8	16.3	13.0	6.5	6.5	3.3	3.3
30°	91.3	75.0	58.7	42.4	29.3	19.6	13.0	6.5	6.5	3.3	3.3
27.5°	101.1	81.5	65.2	48.9	32.6	22.8	16.3	9.8	6.5	3.3	3.3
25°	110.8	91.3	71.7	55.4	35.9	26.1	16.3	9.8	6.5	6.5	3.3
22.5°	117.4	101.1	81.5	61.9	42.4	29.3	19.6	13.0	6.5	6.5	3.3
20°	127.1	110.8	88.0	68.5	48.9	32.6	19.6	13.0	6.5	6.5	3.3
17.5°	136.9	117.4	94.5	75.0	55.4	35.9	22.8	16.3	6.5	6.5	3.3
15°	146.7	123.9	101.1	78.2	58.7	39.1	22.8	16.3	6.5	6.5	3.3
12.5°	156.5	133.7	107.6	84.8	61.9	42.4	26.1	19.6	9.8	6.5	3.3
10°	163.0	140.2	114.1	88.0	65.2	48.9	29.3	19.6	9.8	6.5	3.3
7.5°	172.8	146.7	120.6	94.5	68.5	52.2	32.6	19.6	9.8	6.5	3.3
5°	176.0	153.2	123.9	101.1	71.7	55.4	35.9	22.8	9.8	6.5	3.3
2.5°	179.3	159.7	127.1	104.3	75.0	55.4	35.9	22.8	13.0	6.5	3.3
0°	182.6	163.0	130.4	107.6	78.2	58.7	39.1	22.8	13.0	6.5	3.3
-2.5°	185.8	166.3	136.9	110.8	81.5	61.9	42.4	22.8	13.0	6.5	3.3
-5°	189.1	166.3	143.4	114.1	84.8	61.9	42.4	26.1	16.3	6.5	3.3
-7.5°	192.3	169.5	146.7	117.4	88.0	61.9	45.6	26.1	16.3	9.8	3.3
-10°	195.6	172.8	150.0	120.6	88.0	65.2	45.6	26.1	16.3	9.8	3.3
-12.5°	198.9	176.0	150.0	120.6	91.3	65.2	45.6	29.3	16.3	9.8	3.3
-15°	202.1	176.0	150.0	120.6	91.3	68.5	48.9	29.3	16.3	9.8	6.5
-17.5°	202.1	176.0	150.0	123.9	91.3	68.5	48.9	29.3	16.3	9.8	6.5
-20°	202.1	176.0	150.0	123.9	91.3	68.5	48.9	29.3	16.3	9.8	6.5



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CATALOG NUMBER: IFLD-S-SA3D-727-U-22-VI

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
-22.5°	198.9	172.8	150.0	120.6	91.3	68.5	48.9	29.3	19.6	9.8	6.5
-25°	198.9	172.8	150.0	120.6	91.3	68.5	45.6	29.3	19.6	9.8	6.5
-27.5°	195.6	172.8	146.7	117.4	88.0	65.2	45.6	29.3	19.6	9.8	6.5
-30°	192.3	169.5	143.4	114.1	88.0	65.2	45.6	29.3	19.6	9.8	6.5
-32.5°	189.1	163.0	140.2	110.8	84.8	61.9	45.6	29.3	19.6	9.8	6.5
-35°	182.6	159.7	133.7	107.6	81.5	61.9	42.4	29.3	19.6	13.0	6.5
-37.5°	176.0	153.2	130.4	104.3	78.2	58.7	42.4	29.3	19.6	13.0	6.5
-40°	169.5	150.0	123.9	97.8	75.0	55.4	42.4	29.3	19.6	13.0	9.8
-42.5°	163.0	143.4	120.6	94.5	75.0	55.4	39.1	29.3	19.6	13.0	9.8
-45°	159.7	140.2	114.1	91.3	71.7	55.4	39.1	26.1	19.6	13.0	9.8
-47.5°	153.2	130.4	107.6	88.0	68.5	52.2	35.9	26.1	19.6	13.0	9.8
-50°	143.4	123.9	104.3	84.8	65.2	48.9	35.9	26.1	19.6	13.0	9.8
-52.5°	133.7	114.1	97.8	78.2	61.9	48.9	35.9	26.1	19.6	13.0	9.8
-55°	123.9	107.6	91.3	75.0	58.7	45.6	32.6	26.1	19.6	13.0	9.8
-57.5°	117.4	101.1	84.8	68.5	55.4	42.4	32.6	22.8	16.3	13.0	9.8
-60°	110.8	94.5	78.2	65.2	52.2	42.4	32.6	22.8	16.3	13.0	6.5
-62.5°	101.1	88.0	71.7	61.9	48.9	39.1	29.3	22.8	16.3	13.0	6.5
-65°	91.3	78.2	65.2	55.4	45.6	35.9	29.3	22.8	16.3	13.0	6.5
-67.5°	81.5	71.7	61.9	52.2	42.4	35.9	29.3	22.8	16.3	9.8	6.5
-70°	75.0	65.2	55.4	48.9	42.4	32.6	29.3	22.8	16.3	9.8	6.5
-72.5°	65.2	58.7	52.2	45.6	39.1	35.9	29.3	22.8	13.0	9.8	6.5
-75°	61.9	55.4	48.9	45.6	42.4	35.9	29.3	19.6	13.0	9.8	6.5
-77.5°	61.9	55.4	52.2	48.9	42.4	35.9	26.1	16.3	9.8	9.8	6.5
-80°	61.9	58.7	55.4	45.6	39.1	29.3	19.6	16.3	9.8	6.5	3.3
-82.5°	55.4	45.6	39.1	32.6	29.3	22.8	16.3	13.0	6.5	6.5	3.3
-85°	35.9	29.3	26.1	22.8	19.6	16.3	9.8	6.5	6.5	3.3	3.3
-87.5°	16.3	16.3	13.0	9.8	9.8	6.5	6.5	3.3	3.3	3.3	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: P724047

CATALOG NUMBER: IFLD-S-SA3D-727-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°	3.3	0.0	0.0	0.0
77.5°	3.3	0.0	0.0	0.0
75°	3.3	3.3	0.0	0.0
72.5°	3.3	3.3	0.0	0.0
70°	3.3	3.3	0.0	0.0
67.5°	3.3	3.3	0.0	0.0
65°	3.3	3.3	0.0	0.0
62.5°	3.3	3.3	0.0	0.0
60°	3.3	3.3	0.0	0.0
57.5°	3.3	3.3	3.3	0.0
55°	3.3	3.3	3.3	0.0
52.5°	3.3	3.3	3.3	0.0
50°	3.3	3.3	3.3	0.0
47.5°	3.3	3.3	3.3	0.0
45°	3.3	3.3	3.3	0.0
42.5°	3.3	3.3	3.3	0.0
40°	3.3	3.3	3.3	0.0
37.5°	3.3	3.3	3.3	0.0
35°	3.3	3.3	3.3	0.0
32.5°	3.3	3.3	3.3	0.0
30°	3.3	3.3	3.3	0.0
27.5°	3.3	3.3	3.3	0.0
25°	3.3	3.3	3.3	0.0
22.5°	3.3	3.3	3.3	0.0
20°	3.3	3.3	3.3	0.0
17.5°	3.3	3.3	3.3	0.0
15°	3.3	3.3	3.3	0.0
12.5°	3.3	3.3	3.3	0.0
10°	3.3	3.3	3.3	0.0
7.5°	3.3	3.3	3.3	0.0
5°	3.3	3.3	3.3	0.0
2.5°	3.3	3.3	3.3	0.0
0°	3.3	3.3	3.3	0.0
-2.5°	3.3	3.3	3.3	0.0
-5°	3.3	3.3	3.3	0.0
-7.5°	3.3	3.3	3.3	0.0
-10°	3.3	3.3	3.3	0.0
-12.5°	3.3	3.3	3.3	0.0
-15°	3.3	3.3	3.3	0.0
-17.5°	3.3	3.3	3.3	0.0
-20°	3.3	3.3	3.3	0.0



REPORT NUMBER: P724047

CATALOG NUMBER: IFLD-S-SA3D-727-U-22-VI

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	3.3	3.3	3.3	0.0
-25°	3.3	3.3	3.3	0.0
-27.5°	3.3	3.3	3.3	0.0
-30°	3.3	3.3	3.3	0.0
-32.5°	3.3	3.3	3.3	0.0
-35°	3.3	3.3	3.3	0.0
-37.5°	3.3	3.3	3.3	0.0
-40°	3.3	3.3	3.3	0.0
-42.5°	3.3	3.3	3.3	0.0
-45°	3.3	3.3	3.3	0.0
-47.5°	3.3	3.3	3.3	0.0
-50°	3.3	3.3	3.3	0.0
-52.5°	3.3	3.3	3.3	0.0
-55°	3.3	3.3	3.3	0.0
-57.5°	3.3	3.3	3.3	0.0
-60°	3.3	3.3	0.0	0.0
-62.5°	3.3	3.3	0.0	0.0
-65°	3.3	3.3	0.0	0.0
-67.5°	3.3	3.3	0.0	0.0
-70°	3.3	3.3	0.0	0.0
-72.5°	3.3	3.3	0.0	0.0
-75°	3.3	3.3	0.0	0.0
-77.5°	3.3	0.0	0.0	0.0
-80°	3.3	0.0	0.0	0.0
-82.5°	3.3	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)