

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: P724261

Luminaire Tested: **IFLD-M-SA4E-830-U-22-VI**

Issue Date: 01/11/2023

Test Information

Test Method: LM-79-2019
Report Number: P724261
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/11/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4E-830-U-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (64) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

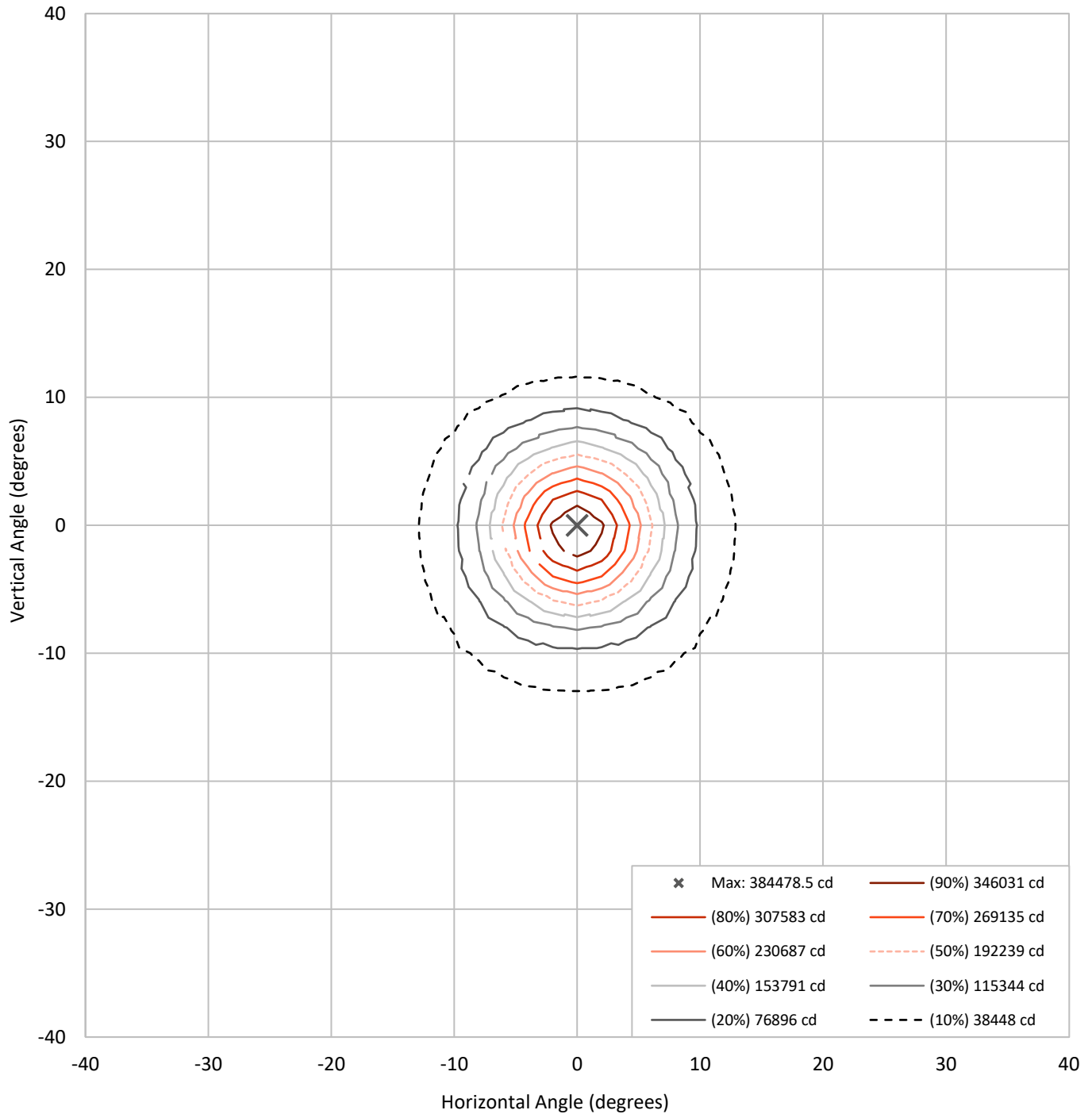
Lumens per Lamp:	N/A	NEMA Type:	2H x 2V
Luminaire Lumens:	26856 lumens	Max Intensity:	384478.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	85.3 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 0.5' x H: 0')		
Beam Angle (50%):	12.2°H x 11.7°V	Field Angle (10%):	25.1°H x 24.3°V
Beam Lumens:	8401.8 lumens	Field Lumens:	19117.1 lumens
Beam Efficiency:	31.3%	Field Efficiency:	71.2%

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





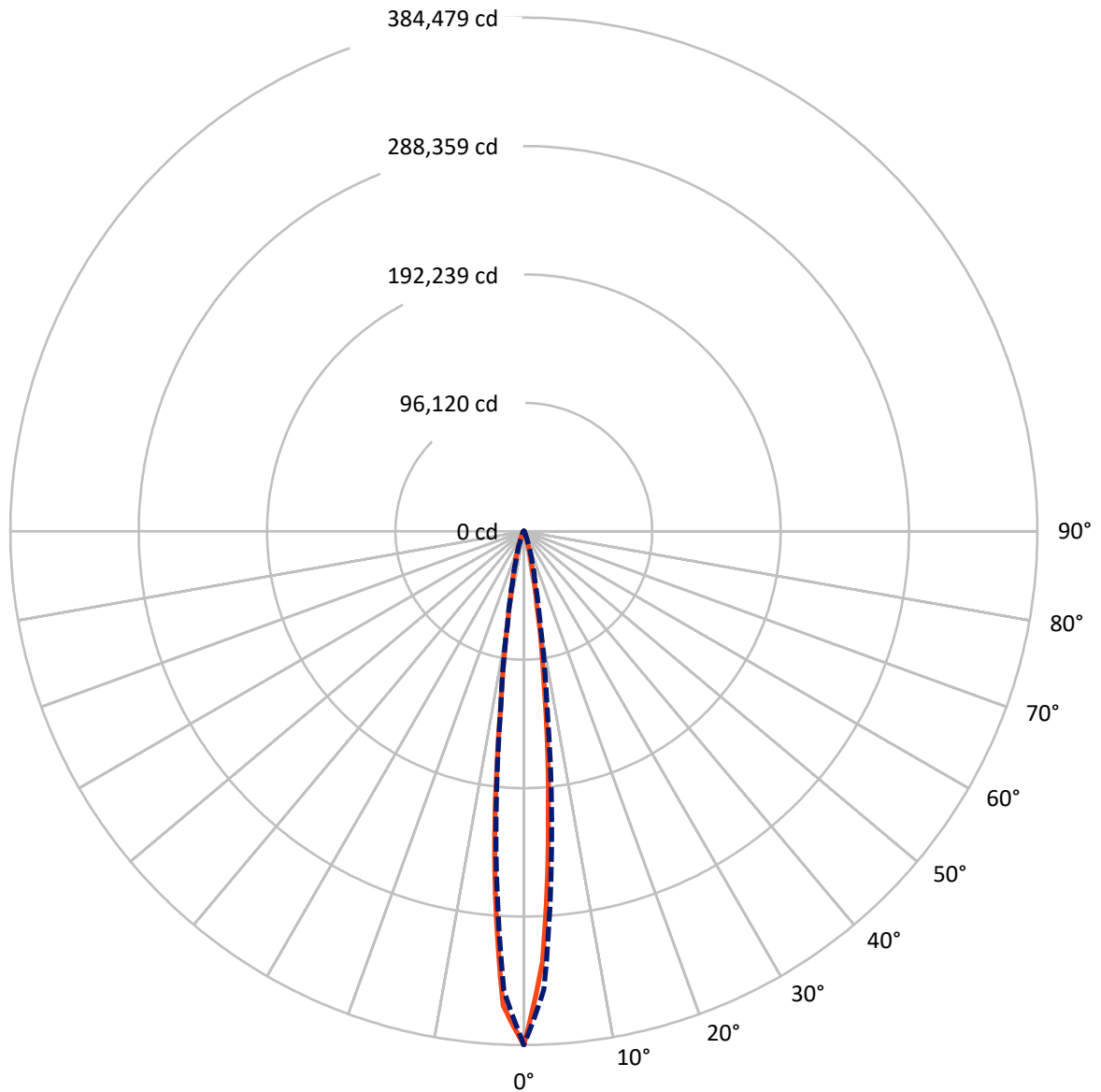
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Lumen Table

90	0.2	1.6		1.4		0.6		0.1		0.6		1.4		1.6		0.2			
80	0.2	1.6		1.4		0.6		0.1		0.6		1.4		1.6		0.2			
70	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.2			
60		0.2	0.3	0.7	1.4	2.1	2.6	3.0	3.0	2.6	2.1	1.4	0.7	0.3	0.2				
50	0.2	0.2	0.9	2.2	3.8	5.4	7.1	8.4	8.4	7.1	5.4	3.8	2.2	0.9	0.2	0.2			
40		0.4	1.9	4.1	6.9	10.8	16.3	19.5	19.5	16.3	10.8	6.9	4.1	1.9	0.4				
30	0.3	0.8	2.9	5.9	10.8	18.6	35.8	57.8	57.8	35.8	18.6	10.8	5.9	2.9	0.8	0.3			
20		1.2	3.8	8.1	16.3	40.5	211.6	535.3	535.3	211.6	40.5	16.3	8.1	3.8	1.2				
10	0.4	1.5	4.6	9.5	19.9	82.3	681.5	4199.3	4199.3	681.5	82.3	19.9	9.5	4.6	1.5	0.4			
0		1.7	5.0	10.1	20.8	93.8	749.9	4624.6	4624.6	749.9	93.8	20.8	10.1	5.0	1.7				
-10	0.6	1.9	5.2	10.0	19.5	56.2	336.6	811.1	811.1	336.6	56.2	19.5	10.0	5.2	1.9	0.6			
-20		1.8	5.2	9.5	16.5	28.6	69.6	130.7	130.7	69.6	28.6	16.5	9.5	5.2	1.8				
-30	0.6	1.7	4.8	8.8	13.7	20.3	28.7	33.7	33.7	28.7	20.3	13.7	8.8	4.8	1.7	0.6			
-40		1.4	4.1	7.8	12.0	15.8	20.0	22.2	22.2	20.0	15.8	12.0	7.8	4.1	1.4				
-50	0.5	1.2	3.3	6.6	10.5	13.8	16.9	18.5	18.5	16.9	13.8	10.5	6.6	3.3	1.2	0.5			
-60		0.9	2.4	4.9	8.0	11.0	13.9	15.4	15.4	13.9	11.0	8.0	4.9	2.4	0.9				
-70	0.3	3.6		10.1		18.6		22.4		18.6		10.1		3.6		0.3			
-80		3.6		10.1		18.6		22.4		18.6		10.1		3.6					
-90	0.3	3.6		10.1		18.6		22.4		18.6		10.1		3.6		0.3			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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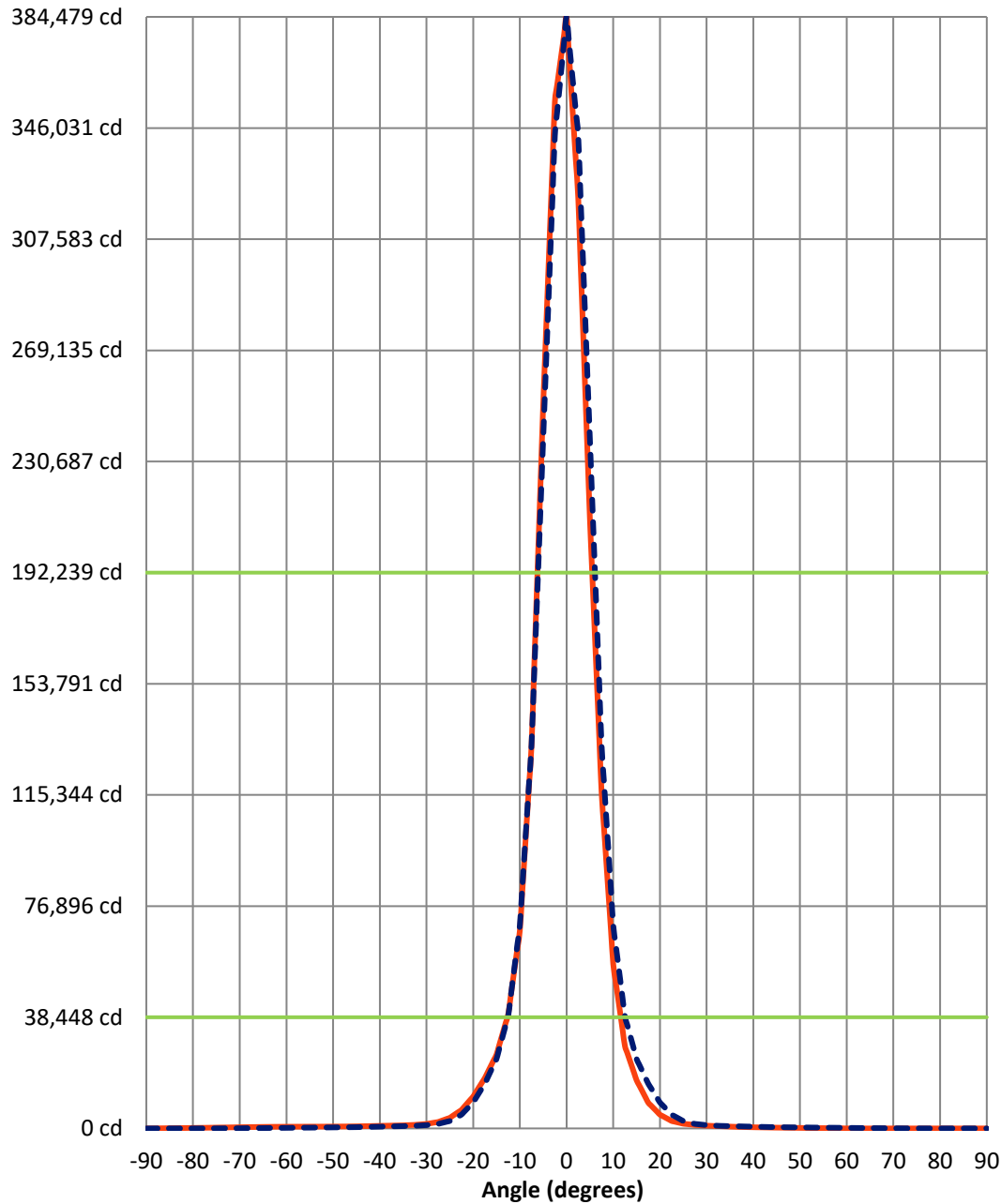
Luminous Intensity Polar Plot



— 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: 8401.8
 Efficiency: 31.3%

Field:
 H Angle: 25.1°
 V Angle: 24.3°
 Lumens: 19117.1
 Efficiency: 71.2%

Spill:
 Lumens: 7738.9
 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	4.8	4.8
85°	0.0	0.0	0.0	0.0	4.8	4.8	4.8	4.8	4.8	9.6	9.6
82.5°	0.0	0.0	0.0	0.0	4.8	4.8	4.8	4.8	9.6	9.6	9.6
80°	0.0	0.0	0.0	0.0	4.8	4.8	4.8	4.8	9.6	9.6	9.6
77.5°	0.0	0.0	0.0	0.0	4.8	4.8	4.8	4.8	4.8	4.8	9.6
75°	0.0	0.0	0.0	0.0	4.8	4.8	4.8	4.8	4.8	4.8	4.8
72.5°	0.0	0.0	0.0	0.0	4.8	4.8	4.8	4.8	4.8	4.8	4.8
70°	0.0	0.0	0.0	0.0	4.8	4.8	4.8	4.8	4.8	4.8	4.8
67.5°	0.0	0.0	0.0	0.0	4.8	4.8	4.8	4.8	4.8	4.8	4.8
65°	0.0	0.0	0.0	0.0	4.8	4.8	4.8	4.8	4.8	4.8	4.8
62.5°	0.0	0.0	0.0	0.0	4.8	4.8	4.8	4.8	4.8	4.8	4.8
60°	9.6	9.6	9.6	9.6	14.4	14.4	19.2	19.2	19.2	9.6	19.2
57.5°	77.0	77.0	72.2	67.4	62.5	57.7	57.7	57.7	57.7	57.7	48.1
55°	105.8	105.8	105.8	101.0	101.0	96.2	91.4	86.6	86.6	81.8	77.0
52.5°	125.1	125.1	125.1	125.1	120.3	120.3	120.3	115.5	105.8	105.8	101.0
50°	178.0	173.2	173.2	173.2	173.2	163.6	158.8	149.2	144.3	139.5	134.7
47.5°	230.9	230.9	226.1	226.1	221.3	211.7	202.1	192.5	182.8	178.0	168.4
45°	274.2	274.2	269.4	269.4	264.6	255.0	240.6	226.1	216.5	206.9	197.3
42.5°	336.8	332.0	327.2	322.4	312.7	298.3	279.1	259.8	245.4	230.9	221.3
40°	404.2	404.2	399.3	394.5	380.1	365.7	341.6	317.5	293.5	264.6	250.2
37.5°	485.9	490.8	495.6	495.6	485.9	466.7	433.0	404.2	365.7	327.2	307.9
35°	635.1	635.1	644.7	644.7	630.3	606.2	582.2	519.6	471.5	423.4	380.1
32.5°	798.7	803.5	784.2	769.8	750.6	721.7	678.4	625.5	572.5	510.0	461.9
30°	957.5	957.5	933.4	904.5	866.0	817.9	765.0	707.3	644.7	582.2	524.4
27.5°	1207.6	1183.6	1164.3	1116.2	1048.9	957.5	890.1	798.7	716.9	644.7	582.2
25°	1621.4	1616.6	1573.3	1491.5	1356.8	1212.5	1101.8	947.8	822.7	712.1	639.9
22.5°	2578.9	2545.2	2444.2	2242.1	1924.5	1674.3	1448.2	1207.6	981.5	832.4	716.9
20°	4768.0	4657.4	4387.9	3829.8	3117.7	2627.0	2064.1	1659.9	1279.8	1000.8	827.5
17.5°	8896.2	8824.0	8722.9	7433.5	5985.3	4946.1	3680.7	2545.2	1818.7	1308.7	981.5
15°	16676.1	16142.0	15025.8	13481.4	11455.8	8852.9	6509.7	4108.9	2598.1	1741.7	1246.1
12.5°	28507.2	27915.4	25033.4	21169.9	17527.7	13823.0	9704.5	6245.1	3699.9	2213.2	1477.1
10°	56802.6	52506.1	44437.5	33164.5	25885.0	19303.1	13625.7	8520.9	4816.1	2795.4	1751.3
7.5°	116342.9	102303.4	78833.7	55652.7	36022.5	25317.2	17402.6	11143.0	6418.3	3497.8	2001.5
5°	210866.3	185958.0	140096.4	84357.1	52308.8	31730.7	20650.2	13250.4	7597.1	4070.4	2251.7
2.5°	321979.2	289757.7	202542.7	115996.4	64500.7	36696.0	22921.2	14636.1	8347.7	4460.1	2444.2
0°	384478.5	343437.8	238526.7	132802.4	70308.0	38803.4	24032.6	15468.4	8982.8	4777.7	2569.3
-2.5°	355163.0	322123.6	219209.2	123362.6	67185.5	37879.6	24191.4	15675.3	9088.6	4864.3	2627.0
-5°	250319.2	223202.6	151677.3	91035.2	57004.7	34891.8	22825.0	14895.9	8795.1	4739.2	2602.9
-7.5°	132432.0	120163.1	89952.7	65414.9	41608.4	29532.0	20549.2	13515.0	8034.9	4402.4	2458.6
-10°	68422.0	65905.6	56793.0	42811.2	33669.7	24739.9	17537.3	11556.8	6716.6	3791.3	2213.2
-12.5°	39448.1	39019.9	36089.8	30980.2	25817.6	20323.1	14390.7	9425.4	5605.2	3141.8	1866.8
-15°	25543.4	25726.2	24706.2	22579.6	19639.9	15208.6	11056.4	7010.1	4147.4	2545.2	1645.5
-17.5°	17431.5	17383.3	16907.0	15449.2	13082.0	10272.2	7327.7	4950.9	3141.8	1982.3	1366.4
-20°	11027.6	11046.8	10604.2	9598.6	7856.9	6331.7	4561.1	3339.1	2227.6	1558.9	1207.6



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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°	6399.1	6413.5	6134.5	5566.7	4652.6	3752.8	2963.8	2208.4	1640.7	1299.1	1058.5
-25°	3675.9	3618.1	3507.5	3233.2	2805.0	2314.3	1967.8	1554.1	1313.5	1101.8	967.1
-27.5°	2227.6	2189.2	2131.4	2011.1	1842.7	1597.4	1438.6	1255.8	1116.2	991.1	909.3
-30°	1554.1	1568.5	1520.4	1457.8	1380.9	1270.2	1183.6	1097.0	1005.6	928.6	851.6
-32.5°	1236.5	1246.1	1222.1	1198.0	1159.5	1116.2	1063.3	1000.8	928.6	856.4	784.2
-35°	1063.3	1068.1	1068.1	1063.3	1053.7	1020.0	981.5	923.8	856.4	789.1	726.5
-37.5°	976.7	981.5	981.5	976.7	962.3	933.4	894.9	846.8	784.2	721.7	673.6
-40°	885.3	890.1	885.3	875.7	861.2	832.4	803.5	765.0	716.9	664.0	620.7
-42.5°	798.7	793.9	789.1	779.4	765.0	745.8	721.7	692.8	659.2	620.7	587.0
-45°	716.9	716.9	712.1	707.3	697.6	683.2	668.8	644.7	620.7	591.8	562.9
-47.5°	673.6	673.6	668.8	664.0	659.2	649.5	635.1	615.9	596.6	572.5	548.5
-50°	644.7	644.7	644.7	639.9	635.1	625.5	611.0	596.6	577.4	553.3	529.2
-52.5°	625.5	625.5	625.5	620.7	615.9	611.0	596.6	577.4	553.3	534.1	514.8
-55°	615.9	611.0	611.0	606.2	601.4	596.6	577.4	558.1	538.9	519.6	500.4
-57.5°	601.4	596.6	596.6	591.8	587.0	582.2	562.9	543.7	524.4	500.4	485.9
-60°	587.0	582.2	582.2	572.5	567.7	562.9	543.7	524.4	505.2	485.9	466.7
-62.5°	567.7	562.9	558.1	553.3	543.7	534.1	519.6	500.4	476.3	457.1	437.8
-65°	524.4	519.6	514.8	510.0	505.2	500.4	485.9	461.9	442.6	423.4	404.2
-67.5°	471.5	471.5	471.5	461.9	457.1	447.5	437.8	418.6	399.3	380.1	365.7
-70°	409.0	409.0	409.0	399.3	394.5	389.7	375.3	360.9	346.4	332.0	312.7
-72.5°	346.4	341.6	341.6	336.8	327.2	322.4	312.7	303.1	288.7	279.1	264.6
-75°	283.9	279.1	279.1	274.2	269.4	264.6	255.0	250.2	240.6	230.9	216.5
-77.5°	226.1	226.1	226.1	221.3	216.5	211.7	206.9	202.1	197.3	187.6	178.0
-80°	173.2	173.2	173.2	173.2	173.2	173.2	173.2	168.4	158.8	154.0	149.2
-82.5°	125.1	129.9	129.9	129.9	129.9	129.9	129.9	129.9	125.1	120.3	115.5
-85°	81.8	86.6	86.6	91.4	96.2	96.2	101.0	96.2	91.4	81.8	77.0
-87.5°	43.3	43.3	43.3	43.3	43.3	43.3	43.3	38.5	38.5	38.5	33.7
-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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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°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	9.6	9.6	9.6
85°	9.6	9.6	9.6	9.6	14.4	14.4	14.4	19.2	19.2	19.2	19.2
82.5°	9.6	14.4	14.4	14.4	19.2	19.2	24.1	28.9	38.5	43.3	43.3
80°	9.6	14.4	14.4	14.4	19.2	19.2	24.1	24.1	28.9	33.7	43.3
77.5°	9.6	9.6	14.4	14.4	14.4	19.2	19.2	24.1	24.1	28.9	33.7
75°	4.8	9.6	9.6	9.6	14.4	14.4	19.2	19.2	24.1	24.1	28.9
72.5°	4.8	9.6	9.6	9.6	14.4	14.4	19.2	19.2	19.2	24.1	24.1
70°	4.8	9.6	9.6	9.6	9.6	14.4	14.4	14.4	19.2	19.2	19.2
67.5°	4.8	4.8	4.8	9.6	9.6	9.6	9.6	14.4	14.4	14.4	19.2
65°	4.8	4.8	4.8	4.8	9.6	9.6	9.6	9.6	14.4	14.4	14.4
62.5°	4.8	4.8	4.8	9.6	9.6	9.6	9.6	9.6	14.4	14.4	14.4
60°	19.2	19.2	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4
57.5°	43.3	43.3	38.5	33.7	28.9	28.9	24.1	19.2	19.2	14.4	14.4
55°	72.2	67.4	62.5	52.9	48.1	43.3	38.5	28.9	24.1	19.2	14.4
52.5°	91.4	86.6	81.8	77.0	67.4	57.7	52.9	48.1	38.5	28.9	24.1
50°	134.7	120.3	110.7	101.0	91.4	81.8	72.2	67.4	52.9	43.3	33.7
47.5°	163.6	154.0	139.5	129.9	120.3	105.8	91.4	81.8	72.2	57.7	43.3
45°	187.6	178.0	163.6	154.0	144.3	129.9	115.5	101.0	91.4	77.0	57.7
42.5°	211.7	202.1	187.6	178.0	163.6	149.2	134.7	120.3	105.8	96.2	77.0
40°	245.4	230.9	211.7	202.1	192.5	173.2	154.0	139.5	125.1	110.7	91.4
37.5°	288.7	274.2	250.2	230.9	216.5	202.1	182.8	163.6	149.2	129.9	110.7
35°	356.0	332.0	298.3	269.4	250.2	230.9	206.9	187.6	168.4	149.2	129.9
32.5°	423.4	384.9	341.6	307.9	279.1	255.0	230.9	211.7	187.6	163.6	144.3
30°	476.3	433.0	389.7	341.6	307.9	279.1	255.0	230.9	206.9	182.8	158.8
27.5°	529.2	481.1	433.0	384.9	336.8	298.3	274.2	250.2	226.1	202.1	173.2
25°	582.2	529.2	481.1	428.2	370.5	327.2	293.5	274.2	250.2	221.3	187.6
22.5°	630.3	582.2	534.1	476.3	409.0	351.2	317.5	293.5	269.4	235.8	206.9
20°	721.7	659.2	601.4	529.2	452.3	394.5	351.2	317.5	288.7	255.0	221.3
17.5°	842.0	750.6	673.6	591.8	514.8	442.6	380.1	341.6	312.7	274.2	235.8
15°	995.9	837.2	740.9	659.2	567.7	485.9	418.6	365.7	327.2	288.7	255.0
12.5°	1111.4	904.5	798.7	721.7	625.5	534.1	447.5	384.9	341.6	303.1	264.6
10°	1241.3	976.7	846.8	760.2	659.2	558.1	466.7	399.3	351.2	317.5	279.1
7.5°	1347.2	1034.4	870.9	774.6	678.4	577.4	485.9	413.8	365.7	327.2	288.7
5°	1443.4	1082.6	890.1	779.4	688.0	591.8	495.6	423.4	375.3	336.8	298.3
2.5°	1510.8	1125.9	909.3	789.1	697.6	601.4	510.0	433.0	384.9	346.4	307.9
0°	1568.5	1140.3	904.5	789.1	702.5	601.4	514.8	437.8	389.7	351.2	312.7
-2.5°	1587.7	1164.3	928.6	798.7	712.1	611.0	524.4	442.6	394.5	356.0	322.4
-5°	1587.7	1145.1	928.6	808.3	716.9	615.9	524.4	447.5	399.3	360.9	322.4
-7.5°	1530.0	1116.2	923.8	817.9	721.7	620.7	524.4	452.3	404.2	365.7	327.2
-10°	1429.0	1072.9	919.0	822.7	721.7	615.9	524.4	452.3	404.2	365.7	332.0
-12.5°	1265.4	1015.2	894.9	813.1	712.1	606.2	519.6	452.3	404.2	370.5	332.0
-15°	1183.6	967.1	866.0	784.2	688.0	591.8	510.0	447.5	404.2	370.5	336.8
-17.5°	1072.9	928.6	837.2	755.4	668.8	577.4	500.4	447.5	404.2	365.7	336.8
-20°	995.9	885.3	803.5	731.3	644.7	562.9	495.6	442.6	404.2	365.7	336.8



REPORT NUMBER: P724261

CATALOG NUMBER: IFLD-M-SA4E-830-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°	928.6	837.2	765.0	692.8	615.9	543.7	485.9	437.8	399.3	365.7	336.8
-25°	875.7	793.9	726.5	659.2	591.8	529.2	476.3	433.0	394.5	365.7	332.0
-27.5°	827.5	750.6	688.0	625.5	562.9	514.8	466.7	428.2	394.5	360.9	327.2
-30°	774.6	712.1	649.5	591.8	548.5	500.4	457.1	418.6	389.7	356.0	322.4
-32.5°	721.7	664.0	611.0	567.7	529.2	490.8	452.3	413.8	380.1	346.4	312.7
-35°	673.6	620.7	582.2	543.7	514.8	481.1	442.6	404.2	375.3	341.6	312.7
-37.5°	625.5	587.0	553.3	524.4	495.6	466.7	428.2	394.5	365.7	332.0	298.3
-40°	587.0	558.1	534.1	510.0	481.1	447.5	418.6	384.9	356.0	322.4	283.9
-42.5°	562.9	538.9	514.8	490.8	466.7	437.8	409.0	375.3	346.4	312.7	274.2
-45°	538.9	519.6	500.4	481.1	457.1	428.2	394.5	360.9	332.0	298.3	269.4
-47.5°	524.4	505.2	485.9	471.5	452.3	413.8	384.9	351.2	317.5	288.7	255.0
-50°	510.0	490.8	476.3	457.1	433.0	399.3	370.5	336.8	307.9	274.2	245.4
-52.5°	495.6	476.3	457.1	437.8	413.8	384.9	356.0	327.2	293.5	259.8	230.9
-55°	481.1	461.9	442.6	423.4	399.3	375.3	346.4	307.9	274.2	240.6	211.7
-57.5°	466.7	452.3	428.2	404.2	380.1	356.0	322.4	288.7	255.0	221.3	197.3
-60°	447.5	428.2	409.0	380.1	356.0	327.2	298.3	269.4	235.8	206.9	182.8
-62.5°	418.6	399.3	380.1	351.2	327.2	303.1	279.1	245.4	221.3	192.5	168.4
-65°	384.9	365.7	346.4	322.4	298.3	274.2	255.0	226.1	202.1	178.0	158.8
-67.5°	346.4	327.2	312.7	288.7	269.4	245.4	226.1	202.1	178.0	158.8	139.5
-70°	298.3	283.9	269.4	250.2	230.9	211.7	192.5	173.2	154.0	139.5	120.3
-72.5°	255.0	240.6	226.1	211.7	197.3	178.0	163.6	149.2	134.7	120.3	110.7
-75°	206.9	197.3	187.6	178.0	163.6	149.2	139.5	125.1	115.5	105.8	101.0
-77.5°	173.2	163.6	154.0	144.3	134.7	125.1	115.5	105.8	101.0	96.2	91.4
-80°	139.5	134.7	129.9	120.3	115.5	105.8	101.0	91.4	91.4	91.4	91.4
-82.5°	110.7	105.8	101.0	96.2	91.4	86.6	86.6	81.8	86.6	86.6	81.8
-85°	77.0	72.2	67.4	67.4	62.5	62.5	57.7	57.7	57.7	52.9	52.9
-87.5°	33.7	33.7	33.7	33.7	28.9	28.9	28.9	28.9	28.9	24.1	24.1
-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: P724261
 CATALOG NUMBER: IFLD-M-SA4E-830-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°	9.6	9.6	4.8	4.8	4.8	4.8	4.8	4.8	4.8	0.0	0.0
85°	19.2	19.2	14.4	14.4	14.4	9.6	9.6	4.8	4.8	4.8	4.8
82.5°	43.3	38.5	33.7	28.9	24.1	19.2	14.4	9.6	9.6	4.8	4.8
80°	52.9	52.9	52.9	48.1	38.5	28.9	19.2	14.4	9.6	4.8	4.8
77.5°	38.5	38.5	43.3	48.1	48.1	38.5	24.1	14.4	9.6	9.6	4.8
75°	28.9	28.9	28.9	33.7	38.5	38.5	28.9	19.2	9.6	9.6	4.8
72.5°	28.9	28.9	28.9	28.9	28.9	28.9	28.9	19.2	14.4	9.6	9.6
70°	24.1	24.1	24.1	24.1	24.1	24.1	24.1	19.2	14.4	9.6	9.6
67.5°	19.2	19.2	24.1	24.1	24.1	19.2	19.2	19.2	14.4	9.6	9.6
65°	14.4	19.2	19.2	24.1	19.2	19.2	19.2	14.4	14.4	9.6	9.6
62.5°	14.4	14.4	19.2	19.2	19.2	19.2	14.4	14.4	14.4	9.6	9.6
60°	14.4	14.4	14.4	19.2	14.4	14.4	14.4	14.4	14.4	9.6	9.6
57.5°	14.4	14.4	14.4	14.4	14.4	14.4	14.4	9.6	9.6	9.6	9.6
55°	14.4	14.4	14.4	14.4	14.4	14.4	9.6	9.6	9.6	9.6	9.6
52.5°	19.2	14.4	14.4	14.4	14.4	14.4	9.6	9.6	9.6	9.6	9.6
50°	24.1	14.4	14.4	14.4	14.4	9.6	9.6	9.6	9.6	9.6	9.6
47.5°	33.7	24.1	19.2	14.4	14.4	9.6	9.6	9.6	9.6	9.6	4.8
45°	48.1	33.7	24.1	19.2	14.4	9.6	9.6	9.6	9.6	9.6	4.8
42.5°	57.7	43.3	28.9	24.1	19.2	14.4	9.6	9.6	9.6	4.8	4.8
40°	72.2	57.7	38.5	28.9	19.2	14.4	9.6	9.6	9.6	4.8	4.8
37.5°	91.4	72.2	48.1	33.7	24.1	14.4	14.4	9.6	9.6	4.8	4.8
35°	105.8	81.8	62.5	38.5	28.9	19.2	14.4	9.6	9.6	4.8	4.8
32.5°	120.3	96.2	77.0	48.1	33.7	24.1	19.2	9.6	9.6	4.8	4.8
30°	134.7	110.7	86.6	62.5	43.3	28.9	19.2	9.6	9.6	4.8	4.8
27.5°	149.2	120.3	96.2	72.2	48.1	33.7	24.1	14.4	9.6	4.8	4.8
25°	163.6	134.7	105.8	81.8	52.9	38.5	24.1	14.4	9.6	9.6	4.8
22.5°	173.2	149.2	120.3	91.4	62.5	43.3	28.9	19.2	9.6	9.6	4.8
20°	187.6	163.6	129.9	101.0	72.2	48.1	28.9	19.2	9.6	9.6	4.8
17.5°	202.1	173.2	139.5	110.7	81.8	52.9	33.7	24.1	9.6	9.6	4.8
15°	216.5	182.8	149.2	115.5	86.6	57.7	33.7	24.1	9.6	9.6	4.8
12.5°	230.9	197.3	158.8	125.1	91.4	62.5	38.5	28.9	14.4	9.6	4.8
10°	240.6	206.9	168.4	129.9	96.2	72.2	43.3	28.9	14.4	9.6	4.8
7.5°	255.0	216.5	178.0	139.5	101.0	77.0	48.1	28.9	14.4	9.6	4.8
5°	259.8	226.1	182.8	149.2	105.8	81.8	52.9	33.7	14.4	9.6	4.8
2.5°	264.6	235.8	187.6	154.0	110.7	81.8	52.9	33.7	19.2	9.6	4.8
0°	269.4	240.6	192.5	158.8	115.5	86.6	57.7	33.7	19.2	9.6	4.8
-2.5°	274.2	245.4	202.1	163.6	120.3	91.4	62.5	33.7	19.2	9.6	4.8
-5°	279.1	245.4	211.7	168.4	125.1	91.4	62.5	38.5	24.1	9.6	4.8
-7.5°	283.9	250.2	216.5	173.2	129.9	91.4	67.4	38.5	24.1	14.4	4.8
-10°	288.7	255.0	221.3	178.0	129.9	96.2	67.4	38.5	24.1	14.4	4.8
-12.5°	293.5	259.8	221.3	178.0	134.7	96.2	67.4	43.3	24.1	14.4	4.8
-15°	298.3	259.8	221.3	178.0	134.7	101.0	72.2	43.3	24.1	14.4	9.6
-17.5°	298.3	259.8	221.3	182.8	134.7	101.0	72.2	43.3	24.1	14.4	9.6
-20°	298.3	259.8	221.3	182.8	134.7	101.0	72.2	43.3	24.1	14.4	9.6



REPORT NUMBER: P724261
 CATALOG NUMBER: IFLD-M-SA4E-830-U-22-VI

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
-22.5°	293.5	255.0	221.3	178.0	134.7	101.0	72.2	43.3	28.9	14.4	9.6
-25°	293.5	255.0	221.3	178.0	134.7	101.0	67.4	43.3	28.9	14.4	9.6
-27.5°	288.7	255.0	216.5	173.2	129.9	96.2	67.4	43.3	28.9	14.4	9.6
-30°	283.9	250.2	211.7	168.4	129.9	96.2	67.4	43.3	28.9	14.4	9.6
-32.5°	279.1	240.6	206.9	163.6	125.1	91.4	67.4	43.3	28.9	14.4	9.6
-35°	269.4	235.8	197.3	158.8	120.3	91.4	62.5	43.3	28.9	19.2	9.6
-37.5°	259.8	226.1	192.5	154.0	115.5	86.6	62.5	43.3	28.9	19.2	9.6
-40°	250.2	221.3	182.8	144.3	110.7	81.8	62.5	43.3	28.9	19.2	14.4
-42.5°	240.6	211.7	178.0	139.5	110.7	81.8	57.7	43.3	28.9	19.2	14.4
-45°	235.8	206.9	168.4	134.7	105.8	81.8	57.7	38.5	28.9	19.2	14.4
-47.5°	226.1	192.5	158.8	129.9	101.0	77.0	52.9	38.5	28.9	19.2	14.4
-50°	211.7	182.8	154.0	125.1	96.2	72.2	52.9	38.5	28.9	19.2	14.4
-52.5°	197.3	168.4	144.3	115.5	91.4	72.2	52.9	38.5	28.9	19.2	14.4
-55°	182.8	158.8	134.7	110.7	86.6	67.4	48.1	38.5	28.9	19.2	14.4
-57.5°	173.2	149.2	125.1	101.0	81.8	62.5	48.1	33.7	24.1	19.2	14.4
-60°	163.6	139.5	115.5	96.2	77.0	62.5	48.1	33.7	24.1	19.2	9.6
-62.5°	149.2	129.9	105.8	91.4	72.2	57.7	43.3	33.7	24.1	19.2	9.6
-65°	134.7	115.5	96.2	81.8	67.4	52.9	43.3	33.7	24.1	19.2	9.6
-67.5°	120.3	105.8	91.4	77.0	62.5	52.9	43.3	33.7	24.1	14.4	9.6
-70°	110.7	96.2	81.8	72.2	62.5	48.1	43.3	33.7	24.1	14.4	9.6
-72.5°	96.2	86.6	77.0	67.4	57.7	52.9	43.3	33.7	19.2	14.4	9.6
-75°	91.4	81.8	72.2	67.4	62.5	52.9	43.3	28.9	19.2	14.4	9.6
-77.5°	91.4	81.8	77.0	72.2	62.5	52.9	38.5	24.1	14.4	14.4	9.6
-80°	91.4	86.6	81.8	67.4	57.7	43.3	28.9	24.1	14.4	9.6	4.8
-82.5°	81.8	67.4	57.7	48.1	43.3	33.7	24.1	19.2	9.6	9.6	4.8
-85°	52.9	43.3	38.5	33.7	28.9	24.1	14.4	9.6	9.6	4.8	4.8
-87.5°	24.1	24.1	19.2	14.4	14.4	9.6	9.6	4.8	4.8	4.8	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: P724261
 CATALOG NUMBER: IFLD-M-SA4E-830-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°	4.8	0.0	0.0	0.0
77.5°	4.8	0.0	0.0	0.0
75°	4.8	4.8	0.0	0.0
72.5°	4.8	4.8	0.0	0.0
70°	4.8	4.8	0.0	0.0
67.5°	4.8	4.8	0.0	0.0
65°	4.8	4.8	0.0	0.0
62.5°	4.8	4.8	0.0	0.0
60°	4.8	4.8	0.0	0.0
57.5°	4.8	4.8	4.8	0.0
55°	4.8	4.8	4.8	0.0
52.5°	4.8	4.8	4.8	0.0
50°	4.8	4.8	4.8	0.0
47.5°	4.8	4.8	4.8	0.0
45°	4.8	4.8	4.8	0.0
42.5°	4.8	4.8	4.8	0.0
40°	4.8	4.8	4.8	0.0
37.5°	4.8	4.8	4.8	0.0
35°	4.8	4.8	4.8	0.0
32.5°	4.8	4.8	4.8	0.0
30°	4.8	4.8	4.8	0.0
27.5°	4.8	4.8	4.8	0.0
25°	4.8	4.8	4.8	0.0
22.5°	4.8	4.8	4.8	0.0
20°	4.8	4.8	4.8	0.0
17.5°	4.8	4.8	4.8	0.0
15°	4.8	4.8	4.8	0.0
12.5°	4.8	4.8	4.8	0.0
10°	4.8	4.8	4.8	0.0
7.5°	4.8	4.8	4.8	0.0
5°	4.8	4.8	4.8	0.0
2.5°	4.8	4.8	4.8	0.0
0°	4.8	4.8	4.8	0.0
-2.5°	4.8	4.8	4.8	0.0
-5°	4.8	4.8	4.8	0.0
-7.5°	4.8	4.8	4.8	0.0
-10°	4.8	4.8	4.8	0.0
-12.5°	4.8	4.8	4.8	0.0
-15°	4.8	4.8	4.8	0.0
-17.5°	4.8	4.8	4.8	0.0
-20°	4.8	4.8	4.8	0.0



REPORT NUMBER: P724261
CATALOG NUMBER: IFLD-M-SA4E-830-U-22-VI

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	4.8	4.8	4.8	0.0
-25°	4.8	4.8	4.8	0.0
-27.5°	4.8	4.8	4.8	0.0
-30°	4.8	4.8	4.8	0.0
-32.5°	4.8	4.8	4.8	0.0
-35°	4.8	4.8	4.8	0.0
-37.5°	4.8	4.8	4.8	0.0
-40°	4.8	4.8	4.8	0.0
-42.5°	4.8	4.8	4.8	0.0
-45°	4.8	4.8	4.8	0.0
-47.5°	4.8	4.8	4.8	0.0
-50°	4.8	4.8	4.8	0.0
-52.5°	4.8	4.8	4.8	0.0
-55°	4.8	4.8	4.8	0.0
-57.5°	4.8	4.8	4.8	0.0
-60°	4.8	4.8	0.0	0.0
-62.5°	4.8	4.8	0.0	0.0
-65°	4.8	4.8	0.0	0.0
-67.5°	4.8	4.8	0.0	0.0
-70°	4.8	4.8	0.0	0.0
-72.5°	4.8	4.8	0.0	0.0
-75°	4.8	4.8	0.0	0.0
-77.5°	4.8	0.0	0.0	0.0
-80°	4.8	0.0	0.0	0.0
-82.5°	4.8	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)