

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: P724259

Luminaire Tested: **IFLD-M-SA4C-830-U-22-VI**

Issue Date: 01/11/2023

Test Information

Test Method: LM-79-2019
Report Number: P724259
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/11/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4C-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

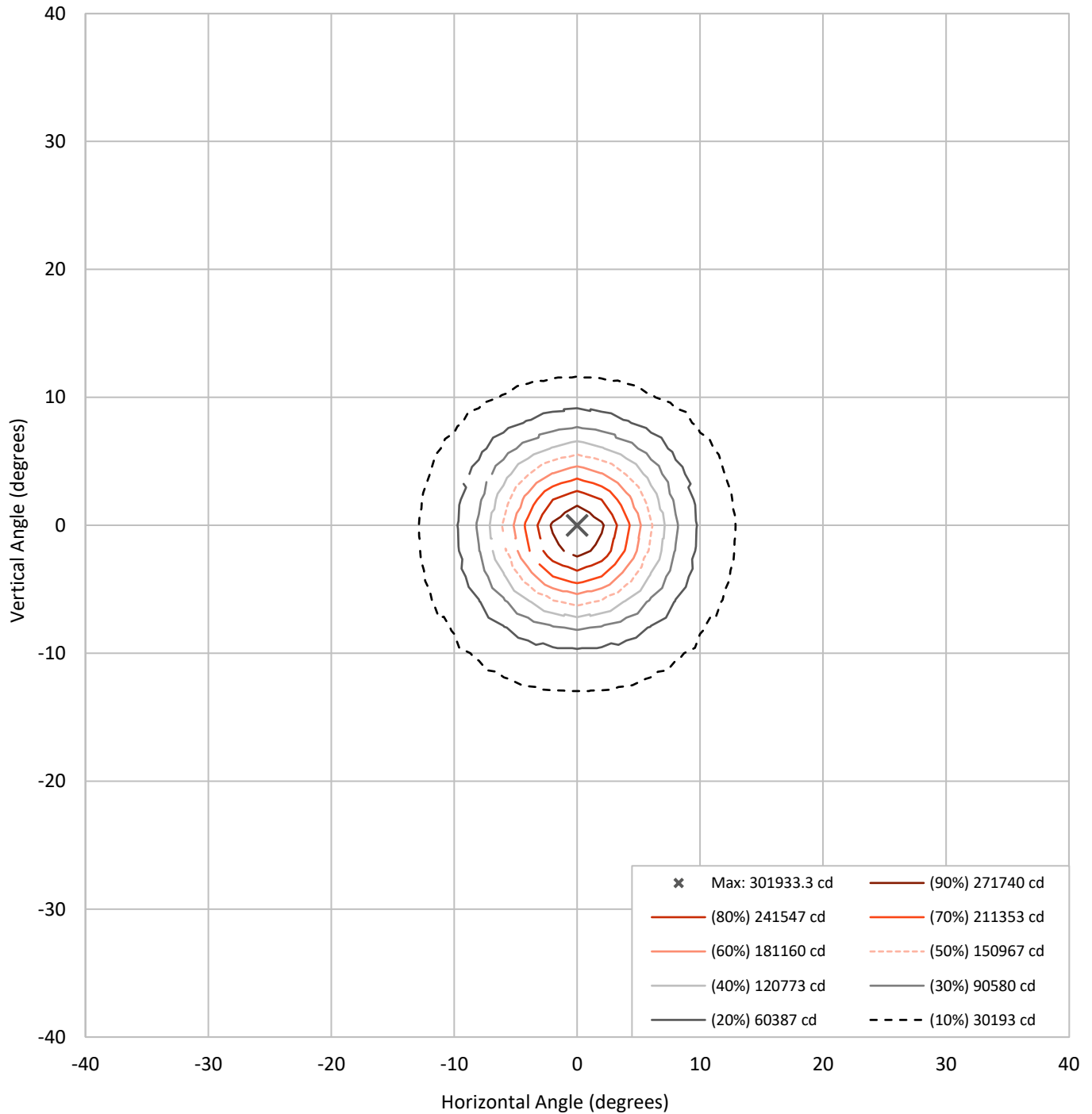
Lumens per Lamp:	N/A	NEMA Type:	2H x 2V
Luminaire Lumens:	21090.2 lumens	Max Intensity:	301933.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	96.7 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 0.5' x H: 0')		
Beam Angle (50%):	12.2°H x 11.7°V	Field Angle (10%):	25.1°H x 24.3°V
Beam Lumens:	6598 lumens	Field Lumens:	15012.8 lumens
Beam Efficiency:	31.3%	Field Efficiency:	71.2%

Input Watts (W): 218.1
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





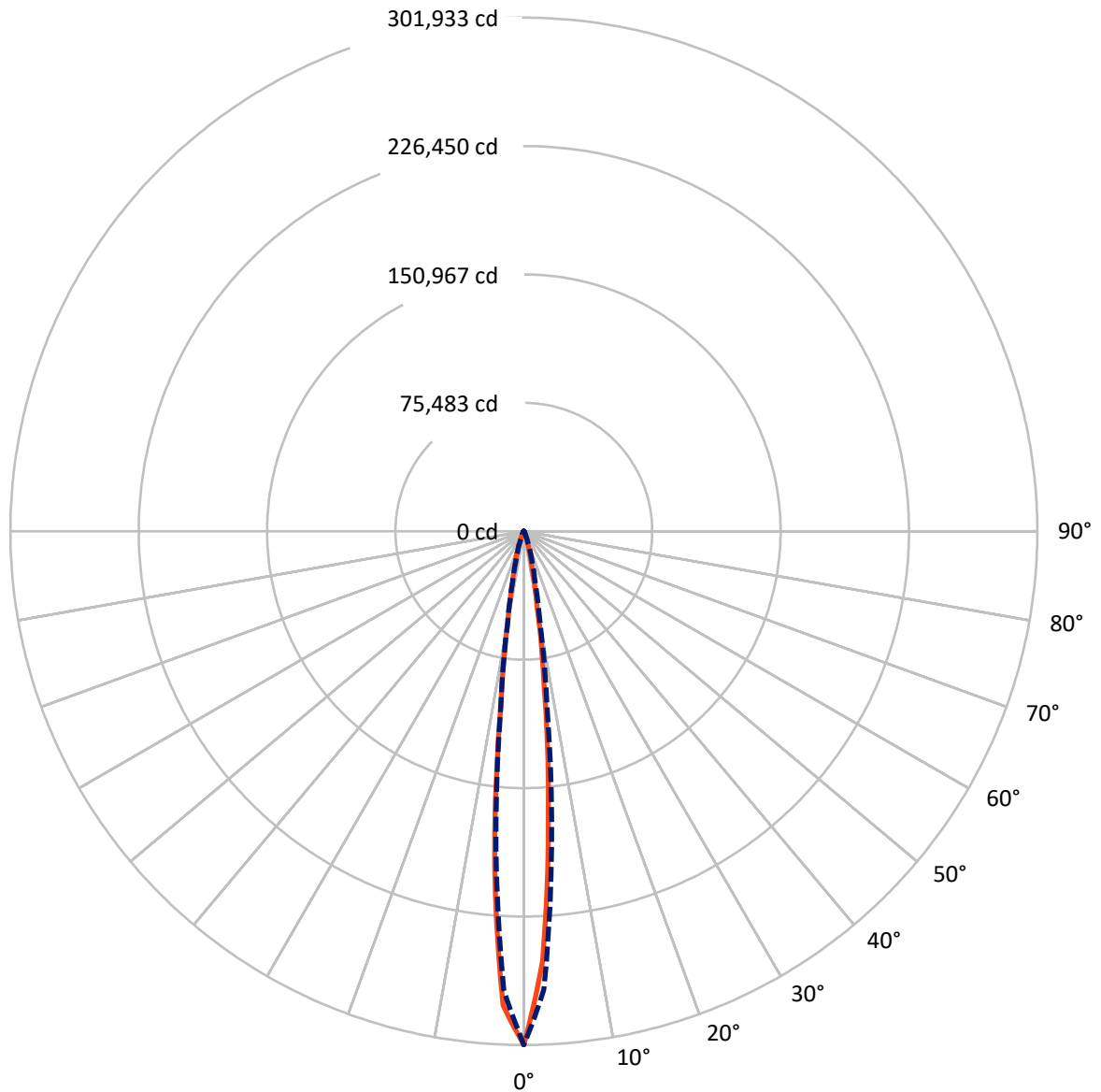
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Lumen Table

90	0.1	1.3		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	1.6	2.0	2.3	2.3	2.0	1.6	1.1	0.6	0.2	0.1	
50	0.1	0.2	0.7	1.7	3.0	4.3	5.6	6.6	6.6	5.6	4.3	3.0	1.7	0.7	0.2	0.1
40		0.3	1.5	3.2	5.4	8.5	12.8	15.3	15.3	12.8	8.5	5.4	3.2	1.5	0.3	
30	0.2	0.6	2.3	4.6	8.5	14.6	28.1	45.4	45.4	28.1	14.6	8.5	4.6	2.3	0.6	0.2
20		0.9	3.0	6.3	12.8	31.8	166.2	420.4	420.4	166.2	31.8	12.8	6.3	3.0	0.9	
10	0.3	1.2	3.6	7.5	15.7	64.6	535.2	3297.7	3297.7	535.2	64.6	15.7	7.5	3.6	1.2	0.3
0		1.4	3.9	7.9	16.3	73.6	588.9	3631.7	3631.7	588.9	73.6	16.3	7.9	3.9	1.4	
-10	0.4	1.5	4.1	7.8	15.3	44.1	264.3	636.9	636.9	264.3	44.1	15.3	7.8	4.1	1.5	0.4
-20		1.4	4.0	7.4	13.0	22.5	54.6	102.6	102.6	54.6	22.5	13.0	7.4	4.0	1.4	
-30	0.4	1.3	3.7	6.9	10.8	15.9	22.5	26.5	26.5	22.5	15.9	10.8	6.9	3.7	1.3	0.4
-40		1.1	3.2	6.2	9.4	12.4	15.7	17.4	17.4	15.7	12.4	9.4	6.2	3.2	1.1	
-50	0.4	0.9	2.6	5.2	8.2	10.8	13.3	14.5	14.5	13.3	10.8	8.2	5.2	2.6	0.9	0.4
-60		0.7	1.9	3.8	6.3	8.7	10.9	12.1	12.1	10.9	8.7	6.3	3.8	1.9	0.7	
-70	0.4	0.9	2.6	5.2	8.2	10.8	13.3	14.5	14.5	13.3	10.8	8.2	5.2	2.6	0.9	0.4
-80		0.7	1.9	3.8	6.3	8.7	10.9	12.1	12.1	10.9	8.7	6.3	3.8	1.9	0.7	
-90	0.2	2.9		7.9		14.6		17.6		14.6		7.9		2.9		0.2

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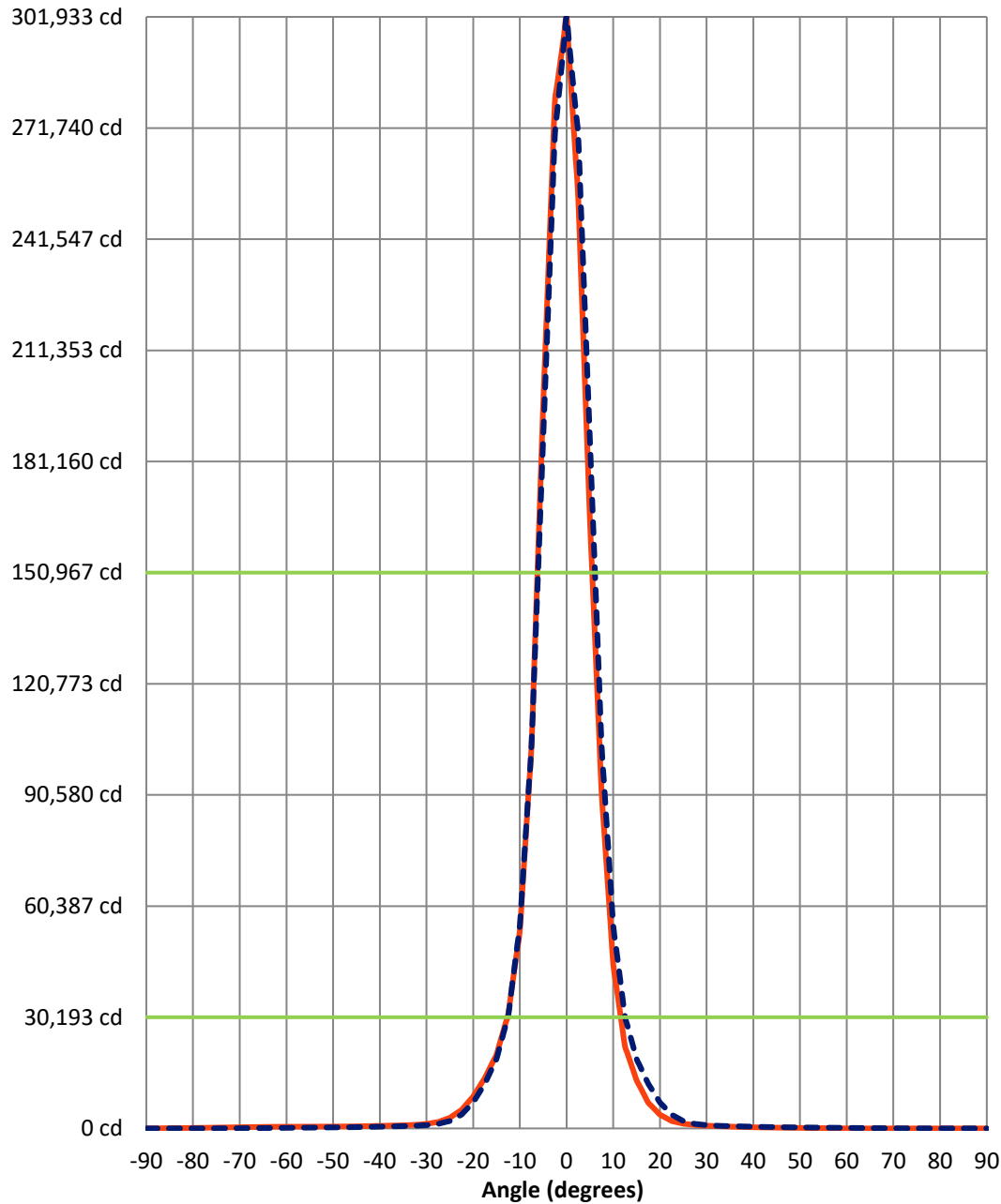
Luminous Intensity Polar Plot



— 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: 6598
Efficiency: 31.3%

Field:
H Angle: 25.1°
V Angle: 24.3°
Lumens: 15012.8
Efficiency: 71.2%

Spill:
Lumens: 6077.4
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	3.8	3.8
85°	0.0	0.0	0.0	0.0	3.8	3.8	3.8	3.8	3.8	7.6	7.6
82.5°	0.0	0.0	0.0	0.0	3.8	3.8	3.8	3.8	7.6	7.6	7.6
80°	0.0	0.0	0.0	0.0	3.8	3.8	3.8	3.8	7.6	7.6	7.6
77.5°	0.0	0.0	0.0	0.0	3.8	3.8	3.8	3.8	3.8	3.8	7.6
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°	7.6	7.6	7.6	7.6	11.3	11.3	15.1	15.1	15.1	7.6	15.1
57.5°	60.5	60.5	56.7	52.9	49.1	45.3	45.3	45.3	45.3	45.3	37.8
55°	83.1	83.1	83.1	79.3	79.3	75.6	71.8	68.0	68.0	64.2	60.5
52.5°	98.2	98.2	98.2	98.2	94.5	94.5	94.5	90.7	83.1	83.1	79.3
50°	139.8	136.0	136.0	136.0	136.0	128.5	124.7	117.1	113.4	109.6	105.8
47.5°	181.4	181.4	177.6	177.6	173.8	166.2	158.7	151.1	143.6	139.8	132.2
45°	215.4	215.4	211.6	211.6	207.8	200.3	188.9	177.6	170.0	162.5	154.9
42.5°	264.5	260.7	256.9	253.2	245.6	234.3	219.1	204.0	192.7	181.4	173.8
40°	317.4	317.4	313.6	309.8	298.5	287.2	268.3	249.4	230.5	207.8	196.5
37.5°	381.6	385.4	389.2	389.2	381.6	366.5	340.1	317.4	287.2	256.9	241.8
35°	498.7	498.7	506.3	506.3	495.0	476.1	457.2	408.1	370.3	332.5	298.5
32.5°	627.2	631.0	615.9	604.5	589.4	566.8	532.8	491.2	449.6	400.5	362.7
30°	751.9	751.9	733.0	710.3	680.1	642.3	600.8	555.4	506.3	457.2	411.8
27.5°	948.4	929.5	914.4	876.6	823.7	751.9	699.0	627.2	563.0	506.3	457.2
25°	1273.3	1269.5	1235.5	1171.3	1065.5	952.1	865.2	744.3	646.1	559.2	502.5
22.5°	2025.2	1998.8	1919.4	1760.7	1511.3	1314.9	1137.3	948.4	770.8	653.7	563.0
20°	3744.4	3657.5	3445.9	3007.6	2448.4	2063.0	1620.9	1303.5	1005.0	785.9	649.9
17.5°	6986.2	6929.5	6850.2	5837.6	4700.3	3884.2	2890.5	1998.8	1428.2	1027.7	770.8
15°	13095.8	12676.4	11799.8	10587.0	8996.3	6952.2	5112.1	3226.7	2040.3	1367.8	978.6
12.5°	22386.8	21922.1	19658.9	16624.8	13764.6	10855.3	7621.0	4904.3	2905.6	1738.0	1160.0
10°	44607.4	41233.3	34897.0	26044.3	20327.6	15158.8	10700.3	6691.5	3782.1	2195.2	1375.3
7.5°	91364.7	80339.5	61908.6	43704.4	28288.6	19881.8	13666.4	8750.7	5040.3	2746.9	1571.8
5°	165594.6	146034.0	110018.6	66246.1	41078.4	24918.3	16216.8	10405.6	5966.0	3196.5	1768.3
2.5°	252852.2	227548.5	159058.0	91092.7	50652.8	28817.6	18000.2	11493.8	6555.5	3502.5	1919.4
0°	301933.3	269703.8	187316.4	104290.5	55213.3	30472.5	18873.0	12147.5	7054.2	3751.9	2017.6
-2.5°	278911.6	252965.6	172146.3	96877.4	52761.1	29747.1	18997.6	12309.9	7137.3	3819.9	2063.0
-5°	196577.2	175282.3	119113.1	71490.5	44766.1	27400.7	17924.6	11697.8	6906.9	3721.7	2044.1
-7.5°	103999.6	94364.8	70640.4	51370.7	32675.3	23191.6	16137.4	10613.4	6309.9	3457.2	1930.7
-10°	53732.2	51756.1	44599.9	33619.9	26441.0	19428.4	13772.2	9075.6	5274.6	2977.4	1738.0
-12.5°	30978.8	30642.6	28341.5	24328.9	20274.7	15959.8	11301.1	7401.8	4401.8	2467.3	1466.0
-15°	20059.4	20202.9	19401.9	17731.9	15423.3	11943.4	8682.7	5505.1	3257.0	1998.8	1292.2
-17.5°	13689.0	13651.2	13277.2	12132.3	10273.4	8066.8	5754.5	3887.9	2467.3	1556.7	1073.1
-20°	8660.0	8675.1	8327.5	7537.8	6170.1	4972.3	3581.9	2622.2	1749.4	1224.2	948.4



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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°	5025.2	5036.6	4817.4	4371.6	3653.7	2947.1	2327.5	1734.3	1288.4	1020.2	831.2
-25°	2886.7	2841.3	2754.4	2539.1	2202.8	1817.4	1545.4	1220.4	1031.5	865.2	759.5
-27.5°	1749.4	1719.2	1673.8	1579.4	1447.1	1254.4	1129.7	986.2	876.6	778.3	714.1
-30°	1220.4	1231.7	1194.0	1144.8	1084.4	997.5	929.5	861.5	789.7	729.2	668.8
-32.5°	971.0	978.6	959.7	940.8	910.6	876.6	835.0	785.9	729.2	672.5	615.9
-35°	835.0	838.8	838.8	835.0	827.5	801.0	770.8	725.4	672.5	619.7	570.5
-37.5°	767.0	770.8	770.8	767.0	755.7	733.0	702.8	665.0	615.9	566.8	529.0
-40°	695.2	699.0	695.2	687.7	676.3	653.7	631.0	600.8	563.0	521.4	487.4
-42.5°	627.2	623.4	619.7	612.1	600.8	585.6	566.8	544.1	517.6	487.4	461.0
-45°	563.0	563.0	559.2	555.4	547.9	536.5	525.2	506.3	487.4	464.7	442.1
-47.5°	529.0	529.0	525.2	521.4	517.6	510.1	498.7	483.6	468.5	449.6	430.7
-50°	506.3	506.3	506.3	502.5	498.7	491.2	479.9	468.5	453.4	434.5	415.6
-52.5°	491.2	491.2	491.2	487.4	483.6	479.9	468.5	453.4	434.5	419.4	404.3
-55°	483.6	479.9	479.9	476.1	472.3	468.5	453.4	438.3	423.2	408.1	393.0
-57.5°	472.3	468.5	468.5	464.7	461.0	457.2	442.1	427.0	411.8	393.0	381.6
-60°	461.0	457.2	457.2	449.6	445.8	442.1	427.0	411.8	396.7	381.6	366.5
-62.5°	445.8	442.1	438.3	434.5	427.0	419.4	408.1	393.0	374.1	358.9	343.8
-65°	411.8	408.1	404.3	400.5	396.7	393.0	381.6	362.7	347.6	332.5	317.4
-67.5°	370.3	370.3	370.3	362.7	358.9	351.4	343.8	328.7	313.6	298.5	287.2
-70°	321.2	321.2	321.2	313.6	309.8	306.0	294.7	283.4	272.0	260.7	245.6
-72.5°	272.0	268.3	268.3	264.5	256.9	253.2	245.6	238.0	226.7	219.1	207.8
-75°	222.9	219.1	219.1	215.4	211.6	207.8	200.3	196.5	188.9	181.4	170.0
-77.5°	177.6	177.6	177.6	173.8	170.0	166.2	162.5	158.7	154.9	147.4	139.8
-80°	136.0	136.0	136.0	136.0	136.0	136.0	136.0	132.2	124.7	120.9	117.1
-82.5°	98.2	102.0	102.0	102.0	102.0	102.0	102.0	102.0	98.2	94.5	90.7
-85°	64.2	68.0	68.0	71.8	75.6	75.6	79.3	75.6	71.8	64.2	60.5
-87.5°	34.0	34.0	34.0	34.0	34.0	34.0	34.0	30.2	30.2	30.2	26.4
-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°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	7.6	7.6	7.6
85°	7.6	7.6	7.6	7.6	11.3	11.3	11.3	15.1	15.1	15.1	15.1
82.5°	7.6	11.3	11.3	11.3	15.1	15.1	18.9	22.7	30.2	34.0	34.0
80°	7.6	11.3	11.3	11.3	15.1	15.1	18.9	18.9	22.7	26.4	34.0
77.5°	7.6	7.6	11.3	11.3	11.3	15.1	15.1	18.9	18.9	22.7	26.4
75°	3.8	7.6	7.6	7.6	11.3	11.3	15.1	15.1	18.9	18.9	22.7
72.5°	3.8	7.6	7.6	7.6	11.3	11.3	15.1	15.1	15.1	18.9	18.9
70°	3.8	7.6	7.6	7.6	7.6	11.3	11.3	11.3	15.1	15.1	15.1
67.5°	3.8	3.8	3.8	7.6	7.6	7.6	7.6	11.3	11.3	11.3	15.1
65°	3.8	3.8	3.8	3.8	7.6	7.6	7.6	7.6	11.3	11.3	11.3
62.5°	3.8	3.8	3.8	7.6	7.6	7.6	7.6	7.6	11.3	11.3	11.3
60°	15.1	15.1	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
57.5°	34.0	34.0	30.2	26.4	22.7	22.7	18.9	15.1	15.1	11.3	11.3
55°	56.7	52.9	49.1	41.6	37.8	34.0	30.2	22.7	18.9	15.1	11.3
52.5°	71.8	68.0	64.2	60.5	52.9	45.3	41.6	37.8	30.2	22.7	18.9
50°	105.8	94.5	86.9	79.3	71.8	64.2	56.7	52.9	41.6	34.0	26.4
47.5°	128.5	120.9	109.6	102.0	94.5	83.1	71.8	64.2	56.7	45.3	34.0
45°	147.4	139.8	128.5	120.9	113.4	102.0	90.7	79.3	71.8	60.5	45.3
42.5°	166.2	158.7	147.4	139.8	128.5	117.1	105.8	94.5	83.1	75.6	60.5
40°	192.7	181.4	166.2	158.7	151.1	136.0	120.9	109.6	98.2	86.9	71.8
37.5°	226.7	215.4	196.5	181.4	170.0	158.7	143.6	128.5	117.1	102.0	86.9
35°	279.6	260.7	234.3	211.6	196.5	181.4	162.5	147.4	132.2	117.1	102.0
32.5°	332.5	302.3	268.3	241.8	219.1	200.3	181.4	166.2	147.4	128.5	113.4
30°	374.1	340.1	306.0	268.3	241.8	219.1	200.3	181.4	162.5	143.6	124.7
27.5°	415.6	377.8	340.1	302.3	264.5	234.3	215.4	196.5	177.6	158.7	136.0
25°	457.2	415.6	377.8	336.3	290.9	256.9	230.5	215.4	196.5	173.8	147.4
22.5°	495.0	457.2	419.4	374.1	321.2	275.8	249.4	230.5	211.6	185.1	162.5
20°	566.8	517.6	472.3	415.6	355.2	309.8	275.8	249.4	226.7	200.3	173.8
17.5°	661.2	589.4	529.0	464.7	404.3	347.6	298.5	268.3	245.6	215.4	185.1
15°	782.1	657.4	581.9	517.6	445.8	381.6	328.7	287.2	256.9	226.7	200.3
12.5°	872.8	710.3	627.2	566.8	491.2	419.4	351.4	302.3	268.3	238.0	207.8
10°	974.8	767.0	665.0	597.0	517.6	438.3	366.5	313.6	275.8	249.4	219.1
7.5°	1057.9	812.3	683.9	608.3	532.8	453.4	381.6	324.9	287.2	256.9	226.7
5°	1133.5	850.1	699.0	612.1	540.3	464.7	389.2	332.5	294.7	264.5	234.3
2.5°	1186.4	884.1	714.1	619.7	547.9	472.3	400.5	340.1	302.3	272.0	241.8
0°	1231.7	895.5	710.3	619.7	551.6	472.3	404.3	343.8	306.0	275.8	245.6
-2.5°	1246.9	914.4	729.2	627.2	559.2	479.9	411.8	347.6	309.8	279.6	253.2
-5°	1246.9	899.3	729.2	634.8	563.0	483.6	411.8	351.4	313.6	283.4	253.2
-7.5°	1201.5	876.6	725.4	642.3	566.8	487.4	411.8	355.2	317.4	287.2	256.9
-10°	1122.2	842.6	721.7	646.1	566.8	483.6	411.8	355.2	317.4	287.2	260.7
-12.5°	993.7	797.2	702.8	638.5	559.2	476.1	408.1	355.2	317.4	290.9	260.7
-15°	929.5	759.5	680.1	615.9	540.3	464.7	400.5	351.4	317.4	290.9	264.5
-17.5°	842.6	729.2	657.4	593.2	525.2	453.4	393.0	351.4	317.4	287.2	264.5
-20°	782.1	695.2	631.0	574.3	506.3	442.1	389.2	347.6	317.4	287.2	264.5



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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
-22.5°	729.2	657.4	600.8	544.1	483.6	427.0	381.6	343.8	313.6	287.2	264.5
-25°	687.7	623.4	570.5	517.6	464.7	415.6	374.1	340.1	309.8	287.2	260.7
-27.5°	649.9	589.4	540.3	491.2	442.1	404.3	366.5	336.3	309.8	283.4	256.9
-30°	608.3	559.2	510.1	464.7	430.7	393.0	358.9	328.7	306.0	279.6	253.2
-32.5°	566.8	521.4	479.9	445.8	415.6	385.4	355.2	324.9	298.5	272.0	245.6
-35°	529.0	487.4	457.2	427.0	404.3	377.8	347.6	317.4	294.7	268.3	245.6
-37.5°	491.2	461.0	434.5	411.8	389.2	366.5	336.3	309.8	287.2	260.7	234.3
-40°	461.0	438.3	419.4	400.5	377.8	351.4	328.7	302.3	279.6	253.2	222.9
-42.5°	442.1	423.2	404.3	385.4	366.5	343.8	321.2	294.7	272.0	245.6	215.4
-45°	423.2	408.1	393.0	377.8	358.9	336.3	309.8	283.4	260.7	234.3	211.6
-47.5°	411.8	396.7	381.6	370.3	355.2	324.9	302.3	275.8	249.4	226.7	200.3
-50°	400.5	385.4	374.1	358.9	340.1	313.6	290.9	264.5	241.8	215.4	192.7
-52.5°	389.2	374.1	358.9	343.8	324.9	302.3	279.6	256.9	230.5	204.0	181.4
-55°	377.8	362.7	347.6	332.5	313.6	294.7	272.0	241.8	215.4	188.9	166.2
-57.5°	366.5	355.2	336.3	317.4	298.5	279.6	253.2	226.7	200.3	173.8	154.9
-60°	351.4	336.3	321.2	298.5	279.6	256.9	234.3	211.6	185.1	162.5	143.6
-62.5°	328.7	313.6	298.5	275.8	256.9	238.0	219.1	192.7	173.8	151.1	132.2
-65°	302.3	287.2	272.0	253.2	234.3	215.4	200.3	177.6	158.7	139.8	124.7
-67.5°	272.0	256.9	245.6	226.7	211.6	192.7	177.6	158.7	139.8	124.7	109.6
-70°	234.3	222.9	211.6	196.5	181.4	166.2	151.1	136.0	120.9	109.6	94.5
-72.5°	200.3	188.9	177.6	166.2	154.9	139.8	128.5	117.1	105.8	94.5	86.9
-75°	162.5	154.9	147.4	139.8	128.5	117.1	109.6	98.2	90.7	83.1	79.3
-77.5°	136.0	128.5	120.9	113.4	105.8	98.2	90.7	83.1	79.3	75.6	71.8
-80°	109.6	105.8	102.0	94.5	90.7	83.1	79.3	71.8	71.8	71.8	71.8
-82.5°	86.9	83.1	79.3	75.6	71.8	68.0	68.0	64.2	68.0	68.0	64.2
-85°	60.5	56.7	52.9	52.9	49.1	49.1	45.3	45.3	45.3	41.6	41.6
-87.5°	26.4	26.4	26.4	26.4	22.7	22.7	22.7	22.7	22.7	18.9	18.9
-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: P724259
 CATALOG NUMBER: IFLD-M-SA4C-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°	7.6	7.6	3.8	3.8	3.8	3.8	3.8	3.8	3.8	0.0	0.0
85°	15.1	15.1	11.3	11.3	11.3	7.6	7.6	3.8	3.8	3.8	3.8
82.5°	34.0	30.2	26.4	22.7	18.9	15.1	11.3	7.6	7.6	3.8	3.8
80°	41.6	41.6	41.6	37.8	30.2	22.7	15.1	11.3	7.6	3.8	3.8
77.5°	30.2	30.2	34.0	37.8	37.8	30.2	18.9	11.3	7.6	7.6	3.8
75°	22.7	22.7	22.7	26.4	30.2	30.2	22.7	15.1	7.6	7.6	3.8
72.5°	22.7	22.7	22.7	22.7	22.7	22.7	22.7	15.1	11.3	7.6	7.6
70°	18.9	18.9	18.9	18.9	18.9	18.9	18.9	15.1	11.3	7.6	7.6
67.5°	15.1	15.1	18.9	18.9	18.9	15.1	15.1	15.1	11.3	7.6	7.6
65°	11.3	15.1	15.1	18.9	15.1	15.1	15.1	11.3	11.3	7.6	7.6
62.5°	11.3	11.3	15.1	15.1	15.1	15.1	11.3	11.3	11.3	7.6	7.6
60°	11.3	11.3	11.3	15.1	11.3	11.3	11.3	11.3	11.3	7.6	7.6
57.5°	11.3	11.3	11.3	11.3	11.3	11.3	11.3	7.6	7.6	7.6	7.6
55°	11.3	11.3	11.3	11.3	11.3	11.3	7.6	7.6	7.6	7.6	7.6
52.5°	15.1	11.3	11.3	11.3	11.3	11.3	7.6	7.6	7.6	7.6	7.6
50°	18.9	11.3	11.3	11.3	11.3	7.6	7.6	7.6	7.6	7.6	7.6
47.5°	26.4	18.9	15.1	11.3	11.3	7.6	7.6	7.6	7.6	7.6	3.8
45°	37.8	26.4	18.9	15.1	11.3	7.6	7.6	7.6	7.6	7.6	3.8
42.5°	45.3	34.0	22.7	18.9	15.1	11.3	7.6	7.6	7.6	3.8	3.8
40°	56.7	45.3	30.2	22.7	15.1	11.3	7.6	7.6	7.6	3.8	3.8
37.5°	71.8	56.7	37.8	26.4	18.9	11.3	11.3	7.6	7.6	3.8	3.8
35°	83.1	64.2	49.1	30.2	22.7	15.1	11.3	7.6	7.6	3.8	3.8
32.5°	94.5	75.6	60.5	37.8	26.4	18.9	15.1	7.6	7.6	3.8	3.8
30°	105.8	86.9	68.0	49.1	34.0	22.7	15.1	7.6	7.6	3.8	3.8
27.5°	117.1	94.5	75.6	56.7	37.8	26.4	18.9	11.3	7.6	3.8	3.8
25°	128.5	105.8	83.1	64.2	41.6	30.2	18.9	11.3	7.6	7.6	3.8
22.5°	136.0	117.1	94.5	71.8	49.1	34.0	22.7	15.1	7.6	7.6	3.8
20°	147.4	128.5	102.0	79.3	56.7	37.8	22.7	15.1	7.6	7.6	3.8
17.5°	158.7	136.0	109.6	86.9	64.2	41.6	26.4	18.9	7.6	7.6	3.8
15°	170.0	143.6	117.1	90.7	68.0	45.3	26.4	18.9	7.6	7.6	3.8
12.5°	181.4	154.9	124.7	98.2	71.8	49.1	30.2	22.7	11.3	7.6	3.8
10°	188.9	162.5	132.2	102.0	75.6	56.7	34.0	22.7	11.3	7.6	3.8
7.5°	200.3	170.0	139.8	109.6	79.3	60.5	37.8	22.7	11.3	7.6	3.8
5°	204.0	177.6	143.6	117.1	83.1	64.2	41.6	26.4	11.3	7.6	3.8
2.5°	207.8	185.1	147.4	120.9	86.9	64.2	41.6	26.4	15.1	7.6	3.8
0°	211.6	188.9	151.1	124.7	90.7	68.0	45.3	26.4	15.1	7.6	3.8
-2.5°	215.4	192.7	158.7	128.5	94.5	71.8	49.1	26.4	15.1	7.6	3.8
-5°	219.1	192.7	166.2	132.2	98.2	71.8	49.1	30.2	18.9	7.6	3.8
-7.5°	222.9	196.5	170.0	136.0	102.0	71.8	52.9	30.2	18.9	11.3	3.8
-10°	226.7	200.3	173.8	139.8	102.0	75.6	52.9	30.2	18.9	11.3	3.8
-12.5°	230.5	204.0	173.8	139.8	105.8	75.6	52.9	34.0	18.9	11.3	3.8
-15°	234.3	204.0	173.8	139.8	105.8	79.3	56.7	34.0	18.9	11.3	7.6
-17.5°	234.3	204.0	173.8	143.6	105.8	79.3	56.7	34.0	18.9	11.3	7.6
-20°	234.3	204.0	173.8	143.6	105.8	79.3	56.7	34.0	18.9	11.3	7.6



REPORT NUMBER: P724259
 CATALOG NUMBER: IFLD-M-SA4C-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°	230.5	200.3	173.8	139.8	105.8	79.3	56.7	34.0	22.7	11.3	7.6
-25°	230.5	200.3	173.8	139.8	105.8	79.3	52.9	34.0	22.7	11.3	7.6
-27.5°	226.7	200.3	170.0	136.0	102.0	75.6	52.9	34.0	22.7	11.3	7.6
-30°	222.9	196.5	166.2	132.2	102.0	75.6	52.9	34.0	22.7	11.3	7.6
-32.5°	219.1	188.9	162.5	128.5	98.2	71.8	52.9	34.0	22.7	11.3	7.6
-35°	211.6	185.1	154.9	124.7	94.5	71.8	49.1	34.0	22.7	15.1	7.6
-37.5°	204.0	177.6	151.1	120.9	90.7	68.0	49.1	34.0	22.7	15.1	7.6
-40°	196.5	173.8	143.6	113.4	86.9	64.2	49.1	34.0	22.7	15.1	11.3
-42.5°	188.9	166.2	139.8	109.6	86.9	64.2	45.3	34.0	22.7	15.1	11.3
-45°	185.1	162.5	132.2	105.8	83.1	64.2	45.3	30.2	22.7	15.1	11.3
-47.5°	177.6	151.1	124.7	102.0	79.3	60.5	41.6	30.2	22.7	15.1	11.3
-50°	166.2	143.6	120.9	98.2	75.6	56.7	41.6	30.2	22.7	15.1	11.3
-52.5°	154.9	132.2	113.4	90.7	71.8	56.7	41.6	30.2	22.7	15.1	11.3
-55°	143.6	124.7	105.8	86.9	68.0	52.9	37.8	30.2	22.7	15.1	11.3
-57.5°	136.0	117.1	98.2	79.3	64.2	49.1	37.8	26.4	18.9	15.1	11.3
-60°	128.5	109.6	90.7	75.6	60.5	49.1	37.8	26.4	18.9	15.1	7.6
-62.5°	117.1	102.0	83.1	71.8	56.7	45.3	34.0	26.4	18.9	15.1	7.6
-65°	105.8	90.7	75.6	64.2	52.9	41.6	34.0	26.4	18.9	15.1	7.6
-67.5°	94.5	83.1	71.8	60.5	49.1	41.6	34.0	26.4	18.9	11.3	7.6
-70°	86.9	75.6	64.2	56.7	49.1	37.8	34.0	26.4	18.9	11.3	7.6
-72.5°	75.6	68.0	60.5	52.9	45.3	41.6	34.0	26.4	15.1	11.3	7.6
-75°	71.8	64.2	56.7	52.9	49.1	41.6	34.0	22.7	15.1	11.3	7.6
-77.5°	71.8	64.2	60.5	56.7	49.1	41.6	30.2	18.9	11.3	11.3	7.6
-80°	71.8	68.0	64.2	52.9	45.3	34.0	22.7	18.9	11.3	7.6	3.8
-82.5°	64.2	52.9	45.3	37.8	34.0	26.4	18.9	15.1	7.6	7.6	3.8
-85°	41.6	34.0	30.2	26.4	22.7	18.9	11.3	7.6	7.6	3.8	3.8
-87.5°	18.9	18.9	15.1	11.3	11.3	7.6	7.6	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: P724259
 CATALOG NUMBER: IFLD-M-SA4C-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°	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: P724259
CATALOG NUMBER: IFLD-M-SA4C-830-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)