

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: P723739

Luminaire Tested: **IFLD-M-SA4E-740-U-11-VI**

Issue Date: 01/11/2023

Test Information

Test Method: LM-79-2019
Report Number: P723739
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/11/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4E-740-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (64) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	1H x 1V
Luminaire Lumens:	19166.3 lumens	Max Intensity:	450915.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	60.9 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 0.5' x H: 0')		

Beam Angle (50%):	9.3°H x 8.8°V	Field Angle (10%):	15.8°H x 15.3°V
Beam Lumens:	6950.5 lumens	Field Lumens:	11080.4 lumens
Beam Efficiency:	36.3%	Field Efficiency:	57.8%

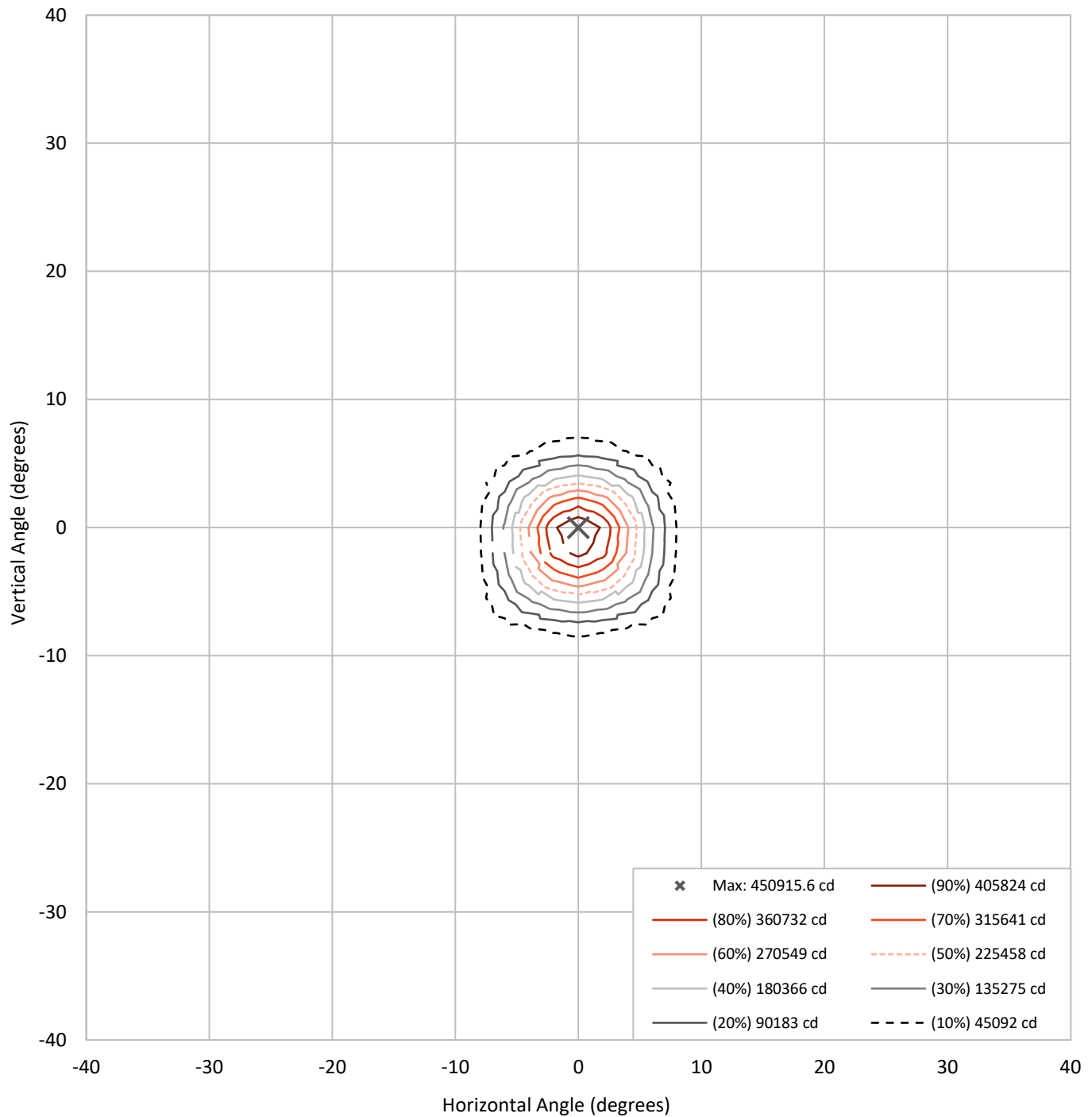
Input Watts (W): 314.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P723739

CATALOG NUMBER: IFLD-M-SA4E-740-U-11-VI

Iso-Candela Plot



REPORT NUMBER: P723739

CATALOG NUMBER: IFLD-M-SA4E-740-U-11-VI

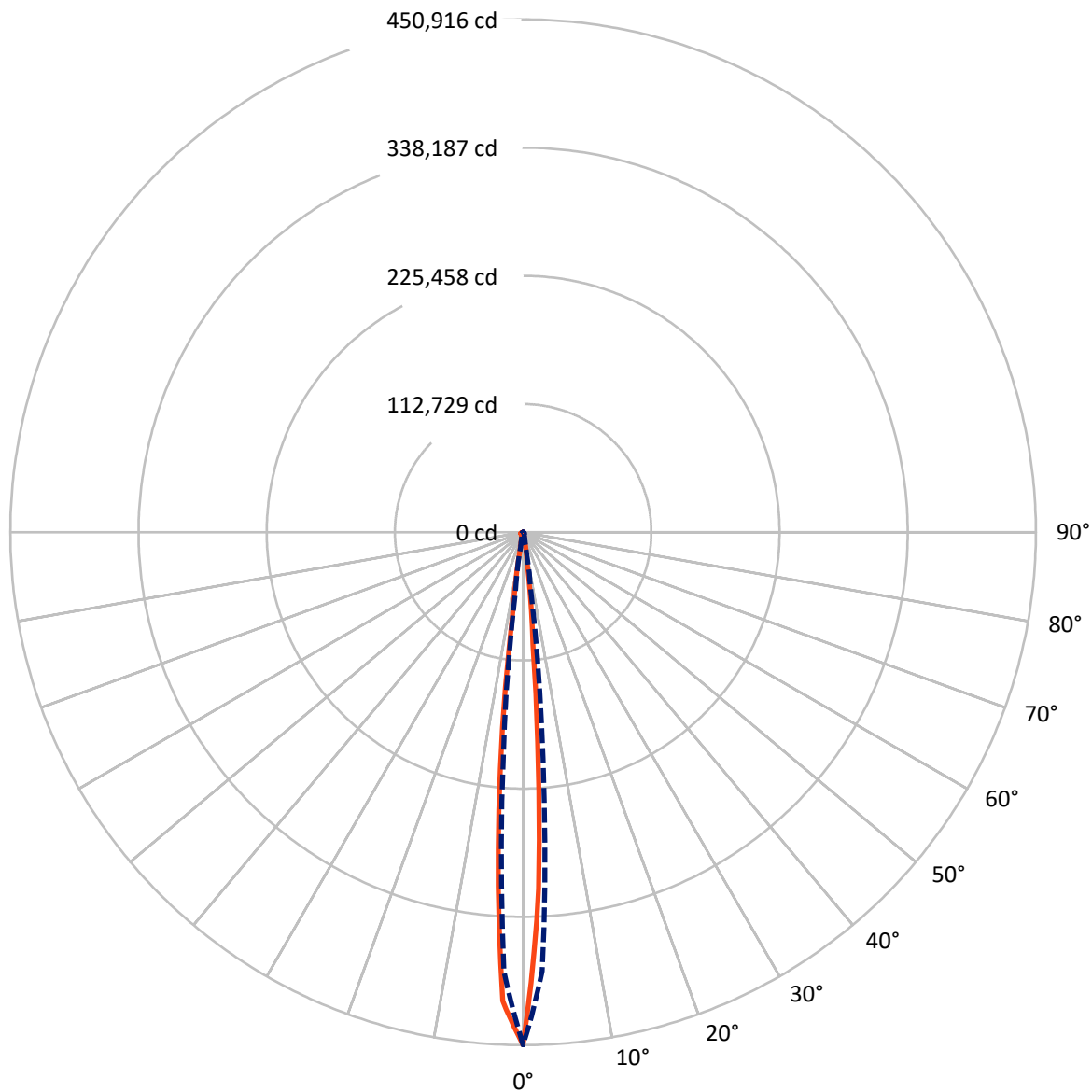
Lumen Table

90																			
80	0.3	4.3		4.6		1.8		0.5		1.8		4.6		4.3		0.3			
70																			
60	0.5	1.0	1.2	0.9	0.8	0.6	0.5	0.3	0.3	0.5	0.6	0.8	0.9	1.2	1.0	0.5			
50		0.6	0.9	2.2	4.9	8.1	10.4	11.9	11.9	10.4	8.1	4.9	2.2	0.9	0.6				
40	0.5	0.6	2.6	8.7	17.2	25.1	30.3	33.5	33.5	30.3	25.1	17.2	8.7	2.6	0.6	0.5			
30		1.3	6.6	17.9	29.2	34.2	37.0	38.3	38.3	37.0	34.2	29.2	17.9	6.6	1.3				
20	0.8	2.5	11.4	26.1	33.8	34.8	41.0	49.4	49.4	41.0	34.8	33.8	26.1	11.4	2.5	0.8			
10		3.9	15.9	32.1	36.0	40.6	71.4	121.6	121.6	71.4	40.6	36.0	32.1	15.9	3.9				
0	1.3	5.1	19.5	35.2	37.3	50.1	135.8	2516.1	2516.1	135.8	50.1	37.3	35.2	19.5	5.1	1.3			
-10		5.9	21.4	37.0	38.7	51.8	146.3	3668.6	3668.6	146.3	51.8	38.7	37.0	21.4	5.9				
-20	1.8	6.3	21.9	39.0	41.9	46.8	85.0	163.2	163.2	85.0	46.8	41.9	39.0	21.9	6.3	1.8			
-30		6.0	20.9	39.5	47.0	47.1	55.1	67.2	67.2	55.1	47.1	47.0	39.5	20.9	6.0				
-40	2.0	5.3	18.4	37.7	51.7	56.4	58.7	59.2	59.2	58.7	56.4	51.7	37.7	18.4	5.3	2.0			
-50		4.6	14.8	32.0	49.9	60.7	68.0	71.3	71.3	68.0	60.7	49.9	32.0	14.8	4.6				
-60	1.6	4.2	11.4	24.8	42.5	57.1	66.4	70.2	70.2	66.4	57.1	42.5	24.8	11.4	4.2	1.6			
-70		3.9	10.1	20.2	35.5	50.0	60.5	65.3	65.3	60.5	50.0	35.5	20.2	10.1	3.9				
-80	0.7	11.9		35.3		65.4		72.2		65.4		35.3		11.9		0.7			
-90																			
Horizontal Angle (degrees)																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

REPORT NUMBER: P723739

CATALOG NUMBER: IFLD-M-SA4E-740-U-11-VI

Luminous Intensity Polar Plot



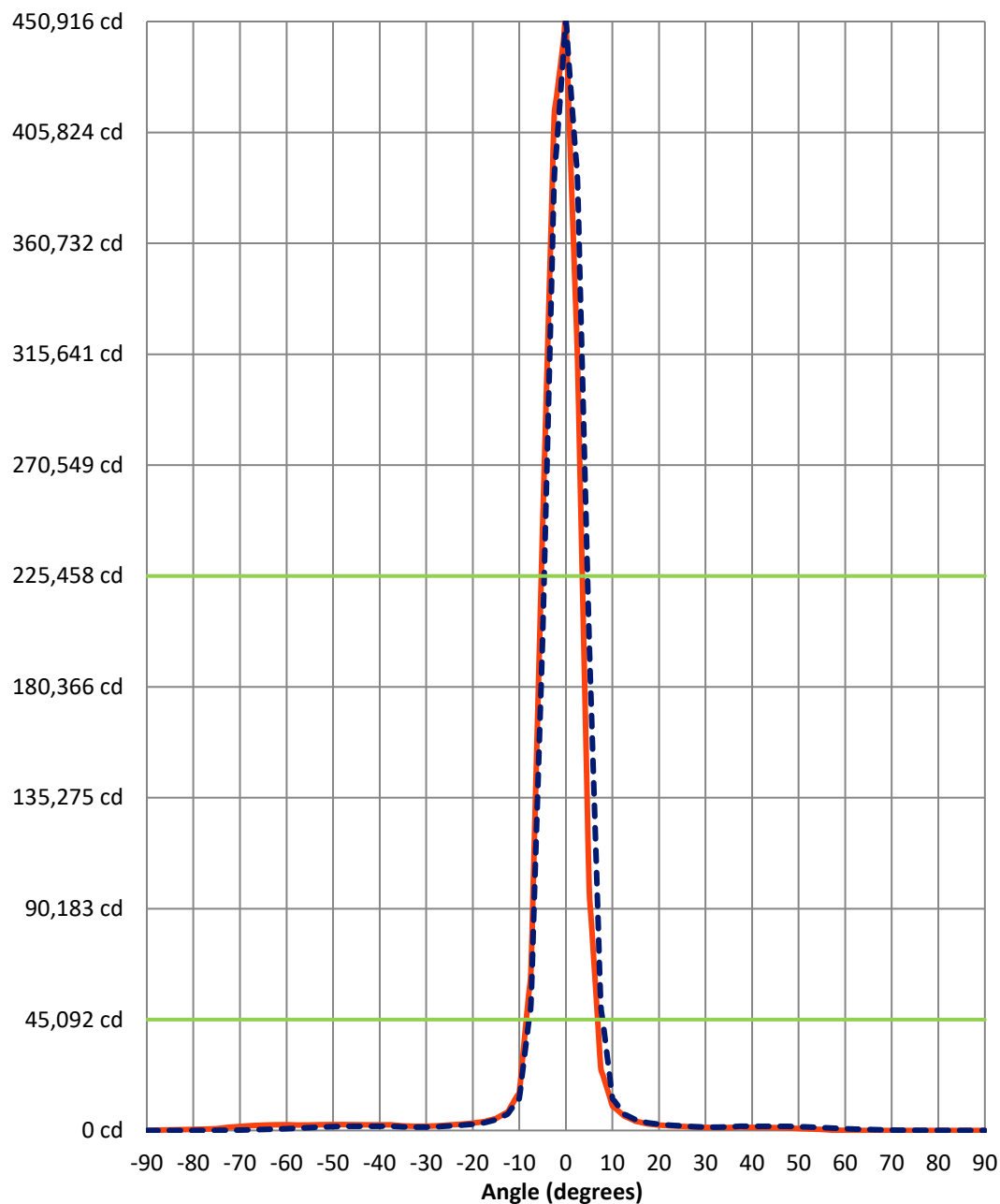
— Vertical Distribution Through 0-Deg

- - - Horizontal Distribution Through 0-Deg

REPORT NUMBER: P723739

CATALOG NUMBER: IFLD-M-SA4E-740-U-11-VI

Luminous Intensity Plot



Beam:

H Angle: 9.3°

V Angle: 8.8°

Lumens: 6950.5

Efficiency: 36.3%

Field:

H Angle: 15.8°

V Angle: 15.3°

Lumens: 11080.4

Efficiency: 57.8%

Spill:

Lumens: 8085.9

Efficiency: 42.2%

— Vertical Distribution through 0-Deg
- - Horizontal Distribution through 0-Deg

REPORT NUMBER: P723739

CATALOG NUMBER: IFLD-M-SA4E-740-U-11-VI

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	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
85°	0.0	4.4	4.4	8.8	8.8	8.8	13.3	17.7	22.1	22.1	26.5
82.5°	0.0	4.4	4.4	8.8	8.8	13.3	13.3	22.1	26.5	31.0	39.8
80°	4.4	4.4	4.4	8.8	8.8	13.3	13.3	17.7	22.1	31.0	35.4
77.5°	0.0	4.4	4.4	4.4	8.8	8.8	8.8	13.3	17.7	22.1	26.5
75°	0.0	4.4	4.4	4.4	8.8	8.8	8.8	8.8	13.3	13.3	17.7
72.5°	0.0	0.0	0.0	4.4	4.4	8.8	8.8	8.8	13.3	13.3	13.3
70°	0.0	0.0	0.0	4.4	4.4	8.8	8.8	8.8	13.3	13.3	13.3
67.5°	0.0	0.0	0.0	4.4	4.4	8.8	8.8	8.8	13.3	13.3	13.3
65°	0.0	0.0	0.0	4.4	4.4	8.8	8.8	13.3	13.3	13.3	13.3
62.5°	4.4	4.4	4.4	8.8	13.3	13.3	17.7	22.1	22.1	22.1	22.1
60°	44.2	48.7	53.1	53.1	48.7	48.7	53.1	53.1	53.1	53.1	53.1
57.5°	119.5	128.3	132.7	132.7	132.7	128.3	146.0	150.4	132.7	123.9	137.2
55°	415.9	429.2	420.3	407.1	380.5	349.5	340.7	336.3	340.7	318.6	283.2
52.5°	606.2	619.4	615.0	606.2	588.5	566.3	548.6	530.9	513.2	477.8	438.0
50°	787.6	792.0	787.6	778.7	761.0	738.9	703.5	663.7	628.3	619.4	584.0
47.5°	991.1	1004.4	1004.4	999.9	986.7	946.8	893.7	836.2	809.7	800.8	765.4
45°	1172.5	1181.3	1185.8	1190.2	1185.8	1145.9	1097.3	1066.3	1008.8	991.1	991.1
42.5°	1221.2	1225.6	1230.0	1234.4	1247.7	1216.7	1176.9	1123.8	1110.5	1106.1	1097.3
40°	1238.9	1230.0	1234.4	1238.9	1243.3	1221.2	1190.2	1159.2	1150.4	1141.5	1141.5
37.5°	1407.0	1367.2	1336.2	1309.6	1287.5	1265.4	1234.4	1207.9	1185.8	1168.1	1185.8
35°	1199.0	1199.0	1230.0	1256.6	1283.1	1309.6	1314.1	1283.1	1234.4	1212.3	1243.3
32.5°	1225.6	1225.6	1225.6	1234.4	1243.3	1265.4	1287.5	1300.8	1336.2	1296.4	1296.4
30°	1252.1	1256.6	1265.4	1269.8	1256.6	1247.7	1238.9	1238.9	1261.0	1318.5	1349.5
27.5°	1407.0	1407.0	1393.7	1376.0	1336.2	1274.2	1243.3	1199.0	1203.5	1230.0	1305.2
25°	1659.2	1650.3	1619.4	1575.1	1504.3	1415.8	1331.8	1238.9	1199.0	1185.8	1216.7
22.5°	1898.1	1884.8	1845.0	1805.2	1747.7	1659.2	1517.6	1376.0	1252.1	1199.0	1185.8
20°	2203.4	2172.4	2128.2	2066.2	1973.3	1884.8	1760.9	1575.1	1393.7	1256.6	1203.5
17.5°	2694.5	2654.7	2570.6	2460.0	2300.7	2163.6	1986.6	1809.6	1606.1	1384.9	1265.4
15°	3769.7	3667.9	3521.9	3216.6	2902.5	2641.4	2375.9	2079.5	1871.6	1579.5	1398.1
12.5°	5928.8	5650.1	5225.3	4513.0	3809.5	3203.3	2774.1	2393.6	2057.4	1787.5	1530.9
10°	10034.7	9437.4	8264.9	6318.1	5021.8	3906.8	3137.0	2628.1	2203.4	1924.6	1641.5
7.5°	25378.8	20702.1	14649.4	10003.7	6570.3	4774.0	3588.2	2849.4	2358.2	2013.1	1730.0
5°	98913.5	81481.1	43466.0	18140.3	9884.3	5773.9	3995.3	3026.3	2460.0	2079.5	1796.3
2.5°	313920.7	271091.8	142229.1	39050.4	12136.3	6504.0	4274.0	3137.0	2517.5	2128.2	1845.0
0°	450915.6	386451.1	199610.1	51359.3	13162.8	6689.8	4362.5	3159.1	2526.4	2137.0	1845.0
-2.5°	412511.2	361028.1	192822.9	47793.1	13450.4	6742.9	4433.3	3234.3	2592.7	2176.8	1858.3
-5°	245111.3	214998.4	134508.4	34077.3	11950.5	6260.6	4247.5	3167.9	2548.5	2154.7	1849.4
-7.5°	64579.6	55907.6	36776.2	17782.0	7734.0	5296.1	3902.4	3057.3	2491.0	2114.9	1814.0
-10°	15569.7	14755.6	13180.5	8079.1	6021.7	4424.5	3459.9	2858.2	2375.9	2061.8	1756.5
-12.5°	7508.3	7331.4	6654.4	5486.3	4468.7	3676.7	3132.5	2650.3	2269.8	1968.9	1676.9
-15°	4884.6	4782.9	4552.8	4105.9	3588.2	3207.7	2827.2	2437.9	2137.0	1831.7	1610.5
-17.5°	3614.8	3610.4	3495.3	3327.2	3070.6	2787.4	2508.7	2260.9	1968.9	1707.8	1539.7
-20°	2995.4	2995.4	2929.0	2818.4	2637.0	2451.2	2265.3	2035.3	1796.3	1601.7	1530.9

REPORT NUMBER: P723739

CATALOG NUMBER: IFLD-M-SA4E-740-U-11-VI

CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
-22.5°	2544.1	2548.5	2513.1	2442.3	2345.0	2190.1	2008.7	1822.9	1650.3	1579.5	1557.4
-25°	2252.1	2243.2	2203.4	2137.0	2035.3	1911.4	1791.9	1668.0	1619.4	1601.7	1632.6
-27.5°	1906.9	1920.2	1902.5	1871.6	1805.2	1716.7	1690.1	1654.8	1663.6	1690.1	1809.6
-30°	1703.4	1716.7	1734.4	1747.7	1725.5	1703.4	1712.3	1738.8	1796.3	1898.1	1942.3
-32.5°	1703.4	1707.8	1734.4	1760.9	1774.2	1791.9	1840.6	1929.1	2013.1	1986.6	1977.7
-35°	1858.3	1845.0	1880.4	1915.8	1964.5	2026.4	2079.5	2061.8	2030.8	2022.0	2030.8
-37.5°	2300.7	2216.7	2181.3	2159.1	2145.9	2137.0	2123.7	2110.5	2097.2	2088.4	2101.6
-40°	2296.3	2274.2	2252.1	2234.4	2221.1	2203.4	2194.5	2190.1	2176.8	2168.0	2159.1
-42.5°	2287.5	2296.3	2296.3	2291.9	2296.3	2291.9	2278.6	2260.9	2238.8	2221.1	2203.4
-45°	2353.8	2358.2	2367.1	2375.9	2389.2	2371.5	2345.0	2314.0	2283.0	2256.5	2234.4
-47.5°	2393.6	2398.1	2406.9	2420.2	2429.0	2411.3	2375.9	2336.1	2287.5	2243.2	2199.0
-50°	2406.9	2420.2	2424.6	2424.6	2420.2	2398.1	2345.0	2287.5	2234.4	2190.1	2150.3
-52.5°	2345.0	2358.2	2362.7	2353.8	2349.4	2327.3	2278.6	2225.5	2168.0	2137.0	2101.6
-55°	2243.2	2260.9	2274.2	2274.2	2274.2	2269.8	2225.5	2176.8	2132.6	2097.2	2061.8
-57.5°	2203.4	2234.4	2260.9	2265.3	2269.8	2274.2	2243.2	2194.5	2141.4	2088.4	2044.1
-60°	2349.4	2375.9	2389.2	2371.5	2358.2	2345.0	2296.3	2238.8	2185.7	2132.6	2048.5
-62.5°	2309.6	2353.8	2375.9	2362.7	2345.0	2322.8	2269.8	2203.4	2141.4	2083.9	1999.9
-65°	2181.3	2221.1	2247.6	2225.5	2199.0	2168.0	2119.3	2057.4	1999.9	1942.3	1867.1
-67.5°	1964.5	2022.0	2066.2	2017.6	1982.2	1942.3	1902.5	1849.4	1791.9	1725.5	1654.8
-70°	1623.8	1668.0	1707.8	1694.6	1685.7	1676.9	1650.3	1597.2	1548.6	1495.5	1433.5
-72.5°	1305.2	1345.0	1380.4	1358.3	1340.6	1314.1	1274.2	1216.7	1159.2	1101.7	1044.2
-75°	721.2	734.5	747.7	743.3	743.3	743.3	743.3	747.7	738.9	725.6	699.1
-77.5°	553.1	570.8	584.0	592.9	606.2	623.9	637.1	615.0	592.9	570.8	544.2
-80°	433.6	451.3	464.6	513.2	548.6	588.5	615.0	584.0	553.1	526.5	504.4
-82.5°	327.4	340.7	354.0	380.5	398.2	420.3	438.0	438.0	433.6	429.2	415.9
-85°	238.9	256.6	274.3	283.2	296.4	296.4	300.9	283.2	265.5	252.2	234.5
-87.5°	137.2	141.6	141.6	141.6	146.0	146.0	146.0	137.2	132.7	123.9	119.5
-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: P723739

CATALOG NUMBER: IFLD-M-SA4E-740-U-11-VI

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°	4.4	4.4	4.4	8.8	8.8	13.3	13.3	17.7	17.7	22.1	22.1
85°	26.5	26.5	26.5	31.0	31.0	35.4	39.8	44.2	48.7	48.7	53.1
82.5°	44.2	48.7	53.1	57.5	61.9	66.4	70.8	75.2	88.5	97.3	101.8
80°	44.2	48.7	61.9	70.8	79.6	88.5	88.5	88.5	88.5	92.9	101.8
77.5°	31.0	35.4	39.8	48.7	70.8	88.5	101.8	110.6	101.8	97.3	88.5
75°	17.7	22.1	26.5	31.0	44.2	61.9	84.1	106.2	123.9	119.5	110.6
72.5°	17.7	17.7	22.1	26.5	31.0	35.4	39.8	61.9	88.5	110.6	123.9
70°	17.7	22.1	22.1	26.5	31.0	35.4	39.8	48.7	61.9	88.5	115.0
67.5°	17.7	22.1	22.1	31.0	39.8	44.2	48.7	44.2	39.8	57.5	84.1
65°	17.7	17.7	22.1	26.5	31.0	35.4	48.7	48.7	44.2	44.2	44.2
62.5°	26.5	26.5	26.5	26.5	31.0	31.0	31.0	39.8	39.8	39.8	39.8
60°	53.1	48.7	48.7	48.7	48.7	39.8	39.8	39.8	35.4	39.8	35.4
57.5°	128.3	106.2	97.3	97.3	84.1	79.6	66.4	48.7	48.7	39.8	39.8
55°	261.0	247.8	208.0	172.6	154.9	137.2	106.2	88.5	66.4	53.1	48.7
52.5°	402.6	367.2	331.8	287.6	243.3	208.0	177.0	137.2	110.6	79.6	61.9
50°	526.5	495.5	455.7	407.1	349.5	305.3	261.0	208.0	163.7	123.9	88.5
47.5°	716.8	654.8	606.2	548.6	482.3	420.3	362.8	300.9	230.1	181.4	137.2
45°	920.3	831.8	765.4	712.3	623.9	539.8	473.4	407.1	323.0	238.9	185.8
42.5°	1061.9	995.5	907.0	836.2	756.6	668.1	579.6	508.8	420.3	323.0	238.9
40°	1137.1	1092.8	1022.1	960.1	876.0	778.7	685.8	615.0	522.1	415.9	300.9
37.5°	1194.6	1172.5	1137.1	1088.4	1008.8	893.7	800.8	716.8	637.1	513.2	389.4
35°	1261.0	1256.6	1234.4	1212.3	1145.9	1035.3	924.7	827.4	730.0	615.0	477.8
32.5°	1322.9	1318.5	1305.2	1296.4	1269.8	1172.5	1053.0	942.4	831.8	712.3	561.9
30°	1353.9	1345.0	1345.0	1353.9	1327.3	1265.4	1176.9	1057.4	933.6	792.0	650.4
27.5°	1353.9	1345.0	1349.5	1362.7	1358.3	1327.3	1261.0	1163.6	1026.5	867.2	730.0
25°	1296.4	1340.6	1340.6	1358.3	1362.7	1353.9	1318.5	1256.6	1115.0	946.8	792.0
22.5°	1216.7	1322.9	1362.7	1358.3	1362.7	1384.9	1389.3	1331.8	1199.0	1026.5	853.9
20°	1216.7	1291.9	1407.0	1376.0	1384.9	1433.5	1455.7	1407.0	1287.5	1101.7	915.9
17.5°	1243.3	1291.9	1389.3	1438.0	1451.2	1491.0	1526.4	1495.5	1367.2	1181.3	999.9
15°	1318.5	1309.6	1376.0	1495.5	1517.6	1548.6	1588.4	1553.0	1438.0	1269.8	1079.6
12.5°	1371.6	1322.9	1376.0	1504.3	1575.1	1606.1	1619.4	1592.8	1499.9	1349.5	1159.2
10°	1442.4	1358.3	1384.9	1495.5	1597.2	1619.4	1632.6	1623.8	1557.4	1415.8	1230.0
7.5°	1495.5	1376.0	1376.0	1482.2	1619.4	1637.1	1645.9	1654.8	1606.1	1473.3	1291.9
5°	1517.6	1376.0	1367.2	1468.9	1641.5	1659.2	1659.2	1672.5	1641.5	1517.6	1336.2
2.5°	1522.0	1371.6	1358.3	1460.1	1681.3	1681.3	1672.5	1685.7	1668.0	1544.1	1367.2
0°	1544.1	1367.2	1353.9	1473.3	1725.5	1707.8	1685.7	1690.1	1681.3	1557.4	1384.9
-2.5°	1544.1	1389.3	1371.6	1482.2	1721.1	1716.7	1707.8	1712.3	1703.4	1597.2	1420.3
-5°	1566.3	1420.3	1402.6	1522.0	1716.7	1730.0	1734.4	1734.4	1721.1	1623.8	1442.4
-7.5°	1570.7	1442.4	1438.0	1561.8	1725.5	1747.7	1760.9	1769.8	1743.2	1641.5	1460.1
-10°	1548.6	1451.2	1473.3	1610.5	1734.4	1765.4	1791.9	1805.2	1760.9	1650.3	1468.9
-12.5°	1499.9	1451.2	1508.7	1672.5	1756.5	1791.9	1831.7	1836.2	1778.6	1654.8	1473.3
-15°	1495.5	1486.6	1570.7	1734.4	1769.8	1814.0	1876.0	1862.7	1791.9	1654.8	1473.3
-17.5°	1491.0	1535.3	1663.6	1756.5	1791.9	1840.6	1889.2	1876.0	1800.8	1654.8	1464.5
-20°	1530.9	1614.9	1774.2	1778.6	1818.5	1871.6	1898.1	1871.6	1787.5	1641.5	1451.2

REPORT NUMBER: P723739

CATALOG NUMBER: IFLD-M-SA4E-740-U-11-VI

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
-22.5°	1597.2	1756.5	1809.6	1827.3	1862.7	1902.5	1915.8	1876.0	1774.2	1619.4	1429.1
-25°	1765.4	1845.0	1845.0	1884.8	1920.2	1937.9	1924.6	1880.4	1756.5	1597.2	1407.0
-27.5°	1893.7	1889.2	1911.4	1951.2	1982.2	1982.2	1946.8	1858.3	1730.0	1575.1	1376.0
-30°	1942.3	1946.8	1977.7	2022.0	2030.8	2008.7	1955.6	1840.6	1707.8	1539.7	1336.2
-32.5°	1991.0	2008.7	2048.5	2070.7	2075.1	2030.8	1933.5	1809.6	1672.5	1499.9	1291.9
-35°	2048.5	2083.9	2106.0	2110.5	2088.4	2013.1	1902.5	1769.8	1619.4	1442.4	1252.1
-37.5°	2123.7	2141.4	2154.7	2137.0	2075.1	1986.6	1849.4	1716.7	1570.7	1380.4	1194.6
-40°	2172.4	2181.3	2185.7	2128.2	2053.0	1924.6	1791.9	1654.8	1486.6	1309.6	1132.7
-42.5°	2203.4	2194.5	2159.1	2097.2	1986.6	1862.7	1734.4	1579.5	1411.4	1238.9	1066.3
-45°	2194.5	2163.6	2110.5	2035.3	1920.2	1796.3	1645.9	1491.0	1331.8	1163.6	991.1
-47.5°	2159.1	2110.5	2044.1	1955.6	1849.4	1699.0	1548.6	1398.1	1243.3	1079.6	920.3
-50°	2114.9	2057.4	1977.7	1867.1	1725.5	1588.4	1451.2	1305.2	1145.9	995.5	853.9
-52.5°	2066.2	2004.3	1902.5	1778.6	1623.8	1482.2	1349.5	1207.9	1061.9	920.3	796.4
-55°	2013.1	1951.2	1836.2	1694.6	1539.7	1384.9	1256.6	1137.1	995.5	858.3	747.7
-57.5°	1986.6	1906.9	1787.5	1645.9	1482.2	1322.9	1212.3	1084.0	955.7	814.1	707.9
-60°	1964.5	1884.8	1774.2	1610.5	1455.7	1305.2	1176.9	1053.0	915.9	783.1	676.9
-62.5°	1902.5	1818.5	1716.7	1557.4	1407.0	1269.8	1154.8	1008.8	876.0	752.2	654.8
-65°	1778.6	1690.1	1601.7	1460.1	1322.9	1194.6	1079.6	946.8	823.0	716.8	632.7
-67.5°	1584.0	1508.7	1429.1	1309.6	1194.6	1079.6	973.4	858.3	756.6	681.4	637.1
-70°	1367.2	1287.5	1207.9	1110.5	1013.2	920.3	836.2	752.2	685.8	646.0	610.6
-72.5°	995.5	960.1	920.3	845.1	765.4	707.9	668.1	632.7	584.0	548.6	526.5
-75°	663.7	615.0	553.1	526.5	530.9	522.1	500.0	473.4	451.3	438.0	407.1
-77.5°	517.7	491.1	460.1	429.2	415.9	402.6	384.9	362.8	345.1	314.1	269.9
-80°	477.8	455.7	433.6	411.5	389.4	358.4	323.0	287.6	269.9	256.6	252.2
-82.5°	393.8	367.2	340.7	318.6	287.6	265.5	243.3	225.6	225.6	221.2	216.8
-85°	225.6	216.8	203.5	194.7	185.8	172.6	159.3	150.4	146.0	141.6	137.2
-87.5°	115.0	110.6	101.8	97.3	92.9	88.5	79.6	75.2	70.8	70.8	66.4
-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: P723739

CATALOG NUMBER: IFLD-M-SA4E-740-U-11-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°	22.1	22.1	17.7	17.7	17.7	13.3	8.8	8.8	4.4	4.4	0.0
85°	53.1	44.2	39.8	35.4	35.4	26.5	17.7	13.3	8.8	4.4	4.4
82.5°	101.8	88.5	75.2	66.4	53.1	39.8	31.0	22.1	13.3	8.8	4.4
80°	115.0	115.0	110.6	92.9	75.2	57.5	39.8	26.5	17.7	13.3	8.8
77.5°	88.5	97.3	97.3	97.3	92.9	70.8	48.7	31.0	17.7	13.3	8.8
75°	101.8	88.5	84.1	88.5	84.1	70.8	57.5	35.4	22.1	17.7	8.8
72.5°	123.9	106.2	92.9	88.5	79.6	66.4	53.1	39.8	22.1	17.7	13.3
70°	115.0	110.6	101.8	92.9	79.6	66.4	53.1	39.8	26.5	17.7	13.3
67.5°	101.8	101.8	101.8	92.9	79.6	61.9	48.7	35.4	26.5	17.7	13.3
65°	70.8	84.1	92.9	88.5	79.6	61.9	48.7	35.4	26.5	22.1	13.3
62.5°	44.2	57.5	75.2	84.1	75.2	61.9	44.2	35.4	26.5	22.1	13.3
60°	39.8	44.2	53.1	66.4	70.8	57.5	44.2	31.0	26.5	22.1	13.3
57.5°	39.8	39.8	44.2	53.1	57.5	53.1	39.8	26.5	26.5	22.1	17.7
55°	44.2	39.8	39.8	44.2	48.7	48.7	39.8	26.5	26.5	22.1	17.7
52.5°	53.1	44.2	39.8	39.8	39.8	44.2	35.4	26.5	26.5	22.1	17.7
50°	66.4	53.1	48.7	39.8	39.8	39.8	35.4	26.5	22.1	22.1	17.7
47.5°	88.5	70.8	53.1	48.7	39.8	35.4	31.0	26.5	22.1	22.1	17.7
45°	132.7	84.1	70.8	53.1	44.2	39.8	35.4	26.5	22.1	22.1	17.7
42.5°	181.4	123.9	88.5	61.9	48.7	39.8	35.4	31.0	22.1	22.1	17.7
40°	230.1	168.1	110.6	79.6	57.5	44.2	35.4	31.0	26.5	22.1	17.7
37.5°	283.2	208.0	146.0	101.8	66.4	48.7	39.8	31.0	26.5	22.1	17.7
35°	349.5	261.0	181.4	123.9	79.6	57.5	44.2	31.0	26.5	22.1	17.7
32.5°	424.7	309.7	216.8	150.4	101.8	70.8	48.7	35.4	26.5	22.1	17.7
30°	495.5	367.2	256.6	181.4	123.9	79.6	53.1	35.4	26.5	22.1	13.3
27.5°	566.3	424.7	305.3	212.4	150.4	92.9	57.5	39.8	26.5	22.1	17.7
25°	637.1	482.3	354.0	243.3	172.6	110.6	70.8	44.2	26.5	22.1	17.7
22.5°	699.1	539.8	398.2	278.7	199.1	128.3	79.6	48.7	31.0	22.1	17.7
20°	769.9	601.7	446.9	318.6	221.2	146.0	88.5	53.1	31.0	22.1	17.7
17.5°	836.2	663.7	495.5	354.0	247.8	163.7	101.8	57.5	35.4	22.1	17.7
15°	902.6	721.2	539.8	389.4	274.3	181.4	110.6	61.9	39.8	22.1	17.7
12.5°	964.5	774.3	579.6	420.3	296.4	199.1	119.5	66.4	44.2	22.1	17.7
10°	1022.1	823.0	619.4	446.9	318.6	212.4	128.3	75.2	48.7	22.1	17.7
7.5°	1079.6	862.8	650.4	473.4	345.1	230.1	137.2	79.6	53.1	26.5	17.7
5°	1115.0	898.2	676.9	495.5	367.2	247.8	146.0	84.1	57.5	26.5	17.7
2.5°	1145.9	924.7	694.6	517.7	389.4	261.0	146.0	88.5	61.9	26.5	17.7
0°	1163.6	942.4	707.9	530.9	407.1	269.9	150.4	92.9	66.4	26.5	17.7
-2.5°	1203.5	973.4	738.9	548.6	424.7	296.4	159.3	97.3	70.8	31.0	17.7
-5°	1230.0	991.1	761.0	566.3	438.0	323.0	172.6	106.2	79.6	39.8	22.1
-7.5°	1252.1	1008.8	778.7	575.2	451.3	331.8	177.0	110.6	84.1	44.2	22.1
-10°	1256.6	1017.6	792.0	588.5	460.1	345.1	181.4	115.0	88.5	48.7	22.1
-12.5°	1261.0	1026.5	796.4	597.3	469.0	354.0	185.8	119.5	92.9	53.1	22.1
-15°	1256.6	1022.1	796.4	606.2	473.4	345.1	194.7	123.9	97.3	57.5	22.1
-17.5°	1247.7	1017.6	792.0	601.7	469.0	336.3	199.1	132.7	97.3	61.9	26.5
-20°	1234.4	1004.4	783.1	597.3	464.6	327.4	203.5	137.2	101.8	61.9	26.5



REPORT NUMBER: P723739

CATALOG NUMBER: IFLD-M-SA4E-740-U-11-VI

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
-22.5°	1212.3	982.2	765.4	584.0	455.7	318.6	203.5	146.0	106.2	61.9	26.5
-25°	1185.8	960.1	747.7	566.3	442.4	305.3	203.5	150.4	110.6	61.9	26.5
-27.5°	1154.8	938.0	721.2	553.1	424.7	296.4	203.5	154.9	115.0	61.9	26.5
-30°	1119.4	907.0	699.1	530.9	411.5	296.4	208.0	159.3	119.5	61.9	26.5
-32.5°	1084.0	876.0	672.5	513.2	393.8	292.0	208.0	163.7	123.9	57.5	31.0
-35°	1044.2	840.6	650.4	500.0	380.5	283.2	212.4	163.7	119.5	57.5	31.0
-37.5°	995.5	796.4	628.3	486.7	371.7	274.3	212.4	168.1	115.0	57.5	31.0
-40°	942.4	761.0	601.7	469.0	358.4	269.9	212.4	168.1	110.6	57.5	35.4
-42.5°	884.9	721.2	575.2	451.3	345.1	265.5	212.4	168.1	106.2	57.5	35.4
-45°	831.8	681.4	544.2	429.2	331.8	265.5	212.4	163.7	97.3	61.9	35.4
-47.5°	774.3	637.1	508.8	407.1	327.4	261.0	208.0	154.9	88.5	61.9	35.4
-50°	725.6	592.9	482.3	384.9	318.6	265.5	212.4	141.6	88.5	61.9	35.4
-52.5°	676.9	561.9	451.3	376.1	309.7	269.9	208.0	132.7	88.5	61.9	35.4
-55°	637.1	530.9	433.6	362.8	318.6	278.7	199.1	119.5	88.5	61.9	35.4
-57.5°	606.2	513.2	420.3	367.2	331.8	269.9	185.8	115.0	88.5	57.5	35.4
-60°	584.0	495.5	424.7	384.9	336.3	256.6	177.0	115.0	88.5	57.5	31.0
-62.5°	566.3	500.0	446.9	398.2	318.6	238.9	168.1	115.0	79.6	53.1	31.0
-65°	570.8	517.7	455.7	380.5	305.3	221.2	154.9	110.6	75.2	48.7	31.0
-67.5°	584.0	504.4	429.2	358.4	274.3	199.1	141.6	101.8	70.8	48.7	31.0
-70°	539.8	464.6	389.4	305.3	234.5	172.6	132.7	92.9	61.9	44.2	31.0
-72.5°	486.7	389.4	309.7	247.8	199.1	159.3	119.5	84.1	57.5	39.8	26.5
-75°	354.0	283.2	230.1	208.0	177.0	141.6	106.2	75.2	53.1	39.8	26.5
-77.5°	252.2	234.5	212.4	190.3	159.3	123.9	92.9	70.8	48.7	35.4	22.1
-80°	247.8	225.6	199.1	163.7	132.7	106.2	79.6	61.9	44.2	31.0	17.7
-82.5°	208.0	177.0	150.4	123.9	101.8	84.1	66.4	48.7	35.4	22.1	13.3
-85°	128.3	110.6	97.3	84.1	70.8	57.5	44.2	31.0	22.1	13.3	8.8
-87.5°	61.9	57.5	48.7	39.8	35.4	26.5	22.1	17.7	13.3	8.8	4.4
-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: P723739

CATALOG NUMBER: IFLD-M-SA4E-740-U-11-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°	4.4	0.0	0.0	0.0
80°	4.4	0.0	0.0	0.0
77.5°	4.4	0.0	0.0	0.0
75°	4.4	4.4	0.0	0.0
72.5°	4.4	4.4	0.0	0.0
70°	8.8	4.4	4.4	0.0
67.5°	8.8	4.4	4.4	0.0
65°	8.8	4.4	4.4	0.0
62.5°	8.8	4.4	4.4	0.0
60°	8.8	4.4	4.4	0.0
57.5°	8.8	4.4	4.4	0.0
55°	8.8	4.4	4.4	0.0
52.5°	8.8	4.4	4.4	0.0
50°	8.8	4.4	4.4	0.0
47.5°	8.8	8.8	4.4	0.0
45°	8.8	8.8	4.4	0.0
42.5°	8.8	8.8	4.4	0.0
40°	8.8	8.8	4.4	0.0
37.5°	8.8	8.8	4.4	0.0
35°	8.8	8.8	4.4	0.0
32.5°	13.3	8.8	4.4	0.0
30°	13.3	8.8	8.8	0.0
27.5°	13.3	8.8	8.8	0.0
25°	13.3	8.8	8.8	0.0
22.5°	13.3	8.8	8.8	0.0
20°	13.3	8.8	8.8	0.0
17.5°	13.3	8.8	8.8	0.0
15°	13.3	8.8	8.8	0.0
12.5°	13.3	8.8	8.8	0.0
10°	13.3	8.8	8.8	0.0
7.5°	13.3	8.8	8.8	0.0
5°	13.3	8.8	8.8	0.0
2.5°	13.3	8.8	8.8	0.0
0°	13.3	8.8	8.8	0.0
-2.5°	13.3	8.8	8.8	0.0
-5°	13.3	8.8	8.8	0.0
-7.5°	13.3	8.8	8.8	0.0
-10°	13.3	8.8	8.8	0.0
-12.5°	17.7	8.8	8.8	0.0
-15°	17.7	8.8	8.8	0.0
-17.5°	17.7	8.8	8.8	0.0
-20°	17.7	8.8	8.8	0.0



REPORT NUMBER: P723739

CATALOG NUMBER: IFLD-M-SA4E-740-U-11-VI

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	17.7	8.8	8.8	0.0
-25°	17.7	8.8	8.8	0.0
-27.5°	17.7	8.8	8.8	0.0
-30°	17.7	8.8	8.8	0.0
-32.5°	17.7	8.8	8.8	0.0
-35°	17.7	8.8	8.8	0.0
-37.5°	17.7	8.8	8.8	0.0
-40°	17.7	8.8	8.8	0.0
-42.5°	13.3	8.8	4.4	0.0
-45°	17.7	8.8	4.4	0.0
-47.5°	17.7	8.8	4.4	0.0
-50°	17.7	8.8	4.4	0.0
-52.5°	17.7	8.8	4.4	0.0
-55°	17.7	8.8	4.4	0.0
-57.5°	17.7	8.8	4.4	0.0
-60°	17.7	8.8	4.4	0.0
-62.5°	17.7	8.8	4.4	0.0
-65°	17.7	8.8	4.4	0.0
-67.5°	17.7	8.8	4.4	0.0
-70°	17.7	4.4	4.4	0.0
-72.5°	13.3	4.4	4.4	0.0
-75°	13.3	4.4	4.4	0.0
-77.5°	8.8	4.4	0.0	0.0
-80°	8.8	4.4	0.0	0.0
-82.5°	8.8	4.4	0.0	0.0
-85°	4.4	0.0	0.0	0.0
-87.5°	4.4	0.0	0.0	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)