

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: P723658

Luminaire Tested: **IFLD-L-SA8A-727-U-11-VI**

Issue Date: 01/11/2023

Test Information

Test Method: LM-79-2019
Report Number: P723658
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/11/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8A-727-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (128) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	1H x 1V
Luminaire Lumens:	15166.2 lumens	Max Intensity:	356807.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	61.2 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 1' 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:	5499.9 lumens	Field Lumens:	8767.9 lumens
Beam Efficiency:	36.3%	Field Efficiency:	57.8%

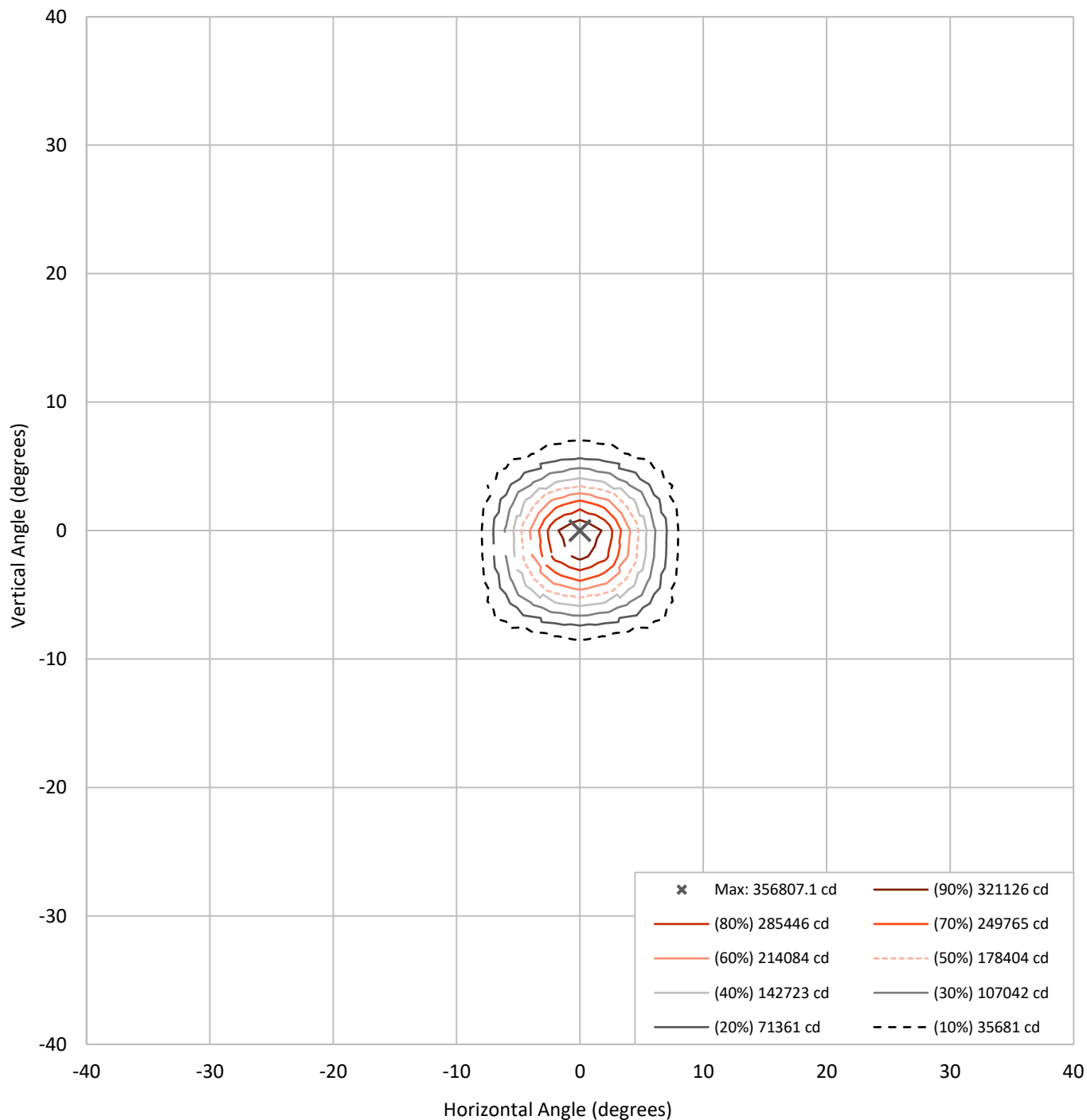
Input Watts (W): 247.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P723658

CATALOG NUMBER: IFLD-L-SA8A-727-U-11-VI

Iso-Candela Plot



REPORT NUMBER: P723658

CATALOG NUMBER: IFLD-L-SA8A-727-U-11-VI

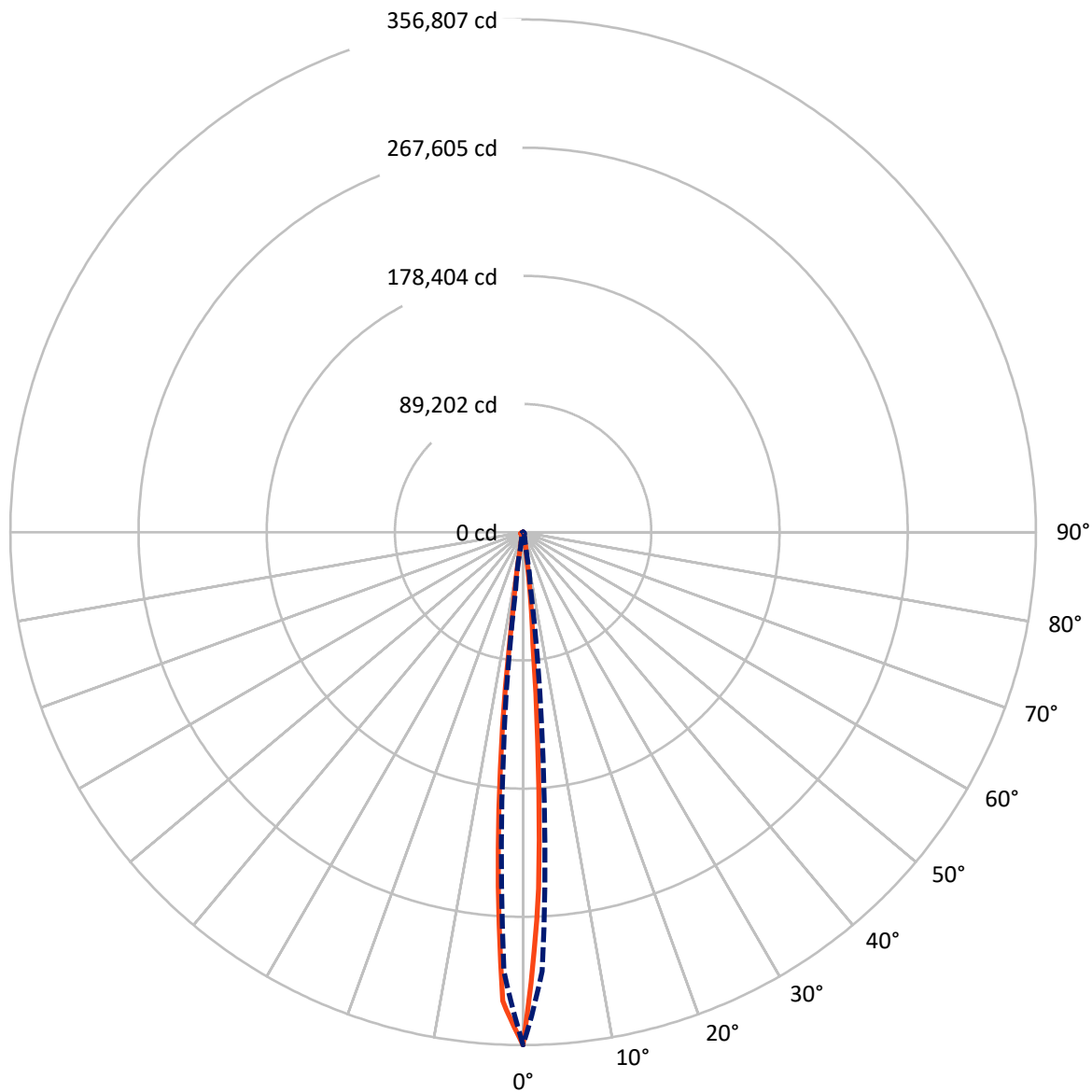
Lumen Table

Vertical Angle (degrees)	Horizontal Angle (degrees)																	
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80
90	0.3		3.4		3.7		1.4		0.4		1.4		3.7		3.4		0.3	
80	0.3		3.4		3.7		1.4		0.4		1.4		3.7		3.4		0.3	
70	0.4		0.8	1.0	0.7	0.6	0.5	0.4	0.2	0.2	0.4	0.5	0.6	0.7	1.0	0.8	0.4	
60	0.4		0.5	0.7	1.8	3.9	6.4	8.2	9.4	9.4	8.2	6.4	3.9	1.8	0.7	0.5	0.4	
50	0.4		0.5	2.1	6.9	13.6	19.9	23.9	26.5	26.5	23.9	19.9	13.6	6.9	2.1	0.5	0.4	
40	0.4		1.0	5.3	14.2	23.1	27.1	29.3	30.3	30.3	29.3	27.1	23.1	14.2	5.3	1.0	0.4	
30	0.6		2.0	9.0	20.7	26.7	27.5	32.5	39.1	39.1	32.5	27.5	26.7	20.7	9.0	2.0	0.6	
20	0.6		3.1	12.6	25.4	28.5	32.1	56.5	96.3	96.3	56.5	32.1	28.5	25.4	12.6	3.1	0.6	
10	1.0		4.0	15.5	27.9	29.5	39.7	107.4	1991.0	1991.0	107.4	39.7	29.5	27.9	15.5	4.0	1.0	
0	1.0		4.7	16.9	29.3	30.6	41.0	115.7	2903.0	2903.0	115.7	41.0	30.6	29.3	16.9	4.7	1.0	
-10	1.5		5.0	17.4	30.8	33.2	37.0	67.3	129.1	129.1	67.3	37.0	33.2	30.8	17.4	5.0	1.5	
-20	1.5		4.7	16.5	31.2	37.2	37.3	43.6	53.2	53.2	43.6	37.3	37.2	31.2	16.5	4.7	1.5	
-30	1.6		4.2	14.6	29.9	40.9	44.6	46.4	46.8	46.8	46.4	44.6	40.9	29.9	14.6	4.2	1.6	
-40	1.6		3.7	11.7	25.3	39.5	48.0	53.8	56.4	56.4	53.8	48.0	39.5	25.3	11.7	3.7	1.6	
-50	1.3		3.3	9.1	19.6	33.7	45.2	52.5	55.6	55.6	52.5	45.2	33.7	19.6	9.1	3.3	1.3	
-60	1.3		3.1	8.0	16.0	28.1	39.5	47.8	51.7	51.7	47.8	39.5	28.1	16.0	8.0	3.1	1.3	
-70	0.6		9.4		27.9		51.8		57.1		51.8		27.9		9.4		0.6	
-80	0.6		9.4		27.9		51.8		57.1		51.8		27.9		9.4		0.6	
-90	0.3		3.4		3.7		1.4		0.4		1.4		3.7		3.4		0.3	

REPORT NUMBER: P723658

CATALOG NUMBER: IFLD-L-SA8A-727-U-11-VI

Luminous Intensity Polar Plot



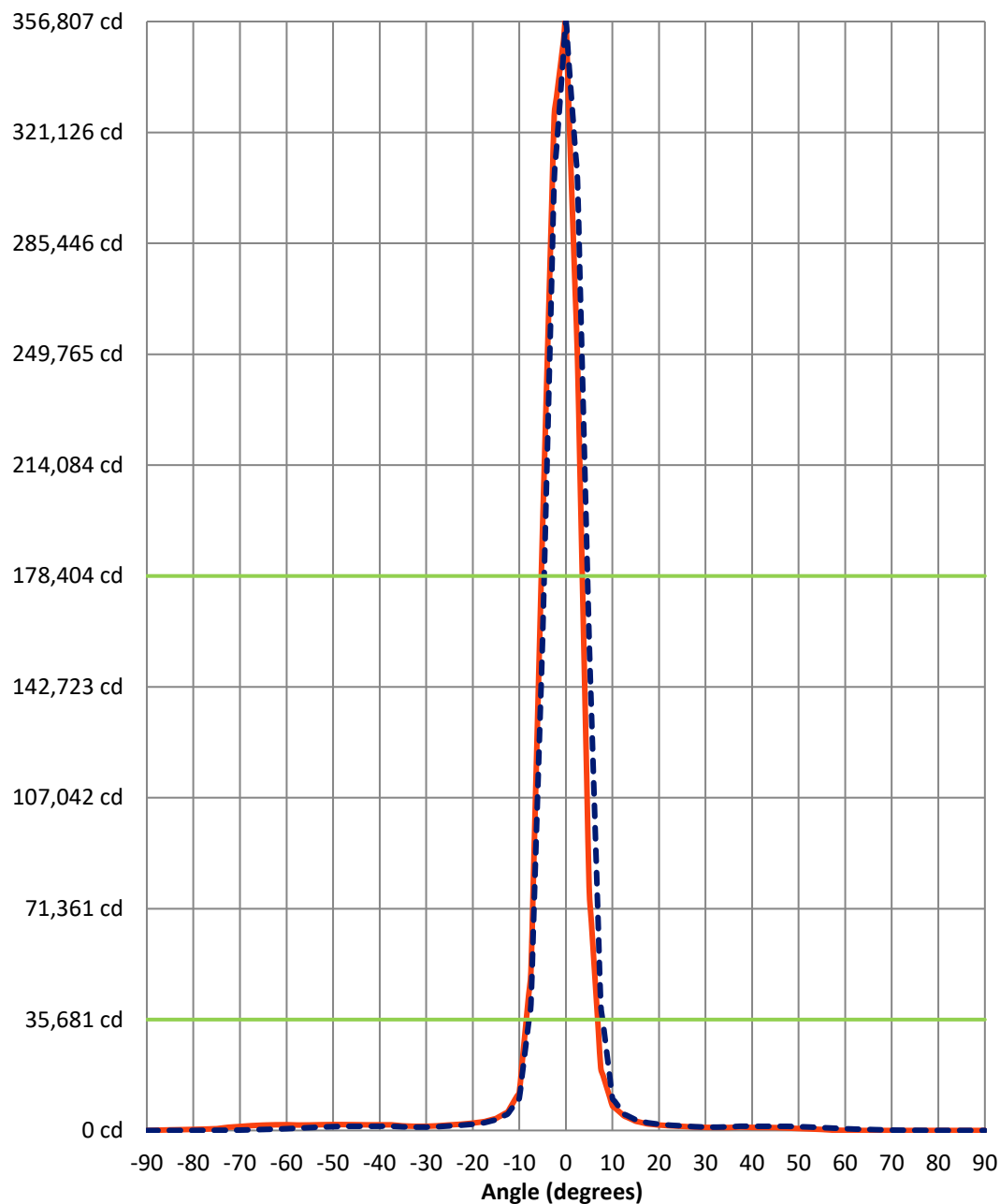
— Vertical Distribution Through 0-Deg

- - - Horizontal Distribution Through 0-Deg

REPORT NUMBER: P723658

CATALOG NUMBER: IFLD-L-SA8A-727-U-11-VI

Luminous Intensity Plot



Beam:

H Angle: 9.3°

V Angle: 8.8°

Lumens: 5499.9

Efficiency: 36.3%

Field:

H Angle: 15.8°

V Angle: 15.3°

Lumens: 8767.9

Efficiency: 57.8%

Spill:

Lumens: 6398.3

Efficiency: 42.2%

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

REPORT NUMBER: P723658

CATALOG NUMBER: IFLD-L-SA8A-727-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	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
85°	0.0	3.5	3.5	7.0	7.0	7.0	10.5	14.0	17.5	17.5	21.0
82.5°	0.0	3.5	3.5	7.0	7.0	10.5	10.5	17.5	21.0	24.5	31.5
80°	3.5	3.5	3.5	7.0	7.0	10.5	10.5	14.0	17.5	24.5	28.0
77.5°	0.0	3.5	3.5	3.5	7.0	7.0	7.0	10.5	14.0	17.5	21.0
75°	0.0	3.5	3.5	3.5	7.0	7.0	7.0	7.0	10.5	10.5	14.0
72.5°	0.0	0.0	0.0	3.5	3.5	7.0	7.0	7.0	10.5	10.5	10.5
70°	0.0	0.0	0.0	3.5	3.5	7.0	7.0	7.0	10.5	10.5	10.5
67.5°	0.0	0.0	0.0	3.5	3.5	7.0	7.0	7.0	10.5	10.5	10.5
65°	0.0	0.0	0.0	3.5	3.5	7.0	7.0	10.5	10.5	10.5	10.5
62.5°	3.5	3.5	3.5	7.0	10.5	10.5	14.0	17.5	17.5	17.5	17.5
60°	35.0	38.5	42.0	42.0	38.5	38.5	42.0	42.0	42.0	42.0	42.0
57.5°	94.5	101.5	105.0	105.0	105.0	101.5	115.5	119.0	105.0	98.0	108.5
55°	329.1	339.6	332.6	322.1	301.1	276.6	269.6	266.1	269.6	252.1	224.1
52.5°	479.6	490.1	486.6	479.6	465.6	448.1	434.1	420.1	406.1	378.1	346.6
50°	623.2	626.7	623.2	616.2	602.2	584.7	556.7	525.2	497.2	490.1	462.1
47.5°	784.2	794.7	794.7	791.2	780.7	749.2	707.2	661.7	640.7	633.7	605.7
45°	927.8	934.8	938.3	941.8	938.3	906.8	868.3	843.8	798.2	784.2	784.2
42.5°	966.3	969.8	973.3	976.8	987.3	962.8	931.3	889.3	878.8	875.3	868.3
40°	980.3	973.3	976.8	980.3	983.8	966.3	941.8	917.3	910.3	903.3	903.3
37.5°	1113.3	1081.8	1057.3	1036.3	1018.8	1001.3	976.8	955.8	938.3	924.3	938.3
35°	948.8	948.8	973.3	994.3	1015.3	1036.3	1039.8	1015.3	976.8	959.3	983.8
32.5°	969.8	969.8	969.8	976.8	983.8	1001.3	1018.8	1029.3	1057.3	1025.8	1025.8
30°	990.8	994.3	1001.3	1004.8	994.3	987.3	980.3	980.3	997.8	1043.3	1067.8
27.5°	1113.3	1113.3	1102.8	1088.8	1057.3	1008.3	983.8	948.8	952.3	973.3	1032.8
25°	1312.9	1305.9	1281.4	1246.4	1190.4	1120.3	1053.8	980.3	948.8	938.3	962.8
22.5°	1502.0	1491.5	1459.9	1428.4	1382.9	1312.9	1200.9	1088.8	990.8	948.8	938.3
20°	1743.5	1719.0	1684.0	1635.0	1561.5	1491.5	1393.4	1246.4	1102.8	994.3	952.3
17.5°	2132.1	2100.6	2034.1	1946.6	1820.6	1712.0	1572.0	1431.9	1270.9	1095.8	1001.3
15°	2982.9	2902.4	2786.8	2545.3	2296.7	2090.1	1880.1	1645.5	1480.9	1249.9	1106.3
12.5°	4691.4	4470.9	4134.8	3571.1	3014.4	2534.8	2195.2	1894.1	1628.0	1414.4	1211.4
10°	7940.4	7467.8	6540.0	4999.5	3973.7	3091.4	2482.3	2079.6	1743.5	1523.0	1298.9
7.5°	20082.1	16381.5	11592.0	7915.9	5199.1	3777.6	2839.4	2254.7	1866.1	1593.0	1368.9
5°	78269.7	64475.5	34394.4	14354.3	7821.4	4568.9	3161.5	2394.7	1946.6	1645.5	1421.4
2.5°	248403.7	214513.5	112545.1	30900.4	9603.4	5146.6	3382.0	2482.3	1992.1	1684.0	1459.9
0°	356807.1	305796.6	157950.3	40640.3	10415.7	5293.6	3452.0	2499.8	1999.1	1691.0	1459.9
-2.5°	326417.9	285679.5	152579.7	37818.5	10643.2	5335.6	3508.1	2559.3	2051.6	1722.5	1470.4
-5°	193955.2	170127.0	106435.7	26965.2	9456.4	4954.0	3361.0	2506.8	2016.6	1705.0	1463.4
-7.5°	51101.5	44239.4	29100.8	14070.8	6119.9	4190.8	3087.9	2419.2	1971.1	1673.5	1435.4
-10°	12320.2	11676.0	10429.7	6392.9	4764.9	3501.1	2737.8	2261.7	1880.1	1631.5	1389.9
-12.5°	5941.3	5801.3	5265.6	4341.3	3536.1	2909.4	2478.8	2097.1	1796.0	1558.0	1326.9
-15°	3865.2	3784.6	3602.6	3249.0	2839.4	2538.3	2237.2	1929.1	1691.0	1449.4	1274.4
-17.5°	2860.4	2856.9	2765.8	2632.8	2429.7	2205.7	1985.1	1789.0	1558.0	1351.4	1218.4
-20°	2370.2	2370.2	2317.7	2230.2	2086.6	1939.6	1792.5	1610.5	1421.4	1267.4	1211.4

REPORT NUMBER: P723658

CATALOG NUMBER: IFLD-L-SA8A-727-U-11-VI

CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
-22.5°	2013.1	2016.6	1988.6	1932.6	1855.6	1733.0	1589.5	1442.4	1305.9	1249.9	1232.4
-25°	1782.0	1775.0	1743.5	1691.0	1610.5	1512.5	1417.9	1319.9	1281.4	1267.4	1291.9
-27.5°	1509.0	1519.5	1505.5	1480.9	1428.4	1358.4	1337.4	1309.4	1316.4	1337.4	1431.9
-30°	1347.9	1358.4	1372.4	1382.9	1365.4	1347.9	1354.9	1375.9	1421.4	1502.0	1537.0
-32.5°	1347.9	1351.4	1372.4	1393.4	1403.9	1417.9	1456.4	1526.5	1593.0	1572.0	1565.0
-35°	1470.4	1459.9	1488.0	1516.0	1554.5	1603.5	1645.5	1631.5	1607.0	1600.0	1607.0
-37.5°	1820.6	1754.0	1726.0	1708.5	1698.0	1691.0	1680.5	1670.0	1659.5	1652.5	1663.0
-40°	1817.1	1799.5	1782.0	1768.0	1757.5	1743.5	1736.5	1733.0	1722.5	1715.5	1708.5
-42.5°	1810.0	1817.1	1817.1	1813.5	1817.1	1813.5	1803.0	1789.0	1771.5	1757.5	1743.5
-45°	1862.6	1866.1	1873.1	1880.1	1890.6	1876.6	1855.6	1831.1	1806.5	1785.5	1768.0
-47.5°	1894.1	1897.6	1904.6	1915.1	1922.1	1908.1	1880.1	1848.6	1810.0	1775.0	1740.0
-50°	1904.6	1915.1	1918.6	1918.6	1915.1	1897.6	1855.6	1810.0	1768.0	1733.0	1701.5
-52.5°	1855.6	1866.1	1869.6	1862.6	1859.1	1841.6	1803.0	1761.0	1715.5	1691.0	1663.0
-55°	1775.0	1789.0	1799.5	1799.5	1799.5	1796.0	1761.0	1722.5	1687.5	1659.5	1631.5
-57.5°	1743.5	1768.0	1789.0	1792.5	1796.0	1799.5	1775.0	1736.5	1694.5	1652.5	1617.5
-60°	1859.1	1880.1	1890.6	1876.6	1866.1	1855.6	1817.1	1771.5	1729.5	1687.5	1621.0
-62.5°	1827.6	1862.6	1880.1	1869.6	1855.6	1838.1	1796.0	1743.5	1694.5	1649.0	1582.5
-65°	1726.0	1757.5	1778.5	1761.0	1740.0	1715.5	1677.0	1628.0	1582.5	1537.0	1477.4
-67.5°	1554.5	1600.0	1635.0	1596.5	1568.5	1537.0	1505.5	1463.4	1417.9	1365.4	1309.4
-70°	1284.9	1319.9	1351.4	1340.9	1333.9	1326.9	1305.9	1263.9	1225.4	1183.4	1134.3
-72.5°	1032.8	1064.3	1092.3	1074.8	1060.8	1039.8	1008.3	962.8	917.3	871.8	826.3
-75°	570.7	581.2	591.7	588.2	588.2	588.2	588.2	591.7	584.7	574.2	553.2
-77.5°	437.6	451.6	462.1	469.1	479.6	493.6	504.2	486.6	469.1	451.6	430.6
-80°	343.1	357.1	367.6	406.1	434.1	465.6	486.6	462.1	437.6	416.6	399.1
-82.5°	259.1	269.6	280.1	301.1	315.1	332.6	346.6	346.6	343.1	339.6	329.1
-85°	189.1	203.1	217.1	224.1	234.6	234.6	238.1	224.1	210.1	199.6	185.6
-87.5°	108.5	112.0	112.0	112.0	115.5	115.5	115.5	108.5	105.0	98.0	94.5
-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: P723658

CATALOG NUMBER: IFLD-L-SA8A-727-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°	3.5	3.5	3.5	7.0	7.0	10.5	10.5	14.0	14.0	17.5	17.5
85°	21.0	21.0	21.0	24.5	24.5	28.0	31.5	35.0	38.5	38.5	42.0
82.5°	35.0	38.5	42.0	45.5	49.0	52.5	56.0	59.5	70.0	77.0	80.5
80°	35.0	38.5	49.0	56.0	63.0	70.0	70.0	70.0	70.0	73.5	80.5
77.5°	24.5	28.0	31.5	38.5	56.0	70.0	80.5	87.5	80.5	77.0	70.0
75°	14.0	17.5	21.0	24.5	35.0	49.0	66.5	84.0	98.0	94.5	87.5
72.5°	14.0	14.0	17.5	21.0	24.5	28.0	31.5	49.0	70.0	87.5	98.0
70°	14.0	17.5	17.5	21.0	24.5	28.0	31.5	38.5	49.0	70.0	91.0
67.5°	14.0	17.5	17.5	24.5	31.5	35.0	38.5	35.0	31.5	45.5	66.5
65°	14.0	14.0	17.5	21.0	24.5	28.0	38.5	38.5	35.0	35.0	35.0
62.5°	21.0	21.0	21.0	21.0	24.5	24.5	24.5	31.5	31.5	31.5	31.5
60°	42.0	38.5	38.5	38.5	38.5	31.5	31.5	31.5	28.0	31.5	28.0
57.5°	101.5	84.0	77.0	77.0	66.5	63.0	52.5	38.5	38.5	31.5	31.5
55°	206.6	196.1	164.5	136.5	122.5	108.5	84.0	70.0	52.5	42.0	38.5
52.5°	318.6	290.6	262.6	227.6	192.6	164.5	140.0	108.5	87.5	63.0	49.0
50°	416.6	392.1	360.6	322.1	276.6	241.6	206.6	164.5	129.5	98.0	70.0
47.5°	567.2	518.2	479.6	434.1	381.6	332.6	287.1	238.1	182.1	143.5	108.5
45°	728.2	658.2	605.7	563.7	493.6	427.1	374.6	322.1	255.6	189.1	147.0
42.5°	840.3	787.7	717.7	661.7	598.7	528.7	458.6	402.6	332.6	255.6	189.1
40°	899.8	864.8	808.7	759.7	693.2	616.2	542.7	486.6	413.1	329.1	238.1
37.5°	945.3	927.8	899.8	861.3	798.2	707.2	633.7	567.2	504.2	406.1	308.1
35°	997.8	994.3	976.8	959.3	906.8	819.2	731.7	654.7	577.7	486.6	378.1
32.5°	1046.8	1043.3	1032.8	1025.8	1004.8	927.8	833.3	745.7	658.2	563.7	444.6
30°	1071.3	1064.3	1064.3	1071.3	1050.3	1001.3	931.3	836.8	738.7	626.7	514.7
27.5°	1071.3	1064.3	1067.8	1078.3	1074.8	1050.3	997.8	920.8	812.2	686.2	577.7
25°	1025.8	1060.8	1060.8	1074.8	1078.3	1071.3	1043.3	994.3	882.3	749.2	626.7
22.5°	962.8	1046.8	1078.3	1074.8	1078.3	1095.8	1099.3	1053.8	948.8	812.2	675.7
20°	962.8	1022.3	1113.3	1088.8	1095.8	1134.3	1151.8	1113.3	1018.8	871.8	724.7
17.5°	983.8	1022.3	1099.3	1137.8	1148.3	1179.9	1207.9	1183.4	1081.8	934.8	791.2
15°	1043.3	1036.3	1088.8	1183.4	1200.9	1225.4	1256.9	1228.9	1137.8	1004.8	854.3
12.5°	1085.3	1046.8	1088.8	1190.4	1246.4	1270.9	1281.4	1260.4	1186.9	1067.8	917.3
10°	1141.3	1074.8	1095.8	1183.4	1263.9	1281.4	1291.9	1284.9	1232.4	1120.3	973.3
7.5°	1183.4	1088.8	1088.8	1172.9	1281.4	1295.4	1302.4	1309.4	1270.9	1165.9	1022.3
5°	1200.9	1088.8	1081.8	1162.4	1298.9	1312.9	1312.9	1323.4	1298.9	1200.9	1057.3
2.5°	1204.4	1085.3	1074.8	1155.3	1330.4	1330.4	1323.4	1333.9	1319.9	1221.9	1081.8
0°	1221.9	1081.8	1071.3	1165.9	1365.4	1351.4	1333.9	1337.4	1330.4	1232.4	1095.8
-2.5°	1221.9	1099.3	1085.3	1172.9	1361.9	1358.4	1351.4	1354.9	1347.9	1263.9	1123.8
-5°	1239.4	1123.8	1109.8	1204.4	1358.4	1368.9	1372.4	1372.4	1361.9	1284.9	1141.3
-7.5°	1242.9	1141.3	1137.8	1235.9	1365.4	1382.9	1393.4	1400.4	1379.4	1298.9	1155.3
-10°	1225.4	1148.3	1165.9	1274.4	1372.4	1396.9	1417.9	1428.4	1393.4	1305.9	1162.4
-12.5°	1186.9	1148.3	1193.9	1323.4	1389.9	1417.9	1449.4	1452.9	1407.4	1309.4	1165.9
-15°	1183.4	1176.4	1242.9	1372.4	1400.4	1435.4	1484.4	1473.9	1417.9	1309.4	1165.9
-17.5°	1179.9	1214.9	1316.4	1389.9	1417.9	1456.4	1495.0	1484.4	1424.9	1309.4	1158.9
-20°	1211.4	1277.9	1403.9	1407.4	1438.9	1480.9	1502.0	1480.9	1414.4	1298.9	1148.3

REPORT NUMBER: P723658

CATALOG NUMBER: IFLD-L-SA8A-727-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°	1263.9	1389.9	1431.9	1445.9	1473.9	1505.5	1516.0	1484.4	1403.9	1281.4	1130.8
-25°	1396.9	1459.9	1459.9	1491.5	1519.5	1533.5	1523.0	1488.0	1389.9	1263.9	1113.3
-27.5°	1498.5	1495.0	1512.5	1544.0	1568.5	1568.5	1540.5	1470.4	1368.9	1246.4	1088.8
-30°	1537.0	1540.5	1565.0	1600.0	1607.0	1589.5	1547.5	1456.4	1351.4	1218.4	1057.3
-32.5°	1575.5	1589.5	1621.0	1638.5	1642.0	1607.0	1530.0	1431.9	1323.4	1186.9	1022.3
-35°	1621.0	1649.0	1666.5	1670.0	1652.5	1593.0	1505.5	1400.4	1281.4	1141.3	990.8
-37.5°	1680.5	1694.5	1705.0	1691.0	1642.0	1572.0	1463.4	1358.4	1242.9	1092.3	945.3
-40°	1719.0	1726.0	1729.5	1684.0	1624.5	1523.0	1417.9	1309.4	1176.4	1036.3	896.3
-42.5°	1743.5	1736.5	1708.5	1659.5	1572.0	1473.9	1372.4	1249.9	1116.8	980.3	843.8
-45°	1736.5	1712.0	1670.0	1610.5	1519.5	1421.4	1302.4	1179.9	1053.8	920.8	784.2
-47.5°	1708.5	1670.0	1617.5	1547.5	1463.4	1344.4	1225.4	1106.3	983.8	854.3	728.2
-50°	1673.5	1628.0	1565.0	1477.4	1365.4	1256.9	1148.3	1032.8	906.8	787.7	675.7
-52.5°	1635.0	1586.0	1505.5	1407.4	1284.9	1172.9	1067.8	955.8	840.3	728.2	630.2
-55°	1593.0	1544.0	1452.9	1340.9	1218.4	1095.8	994.3	899.8	787.7	679.2	591.7
-57.5°	1572.0	1509.0	1414.4	1302.4	1172.9	1046.8	959.3	857.8	756.2	644.2	560.2
-60°	1554.5	1491.5	1403.9	1274.4	1151.8	1032.8	931.3	833.3	724.7	619.7	535.7
-62.5°	1505.5	1438.9	1358.4	1232.4	1113.3	1004.8	913.8	798.2	693.2	595.2	518.2
-65°	1407.4	1337.4	1267.4	1155.3	1046.8	945.3	854.3	749.2	651.2	567.2	500.7
-67.5°	1253.4	1193.9	1130.8	1036.3	945.3	854.3	770.2	679.2	598.7	539.2	504.2
-70°	1081.8	1018.8	955.8	878.8	801.7	728.2	661.7	595.2	542.7	511.2	483.1
-72.5°	787.7	759.7	728.2	668.7	605.7	560.2	528.7	500.7	462.1	434.1	416.6
-75°	525.2	486.6	437.6	416.6	420.1	413.1	395.6	374.6	357.1	346.6	322.1
-77.5°	409.6	388.6	364.1	339.6	329.1	318.6	304.6	287.1	273.1	248.6	213.6
-80°	378.1	360.6	343.1	325.6	308.1	283.6	255.6	227.6	213.6	203.1	199.6
-82.5°	311.6	290.6	269.6	252.1	227.6	210.1	192.6	178.6	178.6	175.1	171.6
-85°	178.6	171.6	161.0	154.0	147.0	136.5	126.0	119.0	115.5	112.0	108.5
-87.5°	91.0	87.5	80.5	77.0	73.5	70.0	63.0	59.5	56.0	56.0	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

REPORT NUMBER: P723658

CATALOG NUMBER: IFLD-L-SA8A-727-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°	17.5	17.5	14.0	14.0	14.0	10.5	7.0	7.0	3.5	3.5	0.0
85°	42.0	35.0	31.5	28.0	28.0	21.0	14.0	10.5	7.0	3.5	3.5
82.5°	80.5	70.0	59.5	52.5	42.0	31.5	24.5	17.5	10.5	7.0	3.5
80°	91.0	91.0	87.5	73.5	59.5	45.5	31.5	21.0	14.0	10.5	7.0
77.5°	70.0	77.0	77.0	77.0	73.5	56.0	38.5	24.5	14.0	10.5	7.0
75°	80.5	70.0	66.5	70.0	66.5	56.0	45.5	28.0	17.5	14.0	7.0
72.5°	98.0	84.0	73.5	70.0	63.0	52.5	42.0	31.5	17.5	14.0	10.5
70°	91.0	87.5	80.5	73.5	63.0	52.5	42.0	31.5	21.0	14.0	10.5
67.5°	80.5	80.5	80.5	73.5	63.0	49.0	38.5	28.0	21.0	14.0	10.5
65°	56.0	66.5	73.5	70.0	63.0	49.0	38.5	28.0	21.0	17.5	10.5
62.5°	35.0	45.5	59.5	66.5	59.5	49.0	35.0	28.0	21.0	17.5	10.5
60°	31.5	35.0	42.0	52.5	56.0	45.5	35.0	24.5	21.0	17.5	10.5
57.5°	31.5	31.5	35.0	42.0	45.5	42.0	31.5	21.0	21.0	17.5	14.0
55°	35.0	31.5	31.5	35.0	38.5	38.5	31.5	21.0	21.0	17.5	14.0
52.5°	42.0	35.0	31.5	31.5	31.5	35.0	28.0	21.0	21.0	17.5	14.0
50°	52.5	42.0	38.5	31.5	31.5	31.5	28.0	21.0	17.5	17.5	14.0
47.5°	70.0	56.0	42.0	38.5	31.5	28.0	24.5	21.0	17.5	17.5	14.0
45°	105.0	66.5	56.0	42.0	35.0	31.5	28.0	21.0	17.5	17.5	14.0
42.5°	143.5	98.0	70.0	49.0	38.5	31.5	28.0	24.5	17.5	17.5	14.0
40°	182.1	133.0	87.5	63.0	45.5	35.0	28.0	24.5	21.0	17.5	14.0
37.5°	224.1	164.5	115.5	80.5	52.5	38.5	31.5	24.5	21.0	17.5	14.0
35°	276.6	206.6	143.5	98.0	63.0	45.5	35.0	24.5	21.0	17.5	14.0
32.5°	336.1	245.1	171.6	119.0	80.5	56.0	38.5	28.0	21.0	17.5	14.0
30°	392.1	290.6	203.1	143.5	98.0	63.0	42.0	28.0	21.0	17.5	10.5
27.5°	448.1	336.1	241.6	168.1	119.0	73.5	45.5	31.5	21.0	17.5	14.0
25°	504.2	381.6	280.1	192.6	136.5	87.5	56.0	35.0	21.0	17.5	14.0
22.5°	553.2	427.1	315.1	220.6	157.5	101.5	63.0	38.5	24.5	17.5	14.0
20°	609.2	476.1	353.6	252.1	175.1	115.5	70.0	42.0	24.5	17.5	14.0
17.5°	661.7	525.2	392.1	280.1	196.1	129.5	80.5	45.5	28.0	17.5	14.0
15°	714.2	570.7	427.1	308.1	217.1	143.5	87.5	49.0	31.5	17.5	14.0
12.5°	763.2	612.7	458.6	332.6	234.6	157.5	94.5	52.5	35.0	17.5	14.0
10°	808.7	651.2	490.1	353.6	252.1	168.1	101.5	59.5	38.5	17.5	14.0
7.5°	854.3	682.7	514.7	374.6	273.1	182.1	108.5	63.0	42.0	21.0	14.0
5°	882.3	710.7	535.7	392.1	290.6	196.1	115.5	66.5	45.5	21.0	14.0
2.5°	906.8	731.7	549.7	409.6	308.1	206.6	115.5	70.0	49.0	21.0	14.0
0°	920.8	745.7	560.2	420.1	322.1	213.6	119.0	73.5	52.5	21.0	14.0
-2.5°	952.3	770.2	584.7	434.1	336.1	234.6	126.0	77.0	56.0	24.5	14.0
-5°	973.3	784.2	602.2	448.1	346.6	255.6	136.5	84.0	63.0	31.5	17.5
-7.5°	990.8	798.2	616.2	455.1	357.1	262.6	140.0	87.5	66.5	35.0	17.5
-10°	994.3	805.2	626.7	465.6	364.1	273.1	143.5	91.0	70.0	38.5	17.5
-12.5°	997.8	812.2	630.2	472.6	371.1	280.1	147.0	94.5	73.5	42.0	17.5
-15°	994.3	808.7	630.2	479.6	374.6	273.1	154.0	98.0	77.0	45.5	17.5
-17.5°	987.3	805.2	626.7	476.1	371.1	266.1	157.5	105.0	77.0	49.0	21.0
-20°	976.8	794.7	619.7	472.6	367.6	259.1	161.0	108.5	80.5	49.0	21.0

REPORT NUMBER: P723658

CATALOG NUMBER: IFLD-L-SA8A-727-U-11-VI

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
-22.5°	959.3	777.2	605.7	462.1	360.6	252.1	161.0	115.5	84.0	49.0	21.0
-25°	938.3	759.7	591.7	448.1	350.1	241.6	161.0	119.0	87.5	49.0	21.0
-27.5°	913.8	742.2	570.7	437.6	336.1	234.6	161.0	122.5	91.0	49.0	21.0
-30°	885.8	717.7	553.2	420.1	325.6	234.6	164.5	126.0	94.5	49.0	21.0
-32.5°	857.8	693.2	532.2	406.1	311.6	231.1	164.5	129.5	98.0	45.5	24.5
-35°	826.3	665.2	514.7	395.6	301.1	224.1	168.1	129.5	94.5	45.5	24.5
-37.5°	787.7	630.2	497.2	385.1	294.1	217.1	168.1	133.0	91.0	45.5	24.5
-40°	745.7	602.2	476.1	371.1	283.6	213.6	168.1	133.0	87.5	45.5	28.0
-42.5°	700.2	570.7	455.1	357.1	273.1	210.1	168.1	133.0	84.0	45.5	28.0
-45°	658.2	539.2	430.6	339.6	262.6	210.1	168.1	129.5	77.0	49.0	28.0
-47.5°	612.7	504.2	402.6	322.1	259.1	206.6	164.5	122.5	70.0	49.0	28.0
-50°	574.2	469.1	381.6	304.6	252.1	210.1	168.1	112.0	70.0	49.0	28.0
-52.5°	535.7	444.6	357.1	297.6	245.1	213.6	164.5	105.0	70.0	49.0	28.0
-55°	504.2	420.1	343.1	287.1	252.1	220.6	157.5	94.5	70.0	49.0	28.0
-57.5°	479.6	406.1	332.6	290.6	262.6	213.6	147.0	91.0	70.0	45.5	28.0
-60°	462.1	392.1	336.1	304.6	266.1	203.1	140.0	91.0	70.0	45.5	24.5
-62.5°	448.1	395.6	353.6	315.1	252.1	189.1	133.0	91.0	63.0	42.0	24.5
-65°	451.6	409.6	360.6	301.1	241.6	175.1	122.5	87.5	59.5	38.5	24.5
-67.5°	462.1	399.1	339.6	283.6	217.1	157.5	112.0	80.5	56.0	38.5	24.5
-70°	427.1	367.6	308.1	241.6	185.6	136.5	105.0	73.5	49.0	35.0	24.5
-72.5°	385.1	308.1	245.1	196.1	157.5	126.0	94.5	66.5	45.5	31.5	21.0
-75°	280.1	224.1	182.1	164.5	140.0	112.0	84.0	59.5	42.0	31.5	21.0
-77.5°	199.6	185.6	168.1	150.5	126.0	98.0	73.5	56.0	38.5	28.0	17.5
-80°	196.1	178.6	157.5	129.5	105.0	84.0	63.0	49.0	35.0	24.5	14.0
-82.5°	164.5	140.0	119.0	98.0	80.5	66.5	52.5	38.5	28.0	17.5	10.5
-85°	101.5	87.5	77.0	66.5	56.0	45.5	35.0	24.5	17.5	10.5	7.0
-87.5°	49.0	45.5	38.5	31.5	28.0	21.0	17.5	14.0	10.5	7.0	3.5
-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: P723658

CATALOG NUMBER: IFLD-L-SA8A-727-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°	3.5	0.0	0.0	0.0
80°	3.5	0.0	0.0	0.0
77.5°	3.5	0.0	0.0	0.0
75°	3.5	3.5	0.0	0.0
72.5°	3.5	3.5	0.0	0.0
70°	7.0	3.5	3.5	0.0
67.5°	7.0	3.5	3.5	0.0
65°	7.0	3.5	3.5	0.0
62.5°	7.0	3.5	3.5	0.0
60°	7.0	3.5	3.5	0.0
57.5°	7.0	3.5	3.5	0.0
55°	7.0	3.5	3.5	0.0
52.5°	7.0	3.5	3.5	0.0
50°	7.0	3.5	3.5	0.0
47.5°	7.0	7.0	3.5	0.0
45°	7.0	7.0	3.5	0.0
42.5°	7.0	7.0	3.5	0.0
40°	7.0	7.0	3.5	0.0
37.5°	7.0	7.0	3.5	0.0
35°	7.0	7.0	3.5	0.0
32.5°	10.5	7.0	3.5	0.0
30°	10.5	7.0	7.0	0.0
27.5°	10.5	7.0	7.0	0.0
25°	10.5	7.0	7.0	0.0
22.5°	10.5	7.0	7.0	0.0
20°	10.5	7.0	7.0	0.0
17.5°	10.5	7.0	7.0	0.0
15°	10.5	7.0	7.0	0.0
12.5°	10.5	7.0	7.0	0.0
10°	10.5	7.0	7.0	0.0
7.5°	10.5	7.0	7.0	0.0
5°	10.5	7.0	7.0	0.0
2.5°	10.5	7.0	7.0	0.0
0°	10.5	7.0	7.0	0.0
-2.5°	10.5	7.0	7.0	0.0
-5°	10.5	7.0	7.0	0.0
-7.5°	10.5	7.0	7.0	0.0
-10°	10.5	7.0	7.0	0.0
-12.5°	14.0	7.0	7.0	0.0
-15°	14.0	7.0	7.0	0.0
-17.5°	14.0	7.0	7.0	0.0
-20°	14.0	7.0	7.0	0.0

REPORT NUMBER: P723658

CATALOG NUMBER: IFLD-L-SA8A-727-U-11-VI

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	14.0	7.0	7.0	0.0
-25°	14.0	7.0	7.0	0.0
-27.5°	14.0	7.0	7.0	0.0
-30°	14.0	7.0	7.0	0.0
-32.5°	14.0	7.0	7.0	0.0
-35°	14.0	7.0	7.0	0.0
-37.5°	14.0	7.0	7.0	0.0
-40°	14.0	7.0	7.0	0.0
-42.5°	10.5	7.0	3.5	0.0
-45°	14.0	7.0	3.5	0.0
-47.5°	14.0	7.0	3.5	0.0
-50°	14.0	7.0	3.5	0.0
-52.5°	14.0	7.0	3.5	0.0
-55°	14.0	7.0	3.5	0.0
-57.5°	14.0	7.0	3.5	0.0
-60°	14.0	7.0	3.5	0.0
-62.5°	14.0	7.0	3.5	0.0
-65°	14.0	7.0	3.5	0.0
-67.5°	14.0	7.0	3.5	0.0
-70°	14.0	3.5	3.5	0.0
-72.5°	10.5	3.5	3.5	0.0
-75°	10.5	3.5	3.5	0.0
-77.5°	7.0	3.5	0.0	0.0
-80°	7.0	3.5	0.0	0.0
-82.5°	7.0	3.5	0.0	0.0
-85°	3.5	0.0	0.0	0.0
-87.5°	3.5	0.0	0.0	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)