

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: P723622

Luminaire Tested: **IFLD-M-SA4D-722-U-11-VI**

Issue Date: 01/11/2023

Test Information

Test Method: LM-79-2019
Report Number: P723622
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/11/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4D-722-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (64) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	1H x 1V
Luminaire Lumens:	12199.1 lumens	Max Intensity:	287001.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	48.9 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:	4423.9 lumens	Field Lumens:	7052.5 lumens
Beam Efficiency:	36.3%	Field Efficiency:	57.8%

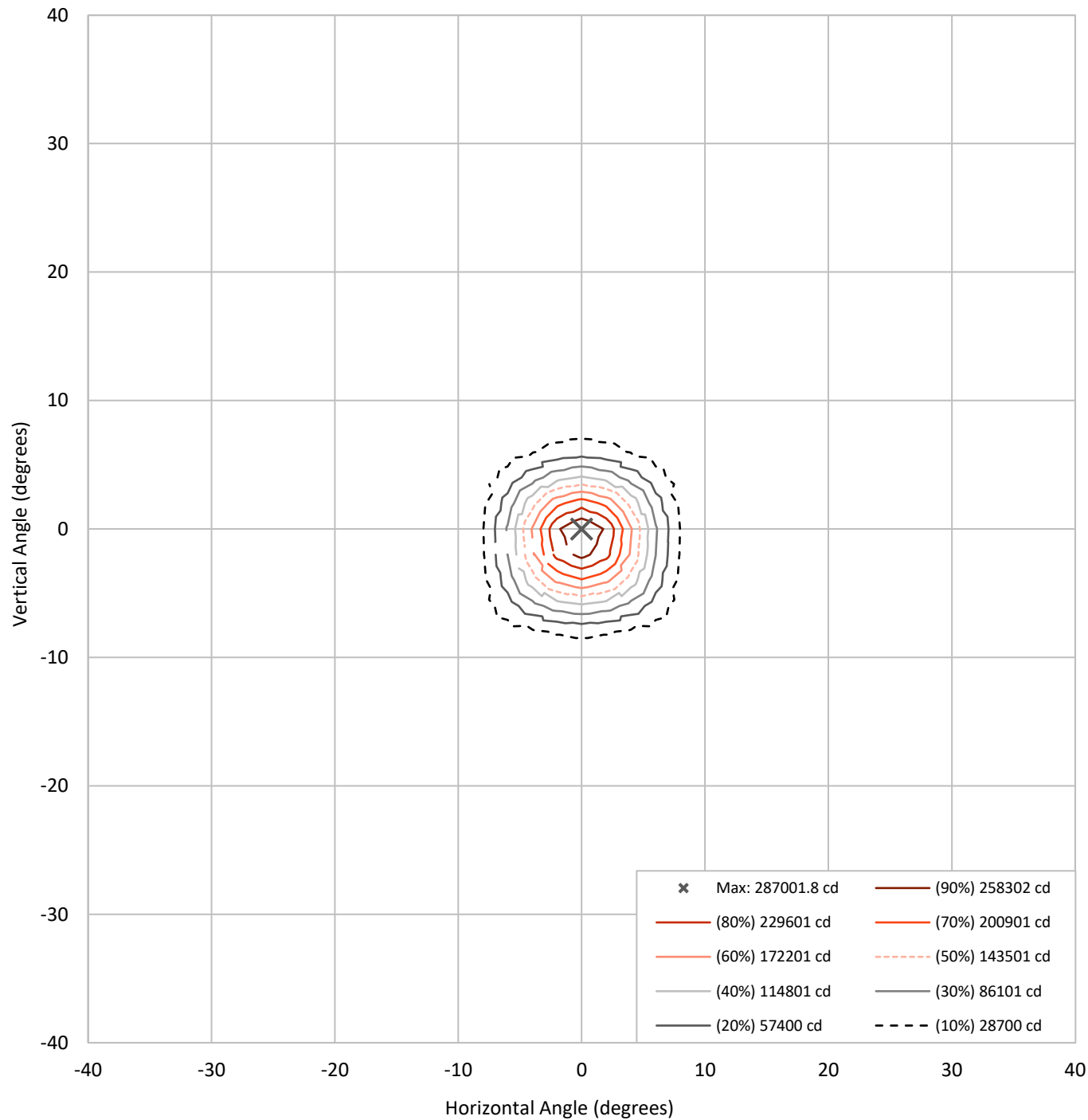
Input Watts (W): 249.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT





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Iso-Candela Plot



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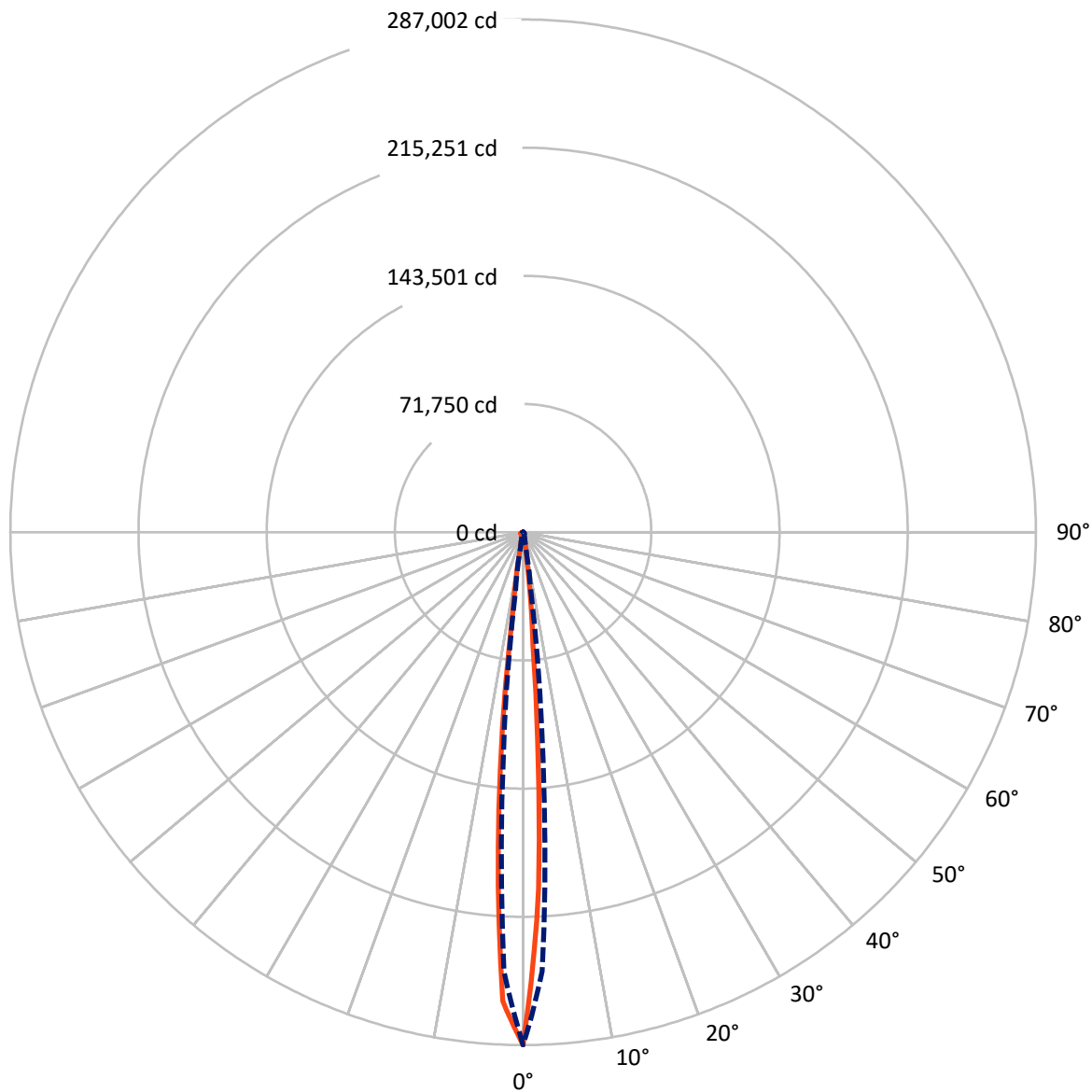
Lumen Table

Vertical Angle (degrees)																
	0.2	2.7		3.0		1.1		0.3		1.1		3.0		2.7		0.2
90																
80	0.2	2.7		3.0		1.1		0.3		1.1		3.0		2.7		0.2
70																
60	0.3	0.6	0.8	0.6	0.5	0.4	0.3	0.2	0.2	0.3	0.4	0.5	0.6	0.8	0.6	0.3
50		0.4	0.6	1.4	3.1	5.1	6.6	7.6	7.6	6.6	5.1	3.1	1.4	0.6	0.4	
40	0.3	0.4	1.7	5.6	10.9	16.0	19.3	21.3	21.3	19.3	16.0	10.9	5.6	1.7	0.4	0.3
30		0.8	4.2	11.4	18.6	21.8	23.5	24.4	24.4	23.5	21.8	18.6	11.4	4.2	0.8	
20	0.5	1.6	7.2	16.6	21.5	22.1	26.1	31.4	31.4	26.1	22.1	21.5	16.6	7.2	1.6	0.5
10		2.5	10.1	20.4	22.9	25.8	45.4	77.4	77.4	45.4	25.8	22.9	20.4	10.1	2.5	
0	0.8	3.2	12.4	22.4	23.8	31.9	86.4	1601.4	1601.4	86.4	31.9	23.8	22.4	12.4	3.2	0.8
-10		3.8	13.6	23.5	24.6	33.0	93.1	2335.0	2335.0	93.1	33.0	24.6	23.5	13.6	3.8	
-20	1.2	4.0	14.0	24.8	26.7	29.8	54.1	103.9	103.9	54.1	29.8	26.7	24.8	14.0	4.0	1.2
-30		3.8	13.3	25.1	29.9	30.0	35.0	42.8	42.8	35.0	30.0	29.9	25.1	13.3	3.8	
-40	1.3	3.4	11.7	24.0	32.9	35.9	37.4	37.7	37.7	37.4	35.9	32.9	24.0	11.7	3.4	1.3
-50		3.0	9.4	20.4	31.8	38.6	43.3	45.4	45.4	43.3	38.6	31.8	20.4	9.4	3.0	
-60	1.0	2.7	7.3	15.8	27.1	36.4	42.3	44.7	44.7	42.3	36.4	27.1	15.8	7.3	2.7	1.0
-70		2.5	6.4	12.9	22.6	31.8	38.5	41.6	41.6	38.5	31.8	22.6	12.9	6.4	2.5	
-80	0.5	7.5		22.5		41.6		46.0		41.6		22.5		7.5		0.5
-90																
Horizontal Angle (degrees)																
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	90

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Luminous Intensity Polar Plot



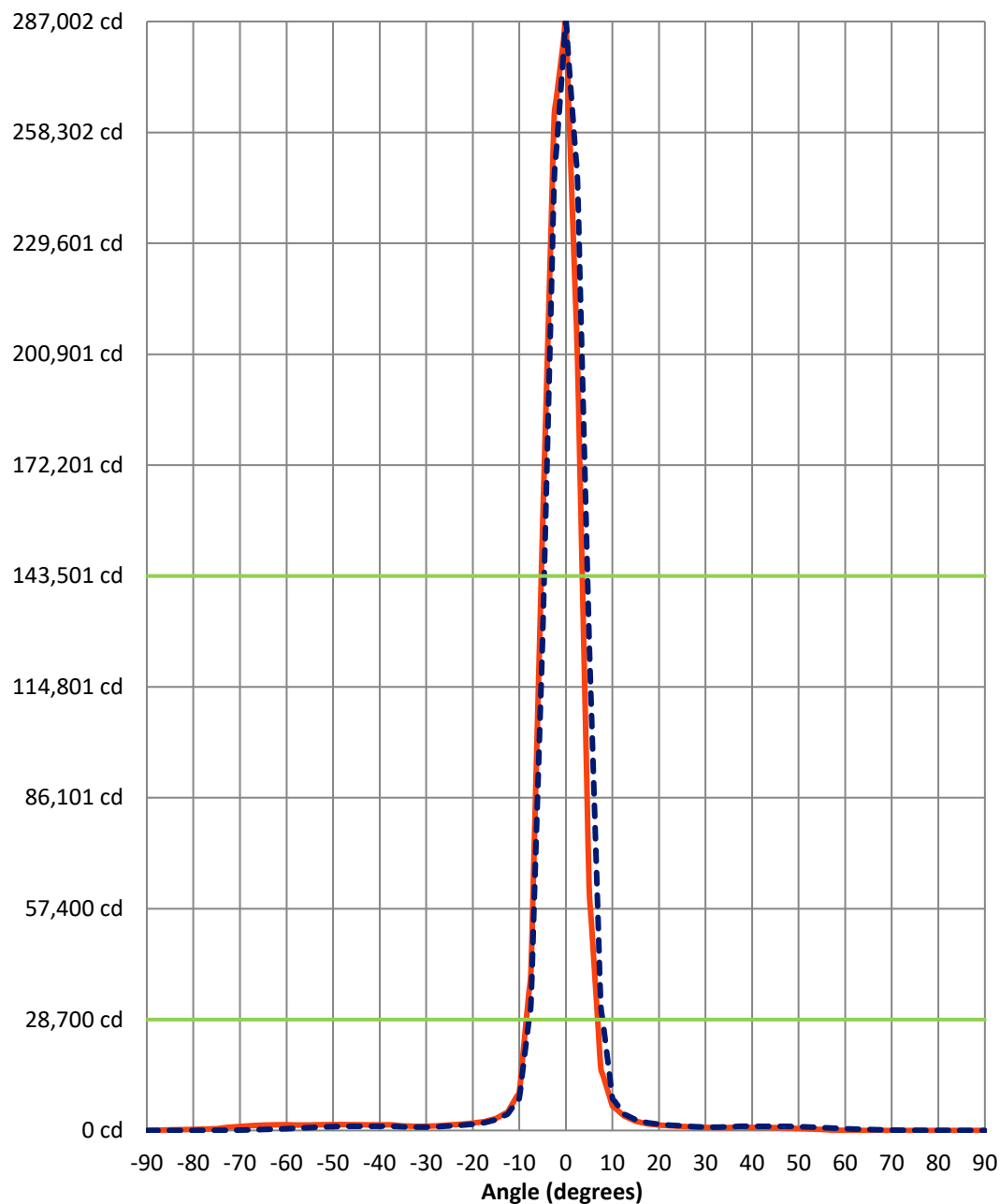
— Vertical Distribution Through 0-Deg

- - - Horizontal Distribution Through 0-Deg

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Luminous Intensity Plot



Beam:

H Angle: 9.3°

V Angle: 8.8°

Lumens: 4423.9

Efficiency: 36.3%

Field:

H Angle: 15.8°

V Angle: 15.3°

Lumens: 7052.5

Efficiency: 57.8%

Spill:

Lumens: 5146.5

Efficiency: 42.2%

— 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	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
85°	0.0	2.8	2.8	5.6	5.6	5.6	8.4	11.3	14.1	14.1	16.9
82.5°	0.0	2.8	2.8	5.6	5.6	8.4	8.4	14.1	16.9	19.7	25.3
80°	2.8	2.8	2.8	5.6	5.6	8.4	8.4	11.3	14.1	19.7	22.5
77.5°	0.0	2.8	2.8	2.8	5.6	5.6	5.6	8.4	11.3	14.1	16.9
75°	0.0	2.8	2.8	2.8	5.6	5.6	5.6	5.6	8.4	8.4	11.3
72.5°	0.0	0.0	0.0	2.8	2.8	5.6	5.6	5.6	8.4	8.4	8.4
70°	0.0	0.0	0.0	2.8	2.8	5.6	5.6	5.6	8.4	8.4	8.4
67.5°	0.0	0.0	0.0	2.8	2.8	5.6	5.6	5.6	8.4	8.4	8.4
65°	0.0	0.0	0.0	2.8	2.8	5.6	5.6	8.4	8.4	8.4	8.4
62.5°	2.8	2.8	2.8	5.6	8.4	8.4	11.3	14.1	14.1	14.1	14.1
60°	28.2	31.0	33.8	33.8	31.0	31.0	33.8	33.8	33.8	33.8	33.8
57.5°	76.0	81.7	84.5	84.5	84.5	81.7	92.9	95.7	84.5	78.9	87.3
55°	264.7	273.2	267.5	259.1	242.2	222.5	216.8	214.0	216.8	202.8	180.2
52.5°	385.8	394.3	391.4	385.8	374.5	360.5	349.2	337.9	326.7	304.1	278.8
50°	501.3	504.1	501.3	495.6	484.4	470.3	447.8	422.4	399.9	394.3	371.7
47.5°	630.8	639.3	639.3	636.4	628.0	602.6	568.9	532.2	515.3	509.7	487.2
45°	746.3	751.9	754.7	757.5	754.7	729.4	698.4	678.7	642.1	630.8	630.8
42.5°	777.2	780.1	782.9	785.7	794.1	774.4	749.1	715.3	706.8	704.0	698.4
40°	788.5	782.9	785.7	788.5	791.3	777.2	757.5	737.8	732.2	726.6	726.6
37.5°	895.5	870.2	850.5	833.6	819.5	805.4	785.7	768.8	754.7	743.5	754.7
35°	763.2	763.2	782.9	799.8	816.7	833.6	836.4	816.7	785.7	771.6	791.3
32.5°	780.1	780.1	780.1	785.7	791.3	805.4	819.5	827.9	850.5	825.1	825.1
30°	797.0	799.8	805.4	808.2	799.8	794.1	788.5	788.5	802.6	839.2	858.9
27.5°	895.5	895.5	887.1	875.8	850.5	811.0	791.3	763.2	766.0	782.9	830.8
25°	1056.0	1050.4	1030.7	1002.5	957.5	901.2	847.7	788.5	763.2	754.7	774.4
22.5°	1208.1	1199.7	1174.3	1149.0	1112.4	1056.0	965.9	875.8	797.0	763.2	754.7
20°	1402.4	1382.7	1354.6	1315.1	1256.0	1199.7	1120.8	1002.5	887.1	799.8	766.0
17.5°	1715.0	1689.7	1636.2	1565.8	1464.4	1377.1	1264.4	1151.8	1022.3	881.4	805.4
15°	2399.3	2334.6	2241.6	2047.3	1847.4	1681.2	1512.3	1323.6	1191.2	1005.4	889.9
12.5°	3773.6	3596.2	3325.8	2872.4	2424.7	2038.9	1765.7	1523.5	1309.5	1137.7	974.4
10°	6387.0	6006.8	5260.5	4021.4	3196.3	2486.6	1996.6	1672.8	1402.4	1225.0	1044.8
7.5°	16153.3	13176.6	9324.2	6367.2	4181.9	3038.6	2283.9	1813.6	1501.0	1281.3	1101.1
5°	62957.1	51861.6	27665.5	11546.1	6291.2	3675.0	2543.0	1926.2	1565.8	1323.6	1143.3
2.5°	199806.4	172546.4	90526.9	24855.1	7724.6	4139.7	2720.4	1996.6	1602.4	1354.6	1174.3
0°	287001.8	245971.0	127049.2	32689.5	8378.0	4258.0	2776.7	2010.7	1608.0	1360.2	1174.3
-2.5°	262557.9	229789.6	122729.2	30419.7	8561.0	4291.8	2821.8	2058.6	1650.2	1385.5	1182.8
-5°	156010.1	136843.6	85612.8	21689.7	7606.3	3984.8	2703.5	2016.3	1622.1	1371.4	1177.1
-7.5°	41104.1	35584.5	23407.6	11318.0	4922.6	3370.9	2483.8	1945.9	1585.5	1346.1	1154.6
-10°	9909.9	9391.8	8389.2	5142.2	3832.7	2816.1	2202.2	1819.2	1512.3	1312.3	1118.0
-12.5°	4779.0	4666.3	4235.4	3492.0	2844.3	2340.2	1993.8	1686.9	1444.7	1253.2	1067.3
-15°	3109.0	3044.2	2897.8	2613.4	2283.9	2041.7	1799.5	1551.7	1360.2	1165.9	1025.1
-17.5°	2300.8	2298.0	2224.7	2117.7	1954.4	1774.2	1596.7	1439.0	1253.2	1087.0	980.0
-20°	1906.5	1906.5	1864.3	1793.9	1678.4	1560.1	1441.9	1295.4	1143.3	1019.4	974.4

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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°	1619.3	1622.1	1599.6	1554.5	1492.5	1394.0	1278.5	1160.2	1050.4	1005.4	991.3
-25°	1433.4	1427.8	1402.4	1360.2	1295.4	1216.6	1140.5	1061.7	1030.7	1019.4	1039.1
-27.5°	1213.7	1222.2	1210.9	1191.2	1149.0	1092.7	1075.8	1053.2	1058.9	1075.8	1151.8
-30°	1084.2	1092.7	1103.9	1112.4	1098.3	1084.2	1089.8	1106.7	1143.3	1208.1	1236.3
-32.5°	1084.2	1087.0	1103.9	1120.8	1129.3	1140.5	1171.5	1227.8	1281.3	1264.4	1258.8
-35°	1182.8	1174.3	1196.9	1219.4	1250.4	1289.8	1323.6	1312.3	1292.6	1287.0	1292.6
-37.5°	1464.4	1410.9	1388.3	1374.3	1365.8	1360.2	1351.7	1343.3	1334.8	1329.2	1337.7
-40°	1461.6	1447.5	1433.4	1422.1	1413.7	1402.4	1396.8	1394.0	1385.5	1379.9	1374.3
-42.5°	1455.9	1461.6	1461.6	1458.7	1461.6	1458.7	1450.3	1439.0	1425.0	1413.7	1402.4
-45°	1498.2	1501.0	1506.6	1512.3	1520.7	1509.4	1492.5	1472.8	1453.1	1436.2	1422.1
-47.5°	1523.5	1526.3	1532.0	1540.4	1546.0	1534.8	1512.3	1486.9	1455.9	1427.8	1399.6
-50°	1532.0	1540.4	1543.2	1543.2	1540.4	1526.3	1492.5	1455.9	1422.1	1394.0	1368.6
-52.5°	1492.5	1501.0	1503.8	1498.2	1495.4	1481.3	1450.3	1416.5	1379.9	1360.2	1337.7
-55°	1427.8	1439.0	1447.5	1447.5	1447.5	1444.7	1416.5	1385.5	1357.4	1334.8	1312.3
-57.5°	1402.4	1422.1	1439.0	1441.9	1444.7	1447.5	1427.8	1396.8	1363.0	1329.2	1301.0
-60°	1495.4	1512.3	1520.7	1509.4	1501.0	1492.5	1461.6	1425.0	1391.2	1357.4	1303.9
-62.5°	1470.0	1498.2	1512.3	1503.8	1492.5	1478.5	1444.7	1402.4	1363.0	1326.4	1272.9
-65°	1388.3	1413.7	1430.6	1416.5	1399.6	1379.9	1348.9	1309.5	1272.9	1236.3	1188.4
-67.5°	1250.4	1287.0	1315.1	1284.1	1261.6	1236.3	1210.9	1177.1	1140.5	1098.3	1053.2
-70°	1033.5	1061.7	1087.0	1078.6	1072.9	1067.3	1050.4	1016.6	985.6	951.8	912.4
-72.5°	830.8	856.1	878.6	864.5	853.3	836.4	811.0	774.4	737.8	701.2	664.6
-75°	459.0	467.5	475.9	473.1	473.1	473.1	473.1	475.9	470.3	461.8	444.9
-77.5°	352.0	363.3	371.7	377.4	385.8	397.1	405.5	391.4	377.4	363.3	346.4
-80°	276.0	287.2	295.7	326.7	349.2	374.5	391.4	371.7	352.0	335.1	321.0
-82.5°	208.4	216.8	225.3	242.2	253.5	267.5	278.8	278.8	276.0	273.2	264.7
-85°	152.1	163.3	174.6	180.2	188.7	188.7	191.5	180.2	169.0	160.5	149.3
-87.5°	87.3	90.1	90.1	90.1	92.9	92.9	92.9	87.3	84.5	78.9	76.0
-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°	2.8	2.8	2.8	5.6	5.6	8.4	8.4	11.3	11.3	14.1	14.1
85°	16.9	16.9	16.9	19.7	19.7	22.5	25.3	28.2	31.0	31.0	33.8
82.5°	28.2	31.0	33.8	36.6	39.4	42.2	45.1	47.9	56.3	62.0	64.8
80°	28.2	31.0	39.4	45.1	50.7	56.3	56.3	56.3	56.3	59.1	64.8
77.5°	19.7	22.5	25.3	31.0	45.1	56.3	64.8	70.4	64.8	62.0	56.3
75°	11.3	14.1	16.9	19.7	28.2	39.4	53.5	67.6	78.9	76.0	70.4
72.5°	11.3	11.3	14.1	16.9	19.7	22.5	25.3	39.4	56.3	70.4	78.9
70°	11.3	14.1	14.1	16.9	19.7	22.5	25.3	31.0	39.4	56.3	73.2
67.5°	11.3	14.1	14.1	19.7	25.3	28.2	31.0	28.2	25.3	36.6	53.5
65°	11.3	11.3	14.1	16.9	19.7	22.5	31.0	31.0	28.2	28.2	28.2
62.5°	16.9	16.9	16.9	16.9	19.7	19.7	19.7	25.3	25.3	25.3	25.3
60°	33.8	31.0	31.0	31.0	31.0	25.3	25.3	25.3	22.5	25.3	22.5
57.5°	81.7	67.6	62.0	62.0	53.5	50.7	42.2	31.0	31.0	25.3	25.3
55°	166.2	157.7	132.4	109.8	98.6	87.3	67.6	56.3	42.2	33.8	31.0
52.5°	256.3	233.7	211.2	183.0	154.9	132.4	112.6	87.3	70.4	50.7	39.4
50°	335.1	315.4	290.1	259.1	222.5	194.3	166.2	132.4	104.2	78.9	56.3
47.5°	456.2	416.8	385.8	349.2	307.0	267.5	230.9	191.5	146.4	115.5	87.3
45°	585.8	529.4	487.2	453.4	397.1	343.6	301.3	259.1	205.6	152.1	118.3
42.5°	675.9	633.6	577.3	532.2	481.6	425.2	368.9	323.9	267.5	205.6	152.1
40°	723.7	695.6	650.5	611.1	557.6	495.6	436.5	391.4	332.3	264.7	191.5
37.5°	760.4	746.3	723.7	692.8	642.1	568.9	509.7	456.2	405.5	326.7	247.8
35°	802.6	799.8	785.7	771.6	729.4	659.0	588.6	526.6	464.7	391.4	304.1
32.5°	842.0	839.2	830.8	825.1	808.2	746.3	670.2	599.8	529.4	453.4	357.6
30°	861.7	856.1	856.1	861.7	844.8	805.4	749.1	673.1	594.2	504.1	414.0
27.5°	861.7	856.1	858.9	867.4	864.5	844.8	802.6	740.6	653.3	552.0	464.7
25°	825.1	853.3	853.3	864.5	867.4	861.7	839.2	799.8	709.7	602.6	504.1
22.5°	774.4	842.0	867.4	864.5	867.4	881.4	884.3	847.7	763.2	653.3	543.5
20°	774.4	822.3	895.5	875.8	881.4	912.4	926.5	895.5	819.5	701.2	582.9
17.5°	791.3	822.3	884.3	915.2	923.7	949.0	971.6	951.8	870.2	751.9	636.4
15°	839.2	833.6	875.8	951.8	965.9	985.6	1011.0	988.5	915.2	808.2	687.1
12.5°	873.0	842.0	875.8	957.5	1002.5	1022.3	1030.7	1013.8	954.7	858.9	737.8
10°	918.1	864.5	881.4	951.8	1016.6	1030.7	1039.1	1033.5	991.3	901.2	782.9
7.5°	951.8	875.8	875.8	943.4	1030.7	1042.0	1047.6	1053.2	1022.3	937.8	822.3
5°	965.9	875.8	870.2	935.0	1044.8	1056.0	1056.0	1064.5	1044.8	965.9	850.5
2.5°	968.7	873.0	864.5	929.3	1070.1	1070.1	1064.5	1072.9	1061.7	982.8	870.2
0°	982.8	870.2	861.7	937.8	1098.3	1087.0	1072.9	1075.8	1070.1	991.3	881.4
-2.5°	982.8	884.3	873.0	943.4	1095.5	1092.7	1087.0	1089.8	1084.2	1016.6	904.0
-5°	996.9	904.0	892.7	968.7	1092.7	1101.1	1103.9	1103.9	1095.5	1033.5	918.1
-7.5°	999.7	918.1	915.2	994.1	1098.3	1112.4	1120.8	1126.4	1109.6	1044.8	929.3
-10°	985.6	923.7	937.8	1025.1	1103.9	1123.6	1140.5	1149.0	1120.8	1050.4	935.0
-12.5°	954.7	923.7	960.3	1064.5	1118.0	1140.5	1165.9	1168.7	1132.1	1053.2	937.8
-15°	951.8	946.2	999.7	1103.9	1126.4	1154.6	1194.0	1185.6	1140.5	1053.2	937.8
-17.5°	949.0	977.2	1058.9	1118.0	1140.5	1171.5	1202.5	1194.0	1146.2	1053.2	932.1
-20°	974.4	1027.9	1129.3	1132.1	1157.4	1191.2	1208.1	1191.2	1137.7	1044.8	923.7

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CATALOG NUMBER: IFLD-M-SA4D-722-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°	1016.6	1118.0	1151.8	1163.1	1185.6	1210.9	1219.4	1194.0	1129.3	1030.7	909.6
-25°	1123.6	1174.3	1174.3	1199.7	1222.2	1233.5	1225.0	1196.9	1118.0	1016.6	895.5
-27.5°	1205.3	1202.5	1216.6	1241.9	1261.6	1261.6	1239.1	1182.8	1101.1	1002.5	875.8
-30°	1236.3	1239.1	1258.8	1287.0	1292.6	1278.5	1244.7	1171.5	1087.0	980.0	850.5
-32.5°	1267.3	1278.5	1303.9	1317.9	1320.8	1292.6	1230.6	1151.8	1064.5	954.7	822.3
-35°	1303.9	1326.4	1340.5	1343.3	1329.2	1281.3	1210.9	1126.4	1030.7	918.1	797.0
-37.5°	1351.7	1363.0	1371.4	1360.2	1320.8	1264.4	1177.1	1092.7	999.7	878.6	760.4
-40°	1382.7	1388.3	1391.2	1354.6	1306.7	1225.0	1140.5	1053.2	946.2	833.6	720.9
-42.5°	1402.4	1396.8	1374.3	1334.8	1264.4	1185.6	1103.9	1005.4	898.3	788.5	678.7
-45°	1396.8	1377.1	1343.3	1295.4	1222.2	1143.3	1047.6	949.0	847.7	740.6	630.8
-47.5°	1374.3	1343.3	1301.0	1244.7	1177.1	1081.4	985.6	889.9	791.3	687.1	585.8
-50°	1346.1	1309.5	1258.8	1188.4	1098.3	1011.0	923.7	830.8	729.4	633.6	543.5
-52.5°	1315.1	1275.7	1210.9	1132.1	1033.5	943.4	858.9	768.8	675.9	585.8	506.9
-55°	1281.3	1241.9	1168.7	1078.6	980.0	881.4	799.8	723.7	633.6	546.3	475.9
-57.5°	1264.4	1213.7	1137.7	1047.6	943.4	842.0	771.6	689.9	608.3	518.2	450.6
-60°	1250.4	1199.7	1129.3	1025.1	926.5	830.8	749.1	670.2	582.9	498.5	430.9
-62.5°	1210.9	1157.4	1092.7	991.3	895.5	808.2	735.0	642.1	557.6	478.7	416.8
-65°	1132.1	1075.8	1019.4	929.3	842.0	760.4	687.1	602.6	523.8	456.2	402.7
-67.5°	1008.2	960.3	909.6	833.6	760.4	687.1	619.5	546.3	481.6	433.7	405.5
-70°	870.2	819.5	768.8	706.8	644.9	585.8	532.2	478.7	436.5	411.2	388.6
-72.5°	633.6	611.1	585.8	537.9	487.2	450.6	425.2	402.7	371.7	349.2	335.1
-75°	422.4	391.4	352.0	335.1	337.9	332.3	318.2	301.3	287.2	278.8	259.1
-77.5°	329.5	312.6	292.9	273.2	264.7	256.3	245.0	230.9	219.7	199.9	171.8
-80°	304.1	290.1	276.0	261.9	247.8	228.1	205.6	183.0	171.8	163.3	160.5
-82.5°	250.6	233.7	216.8	202.8	183.0	169.0	154.9	143.6	143.6	140.8	138.0
-85°	143.6	138.0	129.5	123.9	118.3	109.8	101.4	95.7	92.9	90.1	87.3
-87.5°	73.2	70.4	64.8	62.0	59.1	56.3	50.7	47.9	45.1	45.1	42.2
-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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CATALOG NUMBER: IFLD-M-SA4D-722-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°	14.1	14.1	11.3	11.3	11.3	8.4	5.6	5.6	2.8	2.8	0.0
85°	33.8	28.2	25.3	22.5	22.5	16.9	11.3	8.4	5.6	2.8	2.8
82.5°	64.8	56.3	47.9	42.2	33.8	25.3	19.7	14.1	8.4	5.6	2.8
80°	73.2	73.2	70.4	59.1	47.9	36.6	25.3	16.9	11.3	8.4	5.6
77.5°	56.3	62.0	62.0	62.0	59.1	45.1	31.0	19.7	11.3	8.4	5.6
75°	64.8	56.3	53.5	56.3	53.5	45.1	36.6	22.5	14.1	11.3	5.6
72.5°	78.9	67.6	59.1	56.3	50.7	42.2	33.8	25.3	14.1	11.3	8.4
70°	73.2	70.4	64.8	59.1	50.7	42.2	33.8	25.3	16.9	11.3	8.4
67.5°	64.8	64.8	64.8	59.1	50.7	39.4	31.0	22.5	16.9	11.3	8.4
65°	45.1	53.5	59.1	56.3	50.7	39.4	31.0	22.5	16.9	14.1	8.4
62.5°	28.2	36.6	47.9	53.5	47.9	39.4	28.2	22.5	16.9	14.1	8.4
60°	25.3	28.2	33.8	42.2	45.1	36.6	28.2	19.7	16.9	14.1	8.4
57.5°	25.3	25.3	28.2	33.8	36.6	33.8	25.3	16.9	16.9	14.1	11.3
55°	28.2	25.3	25.3	28.2	31.0	31.0	25.3	16.9	16.9	14.1	11.3
52.5°	33.8	28.2	25.3	25.3	25.3	28.2	22.5	16.9	16.9	14.1	11.3
50°	42.2	33.8	31.0	25.3	25.3	25.3	22.5	16.9	14.1	14.1	11.3
47.5°	56.3	45.1	33.8	31.0	25.3	22.5	19.7	16.9	14.1	14.1	11.3
45°	84.5	53.5	45.1	33.8	28.2	25.3	22.5	16.9	14.1	14.1	11.3
42.5°	115.5	78.9	56.3	39.4	31.0	25.3	22.5	19.7	14.1	14.1	11.3
40°	146.4	107.0	70.4	50.7	36.6	28.2	22.5	19.7	16.9	14.1	11.3
37.5°	180.2	132.4	92.9	64.8	42.2	31.0	25.3	19.7	16.9	14.1	11.3
35°	222.5	166.2	115.5	78.9	50.7	36.6	28.2	19.7	16.9	14.1	11.3
32.5°	270.3	197.1	138.0	95.7	64.8	45.1	31.0	22.5	16.9	14.1	11.3
30°	315.4	233.7	163.3	115.5	78.9	50.7	33.8	22.5	16.9	14.1	8.4
27.5°	360.5	270.3	194.3	135.2	95.7	59.1	36.6	25.3	16.9	14.1	11.3
25°	405.5	307.0	225.3	154.9	109.8	70.4	45.1	28.2	16.9	14.1	11.3
22.5°	444.9	343.6	253.5	177.4	126.7	81.7	50.7	31.0	19.7	14.1	11.3
20°	490.0	383.0	284.4	202.8	140.8	92.9	56.3	33.8	19.7	14.1	11.3
17.5°	532.2	422.4	315.4	225.3	157.7	104.2	64.8	36.6	22.5	14.1	11.3
15°	574.5	459.0	343.6	247.8	174.6	115.5	70.4	39.4	25.3	14.1	11.3
12.5°	613.9	492.8	368.9	267.5	188.7	126.7	76.0	42.2	28.2	14.1	11.3
10°	650.5	523.8	394.3	284.4	202.8	135.2	81.7	47.9	31.0	14.1	11.3
7.5°	687.1	549.1	414.0	301.3	219.7	146.4	87.3	50.7	33.8	16.9	11.3
5°	709.7	571.7	430.9	315.4	233.7	157.7	92.9	53.5	36.6	16.9	11.3
2.5°	729.4	588.6	442.1	329.5	247.8	166.2	92.9	56.3	39.4	16.9	11.3
0°	740.6	599.8	450.6	337.9	259.1	171.8	95.7	59.1	42.2	16.9	11.3
-2.5°	766.0	619.5	470.3	349.2	270.3	188.7	101.4	62.0	45.1	19.7	11.3
-5°	782.9	630.8	484.4	360.5	278.8	205.6	109.8	67.6	50.7	25.3	14.1
-7.5°	797.0	642.1	495.6	366.1	287.2	211.2	112.6	70.4	53.5	28.2	14.1
-10°	799.8	647.7	504.1	374.5	292.9	219.7	115.5	73.2	56.3	31.0	14.1
-12.5°	802.6	653.3	506.9	380.2	298.5	225.3	118.3	76.0	59.1	33.8	14.1
-15°	799.8	650.5	506.9	385.8	301.3	219.7	123.9	78.9	62.0	36.6	14.1
-17.5°	794.1	647.7	504.1	383.0	298.5	214.0	126.7	84.5	62.0	39.4	16.9
-20°	785.7	639.3	498.5	380.2	295.7	208.4	129.5	87.3	64.8	39.4	16.9



REPORT NUMBER: P723622

CATALOG NUMBER: IFLD-M-SA4D-722-U-11-VI

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
-22.5°	771.6	625.2	487.2	371.7	290.1	202.8	129.5	92.9	67.6	39.4	16.9
-25°	754.7	611.1	475.9	360.5	281.6	194.3	129.5	95.7	70.4	39.4	16.9
-27.5°	735.0	597.0	459.0	352.0	270.3	188.7	129.5	98.6	73.2	39.4	16.9
-30°	712.5	577.3	444.9	337.9	261.9	188.7	132.4	101.4	76.0	39.4	16.9
-32.5°	689.9	557.6	428.0	326.7	250.6	185.9	132.4	104.2	78.9	36.6	19.7
-35°	664.6	535.1	414.0	318.2	242.2	180.2	135.2	104.2	76.0	36.6	19.7
-37.5°	633.6	506.9	399.9	309.8	236.6	174.6	135.2	107.0	73.2	36.6	19.7
-40°	599.8	484.4	383.0	298.5	228.1	171.8	135.2	107.0	70.4	36.6	22.5
-42.5°	563.2	459.0	366.1	287.2	219.7	169.0	135.2	107.0	67.6	36.6	22.5
-45°	529.4	433.7	346.4	273.2	211.2	169.0	135.2	104.2	62.0	39.4	22.5
-47.5°	492.8	405.5	323.9	259.1	208.4	166.2	132.4	98.6	56.3	39.4	22.5
-50°	461.8	377.4	307.0	245.0	202.8	169.0	135.2	90.1	56.3	39.4	22.5
-52.5°	430.9	357.6	287.2	239.4	197.1	171.8	132.4	84.5	56.3	39.4	22.5
-55°	405.5	337.9	276.0	230.9	202.8	177.4	126.7	76.0	56.3	39.4	22.5
-57.5°	385.8	326.7	267.5	233.7	211.2	171.8	118.3	73.2	56.3	36.6	22.5
-60°	371.7	315.4	270.3	245.0	214.0	163.3	112.6	73.2	56.3	36.6	19.7
-62.5°	360.5	318.2	284.4	253.5	202.8	152.1	107.0	73.2	50.7	33.8	19.7
-65°	363.3	329.5	290.1	242.2	194.3	140.8	98.6	70.4	47.9	31.0	19.7
-67.5°	371.7	321.0	273.2	228.1	174.6	126.7	90.1	64.8	45.1	31.0	19.7
-70°	343.6	295.7	247.8	194.3	149.3	109.8	84.5	59.1	39.4	28.2	19.7
-72.5°	309.8	247.8	197.1	157.7	126.7	101.4	76.0	53.5	36.6	25.3	16.9
-75°	225.3	180.2	146.4	132.4	112.6	90.1	67.6	47.9	33.8	25.3	16.9
-77.5°	160.5	149.3	135.2	121.1	101.4	78.9	59.1	45.1	31.0	22.5	14.1
-80°	157.7	143.6	126.7	104.2	84.5	67.6	50.7	39.4	28.2	19.7	11.3
-82.5°	132.4	112.6	95.7	78.9	64.8	53.5	42.2	31.0	22.5	14.1	8.4
-85°	81.7	70.4	62.0	53.5	45.1	36.6	28.2	19.7	14.1	8.4	5.6
-87.5°	39.4	36.6	31.0	25.3	22.5	16.9	14.1	11.3	8.4	5.6	2.8
-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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CATALOG NUMBER: IFLD-M-SA4D-722-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°	2.8	0.0	0.0	0.0
80°	2.8	0.0	0.0	0.0
77.5°	2.8	0.0	0.0	0.0
75°	2.8	2.8	0.0	0.0
72.5°	2.8	2.8	0.0	0.0
70°	5.6	2.8	2.8	0.0
67.5°	5.6	2.8	2.8	0.0
65°	5.6	2.8	2.8	0.0
62.5°	5.6	2.8	2.8	0.0
60°	5.6	2.8	2.8	0.0
57.5°	5.6	2.8	2.8	0.0
55°	5.6	2.8	2.8	0.0
52.5°	5.6	2.8	2.8	0.0
50°	5.6	2.8	2.8	0.0
47.5°	5.6	5.6	2.8	0.0
45°	5.6	5.6	2.8	0.0
42.5°	5.6	5.6	2.8	0.0
40°	5.6	5.6	2.8	0.0
37.5°	5.6	5.6	2.8	0.0
35°	5.6	5.6	2.8	0.0
32.5°	8.4	5.6	2.8	0.0
30°	8.4	5.6	5.6	0.0
27.5°	8.4	5.6	5.6	0.0
25°	8.4	5.6	5.6	0.0
22.5°	8.4	5.6	5.6	0.0
20°	8.4	5.6	5.6	0.0
17.5°	8.4	5.6	5.6	0.0
15°	8.4	5.6	5.6	0.0
12.5°	8.4	5.6	5.6	0.0
10°	8.4	5.6	5.6	0.0
7.5°	8.4	5.6	5.6	0.0
5°	8.4	5.6	5.6	0.0
2.5°	8.4	5.6	5.6	0.0
0°	8.4	5.6	5.6	0.0
-2.5°	8.4	5.6	5.6	0.0
-5°	8.4	5.6	5.6	0.0
-7.5°	8.4	5.6	5.6	0.0
-10°	8.4	5.6	5.6	0.0
-12.5°	11.3	5.6	5.6	0.0
-15°	11.3	5.6	5.6	0.0
-17.5°	11.3	5.6	5.6	0.0
-20°	11.3	5.6	5.6	0.0

REPORT NUMBER: P723622

CATALOG NUMBER: IFLD-M-SA4D-722-U-11-VI

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	11.3	5.6	5.6	0.0
-25°	11.3	5.6	5.6	0.0
-27.5°	11.3	5.6	5.6	0.0
-30°	11.3	5.6	5.6	0.0
-32.5°	11.3	5.6	5.6	0.0
-35°	11.3	5.6	5.6	0.0
-37.5°	11.3	5.6	5.6	0.0
-40°	11.3	5.6	5.6	0.0
-42.5°	8.4	5.6	2.8	0.0
-45°	11.3	5.6	2.8	0.0
-47.5°	11.3	5.6	2.8	0.0
-50°	11.3	5.6	2.8	0.0
-52.5°	11.3	5.6	2.8	0.0
-55°	11.3	5.6	2.8	0.0
-57.5°	11.3	5.6	2.8	0.0
-60°	11.3	5.6	2.8	0.0
-62.5°	11.3	5.6	2.8	0.0
-65°	11.3	5.6	2.8	0.0
-67.5°	11.3	5.6	2.8	0.0
-70°	11.3	2.8	2.8	0.0
-72.5°	8.4	2.8	2.8	0.0
-75°	8.4	2.8	2.8	0.0
-77.5°	5.6	2.8	0.0	0.0
-80°	5.6	2.8	0.0	0.0
-82.5°	5.6	2.8	0.0	0.0
-85°	2.8	0.0	0.0	0.0
-87.5°	2.8	0.0	0.0	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)