

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: P723651

Luminaire Tested: **IFLD-M-SA4D-727-U-11-VI**

Issue Date: 01/11/2023

Test Information

Test Method: LM-79-2019
Report Number: P723651
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/11/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4D-727-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (64) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	1H x 1V
Luminaire Lumens:	13850.3 lumens	Max Intensity:	325848 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	55.5 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:	5022.7 lumens	Field Lumens:	8007.1 lumens
Beam Efficiency:	36.3%	Field Efficiency:	57.8%

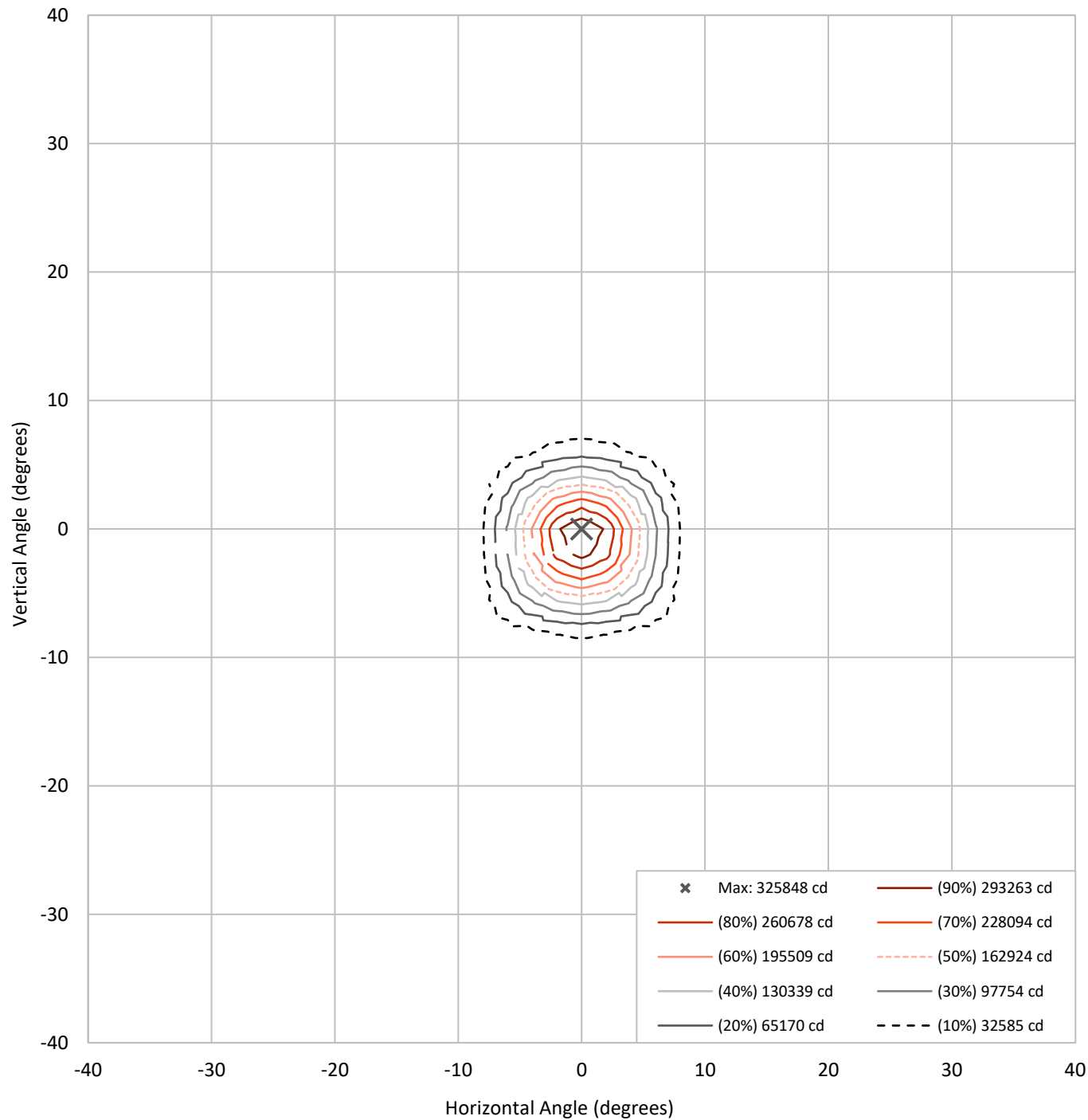
Input Watts (W): 249.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT





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Iso-Candela Plot



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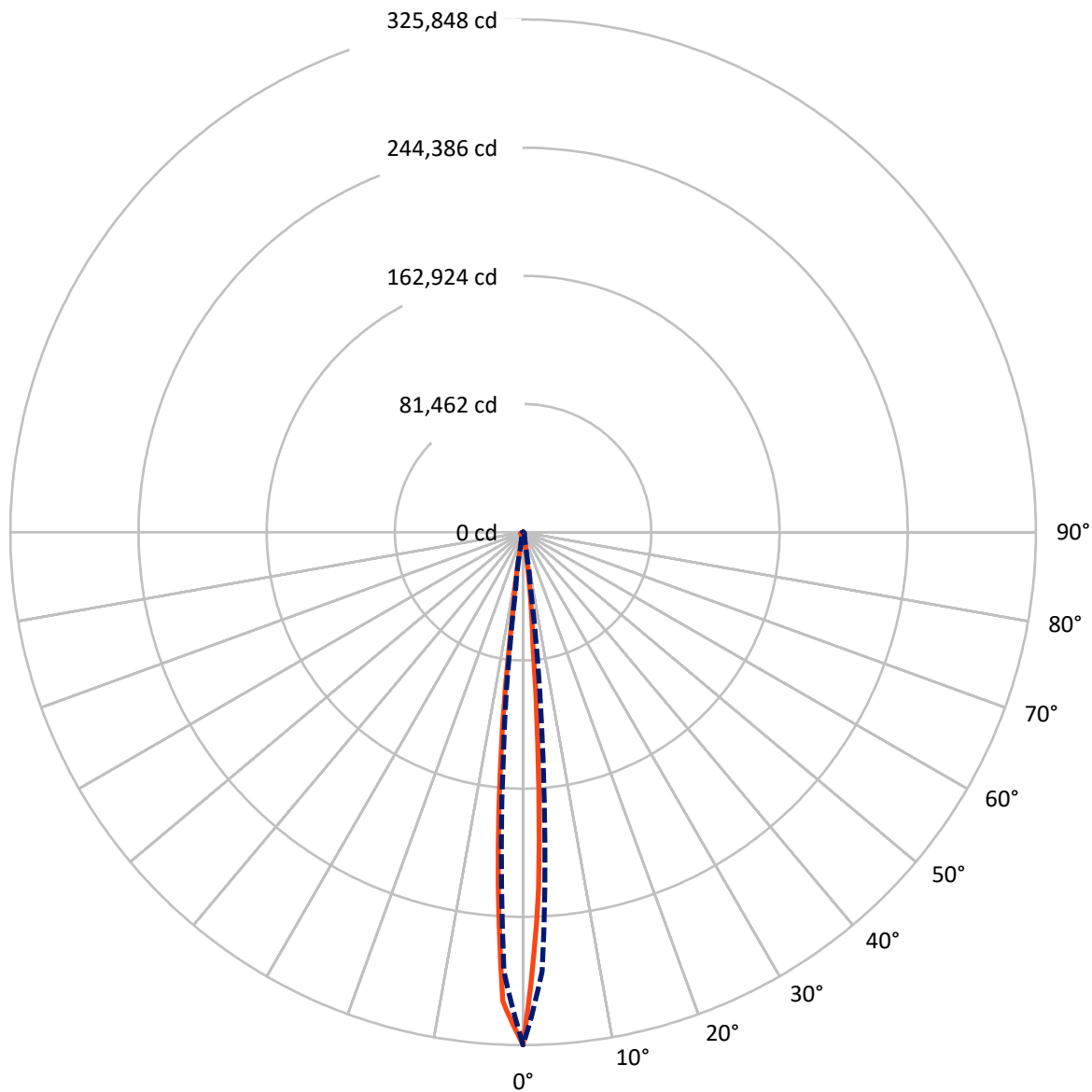
Lumen Table

Vertical Angle (degrees)																			
	0.2	3.1		3.4		1.3		0.4		1.3		3.4		3.1		0.2			
90																			
80																			
70	0.4	0.7	0.9	0.7	0.6	0.4	0.4	0.2	0.2	0.4	0.4	0.6	0.7	0.9	0.7	0.4			
60		0.4	0.6	1.6	3.6	5.8	7.5	8.6	8.6	7.5	5.8	3.6	1.6	0.6	0.4				
50	0.4	0.5	1.9	6.3	12.4	18.2	21.9	24.2	24.2	21.9	18.2	12.4	6.3	1.9	0.5	0.4			
40		0.9	4.8	13.0	21.1	24.7	26.7	27.7	27.7	26.7	24.7	21.1	13.0	4.8	0.9				
30	0.6	1.8	8.2	18.9	24.4	25.1	29.7	35.7	35.7	29.7	25.1	24.4	18.9	8.2	1.8	0.6			
20		2.8	11.5	23.2	26.0	29.3	51.6	87.9	87.9	51.6	29.3	26.0	23.2	11.5	2.8				
10	0.9	3.7	14.1	25.5	27.0	36.2	98.1	1818.2	1818.2	98.1	36.2	27.0	25.5	14.1	3.7	0.9			
0		4.3	15.5	26.7	28.0	37.5	105.7	2651.1	2651.1	105.7	37.5	28.0	26.7	15.5	4.3				
-10	1.3	4.6	15.9	28.2	30.3	33.8	61.4	117.9	117.9	61.4	33.8	30.3	28.2	15.9	4.6	1.3			
-20		4.3	15.1	28.5	34.0	34.0	39.8	48.5	48.5	39.8	34.0	34.0	28.5	15.1	4.3				
-30	1.5	3.8	13.3	27.3	37.4	40.7	42.4	42.8	42.8	42.4	40.7	37.4	27.3	13.3	3.8	1.5			
-40		3.4	10.7	23.1	36.1	43.8	49.1	51.5	51.5	49.1	43.8	36.1	23.1	10.7	3.4				
-50	1.2	3.0	8.3	17.9	30.7	41.3	48.0	50.7	50.7	48.0	41.3	30.7	17.9	8.3	3.0	1.2			
-60		2.8	7.3	14.6	25.7	36.1	43.7	47.2	47.2	43.7	36.1	25.7	14.6	7.3	2.8				
-70	0.5	8.6		25.5		47.3		52.2		47.3		25.5		8.6		0.5			
-80																			
-90																			
Horizontal Angle (degrees)																			
	-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



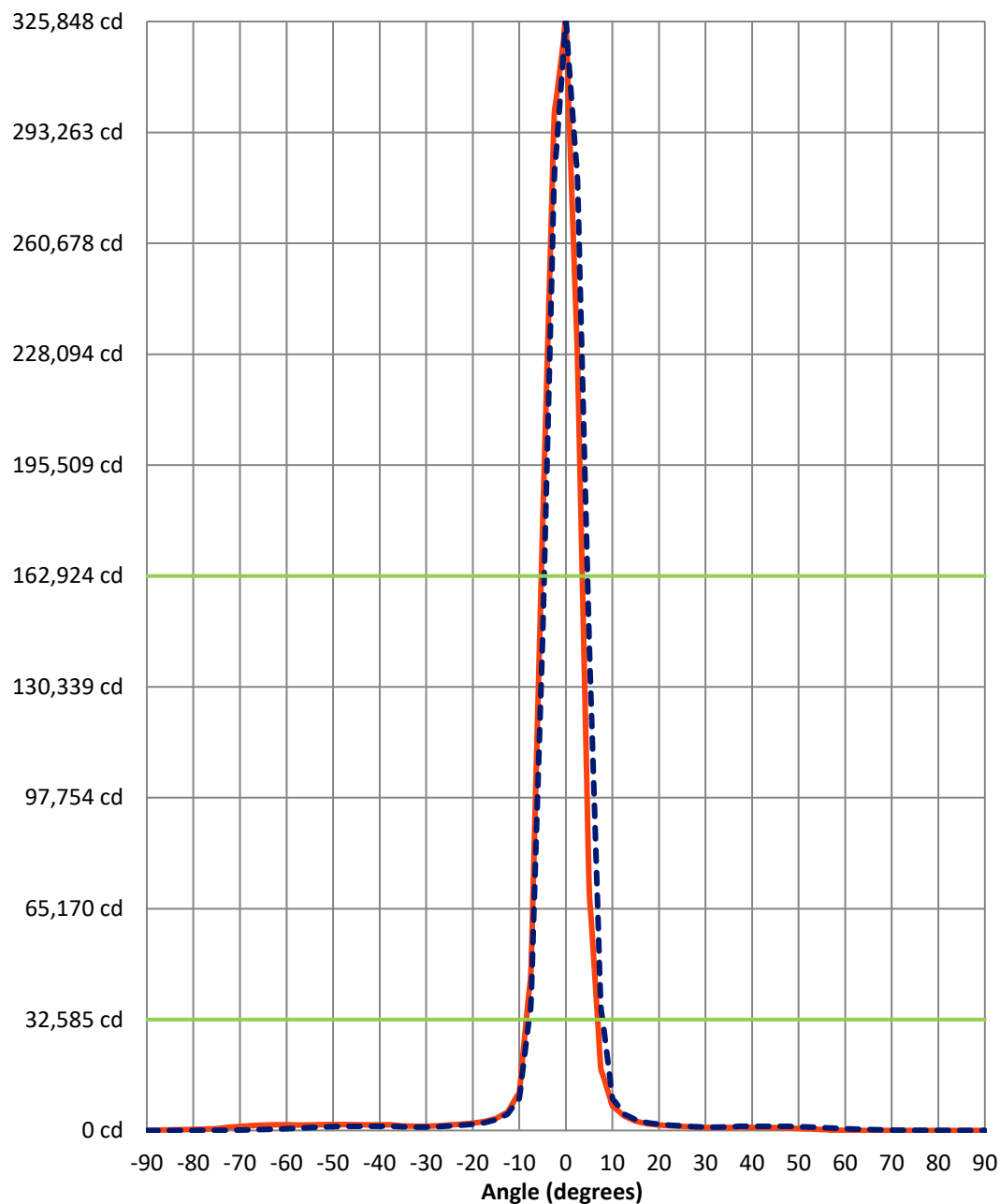
— Vertical Distribution Through 0-Deg

- - - Horizontal Distribution Through 0-Deg

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Luminous Intensity Plot



Beam:

H Angle: 9.3°

V Angle: 8.8°

Lumens: 5022.7

Efficiency: 36.3%

Field:

H Angle: 15.8°

V Angle: 15.3°

Lumens: 8007.1

Efficiency: 57.8%

Spill:

Lumens: 5843.2

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	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
85°	0.0	3.2	3.2	6.4	6.4	6.4	9.6	12.8	16.0	16.0	19.2
82.5°	0.0	3.2	3.2	6.4	6.4	9.6	9.6	16.0	19.2	22.4	28.8
80°	3.2	3.2	3.2	6.4	6.4	9.6	9.6	12.8	16.0	22.4	25.6
77.5°	0.0	3.2	3.2	3.2	6.4	6.4	6.4	9.6	12.8	16.0	19.2
75°	0.0	3.2	3.2	3.2	6.4	6.4	6.4	6.4	9.6	9.6	12.8
72.5°	0.0	0.0	0.0	3.2	3.2	6.4	6.4	6.4	9.6	9.6	9.6
70°	0.0	0.0	0.0	3.2	3.2	6.4	6.4	6.4	9.6	9.6	9.6
67.5°	0.0	0.0	0.0	3.2	3.2	6.4	6.4	6.4	9.6	9.6	9.6
65°	0.0	0.0	0.0	3.2	3.2	6.4	6.4	9.6	9.6	9.6	9.6
62.5°	3.2	3.2	3.2	6.4	9.6	9.6	12.8	16.0	16.0	16.0	16.0
60°	32.0	35.2	38.4	38.4	35.2	35.2	38.4	38.4	38.4	38.4	38.4
57.5°	86.3	92.7	95.9	95.9	95.9	92.7	105.5	108.7	95.9	89.5	99.1
55°	300.5	310.1	303.7	294.2	275.0	252.6	246.2	243.0	246.2	230.2	204.6
52.5°	438.0	447.6	444.4	438.0	425.2	409.3	396.5	383.7	370.9	345.3	316.5
50°	569.1	572.3	569.1	562.7	549.9	533.9	508.4	479.6	454.0	447.6	422.0
47.5°	716.2	725.8	725.8	722.6	713.0	684.2	645.9	604.3	585.1	578.7	553.1
45°	847.3	853.7	856.9	860.1	856.9	828.1	792.9	770.5	729.0	716.2	716.2
42.5°	882.5	885.6	888.8	892.0	901.6	879.3	850.5	812.1	802.5	799.3	792.9
40°	895.2	888.8	892.0	895.2	898.4	882.5	860.1	837.7	831.3	824.9	824.9
37.5°	1016.7	988.0	965.6	946.4	930.4	914.4	892.0	872.9	856.9	844.1	856.9
35°	866.5	866.5	888.8	908.0	927.2	946.4	949.6	927.2	892.0	876.1	898.4
32.5°	885.6	885.6	885.6	892.0	898.4	914.4	930.4	940.0	965.6	936.8	936.8
30°	904.8	908.0	914.4	917.6	908.0	901.6	895.2	895.2	911.2	952.8	975.2
27.5°	1016.7	1016.7	1007.1	994.4	965.6	920.8	898.4	866.5	869.7	888.8	943.2
25°	1199.0	1192.6	1170.2	1138.2	1087.1	1023.1	962.4	895.2	866.5	856.9	879.3
22.5°	1371.6	1362.0	1333.3	1304.5	1262.9	1199.0	1096.7	994.4	904.8	866.5	856.9
20°	1592.2	1569.9	1537.9	1493.1	1426.0	1362.0	1272.5	1138.2	1007.1	908.0	869.7
17.5°	1947.1	1918.4	1857.6	1777.7	1662.6	1563.5	1435.6	1307.7	1160.6	1000.7	914.4
15°	2724.1	2650.5	2545.0	2324.4	2097.4	1908.8	1716.9	1502.7	1352.5	1141.4	1010.3
12.5°	4284.4	4082.9	3776.0	3261.2	2752.9	2314.8	2004.7	1729.7	1486.7	1291.7	1106.3
10°	7251.4	6819.8	5972.5	4565.7	3628.9	2823.2	2266.9	1899.2	1592.2	1390.8	1186.2
7.5°	18339.6	14960.1	10586.2	7229.1	4748.0	3449.9	2593.0	2059.1	1704.2	1454.8	1250.1
5°	71478.5	58881.2	31410.1	13108.9	7142.7	4172.5	2887.1	2186.9	1777.7	1502.7	1298.1
2.5°	226850.5	195900.8	102779.9	28219.2	8770.1	4700.0	3088.6	2266.9	1819.3	1537.9	1333.3
0°	325848.0	279263.6	144245.5	37114.1	9511.9	4834.3	3152.5	2282.9	1825.6	1544.3	1333.3
-2.5°	298095.6	260892.0	139340.8	34537.1	9719.7	4872.7	3203.7	2337.2	1873.6	1573.1	1342.9
-5°	177126.3	155365.6	97200.6	24625.5	8635.9	4524.2	3069.4	2289.3	1841.6	1557.1	1336.5
-7.5°	46667.6	40400.9	26575.8	12849.9	5588.9	3827.1	2820.0	2209.3	1800.1	1528.3	1310.9
-10°	11251.2	10662.9	9524.7	5838.2	4351.5	3197.3	2500.3	2065.4	1716.9	1489.9	1269.3
-12.5°	5425.8	5297.9	4808.7	3964.6	3229.3	2656.9	2263.7	1915.2	1640.2	1422.8	1211.8
-15°	3529.8	3456.3	3290.0	2967.1	2593.0	2318.0	2043.1	1761.7	1544.3	1323.7	1163.8
-17.5°	2612.2	2609.0	2525.9	2404.4	2218.9	2014.3	1812.9	1633.8	1422.8	1234.2	1112.7
-20°	2164.6	2164.6	2116.6	2036.7	1905.6	1771.3	1637.0	1470.8	1298.1	1157.4	1106.3

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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°	1838.4	1841.6	1816.1	1764.9	1694.6	1582.7	1451.6	1317.3	1192.6	1141.4	1125.4
-25°	1627.4	1621.0	1592.2	1544.3	1470.8	1381.2	1294.9	1205.4	1170.2	1157.4	1179.8
-27.5°	1378.0	1387.6	1374.8	1352.5	1304.5	1240.5	1221.4	1195.8	1202.2	1221.4	1307.7
-30°	1231.0	1240.5	1253.3	1262.9	1246.9	1231.0	1237.3	1256.5	1298.1	1371.6	1403.6
-32.5°	1231.0	1234.2	1253.3	1272.5	1282.1	1294.9	1330.1	1394.0	1454.8	1435.6	1429.2
-35°	1342.9	1333.3	1358.8	1384.4	1419.6	1464.4	1502.7	1489.9	1467.6	1461.2	1467.6
-37.5°	1662.6	1601.8	1576.3	1560.3	1550.7	1544.3	1534.7	1525.1	1515.5	1509.1	1518.7
-40°	1659.4	1643.4	1627.4	1614.6	1605.0	1592.2	1585.9	1582.7	1573.1	1566.7	1560.3
-42.5°	1653.0	1659.4	1659.4	1656.2	1659.4	1656.2	1646.6	1633.8	1617.8	1605.0	1592.2
-45°	1701.0	1704.2	1710.5	1716.9	1726.5	1713.7	1694.6	1672.2	1649.8	1630.6	1614.6
-47.5°	1729.7	1732.9	1739.3	1748.9	1755.3	1742.5	1716.9	1688.2	1653.0	1621.0	1589.1
-50°	1739.3	1748.9	1752.1	1752.1	1748.9	1732.9	1694.6	1653.0	1614.6	1582.7	1553.9
-52.5°	1694.6	1704.2	1707.3	1701.0	1697.8	1681.8	1646.6	1608.2	1566.7	1544.3	1518.7
-55°	1621.0	1633.8	1643.4	1643.4	1643.4	1640.2	1608.2	1573.1	1541.1	1515.5	1489.9
-57.5°	1592.2	1614.6	1633.8	1637.0	1640.2	1643.4	1621.0	1585.9	1547.5	1509.1	1477.1
-60°	1697.8	1716.9	1726.5	1713.7	1704.2	1694.6	1659.4	1617.8	1579.5	1541.1	1480.3
-62.5°	1669.0	1701.0	1716.9	1707.3	1694.6	1678.6	1640.2	1592.2	1547.5	1505.9	1445.2
-65°	1576.3	1605.0	1624.2	1608.2	1589.1	1566.7	1531.5	1486.7	1445.2	1403.6	1349.3
-67.5°	1419.6	1461.2	1493.1	1458.0	1432.4	1403.6	1374.8	1336.5	1294.9	1246.9	1195.8
-70°	1173.4	1205.4	1234.2	1224.6	1218.2	1211.8	1192.6	1154.2	1119.0	1080.7	1035.9
-72.5°	943.2	972.0	997.6	981.6	968.8	949.6	920.8	879.3	837.7	796.1	754.6
-75°	521.2	530.7	540.3	537.1	537.1	537.1	537.1	540.3	533.9	524.4	505.2
-77.5°	399.7	412.4	422.0	428.4	438.0	450.8	460.4	444.4	428.4	412.4	393.3
-80°	313.3	326.1	335.7	370.9	396.5	425.2	444.4	422.0	399.7	380.5	364.5
-82.5°	236.6	246.2	255.8	275.0	287.8	303.7	316.5	316.5	313.3	310.1	300.5
-85°	172.7	185.4	198.2	204.6	214.2	214.2	217.4	204.6	191.8	182.2	169.5
-87.5°	99.1	102.3	102.3	102.3	105.5	105.5	105.5	99.1	95.9	89.5	86.3
-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°	3.2	3.2	3.2	6.4	6.4	9.6	9.6	12.8	12.8	16.0	16.0
85°	19.2	19.2	19.2	22.4	22.4	25.6	28.8	32.0	35.2	35.2	38.4
82.5°	32.0	35.2	38.4	41.6	44.8	48.0	51.2	54.4	63.9	70.3	73.5
80°	32.0	35.2	44.8	51.2	57.6	63.9	63.9	63.9	63.9	67.1	73.5
77.5°	22.4	25.6	28.8	35.2	51.2	63.9	73.5	79.9	73.5	70.3	63.9
75°	12.8	16.0	19.2	22.4	32.0	44.8	60.7	76.7	89.5	86.3	79.9
72.5°	12.8	12.8	16.0	19.2	22.4	25.6	28.8	44.8	63.9	79.9	89.5
70°	12.8	16.0	16.0	19.2	22.4	25.6	28.8	35.2	44.8	63.9	83.1
67.5°	12.8	16.0	16.0	22.4	28.8	32.0	35.2	32.0	28.8	41.6	60.7
65°	12.8	12.8	16.0	19.2	22.4	25.6	35.2	35.2	32.0	32.0	32.0
62.5°	19.2	19.2	19.2	19.2	22.4	22.4	22.4	28.8	28.8	28.8	28.8
60°	38.4	35.2	35.2	35.2	35.2	28.8	28.8	28.8	25.6	28.8	25.6
57.5°	92.7	76.7	70.3	70.3	60.7	57.6	48.0	35.2	35.2	28.8	28.8
55°	188.6	179.0	150.3	124.7	111.9	99.1	76.7	63.9	48.0	38.4	35.2
52.5°	291.0	265.4	239.8	207.8	175.9	150.3	127.9	99.1	79.9	57.6	44.8
50°	380.5	358.1	329.3	294.2	252.6	220.6	188.6	150.3	118.3	89.5	63.9
47.5°	518.0	473.2	438.0	396.5	348.5	303.7	262.2	217.4	166.3	131.1	99.1
45°	665.0	601.1	553.1	514.8	450.8	390.1	342.1	294.2	233.4	172.7	134.3
42.5°	767.3	719.4	655.4	604.3	546.7	482.8	418.8	367.7	303.7	233.4	172.7
40°	821.7	789.7	738.6	693.8	633.1	562.7	495.6	444.4	377.3	300.5	217.4
37.5°	863.3	847.3	821.7	786.5	729.0	645.9	578.7	518.0	460.4	370.9	281.4
35°	911.2	908.0	892.0	876.1	828.1	748.2	668.2	597.9	527.6	444.4	345.3
32.5°	956.0	952.8	943.2	936.8	917.6	847.3	761.0	681.0	601.1	514.8	406.1
30°	978.4	972.0	972.0	978.4	959.2	914.4	850.5	764.2	674.6	572.3	470.0
27.5°	978.4	972.0	975.2	984.8	981.6	959.2	911.2	840.9	741.8	626.7	527.6
25°	936.8	968.8	968.8	981.6	984.8	978.4	952.8	908.0	805.7	684.2	572.3
22.5°	879.3	956.0	984.8	981.6	984.8	1000.7	1003.9	962.4	866.5	741.8	617.1
20°	879.3	933.6	1016.7	994.4	1000.7	1035.9	1051.9	1016.7	930.4	796.1	661.8
17.5°	898.4	933.6	1003.9	1039.1	1048.7	1077.5	1103.1	1080.7	988.0	853.7	722.6
15°	952.8	946.4	994.4	1080.7	1096.7	1119.0	1147.8	1122.2	1039.1	917.6	780.1
12.5°	991.2	956.0	994.4	1087.1	1138.2	1160.6	1170.2	1151.0	1083.9	975.2	837.7
10°	1042.3	981.6	1000.7	1080.7	1154.2	1170.2	1179.8	1173.4	1125.4	1023.1	888.8
7.5°	1080.7	994.4	994.4	1071.1	1170.2	1183.0	1189.4	1195.8	1160.6	1064.7	933.6
5°	1096.7	994.4	988.0	1061.5	1186.2	1199.0	1199.0	1208.6	1186.2	1096.7	965.6
2.5°	1099.9	991.2	981.6	1055.1	1215.0	1215.0	1208.6	1218.2	1205.4	1115.9	988.0
0°	1115.9	988.0	978.4	1064.7	1246.9	1234.2	1218.2	1221.4	1215.0	1125.4	1000.7
-2.5°	1115.9	1003.9	991.2	1071.1	1243.7	1240.5	1234.2	1237.3	1231.0	1154.2	1026.3
-5°	1131.8	1026.3	1013.5	1099.9	1240.5	1250.1	1253.3	1253.3	1243.7	1173.4	1042.3
-7.5°	1135.0	1042.3	1039.1	1128.6	1246.9	1262.9	1272.5	1278.9	1259.7	1186.2	1055.1
-10°	1119.0	1048.7	1064.7	1163.8	1253.3	1275.7	1294.9	1304.5	1272.5	1192.6	1061.5
-12.5°	1083.9	1048.7	1090.3	1208.6	1269.3	1294.9	1323.7	1326.9	1285.3	1195.8	1064.7
-15°	1080.7	1074.3	1135.0	1253.3	1278.9	1310.9	1355.6	1346.1	1294.9	1195.8	1064.7
-17.5°	1077.5	1109.5	1202.2	1269.3	1294.9	1330.1	1365.2	1355.6	1301.3	1195.8	1058.3
-20°	1106.3	1167.0	1282.1	1285.3	1314.1	1352.5	1371.6	1352.5	1291.7	1186.2	1048.7

REPORT NUMBER: P723651

CATALOG NUMBER: IFLD-M-SA4D-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°	1154.2	1269.3	1307.7	1320.5	1346.1	1374.8	1384.4	1355.6	1282.1	1170.2	1032.7
-25°	1275.7	1333.3	1333.3	1362.0	1387.6	1400.4	1390.8	1358.8	1269.3	1154.2	1016.7
-27.5°	1368.4	1365.2	1381.2	1410.0	1432.4	1432.4	1406.8	1342.9	1250.1	1138.2	994.4
-30°	1403.6	1406.8	1429.2	1461.2	1467.6	1451.6	1413.2	1330.1	1234.2	1112.7	965.6
-32.5°	1438.8	1451.6	1480.3	1496.3	1499.5	1467.6	1397.2	1307.7	1208.6	1083.9	933.6
-35°	1480.3	1505.9	1521.9	1525.1	1509.1	1454.8	1374.8	1278.9	1170.2	1042.3	904.8
-37.5°	1534.7	1547.5	1557.1	1544.3	1499.5	1435.6	1336.5	1240.5	1135.0	997.6	863.3
-40°	1569.9	1576.3	1579.5	1537.9	1483.5	1390.8	1294.9	1195.8	1074.3	946.4	818.5
-42.5°	1592.2	1585.9	1560.3	1515.5	1435.6	1346.1	1253.3	1141.4	1019.9	895.2	770.5
-45°	1585.9	1563.5	1525.1	1470.8	1387.6	1298.1	1189.4	1077.5	962.4	840.9	716.2
-47.5°	1560.3	1525.1	1477.1	1413.2	1336.5	1227.8	1119.0	1010.3	898.4	780.1	665.0
-50°	1528.3	1486.7	1429.2	1349.3	1246.9	1147.8	1048.7	943.2	828.1	719.4	617.1
-52.5°	1493.1	1448.4	1374.8	1285.3	1173.4	1071.1	975.2	872.9	767.3	665.0	575.5
-55°	1454.8	1410.0	1326.9	1224.6	1112.7	1000.7	908.0	821.7	719.4	620.3	540.3
-57.5°	1435.6	1378.0	1291.7	1189.4	1071.1	956.0	876.1	783.3	690.6	588.3	511.6
-60°	1419.6	1362.0	1282.1	1163.8	1051.9	943.2	850.5	761.0	661.8	565.9	489.2
-62.5°	1374.8	1314.1	1240.5	1125.4	1016.7	917.6	834.5	729.0	633.1	543.5	473.2
-65°	1285.3	1221.4	1157.4	1055.1	956.0	863.3	780.1	684.2	594.7	518.0	457.2
-67.5°	1144.6	1090.3	1032.7	946.4	863.3	780.1	703.4	620.3	546.7	492.4	460.4
-70°	988.0	930.4	872.9	802.5	732.2	665.0	604.3	543.5	495.6	466.8	441.2
-72.5°	719.4	693.8	665.0	610.7	553.1	511.6	482.8	457.2	422.0	396.5	380.5
-75°	479.6	444.4	399.7	380.5	383.7	377.3	361.3	342.1	326.1	316.5	294.2
-77.5°	374.1	354.9	332.5	310.1	300.5	291.0	278.2	262.2	249.4	227.0	195.0
-80°	345.3	329.3	313.3	297.3	281.4	259.0	233.4	207.8	195.0	185.4	182.2
-82.5°	284.6	265.4	246.2	230.2	207.8	191.8	175.9	163.1	163.1	159.9	156.7
-85°	163.1	156.7	147.1	140.7	134.3	124.7	115.1	108.7	105.5	102.3	99.1
-87.5°	83.1	79.9	73.5	70.3	67.1	63.9	57.6	54.4	51.2	51.2	48.0
-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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CATALOG NUMBER: IFLD-M-SA4D-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°	16.0	16.0	12.8	12.8	12.8	9.6	6.4	6.4	3.2	3.2	0.0
85°	38.4	32.0	28.8	25.6	25.6	19.2	12.8	9.6	6.4	3.2	3.2
82.5°	73.5	63.9	54.4	48.0	38.4	28.8	22.4	16.0	9.6	6.4	3.2
80°	83.1	83.1	79.9	67.1	54.4	41.6	28.8	19.2	12.8	9.6	6.4
77.5°	63.9	70.3	70.3	70.3	67.1	51.2	35.2	22.4	12.8	9.6	6.4
75°	73.5	63.9	60.7	63.9	60.7	51.2	41.6	25.6	16.0	12.8	6.4
72.5°	89.5	76.7	67.1	63.9	57.6	48.0	38.4	28.8	16.0	12.8	9.6
70°	83.1	79.9	73.5	67.1	57.6	48.0	38.4	28.8	19.2	12.8	9.6
67.5°	73.5	73.5	73.5	67.1	57.6	44.8	35.2	25.6	19.2	12.8	9.6
65°	51.2	60.7	67.1	63.9	57.6	44.8	35.2	25.6	19.2	16.0	9.6
62.5°	32.0	41.6	54.4	60.7	54.4	44.8	32.0	25.6	19.2	16.0	9.6
60°	28.8	32.0	38.4	48.0	51.2	41.6	32.0	22.4	19.2	16.0	9.6
57.5°	28.8	28.8	32.0	38.4	41.6	38.4	28.8	19.2	19.2	16.0	12.8
55°	32.0	28.8	28.8	32.0	35.2	35.2	28.8	19.2	19.2	16.0	12.8
52.5°	38.4	32.0	28.8	28.8	28.8	32.0	25.6	19.2	19.2	16.0	12.8
50°	48.0	38.4	35.2	28.8	28.8	28.8	25.6	19.2	16.0	16.0	12.8
47.5°	63.9	51.2	38.4	35.2	28.8	25.6	22.4	19.2	16.0	16.0	12.8
45°	95.9	60.7	51.2	38.4	32.0	28.8	25.6	19.2	16.0	16.0	12.8
42.5°	131.1	89.5	63.9	44.8	35.2	28.8	25.6	22.4	16.0	16.0	12.8
40°	166.3	121.5	79.9	57.6	41.6	32.0	25.6	22.4	19.2	16.0	12.8
37.5°	204.6	150.3	105.5	73.5	48.0	35.2	28.8	22.4	19.2	16.0	12.8
35°	252.6	188.6	131.1	89.5	57.6	41.6	32.0	22.4	19.2	16.0	12.8
32.5°	306.9	223.8	156.7	108.7	73.5	51.2	35.2	25.6	19.2	16.0	12.8
30°	358.1	265.4	185.4	131.1	89.5	57.6	38.4	25.6	19.2	16.0	9.6
27.5°	409.3	306.9	220.6	153.5	108.7	67.1	41.6	28.8	19.2	16.0	12.8
25°	460.4	348.5	255.8	175.9	124.7	79.9	51.2	32.0	19.2	16.0	12.8
22.5°	505.2	390.1	287.8	201.4	143.9	92.7	57.6	35.2	22.4	16.0	12.8
20°	556.3	434.8	322.9	230.2	159.9	105.5	63.9	38.4	22.4	16.0	12.8
17.5°	604.3	479.6	358.1	255.8	179.0	118.3	73.5	41.6	25.6	16.0	12.8
15°	652.2	521.2	390.1	281.4	198.2	131.1	79.9	44.8	28.8	16.0	12.8
12.5°	697.0	559.5	418.8	303.7	214.2	143.9	86.3	48.0	32.0	16.0	12.8
10°	738.6	594.7	447.6	322.9	230.2	153.5	92.7	54.4	35.2	16.0	12.8
7.5°	780.1	623.5	470.0	342.1	249.4	166.3	99.1	57.6	38.4	19.2	12.8
5°	805.7	649.0	489.2	358.1	265.4	179.0	105.5	60.7	41.6	19.2	12.8
2.5°	828.1	668.2	502.0	374.1	281.4	188.6	105.5	63.9	44.8	19.2	12.8
0°	840.9	681.0	511.6	383.7	294.2	195.0	108.7	67.1	48.0	19.2	12.8
-2.5°	869.7	703.4	533.9	396.5	306.9	214.2	115.1	70.3	51.2	22.4	12.8
-5°	888.8	716.2	549.9	409.3	316.5	233.4	124.7	76.7	57.6	28.8	16.0
-7.5°	904.8	729.0	562.7	415.6	326.1	239.8	127.9	79.9	60.7	32.0	16.0
-10°	908.0	735.4	572.3	425.2	332.5	249.4	131.1	83.1	63.9	35.2	16.0
-12.5°	911.2	741.8	575.5	431.6	338.9	255.8	134.3	86.3	67.1	38.4	16.0
-15°	908.0	738.6	575.5	438.0	342.1	249.4	140.7	89.5	70.3	41.6	16.0
-17.5°	901.6	735.4	572.3	434.8	338.9	243.0	143.9	95.9	70.3	44.8	19.2
-20°	892.0	725.8	565.9	431.6	335.7	236.6	147.1	99.1	73.5	44.8	19.2



REPORT NUMBER: P723651

CATALOG NUMBER: IFLD-M-SA4D-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°	876.1	709.8	553.1	422.0	329.3	230.2	147.1	105.5	76.7	44.8	19.2
-25°	856.9	693.8	540.3	409.3	319.7	220.6	147.1	108.7	79.9	44.8	19.2
-27.5°	834.5	677.8	521.2	399.7	306.9	214.2	147.1	111.9	83.1	44.8	19.2
-30°	808.9	655.4	505.2	383.7	297.3	214.2	150.3	115.1	86.3	44.8	19.2
-32.5°	783.3	633.1	486.0	370.9	284.6	211.0	150.3	118.3	89.5	41.6	22.4
-35°	754.6	607.5	470.0	361.3	275.0	204.6	153.5	118.3	86.3	41.6	22.4
-37.5°	719.4	575.5	454.0	351.7	268.6	198.2	153.5	121.5	83.1	41.6	22.4
-40°	681.0	549.9	434.8	338.9	259.0	195.0	153.5	121.5	79.9	41.6	25.6
-42.5°	639.5	521.2	415.6	326.1	249.4	191.8	153.5	121.5	76.7	41.6	25.6
-45°	601.1	492.4	393.3	310.1	239.8	191.8	153.5	118.3	70.3	44.8	25.6
-47.5°	559.5	460.4	367.7	294.2	236.6	188.6	150.3	111.9	63.9	44.8	25.6
-50°	524.4	428.4	348.5	278.2	230.2	191.8	153.5	102.3	63.9	44.8	25.6
-52.5°	489.2	406.1	326.1	271.8	223.8	195.0	150.3	95.9	63.9	44.8	25.6
-55°	460.4	383.7	313.3	262.2	230.2	201.4	143.9	86.3	63.9	44.8	25.6
-57.5°	438.0	370.9	303.7	265.4	239.8	195.0	134.3	83.1	63.9	41.6	25.6
-60°	422.0	358.1	306.9	278.2	243.0	185.4	127.9	83.1	63.9	41.6	22.4
-62.5°	409.3	361.3	322.9	287.8	230.2	172.7	121.5	83.1	57.6	38.4	22.4
-65°	412.4	374.1	329.3	275.0	220.6	159.9	111.9	79.9	54.4	35.2	22.4
-67.5°	422.0	364.5	310.1	259.0	198.2	143.9	102.3	73.5	51.2	35.2	22.4
-70°	390.1	335.7	281.4	220.6	169.5	124.7	95.9	67.1	44.8	32.0	22.4
-72.5°	351.7	281.4	223.8	179.0	143.9	115.1	86.3	60.7	41.6	28.8	19.2
-75°	255.8	204.6	166.3	150.3	127.9	102.3	76.7	54.4	38.4	28.8	19.2
-77.5°	182.2	169.5	153.5	137.5	115.1	89.5	67.1	51.2	35.2	25.6	16.0
-80°	179.0	163.1	143.9	118.3	95.9	76.7	57.6	44.8	32.0	22.4	12.8
-82.5°	150.3	127.9	108.7	89.5	73.5	60.7	48.0	35.2	25.6	16.0	9.6
-85°	92.7	79.9	70.3	60.7	51.2	41.6	32.0	22.4	16.0	9.6	6.4
-87.5°	44.8	41.6	35.2	28.8	25.6	19.2	16.0	12.8	9.6	6.4	3.2
-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-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°	3.2	0.0	0.0	0.0
80°	3.2	0.0	0.0	0.0
77.5°	3.2	0.0	0.0	0.0
75°	3.2	3.2	0.0	0.0
72.5°	3.2	3.2	0.0	0.0
70°	6.4	3.2	3.2	0.0
67.5°	6.4	3.2	3.2	0.0
65°	6.4	3.2	3.2	0.0
62.5°	6.4	3.2	3.2	0.0
60°	6.4	3.2	3.2	0.0
57.5°	6.4	3.2	3.2	0.0
55°	6.4	3.2	3.2	0.0
52.5°	6.4	3.2	3.2	0.0
50°	6.4	3.2	3.2	0.0
47.5°	6.4	6.4	3.2	0.0
45°	6.4	6.4	3.2	0.0
42.5°	6.4	6.4	3.2	0.0
40°	6.4	6.4	3.2	0.0
37.5°	6.4	6.4	3.2	0.0
35°	6.4	6.4	3.2	0.0
32.5°	9.6	6.4	3.2	0.0
30°	9.6	6.4	6.4	0.0
27.5°	9.6	6.4	6.4	0.0
25°	9.6	6.4	6.4	0.0
22.5°	9.6	6.4	6.4	0.0
20°	9.6	6.4	6.4	0.0
17.5°	9.6	6.4	6.4	0.0
15°	9.6	6.4	6.4	0.0
12.5°	9.6	6.4	6.4	0.0
10°	9.6	6.4	6.4	0.0
7.5°	9.6	6.4	6.4	0.0
5°	9.6	6.4	6.4	0.0
2.5°	9.6	6.4	6.4	0.0
0°	9.6	6.4	6.4	0.0
-2.5°	9.6	6.4	6.4	0.0
-5°	9.6	6.4	6.4	0.0
-7.5°	9.6	6.4	6.4	0.0
-10°	9.6	6.4	6.4	0.0
-12.5°	12.8	6.4	6.4	0.0
-15°	12.8	6.4	6.4	0.0
-17.5°	12.8	6.4	6.4	0.0
-20°	12.8	6.4	6.4	0.0

REPORT NUMBER: P723651

CATALOG NUMBER: IFLD-M-SA4D-727-U-11-VI

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	12.8	6.4	6.4	0.0
-25°	12.8	6.4	6.4	0.0
-27.5°	12.8	6.4	6.4	0.0
-30°	12.8	6.4	6.4	0.0
-32.5°	12.8	6.4	6.4	0.0
-35°	12.8	6.4	6.4	0.0
-37.5°	12.8	6.4	6.4	0.0
-40°	12.8	6.4	6.4	0.0
-42.5°	9.6	6.4	3.2	0.0
-45°	12.8	6.4	3.2	0.0
-47.5°	12.8	6.4	3.2	0.0
-50°	12.8	6.4	3.2	0.0
-52.5°	12.8	6.4	3.2	0.0
-55°	12.8	6.4	3.2	0.0
-57.5°	12.8	6.4	3.2	0.0
-60°	12.8	6.4	3.2	0.0
-62.5°	12.8	6.4	3.2	0.0
-65°	12.8	6.4	3.2	0.0
-67.5°	12.8	6.4	3.2	0.0
-70°	12.8	3.2	3.2	0.0
-72.5°	9.6	3.2	3.2	0.0
-75°	9.6	3.2	3.2	0.0
-77.5°	6.4	3.2	0.0	0.0
-80°	6.4	3.2	0.0	0.0
-82.5°	6.4	3.2	0.0	0.0
-85°	3.2	0.0	0.0	0.0
-87.5°	3.2	0.0	0.0	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)