

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: INVUE

Report Number: P367646

Luminaire Tested: **MSA-SA2D-830-U-SLR**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P367646
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-24)
Test Lab: INNOVATION CENTER
Issue Date: 12/2/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: MSA-SA2D-830-U-SLR
Description: MESA POST TOP DECORATIVE LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS.
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9181 lumens
Efficiency: N/A
Efficacy: 71.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

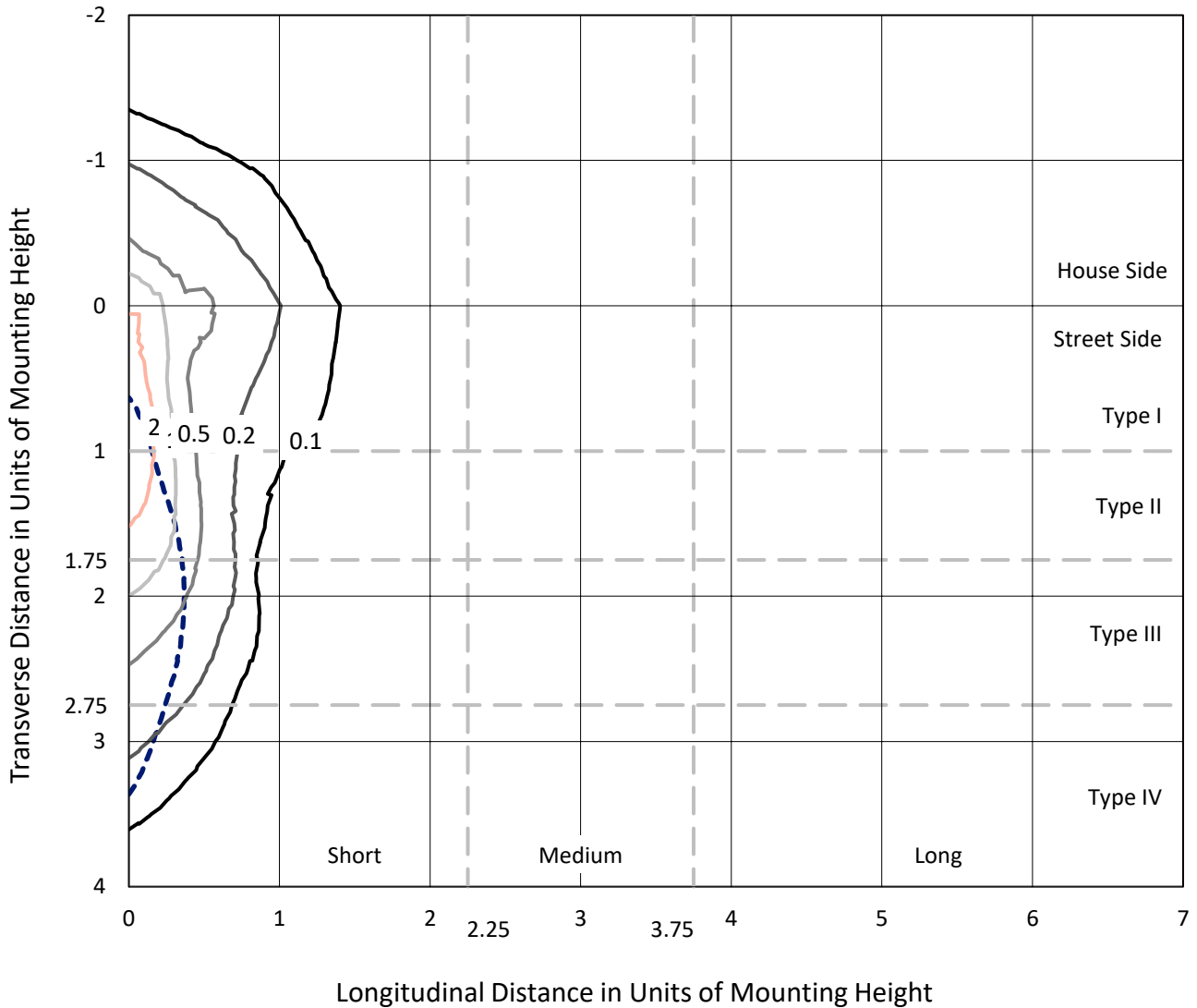
Input Watts (W): 129
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

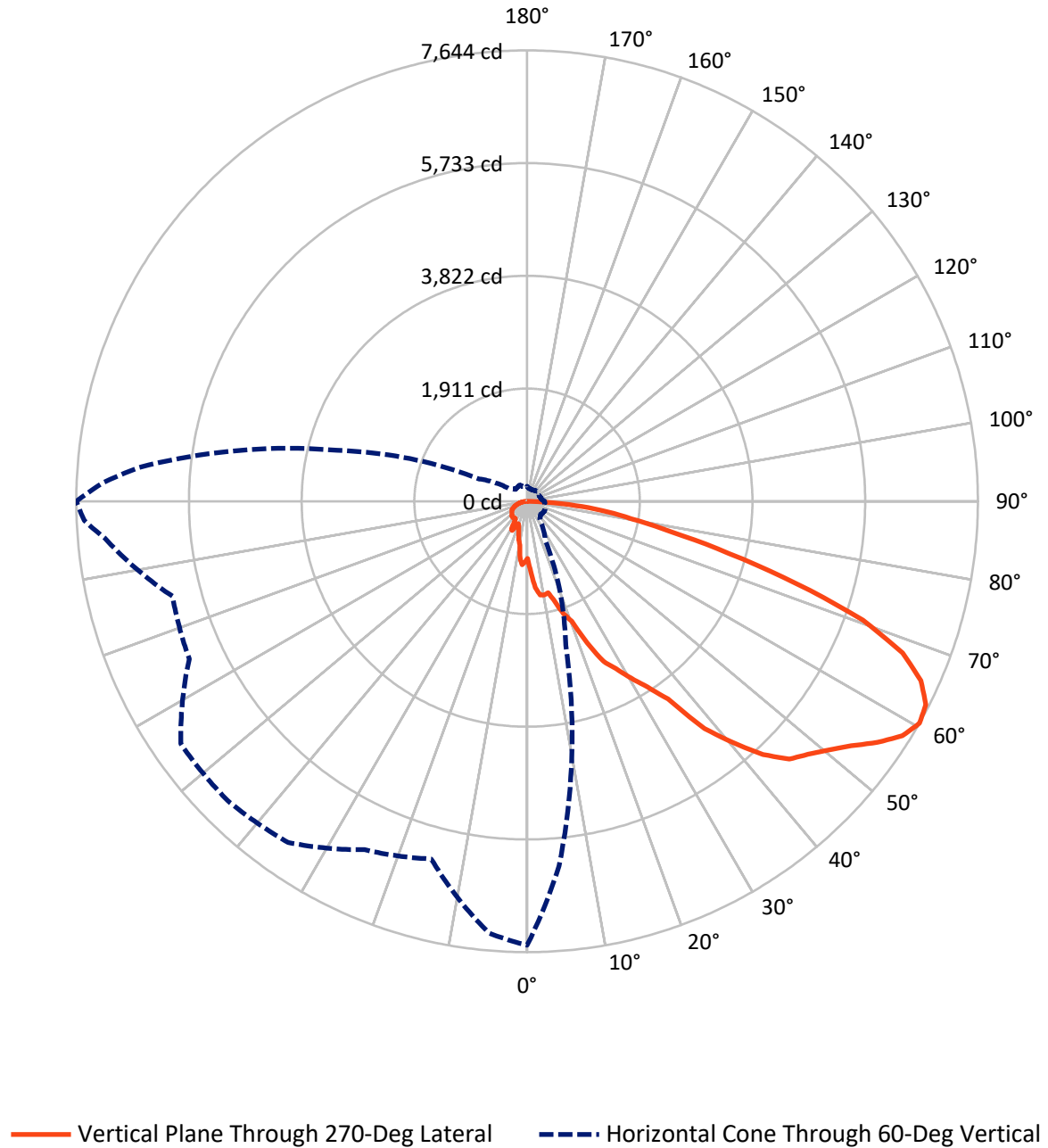
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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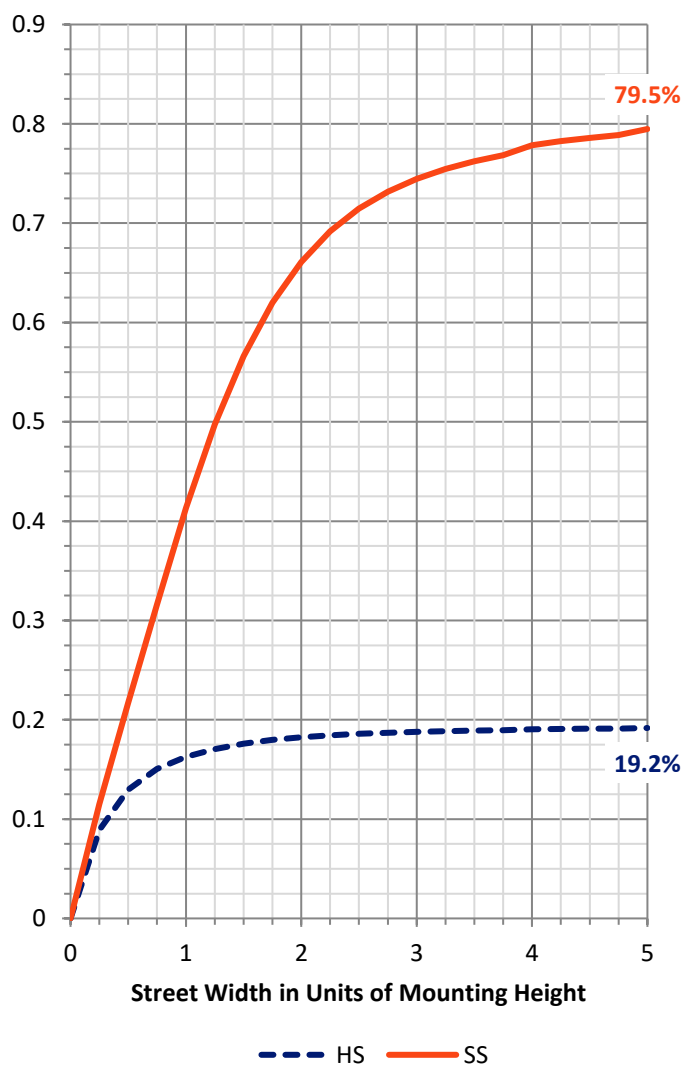
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1778.2	0.0	1778.2
	% Fixture	19.4	0.0	19.4
Street Side	Lumens	7402.8	0.0	7402.8
	% Fixture	80.6	0.0	80.6
Total	Lumens	9181.0	0.0	9181.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.0	1.2
10°-20°	322.6	3.5
20°-30°	569.5	6.2
30°-40°	886.9	9.7
40°-50°	1460.2	15.9
50°-60°	2084.2	22.7
60°-70°	2210.0	24.1
70°-80°	1220.7	13.3
80°-90°	315.8	3.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	9181.0	100.0
0°-180°	9181.0	100.0

Coefficient of Utilization



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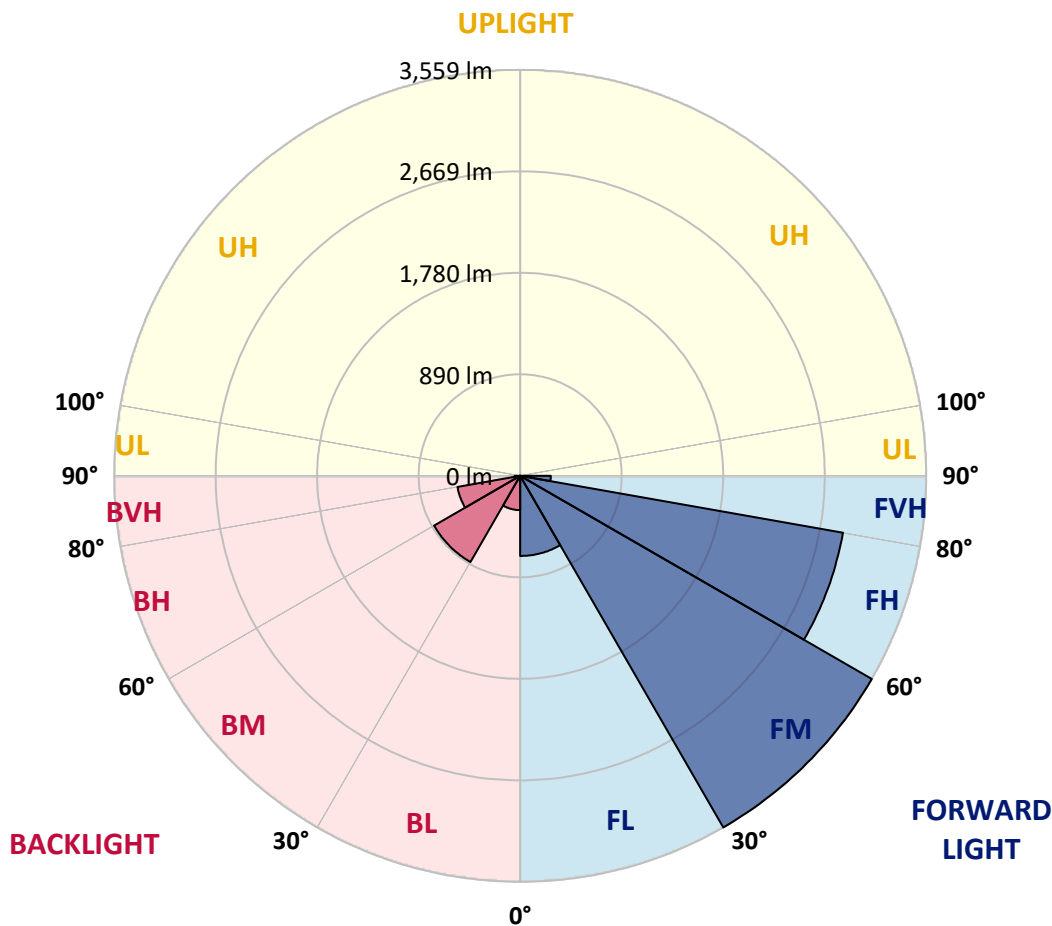
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	702.5	7.7			
FM (30°-60°)	3559.1	38.8			
FH (60°-80°)	2872.8	31.3			G2/5000
FVH (80°-90°)	268.4	2.9			G3/500
BL (0°-30°)	300.6	3.3	B1/500		
BM (30°-60°)	872.2	9.5	B1/1000		
BH (60°-80°)	557.9	6.1	B2/1000		G2/1000
BVH (80°-90°)	47.4	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	968.4	968.4	968.4	968.4	968.4	968.4	968.4	968.4	968.4	968.4	968.4
2.5°	1296.8	1304.8	1312.4	1297.2	1282.1	1266.5	1251.3	1228.6	1205.4	1182.7	1159.5
5°	1557.5	1528.1	1498.2	1486.2	1474.6	1462.6	1450.5	1439.4	1428.2	1416.7	1405.5
7.5°	1639.0	1597.1	1554.8	1537.0	1519.2	1500.9	1483.1	1443.0	1402.8	1362.3	1322.2
10°	1549.5	1505.8	1461.7	1444.3	1426.5	1409.1	1391.3	1342.2	1293.7	1244.6	1195.6
12.5°	1621.7	1577.1	1532.1	1476.8	1421.6	1365.9	1310.6	1283.4	1256.2	1228.6	1201.4
15°	1691.2	1631.0	1570.4	1515.1	1459.9	1404.2	1348.9	1294.6	1240.2	1185.8	1131.5
17.5°	1945.2	1844.9	1744.6	1644.8	1544.6	1444.7	1344.5	1281.6	1218.4	1155.5	1092.2
20°	2254.9	2115.4	1975.5	1824.0	1672.0	1520.5	1368.5	1289.2	1210.3	1131.0	1051.7
22.5°	2623.4	2447.4	2271.4	2080.2	1889.0	1697.4	1506.2	1391.3	1276.3	1160.9	1045.9
25°	2916.2	2746.9	2577.5	2335.1	2092.7	1850.3	1607.8	1477.3	1346.7	1215.7	1085.1
27.5°	3200.5	2930.9	2660.9	2383.2	2106.1	1828.4	1550.8	1430.0	1309.3	1188.5	1067.7
30°	3440.7	3226.8	3012.9	2650.6	2288.3	1925.6	1563.3	1414.9	1266.5	1118.1	969.7
32.5°	3792.3	3487.1	3181.4	2803.5	2425.6	2047.7	1669.8	1479.9	1290.1	1100.3	910.4
35°	4203.6	3886.3	3569.1	3101.6	2634.6	2167.1	1699.6	1498.7	1297.2	1096.3	894.8
37.5°	4970.6	4411.3	3851.6	3341.3	2831.1	2320.4	1810.2	1576.6	1343.1	1109.2	875.7
40°	5393.5	4876.5	4359.6	3723.7	3087.8	2451.4	1815.5	1576.6	1337.3	1098.5	859.2
42.5°	5957.2	5303.5	4649.3	3961.7	3274.5	2586.9	1899.3	1634.6	1369.9	1104.7	840.0
45°	6300.8	5572.2	4843.1	4108.3	3373.4	2638.6	1903.7	1635.0	1366.3	1097.6	828.9
47.5°	6522.3	5822.6	5122.5	4331.5	3540.5	2749.1	1958.1	1672.9	1387.2	1102.0	816.4
50°	6732.1	6039.2	5345.8	4524.5	3703.6	2882.3	2061.0	1749.5	1438.1	1126.1	814.6
52.5°	6989.7	6351.6	5713.0	4832.0	3950.5	3069.5	2188.0	1848.9	1509.8	1170.7	831.5
55°	7364.5	6735.7	6106.5	5160.9	4214.8	3269.1	2323.1	1946.5	1570.4	1193.8	817.3
57.5°	7607.4	6969.7	6332.0	5367.6	4403.3	3438.5	2474.1	2057.0	1639.9	1222.4	805.3
60°	7526.7	6869.0	6210.8	5291.4	4372.1	3452.7	2533.4	2082.9	1632.8	1182.3	731.7
62.5°	7170.2	6471.0	5771.8	4948.3	4125.2	3301.7	2478.2	2020.0	1562.4	1104.3	646.2
65°	6672.0	5949.2	5225.9	4483.0	3740.2	2997.3	2254.4	1838.7	1422.5	1006.7	590.5
67.5°	6060.6	5307.0	4553.0	3895.3	3237.5	2579.3	1921.6	1574.0	1226.8	879.2	531.6
70°	5293.7	4553.0	3812.4	3243.3	2674.2	2105.2	1536.1	1274.5	1013.4	751.8	490.2
72.5°	4254.9	3615.9	2976.8	2529.0	2081.1	1633.2	1185.4	1003.6	822.2	640.4	458.6
75°	3026.3	2650.6	2274.9	1926.5	1578.0	1229.1	880.6	762.9	645.3	527.6	410.0
77.5°	2150.6	1929.1	1707.7	1434.5	1161.3	888.1	615.0	545.9	477.3	408.2	339.1
80°	1590.0	1405.1	1220.1	1014.3	808.4	602.5	396.6	362.7	329.3	295.5	261.6
82.5°	1046.8	963.5	879.7	716.6	553.5	390.4	227.3	214.8	202.3	189.8	177.4
85°	468.8	495.1	520.9	421.1	320.9	221.0	120.8	115.0	109.2	103.4	97.6
87.5°	45.0	66.4	87.8	75.3	62.4	49.9	37.0	36.5	36.5	36.1	35.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	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):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	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°
0°	968.4	968.4	968.4	968.4	968.4	968.4	968.4	968.4	968.4	968.4	968.4
2.5°	1165.8	1172.0	1178.2	1184.5	1177.8	1171.1	1164.0	1157.3	1148.8	1140.4	1131.5
5°	1386.8	1367.6	1348.9	1329.8	1301.2	1272.7	1243.8	1215.2	1211.7	1207.7	1204.1
7.5°	1287.0	1252.2	1217.0	1181.8	1137.3	1093.1	1048.6	1004.0	990.6	977.3	963.9
10°	1172.0	1147.9	1124.3	1100.3	1072.6	1045.0	1016.9	989.3	952.8	915.8	879.2
12.5°	1162.2	1123.0	1083.3	1044.1	1027.2	1010.2	993.3	976.4	944.3	912.2	879.7
15°	1099.8	1067.7	1036.1	1004.0	979.5	955.0	930.5	906.0	880.1	853.8	828.0
17.5°	1055.7	1019.2	982.6	946.1	918.0	889.9	861.4	833.3	802.1	770.5	739.3
20°	1009.8	968.4	926.5	884.6	848.9	813.7	778.1	742.4	708.1	674.2	639.9
22.5°	991.1	936.3	881.5	826.6	789.2	751.3	713.9	676.0	644.4	612.7	581.1
25°	1019.6	954.5	889.0	823.5	773.2	722.4	672.0	621.2	594.9	568.6	541.9
27.5°	986.2	904.2	822.6	740.6	686.7	632.4	578.4	524.1	520.1	516.0	511.6
30°	883.7	797.7	711.7	625.7	576.2	526.3	476.8	426.9	417.6	407.8	398.4
32.5°	822.6	734.8	647.1	559.3	515.1	470.6	426.5	381.9	371.2	360.5	349.8
35°	799.5	704.1	608.7	513.4	475.5	437.6	399.7	361.9	354.3	347.1	339.6
37.5°	780.7	686.3	591.4	496.4	459.9	423.3	386.4	349.8	344.0	338.2	332.4
40°	762.9	667.1	570.9	474.6	442.1	410.0	377.4	344.9	341.4	337.8	333.8
42.5°	746.9	653.7	560.2	467.0	438.1	409.5	380.6	351.6	348.0	344.5	340.9
45°	738.0	647.1	556.1	465.2	444.3	423.3	402.0	381.0	372.5	364.1	355.2
47.5°	731.3	646.2	561.0	475.9	454.1	432.3	410.4	388.6	381.0	373.4	365.4
50°	732.6	651.1	569.1	487.1	460.8	434.0	407.8	381.0	380.1	379.2	378.3
52.5°	744.6	658.2	571.3	484.4	455.9	427.4	398.4	369.9	375.7	381.0	386.8
55°	727.3	637.3	546.8	456.8	429.6	402.9	375.7	348.5	356.1	363.2	370.8
57.5°	707.7	610.1	512.5	414.9	394.4	373.9	352.9	332.4	340.5	348.9	357.0
60°	642.6	553.5	464.3	375.2	361.4	347.6	333.8	320.0	323.5	327.1	330.7
62.5°	571.3	496.0	421.1	345.8	335.1	324.0	313.3	302.1	302.1	302.6	302.6
65°	525.8	461.2	396.6	332.0	320.0	307.9	295.5	283.4	281.6	279.9	278.1
67.5°	480.4	429.6	378.3	327.1	309.7	292.8	275.4	258.0	255.8	254.0	251.8
70°	444.7	399.3	353.8	308.4	288.8	269.6	250.0	230.4	228.6	227.3	225.5
72.5°	415.8	373.4	330.7	287.9	267.4	246.4	225.9	205.0	203.7	202.3	200.5
75°	372.1	334.7	296.8	258.9	238.9	219.3	199.2	179.1	177.4	176.0	174.2
77.5°	307.9	276.3	245.1	213.5	197.9	182.7	167.1	151.5	150.6	149.7	148.4
80°	237.1	212.6	187.6	163.1	152.9	142.2	131.9	121.2	120.8	120.3	119.4
82.5°	162.7	147.9	133.2	118.5	111.0	102.9	95.4	87.3	87.8	88.2	88.7
85°	92.7	87.3	82.4	77.1	70.9	65.1	58.8	52.6	53.9	55.3	56.1
87.5°	33.9	32.1	30.3	28.5	25.4	22.7	19.6	16.5	17.4	18.7	19.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367646
 CATALOG NUMBER: MSA-SA2D-830-U-SLR

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367646

CATALOG NUMBER: MSA-SA2D-830-U-SLR

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	968.4	968.4	968.4	968.4	968.4	968.4	968.4	968.4	968.4	968.4	968.4
2.5°	1123.0	1109.6	1096.3	1082.9	1069.5	1041.9	1014.7	987.1	959.4	976.4	993.8
5°	1200.1	1177.4	1154.2	1131.5	1108.3	1095.4	1082.4	1069.5	1056.6	1063.3	1070.4
7.5°	950.5	937.2	923.3	910.0	896.2	890.4	885.0	879.2	873.4	889.9	906.4
10°	842.2	823.5	804.8	785.6	766.9	755.8	744.6	733.5	722.4	726.8	731.3
12.5°	847.6	820.0	792.3	764.7	737.1	720.6	704.1	687.6	671.1	675.1	679.1
15°	801.7	773.2	744.6	716.1	687.6	668.4	648.8	629.7	610.1	603.4	596.3
17.5°	707.7	676.5	645.3	614.1	582.9	570.0	557.0	544.1	531.2	524.1	516.9
20°	605.6	576.6	547.7	518.7	489.7	480.8	471.9	462.6	453.7	449.2	444.3
22.5°	549.5	531.6	513.4	495.5	477.3	467.0	457.2	447.0	436.7	431.8	426.5
25°	515.6	519.2	523.2	526.7	530.3	525.8	520.9	516.5	511.6	513.4	514.7
27.5°	507.6	515.1	523.2	530.7	538.3	542.3	546.3	550.4	554.4	555.7	557.0
30°	388.6	392.6	396.2	400.2	403.7	414.9	426.0	436.7	447.9	465.2	483.1
32.5°	339.1	337.8	336.5	334.7	333.3	336.0	338.7	340.9	343.6	349.8	356.5
35°	332.0	328.9	325.3	322.2	318.6	320.0	321.3	322.6	324.0	328.9	333.8
37.5°	326.6	325.3	324.4	323.1	321.7	324.9	327.5	330.7	333.3	337.3	341.4
40°	330.2	329.8	329.3	328.4	328.0	329.8	331.5	333.3	335.1	340.5	345.8
42.5°	337.3	337.3	336.9	336.9	336.5	338.2	339.6	341.4	342.7	345.8	348.9
45°	346.7	345.8	345.4	344.5	343.6	343.1	343.1	342.7	342.2	344.0	346.3
47.5°	357.8	354.7	351.2	348.0	344.5	343.6	342.2	341.4	340.0	340.9	341.8
50°	377.4	369.0	361.0	352.5	344.0	341.8	339.6	337.3	335.1	334.7	334.7
52.5°	392.2	379.7	367.2	354.7	342.2	338.2	334.2	330.2	326.2	325.3	324.9
55°	377.9	368.5	359.6	350.3	340.9	335.1	328.9	323.1	316.8	315.5	314.2
57.5°	365.0	359.2	353.4	347.6	341.8	336.0	329.8	324.0	317.7	314.6	311.5
60°	334.2	334.2	334.7	334.7	334.7	328.4	322.2	316.0	309.7	306.6	303.9
62.5°	302.6	307.5	311.9	316.8	321.3	312.8	303.9	295.5	286.5	284.3	282.5
65°	276.3	277.6	279.4	280.7	282.1	275.4	268.7	262.0	255.3	254.0	252.2
67.5°	249.6	249.1	248.7	247.8	247.3	243.3	238.9	234.8	230.4	228.6	226.8
70°	223.7	223.3	222.8	221.9	221.5	217.9	214.3	210.8	207.2	205.9	204.5
72.5°	199.2	198.8	197.9	197.4	196.5	193.4	190.7	187.6	184.5	182.7	180.9
75°	172.5	171.6	170.7	169.8	168.9	166.2	163.5	160.4	157.8	156.0	154.2
77.5°	147.5	146.2	144.8	143.0	141.7	139.5	136.8	134.6	131.9	129.7	127.9
80°	119.0	118.1	117.2	115.9	115.0	112.7	110.5	107.8	105.6	102.9	100.7
82.5°	89.1	88.7	87.8	87.3	86.5	84.2	82.0	79.8	77.5	74.9	72.2
85°	57.5	57.0	56.6	56.1	55.7	53.9	52.6	50.8	49.0	46.3	44.1
87.5°	20.5	19.6	19.2	18.3	17.4	16.9	16.0	15.6	14.7	13.4	12.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367646
 CATALOG NUMBER: MSA-SA2D-830-U-SLR

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367646

CATALOG NUMBER: MSA-SA2D-830-U-SLR

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	968.4	968.4	968.4	968.4	968.4	968.4	968.4	968.4	968.4	968.4	968.4
2.5°	1010.7	1027.6	1028.1	1028.1	1036.1	1043.7	1028.1	1012.5	996.4	980.8	965.2
5°	1077.1	1083.8	1082.0	1079.8	1070.0	1060.2	1049.9	1039.7	1029.4	1019.2	1019.6
7.5°	922.9	939.4	952.8	965.7	953.2	940.7	934.0	927.4	920.7	914.0	913.1
10°	735.3	739.7	745.1	750.0	742.4	734.4	747.8	761.1	774.1	787.4	772.7
12.5°	683.2	687.2	677.8	668.0	664.9	661.8	658.6	655.1	652.0	648.4	646.6
15°	589.6	582.4	575.3	567.7	566.0	563.7	561.5	558.8	556.6	553.9	545.9
17.5°	509.8	502.7	490.6	478.2	473.3	467.9	466.6	465.2	463.5	462.1	454.5
20°	439.8	434.9	431.8	428.3	423.3	418.4	413.5	408.6	403.3	398.4	391.3
22.5°	421.6	416.2	412.2	407.8	406.9	406.0	397.1	387.7	378.8	369.4	365.4
25°	516.5	517.8	493.3	468.4	466.1	463.9	447.9	431.4	415.3	398.8	385.0
27.5°	557.9	559.3	558.4	557.5	550.4	542.8	515.6	488.0	460.8	433.2	413.5
30°	500.4	517.8	524.5	531.2	526.3	520.9	492.4	464.3	435.8	407.3	394.4
32.5°	362.7	369.0	380.1	390.8	396.6	402.0	393.0	384.1	375.2	366.3	364.1
35°	338.2	343.1	345.4	347.6	344.0	340.5	333.8	327.1	320.0	313.3	311.9
37.5°	344.9	348.9	353.4	357.8	348.0	337.8	330.2	323.1	315.5	307.9	301.7
40°	351.2	356.5	359.2	361.9	352.0	342.2	332.9	324.0	314.6	305.3	299.0
42.5°	352.0	355.2	360.1	365.0	351.2	336.9	328.4	319.5	311.1	302.1	295.9
45°	348.0	349.8	354.3	358.7	342.7	326.2	318.6	310.6	303.0	295.0	289.7
47.5°	342.2	343.1	346.7	349.8	332.9	315.5	308.4	301.2	293.7	286.5	281.2
50°	334.2	333.8	336.5	338.7	321.3	303.9	296.8	290.1	283.0	275.8	271.4
52.5°	324.0	323.1	325.8	328.0	309.7	291.4	285.2	279.4	273.2	266.9	263.4
55°	312.4	311.1	313.3	315.5	297.7	279.4	274.1	268.3	262.9	257.1	254.0
57.5°	307.9	304.8	306.1	307.5	287.4	267.4	262.0	256.7	251.3	246.0	243.8
60°	300.8	297.7	299.0	299.9	278.5	256.7	251.8	246.4	241.5	236.2	234.0
62.5°	280.3	278.1	279.9	281.6	262.5	242.9	238.4	234.4	229.9	225.5	222.4
65°	250.9	249.1	252.7	256.2	239.7	223.3	220.6	217.9	214.8	212.1	209.0
67.5°	225.0	223.3	226.8	230.4	218.4	206.3	203.7	201.0	198.3	195.6	193.8
70°	203.2	201.9	205.0	208.1	197.9	187.6	184.9	182.7	180.0	177.4	176.0
72.5°	178.7	176.9	180.9	184.5	176.0	167.1	164.9	162.2	160.0	157.3	156.4
75°	152.4	150.6	154.2	157.3	151.5	145.3	143.0	140.8	138.6	136.4	135.9
77.5°	125.7	123.4	127.0	130.1	126.6	122.5	120.8	118.5	116.8	114.5	114.5
80°	98.0	95.4	98.0	100.3	98.9	97.6	96.3	94.5	93.1	91.4	91.8
82.5°	69.5	66.8	68.2	69.5	70.4	71.3	71.3	71.3	71.3	71.3	71.3
85°	41.4	38.8	39.2	39.7	41.0	42.3	42.8	43.2	43.7	44.1	44.6
87.5°	10.7	9.4	8.5	7.1	8.5	9.4	10.2	10.7	11.6	12.0	12.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367646
 CATALOG NUMBER: MSA-SA2D-830-U-SLR

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367646

CATALOG NUMBER: MSA-SA2D-830-U-SLR

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	968.4	968.4	968.4	968.4	968.4	968.4	968.4	968.4	968.4	968.4	968.4
2.5°	949.6	933.6	918.0	927.8	937.2	947.0	956.3	956.8	956.8	957.2	957.2
5°	1020.5	1020.9	1021.4	1012.0	1003.1	993.8	984.4	979.5	974.6	969.2	964.3
7.5°	911.8	910.9	909.5	900.6	891.7	882.8	873.9	852.5	830.7	809.3	787.4
10°	757.6	742.9	727.7	724.2	721.0	717.5	713.9	708.1	702.8	697.0	691.2
12.5°	644.8	643.0	641.3	631.9	622.5	612.7	603.4	603.4	603.4	603.4	603.4
15°	537.4	529.4	520.9	516.5	511.6	507.1	502.2	500.0	497.8	495.5	493.3
17.5°	446.5	438.9	430.9	430.0	429.1	428.3	427.4	425.1	422.9	420.7	418.4
20°	384.1	377.0	369.9	372.5	375.2	377.4	380.1	377.9	375.7	373.0	370.8
22.5°	361.0	357.0	352.5	350.3	348.0	345.4	343.1	343.1	343.6	343.6	343.6
25°	371.7	357.8	344.0	337.3	330.7	323.5	316.8	314.2	311.9	309.3	306.6
27.5°	393.9	373.9	354.3	342.7	331.1	319.5	307.9	303.0	297.7	292.8	287.4
30°	381.0	368.1	354.7	341.4	328.0	314.6	301.2	295.0	288.8	282.1	275.8
32.5°	361.9	359.2	357.0	344.5	332.0	319.1	306.6	303.9	301.7	299.0	296.3
35°	310.2	308.8	307.0	303.9	300.8	297.7	294.6	291.0	287.4	283.9	280.3
37.5°	295.9	289.7	283.4	282.1	280.7	279.4	278.1	276.7	275.4	273.6	272.3
40°	292.8	286.5	280.3	278.1	275.8	273.2	270.9	271.4	272.3	272.7	273.2
42.5°	289.2	283.0	276.3	274.5	272.7	270.9	269.2	269.6	270.5	270.9	271.4
45°	284.8	279.4	274.1	270.9	268.3	265.2	262.0	264.7	267.4	269.6	272.3
47.5°	275.8	270.1	264.7	262.9	261.1	258.9	257.1	259.8	262.5	264.7	267.4
50°	266.5	262.0	257.1	256.7	256.2	255.3	254.9	256.7	258.5	260.2	262.0
52.5°	259.4	255.8	251.8	251.8	251.3	251.3	250.9	252.7	254.5	255.8	257.6
55°	251.3	248.2	245.1	245.5	246.4	246.9	247.3	249.1	251.3	253.1	254.9
57.5°	241.1	238.9	236.2	238.0	239.3	241.1	242.4	243.8	245.5	246.9	248.2
60°	231.3	229.1	226.4	228.2	230.4	232.2	234.0	235.3	236.6	238.0	239.3
62.5°	219.3	215.7	212.6	215.2	217.5	220.1	222.4	223.3	224.6	225.5	226.4
65°	206.3	203.2	200.1	201.9	203.7	205.0	206.8	208.1	209.4	210.8	212.1
67.5°	191.6	189.8	187.6	188.9	190.3	191.6	193.0	193.4	193.4	193.8	193.8
70°	174.2	172.9	171.1	172.0	173.4	174.2	175.1	175.1	175.1	174.7	174.7
72.5°	156.0	155.1	154.2	154.6	155.5	156.0	156.4	156.0	155.5	155.1	154.6
75°	135.5	135.0	134.6	135.0	135.9	136.4	136.8	136.4	135.5	135.0	134.1
77.5°	115.0	115.0	115.0	115.0	115.4	115.4	115.4	114.5	113.6	112.7	111.9
80°	92.2	92.7	93.1	93.1	93.1	93.1	93.1	92.2	91.4	90.0	89.1
82.5°	71.3	71.3	71.3	71.3	71.7	71.7	71.7	69.5	67.7	65.5	63.3
85°	44.6	45.0	45.0	45.5	45.9	45.9	46.3	43.2	40.6	37.4	34.3
87.5°	12.0	12.0	12.0	12.0	12.0	11.6	11.6	8.9	5.8	3.1	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
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367646
 CATALOG NUMBER: MSA-SA2D-830-U-SLR

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367646

CATALOG NUMBER: MSA-SA2D-830-U-SLR

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	968.4	968.4	968.4	968.4	968.4	968.4	968.4	968.4	968.4	968.4	968.4
2.5°	959.9	962.6	964.8	967.5	967.9	968.4	968.4	968.8	959.4	950.1	940.3
5°	971.0	977.3	984.0	990.2	988.9	987.5	986.2	984.8	982.2	979.9	977.3
7.5°	782.5	778.1	773.2	768.3	772.3	776.3	780.3	784.3	786.1	787.9	789.2
10°	680.0	668.9	657.8	646.6	640.4	633.7	627.4	620.8	619.9	619.4	618.5
12.5°	591.8	579.8	568.2	556.1	552.6	548.6	545.0	541.0	544.6	548.1	551.2
15°	488.4	484.0	479.1	474.2	478.2	482.2	486.2	490.2	493.8	496.9	500.4
17.5°	416.2	414.4	412.2	410.0	413.5	417.6	421.1	424.7	432.7	440.7	448.8
20°	369.0	367.6	365.9	364.1	362.7	361.0	359.6	357.8	369.4	380.6	392.2
22.5°	340.9	338.2	335.6	332.9	333.3	333.8	333.8	334.2	343.6	353.4	362.7
25°	305.7	304.8	303.9	303.0	305.7	308.4	310.6	313.3	321.7	330.2	338.2
27.5°	287.9	288.3	288.8	289.2	292.8	296.8	300.4	303.9	309.7	315.5	321.3
30°	278.1	280.7	283.0	285.2	286.5	287.9	289.2	290.6	296.3	301.7	307.5
32.5°	292.8	289.2	285.2	281.6	283.4	285.6	287.4	289.2	294.6	299.9	305.3
35°	279.0	277.2	275.8	274.1	276.3	278.5	280.3	282.5	287.4	291.9	296.8
37.5°	271.8	271.4	270.9	270.5	271.8	273.2	274.1	275.4	279.9	284.3	288.3
40°	271.4	269.2	267.4	265.2	266.5	267.8	268.7	270.1	275.4	280.7	286.1
42.5°	268.7	266.0	262.9	260.2	261.6	263.4	264.7	266.0	271.8	277.2	283.0
45°	268.3	264.3	259.8	255.8	257.6	259.4	261.1	262.9	267.4	271.8	275.8
47.5°	263.4	259.4	255.3	251.3	252.2	253.1	253.6	254.5	258.5	262.0	266.0
50°	259.4	256.2	253.6	250.4	249.1	248.2	246.9	245.5	248.7	251.8	254.9
52.5°	254.5	251.3	247.8	244.7	242.9	241.1	239.3	237.5	240.2	242.4	245.1
55°	251.3	247.3	243.8	239.7	237.5	235.3	233.1	230.8	232.6	234.0	235.7
57.5°	244.7	241.1	237.1	233.5	230.8	228.2	225.0	222.4	223.3	224.2	225.0
60°	235.7	231.7	228.2	224.2	221.0	217.9	214.3	211.2	211.7	212.6	213.0
62.5°	222.8	219.3	215.2	211.7	208.1	205.0	201.4	197.9	198.8	199.2	200.1
65°	208.6	204.5	201.0	197.0	193.8	190.7	187.2	184.0	184.9	185.8	186.3
67.5°	191.2	188.1	185.4	182.3	179.6	176.5	173.8	170.7	171.1	171.6	172.0
70°	172.5	169.8	167.6	164.9	162.7	160.4	158.2	156.0	156.0	156.4	156.4
72.5°	152.4	150.2	147.9	145.7	143.5	141.7	139.5	137.3	138.1	139.0	139.5
75°	131.9	130.1	127.9	125.7	123.9	122.1	119.9	118.1	119.0	119.9	120.3
77.5°	110.5	109.2	107.4	106.1	104.3	102.5	100.3	98.5	99.4	100.3	100.7
80°	88.2	87.3	86.0	85.1	83.3	81.6	79.8	78.0	78.4	78.4	78.9
82.5°	63.7	64.2	64.2	64.6	63.3	61.5	60.2	58.4	58.4	58.4	57.9
85°	35.7	37.4	38.8	40.1	38.8	37.4	36.1	34.8	34.3	34.3	33.9
87.5°	1.3	2.2	3.6	4.5	4.0	3.6	2.7	2.2	2.7	3.1	3.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367646
 CATALOG NUMBER: MSA-SA2D-830-U-SLR

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367646
 CATALOG NUMBER: MSA-SA2D-830-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	968.4	968.4	968.4	968.4	968.4	968.4	968.4	968.4	968.4	968.4	968.4
2.5°	930.9	938.5	946.1	953.7	961.2	972.8	984.4	996.4	1008.5	1001.8	994.6
5°	974.6	979.1	984.0	988.4	992.9	1005.8	1018.3	1033.9	1049.0	1047.2	1045.0
7.5°	791.0	797.2	803.5	809.3	815.5	835.1	854.7	871.2	887.7	885.5	882.8
10°	617.6	630.6	643.9	656.9	669.8	685.8	701.4	715.2	729.1	752.2	775.0
12.5°	554.8	574.9	594.9	615.0	635.0	646.6	657.8	675.6	693.4	705.9	718.8
15°	503.6	522.3	541.0	559.7	578.4	579.3	580.2	598.9	617.6	628.3	638.6
17.5°	456.8	467.0	477.3	487.1	497.3	493.8	490.2	499.1	507.6	512.0	516.9
20°	403.3	410.4	417.6	424.7	431.8	436.7	441.2	446.5	451.4	447.0	442.1
22.5°	372.1	382.8	393.9	404.6	415.3	418.4	421.1	418.0	414.9	413.5	412.2
25°	346.7	359.6	373.0	385.9	398.8	405.1	411.3	414.0	416.2	411.3	406.4
27.5°	327.1	342.7	357.8	373.4	388.6	399.7	410.9	414.0	416.7	413.1	409.1
30°	312.8	329.8	346.7	363.6	380.6	397.5	414.0	428.7	443.0	441.6	440.3
32.5°	310.6	322.2	333.8	345.4	357.0	367.6	377.9	378.8	379.2	375.7	371.7
35°	301.2	308.8	316.4	324.0	331.5	338.2	344.5	343.6	342.7	339.1	335.6
37.5°	292.8	300.4	308.4	316.0	323.5	335.1	346.3	344.0	341.4	337.8	334.2
40°	291.4	299.9	308.4	316.4	324.9	335.6	346.3	344.0	341.8	337.3	332.9
42.5°	288.3	296.8	304.8	313.3	321.3	334.2	346.7	342.7	338.2	334.7	331.1
45°	280.3	287.9	295.5	303.0	310.6	324.4	338.2	333.3	328.4	327.1	325.3
47.5°	269.6	277.2	284.8	292.3	299.9	313.7	327.1	323.1	318.6	318.2	317.3
50°	258.0	265.2	272.7	279.9	287.0	300.8	314.2	310.6	307.0	307.5	307.5
52.5°	247.3	254.0	260.2	266.9	273.2	287.0	300.4	297.7	294.6	295.5	295.9
55°	237.1	242.4	247.8	253.1	258.5	271.8	285.2	281.2	277.2	278.5	279.9
57.5°	225.9	230.4	234.8	238.9	243.3	256.7	269.6	265.2	260.2	262.5	264.3
60°	213.5	217.5	221.5	225.0	229.1	241.1	252.7	248.7	244.2	247.3	250.0
62.5°	200.5	203.7	206.8	209.9	213.0	224.2	235.3	232.2	229.1	232.6	235.7
65°	187.2	189.4	192.1	194.3	196.5	207.2	217.5	215.2	213.0	216.1	219.3
67.5°	172.5	174.2	176.5	178.3	180.0	189.8	199.6	197.4	194.7	197.4	199.6
70°	156.4	158.2	159.5	161.3	162.7	171.6	180.5	177.4	173.8	176.5	178.7
72.5°	140.4	141.3	142.6	143.5	144.4	151.1	157.8	155.1	152.4	155.1	157.3
75°	121.2	122.1	123.0	123.9	124.8	130.6	135.9	132.8	129.2	131.9	134.6
77.5°	101.6	102.0	102.9	103.4	103.8	107.8	111.4	108.3	104.7	107.8	111.0
80°	78.9	79.3	79.8	79.8	80.2	81.6	82.9	80.7	78.0	82.0	86.0
82.5°	57.9	57.5	57.5	57.0	56.6	56.6	56.1	54.8	53.0	56.6	60.2
85°	33.4	33.0	32.1	31.6	30.7	29.4	28.1	27.6	27.2	30.3	33.4
87.5°	3.6	3.1	2.2	1.8	0.9	0.4	0.0	0.0	0.0	1.8	4.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367646
 CATALOG NUMBER: MSA-SA2D-830-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367646

CATALOG NUMBER: MSA-SA2D-830-U-SLR

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	968.4	968.4	968.4	968.4	968.4	968.4	968.4	968.4	968.4	968.4	968.4
2.5°	988.0	980.8	974.1	967.5	960.8	954.1	966.6	979.1	991.5	1004.0	1015.1
5°	1043.2	1041.0	1035.2	1029.9	1024.1	1018.3	1021.4	1025.0	1028.1	1031.2	1037.9
7.5°	880.6	877.9	890.4	902.4	914.9	926.9	930.0	932.7	935.8	938.5	936.7
10°	798.1	820.9	826.6	832.0	837.8	843.1	852.0	861.0	869.4	878.3	883.2
12.5°	731.3	743.8	764.3	785.2	805.7	826.2	839.6	852.9	866.3	879.7	907.3
15°	649.3	659.5	675.1	690.7	706.3	721.9	741.1	760.7	779.9	799.0	829.3
17.5°	521.4	525.8	537.4	549.0	560.2	571.7	597.6	623.0	648.8	674.2	709.0
20°	437.6	432.7	432.7	433.2	433.2	433.2	459.0	484.4	510.2	535.6	581.5
22.5°	410.4	409.1	404.2	398.8	393.9	388.6	402.0	415.8	429.1	442.5	479.9
25°	401.1	396.2	389.9	383.7	377.4	371.2	379.7	388.1	396.6	405.1	434.5
27.5°	405.5	401.5	404.6	407.3	410.4	413.1	415.8	418.4	421.1	423.8	434.0
30°	438.9	437.6	442.5	447.0	451.9	456.3	450.1	444.3	438.1	431.8	435.4
32.5°	368.1	364.1	362.3	360.5	358.7	357.0	356.5	356.1	355.2	354.7	362.7
35°	332.0	328.4	325.8	323.1	320.0	317.3	318.6	319.5	320.9	321.7	330.7
37.5°	330.7	327.1	324.0	320.9	317.3	314.2	315.5	317.3	318.6	320.0	326.6
40°	328.4	324.0	322.2	320.4	318.6	316.8	317.7	318.6	319.1	320.0	324.9
42.5°	327.1	323.5	322.6	321.7	320.9	320.0	320.9	321.7	322.2	323.1	328.9
45°	324.0	322.2	323.1	324.0	324.9	325.8	325.8	325.8	325.8	325.8	332.0
47.5°	316.8	316.0	318.6	321.3	324.0	326.6	331.1	335.6	339.6	344.0	345.4
50°	307.9	307.9	312.4	316.8	320.9	325.3	336.0	346.3	357.0	367.2	360.5
52.5°	296.8	297.2	303.9	310.2	316.8	323.1	332.9	342.7	352.0	361.9	352.0
55°	280.7	282.1	290.6	298.6	307.0	315.1	322.6	330.2	337.8	345.4	335.1
57.5°	266.5	268.3	277.2	285.6	294.6	303.0	307.5	312.4	316.8	321.3	314.6
60°	253.1	255.8	267.4	279.0	290.1	301.7	298.1	294.6	290.6	287.0	286.5
62.5°	239.3	242.4	253.1	263.8	274.1	284.8	279.4	274.1	268.3	262.9	265.2
65°	221.9	225.0	229.9	234.8	239.3	244.2	243.8	243.8	243.3	242.9	247.3
67.5°	202.3	204.5	207.7	210.3	213.5	216.1	217.9	220.1	221.9	223.7	229.1
70°	181.4	183.6	186.7	189.4	192.5	195.2	197.4	199.6	201.4	203.7	209.0
72.5°	160.0	162.2	165.3	168.4	171.1	174.2	176.0	177.8	179.1	180.9	185.4
75°	137.3	139.9	143.0	145.7	148.8	151.5	152.9	154.2	155.5	156.9	160.9
77.5°	114.1	117.2	120.3	123.4	126.6	129.7	130.1	130.6	131.0	131.5	135.0
80°	89.6	93.6	96.7	99.8	102.9	106.1	106.1	106.1	106.1	106.1	107.8
82.5°	63.7	67.3	70.9	74.0	77.5	80.7	80.7	80.2	80.2	79.8	79.8
85°	36.5	39.7	41.9	44.6	46.8	49.0	49.0	49.0	48.6	48.6	47.7
87.5°	5.8	7.6	8.5	9.8	10.7	11.6	11.1	11.1	10.7	10.2	8.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367646
 CATALOG NUMBER: MSA-SA2D-830-U-SLR

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367646

CATALOG NUMBER: MSA-SA2D-830-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	968.4	968.4	968.4	968.4	968.4	968.4	968.4	968.4	968.4	968.4	968.4
2.5°	1026.3	1037.4	1048.6	1046.8	1045.0	1043.2	1041.4	1048.1	1054.4	1061.0	1067.3
5°	1044.1	1050.8	1057.0	1061.9	1066.8	1071.7	1076.6	1099.4	1121.7	1144.4	1166.7
7.5°	934.9	932.7	930.9	951.9	973.3	994.2	1015.1	1044.1	1073.1	1102.0	1131.0
10°	888.1	893.0	897.9	906.4	915.3	923.8	932.3	960.8	989.3	1017.8	1046.3
12.5°	934.5	962.1	989.3	996.0	1003.1	1009.8	1016.5	1022.3	1028.1	1033.4	1039.2
15°	859.6	889.9	920.2	937.6	955.0	971.9	989.3	1033.0	1076.2	1119.9	1163.1
17.5°	743.3	778.1	812.4	855.2	897.9	940.7	983.5	1023.6	1063.7	1103.4	1143.5
20°	627.4	672.9	718.8	765.6	811.9	858.7	905.1	944.3	983.5	1022.3	1061.5
22.5°	516.9	554.4	591.4	648.4	705.0	762.0	818.6	891.7	964.3	1037.4	1110.1
25°	463.5	492.9	521.8	580.7	639.5	697.9	756.7	851.6	946.1	1041.0	1135.5
27.5°	444.7	455.0	465.2	518.7	571.7	625.2	678.3	780.7	883.2	985.3	1087.8
30°	438.9	442.5	446.1	488.0	529.9	571.7	613.6	714.8	816.4	917.6	1018.7
32.5°	370.3	378.3	385.9	426.9	467.5	508.5	549.0	651.1	752.7	854.7	956.3
35°	339.6	348.5	357.4	397.5	437.6	477.3	517.4	624.8	732.6	840.0	947.4
37.5°	333.3	340.0	346.7	392.2	437.6	483.1	528.5	637.3	746.0	854.7	963.5
40°	330.2	335.1	340.0	384.1	428.7	472.8	516.9	631.0	744.6	858.7	972.4
42.5°	334.2	340.0	345.4	385.5	425.1	465.2	504.9	623.0	740.6	858.7	976.4
45°	337.8	344.0	349.8	387.3	424.7	462.1	499.6	625.7	751.3	877.4	1003.1
47.5°	346.3	347.6	348.5	381.0	413.1	445.6	477.7	606.1	734.4	862.3	990.6
50°	353.4	346.7	339.6	373.4	406.9	440.7	474.2	595.8	717.5	838.7	960.3
52.5°	342.2	332.0	322.2	358.7	395.3	431.4	467.9	589.6	711.7	833.3	955.0
55°	325.3	315.1	304.8	341.8	378.8	415.8	452.8	574.0	695.6	816.8	938.1
57.5°	308.4	301.7	295.0	325.3	356.1	386.4	416.7	548.1	679.1	810.6	941.6
60°	286.1	285.2	284.8	308.4	332.4	356.1	379.7	508.5	636.8	765.6	893.9
62.5°	266.9	269.2	270.9	290.1	309.3	328.0	347.1	471.5	596.3	720.6	844.9
65°	252.2	256.7	261.1	283.0	304.8	326.2	348.0	452.3	556.6	660.9	765.1
67.5°	234.4	239.7	245.1	273.6	302.1	330.7	359.2	445.2	531.2	617.2	703.2
70°	213.9	219.3	224.2	260.7	296.8	333.3	369.4	445.6	522.3	598.5	674.7
72.5°	189.8	194.3	198.8	238.0	277.2	316.4	355.6	420.2	484.8	549.0	613.6
75°	165.3	169.3	173.4	207.2	241.1	275.0	308.8	358.7	408.2	458.1	507.6
77.5°	138.1	141.7	144.8	167.6	190.3	213.0	235.7	274.1	311.9	350.3	388.1
80°	109.6	111.4	113.2	126.6	139.5	152.9	165.8	191.2	216.6	241.5	266.9
82.5°	80.2	80.2	80.2	88.7	97.6	106.1	114.5	127.5	139.9	152.9	165.3
85°	46.8	45.5	44.6	50.4	56.1	61.9	67.7	73.1	78.4	83.8	89.1
87.5°	7.6	5.8	4.5	8.0	11.6	15.2	18.7	20.5	22.7	24.5	26.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367646
 CATALOG NUMBER: MSA-SA2D-830-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367646

CATALOG NUMBER: MSA-SA2D-830-U-SLR

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	968.4	968.4	968.4	968.4	968.4	968.4	968.4	968.4	968.4	968.4	968.4
2.5°	1052.1	1037.4	1022.3	1007.1	1029.4	1051.7	1074.0	1096.3	1155.5	1190.7	1193.0
5°	1185.4	1204.1	1222.8	1241.5	1260.2	1279.0	1297.2	1315.9	1412.2	1471.5	1482.6
7.5°	1161.8	1193.0	1223.7	1254.5	1307.5	1360.5	1413.5	1466.6	1548.1	1606.9	1645.7
10°	1084.7	1123.0	1161.3	1199.6	1262.5	1325.8	1388.6	1451.4	1537.9	1615.4	1652.4
12.5°	1100.3	1161.3	1221.9	1283.0	1337.3	1392.2	1446.5	1500.9	1560.6	1590.0	1657.3
15°	1205.4	1247.8	1290.1	1332.4	1414.4	1496.0	1578.0	1659.5	1693.4	1760.7	1821.3
17.5°	1221.5	1299.0	1377.0	1454.5	1554.8	1655.1	1755.3	1855.6	1918.4	2005.3	2078.4
20°	1171.6	1281.2	1391.3	1500.9	1630.1	1759.8	1889.0	2018.3	2098.0	2171.1	2284.3
22.5°	1231.3	1352.5	1473.3	1594.5	1766.0	1937.2	2108.7	2279.8	2446.5	2609.6	2686.3
25°	1297.2	1459.4	1621.2	1783.0	1997.3	2211.2	2425.6	2639.5	2853.8	3006.7	3094.9
27.5°	1250.9	1413.5	1576.6	1739.3	2004.4	2270.0	2535.2	2800.3	3029.8	3213.9	3289.6
30°	1218.4	1418.0	1617.6	1817.3	2128.3	2439.4	2750.4	3061.5	3273.6	3479.0	3590.4
32.5°	1212.6	1468.8	1724.6	1980.8	2343.1	2705.0	3067.3	3429.1	3570.0	3752.2	3902.4
35°	1228.6	1510.2	1791.4	2072.6	2488.0	2903.3	3318.2	3733.5	3933.6	4114.1	4245.5
37.5°	1277.6	1591.8	1905.5	2219.7	2720.1	3221.0	3721.5	4221.9	4557.5	4887.7	4946.5
40°	1305.3	1638.6	1971.5	2304.4	2886.4	3468.3	4050.3	4632.3	5018.3	5380.5	5405.1
42.5°	1337.8	1699.2	2060.2	2421.6	3066.8	3712.6	4357.8	5003.1	5480.8	5870.3	5881.9
45°	1375.2	1746.9	2119.0	2490.6	3164.4	3837.8	4511.6	5184.9	5762.5	6235.7	6120.3
47.5°	1389.9	1789.7	2188.9	2588.2	3306.6	4024.5	4742.9	5460.8	5979.0	6409.5	6299.0
50°	1395.7	1831.5	2266.9	2702.3	3446.5	4191.2	4935.4	5679.6	6206.7	6626.5	6457.2
52.5°	1431.8	1908.6	2385.5	2862.3	3637.7	4413.1	5188.5	5963.9	6482.6	6885.9	6675.6
55°	1480.4	2022.7	2564.6	3106.9	3909.5	4711.7	5514.2	6316.4	6836.9	7212.1	6951.4
57.5°	1525.4	2109.6	2693.4	3277.2	4108.7	4940.7	5772.3	6603.8	7131.0	7502.2	7249.5
60°	1503.6	2113.2	2722.8	3332.4	4149.7	4966.6	5783.8	6600.7	7199.2	7644.4	7515.1
62.5°	1437.6	2030.3	2622.5	3215.2	3991.1	4766.5	5542.3	6317.7	7018.2	7589.1	7583.3
65°	1310.6	1856.1	2401.1	2946.5	3664.4	4382.8	5100.7	5818.6	6644.4	7337.8	7382.8
67.5°	1156.0	1608.7	2061.5	2514.3	3190.3	3866.3	4542.3	5218.3	6101.1	6866.3	6905.1
70°	1006.2	1338.2	1669.8	2001.3	2594.9	3188.5	3781.6	4375.2	5266.9	6041.0	6076.6
72.5°	830.7	1047.7	1264.3	1481.3	1962.1	2442.9	2923.3	3404.2	4187.1	4782.5	4983.5
75°	636.4	765.1	893.9	1022.7	1411.8	1800.8	2189.4	2578.4	3098.9	3538.3	3764.7
77.5°	455.0	521.8	588.7	655.5	986.2	1316.8	1647.1	1977.7	2251.3	2500.4	2653.3
80°	298.6	329.8	361.4	392.6	667.6	942.5	1217.0	1492.0	1658.6	1792.3	1869.4
82.5°	180.9	196.5	211.7	227.3	450.1	672.9	895.3	1118.1	1213.5	1277.2	1345.8
85°	97.6	106.1	114.5	123.0	266.0	408.6	551.7	694.3	703.7	711.2	813.3
87.5°	28.5	31.2	33.4	35.7	58.8	82.4	105.6	128.8	80.2	49.9	102.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367646
 CATALOG NUMBER: MSA-SA2D-830-U-SLR

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367646

CATALOG NUMBER: MSA-SA2D-830-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	968.4	968.4	968.4	968.4	968.4	968.4	968.4	968.4	968.4	968.4	968.4
2.5°	1180.0	1174.2	1168.4	1162.2	1156.4	1131.9	1107.8	1083.3	1058.8	1082.4	1105.6
5°	1469.7	1487.5	1504.9	1522.7	1540.5	1541.9	1542.8	1544.1	1545.0	1549.5	1553.9
7.5°	1678.2	1709.9	1741.1	1772.7	1804.4	1828.9	1853.4	1878.3	1902.8	1880.6	1858.3
10°	1696.1	1762.9	1829.8	1896.6	1963.5	1975.5	1987.1	1999.1	2011.1	2027.2	2042.8
12.5°	1713.9	1795.4	1876.6	1958.1	2039.7	2075.3	2110.5	2146.2	2181.4	2198.7	2215.7
15°	1902.4	1950.5	1998.2	2046.3	2094.0	2118.5	2142.6	2167.1	2191.6	2206.3	2220.6
17.5°	2144.8	2162.6	2180.0	2197.9	2215.7	2232.2	2248.7	2265.1	2281.6	2284.3	2287.0
20°	2365.9	2369.4	2372.5	2376.1	2379.2	2344.5	2310.2	2275.4	2240.6	2246.9	2252.7
22.5°	2697.4	2677.8	2658.6	2639.0	2619.9	2554.4	2489.3	2423.8	2358.7	2330.7	2303.0
25°	3196.5	3146.6	3096.7	3046.8	2996.9	2892.6	2788.8	2684.5	2580.6	2519.6	2459.0
27.5°	3357.4	3248.7	3140.4	3031.6	2922.9	2844.0	2765.6	2686.7	2608.3	2511.6	2414.9
30°	3682.7	3511.1	3340.0	3168.4	2996.9	2920.7	2844.5	2767.8	2691.6	2592.7	2494.2
32.5°	3971.0	3792.8	3614.5	3435.8	3257.6	3113.2	2968.8	2824.4	2680.0	2613.2	2546.3
35°	4304.8	4080.6	3856.5	3632.3	3408.2	3284.3	3160.9	3037.0	2913.5	2812.4	2711.7
37.5°	4791.0	4552.6	4314.2	4075.3	3836.9	3669.3	3502.2	3334.7	3167.5	3111.8	3056.6
40°	5254.4	4972.8	4691.6	4410.0	4128.8	4000.4	3872.1	3743.3	3615.0	3520.9	3426.9
42.5°	5642.6	5364.1	5086.0	4807.5	4529.4	4435.8	4342.7	4249.1	4156.0	4078.4	4000.9
45°	5775.8	5548.6	5321.7	5094.5	4867.2	4834.2	4801.7	4768.7	4736.2	4678.7	4621.2
47.5°	5990.2	5758.4	5527.2	5295.4	5063.7	5075.7	5087.8	5100.2	5112.3	5115.4	5118.1
50°	6116.3	5896.1	5676.4	5456.3	5236.6	5295.0	5352.9	5411.3	5469.7	5602.0	5733.9
52.5°	6300.3	6084.2	5868.5	5652.4	5436.3	5535.2	5633.7	5732.6	5831.1	6016.5	6201.8
55°	6531.2	6324.4	6118.1	5911.3	5705.0	5801.2	5897.0	5993.3	6089.1	6295.4	6501.8
57.5°	6837.3	6615.8	6394.8	6173.3	5952.3	6041.0	6129.2	6217.9	6306.1	6502.2	6698.3
60°	7185.8	6945.2	6704.5	6463.4	6222.8	6247.3	6271.4	6295.9	6319.9	6532.5	6744.6
62.5°	7356.9	7134.1	6911.7	6688.9	6466.1	6397.9	6329.7	6261.1	6192.9	6383.2	6573.1
65°	7208.5	7055.2	6902.4	6749.1	6595.8	6475.5	6355.6	6235.3	6114.9	6233.9	6352.5
67.5°	6736.2	6649.3	6562.8	6475.9	6389.0	6187.1	5985.3	5783.0	5581.1	5589.1	5596.7
70°	5970.6	5947.4	5924.7	5901.5	5878.3	5574.8	5271.8	4968.3	4664.9	4618.5	4572.2
72.5°	5000.4	5015.6	5030.3	5045.4	5060.6	4734.4	4408.2	4082.0	3755.8	3678.7	3601.6
75°	3873.0	3956.8	4040.5	4124.8	4208.5	3896.6	3584.7	3272.3	2960.3	2865.4	2770.5
77.5°	2736.6	2893.0	3049.0	3205.4	3361.8	3079.8	2798.1	2516.0	2233.9	2172.5	2111.0
80°	1908.2	1984.8	2061.5	2138.1	2214.8	2073.1	1931.4	1789.7	1647.9	1664.9	1681.4
82.5°	1389.9	1407.7	1425.1	1443.0	1460.8	1402.8	1344.9	1286.5	1228.6	1272.7	1316.8
85°	890.4	954.1	1017.4	1081.1	1144.4	1080.2	1016.0	951.4	887.3	916.7	946.1
87.5°	199.2	315.1	430.9	547.2	663.1	600.7	538.8	476.4	414.0	385.9	358.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367646
 CATALOG NUMBER: MSA-SA2D-830-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367646

CATALOG NUMBER: MSA-SA2D-830-U-SLR

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	968.4	968.4	968.4	968.4	968.4	968.4	968.4	968.4	968.4	968.4	968.4
2.5°	1129.2	1152.8	1145.7	1139.0	1131.9	1124.8	1137.7	1150.6	1164.0	1176.9	1172.5
5°	1558.8	1563.3	1520.9	1479.0	1436.7	1394.4	1420.7	1447.0	1473.3	1499.5	1490.2
7.5°	1836.0	1813.7	1789.2	1764.7	1739.7	1715.2	1709.9	1704.5	1698.7	1693.4	1686.3
10°	2058.8	2074.4	2058.4	2042.8	2026.7	2010.7	1973.3	1935.8	1897.9	1860.5	1844.9
12.5°	2233.1	2250.4	2254.4	2258.0	2262.0	2266.0	2224.1	2182.7	2140.8	2098.9	2061.0
15°	2235.3	2250.0	2262.9	2275.4	2288.3	2300.8	2274.9	2249.5	2223.7	2197.9	2185.8
17.5°	2290.1	2292.8	2282.1	2271.8	2261.1	2250.9	2240.6	2230.8	2220.6	2210.8	2191.6
20°	2258.9	2265.1	2263.8	2262.5	2260.7	2259.3	2260.2	2260.7	2261.6	2262.0	2251.3
22.5°	2274.9	2246.9	2252.7	2258.0	2263.8	2269.2	2285.2	2301.2	2317.7	2333.8	2376.6
25°	2397.9	2336.9	2327.5	2318.6	2309.3	2300.3	2342.2	2383.7	2425.6	2467.5	2537.0
27.5°	2317.7	2221.0	2199.6	2178.2	2156.9	2135.5	2199.2	2262.5	2326.2	2389.9	2460.8
30°	2395.3	2296.8	2249.5	2202.3	2154.6	2107.4	2168.4	2229.0	2290.1	2350.7	2429.1
32.5°	2479.5	2412.6	2381.0	2349.8	2318.2	2287.0	2291.9	2296.8	2301.7	2306.6	2417.1
35°	2610.5	2509.3	2478.2	2447.0	2415.8	2384.6	2436.7	2488.4	2540.5	2592.2	2685.8
37.5°	3000.9	2945.2	2889.0	2832.9	2776.3	2720.1	2750.9	2781.6	2812.4	2843.1	2931.4
40°	3332.9	3238.8	3229.5	3220.6	3211.2	3201.9	3204.5	3206.8	3209.4	3212.1	3287.4
42.5°	3922.9	3845.3	3797.7	3750.0	3702.3	3654.6	3651.5	3648.4	3644.8	3641.7	3698.3
45°	4563.3	4505.8	4470.1	4434.5	4398.4	4362.7	4306.1	4249.5	4192.5	4135.9	4185.4
47.5°	5121.2	5124.3	5188.9	5253.1	5317.7	5382.3	5285.6	5188.9	5092.2	4995.5	4931.8
50°	5866.3	5998.2	6013.8	6028.9	6044.5	6060.1	5896.1	5732.6	5568.6	5404.6	5337.8
52.5°	6387.7	6573.1	6549.0	6525.4	6501.3	6477.2	6382.3	6287.9	6192.9	6098.0	5952.3
55°	6708.5	6914.9	6896.6	6878.8	6860.5	6842.2	6773.1	6704.1	6635.0	6565.9	6405.9
57.5°	6894.4	7090.4	7095.8	7101.1	7106.5	7111.8	7093.6	7075.3	7057.0	7038.7	6830.6
60°	6957.2	7169.8	7172.0	7173.8	7176.0	7177.8	7148.8	7119.8	7090.4	7061.5	6925.6
62.5°	6763.3	6953.2	6961.6	6969.7	6978.1	6986.6	6966.5	6946.5	6926.4	6906.4	6805.7
65°	6471.5	6590.4	6592.7	6594.4	6596.7	6598.9	6548.1	6497.7	6446.9	6396.1	6372.1
67.5°	5604.7	5612.7	5660.0	5707.2	5754.4	5801.7	5805.7	5809.7	5814.1	5818.2	5783.4
70°	4525.8	4479.5	4530.7	4582.0	4633.2	4684.5	4706.3	4728.1	4750.4	4772.3	4788.3
72.5°	3524.1	3447.0	3484.8	3522.7	3561.0	3598.9	3566.4	3533.9	3501.3	3468.8	3571.7
75°	2675.6	2580.6	2575.7	2571.3	2566.4	2561.9	2545.4	2529.0	2512.0	2495.5	2591.8
77.5°	2049.0	1987.5	1990.6	1993.3	1996.4	1999.1	1982.2	1965.7	1948.7	1931.8	1968.8
80°	1698.3	1714.8	1715.2	1715.7	1716.1	1716.6	1700.5	1684.9	1668.9	1652.8	1626.1
82.5°	1361.4	1405.5	1405.1	1405.1	1404.6	1404.2	1403.3	1402.4	1401.1	1400.2	1356.5
85°	975.5	1004.9	974.6	944.3	914.0	883.7	906.0	928.2	951.0	973.3	955.0
87.5°	330.2	302.6	266.5	230.8	194.7	158.6	197.4	236.2	275.4	314.2	336.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367646
 CATALOG NUMBER: MSA-SA2D-830-U-SLR

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367646

CATALOG NUMBER: MSA-SA2D-830-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	968.4	968.4	968.4	968.4	968.4	968.4	968.4	968.4	968.4	968.4	968.4
2.5°	1168.4	1164.0	1160.0	1131.9	1103.4	1075.3	1046.8	1098.5	1150.6	1202.3	1254.0
5°	1481.3	1471.9	1463.0	1460.8	1458.6	1455.9	1453.6	1479.9	1506.2	1532.1	1558.4
7.5°	1679.1	1672.0	1664.9	1646.2	1627.9	1609.2	1590.5	1606.5	1622.1	1638.1	1653.7
10°	1829.8	1814.2	1798.6	1758.0	1717.9	1677.4	1636.8	1624.8	1612.7	1600.7	1588.7
12.5°	2023.2	1984.8	1947.0	1901.1	1854.7	1808.8	1762.5	1756.2	1750.0	1744.2	1738.0
15°	2174.2	2162.2	2150.2	2113.6	2077.1	2040.5	2004.0	1955.0	1905.5	1856.5	1807.5
17.5°	2172.9	2153.7	2135.0	2184.0	2232.6	2281.6	2330.2	2278.1	2225.5	2173.3	2121.2
20°	2240.6	2229.5	2218.8	2309.3	2399.3	2489.7	2579.8	2551.2	2522.3	2493.8	2464.8
22.5°	2418.9	2461.7	2504.0	2581.5	2658.6	2736.2	2813.3	2845.8	2878.3	2910.9	2943.4
25°	2606.1	2675.6	2745.1	2860.5	2975.5	3090.9	3206.3	3229.5	3252.7	3275.8	3299.0
27.5°	2531.2	2602.0	2672.9	2760.2	2847.1	2934.5	3021.4	3123.0	3225.0	3326.6	3428.2
30°	2507.1	2585.6	2663.5	2783.4	2902.8	3022.7	3142.6	3282.5	3422.4	3561.9	3701.9
32.5°	2527.2	2637.7	2748.2	2910.4	3072.2	3234.4	3396.6	3543.7	3691.2	3838.2	3985.3
35°	2779.0	2872.5	2965.7	3147.0	3328.4	3509.8	3691.2	3863.6	4036.1	4208.1	4380.6
37.5°	3019.2	3107.4	3195.6	3381.0	3565.9	3751.3	3936.7	4209.0	4481.7	4754.0	5026.3
40°	3362.3	3437.6	3512.5	3671.1	3829.8	3988.4	4147.0	4475.5	4803.9	5132.3	5460.8
42.5°	3754.4	3811.0	3867.2	4031.6	4196.1	4360.5	4524.9	4882.3	5240.2	5597.6	5955.0
45°	4234.4	4283.9	4333.3	4446.5	4559.7	4673.3	4786.5	5155.1	5523.6	5892.1	6260.7
47.5°	4868.1	4804.3	4740.6	4796.3	4852.0	4907.7	4963.4	5328.0	5692.5	6056.6	6421.1
50°	5270.9	5204.1	5137.2	5142.1	5146.6	5151.5	5156.4	5496.4	5836.4	6176.0	6516.0
52.5°	5806.6	5660.4	5514.7	5513.3	5512.0	5510.2	5508.9	5805.2	6102.0	6398.4	6694.7
55°	6246.0	6086.0	5926.0	5894.8	5863.6	5832.0	5800.8	6094.0	6386.8	6680.0	6972.8
57.5°	6622.5	6414.0	6205.9	6156.8	6107.8	6058.8	6009.8	6325.7	6642.1	6958.1	7274.0
60°	6790.1	6654.2	6518.7	6458.5	6398.4	6338.2	6278.0	6547.2	6816.4	7085.1	7354.2
62.5°	6705.4	6604.7	6504.4	6518.2	6532.1	6545.9	6559.7	6713.4	6867.6	7021.4	7175.1
65°	6348.5	6324.4	6300.8	6412.2	6523.6	6635.0	6746.4	6748.6	6750.9	6753.1	6755.3
67.5°	5748.6	5713.9	5679.1	5910.8	6142.1	6373.9	6605.6	6495.5	6385.4	6275.8	6165.8
70°	4803.9	4819.9	4835.5	5151.0	5466.1	5781.6	6097.1	5937.6	5777.6	5618.1	5458.1
72.5°	3674.7	3778.1	3881.0	4208.1	4535.2	4862.3	5189.4	5007.1	4824.4	4642.1	4459.4
75°	2688.0	2784.3	2880.6	3203.6	3526.7	3850.3	4173.3	3956.8	3740.2	3524.1	3307.5
77.5°	2005.8	2043.2	2080.2	2348.9	2617.2	2885.9	3154.2	2936.7	2719.2	2502.2	2284.8
80°	1599.8	1573.1	1546.8	1695.6	1844.5	1993.3	2142.1	1988.0	1833.3	1679.1	1524.9
82.5°	1313.3	1269.6	1226.4	1281.6	1336.9	1392.6	1447.9	1324.4	1201.0	1077.5	954.1
85°	936.7	918.4	900.2	916.2	931.8	947.9	963.9	843.6	723.3	603.4	483.1
87.5°	358.3	380.6	402.9	428.3	453.2	478.6	503.6	394.4	285.2	176.5	67.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367646
 CATALOG NUMBER: MSA-SA2D-830-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367646
 CATALOG NUMBER: MSA-SA2D-830-U-SLR

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	968.4	968.4
2.5°	1275.4	1296.8
5°	1557.9	1557.5
7.5°	1646.6	1639.0
10°	1569.1	1549.5
12.5°	1680.0	1621.7
15°	1749.5	1691.2
17.5°	2033.4	1945.2
20°	2360.1	2254.9
22.5°	2783.4	2623.4
25°	3107.8	2916.2
27.5°	3314.6	3200.5
30°	3571.3	3440.7
32.5°	3889.0	3792.3
35°	4292.3	4203.6
37.5°	4998.6	4970.6
40°	5427.3	5393.5
42.5°	5956.3	5957.2
45°	6280.7	6300.8
47.5°	6471.9	6522.3
50°	6624.3	6732.1
52.5°	6842.2	6989.7
55°	7168.9	7364.5
57.5°	7440.7	7607.4
60°	7440.7	7526.7
62.5°	7172.9	7170.2
65°	6713.9	6672.0
67.5°	6113.2	6060.6
70°	5376.1	5293.7
72.5°	4357.4	4254.9
75°	3167.1	3026.3
77.5°	2217.9	2150.6
80°	1557.5	1590.0
82.5°	1000.4	1046.8
85°	475.9	468.8
87.5°	56.1	45.0
90°	0.0	0.0
92.5°	0.0	0.0
95°	0.0	0.0
97.5°	0.0	0.0
100°	0.0	0.0
102.5°	0.0	0.0
105°	0.0	0.0
107.5°	0.0	0.0
110°	0.0	0.0



REPORT NUMBER: P367646
CATALOG NUMBER: MSA-SA2D-830-U-SLR

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	0.0	0.0
115°	0.0	0.0
117.5°	0.0	0.0
120°	0.0	0.0
122.5°	0.0	0.0
125°	0.0	0.0
127.5°	0.0	0.0
130°	0.0	0.0
132.5°	0.0	0.0
135°	0.0	0.0
137.5°	0.0	0.0
140°	0.0	0.0
142.5°	0.0	0.0
145°	0.0	0.0
147.5°	0.0	0.0
150°	0.0	0.0
152.5°	0.0	0.0
155°	0.0	0.0
157.5°	0.0	0.0
160°	0.0	0.0
162.5°	0.0	0.0
165°	0.0	0.0
167.5°	0.0	0.0
170°	0.0	0.0
172.5°	0.0	0.0
175°	0.0	0.0
177.5°	0.0	0.0
180°	0.0	0.0

(END OF REPORT)