

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: P596333

Luminaire Tested: **MSA-SA3B-722-U-SLR-HSS**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P596333  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-25)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: MSA-SA3B-722-U-SLR-HSS  
Description: MESA POST TOP DECORATIVE LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7883 lumens  
Efficiency: N/A  
Efficacy: 62.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

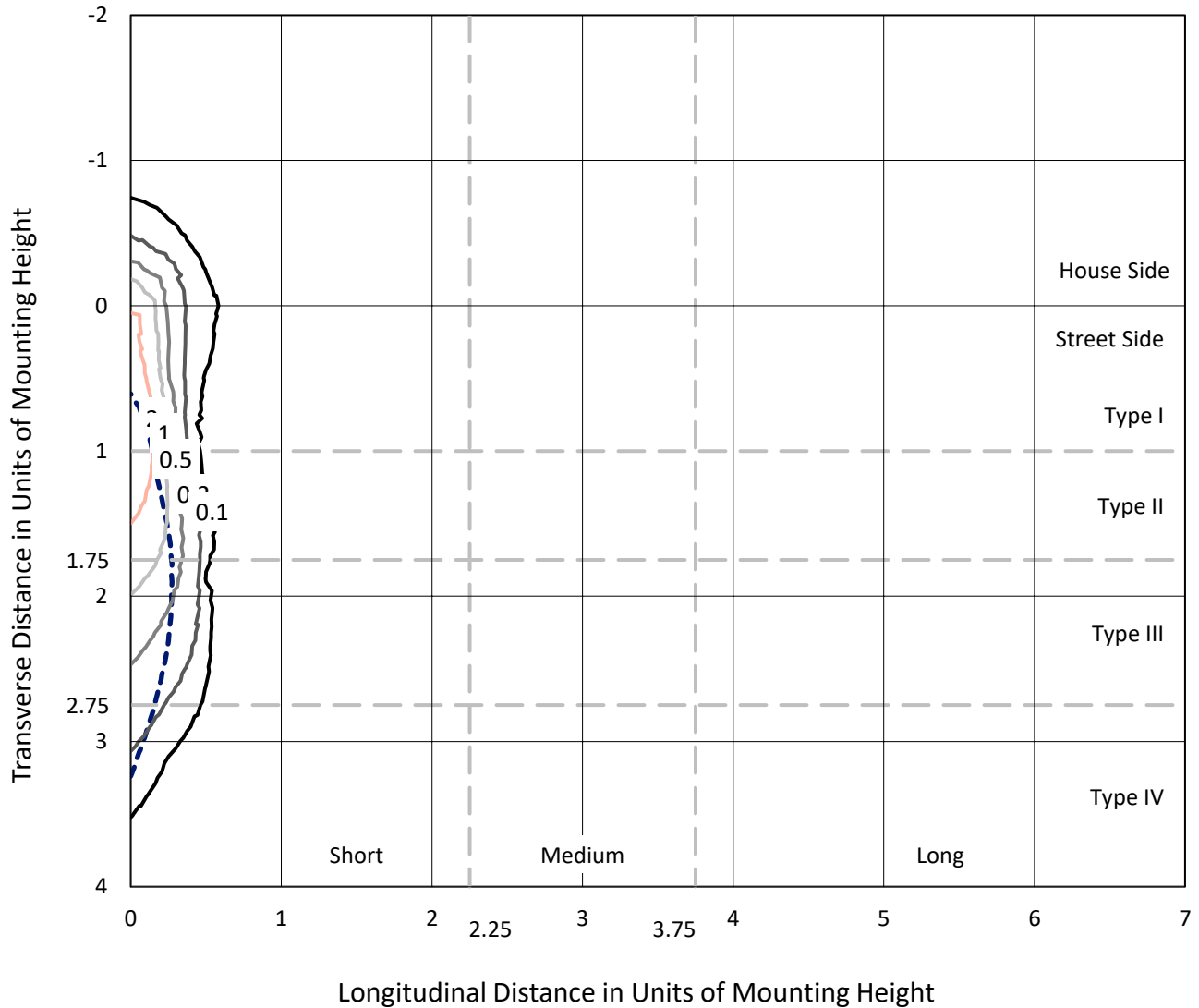
Input Watts (W): 126  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P596333  
 CATALOG NUMBER: MSA-SA3B-722-U-SLR-HSS

### Iso-Footcandle Lines of Horizontal Illumination

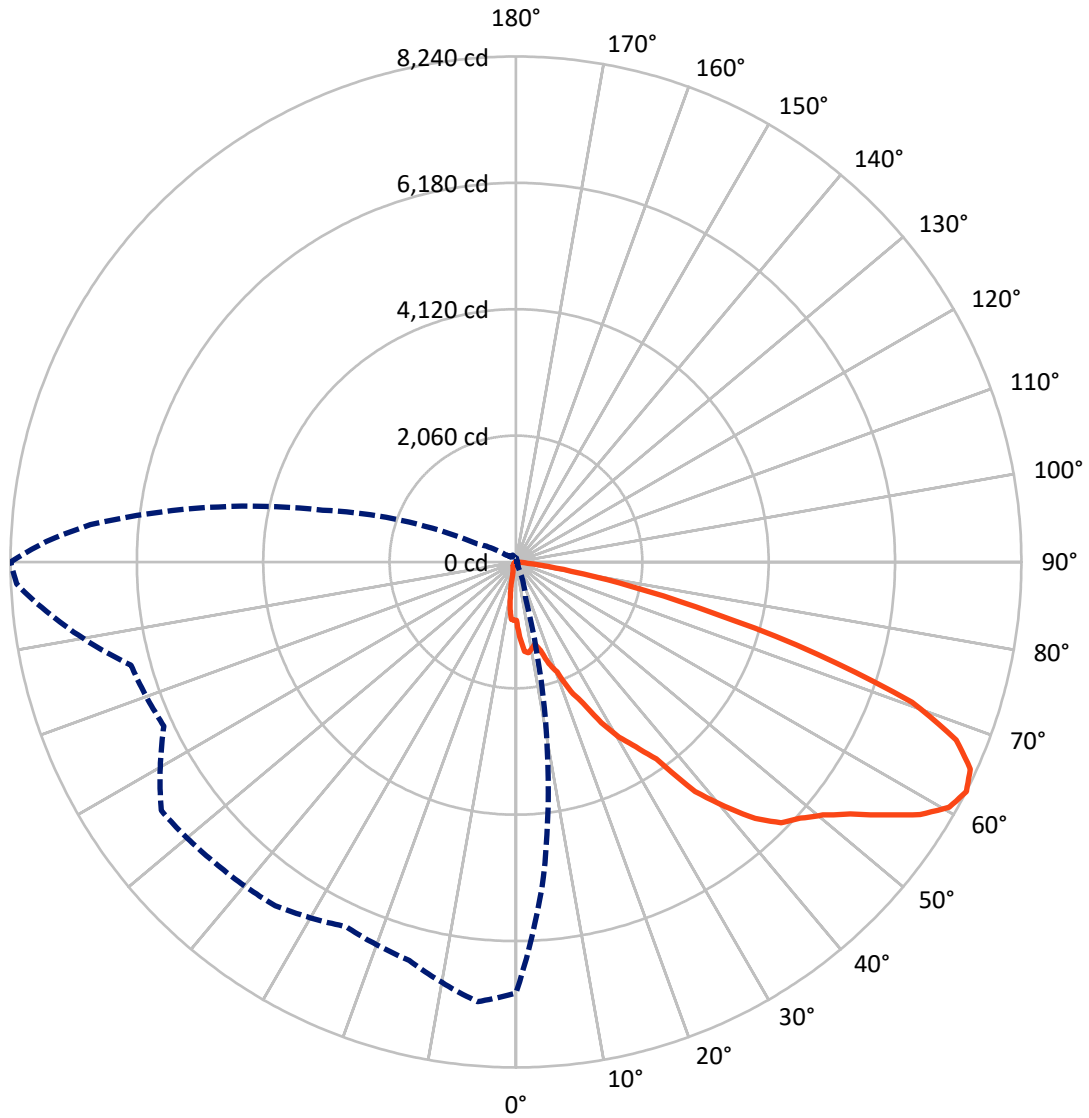
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 fc  
 Type IV - Short - N/A

REPORT NUMBER: P596333  
CATALOG NUMBER: MSA-SA3B-722-U-SLR-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 270-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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 CATALOG NUMBER: MSA-SA3B-722-U-SLR-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1316.4	0.0	1316.4
	% Fixture	16.7	0.0	16.7
<b>Street Side</b>	Lumens	6566.6	0.0	6566.6
	% Fixture	83.3	0.0	83.3
<b>Total</b>	Lumens	7883.0	0.0	7883.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	106.1	1.3
10°-20°	277.2	3.5
20°-30°	448.1	5.7
30°-40°	750.5	9.5
40°-50°	1226.9	15.6
50°-60°	1816.3	23.0
60°-70°	2085.1	26.5
70°-80°	1031.0	13.1
80°-90°	141.6	1.8
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°	7883.0	100.0
0°-180°	7883.0	100.0

**Coefficient of Utilization**

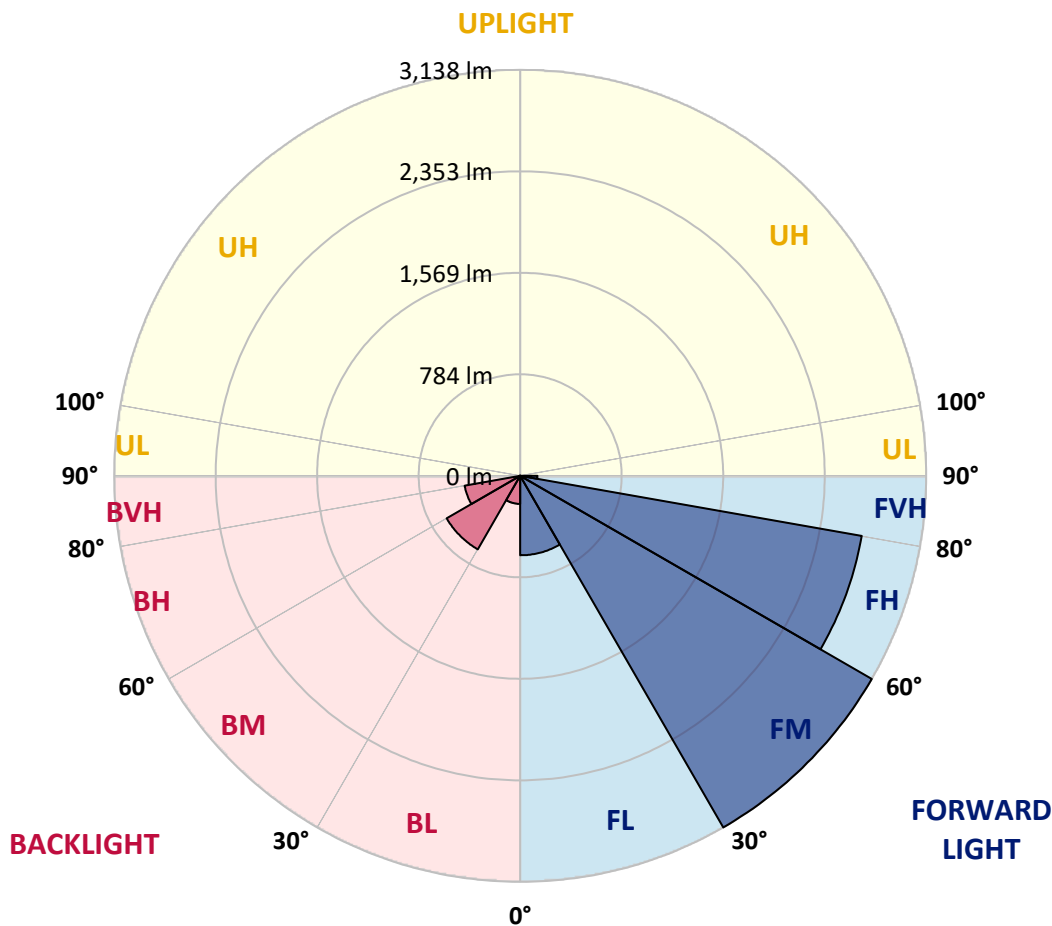


REPORT NUMBER: P596333  
 CATALOG NUMBER: MSA-SA3B-722-U-SLR-HSS

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	614.1	7.8			
FM (30°-60°)	3137.8	39.8			
FH (60°-80°)	2680.6	34.0			G2/5000
FVH (80°-90°)	134.1	1.7			G2/225
BL (0°-30°)	217.4	2.8	B1/500		
BM (30°-60°)	655.9	8.3	B1/1000		
BH (60°-80°)	435.5	5.5	B1/500		G1/500
BVH (80°-90°)	7.5	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**  
 Type IV Short





REPORT NUMBER: P596333

CATALOG NUMBER: MSA-SA3B-722-U-SLR-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	949.9	949.9	949.9	949.9	949.9	949.9	949.9	949.9	949.9	949.9	949.9
2.5°	1259.5	1275.3	1290.6	1261.3	1232.1	1202.9	1173.7	1147.7	1121.6	1095.1	1069.0
5°	1620.8	1592.1	1563.3	1523.8	1484.2	1444.7	1405.1	1386.7	1368.3	1349.9	1331.4
7.5°	1746.6	1695.4	1643.7	1608.7	1574.1	1539.0	1504.0	1448.7	1393.0	1337.7	1282.0
10°	1647.8	1593.4	1538.6	1508.0	1477.5	1446.9	1416.4	1347.6	1278.4	1209.7	1140.5
12.5°	1693.2	1634.3	1575.4	1512.5	1449.6	1386.7	1323.8	1271.2	1218.2	1165.6	1112.6
15°	1724.6	1657.2	1589.4	1517.5	1445.6	1373.7	1301.8	1239.8	1178.2	1116.2	1054.2
17.5°	1909.3	1812.7	1716.1	1605.5	1495.0	1384.5	1273.9	1202.0	1130.6	1058.7	986.8
20°	2146.6	2009.5	1872.0	1722.4	1572.7	1423.1	1273.5	1184.1	1094.6	1005.2	915.8
22.5°	2422.5	2251.3	2079.6	1894.9	1710.7	1526.0	1341.3	1212.8	1084.3	955.8	827.3
25°	2700.2	2545.6	2391.0	2142.5	1894.0	1645.1	1396.6	1233.5	1069.9	906.8	743.2
27.5°	3201.7	2925.3	2649.0	2332.6	2016.7	1700.4	1384.0	1197.1	1010.2	822.8	635.8
30°	3529.7	3317.1	3104.2	2686.2	2268.8	1850.9	1433.0	1196.2	959.4	722.1	485.3
32.5°	3922.0	3611.0	3299.6	2846.2	2392.8	1939.4	1486.0	1207.9	929.3	651.1	372.5
35°	4362.8	4024.4	3686.1	3111.8	2537.5	1962.8	1388.5	1118.9	849.3	579.7	310.1
37.5°	5141.5	4575.3	4009.2	3339.6	2669.6	2000.1	1330.1	1060.9	791.3	522.2	252.5
40°	5583.7	5043.1	4502.5	3665.8	2829.1	1992.4	1155.7	916.7	678.1	439.0	200.0
42.5°	6158.9	5473.2	4787.0	3851.9	2916.8	1981.7	1046.5	825.5	604.4	382.9	161.8
45°	6499.9	5723.0	4946.1	3932.8	2919.5	1906.2	892.9	701.4	510.0	318.6	127.2
47.5°	6715.2	5936.0	5156.8	4068.9	2981.5	1893.6	805.7	629.5	453.4	277.3	101.1
50°	6824.4	6042.9	5261.1	4143.1	3025.1	1906.6	788.6	613.4	437.7	262.4	86.7
52.5°	6938.1	6184.5	5430.5	4271.6	3112.7	1953.8	794.9	616.1	437.7	258.8	80.0
55°	7167.7	6424.4	5680.8	4455.8	3230.9	2005.9	781.0	604.8	428.7	252.1	75.9
57.5°	7449.9	6655.4	5860.5	4590.6	3320.7	2050.9	781.0	603.9	426.9	249.4	72.3
60°	7396.4	6534.1	5671.3	4439.2	3207.1	1974.5	742.3	573.8	405.8	237.3	68.8
62.5°	7029.3	6093.3	5156.8	4018.1	2879.0	1740.4	601.2	466.9	332.5	197.7	63.4
65°	6597.9	5604.4	4610.4	3562.5	2514.1	1466.2	417.9	328.0	237.7	147.8	57.5
67.5°	6078.4	5018.9	3959.3	3027.3	2095.8	1163.8	231.9	186.9	142.0	96.6	51.7
70°	5177.0	4083.3	2989.1	2272.8	1557.0	840.7	124.5	105.1	85.8	66.5	47.2
72.5°	3886.5	2884.4	1882.4	1429.9	977.8	525.3	72.8	65.6	58.0	50.8	43.1
75°	2644.5	1893.6	1142.7	870.0	597.6	324.9	52.1	48.5	44.5	40.9	36.8
77.5°	1797.9	1300.4	803.0	612.9	422.8	232.8	42.7	40.4	38.2	35.5	33.3
80°	1122.5	768.4	414.3	319.0	223.3	128.1	32.4	31.0	29.7	27.9	26.5
82.5°	785.0	469.6	154.1	120.4	86.7	52.6	18.9	19.3	19.8	19.8	20.2
85°	329.4	177.9	26.5	22.5	18.4	14.4	10.3	11.2	12.6	13.5	14.4
87.5°	5.8	3.1	0.0	0.9	2.2	3.1	4.0	5.4	6.3	7.6	8.5
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: P596333  
 CATALOG NUMBER: MSA-SA3B-722-U-SLR-HSS

**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





REPORT NUMBER: P596333  
 CATALOG NUMBER: MSA-SA3B-722-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	949.9	949.9	949.9	949.9	949.9	949.9	949.9	949.9	949.9	949.9	949.9
2.5°	1075.8	1082.5	1088.8	1095.5	1090.1	1085.2	1079.8	1074.4	1066.3	1058.7	1050.6
5°	1309.0	1286.5	1264.0	1241.6	1207.4	1173.3	1138.7	1104.5	1100.5	1096.4	1091.9
7.5°	1229.4	1176.9	1123.8	1071.3	1021.8	972.4	923.0	873.5	858.3	843.4	828.2
10°	1100.0	1059.6	1018.7	978.2	942.7	906.8	871.3	835.4	798.1	760.8	723.0
12.5°	1070.4	1028.1	985.4	943.2	910.8	878.5	846.1	813.8	772.0	730.2	688.4
15°	1008.4	962.5	916.7	870.9	827.7	784.6	741.0	697.8	647.5	597.2	546.9
17.5°	932.4	878.5	824.1	769.7	713.1	656.5	599.9	543.3	485.3	427.8	369.8
20°	842.1	768.4	694.3	620.6	550.5	480.4	409.8	339.7	303.3	267.4	231.0
22.5°	732.0	636.3	541.0	445.3	387.8	329.8	272.3	214.3	198.6	182.9	167.2
25°	634.9	526.6	418.4	310.1	273.7	237.3	200.9	164.5	157.3	149.6	142.4
27.5°	533.8	432.3	330.3	228.3	207.6	186.5	165.8	144.7	139.7	135.3	130.3
30°	409.4	333.4	257.0	181.1	167.6	154.1	140.2	126.7	124.5	121.8	119.5
32.5°	317.2	261.5	206.3	150.5	142.9	135.3	127.6	120.0	116.4	112.8	108.7
35°	265.1	220.6	175.7	130.8	125.4	119.5	114.1	108.3	104.7	100.7	97.1
37.5°	219.7	187.4	154.6	121.8	115.9	110.1	103.8	98.0	95.3	92.6	89.9
40°	181.1	162.2	143.3	124.5	115.9	107.4	98.9	90.3	88.1	85.8	83.6
42.5°	149.6	137.5	124.9	112.8	106.5	100.7	94.4	88.1	84.9	81.3	78.2
45°	120.9	114.1	107.8	101.1	101.6	102.0	102.0	102.5	94.4	85.8	77.7
47.5°	98.0	94.8	91.2	88.1	91.7	95.3	98.4	102.0	93.5	84.9	75.9
50°	84.0	81.8	79.1	76.4	80.0	84.0	87.6	91.2	87.6	84.5	80.9
52.5°	76.8	73.7	70.5	67.4	68.8	70.5	71.9	73.2	73.2	73.2	73.2
55°	72.3	69.2	65.6	62.0	60.7	58.9	57.5	55.7	53.5	51.7	49.4
57.5°	68.8	65.2	61.1	57.5	55.3	52.6	50.3	47.6	45.4	42.7	40.4
60°	65.2	61.6	57.5	53.9	51.7	49.4	46.7	44.5	41.8	39.5	36.8
62.5°	60.2	57.1	53.9	50.8	48.5	46.7	44.5	42.2	39.5	36.8	33.7
65°	54.8	52.6	49.9	47.2	44.9	42.7	40.4	38.2	35.5	33.3	30.6
67.5°	49.9	47.6	45.8	43.6	40.9	38.6	35.9	33.3	31.5	29.7	27.4
70°	45.8	44.0	42.7	40.9	38.2	35.9	33.3	30.6	29.2	27.4	26.1
72.5°	41.8	40.4	38.6	37.3	35.0	32.8	30.6	28.3	27.0	25.6	24.3
75°	35.9	35.0	34.2	33.3	31.0	28.8	26.1	23.8	23.4	22.9	22.5
77.5°	32.4	31.9	31.0	30.1	27.9	25.6	23.4	21.1	21.6	22.0	22.0
80°	26.5	26.5	26.1	26.1	24.3	22.5	20.2	18.4	19.3	20.7	21.6
82.5°	20.2	20.2	20.2	20.2	18.4	16.6	14.8	13.0	14.4	15.3	16.6
85°	13.9	13.5	13.0	12.6	11.2	10.3	9.0	7.6	9.4	10.8	12.6
87.5°	8.5	9.0	9.0	9.0	8.1	6.7	5.8	4.5	5.4	5.8	6.7
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



REPORT NUMBER: P596333  
 CATALOG NUMBER: MSA-SA3B-722-U-SLR-HSS

**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: P596333  
 CATALOG NUMBER: MSA-SA3B-722-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	949.9	949.9	949.9	949.9	949.9	949.9	949.9	949.9	949.9	949.9	949.9
2.5°	1042.5	1029.0	1015.5	1001.6	988.1	956.7	925.2	893.8	862.3	885.7	908.6
5°	1087.9	1061.8	1035.3	1009.3	982.7	971.1	959.8	948.1	936.5	938.3	940.5
7.5°	812.9	795.8	778.7	761.2	744.1	740.5	737.4	733.8	730.2	737.8	745.0
10°	685.7	661.9	637.6	613.8	589.6	576.5	563.5	550.5	537.4	536.1	534.3
12.5°	646.6	610.2	574.3	537.9	501.5	473.2	444.9	416.6	388.2	390.5	392.7
15°	496.5	460.1	424.2	387.8	351.4	328.5	305.1	282.2	258.8	252.1	245.3
17.5°	311.9	284.9	257.9	230.5	203.6	195.9	188.7	181.1	173.5	171.2	169.0
20°	194.6	182.9	171.2	159.1	147.4	145.6	143.8	142.0	140.2	141.5	142.9
22.5°	151.4	146.5	141.1	136.2	130.8	129.0	127.2	125.4	123.6	124.9	125.8
25°	134.8	131.2	127.6	124.0	120.4	118.6	116.4	114.6	112.3	113.2	114.6
27.5°	125.4	122.2	119.1	115.9	112.8	109.6	106.9	103.8	100.7	102.5	103.8
30°	116.8	113.2	110.1	106.5	102.9	99.8	96.6	93.0	89.9	91.7	93.5
32.5°	105.1	102.0	98.4	95.3	91.7	89.9	88.1	85.8	84.0	85.4	86.3
35°	93.0	90.3	88.1	85.4	82.7	80.9	79.5	77.7	75.9	76.4	77.3
37.5°	87.2	84.0	80.9	77.7	74.6	73.7	72.8	71.4	70.5	70.5	70.5
40°	81.3	78.2	75.0	71.4	68.3	67.0	65.6	64.3	62.9	62.9	62.9
42.5°	74.6	71.4	68.3	65.2	62.0	60.7	58.9	57.5	55.7	55.7	55.7
45°	69.2	66.1	63.4	60.2	57.1	54.8	52.6	49.9	47.6	47.2	46.7
47.5°	67.4	62.9	58.4	53.9	49.4	47.2	44.9	42.2	40.0	39.5	39.1
50°	77.3	68.3	59.3	50.3	41.3	39.5	37.7	35.9	34.2	33.3	32.8
52.5°	73.2	63.8	54.4	44.9	35.5	34.2	32.8	31.5	30.1	29.2	28.3
55°	47.2	43.1	39.5	35.5	31.5	30.6	29.7	28.3	27.4	26.5	25.6
57.5°	37.7	35.5	33.7	31.5	29.2	28.3	27.4	26.1	25.2	23.8	22.9
60°	34.2	32.4	30.6	28.8	27.0	26.1	25.2	24.3	23.4	22.0	21.1
62.5°	31.0	29.7	28.3	27.0	25.6	24.7	23.8	22.9	22.0	20.7	19.3
65°	27.9	27.0	26.1	25.2	24.3	23.4	22.5	21.1	20.2	18.9	17.5
67.5°	25.6	25.2	24.7	24.3	23.8	22.9	21.6	20.7	19.3	18.0	16.2
70°	24.3	24.3	24.3	23.8	23.8	22.9	21.6	20.7	19.3	17.5	16.2
72.5°	22.9	23.4	23.8	23.8	24.3	22.9	21.6	20.2	18.9	17.1	15.7
75°	22.0	22.5	22.9	22.9	23.4	22.5	21.6	20.2	19.3	17.5	15.7
77.5°	22.5	22.9	22.9	23.4	23.4	22.5	21.6	20.2	19.3	17.1	14.8
80°	22.5	22.0	21.6	20.7	20.2	18.4	16.6	14.4	12.6	9.9	7.6
82.5°	17.5	16.6	16.2	15.3	14.4	12.6	10.8	9.0	7.2	5.4	3.6
85°	13.9	13.0	12.6	11.7	10.8	9.4	7.6	6.3	4.5	3.6	2.2
87.5°	7.2	6.7	5.8	5.4	4.5	3.6	2.2	1.3	0.0	0.0	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: P596333  
 CATALOG NUMBER: MSA-SA3B-722-U-SLR-HSS

**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: P596333  
 CATALOG NUMBER: MSA-SA3B-722-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	949.9	949.9	949.9	949.9	949.9	949.9	949.9	949.9	949.9	949.9	949.9
2.5°	932.0	954.9	951.7	948.6	963.4	978.2	967.5	957.1	946.3	935.6	913.1
5°	942.3	944.1	941.0	937.4	937.8	938.3	931.1	923.9	916.7	909.5	908.1
7.5°	752.7	759.9	769.7	779.2	779.6	779.6	774.2	768.8	763.0	757.6	760.3
10°	532.9	531.1	533.8	536.5	536.1	535.2	549.6	563.9	577.9	592.3	581.9
12.5°	394.5	396.8	385.5	374.3	378.4	382.0	384.2	386.4	388.7	390.9	397.2
15°	238.6	231.9	223.8	215.7	219.7	223.3	227.4	231.0	235.0	238.6	242.7
17.5°	166.3	164.0	160.4	156.4	156.8	157.3	157.7	158.2	158.2	158.6	159.5
20°	144.2	145.6	142.9	139.7	138.9	137.5	136.6	135.7	134.4	133.5	132.1
22.5°	127.2	128.1	128.5	128.5	126.7	124.5	122.7	121.3	119.5	117.7	116.8
25°	115.5	116.4	115.5	114.1	113.2	112.3	111.4	110.1	109.2	107.8	107.4
27.5°	105.6	106.9	106.9	106.5	105.6	104.3	102.0	100.2	98.0	95.7	96.2
30°	95.3	97.1	97.1	96.6	96.2	95.7	93.5	91.2	89.0	86.7	87.6
32.5°	87.6	88.5	88.1	87.6	87.6	87.2	85.4	84.0	82.2	80.4	80.4
35°	77.7	78.2	78.2	78.2	78.2	77.7	76.4	75.0	73.7	72.3	72.8
37.5°	70.5	70.5	71.9	72.8	71.9	71.0	70.1	68.8	67.9	66.5	66.5
40°	62.5	62.5	63.8	64.7	63.8	62.9	62.5	61.6	61.1	60.2	60.2
42.5°	55.3	55.3	56.6	57.5	57.5	57.1	56.2	55.3	54.4	53.5	53.9
45°	46.3	45.8	48.1	49.9	49.0	48.1	48.1	47.6	47.6	47.2	47.6
47.5°	38.2	37.7	39.5	41.3	40.9	40.0	40.0	40.0	40.0	40.0	40.4
50°	31.9	31.0	32.8	34.2	33.7	32.8	32.8	33.3	33.3	33.3	33.7
52.5°	27.4	26.5	27.9	28.8	28.3	27.9	27.9	28.3	28.3	28.3	28.8
55°	24.3	23.4	24.7	25.6	25.2	24.3	24.7	24.7	25.2	25.2	25.2
57.5°	21.6	20.2	21.1	22.0	22.0	21.6	22.0	22.0	22.5	22.5	22.5
60°	19.8	18.4	19.3	19.8	19.8	19.3	19.8	19.8	20.2	20.2	20.2
62.5°	17.5	16.2	17.1	17.5	17.5	17.1	17.5	17.5	18.0	18.0	18.0
65°	15.7	14.4	14.8	15.3	15.3	15.3	15.7	15.7	16.2	16.2	16.2
67.5°	14.8	13.0	13.5	13.9	13.9	13.9	14.4	14.4	14.8	14.8	15.3
70°	14.4	12.6	13.0	13.0	13.5	13.5	13.5	13.9	13.9	13.9	13.9
72.5°	13.9	12.1	12.1	12.1	12.6	12.6	12.6	13.0	13.0	13.0	13.0
75°	13.9	12.1	11.7	11.2	11.7	11.7	11.7	12.1	12.1	12.1	12.1
77.5°	12.1	9.9	9.0	7.6	9.0	9.9	10.3	10.3	10.8	10.8	10.8
80°	4.9	2.2	1.3	0.0	0.4	0.9	1.3	1.8	2.2	2.7	3.1
82.5°	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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: P596333  
 CATALOG NUMBER: MSA-SA3B-722-U-SLR-HSS

**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: P596333  
 CATALOG NUMBER: MSA-SA3B-722-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	949.9	949.9	949.9	949.9	949.9	949.9	949.9	949.9	949.9	949.9	949.9
2.5°	890.6	868.2	845.7	856.5	867.3	878.0	888.8	887.9	886.6	885.7	884.3
5°	907.2	905.9	904.6	898.3	892.4	886.1	879.8	878.5	876.7	875.3	873.5
7.5°	763.0	765.3	767.9	760.8	753.6	746.4	739.2	720.8	702.3	683.5	665.0
10°	571.6	560.8	550.5	549.6	548.7	547.8	546.9	545.1	543.3	541.0	539.2
12.5°	404.0	410.3	416.6	414.3	412.1	409.4	407.1	410.3	413.9	417.0	420.1
15°	246.2	250.3	253.9	262.0	270.1	278.2	286.2	289.4	293.0	296.1	299.3
17.5°	160.4	160.9	161.8	170.8	179.3	188.3	196.8	202.7	208.5	213.9	219.7
20°	130.8	129.4	128.1	133.0	138.0	142.9	147.8	153.2	158.6	164.0	169.4
22.5°	116.4	115.5	114.6	116.4	118.2	119.5	121.3	125.4	129.9	133.9	138.0
25°	106.9	106.0	105.6	106.5	107.4	108.3	109.2	111.4	113.7	115.9	118.2
27.5°	96.2	96.6	96.6	97.5	98.0	98.9	99.3	100.2	101.6	102.5	103.4
30°	88.1	89.0	89.4	90.3	90.8	91.7	92.1	91.7	91.2	90.8	90.3
32.5°	80.4	80.0	80.0	80.9	81.3	82.2	82.7	83.6	84.5	84.9	85.8
35°	72.8	73.2	73.2	73.2	73.7	73.7	73.7	74.6	75.9	76.8	77.7
37.5°	66.1	66.1	65.6	67.0	67.9	69.2	70.1	71.0	72.3	73.2	74.1
40°	60.2	60.2	60.2	61.1	62.0	62.5	63.4	65.6	67.9	70.1	72.3
42.5°	53.9	54.4	54.4	55.3	56.2	56.6	57.5	59.3	60.7	62.5	63.8
45°	48.1	48.5	49.0	49.9	50.3	51.2	51.7	52.6	53.0	53.9	54.4
47.5°	41.3	41.8	42.2	43.1	43.6	44.5	44.9	44.5	44.5	44.0	43.6
50°	34.6	35.0	35.5	36.8	37.7	39.1	40.0	39.1	38.2	36.8	35.9
52.5°	29.2	29.2	29.7	30.6	31.5	31.9	32.8	32.4	31.9	31.5	31.0
55°	25.2	25.2	25.2	25.6	26.1	26.5	27.0	27.4	27.4	27.9	27.9
57.5°	22.5	22.0	22.0	22.5	22.9	22.9	23.4	23.8	23.8	24.3	24.3
60°	20.2	19.8	19.8	20.2	20.7	21.1	21.6	21.6	21.6	21.1	21.1
62.5°	18.0	18.0	18.0	18.4	18.4	18.9	18.9	18.9	19.3	19.3	19.3
65°	16.6	16.6	16.6	16.6	16.6	16.2	16.2	16.6	16.6	17.1	17.1
67.5°	15.3	15.7	15.7	15.3	14.8	14.4	13.9	14.4	14.4	14.8	14.8
70°	13.9	13.9	13.9	13.5	13.0	12.6	12.1	12.1	12.1	11.7	11.7
72.5°	13.0	12.6	12.6	12.1	11.2	10.8	9.9	9.4	9.4	9.0	8.5
75°	12.1	11.7	11.7	10.8	9.9	9.0	8.1	7.6	6.7	6.3	5.4
77.5°	10.8	10.8	10.8	9.4	8.5	7.2	5.8	4.9	4.0	2.7	1.8
80°	3.6	4.0	4.5	4.0	4.0	3.6	3.1	2.2	1.8	0.9	0.0
82.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0
85°	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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: P596333  
 CATALOG NUMBER: MSA-SA3B-722-U-SLR-HSS

**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: P596333  
 CATALOG NUMBER: MSA-SA3B-722-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	949.9	949.9	949.9	949.9	949.9	949.9	949.9	949.9	949.9	949.9	949.9
2.5°	889.3	894.2	899.2	904.1	904.6	905.0	905.5	905.9	894.7	883.0	871.8
5°	882.5	892.0	901.0	909.9	905.0	900.1	895.1	890.2	889.7	889.7	889.3
7.5°	666.4	667.3	668.6	669.5	671.3	673.1	674.5	676.3	683.5	690.7	697.4
10°	533.4	527.5	521.3	515.4	510.9	506.0	501.5	496.5	500.1	504.2	507.8
12.5°	415.2	410.3	404.9	399.9	398.1	396.3	394.1	392.3	404.0	415.7	426.9
15°	298.4	297.5	296.1	295.2	301.1	306.9	312.8	318.6	328.5	337.9	347.8
17.5°	222.0	224.2	226.5	228.7	232.3	235.9	239.1	242.7	249.8	257.5	264.7
20°	172.1	175.2	177.9	180.6	179.7	178.8	177.5	176.6	182.4	188.3	193.7
22.5°	140.6	142.9	145.6	147.8	148.3	148.7	149.2	149.6	153.2	156.4	160.0
25°	120.4	123.1	125.4	127.6	128.1	128.5	129.0	129.4	133.9	138.4	142.4
27.5°	106.5	109.2	112.3	115.0	115.9	116.8	117.7	118.6	121.3	123.6	126.3
30°	93.9	97.5	101.1	104.7	106.0	107.4	108.7	110.1	112.8	115.9	118.6
32.5°	87.6	89.9	91.7	93.5	96.6	99.3	102.5	105.1	108.3	111.9	115.0
35°	80.4	82.7	85.4	87.6	89.9	92.1	93.9	96.2	98.0	99.8	101.1
37.5°	75.9	78.2	80.0	81.8	82.7	83.6	84.0	84.9	85.8	86.7	87.2
40°	72.3	71.9	71.9	71.4	72.3	73.7	74.6	75.5	78.2	80.4	83.1
42.5°	62.9	61.6	60.7	59.3	61.6	63.4	65.6	67.4	71.0	74.6	78.2
45°	53.5	52.6	51.2	50.3	53.5	56.6	59.8	62.9	67.0	70.5	74.6
47.5°	44.0	44.5	44.5	44.9	48.1	51.2	53.9	57.1	61.1	65.2	69.2
50°	36.8	37.7	38.6	39.5	42.7	45.4	48.5	51.2	55.7	59.8	64.3
52.5°	32.4	33.7	34.6	35.9	38.6	41.8	44.5	47.2	51.2	55.3	59.3
55°	29.2	31.0	32.4	33.7	35.9	38.2	40.4	42.7	46.7	50.8	54.4
57.5°	25.6	27.0	28.3	29.7	31.9	34.2	35.9	38.2	41.8	45.8	49.4
60°	22.5	23.4	24.7	25.6	27.4	29.7	31.5	33.3	36.8	40.4	43.6
62.5°	19.8	20.7	21.1	21.6	23.4	25.2	27.0	28.8	31.9	35.5	38.6
65°	17.5	18.0	18.0	18.4	19.8	21.6	22.9	24.3	27.9	31.0	34.6
67.5°	14.8	15.3	15.3	15.3	16.6	18.0	19.3	20.7	23.8	27.4	30.6
70°	11.7	12.1	12.1	12.1	13.5	15.3	16.6	18.0	20.7	23.4	26.1
72.5°	9.0	9.0	9.4	9.4	10.8	12.6	13.9	15.3	17.5	19.8	22.0
75°	5.8	6.3	6.3	6.7	8.1	9.9	11.2	12.6	14.8	17.1	18.9
77.5°	2.2	3.1	3.6	4.0	5.4	6.7	8.1	9.4	11.2	13.5	15.3
80°	0.0	0.4	0.4	0.4	1.3	1.8	2.7	3.1	4.5	6.3	7.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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: P596333  
 CATALOG NUMBER: MSA-SA3B-722-U-SLR-HSS

**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: P596333  
 CATALOG NUMBER: MSA-SA3B-722-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	949.9	949.9	949.9	949.9	949.9	949.9	949.9	949.9	949.9	949.9	949.9
2.5°	860.1	884.8	909.5	934.2	958.9	989.5	1020.0	1024.5	1029.0	1023.6	1018.7
5°	888.8	901.0	912.6	924.8	936.5	971.5	1006.1	1006.6	1006.6	1007.0	1007.0
7.5°	704.6	714.9	725.3	735.1	745.5	768.4	791.3	799.9	807.9	806.1	804.3
10°	511.4	524.8	537.9	551.4	564.4	585.5	606.6	614.7	622.4	647.1	672.2
12.5°	438.6	451.6	464.6	477.2	490.2	511.8	533.4	549.1	564.4	579.7	594.9
15°	357.2	367.6	378.4	388.7	399.0	408.9	418.8	438.1	457.0	472.3	487.6
17.5°	271.9	276.4	280.4	284.9	288.9	293.4	297.9	306.0	313.7	327.1	340.2
20°	199.5	203.1	206.7	209.8	213.4	217.9	222.4	228.3	233.7	236.8	239.5
22.5°	163.1	168.5	173.9	178.8	184.2	187.4	190.5	192.3	194.1	195.5	196.8
25°	146.9	151.9	156.4	161.3	165.8	167.2	168.5	172.1	175.7	175.7	175.7
27.5°	128.5	135.3	142.4	149.2	155.9	157.7	159.1	160.4	161.3	159.5	157.3
30°	121.3	128.1	134.8	141.1	147.8	150.5	152.8	154.1	155.5	153.2	151.0
32.5°	118.2	124.5	130.3	136.6	142.4	146.0	149.2	152.8	155.9	156.4	157.3
35°	102.9	106.9	111.4	115.5	119.5	121.3	123.1	124.5	125.4	125.4	125.4
37.5°	88.1	93.5	99.3	104.7	110.1	114.1	118.2	118.6	118.6	119.5	120.9
40°	85.4	90.8	96.2	101.1	106.5	111.0	115.0	115.5	115.9	116.8	117.7
42.5°	81.8	87.6	93.5	99.3	105.1	109.6	113.7	113.7	113.2	114.6	115.5
45°	78.2	84.0	89.4	95.3	100.7	106.5	111.9	110.5	108.7	111.0	112.8
47.5°	73.2	79.5	85.8	91.7	98.0	103.4	108.3	107.4	106.0	108.3	110.5
50°	68.3	74.6	80.9	87.2	93.5	99.3	104.7	103.8	102.9	105.6	107.8
52.5°	63.4	69.7	76.4	82.7	89.0	93.9	98.4	98.0	97.5	100.2	103.4
55°	58.4	64.3	70.5	76.4	82.2	87.6	92.6	91.7	90.8	93.0	95.3
57.5°	53.0	58.9	64.3	70.1	75.5	80.0	84.0	82.7	81.3	84.0	86.7
60°	47.2	52.6	58.0	62.9	68.3	71.9	75.0	74.1	72.8	75.5	78.2
62.5°	41.8	46.7	51.7	56.2	61.1	63.8	66.5	65.6	64.7	67.4	70.5
65°	37.7	41.8	45.4	49.4	53.0	55.7	58.4	57.1	55.7	58.9	61.6
67.5°	33.7	36.8	40.4	43.6	46.7	49.0	51.2	50.3	49.0	51.2	53.5
70°	28.8	31.9	35.0	37.7	40.9	43.1	45.4	44.0	42.2	44.5	46.7
72.5°	24.3	27.0	29.7	31.9	34.6	36.4	38.2	36.8	35.5	37.3	39.1
75°	21.1	23.4	25.6	27.4	29.7	30.6	31.5	31.0	30.1	31.9	33.3
77.5°	17.1	18.9	21.1	22.9	24.7	24.7	24.7	25.2	25.2	27.0	29.2
80°	9.0	10.8	12.6	13.9	15.7	15.7	15.3	16.2	16.6	18.9	21.1
82.5°	0.0	1.3	2.7	4.0	5.4	4.9	4.0	4.5	4.5	5.4	6.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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: P596333  
 CATALOG NUMBER: MSA-SA3B-722-U-SLR-HSS

**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: P596333  
 CATALOG NUMBER: MSA-SA3B-722-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	949.9	949.9	949.9	949.9	949.9	949.9	949.9	949.9	949.9	949.9	949.9
2.5°	1013.3	1007.9	1004.3	1001.2	997.6	994.0	998.5	1003.0	1007.0	1011.5	1025.0
5°	1007.5	1007.5	1004.3	1001.2	998.0	994.9	1001.6	1007.9	1014.6	1020.9	1020.5
7.5°	802.1	800.3	819.2	837.6	856.5	874.9	879.8	884.8	889.3	894.2	892.9
10°	697.0	721.7	729.8	737.8	745.9	754.0	763.9	773.8	783.7	793.6	797.2
12.5°	610.2	625.5	651.6	677.2	703.2	728.9	741.9	755.4	768.4	781.4	807.0
15°	502.8	518.1	540.6	563.0	585.5	608.0	628.6	649.8	670.4	691.1	722.1
17.5°	353.6	366.7	383.7	400.8	417.5	434.5	466.4	498.3	530.2	562.1	594.9
20°	242.7	245.3	253.4	262.0	270.1	278.2	306.9	336.1	364.9	393.6	436.8
22.5°	197.7	199.1	203.1	207.2	210.7	214.8	229.6	244.9	259.7	274.6	309.6
25°	175.2	175.2	177.9	180.6	183.3	186.0	194.1	202.2	209.8	217.9	240.4
27.5°	155.5	153.2	157.3	161.3	165.4	169.4	175.2	181.5	187.4	193.2	208.5
30°	148.7	146.5	151.4	156.4	161.3	166.3	172.1	177.9	183.3	189.2	199.5
32.5°	157.7	158.2	160.0	161.8	163.1	164.9	167.6	170.8	173.5	176.1	185.1
35°	125.4	125.4	128.5	131.7	134.4	137.5	142.4	147.4	152.3	157.3	166.7
37.5°	121.8	122.7	125.4	128.5	131.2	133.9	140.2	146.9	153.2	159.5	167.2
40°	118.2	119.1	122.7	126.3	129.9	133.5	139.7	145.6	151.9	157.7	164.9
42.5°	116.8	117.7	122.2	127.2	131.7	136.2	141.5	146.9	151.9	157.3	167.2
45°	115.0	116.8	122.2	128.1	133.5	138.9	143.8	148.7	153.7	158.6	170.8
47.5°	112.3	114.6	120.9	126.7	133.0	138.9	148.3	158.2	167.6	177.0	182.9
50°	110.5	112.8	119.5	126.3	133.0	139.7	155.0	170.3	185.1	200.4	197.3
52.5°	106.0	108.7	117.3	125.8	134.4	142.9	156.4	169.9	183.3	196.8	190.5
55°	97.5	99.8	109.6	119.5	129.0	138.9	148.7	158.6	168.1	177.9	170.8
57.5°	89.0	91.7	101.1	110.5	119.5	129.0	133.9	138.9	143.8	148.7	146.0
60°	80.9	83.6	96.2	108.7	121.3	133.9	129.4	124.9	120.0	115.5	118.6
62.5°	73.2	75.9	88.1	99.8	111.9	123.6	117.3	111.0	104.7	98.4	103.4
65°	64.7	67.4	71.9	76.8	81.3	85.8	85.4	84.5	84.0	83.1	88.5
67.5°	55.7	58.0	60.2	62.9	65.2	67.4	68.8	70.5	71.9	73.2	77.7
70°	48.5	50.8	53.5	55.7	58.4	60.7	61.6	62.5	62.9	63.8	67.9
72.5°	40.4	42.2	45.8	49.4	52.6	56.2	56.6	56.6	57.1	57.1	60.2
75°	35.0	36.4	39.1	41.8	44.0	46.7	48.1	49.4	50.3	51.7	53.5
77.5°	31.0	32.8	33.7	34.2	35.0	35.5	36.4	37.3	38.2	39.1	39.5
80°	22.9	25.2	26.1	26.5	27.4	27.9	27.9	27.4	27.4	27.0	27.4
82.5°	7.2	8.1	9.4	10.8	12.1	13.5	13.9	14.4	14.4	14.8	14.4
85°	1.3	1.8	2.7	3.6	4.0	4.9	4.5	3.6	3.1	2.2	1.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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: P596333  
 CATALOG NUMBER: MSA-SA3B-722-U-SLR-HSS

**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: P596333

CATALOG NUMBER: MSA-SA3B-722-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	949.9	949.9	949.9	949.9	949.9	949.9	949.9	949.9	949.9	949.9	949.9
2.5°	1038.5	1051.5	1065.0	1059.6	1054.2	1048.8	1043.4	1044.3	1045.7	1046.5	1047.4
5°	1020.0	1019.1	1018.7	1034.0	1049.7	1065.0	1080.3	1096.9	1114.0	1130.6	1147.2
7.5°	891.5	889.7	888.4	908.1	927.9	947.7	967.5	990.4	1013.7	1036.7	1059.6
10°	800.8	804.3	807.9	816.0	824.6	832.7	840.7	862.8	884.8	906.4	928.4
12.5°	832.7	857.8	883.4	888.4	892.9	897.8	902.3	905.5	908.6	911.7	914.9
15°	753.6	784.6	815.6	828.6	841.2	854.2	866.8	900.1	932.9	966.1	998.9
17.5°	627.8	660.1	692.9	732.0	771.1	810.2	849.3	885.2	921.2	957.1	993.1
20°	480.4	523.5	566.6	616.1	665.9	715.4	764.8	800.8	836.3	872.2	907.7
22.5°	345.1	380.2	415.2	475.0	534.3	594.0	653.4	715.8	778.7	841.2	903.7
25°	262.9	284.9	307.4	366.2	425.1	483.5	542.4	628.2	714.0	799.9	885.7
27.5°	223.3	238.6	253.4	306.5	359.5	412.1	465.1	567.1	669.1	771.1	873.1
30°	210.3	220.6	231.0	275.9	321.3	366.2	411.2	514.5	617.9	721.2	824.6
32.5°	194.1	202.7	211.6	251.2	290.7	329.8	369.4	470.5	571.6	672.2	773.3
35°	175.7	185.1	194.1	233.7	273.2	312.3	351.8	456.5	561.2	665.9	770.6
37.5°	174.4	182.0	189.2	235.0	281.3	327.1	373.0	477.7	582.4	686.6	791.3
40°	172.6	179.7	186.9	233.7	279.9	326.7	373.0	482.6	592.3	701.9	811.5
42.5°	177.0	186.5	196.4	237.7	279.1	319.9	361.3	476.8	592.3	707.3	822.8
45°	183.3	195.5	207.6	245.3	283.1	320.8	358.6	484.0	609.3	734.2	859.6
47.5°	189.2	195.0	200.9	236.8	272.3	308.3	343.8	471.8	599.9	728.0	856.0
50°	194.6	191.4	188.3	227.8	267.4	306.5	346.0	468.2	590.0	712.2	834.0
52.5°	183.8	177.5	170.8	213.0	255.2	297.0	339.3	462.4	585.5	708.6	831.8
55°	163.6	156.4	149.2	191.0	232.3	274.1	315.4	438.1	560.8	683.5	806.1
57.5°	142.9	140.2	137.1	169.0	200.9	232.3	264.2	400.4	537.0	673.1	809.3
60°	121.8	124.5	127.6	150.5	173.5	195.9	218.8	352.3	485.3	618.8	751.8
62.5°	107.8	112.8	117.3	136.6	156.4	175.7	195.0	320.8	446.7	572.5	698.3
65°	94.4	99.8	105.1	128.1	151.4	174.4	197.3	303.8	410.3	516.8	623.3
67.5°	82.2	86.3	90.8	120.9	151.0	181.1	211.2	298.4	385.1	472.3	559.0
70°	71.9	75.5	79.5	114.6	149.6	184.7	219.7	293.9	368.5	442.6	516.8
72.5°	63.4	66.5	69.7	105.1	140.6	176.1	211.6	277.7	343.3	409.4	475.0
75°	55.3	56.6	58.4	88.5	118.2	148.3	177.9	222.0	266.5	310.5	354.5
77.5°	40.0	40.0	40.4	49.4	58.0	67.0	75.5	102.9	130.3	157.3	184.7
80°	27.4	27.9	27.9	31.5	34.6	38.2	41.3	47.2	52.6	58.4	63.8
82.5°	13.9	13.0	12.6	16.2	19.8	23.4	27.0	28.3	29.2	30.6	31.5
85°	1.3	0.4	0.0	2.2	4.5	6.7	9.0	10.8	12.6	14.4	16.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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: P596333  
 CATALOG NUMBER: MSA-SA3B-722-U-SLR-HSS

**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: P596333

CATALOG NUMBER: MSA-SA3B-722-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	949.9	949.9	949.9	949.9	949.9	949.9	949.9	949.9	949.9	949.9	949.9
2.5°	1043.9	1040.3	1036.7	1033.1	1055.1	1077.6	1099.6	1121.6	1184.1	1224.9	1220.5
5°	1163.4	1179.6	1195.7	1211.9	1238.0	1264.5	1290.6	1316.6	1409.2	1465.8	1473.9
7.5°	1084.7	1109.5	1134.6	1159.3	1209.7	1259.5	1309.9	1359.8	1435.7	1494.6	1527.8
10°	956.7	985.0	1012.8	1041.2	1097.8	1154.8	1211.5	1268.1	1353.5	1434.8	1476.6
12.5°	959.4	1003.9	1048.3	1092.8	1142.3	1191.7	1240.7	1290.1	1342.2	1369.6	1428.5
15°	1034.0	1069.0	1104.1	1139.1	1203.8	1268.5	1332.8	1397.5	1428.5	1494.6	1563.3
17.5°	1061.4	1130.1	1198.4	1266.7	1347.6	1428.1	1508.9	1589.4	1647.8	1739.5	1810.5
20°	1010.6	1113.5	1216.0	1318.9	1429.9	1540.8	1651.8	1762.8	1826.6	1913.8	2023.4
22.5°	1012.8	1122.0	1230.8	1340.0	1493.2	1646.0	1799.2	1952.0	2123.2	2291.3	2344.7
25°	1028.6	1171.5	1313.9	1456.8	1633.9	1810.9	1988.0	2165.0	2371.7	2548.3	2619.3
27.5°	1034.0	1194.8	1355.3	1516.1	1767.8	2019.4	2271.0	2522.7	2769.4	2968.9	3044.8
30°	1020.9	1217.8	1414.1	1610.5	1919.2	2227.9	2536.6	2845.3	3079.4	3311.8	3406.1
32.5°	1024.1	1274.8	1525.6	1776.3	2139.8	2503.8	2867.3	3230.9	3380.5	3589.9	3756.2
35°	1045.7	1320.7	1595.2	1870.2	2272.4	2674.6	3076.7	3478.9	3724.3	3945.3	4086.4
37.5°	1096.0	1400.6	1704.9	2009.5	2503.8	2998.6	3492.8	3987.1	4366.8	4746.5	4811.3
40°	1133.3	1455.0	1776.8	2098.5	2672.3	3246.1	3820.0	4393.8	4823.4	5235.4	5279.5
42.5°	1175.5	1527.8	1880.6	2232.8	2874.5	3516.2	4157.9	4799.6	5297.0	5717.2	5746.4
45°	1221.8	1584.4	1946.6	2308.8	2981.0	3652.8	4325.1	4996.8	5577.9	6065.9	5955.8
47.5°	1243.8	1631.6	2019.4	2407.2	3128.0	3848.3	4569.1	5289.4	5810.6	6241.1	6112.6
50°	1260.9	1687.3	2114.2	2540.7	3296.5	4052.3	4808.1	5563.9	6086.5	6483.8	6282.4
52.5°	1309.0	1785.7	2263.0	2739.7	3543.6	4347.1	5151.0	5954.4	6459.9	6824.8	6542.6
55°	1355.7	1904.8	2454.4	3003.5	3868.1	4733.1	5597.6	6462.2	6965.5	7278.2	6894.9
57.5°	1414.6	2020.3	2625.6	3230.9	4155.6	5080.4	6004.7	6929.5	7421.6	7767.1	7369.0
60°	1399.3	2046.4	2693.9	3341.0	4282.8	5224.7	6166.5	7108.4	7693.0	8117.6	7847.6
62.5°	1340.0	1981.7	2622.9	3264.6	4189.8	5114.6	6039.8	6964.6	7665.1	8240.3	8149.5
65°	1220.0	1816.3	2413.0	3009.3	3892.8	4776.7	5660.1	6543.5	7408.1	8140.1	8172.4
67.5°	1062.3	1565.6	2068.4	2571.7	3395.8	4219.9	5043.6	5867.7	6888.2	7742.0	7838.1
70°	895.1	1273.0	1651.4	2029.3	2754.6	3479.8	4204.6	4929.9	5990.8	6850.0	7031.5
72.5°	717.6	960.7	1203.4	1446.0	1969.5	2492.6	3016.1	3539.1	4472.4	5139.3	5456.1
75°	465.1	575.6	686.2	796.7	1145.4	1493.7	1842.4	2190.6	2810.3	3301.4	3659.6
77.5°	207.2	229.6	251.6	274.1	543.3	812.4	1081.6	1350.8	1619.9	1916.5	2000.5
80°	74.1	84.0	94.4	104.3	236.4	368.9	501.0	633.1	763.5	916.7	954.0
82.5°	31.0	31.0	30.6	30.1	77.3	124.5	171.7	218.8	253.0	290.7	297.9
85°	12.6	9.4	5.8	2.2	9.9	18.0	25.6	33.3	53.5	48.5	89.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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: P596333  
 CATALOG NUMBER: MSA-SA3B-722-U-SLR-HSS

**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: P596333

CATALOG NUMBER: MSA-SA3B-722-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	949.9	949.9	949.9	949.9	949.9	949.9	949.9	949.9	949.9	949.9	949.9
2.5°	1203.4	1202.5	1201.6	1200.7	1199.8	1183.6	1167.9	1151.7	1136.0	1155.7	1175.5
5°	1460.9	1484.2	1507.6	1531.4	1554.8	1561.5	1568.3	1575.0	1581.7	1596.1	1610.5
7.5°	1555.7	1595.2	1634.3	1673.9	1712.9	1749.3	1785.3	1821.7	1858.1	1849.1	1840.1
10°	1522.9	1594.3	1665.8	1737.7	1809.1	1824.8	1840.6	1856.7	1872.5	1913.4	1954.2
12.5°	1487.4	1573.2	1659.0	1744.8	1830.7	1878.3	1925.5	1973.1	2020.8	2062.1	2103.4
15°	1655.9	1710.7	1765.5	1820.8	1875.6	1917.4	1958.7	2000.5	2041.9	2070.6	2098.9
17.5°	1877.4	1904.4	1931.3	1958.7	1985.7	2018.5	2051.3	2084.1	2116.9	2134.0	2151.1
20°	2111.5	2123.2	2134.9	2146.6	2158.3	2132.2	2106.1	2080.1	2054.0	2070.2	2085.9
22.5°	2346.5	2350.6	2355.1	2359.1	2363.2	2302.5	2241.8	2181.2	2120.5	2094.9	2069.3
25°	2708.3	2678.6	2649.0	2619.3	2589.6	2517.7	2445.8	2373.9	2302.1	2238.7	2175.3
27.5°	3100.1	2999.5	2899.2	2798.6	2698.4	2626.5	2554.6	2482.7	2410.8	2315.5	2220.3
30°	3495.1	3332.9	3171.1	3008.9	2847.1	2761.7	2676.4	2590.5	2505.2	2409.9	2315.1
32.5°	3857.3	3662.3	3467.2	3271.8	3076.7	2932.9	2789.2	2645.4	2501.6	2435.1	2368.6
35°	4157.4	3926.9	3696.4	3465.4	3234.9	3092.5	2950.0	2807.6	2665.1	2566.3	2467.9
37.5°	4670.6	4411.3	4152.0	3892.8	3633.5	3438.9	3244.8	3050.2	2855.7	2789.6	2723.5
40°	5143.8	4817.1	4490.4	4163.7	3837.1	3673.9	3511.3	3348.2	3185.5	3077.2	2969.3
42.5°	5519.9	5175.7	4831.9	4487.7	4143.5	3982.2	3821.3	3660.0	3498.7	3426.3	3354.4
45°	5601.2	5276.8	4952.8	4628.4	4303.9	4210.0	4116.5	4022.6	3929.2	3879.3	3829.9
47.5°	5761.6	5409.8	5058.4	4706.6	4354.7	4312.5	4270.2	4227.5	4185.3	4209.1	4232.9
50°	5851.5	5492.5	5133.4	4774.4	4415.4	4427.5	4439.2	4451.3	4463.5	4632.4	4800.9
52.5°	6025.9	5663.2	5300.6	4938.0	4575.3	4651.7	4727.7	4804.1	4880.0	5112.8	5345.1
55°	6337.3	5980.9	5624.6	5267.8	4911.5	5012.1	5112.8	5213.9	5314.5	5561.7	5808.4
57.5°	6798.8	6445.1	6091.9	5738.3	5385.1	5485.3	5585.5	5685.7	5785.9	6009.2	6232.1
60°	7379.8	7016.7	6654.1	6291.0	5928.4	5966.1	6003.4	6041.1	6078.9	6318.8	6558.3
62.5°	7832.3	7498.4	7165.0	6831.1	6497.7	6455.9	6414.6	6372.8	6331.4	6513.9	6695.9
65°	7937.4	7702.4	7467.8	7232.8	6997.8	6869.3	6741.2	6612.7	6484.2	6557.9	6631.6
67.5°	7636.4	7477.7	7319.6	7160.9	7002.3	6734.0	6465.8	6197.1	5928.8	5889.7	5850.6
70°	6937.6	6850.9	6764.6	6677.9	6591.6	6178.2	5765.2	5351.8	4938.9	4839.6	4740.3
72.5°	5474.5	5528.4	5582.3	5636.7	5690.6	5248.0	4805.9	4363.2	3920.6	3794.8	3669.4
75°	3860.4	4043.3	4226.2	4409.1	4592.0	4188.4	3785.4	3381.9	2978.3	2857.5	2737.0
77.5°	2093.1	2436.0	2778.8	3121.7	3464.5	3131.6	2799.0	2466.1	2133.1	2049.1	1965.5
80°	992.2	1189.9	1387.2	1584.9	1782.6	1707.6	1632.5	1557.0	1482.0	1500.4	1518.8
82.5°	304.2	447.1	590.0	732.9	875.8	887.0	897.8	909.0	920.3	948.1	975.6
85°	102.0	139.7	177.5	215.2	253.0	319.5	386.0	453.0	519.5	476.3	433.6
87.5°	0.0	1.3	2.2	3.6	4.5	13.9	23.4	32.8	42.2	36.4	31.0
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: P596333  
 CATALOG NUMBER: MSA-SA3B-722-U-SLR-HSS

**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: P596333

CATALOG NUMBER: MSA-SA3B-722-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	949.9	949.9	949.9	949.9	949.9	949.9	949.9	949.9	949.9	949.9	949.9
2.5°	1195.7	1215.5	1216.0	1216.9	1217.3	1217.8	1220.0	1222.2	1224.9	1227.2	1212.4
5°	1625.3	1639.7	1613.2	1586.7	1559.7	1533.2	1557.0	1580.8	1604.7	1628.5	1618.1
7.5°	1830.7	1821.7	1818.5	1815.8	1812.7	1810.0	1819.0	1828.0	1837.0	1846.0	1845.1
10°	1995.1	2036.0	2045.9	2055.8	2066.1	2076.0	2055.4	2034.7	2014.0	1993.3	1984.8
12.5°	2144.8	2186.1	2218.9	2251.7	2285.0	2317.8	2288.1	2258.9	2229.3	2200.0	2172.2
15°	2127.7	2156.0	2183.0	2209.9	2236.9	2263.9	2254.0	2244.5	2234.6	2224.8	2220.3
17.5°	2168.6	2185.7	2179.4	2173.1	2166.3	2160.1	2156.9	2154.2	2151.1	2147.9	2137.1
20°	2102.1	2118.3	2114.2	2110.6	2106.6	2102.5	2099.8	2097.1	2094.4	2091.8	2083.2
22.5°	2043.7	2018.1	2011.3	2005.0	1998.3	1992.0	1992.9	1993.8	1994.2	1995.1	2033.8
25°	2112.0	2048.6	2023.9	1999.2	1974.0	1949.3	1960.5	1971.3	1982.6	1993.8	2049.5
27.5°	2124.6	2029.3	1989.7	1950.2	1910.7	1871.1	1911.6	1952.0	1992.4	2032.9	2123.2
30°	2219.8	2125.0	2069.7	2014.9	1959.6	1904.8	1956.5	2008.2	2059.8	2111.5	2209.5
32.5°	2301.6	2235.1	2195.6	2156.0	2116.5	2076.9	2079.2	2081.0	2083.2	2085.5	2223.4
35°	2369.0	2270.6	2234.6	2199.1	2163.2	2127.7	2181.2	2234.6	2288.1	2341.6	2465.6
37.5°	2657.5	2591.4	2525.4	2459.8	2393.7	2328.1	2370.8	2413.5	2456.6	2499.3	2636.4
40°	2861.0	2753.2	2736.1	2719.5	2702.4	2685.8	2707.8	2729.4	2751.4	2773.4	2893.4
42.5°	3282.1	3209.7	3163.5	3117.6	3071.3	3025.5	3043.0	3060.6	3078.5	3096.1	3209.7
45°	3780.0	3730.1	3699.5	3669.0	3638.0	3607.4	3580.9	3554.9	3528.3	3502.3	3617.8
47.5°	4256.7	4280.6	4348.0	4414.9	4482.3	4549.3	4494.5	4439.6	4384.4	4329.5	4330.0
50°	4969.9	5138.4	5172.5	5206.2	5240.4	5274.1	5157.3	5040.4	4923.1	4806.3	4792.4
52.5°	5577.9	5810.2	5822.3	5834.4	5847.0	5859.2	5812.0	5764.8	5717.2	5670.0	5544.6
55°	6055.5	6302.2	6318.8	6335.0	6351.6	6367.8	6326.5	6285.6	6244.3	6202.9	6076.2
57.5°	6455.4	6678.3	6688.2	6697.7	6707.5	6717.4	6720.6	6723.7	6727.3	6730.5	6559.2
60°	6798.3	7038.3	7018.5	6999.2	6979.4	6960.1	6930.4	6900.8	6871.1	6841.4	6730.9
62.5°	6878.3	7060.7	7030.2	7000.1	6969.5	6939.4	6914.2	6889.5	6864.4	6839.2	6768.6
65°	6705.3	6779.0	6747.5	6716.1	6684.2	6652.7	6636.5	6620.8	6604.6	6588.5	6579.5
67.5°	5811.1	5772.0	5809.3	5846.6	5883.9	5921.2	5971.9	6022.7	6073.9	6124.7	6095.1
70°	4640.5	4541.2	4582.5	4623.4	4664.8	4705.7	4782.5	4859.3	4936.6	5013.5	4992.8
72.5°	3543.6	3417.8	3423.6	3429.5	3435.8	3441.6	3439.4	3437.6	3435.3	3433.1	3469.0
75°	2616.2	2495.3	2438.2	2381.1	2324.1	2267.0	2253.1	2239.1	2225.2	2211.3	2278.2
77.5°	1881.5	1797.9	1758.8	1720.1	1681.0	1642.4	1662.2	1681.9	1702.2	1721.9	1745.3
80°	1537.7	1556.1	1526.0	1496.4	1466.2	1436.1	1458.6	1480.6	1503.1	1525.6	1455.9
82.5°	1003.4	1030.8	938.3	845.7	753.1	660.6	716.7	772.9	829.5	885.7	856.9
85°	390.5	347.8	296.6	245.8	194.6	143.3	186.5	229.6	272.8	315.9	344.7
87.5°	25.2	19.8	15.7	11.7	7.2	3.1	6.7	10.3	14.4	18.0	30.1
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: P596333  
 CATALOG NUMBER: MSA-SA3B-722-U-SLR-HSS

**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: P596333

CATALOG NUMBER: MSA-SA3B-722-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	949.9	949.9	949.9	949.9	949.9	949.9	949.9	949.9	949.9	949.9	949.9
2.5°	1198.0	1183.2	1168.8	1140.5	1112.2	1083.8	1055.5	1095.1	1134.6	1174.2	1213.7
5°	1608.2	1597.9	1588.0	1590.7	1593.4	1596.6	1599.3	1605.1	1610.9	1616.3	1622.2
7.5°	1844.6	1843.7	1842.8	1822.1	1801.5	1780.3	1759.7	1770.0	1780.3	1790.7	1801.0
10°	1976.7	1968.2	1959.6	1914.3	1868.9	1823.0	1777.7	1757.9	1737.7	1717.9	1698.1
12.5°	2144.3	2116.0	2088.2	2039.6	1991.5	1943.0	1894.5	1876.5	1858.1	1840.1	1821.7
15°	2216.2	2211.7	2207.7	2173.1	2138.0	2103.4	2068.4	2006.8	1944.8	1883.3	1821.7
17.5°	2126.4	2115.1	2104.3	2159.2	2213.5	2268.3	2323.2	2259.4	2195.6	2131.7	2067.9
20°	2074.7	2066.1	2057.6	2159.6	2261.2	2363.2	2464.7	2436.4	2407.6	2379.3	2351.0
22.5°	2072.4	2111.5	2150.2	2239.6	2328.6	2418.0	2507.0	2555.9	2605.4	2654.3	2703.3
25°	2105.2	2161.4	2217.1	2365.4	2513.7	2662.4	2810.7	2866.9	2922.6	2978.8	3034.5
27.5°	2213.1	2303.4	2393.3	2522.7	2652.1	2782.0	2911.4	3034.1	3157.2	3279.8	3402.5
30°	2307.0	2405.0	2502.9	2657.0	2810.7	2964.9	3118.5	3272.2	3425.9	3579.6	3733.2
32.5°	2361.4	2499.8	2637.7	2825.1	3012.0	3199.4	3386.8	3555.3	3723.8	3891.9	4060.4
35°	2589.6	2714.1	2838.1	3045.3	3252.4	3460.0	3667.2	3875.7	4084.2	4292.2	4500.7
37.5°	2773.4	2910.9	3048.0	3274.5	3500.5	3727.0	3953.4	4241.5	4530.0	4818.0	5106.0
40°	3013.4	3133.4	3253.3	3465.4	3677.1	3889.2	4101.3	4466.6	4831.9	5196.8	5562.1
42.5°	3323.0	3436.7	3550.4	3777.3	4004.2	4231.1	4458.1	4862.5	5266.9	5670.9	6075.3
45°	3733.2	3849.2	3964.7	4145.3	4325.9	4506.6	4687.2	5117.3	5546.8	5976.9	6406.5
47.5°	4330.4	4330.9	4331.3	4461.7	4592.0	4722.7	4853.0	5286.2	5719.0	6152.1	6584.9
50°	4778.5	4764.1	4750.1	4817.5	4884.5	4951.9	5019.3	5417.9	5816.9	6215.5	6614.1
52.5°	5419.7	5294.3	5169.4	5209.4	5248.9	5288.9	5328.5	5665.9	6003.8	6341.3	6678.8
55°	5949.9	5823.2	5696.5	5681.7	5666.8	5652.0	5637.2	5947.7	6258.2	6568.7	6879.2
57.5°	6388.5	6217.3	6046.5	6012.4	5978.7	5944.5	5910.4	6238.0	6565.1	6892.7	7219.8
60°	6620.8	6510.3	6399.7	6377.7	6355.2	6333.2	6310.8	6579.5	6848.2	7116.9	7385.6
62.5°	6698.5	6628.0	6557.9	6599.2	6640.6	6682.4	6723.7	6841.9	6959.6	7077.8	7195.5
65°	6570.9	6561.9	6553.0	6637.9	6722.4	6807.3	6892.2	6863.0	6833.4	6804.1	6774.9
67.5°	6065.9	6036.2	6007.0	6193.5	6379.5	6566.0	6752.5	6610.9	6468.9	6327.4	6185.8
70°	4972.1	4951.0	4930.3	5199.0	5467.8	5736.9	6005.6	5834.0	5662.3	5490.7	5319.0
72.5°	3504.5	3540.5	3576.4	3893.2	4209.6	4526.4	4842.7	4669.7	4496.7	4323.7	4150.7
75°	2344.7	2411.7	2478.6	2804.9	3131.1	3457.8	3784.0	3580.9	3377.8	3174.7	2971.6
77.5°	1768.7	1792.0	1815.4	2021.7	2227.9	2434.6	2640.9	2473.3	2305.2	2137.6	1969.5
80°	1386.3	1316.2	1246.5	1314.4	1382.2	1450.1	1517.9	1417.7	1317.5	1217.8	1117.5
82.5°	828.2	799.4	770.6	807.5	843.9	880.7	917.6	874.4	830.9	787.7	744.1
85°	373.0	401.7	430.0	467.3	504.2	541.5	578.8	518.6	458.3	398.1	337.9
87.5°	41.8	53.9	66.1	81.8	97.5	113.2	129.0	100.7	71.9	43.6	15.3
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: P596333  
 CATALOG NUMBER: MSA-SA3B-722-U-SLR-HSS

**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: P596333  
 CATALOG NUMBER: MSA-SA3B-722-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
0°	949.9	949.9
2.5°	1236.6	1259.5
5°	1621.7	1620.8
7.5°	1774.1	1746.6
10°	1673.0	1647.8
12.5°	1757.4	1693.2
15°	1773.2	1724.6
17.5°	1988.8	1909.3
20°	2249.0	2146.6
22.5°	2563.1	2422.5
25°	2867.3	2700.2
27.5°	3302.3	3201.7
30°	3631.7	3529.7
32.5°	3991.2	3922.0
35°	4432.0	4362.8
37.5°	5124.0	5141.5
40°	5572.9	5583.7
42.5°	6117.1	6158.9
45°	6453.2	6499.9
47.5°	6650.0	6715.2
50°	6719.2	6824.4
52.5°	6808.6	6938.1
55°	7023.4	7167.7
57.5°	7334.8	7449.9
60°	7391.0	7396.4
62.5°	7112.4	7029.3
65°	6686.4	6597.9
67.5°	6132.4	6078.4
70°	5248.0	5177.0
72.5°	4018.6	3886.5
75°	2808.0	2644.5
77.5°	1883.7	1797.9
80°	1120.2	1122.5
82.5°	764.8	785.0
85°	333.9	329.4
87.5°	10.8	5.8
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: P596333  
CATALOG NUMBER: MSA-SA3B-722-U-SLR-HSS

**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)