

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: P596773

Luminaire Tested: **MSA-SA4B-827-U-SLR-HSS**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P596773  
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-SA4B-827-U-SLR-HSS  
Description: MESA POST TOP DECORATIVE LUMINAIRE. (4) 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: 10419 lumens  
Efficiency: N/A  
Efficacy: 60.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G2

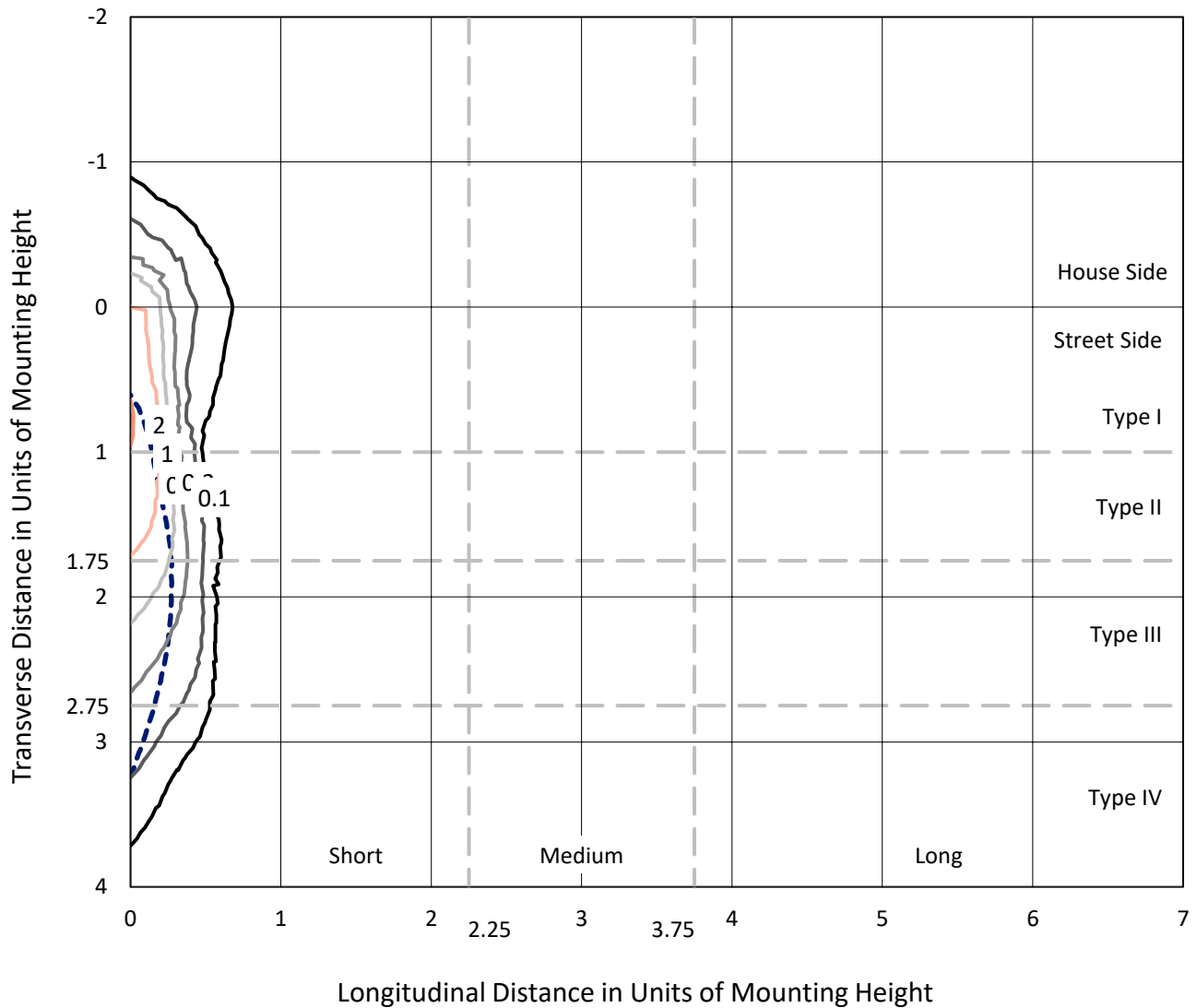
Input Watts (W): 171  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

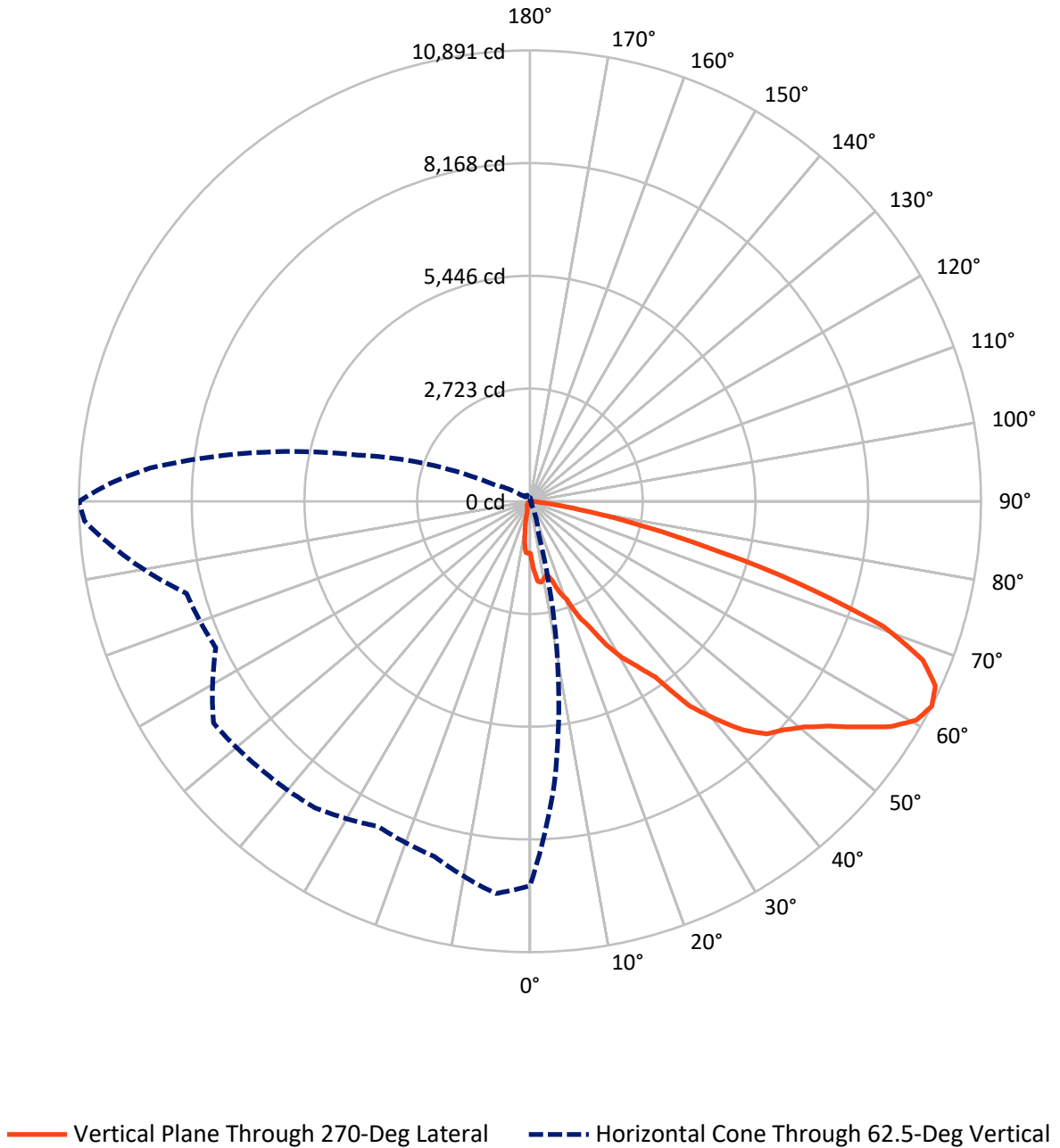
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1739.8	0.0	1739.8
	% Fixture	16.7	0.0	16.7
<b>Street Side</b>	Lumens	8679.2	0.0	8679.2
	% Fixture	83.3	0.0	83.3
<b>Total</b>	Lumens	10419.0	0.0	10419.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	140.3	1.3
10°-20°	366.4	3.5
20°-30°	592.3	5.7
30°-40°	992.0	9.5
40°-50°	1621.7	15.6
50°-60°	2400.6	23.0
60°-70°	2755.9	26.5
70°-80°	1362.6	13.1
80°-90°	187.2	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°	10419.0	100.0
0°-180°	10419.0	100.0

**Coefficient of Utilization**

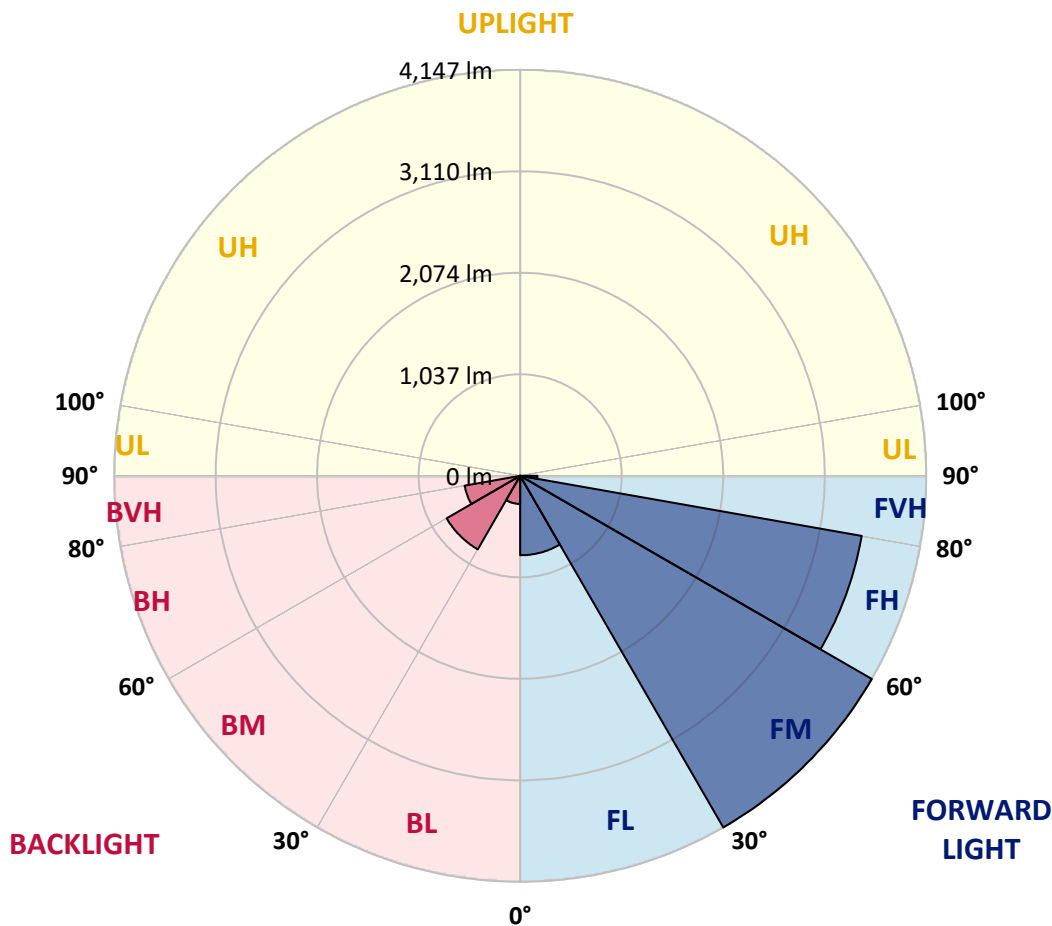


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	811.7	7.8			
FM (30°-60°)	4147.3	39.8			
FH (60°-80°)	3543.0	34.0			G2/5000
FVH (80°-90°)	177.2	1.7			G2/225
BL (0°-30°)	287.3	2.8	B1/500		
BM (30°-60°)	867.0	8.3	B1/1000		
BH (60°-80°)	575.6	5.5	B2/1000		G2/1000
BVH (80°-90°)	10.0	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**  
 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°	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5
2.5°	1664.7	1685.5	1705.7	1667.1	1628.5	1589.9	1551.3	1516.9	1482.4	1447.4	1412.9
5°	2142.3	2104.2	2066.2	2014.0	1961.7	1909.4	1857.2	1832.8	1808.5	1784.1	1759.8
7.5°	2308.6	2240.8	2172.5	2126.2	2080.5	2034.2	1987.8	1914.8	1841.1	1768.1	1694.4
10°	2177.9	2106.0	2033.6	1993.2	1952.8	1912.4	1872.0	1781.2	1689.7	1598.8	1507.4
12.5°	2237.9	2160.1	2082.3	1999.1	1916.0	1832.8	1749.7	1680.2	1610.1	1540.6	1470.5
15°	2279.4	2190.4	2100.7	2005.7	1910.6	1815.6	1720.6	1638.6	1557.2	1475.3	1393.3
17.5°	2523.5	2395.9	2268.2	2122.1	1976.0	1829.9	1683.8	1588.7	1494.3	1399.3	1304.2
20°	2837.1	2656.0	2474.3	2276.5	2078.7	1880.9	1683.2	1565.0	1446.8	1328.6	1210.4
22.5°	3201.8	2975.5	2748.6	2504.5	2261.0	2016.9	1772.8	1603.0	1433.1	1263.3	1093.4
25°	3568.8	3364.5	3160.2	2831.8	2503.4	2174.3	1845.9	1630.3	1414.1	1198.5	982.3
27.5°	4231.7	3866.4	3501.1	3083.0	2665.5	2247.4	1829.3	1582.2	1335.1	1087.5	840.4
30°	4665.2	4384.3	4102.8	3550.4	2998.7	2446.3	1894.0	1581.0	1268.0	954.4	641.4
32.5°	5183.7	4772.7	4361.1	3761.9	3162.6	2563.3	1964.1	1596.4	1228.2	860.6	492.4
35°	5766.3	5319.1	4871.9	4112.9	3353.8	2594.2	1835.2	1478.9	1122.5	766.2	409.8
37.5°	6795.6	6047.3	5298.9	4414.0	3528.5	2643.5	1758.0	1402.2	1045.9	690.1	333.8
40°	7380.0	6665.5	5951.0	4845.2	3739.3	2633.4	1527.6	1211.6	896.2	580.3	264.3
42.5°	8140.2	7233.9	6327.0	5091.0	3855.1	2619.2	1383.2	1091.0	798.8	506.0	213.8
45°	8591.0	7564.1	6537.2	5198.0	3858.7	2519.4	1180.1	927.1	674.1	421.1	168.1
47.5°	8875.5	7845.6	6815.8	5377.9	3940.6	2502.8	1064.9	832.1	599.3	366.4	133.6
50°	9019.8	7987.0	6953.6	5475.9	3998.2	2520.0	1042.3	810.7	578.5	346.8	114.6
52.5°	9170.1	8174.1	7177.5	5645.8	4114.1	2582.3	1050.6	814.3	578.5	342.1	105.7
55°	9473.6	8491.2	7508.3	5889.3	4270.3	2651.2	1032.2	799.4	566.6	333.2	100.4
57.5°	9846.5	8796.5	7745.9	6067.4	4389.0	2710.6	1032.2	798.2	564.2	329.6	95.6
60°	9775.9	8636.1	7495.8	5867.3	4238.8	2609.7	981.1	758.4	536.3	313.6	90.9
62.5°	9290.6	8053.5	6815.8	5310.8	3805.2	2300.2	794.7	617.1	439.5	261.3	83.7
65°	8720.5	7407.3	6093.6	4708.6	3323.0	1937.9	552.3	433.6	314.2	195.4	76.0
67.5°	8033.9	6633.4	5233.0	4001.2	2770.0	1538.2	306.5	247.1	187.7	127.7	68.3
70°	6842.5	5396.9	3950.7	3004.0	2057.9	1111.2	164.5	139.0	113.4	87.9	62.4
72.5°	5136.8	3812.3	2487.9	1889.8	1292.4	694.3	96.2	86.7	76.6	67.1	57.0
75°	3495.2	2502.8	1510.3	1149.8	789.9	429.4	68.9	64.1	58.8	54.0	48.7
77.5°	2376.3	1718.8	1061.3	810.1	558.9	307.6	56.4	53.5	50.5	46.9	43.9
80°	1483.6	1015.6	547.6	421.7	295.2	169.3	42.8	41.0	39.2	36.8	35.0
82.5°	1037.6	620.6	203.7	159.2	114.6	69.5	24.9	25.5	26.1	26.1	26.7
85°	435.3	235.2	35.0	29.7	24.4	19.0	13.7	14.8	16.6	17.8	19.0
87.5°	7.7	4.2	0.0	1.2	3.0	4.2	5.3	7.1	8.3	10.1	11.3
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



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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°	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5
2.5°	1421.8	1430.7	1439.1	1448.0	1440.8	1434.3	1427.2	1420.1	1409.4	1399.3	1388.6
5°	1730.1	1700.4	1670.7	1641.0	1595.9	1550.7	1505.0	1459.8	1454.5	1449.2	1443.2
7.5°	1625.0	1555.5	1485.4	1415.9	1350.6	1285.2	1219.9	1154.6	1134.4	1114.8	1094.6
10°	1453.9	1400.5	1346.4	1293.0	1246.0	1198.5	1151.6	1104.1	1054.8	1005.5	955.6
12.5°	1414.7	1358.9	1302.5	1246.6	1203.9	1161.1	1118.3	1075.6	1020.3	965.1	909.9
15°	1332.7	1272.2	1211.6	1151.0	1094.0	1037.0	979.4	922.4	855.8	789.3	722.8
17.5°	1232.4	1161.1	1089.2	1017.4	942.5	867.7	792.9	718.0	641.4	565.4	488.8
20°	1113.0	1015.6	917.6	820.2	727.5	634.9	541.7	449.0	400.9	353.4	305.3
22.5°	967.5	841.0	715.1	588.6	512.5	435.9	359.9	283.3	262.5	241.7	220.9
25°	839.2	696.1	552.9	409.8	361.7	313.6	265.5	217.4	207.9	197.8	188.3
27.5°	705.6	571.3	436.5	301.7	274.4	246.5	219.2	191.2	184.7	178.8	172.2
30°	541.1	440.7	339.7	239.3	221.5	203.7	185.3	167.5	164.5	161.0	158.0
32.5°	419.3	345.7	272.6	199.0	188.9	178.8	168.7	158.6	153.8	149.1	143.7
35°	350.4	291.6	232.2	172.8	165.7	158.0	150.9	143.1	138.4	133.0	128.3
37.5°	290.4	247.7	204.3	161.0	153.2	145.5	137.2	129.5	125.9	122.3	118.8
40°	239.3	214.4	189.5	164.5	153.2	141.9	130.7	119.4	116.4	113.4	110.5
42.5°	197.8	181.7	165.1	149.1	140.8	133.0	124.7	116.4	112.3	107.5	103.3
45°	159.8	150.9	142.5	133.6	134.2	134.8	134.8	135.4	124.7	113.4	102.7
47.5°	129.5	125.3	120.6	116.4	121.2	125.9	130.1	134.8	123.5	112.3	100.4
50°	111.1	108.1	104.5	101.0	105.7	111.1	115.8	120.6	115.8	111.7	106.9
52.5°	101.6	97.4	93.2	89.1	90.9	93.2	95.0	96.8	96.8	96.8	96.8
55°	95.6	91.5	86.7	82.0	80.2	77.8	76.0	73.6	70.7	68.3	65.3
57.5°	90.9	86.1	80.8	76.0	73.1	69.5	66.5	63.0	60.0	56.4	53.5
60°	86.1	81.4	76.0	71.3	68.3	65.3	61.8	58.8	55.2	52.3	48.7
62.5°	79.6	75.4	71.3	67.1	64.1	61.8	58.8	55.8	52.3	48.7	44.5
65°	72.5	69.5	65.9	62.4	59.4	56.4	53.5	50.5	46.9	43.9	40.4
67.5°	65.9	63.0	60.6	57.6	54.0	51.1	47.5	43.9	41.6	39.2	36.2
70°	60.6	58.2	56.4	54.0	50.5	47.5	43.9	40.4	38.6	36.2	34.4
72.5°	55.2	53.5	51.1	49.3	46.3	43.4	40.4	37.4	35.6	33.9	32.1
75°	47.5	46.3	45.1	43.9	41.0	38.0	34.4	31.5	30.9	30.3	29.7
77.5°	42.8	42.2	41.0	39.8	36.8	33.9	30.9	27.9	28.5	29.1	29.1
80°	35.0	35.0	34.4	34.4	32.1	29.7	26.7	24.4	25.5	27.3	28.5
82.5°	26.7	26.7	26.7	26.7	24.4	22.0	19.6	17.2	19.0	20.2	22.0
85°	18.4	17.8	17.2	16.6	14.8	13.7	11.9	10.1	12.5	14.3	16.6
87.5°	11.3	11.9	11.9	11.9	10.7	8.9	7.7	5.9	7.1	7.7	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: P596773  
 CATALOG NUMBER: MSA-SA4B-827-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: P596773  
 CATALOG NUMBER: MSA-SA4B-827-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5
2.5°	1377.9	1360.1	1342.3	1323.8	1306.0	1264.4	1222.9	1181.3	1139.7	1170.6	1200.9
5°	1437.9	1403.4	1368.4	1333.9	1298.9	1283.5	1268.6	1253.2	1237.7	1240.1	1243.1
7.5°	1074.4	1051.8	1029.3	1006.1	983.5	978.8	974.6	969.9	965.1	975.2	984.7
10°	906.3	874.8	842.8	811.3	779.2	762.0	744.8	727.5	710.3	708.5	706.2
12.5°	854.6	806.5	759.0	710.9	662.8	625.4	588.0	550.6	513.1	516.1	519.1
15°	656.3	608.2	560.7	512.5	464.4	434.2	403.3	373.0	342.1	333.2	324.3
17.5°	412.2	376.5	340.9	304.7	269.0	258.9	249.4	239.3	229.3	226.3	223.3
20°	257.2	241.7	226.3	210.2	194.8	192.4	190.1	187.7	185.3	187.1	188.9
22.5°	200.1	193.6	186.5	180.0	172.8	170.5	168.1	165.7	163.3	165.1	166.3
25°	178.2	173.4	168.7	163.9	159.2	156.8	153.8	151.4	148.5	149.7	151.4
27.5°	165.7	161.5	157.4	153.2	149.1	144.9	141.4	137.2	133.0	135.4	137.2
30°	154.4	149.7	145.5	140.8	136.0	131.8	127.7	122.9	118.8	121.2	123.5
32.5°	139.0	134.8	130.1	125.9	121.2	118.8	116.4	113.4	111.1	112.8	114.0
35°	122.9	119.4	116.4	112.8	109.3	106.9	105.1	102.7	100.4	101.0	102.2
37.5°	115.2	111.1	106.9	102.7	98.6	97.4	96.2	94.4	93.2	93.2	93.2
40°	107.5	103.3	99.2	94.4	90.3	88.5	86.7	84.9	83.1	83.1	83.1
42.5°	98.6	94.4	90.3	86.1	82.0	80.2	77.8	76.0	73.6	73.6	73.6
45°	91.5	87.3	83.7	79.6	75.4	72.5	69.5	65.9	63.0	62.4	61.8
47.5°	89.1	83.1	77.2	71.3	65.3	62.4	59.4	55.8	52.9	52.3	51.7
50°	102.2	90.3	78.4	66.5	54.6	52.3	49.9	47.5	45.1	43.9	43.4
52.5°	96.8	84.3	71.9	59.4	46.9	45.1	43.4	41.6	39.8	38.6	37.4
55°	62.4	57.0	52.3	46.9	41.6	40.4	39.2	37.4	36.2	35.0	33.9
57.5°	49.9	46.9	44.5	41.6	38.6	37.4	36.2	34.4	33.3	31.5	30.3
60°	45.1	42.8	40.4	38.0	35.6	34.4	33.3	32.1	30.9	29.1	27.9
62.5°	41.0	39.2	37.4	35.6	33.9	32.7	31.5	30.3	29.1	27.3	25.5
65°	36.8	35.6	34.4	33.3	32.1	30.9	29.7	27.9	26.7	24.9	23.2
67.5°	33.9	33.3	32.7	32.1	31.5	30.3	28.5	27.3	25.5	23.8	21.4
70°	32.1	32.1	32.1	31.5	31.5	30.3	28.5	27.3	25.5	23.2	21.4
72.5°	30.3	30.9	31.5	31.5	32.1	30.3	28.5	26.7	24.9	22.6	20.8
75°	29.1	29.7	30.3	30.3	30.9	29.7	28.5	26.7	25.5	23.2	20.8
77.5°	29.7	30.3	30.3	30.9	30.9	29.7	28.5	26.7	25.5	22.6	19.6
80°	29.7	29.1	28.5	27.3	26.7	24.4	22.0	19.0	16.6	13.1	10.1
82.5°	23.2	22.0	21.4	20.2	19.0	16.6	14.3	11.9	9.5	7.1	4.8
85°	18.4	17.2	16.6	15.4	14.3	12.5	10.1	8.3	5.9	4.8	3.0
87.5°	9.5	8.9	7.7	7.1	5.9	4.8	3.0	1.8	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: P596773  
 CATALOG NUMBER: MSA-SA4B-827-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: P596773  
 CATALOG NUMBER: MSA-SA4B-827-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5
2.5°	1231.8	1262.1	1257.9	1253.8	1273.4	1293.0	1278.7	1265.0	1250.8	1236.5	1206.8
5°	1245.4	1247.8	1243.7	1238.9	1239.5	1240.1	1230.6	1221.1	1211.6	1202.1	1200.3
7.5°	994.8	1004.3	1017.4	1029.9	1030.4	1030.4	1023.3	1016.2	1008.5	1001.3	1004.9
10°	704.4	702.0	705.6	709.1	708.5	707.4	726.4	745.4	763.8	782.8	769.1
12.5°	521.5	524.4	509.6	494.7	500.1	504.8	507.8	510.8	513.7	516.7	525.0
15°	315.4	306.5	295.8	285.1	290.4	295.2	300.5	305.3	310.6	315.4	320.7
17.5°	219.7	216.8	212.0	206.7	207.3	207.9	208.5	209.1	209.1	209.7	210.8
20°	190.6	192.4	188.9	184.7	183.5	181.7	180.6	179.4	177.6	176.4	174.6
22.5°	168.1	169.3	169.9	169.9	167.5	164.5	162.1	160.4	158.0	155.6	154.4
25°	152.6	153.8	152.6	150.9	149.7	148.5	147.3	145.5	144.3	142.5	141.9
27.5°	139.6	141.4	141.4	140.8	139.6	137.8	134.8	132.4	129.5	126.5	127.1
30°	125.9	128.3	128.3	127.7	127.1	126.5	123.5	120.6	117.6	114.6	115.8
32.5°	115.8	117.0	116.4	115.8	115.8	115.2	112.8	111.1	108.7	106.3	106.3
35°	102.7	103.3	103.3	103.3	103.3	102.7	101.0	99.2	97.4	95.6	96.2
37.5°	93.2	93.2	95.0	96.2	95.0	93.8	92.7	90.9	89.7	87.9	87.9
40°	82.6	82.6	84.3	85.5	84.3	83.1	82.6	81.4	80.8	79.6	79.6
42.5°	73.1	73.1	74.8	76.0	76.0	75.4	74.2	73.1	71.9	70.7	71.3
45°	61.2	60.6	63.5	65.9	64.7	63.5	63.5	63.0	63.0	62.4	63.0
47.5°	50.5	49.9	52.3	54.6	54.0	52.9	52.9	52.9	52.9	52.9	53.5
50°	42.2	41.0	43.4	45.1	44.5	43.4	43.4	43.9	43.9	43.9	44.5
52.5°	36.2	35.0	36.8	38.0	37.4	36.8	36.8	37.4	37.4	37.4	38.0
55°	32.1	30.9	32.7	33.9	33.3	32.1	32.7	32.7	33.3	33.3	33.3
57.5°	28.5	26.7	27.9	29.1	29.1	28.5	29.1	29.1	29.7	29.7	29.7
60°	26.1	24.4	25.5	26.1	26.1	25.5	26.1	26.1	26.7	26.7	26.7
62.5°	23.2	21.4	22.6	23.2	23.2	22.6	23.2	23.2	23.8	23.8	23.8
65°	20.8	19.0	19.6	20.2	20.2	20.2	20.8	20.8	21.4	21.4	21.4
67.5°	19.6	17.2	17.8	18.4	18.4	18.4	19.0	19.0	19.6	19.6	20.2
70°	19.0	16.6	17.2	17.2	17.8	17.8	17.8	18.4	18.4	18.4	18.4
72.5°	18.4	16.0	16.0	16.0	16.6	16.6	16.6	17.2	17.2	17.2	17.2
75°	18.4	16.0	15.4	14.8	15.4	15.4	15.4	16.0	16.0	16.0	16.0
77.5°	16.0	13.1	11.9	10.1	11.9	13.1	13.7	13.7	14.3	14.3	14.3
80°	6.5	3.0	1.8	0.0	0.6	1.2	1.8	2.4	3.0	3.6	4.2
82.5°	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.8	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: P596773  
 CATALOG NUMBER: MSA-SA4B-827-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: P596773  
 CATALOG NUMBER: MSA-SA4B-827-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5
2.5°	1177.1	1147.4	1117.7	1132.0	1146.3	1160.5	1174.8	1173.6	1171.8	1170.6	1168.8
5°	1199.1	1197.3	1195.6	1187.2	1179.5	1171.2	1162.9	1161.1	1158.7	1156.9	1154.6
7.5°	1008.5	1011.4	1015.0	1005.5	996.0	986.5	977.0	952.6	928.3	903.3	879.0
10°	755.5	741.2	727.5	726.4	725.2	724.0	722.8	720.4	718.0	715.1	712.7
12.5°	533.9	542.2	550.6	547.6	544.6	541.1	538.1	542.2	547.0	551.2	555.3
15°	325.5	330.8	335.6	346.3	356.9	367.6	378.3	382.5	387.2	391.4	395.5
17.5°	212.0	212.6	213.8	225.7	237.0	248.9	260.1	267.9	275.6	282.7	290.4
20°	172.8	171.0	169.3	175.8	182.3	188.9	195.4	202.5	209.7	216.8	223.9
22.5°	153.8	152.6	151.4	153.8	156.2	158.0	160.4	165.7	171.6	177.0	182.3
25°	141.4	140.2	139.6	140.8	141.9	143.1	144.3	147.3	150.3	153.2	156.2
27.5°	127.1	127.7	127.7	128.9	129.5	130.7	131.3	132.4	134.2	135.4	136.6
30°	116.4	117.6	118.2	119.4	120.0	121.2	121.8	121.2	120.6	120.0	119.4
32.5°	106.3	105.7	105.7	106.9	107.5	108.7	109.3	110.5	111.7	112.3	113.4
35°	96.2	96.8	96.8	96.8	97.4	97.4	97.4	98.6	100.4	101.6	102.7
37.5°	87.3	87.3	86.7	88.5	89.7	91.5	92.7	93.8	95.6	96.8	98.0
40°	79.6	79.6	79.6	80.8	82.0	82.6	83.7	86.7	89.7	92.7	95.6
42.5°	71.3	71.9	71.9	73.1	74.2	74.8	76.0	78.4	80.2	82.6	84.3
45°	63.5	64.1	64.7	65.9	66.5	67.7	68.3	69.5	70.1	71.3	71.9
47.5°	54.6	55.2	55.8	57.0	57.6	58.8	59.4	58.8	58.8	58.2	57.6
50°	45.7	46.3	46.9	48.7	49.9	51.7	52.9	51.7	50.5	48.7	47.5
52.5°	38.6	38.6	39.2	40.4	41.6	42.2	43.4	42.8	42.2	41.6	41.0
55°	33.3	33.3	33.3	33.9	34.4	35.0	35.6	36.2	36.2	36.8	36.8
57.5°	29.7	29.1	29.1	29.7	30.3	30.3	30.9	31.5	31.5	32.1	32.1
60°	26.7	26.1	26.1	26.7	27.3	27.9	28.5	28.5	28.5	27.9	27.9
62.5°	23.8	23.8	23.8	24.4	24.4	24.9	24.9	24.9	25.5	25.5	25.5
65°	22.0	22.0	22.0	22.0	22.0	21.4	21.4	22.0	22.0	22.6	22.6
67.5°	20.2	20.8	20.8	20.2	19.6	19.0	18.4	19.0	19.0	19.6	19.6
70°	18.4	18.4	18.4	17.8	17.2	16.6	16.0	16.0	16.0	15.4	15.4
72.5°	17.2	16.6	16.6	16.0	14.8	14.3	13.1	12.5	12.5	11.9	11.3
75°	16.0	15.4	15.4	14.3	13.1	11.9	10.7	10.1	8.9	8.3	7.1
77.5°	14.3	14.3	14.3	12.5	11.3	9.5	7.7	6.5	5.3	3.6	2.4
80°	4.8	5.3	5.9	5.3	5.3	4.8	4.2	3.0	2.4	1.2	0.0
82.5°	0.6	0.6	0.6	0.6	0.6	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: P596773  
 CATALOG NUMBER: MSA-SA4B-827-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: P596773  
 CATALOG NUMBER: MSA-SA4B-827-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5
2.5°	1175.4	1181.9	1188.4	1195.0	1195.6	1196.1	1196.7	1197.3	1182.5	1167.0	1152.2
5°	1166.5	1178.9	1190.8	1202.7	1196.1	1189.6	1183.1	1176.5	1176.0	1176.0	1175.4
7.5°	880.8	882.0	883.7	884.9	887.3	889.7	891.5	893.8	903.3	912.8	921.8
10°	705.0	697.3	688.9	681.2	675.3	668.7	662.8	656.3	661.0	666.4	671.1
12.5°	548.8	542.2	535.1	528.6	526.2	523.8	520.9	518.5	533.9	549.4	564.2
15°	394.4	393.2	391.4	390.2	397.9	405.6	413.4	421.1	434.2	446.6	459.7
17.5°	293.4	296.4	299.3	302.3	307.1	311.8	316.0	320.7	330.2	340.3	349.8
20°	227.5	231.6	235.2	238.8	237.6	236.4	234.6	233.4	241.1	248.9	256.0
22.5°	185.9	188.9	192.4	195.4	196.0	196.6	197.2	197.8	202.5	206.7	211.4
25°	159.2	162.7	165.7	168.7	169.3	169.9	170.5	171.0	177.0	182.9	188.3
27.5°	140.8	144.3	148.5	152.0	153.2	154.4	155.6	156.8	160.4	163.3	166.9
30°	124.1	128.9	133.6	138.4	140.2	141.9	143.7	145.5	149.1	153.2	156.8
32.5°	115.8	118.8	121.2	123.5	127.7	131.3	135.4	139.0	143.1	147.9	152.0
35°	106.3	109.3	112.8	115.8	118.8	121.8	124.1	127.1	129.5	131.8	133.6
37.5°	100.4	103.3	105.7	108.1	109.3	110.5	111.1	112.3	113.4	114.6	115.2
40°	95.6	95.0	95.0	94.4	95.6	97.4	98.6	99.8	103.3	106.3	109.9
42.5°	83.1	81.4	80.2	78.4	81.4	83.7	86.7	89.1	93.8	98.6	103.3
45°	70.7	69.5	67.7	66.5	70.7	74.8	79.0	83.1	88.5	93.2	98.6
47.5°	58.2	58.8	58.8	59.4	63.5	67.7	71.3	75.4	80.8	86.1	91.5
50°	48.7	49.9	51.1	52.3	56.4	60.0	64.1	67.7	73.6	79.0	84.9
52.5°	42.8	44.5	45.7	47.5	51.1	55.2	58.8	62.4	67.7	73.1	78.4
55°	38.6	41.0	42.8	44.5	47.5	50.5	53.5	56.4	61.8	67.1	71.9
57.5°	33.9	35.6	37.4	39.2	42.2	45.1	47.5	50.5	55.2	60.6	65.3
60°	29.7	30.9	32.7	33.9	36.2	39.2	41.6	43.9	48.7	53.5	57.6
62.5°	26.1	27.3	27.9	28.5	30.9	33.3	35.6	38.0	42.2	46.9	51.1
65°	23.2	23.8	23.8	24.4	26.1	28.5	30.3	32.1	36.8	41.0	45.7
67.5°	19.6	20.2	20.2	20.2	22.0	23.8	25.5	27.3	31.5	36.2	40.4
70°	15.4	16.0	16.0	16.0	17.8	20.2	22.0	23.8	27.3	30.9	34.4
72.5°	11.9	11.9	12.5	12.5	14.3	16.6	18.4	20.2	23.2	26.1	29.1
75°	7.7	8.3	8.3	8.9	10.7	13.1	14.8	16.6	19.6	22.6	24.9
77.5°	3.0	4.2	4.8	5.3	7.1	8.9	10.7	12.5	14.8	17.8	20.2
80°	0.0	0.6	0.6	0.6	1.8	2.4	3.6	4.2	5.9	8.3	10.1
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: P596773  
 CATALOG NUMBER: MSA-SA4B-827-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: P596773  
 CATALOG NUMBER: MSA-SA4B-827-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5
2.5°	1136.8	1169.4	1202.1	1234.8	1267.4	1307.8	1348.2	1354.1	1360.1	1352.9	1346.4
5°	1174.8	1190.8	1206.2	1222.3	1237.7	1284.0	1329.8	1330.4	1330.4	1331.0	1331.0
7.5°	931.3	944.9	958.6	971.6	985.3	1015.6	1045.9	1057.2	1067.9	1065.5	1063.1
10°	675.9	693.7	710.9	728.7	746.0	773.9	801.8	812.5	822.6	855.2	888.5
12.5°	579.7	596.9	614.1	630.7	648.0	676.5	705.0	725.8	746.0	766.2	786.3
15°	472.2	485.8	500.1	513.7	527.4	540.5	553.5	579.1	604.0	624.2	644.4
17.5°	359.3	365.3	370.6	376.5	381.9	387.8	393.8	404.5	414.6	432.4	449.6
20°	263.7	268.5	273.2	277.4	282.1	288.0	294.0	301.7	308.8	313.0	316.6
22.5°	215.6	222.7	229.8	236.4	243.5	247.7	251.8	254.2	256.6	258.4	260.1
25°	194.2	200.7	206.7	213.2	219.2	220.9	222.7	227.5	232.2	232.2	232.2
27.5°	169.9	178.8	188.3	197.2	206.1	208.5	210.2	212.0	213.2	210.8	207.9
30°	160.4	169.3	178.2	186.5	195.4	199.0	201.9	203.7	205.5	202.5	199.6
32.5°	156.2	164.5	172.2	180.6	188.3	193.0	197.2	201.9	206.1	206.7	207.9
35°	136.0	141.4	147.3	152.6	158.0	160.4	162.7	164.5	165.7	165.7	165.7
37.5°	116.4	123.5	131.3	138.4	145.5	150.9	156.2	156.8	156.8	158.0	159.8
40°	112.8	120.0	127.1	133.6	140.8	146.7	152.0	152.6	153.2	154.4	155.6
42.5°	108.1	115.8	123.5	131.3	139.0	144.9	150.3	150.3	149.7	151.4	152.6
45°	103.3	111.1	118.2	125.9	133.0	140.8	147.9	146.1	143.7	146.7	149.1
47.5°	96.8	105.1	113.4	121.2	129.5	136.6	143.1	141.9	140.2	143.1	146.1
50°	90.3	98.6	106.9	115.2	123.5	131.3	138.4	137.2	136.0	139.6	142.5
52.5°	83.7	92.1	101.0	109.3	117.6	124.1	130.1	129.5	128.9	132.4	136.6
55°	77.2	84.9	93.2	101.0	108.7	115.8	122.3	121.2	120.0	122.9	125.9
57.5°	70.1	77.8	84.9	92.7	99.8	105.7	111.1	109.3	107.5	111.1	114.6
60°	62.4	69.5	76.6	83.1	90.3	95.0	99.2	98.0	96.2	99.8	103.3
62.5°	55.2	61.8	68.3	74.2	80.8	84.3	87.9	86.7	85.5	89.1	93.2
65°	49.9	55.2	60.0	65.3	70.1	73.6	77.2	75.4	73.6	77.8	81.4
67.5°	44.5	48.7	53.5	57.6	61.8	64.7	67.7	66.5	64.7	67.7	70.7
70°	38.0	42.2	46.3	49.9	54.0	57.0	60.0	58.2	55.8	58.8	61.8
72.5°	32.1	35.6	39.2	42.2	45.7	48.1	50.5	48.7	46.9	49.3	51.7
75°	27.9	30.9	33.9	36.2	39.2	40.4	41.6	41.0	39.8	42.2	43.9
77.5°	22.6	24.9	27.9	30.3	32.7	32.7	32.7	33.3	33.3	35.6	38.6
80°	11.9	14.3	16.6	18.4	20.8	20.8	20.2	21.4	22.0	24.9	27.9
82.5°	0.0	1.8	3.6	5.3	7.1	6.5	5.3	5.9	5.9	7.1	8.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2
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: P596773  
 CATALOG NUMBER: MSA-SA4B-827-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: P596773

CATALOG NUMBER: MSA-SA4B-827-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5
2.5°	1339.3	1332.2	1327.4	1323.2	1318.5	1313.7	1319.7	1325.6	1331.0	1336.9	1354.7
5°	1331.6	1331.6	1327.4	1323.2	1319.1	1314.9	1323.8	1332.2	1341.1	1349.4	1348.8
7.5°	1060.1	1057.8	1082.7	1107.1	1132.0	1156.4	1162.9	1169.4	1175.4	1181.9	1180.1
10°	921.2	953.8	964.5	975.2	985.9	996.6	1009.7	1022.7	1035.8	1048.9	1053.6
12.5°	806.5	826.7	861.2	895.0	929.5	963.3	980.6	998.4	1015.6	1032.8	1066.7
15°	664.6	684.8	714.5	744.2	773.9	803.6	830.9	858.8	886.1	913.4	954.4
17.5°	467.4	484.6	507.2	529.8	551.7	574.3	616.5	658.7	700.8	743.0	786.3
20°	320.7	324.3	335.0	346.3	356.9	367.6	405.6	444.2	482.3	520.3	577.3
22.5°	261.3	263.1	268.5	273.8	278.5	283.9	303.5	323.7	343.3	362.9	409.2
25°	231.6	231.6	235.2	238.8	242.3	245.9	256.6	267.3	277.4	288.0	317.7
27.5°	205.5	202.5	207.9	213.2	218.6	223.9	231.6	239.9	247.7	255.4	275.6
30°	196.6	193.6	200.1	206.7	213.2	219.7	227.5	235.2	242.3	250.0	263.7
32.5°	208.5	209.1	211.4	213.8	215.6	218.0	221.5	225.7	229.3	232.8	244.7
35°	165.7	165.7	169.9	174.0	177.6	181.7	188.3	194.8	201.3	207.9	220.3
37.5°	161.0	162.1	165.7	169.9	173.4	177.0	185.3	194.2	202.5	210.8	220.9
40°	156.2	157.4	162.1	166.9	171.6	176.4	184.7	192.4	200.7	208.5	218.0
42.5°	154.4	155.6	161.5	168.1	174.0	180.0	187.1	194.2	200.7	207.9	220.9
45°	152.0	154.4	161.5	169.3	176.4	183.5	190.1	196.6	203.1	209.7	225.7
47.5°	148.5	151.4	159.8	167.5	175.8	183.5	196.0	209.1	221.5	234.0	241.7
50°	146.1	149.1	158.0	166.9	175.8	184.7	204.9	225.1	244.7	264.9	260.7
52.5°	140.2	143.7	155.0	166.3	177.6	188.9	206.7	224.5	242.3	260.1	251.8
55°	128.9	131.8	144.9	158.0	170.5	183.5	196.6	209.7	222.1	235.2	225.7
57.5°	117.6	121.2	133.6	146.1	158.0	170.5	177.0	183.5	190.1	196.6	193.0
60°	106.9	110.5	127.1	143.7	160.4	177.0	171.0	165.1	158.6	152.6	156.8
62.5°	96.8	100.4	116.4	131.8	147.9	163.3	155.0	146.7	138.4	130.1	136.6
65°	85.5	89.1	95.0	101.6	107.5	113.4	112.8	111.7	111.1	109.9	117.0
67.5°	73.6	76.6	79.6	83.1	86.1	89.1	90.9	93.2	95.0	96.8	102.7
70°	64.1	67.1	70.7	73.6	77.2	80.2	81.4	82.6	83.1	84.3	89.7
72.5°	53.5	55.8	60.6	65.3	69.5	74.2	74.8	74.8	75.4	75.4	79.6
75°	46.3	48.1	51.7	55.2	58.2	61.8	63.5	65.3	66.5	68.3	70.7
77.5°	41.0	43.4	44.5	45.1	46.3	46.9	48.1	49.3	50.5	51.7	52.3
80°	30.3	33.3	34.4	35.0	36.2	36.8	36.8	36.2	36.2	35.6	36.2
82.5°	9.5	10.7	12.5	14.3	16.0	17.8	18.4	19.0	19.0	19.6	19.0
85°	1.8	2.4	3.6	4.8	5.3	6.5	5.9	4.8	4.2	3.0	2.4
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: P596773  
 CATALOG NUMBER: MSA-SA4B-827-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: P596773

CATALOG NUMBER: MSA-SA4B-827-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5
2.5°	1372.5	1389.8	1407.6	1400.5	1393.3	1386.2	1379.1	1380.3	1382.0	1383.2	1384.4
5°	1348.2	1347.0	1346.4	1366.6	1387.4	1407.6	1427.8	1449.7	1472.3	1494.3	1516.3
7.5°	1178.3	1176.0	1174.2	1200.3	1226.4	1252.6	1278.7	1309.0	1339.9	1370.2	1400.5
10°	1058.4	1063.1	1067.9	1078.6	1089.8	1100.5	1111.2	1140.3	1169.4	1197.9	1227.0
12.5°	1100.5	1133.8	1167.6	1174.2	1180.1	1186.6	1192.6	1196.7	1200.9	1205.1	1209.2
15°	996.0	1037.0	1078.0	1095.2	1111.8	1129.0	1145.7	1189.6	1233.0	1276.9	1320.3
17.5°	829.7	872.5	915.8	967.5	1019.2	1070.8	1122.5	1170.0	1217.5	1265.0	1312.6
20°	634.9	691.9	748.9	814.3	880.2	945.5	1010.8	1058.4	1105.3	1152.8	1199.7
22.5°	456.1	502.5	548.8	627.8	706.2	785.2	863.6	946.1	1029.3	1111.8	1194.4
25°	347.4	376.5	406.2	484.0	561.8	639.1	716.9	830.3	943.7	1057.2	1170.6
27.5°	295.2	315.4	335.0	405.1	475.1	544.6	614.7	749.5	884.3	1019.2	1154.0
30°	278.0	291.6	305.3	364.7	424.6	484.0	543.4	680.0	816.6	953.2	1089.8
32.5°	256.6	267.9	279.7	332.0	384.3	435.9	488.2	621.8	755.5	888.5	1022.1
35°	232.2	244.7	256.6	308.8	361.1	412.8	465.0	603.4	741.8	880.2	1018.6
37.5°	230.4	240.5	250.0	310.6	371.8	432.4	493.0	631.3	769.7	907.5	1045.9
40°	228.1	237.6	247.1	308.8	370.0	431.8	493.0	637.9	782.8	927.7	1072.6
42.5°	234.0	246.5	259.5	314.2	368.8	422.9	477.5	630.1	782.8	934.8	1087.5
45°	242.3	258.4	274.4	324.3	374.2	424.1	473.9	639.6	805.4	970.5	1136.2
47.5°	250.0	257.8	265.5	313.0	359.9	407.4	454.3	623.6	792.9	962.1	1131.4
50°	257.2	253.0	248.9	301.1	353.4	405.1	457.3	618.9	779.8	941.4	1102.3
52.5°	242.9	234.6	225.7	281.5	337.3	392.6	448.4	611.1	773.9	936.6	1099.3
55°	216.2	206.7	197.2	252.4	307.1	362.3	416.9	579.1	741.2	903.3	1065.5
57.5°	188.9	185.3	181.1	223.3	265.5	307.1	349.2	529.2	709.7	889.7	1069.6
60°	161.0	164.5	168.7	199.0	229.3	258.9	289.2	465.6	641.4	817.8	993.6
62.5°	142.5	149.1	155.0	180.6	206.7	232.2	257.8	424.1	590.4	756.6	922.9
65°	124.7	131.8	139.0	169.3	200.1	230.4	260.7	401.5	542.2	683.0	823.8
67.5°	108.7	114.0	120.0	159.8	199.6	239.3	279.1	394.4	509.0	624.2	738.8
70°	95.0	99.8	105.1	151.4	197.8	244.1	290.4	388.4	487.0	585.0	683.0
72.5°	83.7	87.9	92.1	139.0	185.9	232.8	279.7	367.0	453.8	541.1	627.8
75°	73.1	74.8	77.2	117.0	156.2	196.0	235.2	293.4	352.2	410.4	468.6
77.5°	52.9	52.9	53.5	65.3	76.6	88.5	99.8	136.0	172.2	207.9	244.1
80°	36.2	36.8	36.8	41.6	45.7	50.5	54.6	62.4	69.5	77.2	84.3
82.5°	18.4	17.2	16.6	21.4	26.1	30.9	35.6	37.4	38.6	40.4	41.6
85°	1.8	0.6	0.0	3.0	5.9	8.9	11.9	14.3	16.6	19.0	21.4
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: P596773  
 CATALOG NUMBER: MSA-SA4B-827-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: P596773

CATALOG NUMBER: MSA-SA4B-827-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5
2.5°	1379.7	1374.9	1370.2	1365.4	1394.5	1424.2	1453.3	1482.4	1565.0	1619.0	1613.1
5°	1537.6	1559.0	1580.4	1601.8	1636.2	1671.3	1705.7	1740.2	1862.5	1937.4	1948.0
7.5°	1433.7	1466.4	1499.6	1532.3	1598.8	1664.7	1731.3	1797.2	1897.6	1975.4	2019.3
10°	1264.4	1301.9	1338.7	1376.1	1450.9	1526.4	1601.2	1676.0	1788.9	1896.4	1951.6
12.5°	1268.0	1326.8	1385.6	1444.4	1509.7	1575.1	1639.8	1705.1	1774.0	1810.3	1888.1
15°	1366.6	1412.9	1459.3	1505.6	1591.1	1676.6	1761.6	1847.1	1888.1	1975.4	2066.2
17.5°	1402.8	1493.7	1584.0	1674.2	1781.2	1887.5	1994.4	2100.7	2177.9	2299.0	2392.9
20°	1335.7	1471.7	1607.1	1743.1	1889.8	2036.5	2183.2	2329.9	2414.3	2529.5	2674.4
22.5°	1338.7	1483.0	1626.7	1771.1	1973.6	2175.5	2378.0	2580.0	2806.3	3028.4	3099.1
25°	1359.5	1548.3	1736.6	1925.5	2159.5	2393.5	2627.5	2861.5	3134.7	3368.1	3461.9
27.5°	1366.6	1579.2	1791.3	2003.9	2336.5	2669.1	3001.7	3334.2	3660.3	3924.0	4024.4
30°	1349.4	1609.5	1869.1	2128.6	2536.6	2944.6	3352.7	3760.7	4070.1	4377.2	4501.9
32.5°	1353.5	1684.9	2016.3	2347.7	2828.2	3309.3	3789.8	4270.3	4468.0	4744.8	4964.5
35°	1382.0	1745.5	2108.4	2471.9	3003.4	3535.0	4066.5	4598.1	4922.4	5214.6	5401.1
37.5°	1448.6	1851.2	2253.3	2656.0	3309.3	3963.2	4616.5	5269.8	5771.7	6273.5	6359.1
40°	1497.9	1923.1	2348.3	2773.6	3532.0	4290.4	5048.9	5807.3	6375.1	6919.7	6977.9
42.5°	1553.7	2019.3	2485.5	2951.2	3799.3	4647.4	5495.5	6343.6	7001.1	7556.4	7595.0
45°	1614.9	2094.1	2572.8	3051.5	3940.0	4827.9	5716.4	6604.3	7372.3	8017.3	7871.8
47.5°	1644.0	2156.5	2669.1	3181.6	4134.2	5086.3	6038.9	6991.0	7679.9	8248.9	8079.0
50°	1666.5	2230.2	2794.4	3358.0	4357.0	5355.9	6354.9	7353.9	8044.6	8569.6	8303.5
52.5°	1730.1	2360.2	2991.0	3621.1	4683.6	5745.5	6808.1	7870.0	8538.1	9020.4	8647.4
55°	1791.8	2517.6	3244.0	3969.7	5112.4	6255.7	7398.4	8541.1	9206.3	9619.7	9113.0
57.5°	1869.6	2670.2	3470.3	4270.3	5492.5	6714.8	7936.5	9158.8	9809.1	10265.8	9739.6
60°	1849.5	2704.7	3560.5	4415.8	5660.6	6905.5	8150.3	9395.2	10167.8	10729.1	10372.1
62.5°	1771.1	2619.2	3466.7	4314.8	5537.7	6760.0	7982.8	9205.1	10131.0	10891.2	10771.3
65°	1612.5	2400.6	3189.3	3977.5	5145.1	6313.3	7481.0	8648.6	9791.3	10758.8	10801.5
67.5°	1404.0	2069.2	2733.8	3399.0	4488.2	5577.5	6666.1	7755.4	9104.1	10232.6	10359.7
70°	1183.1	1682.6	2182.6	2682.1	3640.7	4599.3	5557.3	6515.9	7918.1	9053.7	9293.6
72.5°	948.5	1269.8	1590.5	1911.2	2603.1	3294.5	3986.4	4677.7	5911.2	6792.6	7211.3
75°	614.7	760.8	906.9	1053.0	1513.9	1974.2	2435.1	2895.3	3714.4	4363.5	4836.9
77.5°	273.8	303.5	332.6	362.3	718.0	1073.8	1429.6	1785.3	2141.1	2533.1	2644.1
80°	98.0	111.1	124.7	137.8	312.4	487.6	662.2	836.8	1009.1	1211.6	1260.9
82.5°	41.0	41.0	40.4	39.8	102.2	164.5	226.9	289.2	334.4	384.3	393.8
85°	16.6	12.5	7.7	3.0	13.1	23.8	33.9	43.9	70.7	64.1	118.8
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: P596773  
 CATALOG NUMBER: MSA-SA4B-827-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: P596773

CATALOG NUMBER: MSA-SA4B-827-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5
2.5°	1590.5	1589.3	1588.1	1586.9	1585.8	1564.4	1543.6	1522.2	1501.4	1527.6	1553.7
5°	1930.8	1961.7	1992.6	2024.1	2054.9	2063.9	2072.8	2081.7	2090.6	2109.6	2128.6
7.5°	2056.1	2108.4	2160.1	2212.3	2264.0	2312.1	2359.6	2407.7	2455.8	2444.0	2432.1
10°	2012.8	2107.2	2201.6	2296.7	2391.1	2411.9	2432.7	2454.1	2474.8	2528.9	2582.9
12.5°	1965.9	2079.3	2192.7	2306.2	2419.6	2482.6	2544.9	2607.9	2670.8	2725.5	2780.1
15°	2188.6	2261.0	2333.5	2406.5	2479.0	2534.2	2588.9	2644.1	2698.8	2736.8	2774.2
17.5°	2481.4	2517.0	2552.7	2588.9	2624.5	2667.9	2711.2	2754.6	2797.9	2820.5	2843.1
20°	2790.8	2806.3	2821.7	2837.1	2852.6	2818.1	2783.7	2749.2	2714.8	2736.2	2757.0
22.5°	3101.4	3106.8	3112.7	3118.1	3123.4	3043.2	2963.0	2882.9	2802.7	2768.8	2735.0
25°	3579.5	3540.3	3501.1	3461.9	3422.7	3327.7	3232.7	3137.7	3042.6	2958.9	2875.1
27.5°	4097.4	3964.4	3831.9	3698.9	3566.5	3471.4	3376.4	3281.4	3186.4	3060.4	2934.5
30°	4619.5	4405.1	4191.3	3976.9	3763.1	3650.2	3537.4	3423.9	3311.1	3185.2	3059.9
32.5°	5098.2	4840.4	4582.7	4324.3	4066.5	3876.5	3686.4	3496.4	3306.3	3218.4	3130.5
35°	5494.9	5190.2	4885.6	4580.3	4275.6	4087.3	3899.1	3710.8	3522.5	3391.9	3261.8
37.5°	6173.2	5830.5	5487.8	5145.1	4802.4	4545.2	4288.7	4031.5	3774.3	3687.0	3599.7
40°	6798.6	6366.8	5935.0	5503.2	5071.4	4855.9	4640.9	4425.3	4210.3	4067.1	3924.6
42.5°	7295.7	6840.7	6386.4	5931.4	5476.5	5263.3	5050.7	4837.4	4624.2	4528.6	4433.6
45°	7403.2	6974.4	6546.1	6117.3	5688.5	5564.4	5440.9	5316.7	5193.2	5127.3	5061.9
47.5°	7615.2	7150.2	6685.7	6220.7	5755.6	5699.8	5644.0	5587.6	5531.7	5563.2	5594.7
50°	7734.0	7259.4	6784.9	6310.4	5835.8	5851.9	5867.3	5883.3	5899.4	6122.7	6345.4
52.5°	7964.4	7485.1	7005.8	6526.5	6047.3	6148.2	6248.6	6349.6	6449.9	6757.6	7064.6
55°	8376.0	7905.0	7434.0	6962.5	6491.5	6624.5	6757.6	6891.2	7024.2	7350.9	7677.0
57.5°	8985.9	8518.5	8051.7	7584.3	7117.5	7249.9	7382.4	7514.8	7647.3	7942.4	8237.0
60°	9753.9	9274.0	8794.7	8314.8	7835.5	7885.4	7934.7	7984.6	8034.5	8351.6	8668.2
62.5°	10352.0	9910.7	9470.0	9028.7	8588.0	8532.8	8478.2	8422.9	8368.3	8609.4	8849.9
65°	10490.9	10180.3	9870.3	9559.7	9249.1	9079.2	8909.9	8740.1	8570.2	8667.6	8765.0
67.5°	10093.0	9883.4	9674.3	9464.6	9255.0	8900.4	8545.9	8190.7	7836.1	7784.5	7732.8
70°	9169.5	9054.8	8940.8	8826.2	8712.2	8165.8	7619.9	7073.5	6527.7	6396.5	6265.2
72.5°	7235.7	7306.9	7378.2	7450.1	7521.4	6936.3	6351.9	5766.9	5181.9	5015.6	4849.9
75°	5102.3	5344.1	5585.8	5827.5	6069.2	5535.9	5003.1	4469.8	3936.5	3776.7	3617.5
77.5°	2766.5	3219.6	3672.8	4125.9	4579.1	4139.0	3699.5	3259.4	2819.3	2708.3	2597.8
80°	1311.4	1572.7	1833.4	2094.7	2356.1	2256.9	2157.7	2057.9	1958.7	1983.1	2007.4
82.5°	402.1	590.9	779.8	968.7	1157.5	1172.4	1186.6	1201.5	1216.3	1253.2	1289.4
85°	134.8	184.7	234.6	284.5	334.4	422.3	510.2	598.7	686.6	629.6	573.1
87.5°	0.0	1.8	3.0	4.8	5.9	18.4	30.9	43.4	55.8	48.1	41.0
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: P596773  
 CATALOG NUMBER: MSA-SA4B-827-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: P596773  
 CATALOG NUMBER: MSA-SA4B-827-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5
2.5°	1580.4	1606.5	1607.1	1608.3	1608.9	1609.5	1612.5	1615.5	1619.0	1622.0	1602.4
5°	2148.2	2167.2	2132.2	2097.1	2061.5	2026.4	2057.9	2089.4	2120.9	2152.4	2138.7
7.5°	2419.6	2407.7	2403.6	2400.0	2395.9	2392.3	2404.2	2416.1	2427.9	2439.8	2438.6
10°	2637.0	2691.0	2704.1	2717.2	2730.8	2743.9	2716.6	2689.3	2661.9	2634.6	2623.3
12.5°	2834.8	2889.4	2932.8	2976.1	3020.1	3063.4	3024.2	2985.6	2946.4	2907.8	2871.0
15°	2812.2	2849.6	2885.2	2920.9	2956.5	2992.1	2979.1	2966.6	2953.5	2940.5	2934.5
17.5°	2866.2	2888.8	2880.5	2872.2	2863.3	2855.0	2850.8	2847.2	2843.1	2838.9	2824.7
20°	2778.3	2799.7	2794.4	2789.6	2784.3	2778.9	2775.4	2771.8	2768.2	2764.7	2753.4
22.5°	2701.1	2667.3	2658.4	2650.1	2641.1	2632.8	2634.0	2635.2	2635.8	2637.0	2688.1
25°	2791.4	2707.7	2675.0	2642.3	2609.1	2576.4	2591.3	2605.5	2620.4	2635.2	2708.9
27.5°	2808.0	2682.1	2629.9	2577.6	2525.3	2473.1	2526.5	2580.0	2633.4	2686.9	2806.3
30°	2933.9	2808.6	2735.6	2663.1	2590.1	2517.6	2585.9	2654.2	2722.5	2790.8	2920.3
32.5°	3042.0	2954.1	2901.9	2849.6	2797.3	2745.1	2748.0	2750.4	2753.4	2756.4	2938.7
35°	3131.1	3001.1	2953.5	2906.6	2859.1	2812.2	2882.9	2953.5	3024.2	3094.9	3258.8
37.5°	3512.4	3425.1	3337.8	3251.1	3163.8	3077.1	3133.5	3189.9	3246.9	3303.4	3484.5
40°	3781.5	3638.9	3616.4	3594.4	3571.8	3549.8	3578.9	3607.4	3636.5	3665.6	3824.2
42.5°	4338.0	4242.3	4181.2	4120.6	4059.4	3998.8	4022.0	4045.2	4068.9	4092.1	4242.3
45°	4996.0	4930.1	4889.7	4849.3	4808.3	4768.0	4732.9	4698.5	4663.4	4629.0	4781.6
47.5°	5626.2	5657.6	5746.7	5835.2	5924.3	6012.8	5940.3	5867.9	5794.8	5722.4	5723.0
50°	6568.7	6791.4	6836.6	6881.1	6926.2	6970.8	6816.4	6662.0	6506.9	6352.5	6334.1
52.5°	7372.3	7679.3	7695.4	7711.4	7728.0	7744.1	7681.7	7619.3	7556.4	7494.0	7328.3
55°	8003.6	8329.7	8351.6	8373.0	8395.0	8416.4	8361.7	8307.7	8253.1	8198.4	8030.9
57.5°	8532.2	8826.8	8839.8	8852.3	8865.4	8878.4	8882.6	8886.8	8891.5	8895.7	8669.4
60°	8985.4	9302.5	9276.4	9250.8	9224.7	9199.2	9160.0	9120.8	9081.6	9042.4	8896.3
62.5°	9091.1	9332.2	9291.8	9252.0	9211.6	9171.8	9138.6	9105.9	9072.7	9039.4	8946.2
65°	8862.4	8959.8	8918.2	8876.7	8834.5	8792.9	8771.5	8750.8	8729.4	8708.0	8696.1
67.5°	7680.5	7628.9	7678.1	7727.4	7776.7	7826.0	7893.1	7960.3	8028.0	8095.1	8055.9
70°	6133.4	6002.1	6056.8	6110.8	6165.4	6219.5	6321.0	6422.6	6524.8	6626.3	6599.0
72.5°	4683.6	4517.3	4525.0	4532.8	4541.1	4548.8	4545.8	4543.5	4540.5	4537.5	4585.0
75°	3457.8	3298.0	3222.6	3147.2	3071.7	2996.3	2977.9	2959.5	2941.1	2922.7	3011.2
77.5°	2486.7	2376.3	2324.6	2273.5	2221.8	2170.8	2196.9	2223.0	2249.8	2275.9	2306.8
80°	2032.4	2056.7	2016.9	1977.7	1937.9	1898.2	1927.9	1957.0	1986.6	2016.3	1924.3
82.5°	1326.2	1362.4	1240.1	1117.7	995.4	873.1	947.3	1021.5	1096.4	1170.6	1132.6
85°	516.1	459.7	392.0	324.9	257.2	189.5	246.5	303.5	360.5	417.5	455.5
87.5°	33.3	26.1	20.8	15.4	9.5	4.2	8.9	13.7	19.0	23.8	39.8
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: P596773  
 CATALOG NUMBER: MSA-SA4B-827-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: P596773

CATALOG NUMBER: MSA-SA4B-827-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5
2.5°	1583.4	1563.8	1544.8	1507.4	1469.9	1432.5	1395.1	1447.4	1499.6	1551.9	1604.2
5°	2125.6	2112.0	2098.9	2102.5	2106.0	2110.2	2113.7	2121.5	2129.2	2136.3	2144.0
7.5°	2438.0	2436.8	2435.6	2408.3	2381.0	2353.1	2325.8	2339.4	2353.1	2366.8	2380.4
10°	2612.6	2601.4	2590.1	2530.1	2470.1	2409.5	2349.5	2323.4	2296.7	2270.5	2244.4
12.5°	2834.2	2796.8	2759.9	2695.8	2632.2	2568.1	2503.9	2480.2	2455.8	2432.1	2407.7
15°	2929.2	2923.3	2917.9	2872.2	2825.9	2780.1	2733.8	2652.4	2570.5	2489.1	2407.7
17.5°	2810.4	2795.6	2781.3	2853.8	2925.6	2998.1	3070.5	2986.2	2901.9	2817.5	2733.2
20°	2742.1	2730.8	2719.5	2854.4	2988.6	3123.4	3257.6	3220.2	3182.2	3144.8	3107.4
22.5°	2739.1	2790.8	2841.9	2960.1	3077.7	3195.9	3313.5	3378.2	3443.5	3508.3	3573.0
25°	2782.5	2856.7	2930.4	3126.4	3322.4	3519.0	3714.9	3789.2	3862.8	3937.1	4010.7
27.5°	2925.0	3044.4	3163.2	3334.2	3505.3	3676.9	3848.0	4010.1	4172.9	4335.0	4497.1
30°	3049.2	3178.6	3308.1	3511.8	3714.9	3918.7	4121.8	4324.9	4528.0	4731.1	4934.3
32.5°	3121.0	3304.0	3486.3	3733.9	3981.0	4228.7	4476.3	4699.1	4921.8	5143.9	5366.6
35°	3422.7	3587.3	3751.2	4025.0	4298.8	4573.2	4846.9	5122.5	5398.1	5673.1	5948.7
37.5°	3665.6	3847.4	4028.5	4327.9	4626.6	4925.9	5225.3	5606.0	5987.3	6368.0	6748.7
40°	3982.8	4141.4	4300.0	4580.3	4860.0	5140.3	5420.7	5903.5	6386.4	6868.6	7351.5
42.5°	4392.0	4542.3	4692.5	4992.5	5292.4	5592.3	5892.2	6426.8	6961.3	7495.2	8029.7
45°	4934.3	5087.5	5240.1	5478.9	5717.6	5956.4	6195.1	6763.5	7331.3	7899.7	8467.5
47.5°	5723.6	5724.2	5724.8	5897.0	6069.2	6242.1	6414.3	6986.8	7558.8	8131.3	8703.2
50°	6315.7	6296.7	6278.3	6367.4	6455.9	6545.0	6634.0	7160.8	7688.2	8215.0	8741.8
52.5°	7163.2	6997.5	6832.4	6885.3	6937.5	6990.4	7042.7	7488.7	7935.3	8381.3	8827.4
55°	7864.0	7696.6	7529.1	7509.5	7489.9	7470.3	7450.7	7861.1	8271.5	8681.9	9092.3
57.5°	8443.7	8217.4	7991.7	7946.6	7902.1	7856.9	7811.8	8244.7	8677.1	9110.1	9542.4
60°	8750.8	8604.7	8458.6	8429.4	8399.8	8370.7	8341.0	8696.1	9051.3	9406.4	9761.6
62.5°	8853.5	8760.3	8667.6	8722.2	8776.9	8832.1	8886.8	9043.0	9198.6	9354.8	9510.4
65°	8684.8	8673.0	8661.1	8773.3	8885.0	8997.2	9109.5	9070.9	9031.7	8993.1	8954.5
67.5°	8017.3	7978.1	7939.5	8185.9	8431.8	8678.3	8924.8	8737.7	8550.0	8362.9	8175.8
70°	6571.7	6543.8	6516.4	6871.6	7226.8	7582.5	7937.7	7710.8	7483.9	7257.1	7030.2
72.5°	4632.0	4679.5	4727.0	5145.7	5563.8	5982.5	6400.6	6172.0	5943.3	5714.7	5486.0
75°	3099.1	3187.5	3276.0	3707.2	4138.4	4570.2	5001.4	4732.9	4464.5	4196.0	3927.6
77.5°	2337.7	2368.5	2399.4	2672.0	2944.6	3217.8	3490.4	3268.9	3046.8	2825.3	2603.1
80°	1832.2	1739.6	1647.5	1737.2	1826.9	1916.6	2006.2	1873.8	1741.4	1609.5	1477.1
82.5°	1094.6	1056.6	1018.6	1067.3	1115.4	1164.1	1212.8	1155.8	1098.2	1041.1	983.5
85°	493.0	531.0	568.4	617.7	666.4	715.7	765.0	685.4	605.8	526.2	446.6
87.5°	55.2	71.3	87.3	108.1	128.9	149.7	170.5	133.0	95.0	57.6	20.2
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: P596773  
 CATALOG NUMBER: MSA-SA4B-827-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: P596773  
 CATALOG NUMBER: MSA-SA4B-827-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
0°	1255.5	1255.5
2.5°	1634.5	1664.7
5°	2143.4	2142.3
7.5°	2344.8	2308.6
10°	2211.1	2177.9
12.5°	2322.8	2237.9
15°	2343.6	2279.4
17.5°	2628.7	2523.5
20°	2972.5	2837.1
22.5°	3387.7	3201.8
25°	3789.8	3568.8
27.5°	4364.7	4231.7
30°	4800.0	4665.2
32.5°	5275.2	5183.7
35°	5857.8	5766.3
37.5°	6772.4	6795.6
40°	7365.7	7380.0
42.5°	8085.0	8140.2
45°	8529.2	8591.0
47.5°	8789.4	8875.5
50°	8880.8	9019.8
52.5°	8999.0	9170.1
55°	9282.9	9473.6
57.5°	9694.5	9846.5
60°	9768.7	9775.9
62.5°	9400.5	9290.6
65°	8837.5	8720.5
67.5°	8105.2	8033.9
70°	6936.3	6842.5
72.5°	5311.4	5136.8
75°	3711.4	3495.2
77.5°	2489.7	2376.3
80°	1480.6	1483.6
82.5°	1010.8	1037.6
85°	441.3	435.3
87.5°	14.3	7.7
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: P596773  
CATALOG NUMBER: MSA-SA4B-827-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)