

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: P367513

Luminaire Tested: **MSA-SA2C-830-U-SLR-HSS**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P367513
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-25)
Test Lab: INNOVATION CENTER
Issue Date: 12/2/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: MSA-SA2C-830-U-SLR-HSS
Description: MESA POST TOP DECORATIVE LUMINAIRE. (2) 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: 7151 lumens
Efficiency: N/A
Efficacy: 63.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

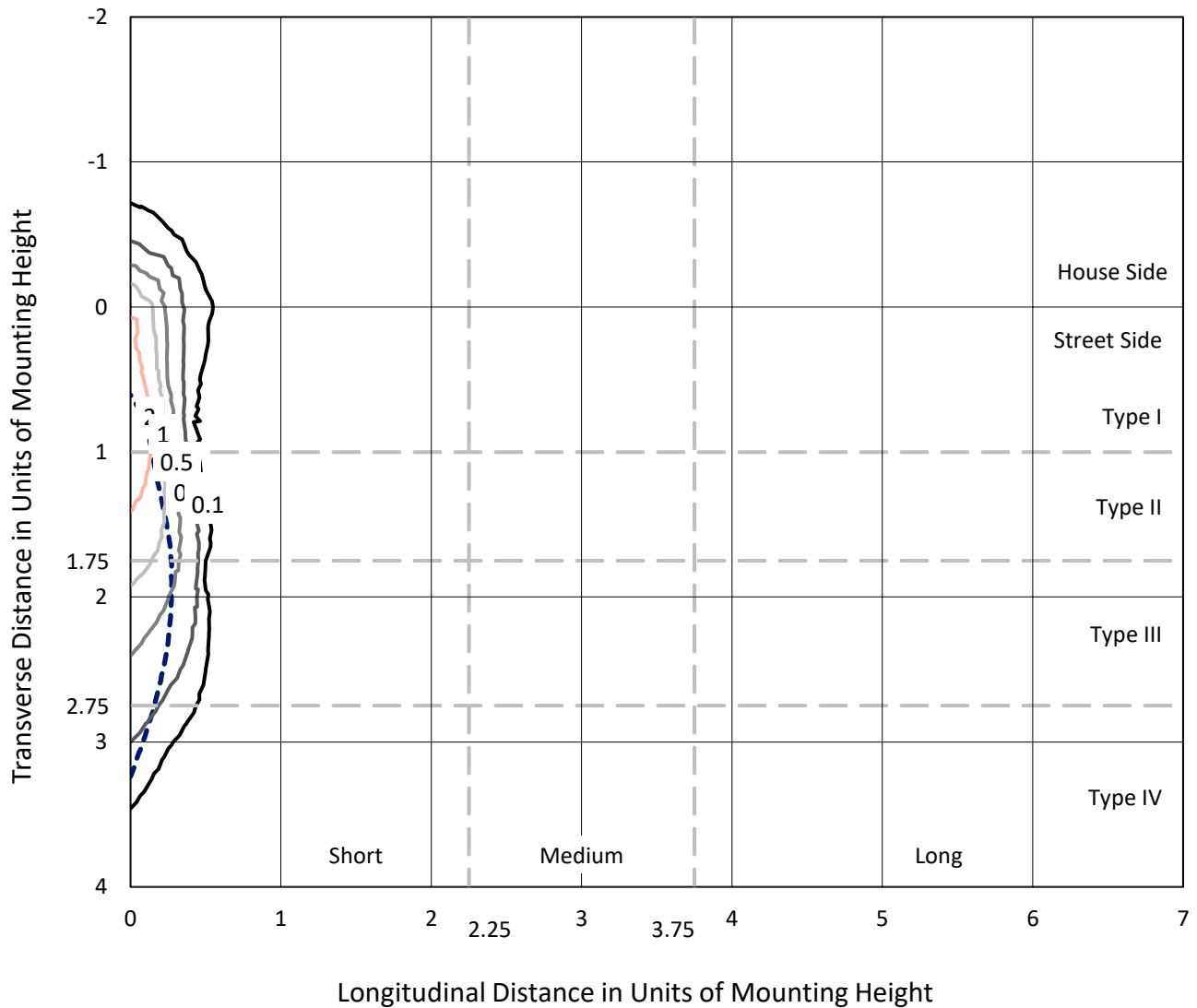
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

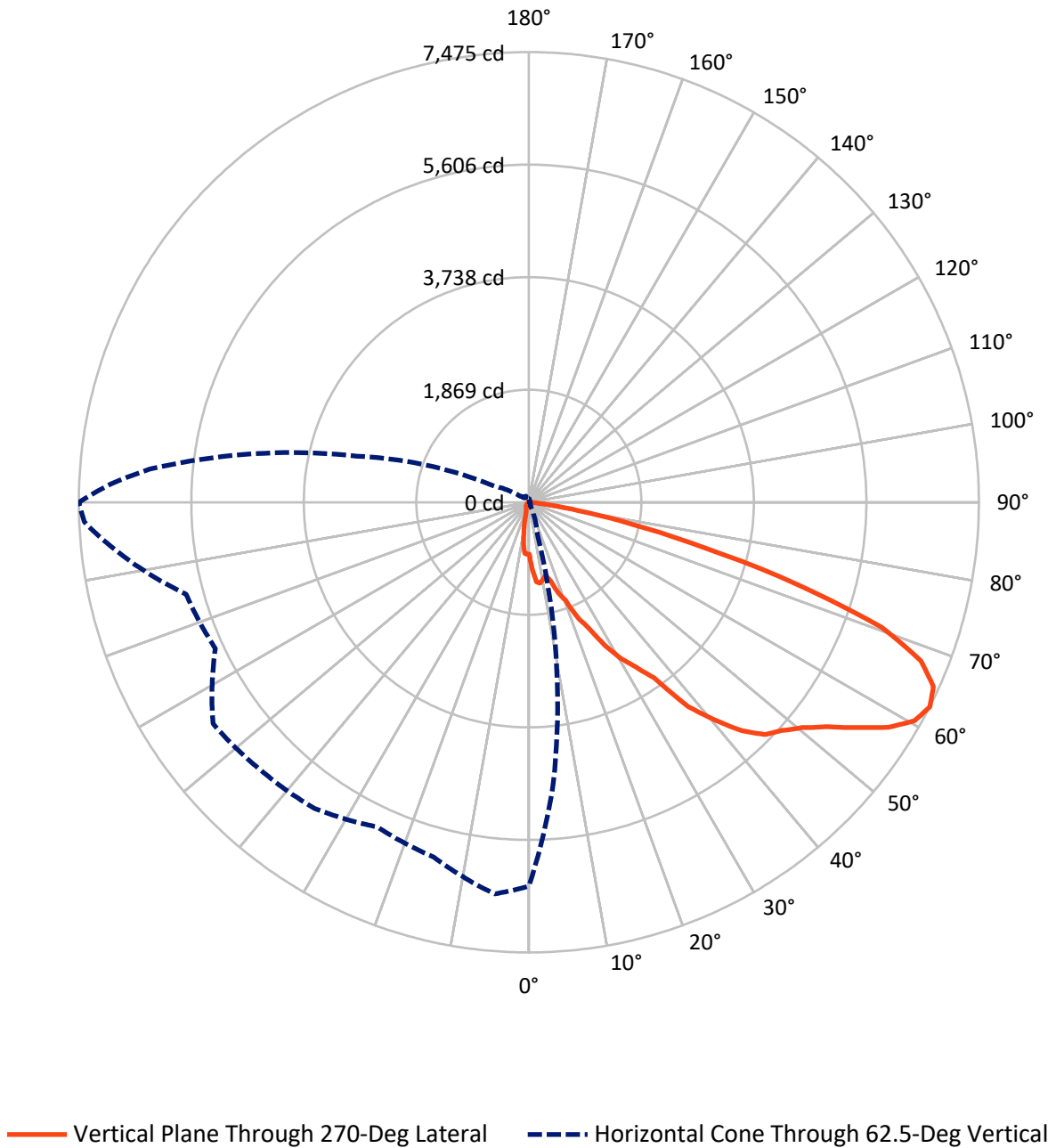
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1194.1	0.0	1194.1
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	5956.9	0.0	5956.9
	% Fixture	83.3	0.0	83.3
Total	Lumens	7151.0	0.0	7151.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.3	1.3
10°-20°	251.5	3.5
20°-30°	406.5	5.7
30°-40°	680.8	9.5
40°-50°	1113.0	15.6
50°-60°	1647.6	23.0
60°-70°	1891.5	26.5
70°-80°	935.2	13.1
80°-90°	128.5	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°	7151.0	100.0
0°-180°	7151.0	100.0

Coefficient of Utilization

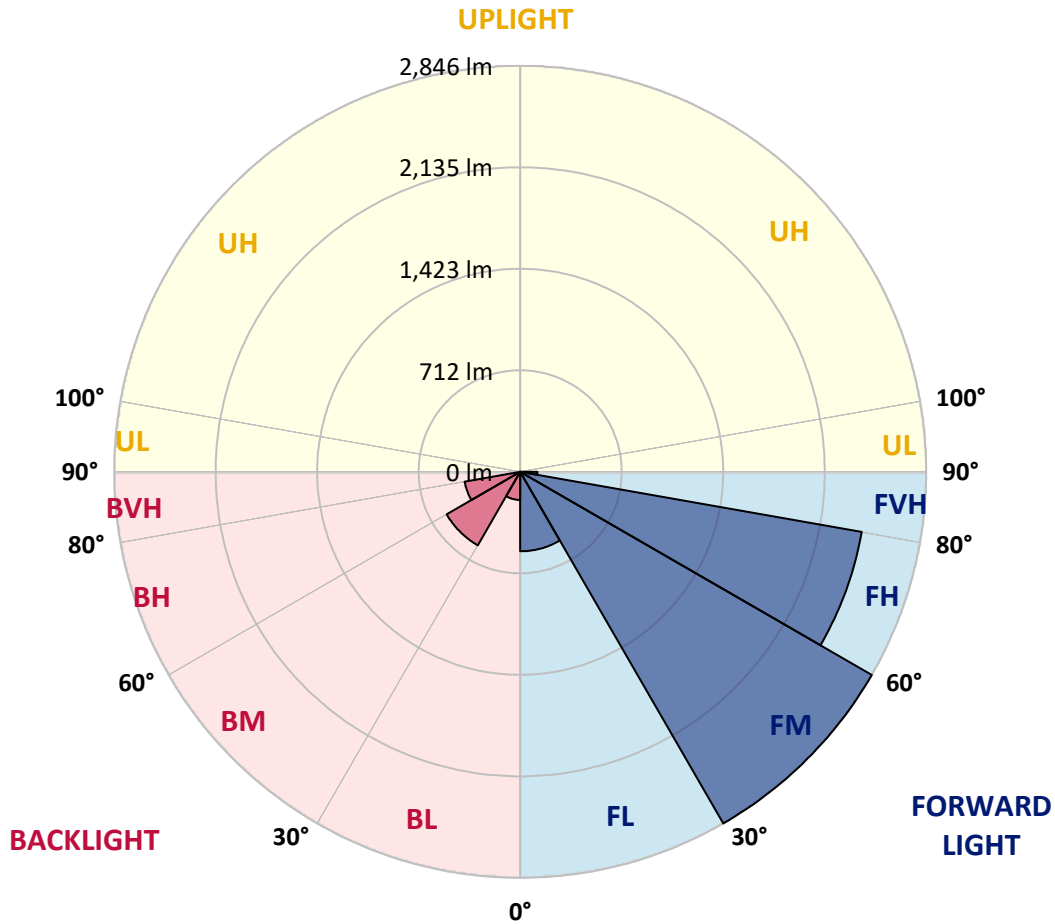


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	557.1	7.8			
FM (30°-60°)	2846.5	39.8			
FH (60°-80°)	2431.7	34.0			G2/5000
FVH (80°-90°)	121.6	1.7			G2/225
BL (0°-30°)	197.2	2.8	B1/500		
BM (30°-60°)	595.0	8.3	B1/1000		
BH (60°-80°)	395.1	5.5	B1/500		G1/500
BVH (80°-90°)	6.8	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





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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	861.7	861.7	861.7	861.7	861.7	861.7	861.7	861.7	861.7	861.7	861.7
2.5°	1142.6	1156.9	1170.7	1144.2	1117.7	1091.2	1064.7	1041.1	1017.4	993.4	969.8
5°	1470.3	1444.2	1418.1	1382.3	1346.4	1310.5	1274.7	1257.9	1241.2	1224.5	1207.8
7.5°	1584.5	1538.0	1491.1	1459.3	1427.9	1396.1	1364.3	1314.2	1263.7	1213.5	1163.0
10°	1494.8	1445.5	1395.7	1368.0	1340.3	1312.6	1284.8	1222.5	1159.7	1097.3	1034.6
12.5°	1535.9	1482.5	1429.1	1372.1	1315.0	1257.9	1200.9	1153.2	1105.1	1057.4	1009.3
15°	1564.5	1503.3	1441.8	1376.6	1311.3	1246.1	1180.9	1124.7	1068.8	1012.6	956.3
17.5°	1732.0	1644.4	1556.7	1456.5	1356.2	1255.9	1155.6	1090.4	1025.6	960.4	895.2
20°	1947.2	1822.9	1698.2	1562.4	1426.7	1291.0	1155.2	1074.1	993.0	911.9	830.7
22.5°	2197.5	2042.2	1886.5	1719.0	1551.8	1384.3	1216.8	1100.2	983.6	867.0	750.4
25°	2449.4	2309.2	2169.0	1943.6	1718.2	1492.3	1266.9	1118.9	970.6	822.6	674.2
27.5°	2904.4	2653.7	2403.0	2116.0	1829.4	1542.5	1255.5	1085.9	916.4	746.4	576.8
30°	3201.9	3009.1	2815.9	2436.8	2058.1	1679.0	1299.9	1085.1	870.3	655.1	440.2
32.5°	3557.8	3275.7	2993.2	2581.9	2170.6	1759.3	1348.0	1095.7	843.0	590.7	337.9
35°	3957.7	3650.7	3343.8	2822.8	2301.9	1780.5	1259.6	1015.0	770.4	525.8	281.3
37.5°	4664.1	4150.5	3636.9	3029.5	2421.7	1814.4	1206.6	962.4	717.8	473.7	229.1
40°	5065.2	4574.8	4084.4	3325.4	2566.4	1807.4	1048.4	831.6	615.1	398.3	181.4
42.5°	5587.0	4964.9	4342.5	3494.2	2645.9	1797.6	949.4	748.8	548.3	347.3	146.7
45°	5896.4	5191.6	4486.8	3567.6	2648.4	1729.2	810.0	636.3	462.7	289.0	115.4
47.5°	6091.6	5384.8	4678.0	3691.1	2704.6	1717.8	730.9	571.1	411.3	251.5	91.7
50°	6190.7	5481.8	4772.5	3758.3	2744.2	1729.6	715.4	556.4	397.0	238.1	78.7
52.5°	6293.8	5610.2	4926.2	3874.9	2823.7	1772.4	721.1	558.9	397.0	234.8	72.6
55°	6502.1	5827.9	5153.3	4042.1	2930.9	1819.7	708.5	548.7	388.9	228.7	68.9
57.5°	6758.1	6037.4	5316.3	4164.3	3012.4	1860.4	708.5	547.9	387.2	226.2	65.6
60°	6709.6	5927.3	5144.7	4027.0	2909.3	1791.1	673.4	520.5	368.1	215.2	62.4
62.5°	6376.6	5527.5	4678.0	3645.0	2611.7	1578.7	545.4	423.5	301.6	179.4	57.5
65°	5985.2	5084.0	4182.3	3231.7	2280.7	1330.1	379.1	297.6	215.6	134.1	52.2
67.5°	5514.0	4552.8	3591.6	2746.2	1901.2	1055.8	210.3	169.6	128.8	87.6	46.9
70°	4696.3	3704.1	2711.6	2061.8	1412.4	762.7	112.9	95.4	77.9	60.3	42.8
72.5°	3525.6	2616.6	1707.6	1297.1	887.0	476.5	66.0	59.5	52.6	46.1	39.1
75°	2398.9	1717.8	1036.6	789.2	542.1	294.7	47.3	44.0	40.4	37.1	33.4
77.5°	1630.9	1179.7	728.4	556.0	383.6	211.2	38.7	36.7	34.6	32.2	30.2
80°	1018.3	697.0	375.8	289.4	202.6	116.2	29.3	28.1	26.9	25.3	24.1
82.5°	712.1	426.0	139.8	109.2	78.7	47.7	17.1	17.5	17.9	17.9	18.3
85°	298.8	161.4	24.1	20.4	16.7	13.0	9.4	10.2	11.4	12.2	13.0
87.5°	5.3	2.9	0.0	0.8	2.0	2.9	3.7	4.9	5.7	6.9	7.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	861.7	861.7	861.7	861.7	861.7	861.7	861.7	861.7	861.7	861.7	861.7
2.5°	975.9	982.0	987.7	993.8	988.9	984.4	979.5	974.6	967.3	960.4	953.0
5°	1187.4	1167.0	1146.7	1126.3	1095.3	1064.3	1032.9	1002.0	998.3	994.6	990.5
7.5°	1115.3	1067.6	1019.5	971.8	926.9	882.1	837.3	792.4	778.6	765.1	751.3
10°	997.9	961.2	924.1	887.4	855.2	822.6	790.4	757.8	724.0	690.1	655.9
12.5°	971.0	932.7	893.9	855.6	826.3	796.9	767.6	738.2	700.3	662.4	624.5
15°	914.7	873.1	831.6	790.0	750.9	711.7	672.2	633.0	587.4	541.7	496.1
17.5°	845.8	796.9	747.6	698.3	646.9	595.5	544.2	492.8	440.2	388.1	335.5
20°	763.9	697.0	629.8	562.9	499.3	435.8	371.8	308.2	275.1	242.5	209.5
22.5°	664.0	577.2	490.8	404.0	351.8	299.2	247.0	194.4	180.2	165.9	151.6
25°	576.0	477.7	379.5	281.3	248.2	215.2	182.2	149.2	142.7	135.7	129.2
27.5°	484.3	392.1	299.6	207.1	188.3	169.2	150.4	131.3	126.8	122.7	118.2
30°	371.4	302.5	233.2	164.3	152.0	139.8	127.2	115.0	112.9	110.5	108.4
32.5°	287.8	237.2	187.1	136.6	129.6	122.7	115.8	108.8	105.6	102.3	98.6
35°	240.5	200.1	159.4	118.6	113.7	108.4	103.5	98.2	95.0	91.3	88.0
37.5°	199.3	170.0	140.2	110.5	105.2	99.9	94.2	88.9	86.4	84.0	81.5
40°	164.3	147.2	130.0	112.9	105.2	97.4	89.7	81.9	79.9	77.9	75.8
42.5°	135.7	124.7	113.3	102.3	96.6	91.3	85.6	79.9	77.0	73.8	70.9
45°	109.7	103.5	97.8	91.7	92.1	92.5	92.5	92.9	85.6	77.9	70.5
47.5°	88.9	86.0	82.7	79.9	83.2	86.4	89.3	92.5	84.8	77.0	68.9
50°	76.2	74.2	71.7	69.3	72.6	76.2	79.5	82.7	79.5	76.6	73.4
52.5°	69.7	66.9	64.0	61.1	62.4	64.0	65.2	66.4	66.4	66.4	66.4
55°	65.6	62.8	59.5	56.3	55.0	53.4	52.2	50.5	48.5	46.9	44.8
57.5°	62.4	59.1	55.4	52.2	50.1	47.7	45.7	43.2	41.2	38.7	36.7
60°	59.1	55.8	52.2	48.9	46.9	44.8	42.4	40.4	37.9	35.9	33.4
62.5°	54.6	51.8	48.9	46.1	44.0	42.4	40.4	38.3	35.9	33.4	30.6
65°	49.7	47.7	45.2	42.8	40.8	38.7	36.7	34.6	32.2	30.2	27.7
67.5°	45.2	43.2	41.6	39.5	37.1	35.1	32.6	30.2	28.5	26.9	24.9
70°	41.6	39.9	38.7	37.1	34.6	32.6	30.2	27.7	26.5	24.9	23.6
72.5°	37.9	36.7	35.1	33.8	31.8	29.8	27.7	25.7	24.5	23.2	22.0
75°	32.6	31.8	31.0	30.2	28.1	26.1	23.6	21.6	21.2	20.8	20.4
77.5°	29.3	28.9	28.1	27.3	25.3	23.2	21.2	19.2	19.6	20.0	20.0
80°	24.1	24.1	23.6	23.6	22.0	20.4	18.3	16.7	17.5	18.8	19.6
82.5°	18.3	18.3	18.3	18.3	16.7	15.1	13.5	11.8	13.0	13.9	15.1
85°	12.6	12.2	11.8	11.4	10.2	9.4	8.2	6.9	8.6	9.8	11.4
87.5°	7.7	8.2	8.2	8.2	7.3	6.1	5.3	4.1	4.9	5.3	6.1
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



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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: P367513
 CATALOG NUMBER: MSA-SA2C-830-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	861.7	861.7	861.7	861.7	861.7	861.7	861.7	861.7	861.7	861.7	861.7
2.5°	945.7	933.5	921.2	908.6	896.4	867.8	839.3	810.8	782.2	803.4	824.2
5°	986.9	963.2	939.2	915.5	891.5	880.9	870.7	860.1	849.5	851.1	853.2
7.5°	737.4	721.9	706.4	690.5	675.0	671.8	668.9	665.7	662.4	669.3	675.8
10°	622.0	600.4	578.4	556.8	534.8	523.0	511.2	499.3	487.5	486.3	484.7
12.5°	586.6	553.6	521.0	487.9	454.9	429.2	403.6	377.9	352.2	354.2	356.3
15°	450.4	417.4	384.8	351.8	318.8	298.0	276.8	256.0	234.8	228.7	222.6
17.5°	282.9	258.4	234.0	209.1	184.7	177.7	171.2	164.3	157.3	155.3	153.3
20°	176.5	165.9	155.3	144.3	133.7	132.1	130.4	128.8	127.2	128.4	129.6
22.5°	137.4	132.9	128.0	123.5	118.6	117.0	115.4	113.7	112.1	113.3	114.1
25°	122.3	119.0	115.8	112.5	109.2	107.6	105.6	103.9	101.9	102.7	103.9
27.5°	113.7	110.9	108.0	105.2	102.3	99.5	97.0	94.2	91.3	92.9	94.2
30°	106.0	102.7	99.9	96.6	93.3	90.5	87.6	84.4	81.5	83.2	84.8
32.5°	95.4	92.5	89.3	86.4	83.2	81.5	79.9	77.9	76.2	77.4	78.3
35°	84.4	81.9	79.9	77.4	75.0	73.4	72.2	70.5	68.9	69.3	70.1
37.5°	79.1	76.2	73.4	70.5	67.7	66.9	66.0	64.8	64.0	64.0	64.0
40°	73.8	70.9	68.1	64.8	62.0	60.7	59.5	58.3	57.1	57.1	57.1
42.5°	67.7	64.8	62.0	59.1	56.3	55.0	53.4	52.2	50.5	50.5	50.5
45°	62.8	59.9	57.5	54.6	51.8	49.7	47.7	45.2	43.2	42.8	42.4
47.5°	61.1	57.1	53.0	48.9	44.8	42.8	40.8	38.3	36.3	35.9	35.5
50°	70.1	62.0	53.8	45.7	37.5	35.9	34.2	32.6	31.0	30.2	29.8
52.5°	66.4	57.9	49.3	40.8	32.2	31.0	29.8	28.5	27.3	26.5	25.7
55°	42.8	39.1	35.9	32.2	28.5	27.7	26.9	25.7	24.9	24.1	23.2
57.5°	34.2	32.2	30.6	28.5	26.5	25.7	24.9	23.6	22.8	21.6	20.8
60°	31.0	29.3	27.7	26.1	24.5	23.6	22.8	22.0	21.2	20.0	19.2
62.5°	28.1	26.9	25.7	24.5	23.2	22.4	21.6	20.8	20.0	18.8	17.5
65°	25.3	24.5	23.6	22.8	22.0	21.2	20.4	19.2	18.3	17.1	15.9
67.5°	23.2	22.8	22.4	22.0	21.6	20.8	19.6	18.8	17.5	16.3	14.7
70°	22.0	22.0	22.0	21.6	21.6	20.8	19.6	18.8	17.5	15.9	14.7
72.5°	20.8	21.2	21.6	21.6	22.0	20.8	19.6	18.3	17.1	15.5	14.3
75°	20.0	20.4	20.8	20.8	21.2	20.4	19.6	18.3	17.5	15.9	14.3
77.5°	20.4	20.8	20.8	21.2	21.2	20.4	19.6	18.3	17.5	15.5	13.5
80°	20.4	20.0	19.6	18.8	18.3	16.7	15.1	13.0	11.4	9.0	6.9
82.5°	15.9	15.1	14.7	13.9	13.0	11.4	9.8	8.2	6.5	4.9	3.3
85°	12.6	11.8	11.4	10.6	9.8	8.6	6.9	5.7	4.1	3.3	2.0
87.5°	6.5	6.1	5.3	4.9	4.1	3.3	2.0	1.2	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: P367513
 CATALOG NUMBER: MSA-SA2C-830-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: P367513
 CATALOG NUMBER: MSA-SA2C-830-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	861.7	861.7	861.7	861.7	861.7	861.7	861.7	861.7	861.7	861.7	861.7
2.5°	845.4	866.2	863.4	860.5	874.0	887.4	877.6	868.3	858.5	848.7	828.3
5°	854.8	856.4	853.6	850.3	850.7	851.1	844.6	838.1	831.6	825.0	823.8
7.5°	682.8	689.3	698.3	706.8	707.2	707.2	702.3	697.5	692.2	687.3	689.7
10°	483.4	481.8	484.3	486.7	486.3	485.5	498.5	511.6	524.2	537.3	527.9
12.5°	357.9	359.9	349.7	339.6	343.2	346.5	348.5	350.6	352.6	354.6	360.3
15°	216.5	210.3	203.0	195.7	199.3	202.6	206.3	209.5	213.2	216.5	220.1
17.5°	150.8	148.8	145.5	141.9	142.3	142.7	143.1	143.5	143.5	143.9	144.7
20°	130.8	132.1	129.6	126.8	126.0	124.7	123.9	123.1	121.9	121.1	119.8
22.5°	115.4	116.2	116.6	116.6	115.0	112.9	111.3	110.1	108.4	106.8	106.0
25°	104.8	105.6	104.8	103.5	102.7	101.9	101.1	99.9	99.1	97.8	97.4
27.5°	95.8	97.0	97.0	96.6	95.8	94.6	92.5	90.9	88.9	86.8	87.2
30°	86.4	88.0	88.0	87.6	87.2	86.8	84.8	82.7	80.7	78.7	79.5
32.5°	79.5	80.3	79.9	79.5	79.5	79.1	77.4	76.2	74.6	73.0	73.0
35°	70.5	70.9	70.9	70.9	70.9	70.5	69.3	68.1	66.9	65.6	66.0
37.5°	64.0	64.0	65.2	66.0	65.2	64.4	63.6	62.4	61.6	60.3	60.3
40°	56.7	56.7	57.9	58.7	57.9	57.1	56.7	55.8	55.4	54.6	54.6
42.5°	50.1	50.1	51.4	52.2	52.2	51.8	51.0	50.1	49.3	48.5	48.9
45°	42.0	41.6	43.6	45.2	44.4	43.6	43.6	43.2	43.2	42.8	43.2
47.5°	34.6	34.2	35.9	37.5	37.1	36.3	36.3	36.3	36.3	36.3	36.7
50°	28.9	28.1	29.8	31.0	30.6	29.8	29.8	30.2	30.2	30.2	30.6
52.5°	24.9	24.1	25.3	26.1	25.7	25.3	25.3	25.7	25.7	25.7	26.1
55°	22.0	21.2	22.4	23.2	22.8	22.0	22.4	22.4	22.8	22.8	22.8
57.5°	19.6	18.3	19.2	20.0	20.0	19.6	20.0	20.0	20.4	20.4	20.4
60°	17.9	16.7	17.5	17.9	17.9	17.5	17.9	17.9	18.3	18.3	18.3
62.5°	15.9	14.7	15.5	15.9	15.9	15.5	15.9	15.9	16.3	16.3	16.3
65°	14.3	13.0	13.5	13.9	13.9	13.9	14.3	14.3	14.7	14.7	14.7
67.5°	13.5	11.8	12.2	12.6	12.6	12.6	13.0	13.0	13.5	13.5	13.9
70°	13.0	11.4	11.8	11.8	12.2	12.2	12.2	12.6	12.6	12.6	12.6
72.5°	12.6	11.0	11.0	11.0	11.4	11.4	11.4	11.8	11.8	11.8	11.8
75°	12.6	11.0	10.6	10.2	10.6	10.6	10.6	11.0	11.0	11.0	11.0
77.5°	11.0	9.0	8.2	6.9	8.2	9.0	9.4	9.4	9.8	9.8	9.8
80°	4.5	2.0	1.2	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.9
82.5°	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.2	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: P367513
 CATALOG NUMBER: MSA-SA2C-830-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: P367513
 CATALOG NUMBER: MSA-SA2C-830-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	861.7	861.7	861.7	861.7	861.7	861.7	861.7	861.7	861.7	861.7	861.7
2.5°	807.9	787.5	767.2	776.9	786.7	796.5	806.3	805.5	804.3	803.4	802.2
5°	823.0	821.8	820.6	814.9	809.6	803.8	798.1	796.9	795.3	794.1	792.4
7.5°	692.2	694.2	696.6	690.1	683.6	677.1	670.6	653.8	637.1	620.0	603.3
10°	518.5	508.7	499.3	498.5	497.7	496.9	496.1	494.5	492.8	490.8	489.2
12.5°	366.5	372.2	377.9	375.8	373.8	371.4	369.3	372.2	375.4	378.3	381.1
15°	223.4	227.0	230.3	237.6	245.0	252.3	259.7	262.5	265.8	268.6	271.5
17.5°	145.5	145.9	146.7	154.9	162.6	170.8	178.5	183.8	189.1	194.0	199.3
20°	118.6	117.4	116.2	120.7	125.1	129.6	134.1	139.0	143.9	148.8	153.7
22.5°	105.6	104.8	103.9	105.6	107.2	108.4	110.1	113.7	117.8	121.5	125.1
25°	97.0	96.2	95.8	96.6	97.4	98.2	99.1	101.1	103.1	105.2	107.2
27.5°	87.2	87.6	87.6	88.5	88.9	89.7	90.1	90.9	92.1	92.9	93.8
30°	79.9	80.7	81.1	81.9	82.3	83.2	83.6	83.2	82.7	82.3	81.9
32.5°	73.0	72.6	72.6	73.4	73.8	74.6	75.0	75.8	76.6	77.0	77.9
35°	66.0	66.4	66.4	66.4	66.9	66.9	66.9	67.7	68.9	69.7	70.5
37.5°	59.9	59.9	59.5	60.7	61.6	62.8	63.6	64.4	65.6	66.4	67.3
40°	54.6	54.6	54.6	55.4	56.3	56.7	57.5	59.5	61.6	63.6	65.6
42.5°	48.9	49.3	49.3	50.1	51.0	51.4	52.2	53.8	55.0	56.7	57.9
45°	43.6	44.0	44.4	45.2	45.7	46.5	46.9	47.7	48.1	48.9	49.3
47.5°	37.5	37.9	38.3	39.1	39.5	40.4	40.8	40.4	40.4	39.9	39.5
50°	31.4	31.8	32.2	33.4	34.2	35.5	36.3	35.5	34.6	33.4	32.6
52.5°	26.5	26.5	26.9	27.7	28.5	28.9	29.8	29.3	28.9	28.5	28.1
55°	22.8	22.8	22.8	23.2	23.6	24.1	24.5	24.9	24.9	25.3	25.3
57.5°	20.4	20.0	20.0	20.4	20.8	20.8	21.2	21.6	21.6	22.0	22.0
60°	18.3	17.9	17.9	18.3	18.8	19.2	19.6	19.6	19.6	19.2	19.2
62.5°	16.3	16.3	16.3	16.7	16.7	17.1	17.1	17.1	17.5	17.5	17.5
65°	15.1	15.1	15.1	15.1	15.1	14.7	14.7	15.1	15.1	15.5	15.5
67.5°	13.9	14.3	14.3	13.9	13.5	13.0	12.6	13.0	13.0	13.5	13.5
70°	12.6	12.6	12.6	12.2	11.8	11.4	11.0	11.0	11.0	10.6	10.6
72.5°	11.8	11.4	11.4	11.0	10.2	9.8	9.0	8.6	8.6	8.2	7.7
75°	11.0	10.6	10.6	9.8	9.0	8.2	7.3	6.9	6.1	5.7	4.9
77.5°	9.8	9.8	9.8	8.6	7.7	6.5	5.3	4.5	3.7	2.4	1.6
80°	3.3	3.7	4.1	3.7	3.7	3.3	2.9	2.0	1.6	0.8	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: P367513
 CATALOG NUMBER: MSA-SA2C-830-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: P367513
 CATALOG NUMBER: MSA-SA2C-830-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	861.7	861.7	861.7	861.7	861.7	861.7	861.7	861.7	861.7	861.7	861.7
2.5°	806.7	811.2	815.7	820.2	820.6	821.0	821.4	821.8	811.6	801.0	790.8
5°	800.6	809.1	817.3	825.4	821.0	816.5	812.0	807.5	807.1	807.1	806.7
7.5°	604.5	605.3	606.6	607.4	609.0	610.6	611.9	613.5	620.0	626.5	632.6
10°	483.9	478.6	472.9	467.6	463.5	459.0	454.9	450.4	453.7	457.4	460.6
12.5°	376.6	372.2	367.3	362.8	361.2	359.5	357.5	355.9	366.5	377.1	387.2
15°	270.7	269.9	268.6	267.8	273.1	278.4	283.7	289.0	298.0	306.5	315.5
17.5°	201.4	203.4	205.4	207.5	210.7	214.0	216.9	220.1	226.6	233.6	240.1
20°	156.1	159.0	161.4	163.9	163.1	162.2	161.0	160.2	165.5	170.8	175.7
22.5°	127.6	129.6	132.1	134.1	134.5	134.9	135.3	135.7	139.0	141.9	145.1
25°	109.2	111.7	113.7	115.8	116.2	116.6	117.0	117.4	121.5	125.5	129.2
27.5°	96.6	99.1	101.9	104.4	105.2	106.0	106.8	107.6	110.1	112.1	114.5
30°	85.2	88.5	91.7	95.0	96.2	97.4	98.6	99.9	102.3	105.2	107.6
32.5°	79.5	81.5	83.2	84.8	87.6	90.1	92.9	95.4	98.2	101.5	104.4
35°	73.0	75.0	77.4	79.5	81.5	83.6	85.2	87.2	88.9	90.5	91.7
37.5°	68.9	70.9	72.6	74.2	75.0	75.8	76.2	77.0	77.9	78.7	79.1
40°	65.6	65.2	65.2	64.8	65.6	66.9	67.7	68.5	70.9	73.0	75.4
42.5°	57.1	55.8	55.0	53.8	55.8	57.5	59.5	61.1	64.4	67.7	70.9
45°	48.5	47.7	46.5	45.7	48.5	51.4	54.2	57.1	60.7	64.0	67.7
47.5°	39.9	40.4	40.4	40.8	43.6	46.5	48.9	51.8	55.4	59.1	62.8
50°	33.4	34.2	35.1	35.9	38.7	41.2	44.0	46.5	50.5	54.2	58.3
52.5°	29.3	30.6	31.4	32.6	35.1	37.9	40.4	42.8	46.5	50.1	53.8
55°	26.5	28.1	29.3	30.6	32.6	34.6	36.7	38.7	42.4	46.1	49.3
57.5°	23.2	24.5	25.7	26.9	28.9	31.0	32.6	34.6	37.9	41.6	44.8
60°	20.4	21.2	22.4	23.2	24.9	26.9	28.5	30.2	33.4	36.7	39.5
62.5°	17.9	18.8	19.2	19.6	21.2	22.8	24.5	26.1	28.9	32.2	35.1
65°	15.9	16.3	16.3	16.7	17.9	19.6	20.8	22.0	25.3	28.1	31.4
67.5°	13.5	13.9	13.9	13.9	15.1	16.3	17.5	18.8	21.6	24.9	27.7
70°	10.6	11.0	11.0	11.0	12.2	13.9	15.1	16.3	18.8	21.2	23.6
72.5°	8.2	8.2	8.6	8.6	9.8	11.4	12.6	13.9	15.9	17.9	20.0
75°	5.3	5.7	5.7	6.1	7.3	9.0	10.2	11.4	13.5	15.5	17.1
77.5°	2.0	2.9	3.3	3.7	4.9	6.1	7.3	8.6	10.2	12.2	13.9
80°	0.0	0.4	0.4	0.4	1.2	1.6	2.4	2.9	4.1	5.7	6.9
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: P367513
 CATALOG NUMBER: MSA-SA2C-830-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: P367513
 CATALOG NUMBER: MSA-SA2C-830-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	861.7	861.7	861.7	861.7	861.7	861.7	861.7	861.7	861.7	861.7	861.7
2.5°	780.2	802.6	825.0	847.5	869.9	897.6	925.3	929.4	933.5	928.6	924.1
5°	806.3	817.3	827.9	838.9	849.5	881.3	912.7	913.1	913.1	913.5	913.5
7.5°	639.2	648.5	657.9	666.9	676.3	697.0	717.8	725.6	732.9	731.3	729.7
10°	463.9	476.1	487.9	500.2	512.0	531.1	550.3	557.6	564.6	587.0	609.8
12.5°	397.8	409.7	421.5	432.9	444.7	464.3	483.9	498.1	512.0	525.8	539.7
15°	324.1	333.4	343.2	352.6	362.0	370.9	379.9	397.4	414.6	428.4	442.3
17.5°	246.6	250.7	254.4	258.4	262.1	266.2	270.3	277.6	284.5	296.8	308.6
20°	181.0	184.2	187.5	190.4	193.6	197.7	201.8	207.1	212.0	214.8	217.3
22.5°	148.0	152.9	157.8	162.2	167.1	170.0	172.8	174.5	176.1	177.3	178.5
25°	133.3	137.8	141.9	146.3	150.4	151.6	152.9	156.1	159.4	159.4	159.4
27.5°	116.6	122.7	129.2	135.3	141.4	143.1	144.3	145.5	146.3	144.7	142.7
30°	110.1	116.2	122.3	128.0	134.1	136.6	138.6	139.8	141.0	139.0	137.0
32.5°	107.2	112.9	118.2	123.9	129.2	132.5	135.3	138.6	141.4	141.9	142.7
35°	93.3	97.0	101.1	104.8	108.4	110.1	111.7	112.9	113.7	113.7	113.7
37.5°	79.9	84.8	90.1	95.0	99.9	103.5	107.2	107.6	107.6	108.4	109.7
40°	77.4	82.3	87.2	91.7	96.6	100.7	104.4	104.8	105.2	106.0	106.8
42.5°	74.2	79.5	84.8	90.1	95.4	99.5	103.1	103.1	102.7	103.9	104.8
45°	70.9	76.2	81.1	86.4	91.3	96.6	101.5	100.3	98.6	100.7	102.3
47.5°	66.4	72.2	77.9	83.2	88.9	93.8	98.2	97.4	96.2	98.2	100.3
50°	62.0	67.7	73.4	79.1	84.8	90.1	95.0	94.2	93.3	95.8	97.8
52.5°	57.5	63.2	69.3	75.0	80.7	85.2	89.3	88.9	88.5	90.9	93.8
55°	53.0	58.3	64.0	69.3	74.6	79.5	84.0	83.2	82.3	84.4	86.4
57.5°	48.1	53.4	58.3	63.6	68.5	72.6	76.2	75.0	73.8	76.2	78.7
60°	42.8	47.7	52.6	57.1	62.0	65.2	68.1	67.3	66.0	68.5	70.9
62.5°	37.9	42.4	46.9	51.0	55.4	57.9	60.3	59.5	58.7	61.1	64.0
65°	34.2	37.9	41.2	44.8	48.1	50.5	53.0	51.8	50.5	53.4	55.8
67.5°	30.6	33.4	36.7	39.5	42.4	44.4	46.5	45.7	44.4	46.5	48.5
70°	26.1	28.9	31.8	34.2	37.1	39.1	41.2	39.9	38.3	40.4	42.4
72.5°	22.0	24.5	26.9	28.9	31.4	33.0	34.6	33.4	32.2	33.8	35.5
75°	19.2	21.2	23.2	24.9	26.9	27.7	28.5	28.1	27.3	28.9	30.2
77.5°	15.5	17.1	19.2	20.8	22.4	22.4	22.4	22.8	22.8	24.5	26.5
80°	8.2	9.8	11.4	12.6	14.3	14.3	13.9	14.7	15.1	17.1	19.2
82.5°	0.0	1.2	2.4	3.7	4.9	4.5	3.7	4.1	4.1	4.9	5.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8
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: P367513
 CATALOG NUMBER: MSA-SA2C-830-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: P367513
 CATALOG NUMBER: MSA-SA2C-830-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	861.7	861.7	861.7	861.7	861.7	861.7	861.7	861.7	861.7	861.7	861.7
2.5°	919.2	914.3	911.1	908.2	904.9	901.7	905.8	909.8	913.5	917.6	929.8
5°	913.9	913.9	911.1	908.2	905.3	902.5	908.6	914.3	920.4	926.1	925.7
7.5°	727.6	726.0	743.1	759.8	776.9	793.7	798.1	802.6	806.7	811.2	810.0
10°	632.2	654.7	662.0	669.3	676.7	684.0	693.0	701.9	710.9	719.9	723.1
12.5°	553.6	567.4	591.1	614.3	637.9	661.2	673.0	685.2	697.0	708.9	732.1
15°	456.1	470.0	490.4	510.8	531.1	551.5	570.3	589.4	608.2	626.9	655.1
17.5°	320.8	332.6	348.1	363.6	378.7	394.2	423.1	452.1	481.0	509.9	539.7
20°	220.1	222.6	229.9	237.6	245.0	252.3	278.4	304.9	331.0	357.1	396.2
22.5°	179.4	180.6	184.2	187.9	191.2	194.8	208.3	222.2	235.6	249.1	280.9
25°	159.0	159.0	161.4	163.9	166.3	168.8	176.1	183.4	190.4	197.7	218.1
27.5°	141.0	139.0	142.7	146.3	150.0	153.7	159.0	164.7	170.0	175.3	189.1
30°	134.9	132.9	137.4	141.9	146.3	150.8	156.1	161.4	166.3	171.6	181.0
32.5°	143.1	143.5	145.1	146.7	148.0	149.6	152.0	154.9	157.3	159.8	167.9
35°	113.7	113.7	116.6	119.4	121.9	124.7	129.2	133.7	138.2	142.7	151.2
37.5°	110.5	111.3	113.7	116.6	119.0	121.5	127.2	133.3	139.0	144.7	151.6
40°	107.2	108.0	111.3	114.5	117.8	121.1	126.8	132.1	137.8	143.1	149.6
42.5°	106.0	106.8	110.9	115.4	119.4	123.5	128.4	133.3	137.8	142.7	151.6
45°	104.4	106.0	110.9	116.2	121.1	126.0	130.4	134.9	139.4	143.9	154.9
47.5°	101.9	103.9	109.7	115.0	120.7	126.0	134.5	143.5	152.0	160.6	165.9
50°	100.3	102.3	108.4	114.5	120.7	126.8	140.6	154.5	167.9	181.8	178.9
52.5°	96.2	98.6	106.4	114.1	121.9	129.6	141.9	154.1	166.3	178.5	172.8
55°	88.5	90.5	99.5	108.4	117.0	126.0	134.9	143.9	152.5	161.4	154.9
57.5°	80.7	83.2	91.7	100.3	108.4	117.0	121.5	126.0	130.4	134.9	132.5
60°	73.4	75.8	87.2	98.6	110.1	121.5	117.4	113.3	108.8	104.8	107.6
62.5°	66.4	68.9	79.9	90.5	101.5	112.1	106.4	100.7	95.0	89.3	93.8
65°	58.7	61.1	65.2	69.7	73.8	77.9	77.4	76.6	76.2	75.4	80.3
67.5°	50.5	52.6	54.6	57.1	59.1	61.1	62.4	64.0	65.2	66.4	70.5
70°	44.0	46.1	48.5	50.5	53.0	55.0	55.8	56.7	57.1	57.9	61.6
72.5°	36.7	38.3	41.6	44.8	47.7	51.0	51.4	51.4	51.8	51.8	54.6
75°	31.8	33.0	35.5	37.9	39.9	42.4	43.6	44.8	45.7	46.9	48.5
77.5°	28.1	29.8	30.6	31.0	31.8	32.2	33.0	33.8	34.6	35.5	35.9
80°	20.8	22.8	23.6	24.1	24.9	25.3	25.3	24.9	24.9	24.5	24.9
82.5°	6.5	7.3	8.6	9.8	11.0	12.2	12.6	13.0	13.0	13.5	13.0
85°	1.2	1.6	2.4	3.3	3.7	4.5	4.1	3.3	2.9	2.0	1.6
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: P367513
 CATALOG NUMBER: MSA-SA2C-830-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: P367513
 CATALOG NUMBER: MSA-SA2C-830-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	861.7	861.7	861.7	861.7	861.7	861.7	861.7	861.7	861.7	861.7	861.7
2.5°	942.0	953.9	966.1	961.2	956.3	951.4	946.5	947.3	948.6	949.4	950.2
5°	925.3	924.5	924.1	938.0	952.2	966.1	979.9	995.0	1010.5	1025.6	1040.7
7.5°	808.7	807.1	805.9	823.8	841.8	859.7	877.6	898.4	919.6	940.4	961.2
10°	726.4	729.7	732.9	740.3	748.0	755.3	762.7	782.6	802.6	822.2	842.2
12.5°	755.3	778.2	801.4	805.9	810.0	814.4	818.5	821.4	824.2	827.1	829.9
15°	683.6	711.7	739.8	751.7	763.1	774.9	786.3	816.5	846.2	876.4	906.2
17.5°	569.5	598.8	628.6	664.0	699.5	735.0	770.4	803.0	835.6	868.3	900.9
20°	435.8	474.9	514.0	558.9	604.1	648.9	693.8	726.4	758.6	791.2	823.4
22.5°	313.1	344.9	376.6	430.9	484.7	538.9	592.7	649.4	706.4	763.1	819.7
25°	238.5	258.4	278.8	332.2	385.6	438.6	492.0	569.9	647.7	725.6	803.4
27.5°	202.6	216.5	229.9	278.0	326.1	373.8	421.9	514.4	607.0	699.5	792.0
30°	190.8	200.1	209.5	250.3	291.5	332.2	373.0	466.7	560.5	654.2	748.0
32.5°	176.1	183.8	192.0	227.9	263.7	299.2	335.1	426.8	518.5	609.8	701.5
35°	159.4	167.9	176.1	212.0	247.8	283.3	319.2	414.2	509.1	604.1	699.1
37.5°	158.2	165.1	171.6	213.2	255.2	296.8	338.3	433.3	528.3	622.9	717.8
40°	156.5	163.1	169.6	212.0	254.0	296.3	338.3	437.8	537.3	636.7	736.2
42.5°	160.6	169.2	178.1	215.6	253.1	290.2	327.7	432.5	537.3	641.6	746.4
45°	166.3	177.3	188.3	222.6	256.8	291.0	325.3	439.0	552.7	666.1	779.8
47.5°	171.6	176.9	182.2	214.8	247.0	279.6	311.8	428.0	544.2	660.4	776.5
50°	176.5	173.7	170.8	206.7	242.5	278.0	313.9	424.8	535.2	646.1	756.6
52.5°	166.7	161.0	154.9	193.2	231.5	269.4	307.8	419.5	531.1	642.8	754.5
55°	148.4	141.9	135.3	173.2	210.7	248.7	286.2	397.4	508.7	620.0	731.3
57.5°	129.6	127.2	124.3	153.3	182.2	210.7	239.7	363.2	487.1	610.6	734.1
60°	110.5	112.9	115.8	136.6	157.3	177.7	198.5	319.6	440.2	561.3	682.0
62.5°	97.8	102.3	106.4	123.9	141.9	159.4	176.9	291.0	405.2	519.3	633.5
65°	85.6	90.5	95.4	116.2	137.4	158.2	178.9	275.6	372.2	468.8	565.4
67.5°	74.6	78.3	82.3	109.7	137.0	164.3	191.6	270.7	349.3	428.4	507.1
70°	65.2	68.5	72.2	103.9	135.7	167.5	199.3	266.6	334.3	401.5	468.8
72.5°	57.5	60.3	63.2	95.4	127.6	159.8	192.0	251.9	311.4	371.4	430.9
75°	50.1	51.4	53.0	80.3	107.2	134.5	161.4	201.4	241.7	281.7	321.6
77.5°	36.3	36.3	36.7	44.8	52.6	60.7	68.5	93.3	118.2	142.7	167.5
80°	24.9	25.3	25.3	28.5	31.4	34.6	37.5	42.8	47.7	53.0	57.9
82.5°	12.6	11.8	11.4	14.7	17.9	21.2	24.5	25.7	26.5	27.7	28.5
85°	1.2	0.4	0.0	2.0	4.1	6.1	8.2	9.8	11.4	13.0	14.7
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: P367513
 CATALOG NUMBER: MSA-SA2C-830-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: P367513

CATALOG NUMBER: MSA-SA2C-830-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	861.7	861.7	861.7	861.7	861.7	861.7	861.7	861.7	861.7	861.7	861.7
2.5°	946.9	943.7	940.4	937.1	957.1	977.5	997.5	1017.4	1074.1	1111.2	1107.1
5°	1055.4	1070.0	1084.7	1099.4	1123.0	1147.1	1170.7	1194.4	1278.3	1329.7	1337.0
7.5°	984.0	1006.4	1029.3	1051.7	1097.3	1142.6	1188.2	1233.5	1302.4	1355.8	1385.9
10°	867.8	893.5	918.8	944.5	995.8	1047.6	1099.0	1150.3	1227.8	1301.6	1339.5
12.5°	870.3	910.6	951.0	991.4	1036.2	1081.0	1125.5	1170.3	1217.6	1242.5	1295.9
15°	938.0	969.8	1001.5	1033.3	1092.0	1150.7	1209.0	1267.7	1295.9	1355.8	1418.1
17.5°	962.8	1025.2	1087.1	1149.1	1222.5	1295.4	1368.8	1441.8	1494.8	1577.9	1642.3
20°	916.8	1010.1	1103.0	1196.4	1297.1	1397.8	1498.4	1599.1	1657.0	1736.1	1835.6
22.5°	918.8	1017.9	1116.5	1215.6	1354.6	1493.1	1632.1	1770.7	1926.0	2078.5	2127.0
25°	933.1	1062.7	1191.9	1321.5	1482.1	1642.7	1803.4	1964.0	2151.5	2311.7	2376.1
27.5°	938.0	1083.9	1229.4	1375.3	1603.6	1831.9	2060.2	2288.4	2512.2	2693.2	2762.1
30°	926.1	1104.7	1282.8	1460.9	1741.0	2021.0	2301.1	2581.1	2793.5	3004.2	3089.8
32.5°	929.0	1156.4	1383.9	1611.4	1941.1	2271.3	2601.1	2930.9	3066.6	3256.6	3407.4
35°	948.6	1198.0	1447.1	1696.6	2061.4	2426.2	2791.0	3155.9	3378.4	3579.0	3707.0
37.5°	994.2	1270.6	1546.5	1822.9	2271.3	2720.1	3168.5	3616.9	3961.3	4305.8	4364.5
40°	1028.0	1319.9	1611.8	1903.6	2424.2	2944.7	3465.3	3985.8	4375.5	4749.3	4789.2
42.5°	1066.4	1385.9	1705.9	2025.5	2607.6	3189.7	3771.8	4353.9	4805.1	5186.3	5212.8
45°	1108.3	1437.3	1765.9	2094.4	2704.2	3313.6	3923.4	4532.8	5059.9	5502.6	5402.7
47.5°	1128.3	1480.1	1831.9	2183.7	2837.5	3490.9	4144.8	4798.2	5271.1	5661.6	5545.0
50°	1143.8	1530.6	1917.9	2304.7	2990.4	3676.0	4361.6	5047.3	5521.3	5881.7	5699.1
52.5°	1187.4	1619.9	2052.8	2485.3	3214.6	3943.4	4672.7	5401.5	5860.1	6191.1	5935.1
55°	1229.8	1727.9	2226.5	2724.6	3508.9	4293.6	5077.8	5862.1	6318.7	6602.4	6254.7
57.5°	1283.2	1832.7	2381.8	2930.9	3769.8	4608.7	5447.2	6286.1	6732.4	7045.9	6684.7
60°	1269.4	1856.3	2443.7	3030.7	3885.1	4739.5	5593.9	6448.3	6978.6	7363.8	7118.8
62.5°	1215.6	1797.6	2379.3	2961.4	3800.7	4639.6	5478.9	6317.9	6953.3	7475.1	7392.8
65°	1106.7	1647.6	2189.0	2729.9	3531.3	4333.1	5134.5	5935.9	6720.2	7384.2	7413.6
67.5°	963.6	1420.2	1876.3	2332.9	3080.5	3828.0	4575.2	5322.8	6248.6	7023.1	7110.3
70°	812.0	1154.8	1498.0	1840.9	2498.8	3156.7	3814.2	4472.1	5434.5	6213.9	6378.6
72.5°	651.0	871.5	1091.6	1311.8	1786.6	2261.1	2736.0	3210.5	4057.1	4662.1	4949.4
75°	421.9	522.2	622.5	722.7	1039.0	1355.0	1671.3	1987.2	2549.3	2994.9	3319.7
77.5°	187.9	208.3	228.3	248.7	492.8	737.0	981.2	1225.3	1469.5	1738.5	1814.8
80°	67.3	76.2	85.6	94.6	214.4	334.7	454.5	574.4	692.6	831.6	865.4
82.5°	28.1	28.1	27.7	27.3	70.1	112.9	155.7	198.5	229.5	263.7	270.3
85°	11.4	8.6	5.3	2.0	9.0	16.3	23.2	30.2	48.5	44.0	81.5
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: P367513
 CATALOG NUMBER: MSA-SA2C-830-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: P367513

CATALOG NUMBER: MSA-SA2C-830-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	861.7	861.7	861.7	861.7	861.7	861.7	861.7	861.7	861.7	861.7	861.7
2.5°	1091.6	1090.8	1090.0	1089.2	1088.4	1073.7	1059.4	1044.8	1030.5	1048.4	1066.4
5°	1325.2	1346.4	1367.6	1389.2	1410.4	1416.5	1422.6	1428.7	1434.9	1447.9	1460.9
7.5°	1411.2	1447.1	1482.5	1518.4	1553.9	1586.9	1619.5	1652.5	1685.5	1677.4	1669.2
10°	1381.5	1446.3	1511.1	1576.3	1641.1	1655.4	1669.7	1684.3	1698.6	1735.7	1772.8
12.5°	1349.3	1427.1	1505.0	1582.8	1660.7	1703.9	1746.7	1789.9	1833.1	1870.6	1908.1
15°	1502.1	1551.8	1601.6	1651.7	1701.4	1739.4	1776.9	1814.8	1852.3	1878.4	1904.0
17.5°	1703.1	1727.5	1752.0	1776.9	1801.3	1831.1	1860.8	1890.6	1920.3	1935.8	1951.3
20°	1915.5	1926.0	1936.6	1947.2	1957.8	1934.2	1910.6	1886.9	1863.3	1877.9	1892.2
22.5°	2128.6	2132.3	2136.4	2140.1	2143.7	2088.7	2033.7	1978.6	1923.6	1900.4	1877.1
25°	2456.8	2429.9	2403.0	2376.1	2349.2	2283.9	2218.7	2153.5	2088.3	2030.8	1973.3
27.5°	2812.2	2720.9	2630.0	2538.7	2447.8	2382.6	2317.4	2252.2	2186.9	2100.5	2014.1
30°	3170.5	3023.4	2876.6	2729.5	2582.7	2505.3	2427.8	2350.0	2272.5	2186.1	2100.1
32.5°	3499.1	3322.2	3145.3	2968.0	2791.0	2660.6	2530.2	2399.7	2269.3	2208.9	2148.6
35°	3771.4	3562.3	3353.2	3143.6	2934.5	2805.3	2676.1	2546.9	2417.7	2328.0	2238.7
37.5°	4236.9	4001.7	3766.5	3531.3	3296.1	3119.6	2943.5	2767.0	2590.5	2530.6	2470.6
40°	4666.1	4369.8	4073.4	3777.1	3480.7	3332.8	3185.2	3037.2	2889.7	2791.4	2693.6
42.5°	5007.3	4695.1	4383.2	4071.0	3758.8	3612.4	3466.5	3320.1	3173.8	3108.2	3043.0
45°	5081.1	4786.8	4492.9	4198.6	3904.3	3819.1	3734.3	3649.1	3564.3	3519.1	3474.2
47.5°	5226.6	4907.5	4588.7	4269.5	3950.3	3912.0	3873.7	3835.0	3796.7	3818.3	3839.9
50°	5308.2	4982.5	4656.8	4331.1	4005.4	4016.4	4027.0	4038.0	4049.0	4202.3	4355.1
52.5°	5466.3	5137.4	4808.4	4479.4	4150.5	4219.8	4288.7	4358.0	4426.9	4638.0	4848.8
55°	5748.8	5425.6	5102.3	4778.6	4455.4	4546.7	4638.0	4729.7	4821.0	5045.2	5269.0
57.5°	6167.4	5846.6	5526.2	5205.4	4885.0	4975.9	5066.8	5157.7	5248.6	5451.2	5653.4
60°	6694.5	6365.1	6036.2	5706.8	5377.9	5412.1	5445.9	5480.2	5514.4	5732.1	5949.4
62.5°	7105.0	6802.1	6499.7	6196.8	5894.3	5856.4	5818.9	5781.0	5743.5	5909.0	6074.1
65°	7200.4	6987.2	6774.4	6561.2	6348.0	6231.4	6115.3	5998.7	5882.1	5948.9	6015.8
67.5°	6927.3	6783.4	6639.9	6496.0	6352.1	6108.7	5865.4	5621.6	5378.3	5342.8	5307.3
70°	6293.4	6214.7	6136.5	6057.8	5979.5	5604.5	5229.9	4854.9	4480.3	4390.2	4300.1
72.5°	4966.2	5015.1	5064.0	5113.3	5162.2	4760.7	4359.6	3958.1	3556.6	3442.4	3328.7
75°	3501.9	3667.9	3833.8	3999.7	4165.6	3799.5	3433.9	3067.8	2701.8	2592.1	2482.9
77.5°	1898.7	2209.8	2520.8	2831.8	3142.8	2840.8	2539.1	2237.1	1935.0	1858.8	1783.0
80°	900.0	1079.4	1258.4	1437.7	1617.1	1549.0	1480.9	1412.4	1344.4	1361.1	1377.8
82.5°	276.0	405.6	535.2	664.8	794.5	804.7	814.4	824.6	834.8	860.1	885.0
85°	92.5	126.8	161.0	195.3	229.5	289.8	350.2	410.9	471.2	432.1	393.4
87.5°	0.0	1.2	2.0	3.3	4.1	12.6	21.2	29.8	38.3	33.0	28.1
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: P367513
 CATALOG NUMBER: MSA-SA2C-830-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: P367513

CATALOG NUMBER: MSA-SA2C-830-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	861.7	861.7	861.7	861.7	861.7	861.7	861.7	861.7	861.7	861.7	861.7
2.5°	1084.7	1102.6	1103.0	1103.9	1104.3	1104.7	1106.7	1108.8	1111.2	1113.2	1099.8
5°	1474.4	1487.4	1463.4	1439.3	1414.9	1390.8	1412.4	1434.0	1455.6	1477.2	1467.9
7.5°	1660.7	1652.5	1649.7	1647.2	1644.4	1641.9	1650.1	1658.2	1666.4	1674.5	1673.7
10°	1809.9	1847.0	1855.9	1864.9	1874.3	1883.2	1864.5	1845.7	1827.0	1808.2	1800.5
12.5°	1945.6	1983.1	2012.9	2042.6	2072.8	2102.6	2075.7	2049.2	2022.3	1995.8	1970.5
15°	1930.1	1955.8	1980.3	2004.7	2029.2	2053.6	2044.7	2036.1	2027.1	2018.2	2014.1
17.5°	1967.2	1982.7	1977.0	1971.3	1965.2	1959.5	1956.6	1954.2	1951.3	1948.5	1938.7
20°	1906.9	1921.6	1917.9	1914.6	1911.0	1907.3	1904.9	1902.4	1900.0	1897.5	1889.8
22.5°	1853.9	1830.7	1824.6	1818.8	1812.7	1807.0	1807.8	1808.7	1809.1	1809.9	1844.9
25°	1915.9	1858.4	1836.0	1813.5	1790.7	1768.3	1778.5	1788.3	1798.5	1808.7	1859.2
27.5°	1927.3	1840.9	1805.0	1769.1	1733.2	1697.4	1734.1	1770.7	1807.4	1844.1	1926.0
30°	2013.7	1927.7	1877.5	1827.8	1777.7	1727.9	1774.8	1821.7	1868.6	1915.5	2004.3
32.5°	2087.9	2027.5	1991.7	1955.8	1919.9	1884.1	1886.1	1887.7	1889.8	1891.8	2017.0
35°	2149.0	2059.8	2027.1	1994.9	1962.3	1930.1	1978.6	2027.1	2075.7	2124.2	2236.7
37.5°	2410.7	2350.8	2290.9	2231.4	2171.4	2111.9	2150.7	2189.4	2228.5	2267.2	2391.6
40°	2595.4	2497.5	2482.1	2467.0	2451.5	2436.4	2456.4	2475.9	2495.9	2515.9	2624.7
42.5°	2977.3	2911.7	2869.7	2828.1	2786.1	2744.6	2760.5	2776.4	2792.7	2808.6	2911.7
45°	3429.0	3383.7	3356.0	3328.3	3300.2	3272.5	3248.4	3224.8	3200.7	3177.1	3281.8
47.5°	3861.5	3883.1	3944.2	4005.0	4066.1	4126.8	4077.1	4027.4	3977.2	3927.5	3927.9
50°	4508.4	4661.2	4692.2	4722.8	4753.8	4784.3	4678.4	4572.4	4466.0	4360.0	4347.4
52.5°	5059.9	5270.7	5281.7	5292.7	5304.1	5315.1	5272.3	5229.5	5186.3	5143.5	5029.7
55°	5493.2	5717.0	5732.1	5746.8	5761.8	5776.5	5739.0	5701.9	5664.4	5626.9	5512.0
57.5°	5856.0	6058.2	6067.2	6075.7	6084.7	6093.7	6096.5	6099.4	6102.6	6105.5	5950.2
60°	6167.0	6384.7	6366.8	6349.2	6331.3	6313.8	6286.9	6260.0	6233.1	6206.2	6105.9
62.5°	6239.6	6405.1	6377.4	6350.1	6322.3	6295.0	6272.2	6249.8	6227.0	6204.1	6140.1
65°	6082.6	6149.5	6121.0	6092.4	6063.5	6035.0	6020.3	6006.0	5991.3	5976.7	5968.5
67.5°	5271.5	5236.0	5269.8	5303.7	5337.5	5371.3	5417.4	5463.5	5509.9	5556.0	5529.1
70°	4209.6	4119.5	4157.0	4194.1	4231.6	4268.7	4338.4	4408.1	4478.2	4547.9	4529.2
72.5°	3214.6	3100.4	3105.7	3111.0	3116.7	3122.0	3120.0	3118.4	3116.3	3114.3	3146.9
75°	2373.2	2263.6	2211.8	2160.0	2108.3	2056.5	2043.9	2031.2	2018.6	2005.9	2066.7
77.5°	1706.7	1630.9	1595.5	1560.4	1524.9	1489.9	1507.8	1525.8	1544.1	1562.0	1583.2
80°	1394.9	1411.6	1384.3	1357.4	1330.1	1302.8	1323.2	1343.1	1363.5	1383.9	1320.7
82.5°	910.2	935.1	851.1	767.2	683.2	599.2	650.2	701.1	752.5	803.4	777.3
85°	354.2	315.5	269.0	223.0	176.5	130.0	169.2	208.3	247.4	286.6	312.7
87.5°	22.8	17.9	14.3	10.6	6.5	2.9	6.1	9.4	13.0	16.3	27.3
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: P367513
 CATALOG NUMBER: MSA-SA2C-830-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: P367513

CATALOG NUMBER: MSA-SA2C-830-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	861.7	861.7	861.7	861.7	861.7	861.7	861.7	861.7	861.7	861.7	861.7
2.5°	1086.7	1073.3	1060.2	1034.6	1008.9	983.2	957.5	993.4	1029.3	1065.1	1101.0
5°	1458.9	1449.5	1440.6	1443.0	1445.5	1448.3	1450.8	1456.1	1461.4	1466.2	1471.5
7.5°	1673.3	1672.5	1671.7	1652.9	1634.2	1615.0	1596.3	1605.7	1615.0	1624.4	1633.8
10°	1793.2	1785.4	1777.7	1736.5	1695.3	1653.8	1612.6	1594.6	1576.3	1558.4	1540.4
12.5°	1945.2	1919.5	1894.3	1850.2	1806.6	1762.6	1718.6	1702.3	1685.5	1669.2	1652.5
15°	2010.4	2006.4	2002.7	1971.3	1939.5	1908.1	1876.3	1820.5	1764.2	1708.4	1652.5
17.5°	1928.9	1918.7	1908.9	1958.7	2008.0	2057.7	2107.4	2049.6	1991.7	1933.8	1875.9
20°	1882.0	1874.3	1866.5	1959.1	2051.2	2143.7	2235.8	2210.2	2184.1	2158.4	2132.7
22.5°	1880.0	1915.5	1950.5	2031.6	2112.3	2193.5	2274.2	2318.6	2363.4	2407.9	2452.3
25°	1909.7	1960.7	2011.2	2145.8	2280.3	2415.2	2549.7	2600.7	2651.2	2702.2	2752.7
27.5°	2007.6	2089.5	2171.0	2288.4	2405.8	2523.6	2641.0	2752.3	2864.0	2975.3	3086.6
30°	2092.8	2181.6	2270.5	2410.3	2549.7	2689.5	2828.9	2968.4	3107.8	3247.2	3386.6
32.5°	2142.1	2267.6	2392.8	2562.8	2732.3	2902.3	3072.3	3225.2	3378.0	3530.5	3683.3
35°	2349.2	2462.1	2574.6	2762.5	2950.4	3138.7	3326.7	3515.8	3704.9	3893.7	4082.8
37.5°	2515.9	2640.6	2765.0	2970.4	3175.4	3380.9	3586.3	3847.6	4109.3	4370.6	4631.9
40°	2733.6	2842.4	2951.2	3143.6	3335.6	3528.0	3720.4	4051.8	4383.2	4714.2	5045.6
42.5°	3014.4	3117.6	3220.7	3426.5	3632.4	3838.2	4044.1	4411.0	4777.8	5144.3	5511.2
45°	3386.6	3491.8	3596.5	3760.4	3924.3	4088.1	4252.0	4642.1	5031.8	5421.9	5811.6
47.5°	3928.3	3928.7	3929.1	4047.4	4165.6	4284.2	4402.4	4795.4	5187.9	5580.9	5973.4
50°	4334.7	4321.7	4309.1	4370.2	4430.9	4492.1	4553.2	4914.8	5276.8	5638.3	5999.9
52.5°	4916.4	4802.7	4689.4	4725.7	4761.5	4797.8	4833.7	5139.8	5446.3	5752.5	6058.6
55°	5397.4	5282.5	5167.5	5154.1	5140.6	5127.2	5113.7	5395.4	5677.1	5958.7	6240.4
57.5°	5795.3	5640.0	5485.1	5454.1	5423.5	5392.5	5361.6	5658.7	5955.5	6252.6	6549.4
60°	6006.0	5905.7	5805.5	5785.5	5765.1	5745.1	5724.8	5968.5	6212.3	6456.0	6699.8
62.5°	6076.5	6012.5	5948.9	5986.4	6024.0	6061.9	6099.4	6206.6	6313.4	6420.6	6527.4
65°	5960.8	5952.6	5944.5	6021.5	6098.1	6175.2	6252.2	6225.7	6198.8	6172.3	6145.8
67.5°	5502.6	5475.7	5449.2	5618.4	5787.1	5956.3	6125.5	5997.0	5868.2	5739.8	5611.4
70°	4510.4	4491.3	4472.5	4716.3	4960.0	5204.2	5448.0	5292.3	5136.5	4980.8	4825.1
72.5°	3179.1	3211.7	3244.3	3531.7	3818.7	4106.1	4393.0	4236.1	4079.1	3922.2	3765.3
75°	2127.0	2187.7	2248.5	2544.4	2840.4	3136.7	3432.6	3248.4	3064.2	2879.9	2695.7
77.5°	1604.4	1625.6	1646.8	1833.9	2021.0	2208.5	2395.6	2243.6	2091.1	1939.1	1786.6
80°	1257.5	1193.9	1130.8	1192.3	1253.9	1315.4	1377.0	1286.1	1195.2	1104.7	1013.8
82.5°	751.3	725.2	699.1	732.5	765.5	799.0	832.4	793.2	753.7	714.6	675.0
85°	338.3	364.4	390.1	423.9	457.4	491.2	525.0	470.4	415.8	361.2	306.5
87.5°	37.9	48.9	59.9	74.2	88.5	102.7	117.0	91.3	65.2	39.5	13.9
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



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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



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CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	861.7	861.7
2.5°	1121.8	1142.6
5°	1471.1	1470.3
7.5°	1609.3	1584.5
10°	1517.6	1494.8
12.5°	1594.2	1535.9
15°	1608.5	1564.5
17.5°	1804.2	1732.0
20°	2040.2	1947.2
22.5°	2325.1	2197.5
25°	2601.1	2449.4
27.5°	2995.7	2904.4
30°	3294.5	3201.9
32.5°	3620.6	3557.8
35°	4020.5	3957.7
37.5°	4648.2	4664.1
40°	5055.4	5065.2
42.5°	5549.1	5587.0
45°	5854.0	5896.4
47.5°	6032.5	6091.6
50°	6095.3	6190.7
52.5°	6176.4	6293.8
55°	6371.3	6502.1
57.5°	6653.7	6758.1
60°	6704.7	6709.6
62.5°	6452.0	6376.6
65°	6065.5	5985.2
67.5°	5562.9	5514.0
70°	4760.7	4696.3
72.5°	3645.4	3525.6
75°	2547.3	2398.9
77.5°	1708.8	1630.9
80°	1016.2	1018.3
82.5°	693.8	712.1
85°	302.9	298.8
87.5°	9.8	5.3
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: P367513
CATALOG NUMBER: MSA-SA2C-830-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)