

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: P367645

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

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P367645
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-SA2D-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: 7818 lumens
Efficiency: N/A
Efficacy: 60.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

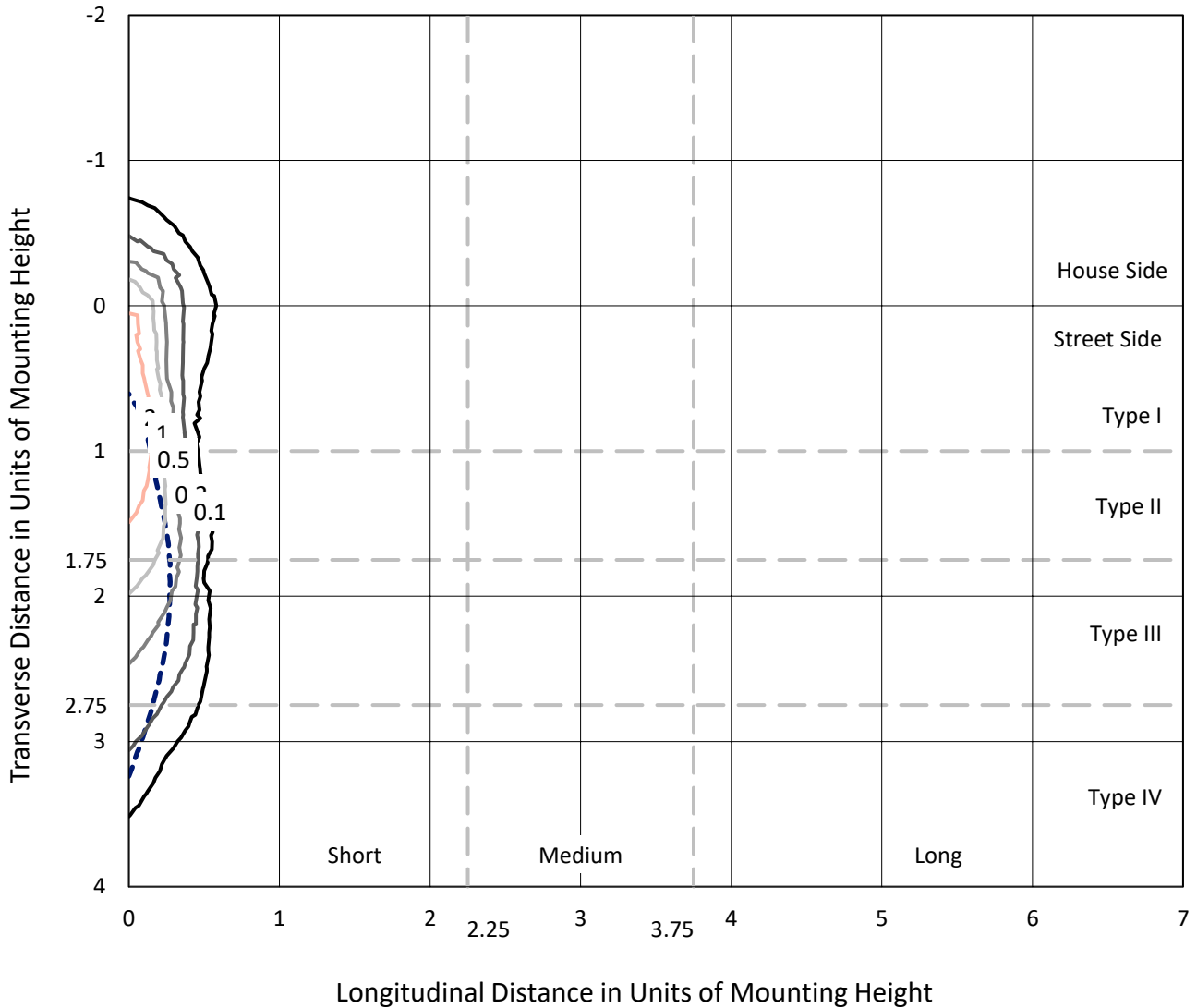
Input Watts (W): 129
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

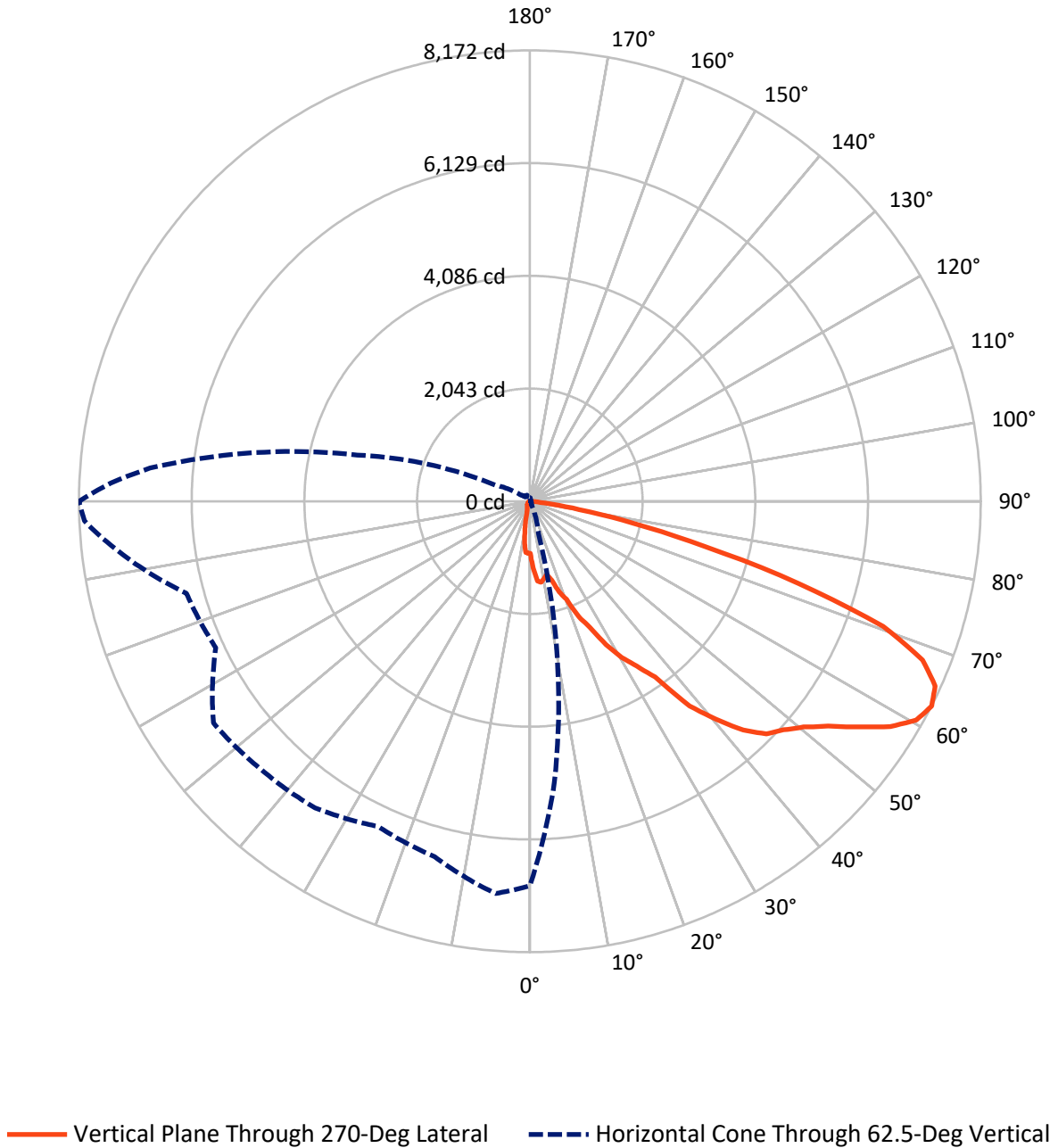
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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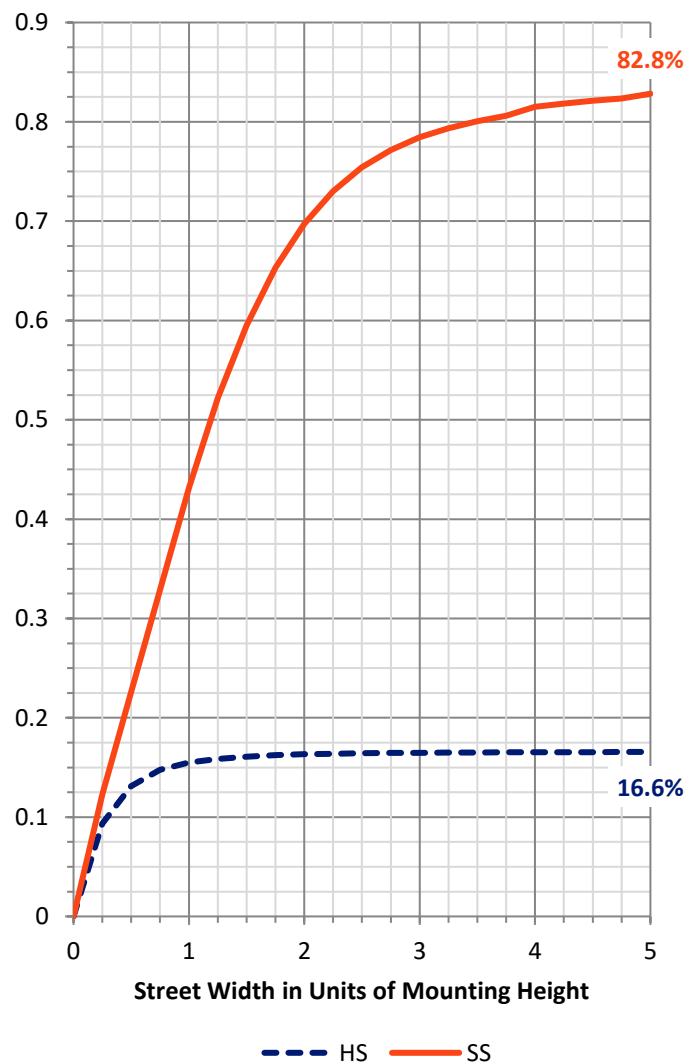
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1305.5	0.0	1305.5
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	6512.5	0.0	6512.5
	% Fixture	83.3	0.0	83.3
Total	Lumens	7818.0	0.0	7818.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.3	1.3
10°-20°	275.0	3.5
20°-30°	444.4	5.7
30°-40°	744.3	9.5
40°-50°	1216.8	15.6
50°-60°	1801.3	23.0
60°-70°	2067.9	26.5
70°-80°	1022.5	13.1
80°-90°	140.4	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°	7818.0	100.0
0°-180°	7818.0	100.0



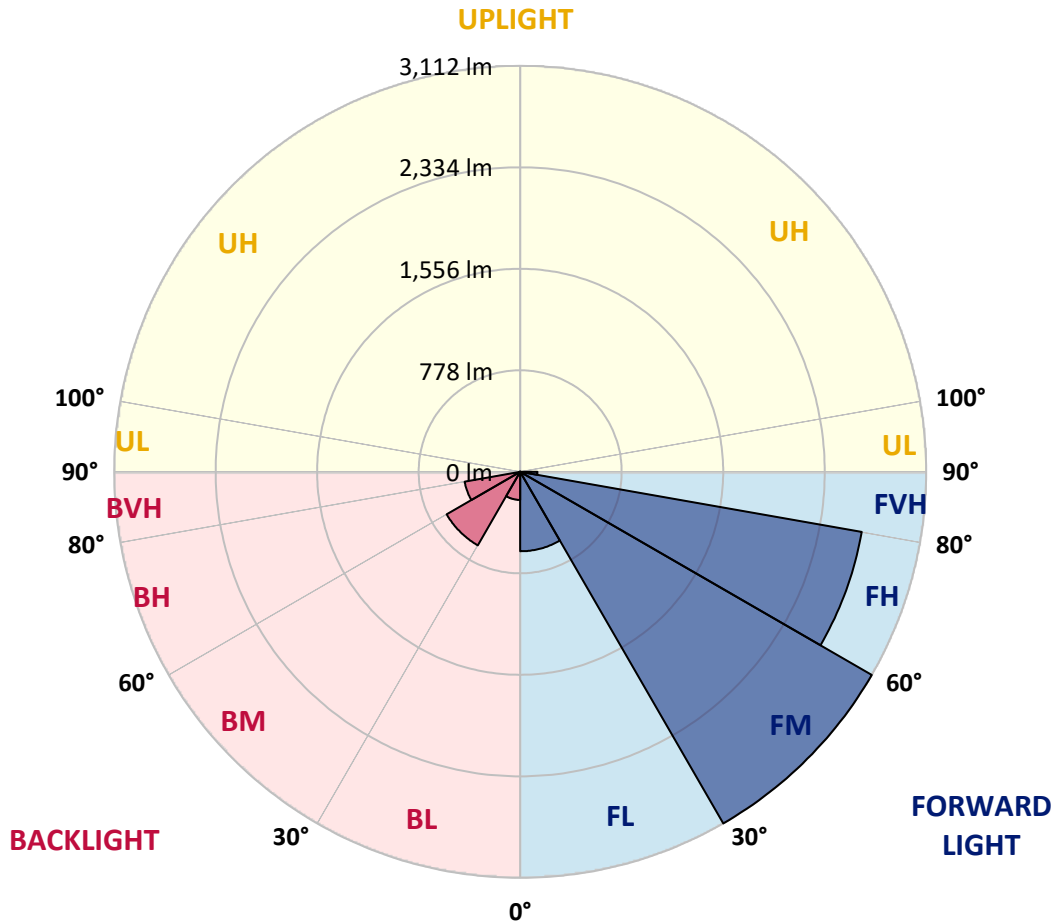
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	609.1	7.8			
FM (30°-60°)	3112.0	39.8			
FH (60°-80°)	2658.5	34.0			G2/5000
FVH (80°-90°)	133.0	1.7			G2/225
BL (0°-30°)	215.6	2.8	B1/500		
BM (30°-60°)	650.5	8.3	B1/1000		
BH (60°-80°)	431.9	5.5	B1/500		G1/500
BVH (80°-90°)	7.5	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	942.1	942.1	942.1	942.1	942.1	942.1	942.1	942.1	942.1	942.1	942.1
2.5°	1249.2	1264.8	1279.9	1250.9	1222.0	1193.0	1164.0	1138.2	1112.3	1086.1	1060.2
5°	1607.5	1578.9	1550.4	1511.2	1472.0	1432.8	1393.5	1375.3	1357.0	1338.7	1320.5
7.5°	1732.2	1681.4	1630.2	1595.4	1561.1	1526.4	1491.6	1436.8	1381.5	1326.7	1271.4
10°	1634.2	1580.3	1525.9	1495.6	1465.3	1435.0	1404.7	1336.5	1267.9	1199.7	1131.1
12.5°	1679.2	1620.8	1562.5	1500.1	1437.7	1375.3	1312.9	1260.7	1208.2	1156.0	1103.4
15°	1710.4	1643.6	1576.3	1505.0	1433.7	1362.4	1291.1	1229.6	1168.5	1107.0	1045.5
17.5°	1893.6	1797.8	1701.9	1592.3	1482.7	1373.0	1263.4	1192.1	1121.3	1050.0	978.6
20°	2128.9	1993.0	1856.6	1708.2	1559.8	1411.4	1263.0	1174.3	1085.6	996.9	908.2
22.5°	2402.5	2232.7	2062.5	1879.3	1696.6	1513.4	1330.3	1202.8	1075.4	947.9	820.4
25°	2677.9	2524.6	2371.3	2124.9	1878.4	1631.5	1385.1	1223.3	1061.1	899.3	737.1
27.5°	3175.3	2901.2	2627.1	2313.4	2000.1	1686.3	1372.6	1187.2	1001.8	816.0	630.6
30°	3500.6	3289.8	3078.6	2664.1	2250.1	1835.6	1421.2	1186.3	951.5	716.2	481.3
32.5°	3889.6	3581.2	3272.4	2822.8	2373.1	1923.4	1473.8	1197.9	921.6	645.7	369.4
35°	4326.8	3991.2	3655.7	3086.1	2516.6	1946.6	1377.1	1109.7	842.3	574.9	307.5
37.5°	5099.1	4537.6	3976.1	3312.1	2647.6	1983.6	1319.1	1052.2	784.8	517.8	250.5
40°	5537.7	5001.5	4465.4	3635.6	2805.8	1976.0	1146.2	909.1	672.5	435.4	198.3
42.5°	6108.1	5428.0	4747.5	3820.1	2892.7	1965.3	1037.9	818.7	599.4	379.7	160.4
45°	6446.3	5675.8	4905.3	3900.3	2895.4	1890.5	885.5	695.7	505.8	316.0	126.1
47.5°	6659.8	5887.0	5114.3	4035.4	2956.9	1878.0	799.1	624.4	449.7	275.0	100.3
50°	6768.1	5993.1	5217.7	4108.9	3000.1	1890.9	782.1	608.3	434.1	260.3	86.0
52.5°	6880.8	6133.5	5385.7	4236.4	3087.0	1937.7	788.4	611.0	434.1	256.7	79.3
55°	7108.6	6371.5	5633.9	4419.1	3204.2	1989.4	774.5	599.8	425.2	250.0	75.3
57.5°	7388.4	6600.5	5812.2	4552.8	3293.4	2033.9	774.5	599.0	423.4	247.3	71.7
60°	7335.4	6480.2	5624.6	4402.6	3180.6	1958.2	736.2	569.1	402.4	235.3	68.2
62.5°	6971.3	6043.0	5114.3	3985.0	2855.3	1726.0	596.3	463.0	329.8	196.1	62.8
65°	6543.5	5558.2	4572.4	3533.1	2493.4	1454.2	414.5	325.3	235.7	146.6	57.0
67.5°	6028.3	4977.5	3926.6	3002.3	2078.5	1154.2	230.0	185.4	140.8	95.8	51.2
70°	5134.3	4049.6	2964.5	2254.1	1544.2	833.8	123.4	104.3	85.1	66.0	46.8
72.5°	3854.4	2860.6	1866.8	1418.1	969.7	521.0	72.2	65.1	57.5	50.4	42.8
75°	2622.7	1878.0	1133.3	862.8	592.7	322.2	51.7	48.1	44.1	40.6	36.5
77.5°	1783.0	1289.7	796.4	607.9	419.4	230.8	42.3	40.1	37.9	35.2	33.0
80°	1113.2	762.1	410.9	316.4	221.5	127.0	32.1	30.7	29.4	27.6	26.3
82.5°	778.6	465.7	152.9	119.4	86.0	52.1	18.7	19.2	19.6	19.6	20.1
85°	326.7	176.5	26.3	22.3	18.3	14.3	10.2	11.1	12.5	13.4	14.3
87.5°	5.8	3.1	0.0	0.9	2.2	3.1	4.0	5.3	6.2	7.6	8.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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°	942.1	942.1	942.1	942.1	942.1	942.1	942.1	942.1	942.1	942.1	942.1
2.5°	1066.9	1073.6	1079.8	1086.5	1081.1	1076.2	1070.9	1065.6	1057.5	1050.0	1041.9
5°	1298.2	1275.9	1253.6	1231.3	1197.5	1163.6	1129.3	1095.4	1091.4	1087.4	1082.9
7.5°	1219.3	1167.2	1114.6	1062.4	1013.4	964.4	915.4	866.3	851.2	836.5	821.3
10°	1091.0	1050.8	1010.3	970.2	935.0	899.3	864.1	828.5	791.5	754.5	717.1
12.5°	1061.5	1019.6	977.3	935.4	903.3	871.2	839.2	807.1	765.6	724.2	682.7
15°	1000.0	954.6	909.1	863.7	820.9	778.1	734.9	692.1	642.2	592.3	542.4
17.5°	924.7	871.2	817.3	763.4	707.2	651.1	594.9	538.8	481.3	424.3	366.8
20°	835.1	762.1	688.5	615.4	545.9	476.4	406.4	336.9	300.8	265.2	229.1
22.5°	726.0	631.0	536.6	441.6	384.6	327.1	270.1	212.6	197.0	181.4	165.8
25°	629.7	522.3	414.9	307.5	271.4	235.3	199.2	163.1	156.0	148.4	141.3
27.5°	529.4	428.7	327.6	226.4	205.9	184.9	164.4	143.5	138.6	134.1	129.2
30°	406.0	330.7	254.9	179.6	166.2	152.9	139.0	125.7	123.4	120.8	118.5
32.5°	314.6	259.4	204.6	149.3	141.7	134.1	126.6	119.0	115.4	111.9	107.8
35°	262.9	218.8	174.2	129.7	124.3	118.5	113.2	107.4	103.8	99.8	96.3
37.5°	217.9	185.8	153.3	120.8	115.0	109.2	102.9	97.2	94.5	91.8	89.1
40°	179.6	160.9	142.2	123.4	115.0	106.5	98.0	89.6	87.3	85.1	82.9
42.5°	148.4	136.4	123.9	111.9	105.6	99.8	93.6	87.3	84.2	80.7	77.5
45°	119.9	113.2	107.0	100.3	100.7	101.2	101.2	101.6	93.6	85.1	77.1
47.5°	97.2	94.0	90.5	87.3	90.9	94.5	97.6	101.2	92.7	84.2	75.3
50°	83.3	81.1	78.4	75.8	79.3	83.3	86.9	90.5	86.9	83.8	80.2
52.5°	76.2	73.1	70.0	66.8	68.2	70.0	71.3	72.6	72.6	72.6	72.6
55°	71.7	68.6	65.1	61.5	60.2	58.4	57.0	55.3	53.0	51.2	49.0
57.5°	68.2	64.6	60.6	57.0	54.8	52.1	49.9	47.2	45.0	42.3	40.1
60°	64.6	61.1	57.0	53.5	51.2	49.0	46.3	44.1	41.4	39.2	36.5
62.5°	59.7	56.6	53.5	50.4	48.1	46.3	44.1	41.9	39.2	36.5	33.4
65°	54.4	52.1	49.5	46.8	44.6	42.3	40.1	37.9	35.2	33.0	30.3
67.5°	49.5	47.2	45.5	43.2	40.6	38.3	35.7	33.0	31.2	29.4	27.2
70°	45.5	43.7	42.3	40.6	37.9	35.7	33.0	30.3	29.0	27.2	25.8
72.5°	41.4	40.1	38.3	37.0	34.8	32.5	30.3	28.1	26.7	25.4	24.1
75°	35.7	34.8	33.9	33.0	30.7	28.5	25.8	23.6	23.2	22.7	22.3
77.5°	32.1	31.6	30.7	29.9	27.6	25.4	23.2	20.9	21.4	21.8	21.8
80°	26.3	26.3	25.8	25.8	24.1	22.3	20.1	18.3	19.2	20.5	21.4
82.5°	20.1	20.1	20.1	20.1	18.3	16.5	14.7	12.9	14.3	15.2	16.5
85°	13.8	13.4	12.9	12.5	11.1	10.2	8.9	7.6	9.4	10.7	12.5
87.5°	8.5	8.9	8.9	8.9	8.0	6.7	5.8	4.5	5.3	5.8	6.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367645
 CATALOG NUMBER: MSA-SA2D-830-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: P367645
 CATALOG NUMBER: MSA-SA2D-830-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	942.1	942.1	942.1	942.1	942.1	942.1	942.1	942.1	942.1	942.1	942.1
2.5°	1033.9	1020.5	1007.2	993.4	980.0	948.8	917.6	886.4	855.2	878.4	901.1
5°	1078.9	1053.1	1026.8	1000.9	974.6	963.1	951.9	940.3	928.7	930.5	932.7
7.5°	806.2	789.2	772.3	754.9	738.0	734.4	731.3	727.7	724.2	731.8	738.9
10°	680.1	656.4	632.4	608.8	584.7	571.8	558.8	545.9	533.0	531.7	529.9
12.5°	641.3	605.2	569.5	533.4	497.3	469.3	441.2	413.1	385.0	387.3	389.5
15°	492.4	456.3	420.7	384.6	348.5	325.8	302.6	279.9	256.7	250.0	243.3
17.5°	309.3	282.5	255.8	228.6	201.9	194.3	187.2	179.6	172.0	169.8	167.6
20°	193.0	181.4	169.8	157.8	146.2	144.4	142.6	140.8	139.0	140.4	141.7
22.5°	150.2	145.3	139.9	135.0	129.7	127.9	126.1	124.3	122.6	123.9	124.8
25°	133.7	130.1	126.6	123.0	119.4	117.7	115.4	113.6	111.4	112.3	113.6
27.5°	124.3	121.2	118.1	115.0	111.9	108.7	106.1	102.9	99.8	101.6	102.9
30°	115.9	112.3	109.2	105.6	102.1	98.9	95.8	92.2	89.1	90.9	92.7
32.5°	104.3	101.2	97.6	94.5	90.9	89.1	87.3	85.1	83.3	84.7	85.6
35°	92.2	89.6	87.3	84.7	82.0	80.2	78.9	77.1	75.3	75.8	76.7
37.5°	86.5	83.3	80.2	77.1	74.0	73.1	72.2	70.9	70.0	70.0	70.0
40°	80.7	77.5	74.4	70.9	67.7	66.4	65.1	63.7	62.4	62.4	62.4
42.5°	74.0	70.9	67.7	64.6	61.5	60.2	58.4	57.0	55.3	55.3	55.3
45°	68.6	65.5	62.8	59.7	56.6	54.4	52.1	49.5	47.2	46.8	46.3
47.5°	66.8	62.4	57.9	53.5	49.0	46.8	44.6	41.9	39.7	39.2	38.8
50°	76.7	67.7	58.8	49.9	41.0	39.2	37.4	35.7	33.9	33.0	32.5
52.5°	72.6	63.3	53.9	44.6	35.2	33.9	32.5	31.2	29.9	29.0	28.1
55°	46.8	42.8	39.2	35.2	31.2	30.3	29.4	28.1	27.2	26.3	25.4
57.5°	37.4	35.2	33.4	31.2	29.0	28.1	27.2	25.8	25.0	23.6	22.7
60°	33.9	32.1	30.3	28.5	26.7	25.8	25.0	24.1	23.2	21.8	20.9
62.5°	30.7	29.4	28.1	26.7	25.4	24.5	23.6	22.7	21.8	20.5	19.2
65°	27.6	26.7	25.8	25.0	24.1	23.2	22.3	20.9	20.1	18.7	17.4
67.5°	25.4	25.0	24.5	24.1	23.6	22.7	21.4	20.5	19.2	17.8	16.0
70°	24.1	24.1	24.1	23.6	23.6	22.7	21.4	20.5	19.2	17.4	16.0
72.5°	22.7	23.2	23.6	23.6	24.1	22.7	21.4	20.1	18.7	16.9	15.6
75°	21.8	22.3	22.7	22.7	23.2	22.3	21.4	20.1	19.2	17.4	15.6
77.5°	22.3	22.7	22.7	23.2	23.2	22.3	21.4	20.1	19.2	16.9	14.7
80°	22.3	21.8	21.4	20.5	20.1	18.3	16.5	14.3	12.5	9.8	7.6
82.5°	17.4	16.5	16.0	15.2	14.3	12.5	10.7	8.9	7.1	5.3	3.6
85°	13.8	12.9	12.5	11.6	10.7	9.4	7.6	6.2	4.5	3.6	2.2
87.5°	7.1	6.7	5.8	5.3	4.5	3.6	2.2	1.3	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367645
 CATALOG NUMBER: MSA-SA2D-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: P367645
 CATALOG NUMBER: MSA-SA2D-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°	942.1	942.1	942.1	942.1	942.1	942.1	942.1	942.1	942.1	942.1	942.1
2.5°	924.3	947.0	943.9	940.8	955.5	970.2	959.5	949.2	938.5	927.8	905.6
5°	934.5	936.3	933.2	929.6	930.1	930.5	923.4	916.3	909.1	902.0	900.7
7.5°	746.5	753.6	763.4	772.8	773.2	773.2	767.9	762.5	756.7	751.4	754.0
10°	528.5	526.8	529.4	532.1	531.7	530.8	545.0	559.3	573.1	587.4	577.1
12.5°	391.3	393.5	382.4	371.2	375.2	378.8	381.0	383.3	385.5	387.7	394.0
15°	236.6	230.0	221.9	213.9	217.9	221.5	225.5	229.1	233.1	236.6	240.7
17.5°	164.9	162.7	159.1	155.1	155.5	156.0	156.4	156.9	156.9	157.3	158.2
20°	143.1	144.4	141.7	138.6	137.7	136.4	135.5	134.6	133.2	132.4	131.0
22.5°	126.1	127.0	127.5	127.5	125.7	123.4	121.7	120.3	118.5	116.8	115.9
25°	114.5	115.4	114.5	113.2	112.3	111.4	110.5	109.2	108.3	107.0	106.5
27.5°	104.7	106.1	106.1	105.6	104.7	103.4	101.2	99.4	97.2	94.9	95.4
30°	94.5	96.3	96.3	95.8	95.4	94.9	92.7	90.5	88.2	86.0	86.9
32.5°	86.9	87.8	87.3	86.9	86.9	86.5	84.7	83.3	81.6	79.8	79.8
35°	77.1	77.5	77.5	77.5	77.5	77.1	75.8	74.4	73.1	71.7	72.2
37.5°	70.0	70.0	71.3	72.2	71.3	70.4	69.5	68.2	67.3	66.0	66.0
40°	61.9	61.9	63.3	64.2	63.3	62.4	61.9	61.1	60.6	59.7	59.7
42.5°	54.8	54.8	56.2	57.0	57.0	56.6	55.7	54.8	53.9	53.0	53.5
45°	45.9	45.5	47.7	49.5	48.6	47.7	47.7	47.2	47.2	46.8	47.2
47.5°	37.9	37.4	39.2	41.0	40.6	39.7	39.7	39.7	39.7	39.7	40.1
50°	31.6	30.7	32.5	33.9	33.4	32.5	32.5	33.0	33.0	33.0	33.4
52.5°	27.2	26.3	27.6	28.5	28.1	27.6	27.6	28.1	28.1	28.1	28.5
55°	24.1	23.2	24.5	25.4	25.0	24.1	24.5	24.5	25.0	25.0	25.0
57.5°	21.4	20.1	20.9	21.8	21.8	21.4	21.8	21.8	22.3	22.3	22.3
60°	19.6	18.3	19.2	19.6	19.6	19.2	19.6	19.6	20.1	20.1	20.1
62.5°	17.4	16.0	16.9	17.4	17.4	16.9	17.4	17.4	17.8	17.8	17.8
65°	15.6	14.3	14.7	15.2	15.2	15.2	15.6	15.6	16.0	16.0	16.0
67.5°	14.7	12.9	13.4	13.8	13.8	13.8	14.3	14.3	14.7	14.7	15.2
70°	14.3	12.5	12.9	12.9	13.4	13.4	13.4	13.8	13.8	13.8	13.8
72.5°	13.8	12.0	12.0	12.0	12.5	12.5	12.5	12.9	12.9	12.9	12.9
75°	13.8	12.0	11.6	11.1	11.6	11.6	11.6	12.0	12.0	12.0	12.0
77.5°	12.0	9.8	8.9	7.6	8.9	9.8	10.2	10.2	10.7	10.7	10.7
80°	4.9	2.2	1.3	0.0	0.4	0.9	1.3	1.8	2.2	2.7	3.1
82.5°	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367645
 CATALOG NUMBER: MSA-SA2D-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: P367645
 CATALOG NUMBER: MSA-SA2D-830-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	942.1	942.1	942.1	942.1	942.1	942.1	942.1	942.1	942.1	942.1	942.1
2.5°	883.3	861.0	838.7	849.4	860.1	870.8	881.5	880.6	879.3	878.4	877.0
5°	899.8	898.4	897.1	890.9	885.1	878.8	872.6	871.2	869.5	868.1	866.3
7.5°	756.7	758.9	761.6	754.5	747.4	740.2	733.1	714.8	696.6	677.8	659.6
10°	566.9	556.2	545.9	545.0	544.1	543.2	542.4	540.6	538.8	536.6	534.8
12.5°	400.6	406.9	413.1	410.9	408.7	406.0	403.8	406.9	410.4	413.6	416.7
15°	244.2	248.2	251.8	259.8	267.8	275.9	283.9	287.0	290.6	293.7	296.8
17.5°	159.1	159.5	160.4	169.3	177.8	186.7	195.2	201.0	206.8	212.1	217.9
20°	129.7	128.3	127.0	131.9	136.8	141.7	146.6	152.0	157.3	162.7	168.0
22.5°	115.4	114.5	113.6	115.4	117.2	118.5	120.3	124.3	128.8	132.8	136.8
25°	106.1	105.2	104.7	105.6	106.5	107.4	108.3	110.5	112.7	115.0	117.2
27.5°	95.4	95.8	95.8	96.7	97.2	98.0	98.5	99.4	100.7	101.6	102.5
30°	87.3	88.2	88.7	89.6	90.0	90.9	91.4	90.9	90.5	90.0	89.6
32.5°	79.8	79.3	79.3	80.2	80.7	81.6	82.0	82.9	83.8	84.2	85.1
35°	72.2	72.6	72.6	72.6	73.1	73.1	73.1	74.0	75.3	76.2	77.1
37.5°	65.5	65.5	65.1	66.4	67.3	68.6	69.5	70.4	71.7	72.6	73.5
40°	59.7	59.7	59.7	60.6	61.5	61.9	62.8	65.1	67.3	69.5	71.7
42.5°	53.5	53.9	53.9	54.8	55.7	56.2	57.0	58.8	60.2	61.9	63.3
45°	47.7	48.1	48.6	49.5	49.9	50.8	51.2	52.1	52.6	53.5	53.9
47.5°	41.0	41.4	41.9	42.8	43.2	44.1	44.6	44.1	44.1	43.7	43.2
50°	34.3	34.8	35.2	36.5	37.4	38.8	39.7	38.8	37.9	36.5	35.7
52.5°	29.0	29.0	29.4	30.3	31.2	31.6	32.5	32.1	31.6	31.2	30.7
55°	25.0	25.0	25.0	25.4	25.8	26.3	26.7	27.2	27.2	27.6	27.6
57.5°	22.3	21.8	21.8	22.3	22.7	22.7	23.2	23.6	23.6	24.1	24.1
60°	20.1	19.6	19.6	20.1	20.5	20.9	21.4	21.4	21.4	20.9	20.9
62.5°	17.8	17.8	17.8	18.3	18.3	18.7	18.7	18.7	19.2	19.2	19.2
65°	16.5	16.5	16.5	16.5	16.5	16.0	16.0	16.5	16.5	16.9	16.9
67.5°	15.2	15.6	15.6	15.2	14.7	14.3	13.8	14.3	14.3	14.7	14.7
70°	13.8	13.8	13.8	13.4	12.9	12.5	12.0	12.0	12.0	11.6	11.6
72.5°	12.9	12.5	12.5	12.0	11.1	10.7	9.8	9.4	9.4	8.9	8.5
75°	12.0	11.6	11.6	10.7	9.8	8.9	8.0	7.6	6.7	6.2	5.3
77.5°	10.7	10.7	10.7	9.4	8.5	7.1	5.8	4.9	4.0	2.7	1.8
80°	3.6	4.0	4.5	4.0	4.0	3.6	3.1	2.2	1.8	0.9	0.0
82.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367645
 CATALOG NUMBER: MSA-SA2D-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: P367645
 CATALOG NUMBER: MSA-SA2D-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°	942.1	942.1	942.1	942.1	942.1	942.1	942.1	942.1	942.1	942.1	942.1
2.5°	881.9	886.8	891.7	896.6	897.1	897.5	898.0	898.4	887.3	875.7	864.6
5°	875.3	884.6	893.5	902.4	897.5	892.6	887.7	882.8	882.4	882.4	881.9
7.5°	660.9	661.8	663.1	664.0	665.8	667.6	668.9	670.7	677.8	685.0	691.6
10°	529.0	523.2	517.0	511.2	506.7	501.8	497.3	492.4	496.0	500.0	503.6
12.5°	411.8	406.9	401.5	396.6	394.8	393.1	390.8	389.1	400.6	412.2	423.4
15°	295.9	295.0	293.7	292.8	298.6	304.4	310.2	316.0	325.8	335.1	344.9
17.5°	220.2	222.4	224.6	226.8	230.4	234.0	237.1	240.7	247.8	255.4	262.5
20°	170.7	173.8	176.5	179.2	178.3	177.4	176.0	175.1	180.9	186.7	192.1
22.5°	139.5	141.7	144.4	146.6	147.1	147.5	148.0	148.4	152.0	155.1	158.7
25°	119.4	122.1	124.3	126.6	127.0	127.5	127.9	128.3	132.8	137.3	141.3
27.5°	105.6	108.3	111.4	114.1	115.0	115.9	116.8	117.7	120.3	122.6	125.2
30°	93.1	96.7	100.3	103.8	105.2	106.5	107.8	109.2	111.9	115.0	117.7
32.5°	86.9	89.1	90.9	92.7	95.8	98.5	101.6	104.3	107.4	111.0	114.1
35°	79.8	82.0	84.7	86.9	89.1	91.4	93.1	95.4	97.2	98.9	100.3
37.5°	75.3	77.5	79.3	81.1	82.0	82.9	83.3	84.2	85.1	86.0	86.5
40°	71.7	71.3	71.3	70.9	71.7	73.1	74.0	74.9	77.5	79.8	82.4
42.5°	62.4	61.1	60.2	58.8	61.1	62.8	65.1	66.8	70.4	74.0	77.5
45°	53.0	52.1	50.8	49.9	53.0	56.2	59.3	62.4	66.4	70.0	74.0
47.5°	43.7	44.1	44.1	44.6	47.7	50.8	53.5	56.6	60.6	64.6	68.6
50°	36.5	37.4	38.3	39.2	42.3	45.0	48.1	50.8	55.3	59.3	63.7
52.5°	32.1	33.4	34.3	35.7	38.3	41.4	44.1	46.8	50.8	54.8	58.8
55°	29.0	30.7	32.1	33.4	35.7	37.9	40.1	42.3	46.3	50.4	53.9
57.5°	25.4	26.7	28.1	29.4	31.6	33.9	35.7	37.9	41.4	45.5	49.0
60°	22.3	23.2	24.5	25.4	27.2	29.4	31.2	33.0	36.5	40.1	43.2
62.5°	19.6	20.5	20.9	21.4	23.2	25.0	26.7	28.5	31.6	35.2	38.3
65°	17.4	17.8	17.8	18.3	19.6	21.4	22.7	24.1	27.6	30.7	34.3
67.5°	14.7	15.2	15.2	15.2	16.5	17.8	19.2	20.5	23.6	27.2	30.3
70°	11.6	12.0	12.0	12.0	13.4	15.2	16.5	17.8	20.5	23.2	25.8
72.5°	8.9	8.9	9.4	9.4	10.7	12.5	13.8	15.2	17.4	19.6	21.8
75°	5.8	6.2	6.2	6.7	8.0	9.8	11.1	12.5	14.7	16.9	18.7
77.5°	2.2	3.1	3.6	4.0	5.3	6.7	8.0	9.4	11.1	13.4	15.2
80°	0.0	0.4	0.4	0.4	1.3	1.8	2.7	3.1	4.5	6.2	7.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367645
 CATALOG NUMBER: MSA-SA2D-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: P367645
 CATALOG NUMBER: MSA-SA2D-830-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	942.1	942.1	942.1	942.1	942.1	942.1	942.1	942.1	942.1	942.1	942.1
2.5°	853.0	877.5	902.0	926.5	951.0	981.3	1011.6	1016.1	1020.5	1015.2	1010.3
5°	881.5	893.5	905.1	917.1	928.7	963.5	997.8	998.3	998.3	998.7	998.7
7.5°	698.8	709.0	719.3	729.1	739.3	762.1	784.8	793.3	801.3	799.5	797.7
10°	507.2	520.5	533.4	546.8	559.7	580.7	601.6	609.7	617.2	641.7	666.7
12.5°	435.0	447.9	460.8	473.3	486.2	507.6	529.0	544.6	559.7	574.9	590.0
15°	354.3	364.5	375.2	385.5	395.7	405.5	415.3	434.5	453.2	468.4	483.5
17.5°	269.6	274.1	278.1	282.5	286.6	291.0	295.5	303.5	311.1	324.4	337.4
20°	197.9	201.4	205.0	208.1	211.7	216.1	220.6	226.4	231.7	234.9	237.5
22.5°	161.8	167.1	172.5	177.4	182.7	185.8	189.0	190.7	192.5	193.9	195.2
25°	145.7	150.6	155.1	160.0	164.4	165.8	167.1	170.7	174.2	174.2	174.2
27.5°	127.5	134.1	141.3	148.0	154.6	156.4	157.8	159.1	160.0	158.2	156.0
30°	120.3	127.0	133.7	139.9	146.6	149.3	151.5	152.9	154.2	152.0	149.7
32.5°	117.2	123.4	129.2	135.5	141.3	144.8	148.0	151.5	154.6	155.1	156.0
35°	102.1	106.1	110.5	114.5	118.5	120.3	122.1	123.4	124.3	124.3	124.3
37.5°	87.3	92.7	98.5	103.8	109.2	113.2	117.2	117.7	117.7	118.5	119.9
40°	84.7	90.0	95.4	100.3	105.6	110.1	114.1	114.5	115.0	115.9	116.8
42.5°	81.1	86.9	92.7	98.5	104.3	108.7	112.7	112.7	112.3	113.6	114.5
45°	77.5	83.3	88.7	94.5	99.8	105.6	111.0	109.6	107.8	110.1	111.9
47.5°	72.6	78.9	85.1	90.9	97.2	102.5	107.4	106.5	105.2	107.4	109.6
50°	67.7	74.0	80.2	86.5	92.7	98.5	103.8	102.9	102.1	104.7	107.0
52.5°	62.8	69.1	75.8	82.0	88.2	93.1	97.6	97.2	96.7	99.4	102.5
55°	57.9	63.7	70.0	75.8	81.6	86.9	91.8	90.9	90.0	92.2	94.5
57.5°	52.6	58.4	63.7	69.5	74.9	79.3	83.3	82.0	80.7	83.3	86.0
60°	46.8	52.1	57.5	62.4	67.7	71.3	74.4	73.5	72.2	74.9	77.5
62.5°	41.4	46.3	51.2	55.7	60.6	63.3	66.0	65.1	64.2	66.8	70.0
65°	37.4	41.4	45.0	49.0	52.6	55.3	57.9	56.6	55.3	58.4	61.1
67.5°	33.4	36.5	40.1	43.2	46.3	48.6	50.8	49.9	48.6	50.8	53.0
70°	28.5	31.6	34.8	37.4	40.6	42.8	45.0	43.7	41.9	44.1	46.3
72.5°	24.1	26.7	29.4	31.6	34.3	36.1	37.9	36.5	35.2	37.0	38.8
75°	20.9	23.2	25.4	27.2	29.4	30.3	31.2	30.7	29.9	31.6	33.0
77.5°	16.9	18.7	20.9	22.7	24.5	24.5	24.5	25.0	25.0	26.7	29.0
80°	8.9	10.7	12.5	13.8	15.6	15.6	15.2	16.0	16.5	18.7	20.9
82.5°	0.0	1.3	2.7	4.0	5.3	4.9	4.0	4.5	4.5	5.3	6.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367645
 CATALOG NUMBER: MSA-SA2D-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: P367645
 CATALOG NUMBER: MSA-SA2D-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°	942.1	942.1	942.1	942.1	942.1	942.1	942.1	942.1	942.1	942.1	942.1
2.5°	1004.9	999.6	996.0	992.9	989.3	985.8	990.2	994.7	998.7	1003.2	1016.5
5°	999.1	999.1	996.0	992.9	989.8	986.7	993.4	999.6	1006.3	1012.5	1012.1
7.5°	795.5	793.7	812.4	830.7	849.4	867.7	872.6	877.5	881.9	886.8	885.5
10°	691.2	715.7	723.7	731.8	739.8	747.8	757.6	767.4	777.2	787.0	790.6
12.5°	605.2	620.3	646.2	671.6	697.4	722.8	735.8	749.1	762.1	775.0	800.4
15°	498.7	513.8	536.1	558.4	580.7	603.0	623.5	644.4	664.9	685.4	716.2
17.5°	350.7	363.7	380.6	397.5	414.0	430.9	462.6	494.2	525.9	557.5	590.0
20°	240.7	243.3	251.3	259.8	267.8	275.9	304.4	333.3	361.9	390.4	433.2
22.5°	196.1	197.4	201.4	205.4	209.0	213.0	227.7	242.9	257.6	272.3	307.1
25°	173.8	173.8	176.5	179.2	181.8	184.5	192.5	200.5	208.1	216.1	238.4
27.5°	154.2	152.0	156.0	160.0	164.0	168.0	173.8	180.0	185.8	191.6	206.8
30°	147.5	145.3	150.2	155.1	160.0	164.9	170.7	176.5	181.8	187.6	197.9
32.5°	156.4	156.9	158.7	160.4	161.8	163.6	166.2	169.3	172.0	174.7	183.6
35°	124.3	124.3	127.5	130.6	133.2	136.4	141.3	146.2	151.1	156.0	165.3
37.5°	120.8	121.7	124.3	127.5	130.1	132.8	139.0	145.7	152.0	158.2	165.8
40°	117.2	118.1	121.7	125.2	128.8	132.4	138.6	144.4	150.6	156.4	163.6
42.5°	115.9	116.8	121.2	126.1	130.6	135.0	140.4	145.7	150.6	156.0	165.8
45°	114.1	115.9	121.2	127.0	132.4	137.7	142.6	147.5	152.4	157.3	169.3
47.5°	111.4	113.6	119.9	125.7	131.9	137.7	147.1	156.9	166.2	175.6	181.4
50°	109.6	111.9	118.5	125.2	131.9	138.6	153.7	168.9	183.6	198.8	195.6
52.5°	105.2	107.8	116.3	124.8	133.2	141.7	155.1	168.5	181.8	195.2	189.0
55°	96.7	98.9	108.7	118.5	127.9	137.7	147.5	157.3	166.7	176.5	169.3
57.5°	88.2	90.9	100.3	109.6	118.5	127.9	132.8	137.7	142.6	147.5	144.8
60°	80.2	82.9	95.4	107.8	120.3	132.8	128.3	123.9	119.0	114.5	117.7
62.5°	72.6	75.3	87.3	98.9	111.0	122.6	116.3	110.1	103.8	97.6	102.5
65°	64.2	66.8	71.3	76.2	80.7	85.1	84.7	83.8	83.3	82.4	87.8
67.5°	55.3	57.5	59.7	62.4	64.6	66.8	68.2	70.0	71.3	72.6	77.1
70°	48.1	50.4	53.0	55.3	57.9	60.2	61.1	61.9	62.4	63.3	67.3
72.5°	40.1	41.9	45.5	49.0	52.1	55.7	56.2	56.2	56.6	56.6	59.7
75°	34.8	36.1	38.8	41.4	43.7	46.3	47.7	49.0	49.9	51.2	53.0
77.5°	30.7	32.5	33.4	33.9	34.8	35.2	36.1	37.0	37.9	38.8	39.2
80°	22.7	25.0	25.8	26.3	27.2	27.6	27.6	27.2	27.2	26.7	27.2
82.5°	7.1	8.0	9.4	10.7	12.0	13.4	13.8	14.3	14.3	14.7	14.3
85°	1.3	1.8	2.7	3.6	4.0	4.9	4.5	3.6	3.1	2.2	1.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367645
 CATALOG NUMBER: MSA-SA2D-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: P367645

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

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	942.1	942.1	942.1	942.1	942.1	942.1	942.1	942.1	942.1	942.1	942.1
2.5°	1029.9	1042.8	1056.2	1050.8	1045.5	1040.1	1034.8	1035.7	1037.0	1037.9	1038.8
5°	1011.6	1010.7	1010.3	1025.4	1041.0	1056.2	1071.3	1087.8	1104.8	1121.3	1137.7
7.5°	884.2	882.4	881.1	900.7	920.3	939.9	959.5	982.2	1005.4	1028.1	1050.8
10°	794.1	797.7	801.3	809.3	817.8	825.8	833.8	855.6	877.5	898.9	920.7
12.5°	825.8	850.7	876.1	881.1	885.5	890.4	894.9	898.0	901.1	904.2	907.3
15°	747.4	778.1	808.9	821.8	834.3	847.2	859.7	892.6	925.2	958.1	990.7
17.5°	622.6	654.7	687.2	726.0	764.7	803.5	842.3	877.9	913.6	949.2	984.9
20°	476.4	519.2	562.0	611.0	660.5	709.5	758.5	794.1	829.4	865.0	900.2
22.5°	342.3	377.0	411.8	471.1	529.9	589.2	648.0	709.9	772.3	834.3	896.2
25°	260.7	282.5	304.8	363.2	421.6	479.5	537.9	623.0	708.1	793.3	878.4
27.5°	221.5	236.6	251.3	303.9	356.5	408.7	461.2	562.4	663.6	764.7	865.9
30°	208.6	218.8	229.1	273.6	318.6	363.2	407.8	510.3	612.8	715.3	817.8
32.5°	192.5	201.0	209.9	249.1	288.3	327.1	366.3	466.6	566.9	666.7	767.0
35°	174.2	183.6	192.5	231.7	271.0	309.7	348.9	452.8	556.6	660.5	764.3
37.5°	172.9	180.5	187.6	233.1	279.0	324.4	369.9	473.7	577.6	681.0	784.8
40°	171.1	178.3	185.4	231.7	277.6	324.0	369.9	478.6	587.4	696.1	804.8
42.5°	175.6	184.9	194.7	235.7	276.7	317.3	358.3	472.8	587.4	701.5	816.0
45°	181.8	193.9	205.9	243.3	280.8	318.2	355.6	480.0	604.3	728.2	852.5
47.5°	187.6	193.4	199.2	234.9	270.1	305.7	340.9	467.9	594.9	722.0	849.0
50°	193.0	189.8	186.7	225.9	265.2	303.9	343.2	464.4	585.1	706.4	827.1
52.5°	182.3	176.0	169.3	211.2	253.1	294.6	336.5	458.6	580.7	702.8	824.9
55°	162.2	155.1	148.0	189.4	230.4	271.8	312.8	434.5	556.2	677.8	799.5
57.5°	141.7	139.0	135.9	167.6	199.2	230.4	262.0	397.1	532.6	667.6	802.6
60°	120.8	123.4	126.6	149.3	172.0	194.3	217.0	349.4	481.3	613.7	745.6
62.5°	107.0	111.9	116.3	135.5	155.1	174.2	193.4	318.2	443.0	567.8	692.5
65°	93.6	98.9	104.3	127.0	150.2	172.9	195.6	301.3	406.9	512.5	618.1
67.5°	81.6	85.6	90.0	119.9	149.7	179.6	209.5	295.9	381.9	468.4	554.4
70°	71.3	74.9	78.9	113.6	148.4	183.2	217.9	291.5	365.4	439.0	512.5
72.5°	62.8	66.0	69.1	104.3	139.5	174.7	209.9	275.4	340.5	406.0	471.1
75°	54.8	56.2	57.9	87.8	117.2	147.1	176.5	220.2	264.3	307.9	351.6
77.5°	39.7	39.7	40.1	49.0	57.5	66.4	74.9	102.1	129.2	156.0	183.2
80°	27.2	27.6	27.6	31.2	34.3	37.9	41.0	46.8	52.1	57.9	63.3
82.5°	13.8	12.9	12.5	16.0	19.6	23.2	26.7	28.1	29.0	30.3	31.2
85°	1.3	0.4	0.0	2.2	4.5	6.7	8.9	10.7	12.5	14.3	16.0
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: P367645
 CATALOG NUMBER: MSA-SA2D-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: P367645

CATALOG NUMBER: MSA-SA2D-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°	942.1	942.1	942.1	942.1	942.1	942.1	942.1	942.1	942.1	942.1	942.1
2.5°	1035.2	1031.7	1028.1	1024.6	1046.4	1068.7	1090.5	1112.3	1174.3	1214.8	1210.4
5°	1153.8	1169.8	1185.9	1201.9	1227.8	1254.1	1279.9	1305.8	1397.6	1453.7	1461.7
7.5°	1075.8	1100.3	1125.3	1149.8	1199.7	1249.2	1299.1	1348.5	1423.9	1482.2	1515.2
10°	948.8	976.9	1004.5	1032.6	1088.7	1145.3	1201.5	1257.6	1342.3	1423.0	1464.4
12.5°	951.5	995.6	1039.7	1083.8	1132.8	1181.9	1230.4	1279.5	1331.2	1358.3	1416.7
15°	1025.4	1060.2	1095.0	1129.7	1193.9	1258.1	1321.8	1386.0	1416.7	1482.2	1550.4
17.5°	1052.6	1120.8	1188.6	1256.3	1336.5	1416.3	1496.5	1576.3	1634.2	1725.1	1795.5
20°	1002.3	1104.3	1205.9	1308.0	1418.1	1528.1	1638.2	1748.3	1811.6	1898.0	2006.8
22.5°	1004.5	1112.8	1220.6	1328.9	1480.9	1632.4	1784.4	1935.9	2105.7	2272.4	2325.4
25°	1020.1	1161.8	1303.1	1444.8	1620.4	1796.0	1971.6	2147.1	2352.1	2527.3	2597.7
27.5°	1025.4	1185.0	1344.1	1503.6	1753.2	2002.8	2252.3	2501.9	2746.5	2944.4	3019.7
30°	1012.5	1207.7	1402.5	1597.2	1903.4	2209.5	2515.7	2821.9	3054.0	3284.4	3378.0
32.5°	1015.6	1264.3	1513.0	1761.7	2122.2	2483.2	2843.7	3204.2	3352.6	3560.3	3725.2
35°	1037.0	1309.8	1582.1	1854.8	2253.7	2652.5	3051.4	3450.2	3693.6	3912.8	4052.7
37.5°	1086.9	1389.1	1690.8	1993.0	2483.2	2973.8	3464.0	3954.3	4330.8	4707.4	4771.6
40°	1123.9	1443.0	1762.1	2081.2	2650.3	3219.4	3788.5	4357.6	4783.6	5192.3	5236.0
42.5°	1165.8	1515.2	1865.0	2214.4	2850.8	3487.2	4123.6	4760.0	5253.3	5670.0	5699.0
45°	1211.7	1571.4	1930.6	2289.8	2956.4	3622.7	4289.4	4955.6	5531.9	6015.8	5906.7
47.5°	1233.6	1618.2	2002.8	2387.4	3102.2	3816.6	4531.4	5245.8	5762.7	6189.6	6062.2
50°	1250.5	1673.4	2096.8	2519.7	3269.3	4018.9	4768.5	5518.0	6036.3	6430.3	6230.6
52.5°	1298.2	1771.0	2244.3	2717.1	3514.4	4311.2	5108.5	5905.3	6406.7	6768.5	6488.7
55°	1344.5	1889.1	2434.1	2978.7	3836.2	4694.0	5551.5	6408.9	6908.0	7218.2	6838.1
57.5°	1402.9	2003.6	2603.9	3204.2	4121.4	5038.5	5955.2	6872.4	7360.4	7703.1	7308.2
60°	1387.8	2029.5	2671.7	3313.4	4247.5	5181.6	6115.7	7049.7	7629.5	8050.7	7782.8
62.5°	1328.9	1965.3	2601.3	3237.7	4155.2	5072.4	5990.0	6907.1	7601.9	8172.3	8082.3
65°	1209.9	1801.3	2393.1	2984.5	3860.7	4737.3	5613.4	6489.6	7347.0	8073.0	8105.0
67.5°	1053.5	1552.6	2051.3	2550.5	3367.8	4185.1	5002.0	5819.3	6831.4	7678.1	7773.5
70°	887.7	1262.5	1637.8	2012.6	2731.8	3451.1	4170.0	4889.2	5941.4	6793.5	6973.5
72.5°	711.7	952.8	1193.5	1434.1	1953.3	2472.0	2991.2	3509.9	4435.6	5096.9	5411.1
75°	461.2	570.9	680.5	790.1	1136.0	1481.3	1827.2	2172.5	2787.1	3274.2	3629.4
77.5°	205.4	227.7	249.6	271.8	538.8	805.7	1072.7	1339.6	1606.6	1900.7	1984.0
80°	73.5	83.3	93.6	103.4	234.4	365.9	496.9	627.9	757.2	909.1	946.1
82.5°	30.7	30.7	30.3	29.9	76.7	123.4	170.2	217.0	250.9	288.3	295.5
85°	12.5	9.4	5.8	2.2	9.8	17.8	25.4	33.0	53.0	48.1	89.1
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: P367645
 CATALOG NUMBER: MSA-SA2D-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: P367645

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

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	942.1	942.1	942.1	942.1	942.1	942.1	942.1	942.1	942.1	942.1	942.1
2.5°	1193.5	1192.6	1191.7	1190.8	1189.9	1173.8	1158.2	1142.2	1126.6	1146.2	1165.8
5°	1448.8	1472.0	1495.2	1518.8	1542.0	1548.6	1555.3	1562.0	1568.7	1583.0	1597.2
7.5°	1542.8	1582.1	1620.8	1660.0	1698.8	1734.9	1770.6	1806.7	1842.8	1833.9	1824.9
10°	1510.3	1581.2	1652.0	1723.3	1794.2	1809.8	1825.4	1841.4	1857.0	1897.6	1938.1
12.5°	1475.1	1560.2	1645.3	1730.5	1815.6	1862.8	1909.6	1956.9	2004.1	2045.1	2086.1
15°	1642.2	1696.6	1751.0	1805.8	1860.1	1901.6	1942.6	1984.0	2025.0	2053.6	2081.6
17.5°	1861.9	1888.7	1915.4	1942.6	1969.3	2001.9	2034.4	2066.9	2099.5	2116.4	2133.3
20°	2094.1	2105.7	2117.3	2128.9	2140.5	2114.6	2088.8	2062.9	2037.1	2053.1	2068.7
22.5°	2327.2	2331.2	2335.7	2339.7	2343.7	2283.5	2223.4	2163.2	2103.0	2077.6	2052.2
25°	2685.9	2656.5	2627.1	2597.7	2568.3	2497.0	2425.7	2354.4	2283.1	2220.2	2157.4
27.5°	3074.5	2974.7	2875.3	2775.5	2676.1	2604.8	2533.5	2462.2	2390.9	2296.4	2202.0
30°	3466.3	3305.4	3145.0	2984.1	2823.6	2739.0	2654.3	2569.2	2484.5	2390.0	2296.0
32.5°	3825.5	3632.1	3438.6	3244.8	3051.4	2908.8	2766.2	2623.5	2480.9	2415.0	2349.0
35°	4123.2	3894.5	3665.9	3436.9	3208.2	3067.0	2925.7	2784.4	2643.2	2545.1	2447.5
37.5°	4632.1	4375.0	4117.8	3860.7	3603.5	3410.6	3218.0	3025.1	2832.1	2766.6	2701.1
40°	5101.4	4777.4	4453.4	4129.4	3805.4	3643.6	3482.3	3320.5	3159.2	3051.8	2944.9
42.5°	5474.4	5133.0	4792.1	4450.7	4109.3	3949.4	3789.8	3629.8	3469.8	3398.1	3326.8
45°	5555.0	5233.3	4912.0	4590.2	4268.4	4175.3	4082.6	3989.5	3896.8	3847.3	3798.3
47.5°	5714.1	5365.2	5016.7	4667.7	4318.8	4276.9	4235.0	4192.7	4150.8	4174.4	4198.0
50°	5803.3	5447.2	5091.1	4735.0	4379.0	4391.0	4402.6	4414.6	4426.6	4594.2	4761.3
52.5°	5976.2	5616.5	5256.9	4897.3	4537.6	4613.4	4688.7	4764.5	4839.8	5070.6	5301.0
55°	6285.0	5931.6	5578.2	5224.4	4871.0	4970.8	5070.6	5170.9	5270.7	5515.8	5760.5
57.5°	6742.7	6392.0	6041.7	5691.0	5340.7	5440.1	5539.4	5638.8	5738.2	5959.7	6180.7
60°	7318.9	6958.8	6599.2	6239.1	5879.5	5916.9	5953.9	5991.3	6028.8	6266.7	6504.3
62.5°	7767.7	7436.6	7105.9	6774.8	6444.1	6402.7	6361.7	6320.2	6279.2	6460.2	6640.6
65°	7872.0	7638.9	7406.3	7173.2	6940.1	6812.7	6685.7	6558.2	6430.7	6503.8	6576.9
67.5°	7573.4	7416.1	7259.2	7101.9	6944.6	6678.5	6412.5	6146.0	5879.9	5841.1	5802.4
70°	6880.4	6794.4	6708.8	6622.8	6537.3	6127.3	5717.7	5307.7	4898.1	4799.7	4701.2
72.5°	5429.4	5482.8	5536.3	5590.2	5643.7	5204.8	4766.2	4327.3	3888.3	3763.5	3639.2
75°	3828.6	4010.0	4191.3	4372.7	4554.1	4153.9	3754.2	3354.0	2953.8	2833.9	2714.5
77.5°	2075.8	2415.9	2755.9	3095.9	3436.0	3105.7	2776.0	2445.7	2115.5	2032.2	1949.3
80°	984.0	1180.1	1375.7	1571.8	1767.9	1693.5	1619.0	1544.2	1469.8	1488.0	1506.3
82.5°	301.7	443.4	585.1	726.9	868.6	879.7	890.4	901.6	912.7	940.3	967.5
85°	101.2	138.6	176.0	213.5	250.9	316.9	382.8	449.2	515.2	472.4	430.1
87.5°	0.0	1.3	2.2	3.6	4.5	13.8	23.2	32.5	41.9	36.1	30.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367645
 CATALOG NUMBER: MSA-SA2D-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: P367645

CATALOG NUMBER: MSA-SA2D-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°	942.1	942.1	942.1	942.1	942.1	942.1	942.1	942.1	942.1	942.1	942.1
2.5°	1185.9	1205.5	1205.9	1206.8	1207.3	1207.7	1209.9	1212.2	1214.8	1217.1	1202.4
5°	1611.9	1626.2	1599.9	1573.6	1546.9	1520.6	1544.2	1567.8	1591.4	1615.0	1604.8
7.5°	1815.6	1806.7	1803.5	1800.9	1797.8	1795.1	1804.0	1812.9	1821.8	1830.7	1829.8
10°	1978.7	2019.2	2029.0	2038.9	2049.1	2058.9	2038.4	2017.9	1997.4	1976.9	1968.4
12.5°	2127.1	2168.1	2200.6	2233.2	2266.1	2298.7	2269.3	2240.3	2210.9	2181.9	2154.3
15°	2110.2	2138.2	2165.0	2191.7	2218.4	2245.2	2235.4	2226.0	2216.2	2206.4	2202.0
17.5°	2150.7	2167.6	2161.4	2155.2	2148.5	2142.2	2139.1	2136.4	2133.3	2130.2	2119.5
20°	2084.8	2100.8	2096.8	2093.2	2089.2	2085.2	2082.5	2079.9	2077.2	2074.5	2066.0
22.5°	2026.8	2001.4	1994.7	1988.5	1981.8	1975.6	1976.5	1977.4	1977.8	1978.7	2017.0
25°	2094.6	2031.7	2007.2	1982.7	1957.7	1933.2	1944.4	1955.1	1966.2	1977.4	2032.6
27.5°	2107.0	2012.6	1973.3	1934.1	1894.9	1855.7	1895.8	1935.9	1976.0	2016.1	2105.7
30°	2201.5	2107.5	2052.7	1998.3	1943.5	1889.1	1940.4	1991.6	2042.9	2094.1	2191.3
32.5°	2282.6	2216.7	2177.4	2138.2	2099.0	2059.8	2062.0	2063.8	2066.0	2068.3	2205.1
35°	2349.5	2251.9	2216.2	2181.0	2145.4	2110.2	2163.2	2216.2	2269.3	2322.3	2445.3
37.5°	2635.6	2570.1	2504.6	2439.5	2374.0	2308.9	2351.3	2393.6	2436.4	2478.7	2614.6
40°	2837.5	2730.5	2713.6	2697.1	2680.1	2663.7	2685.5	2706.9	2728.7	2750.6	2869.5
42.5°	3255.0	3183.3	3137.4	3091.9	3046.0	3000.6	3017.9	3035.3	3053.2	3070.5	3183.3
45°	3748.8	3699.3	3669.0	3638.7	3608.0	3577.7	3551.4	3525.5	3499.2	3473.4	3587.9
47.5°	4221.6	4245.3	4312.1	4378.5	4445.4	4511.8	4457.4	4403.0	4348.2	4293.8	4294.3
50°	4928.9	5096.0	5129.9	5163.3	5197.2	5230.6	5114.7	4998.9	4882.5	4766.7	4752.9
52.5°	5531.9	5762.3	5774.3	5786.3	5798.8	5810.8	5764.0	5717.3	5670.0	5623.2	5498.9
55°	6005.6	6250.3	6266.7	6282.8	6299.3	6315.3	6274.3	6233.8	6192.8	6151.8	6026.1
57.5°	6402.2	6623.3	6633.1	6642.4	6652.2	6662.0	6665.2	6668.3	6671.8	6675.0	6505.2
60°	6742.2	6980.2	6960.6	6941.5	6921.8	6902.7	6873.3	6843.9	6814.4	6785.0	6675.4
62.5°	6821.6	7002.5	6972.2	6942.3	6912.0	6882.2	6857.2	6832.7	6807.8	6782.8	6712.8
65°	6650.0	6723.1	6691.9	6660.7	6629.1	6597.9	6581.8	6566.2	6550.2	6534.1	6525.2
67.5°	5763.2	5724.4	5761.4	5798.4	5835.4	5872.3	5922.7	5973.1	6023.9	6074.2	6044.8
70°	4602.2	4503.7	4544.7	4585.3	4626.3	4666.9	4743.1	4819.3	4895.9	4972.1	4951.6
72.5°	3514.4	3389.6	3395.4	3401.2	3407.4	3413.2	3411.0	3409.2	3407.0	3404.8	3440.4
75°	2594.6	2474.7	2418.1	2361.5	2304.9	2248.3	2234.5	2220.7	2206.9	2193.0	2259.4
77.5°	1865.9	1783.0	1744.3	1706.0	1667.2	1628.9	1648.5	1668.1	1688.1	1707.7	1730.9
80°	1525.0	1543.3	1513.4	1484.0	1454.2	1424.3	1446.6	1468.4	1490.7	1513.0	1443.9
82.5°	995.1	1022.3	930.5	838.7	746.9	655.1	710.8	766.5	822.7	878.4	849.9
85°	387.3	344.9	294.1	243.8	193.0	142.2	184.9	227.7	270.5	313.3	341.8
87.5°	25.0	19.6	15.6	11.6	7.1	3.1	6.7	10.2	14.3	17.8	29.9
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: P367645
 CATALOG NUMBER: MSA-SA2D-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: P367645

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

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	942.1	942.1	942.1	942.1	942.1	942.1	942.1	942.1	942.1	942.1	942.1
2.5°	1188.1	1173.4	1159.1	1131.1	1103.0	1074.9	1046.8	1086.1	1125.3	1164.5	1203.7
5°	1595.0	1584.7	1574.9	1577.6	1580.3	1583.4	1586.1	1591.9	1597.7	1603.0	1608.8
7.5°	1829.4	1828.5	1827.6	1807.1	1786.6	1765.7	1745.2	1755.4	1765.7	1775.9	1786.2
10°	1960.4	1952.0	1943.5	1898.5	1853.5	1808.0	1763.0	1743.4	1723.3	1703.7	1684.1
12.5°	2126.6	2098.6	2070.9	2022.8	1975.1	1927.0	1878.9	1861.0	1842.8	1824.9	1806.7
15°	2197.9	2193.5	2189.5	2155.2	2120.4	2086.1	2051.3	1990.3	1928.8	1867.7	1806.7
17.5°	2108.8	2097.7	2087.0	2141.4	2195.3	2249.6	2304.0	2240.7	2177.4	2114.2	2050.9
20°	2057.6	2049.1	2040.6	2141.8	2242.5	2343.7	2444.4	2416.3	2387.8	2359.7	2331.6
22.5°	2055.3	2094.1	2132.4	2221.1	2309.4	2398.0	2486.3	2534.9	2583.9	2632.5	2681.0
25°	2087.9	2143.6	2198.8	2345.9	2493.0	2640.5	2787.5	2843.3	2898.5	2954.2	3009.5
27.5°	2194.8	2284.4	2373.5	2501.9	2630.2	2759.0	2887.4	3009.0	3131.1	3252.8	3374.5
30°	2288.0	2385.1	2482.3	2635.1	2787.5	2940.4	3092.8	3245.2	3397.6	3550.1	3702.5
32.5°	2341.9	2479.2	2616.0	2801.8	2987.2	3173.0	3358.9	3526.0	3693.1	3859.8	4026.9
35°	2568.3	2691.7	2814.7	3020.2	3225.6	3431.5	3637.0	3843.7	4050.5	4256.9	4463.6
37.5°	2750.6	2886.9	3022.8	3247.5	3471.6	3696.2	3920.8	4206.5	4492.6	4778.3	5063.9
40°	2988.5	3107.5	3226.5	3436.9	3646.8	3857.1	4067.5	4429.8	4792.1	5154.0	5516.3
42.5°	3295.6	3408.3	3521.1	3746.1	3971.2	4196.2	4421.3	4822.4	5223.5	5624.1	6025.2
45°	3702.5	3817.4	3932.0	4111.1	4290.3	4469.4	4648.6	5075.1	5501.1	5927.6	6353.6
47.5°	4294.7	4295.2	4295.6	4424.9	4554.1	4683.8	4813.0	5242.6	5671.8	6101.4	6530.6
50°	4739.0	4724.8	4711.0	4777.8	4844.2	4911.1	4977.9	5373.2	5768.9	6164.2	6559.5
52.5°	5375.0	5250.7	5126.8	5166.4	5205.6	5245.3	5284.5	5619.2	5954.3	6289.0	6623.7
55°	5900.9	5775.2	5649.5	5634.8	5620.1	5605.4	5590.7	5898.6	6206.6	6514.5	6822.5
57.5°	6335.8	6166.0	5996.7	5962.8	5929.4	5895.5	5861.6	6186.5	6511.0	6835.8	7160.3
60°	6566.2	6456.6	6347.0	6325.1	6302.8	6281.0	6258.7	6525.2	6791.7	7058.2	7324.7
62.5°	6643.3	6573.3	6503.8	6544.8	6585.8	6627.3	6668.3	6785.5	6902.2	7019.4	7136.2
65°	6516.8	6507.8	6498.9	6583.2	6666.9	6751.2	6835.4	6806.4	6777.0	6748.0	6719.1
67.5°	6015.8	5986.4	5957.5	6142.4	6326.9	6511.8	6696.8	6556.4	6415.6	6275.2	6134.8
70°	4931.1	4910.2	4889.7	5156.2	5422.7	5689.6	5956.1	5785.9	5615.6	5445.4	5275.2
72.5°	3475.6	3511.3	3546.9	3861.1	4174.9	4489.0	4802.8	4631.2	4459.6	4288.1	4116.5
75°	2325.4	2391.8	2458.2	2781.8	3105.3	3429.3	3752.8	3551.4	3350.0	3148.5	2947.1
77.5°	1754.1	1777.3	1800.4	2005.0	2209.5	2414.5	2619.1	2452.9	2286.2	2120.0	1953.3
80°	1374.8	1305.3	1236.2	1303.5	1370.8	1438.1	1505.4	1406.0	1306.6	1207.7	1108.3
82.5°	821.3	792.8	764.3	800.8	836.9	873.5	910.0	867.2	824.0	781.2	738.0
85°	369.9	398.4	426.5	463.5	500.0	537.0	574.0	514.3	454.6	394.8	335.1
87.5°	41.4	53.5	65.5	81.1	96.7	112.3	127.9	99.8	71.3	43.2	15.2
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



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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°	942.1	942.1
2.5°	1226.4	1249.2
5°	1608.4	1607.5
7.5°	1759.4	1732.2
10°	1659.2	1634.2
12.5°	1742.9	1679.2
15°	1758.5	1710.4
17.5°	1972.5	1893.6
20°	2230.5	2128.9
22.5°	2542.0	2402.5
25°	2843.7	2677.9
27.5°	3275.1	3175.3
30°	3601.7	3500.6
32.5°	3958.3	3889.6
35°	4395.5	4326.8
37.5°	5081.8	5099.1
40°	5527.0	5537.7
42.5°	6066.6	6108.1
45°	6400.0	6446.3
47.5°	6595.2	6659.8
50°	6663.8	6768.1
52.5°	6752.5	6880.8
55°	6965.5	7108.6
57.5°	7274.4	7388.4
60°	7330.1	7335.4
62.5°	7053.8	6971.3
65°	6631.3	6543.5
67.5°	6081.8	6028.3
70°	5204.8	5134.3
72.5°	3985.5	3854.4
75°	2784.9	2622.7
77.5°	1868.2	1783.0
80°	1111.0	1113.2
82.5°	758.5	778.6
85°	331.1	326.7
87.5°	10.7	5.8
90°	0.0	0.0
92.5°	0.0	0.0
95°	0.0	0.0
97.5°	0.0	0.0
100°	0.0	0.0
102.5°	0.0	0.0
105°	0.0	0.0
107.5°	0.0	0.0
110°	0.0	0.0



REPORT NUMBER: P367645
CATALOG NUMBER: MSA-SA2D-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)