

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: P368129

Luminaire Tested: **MSA-SA3D-750-U-SLR-HSS**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P368129
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-SA3D-750-U-SLR-HSS
Description: MESA POST TOP DECORATIVE LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS
EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14520 lumens
Efficiency: N/A
Efficacy: 75.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

Input Watts (W): 192
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: 24 FT

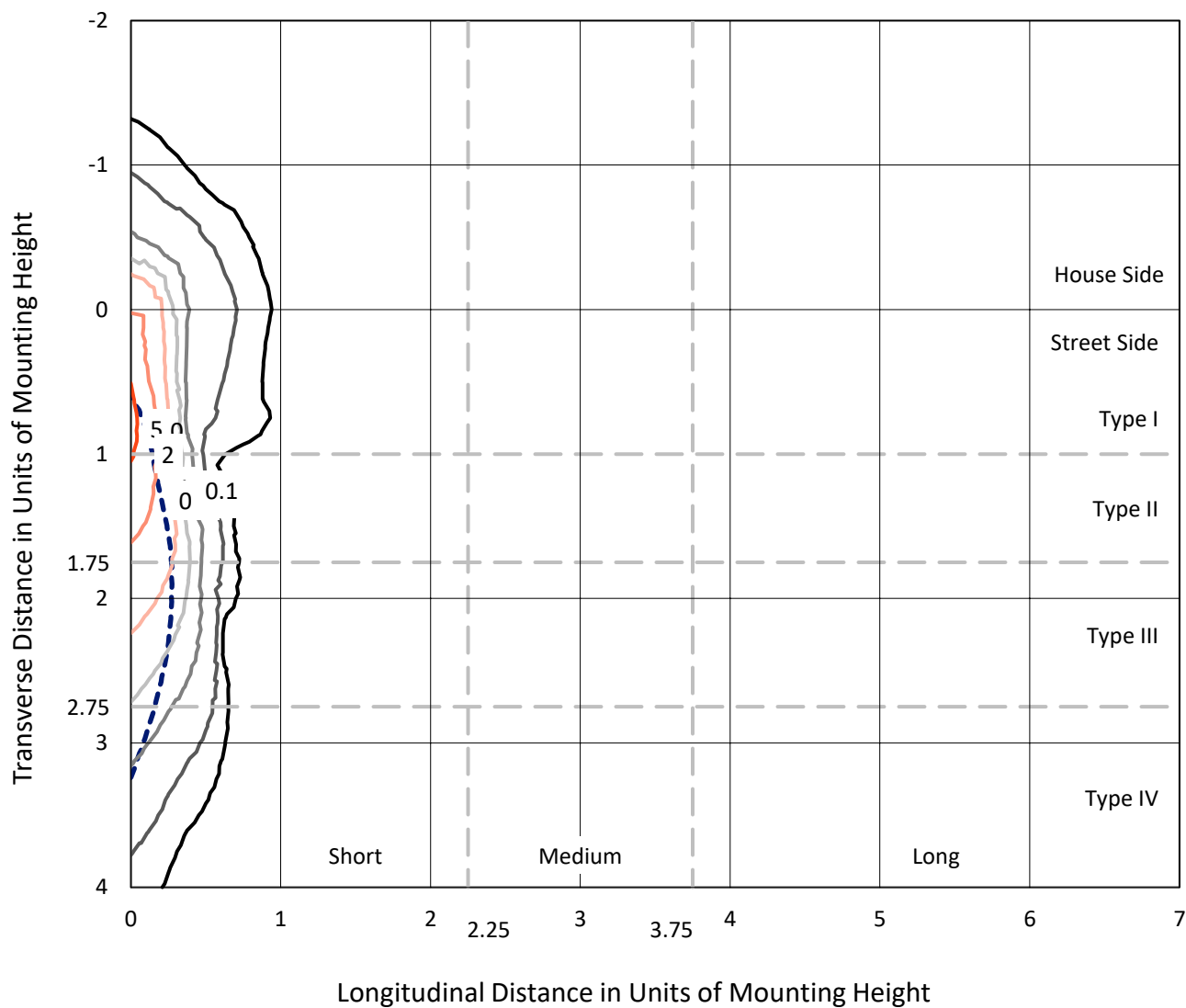


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

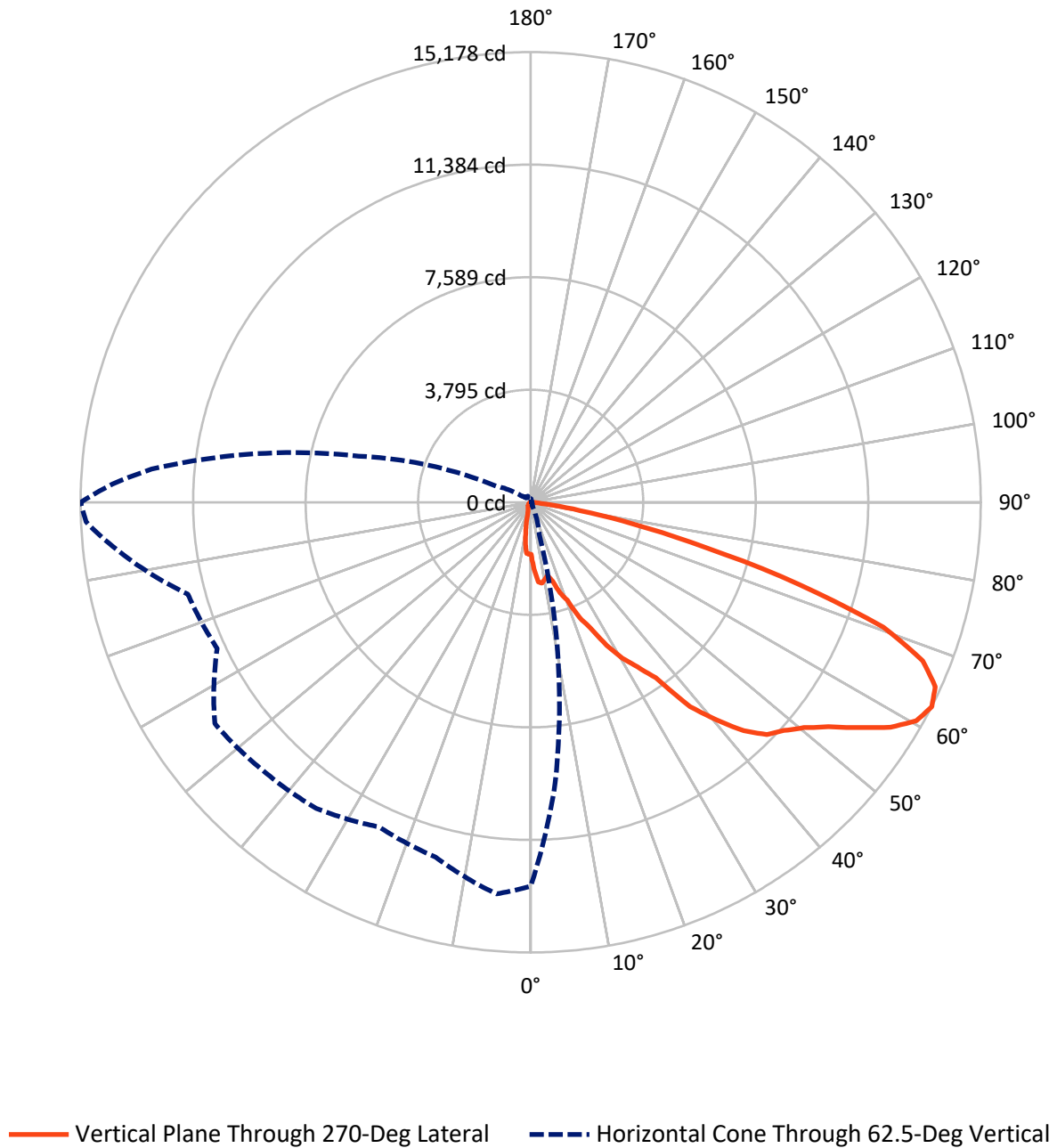
--- 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 11.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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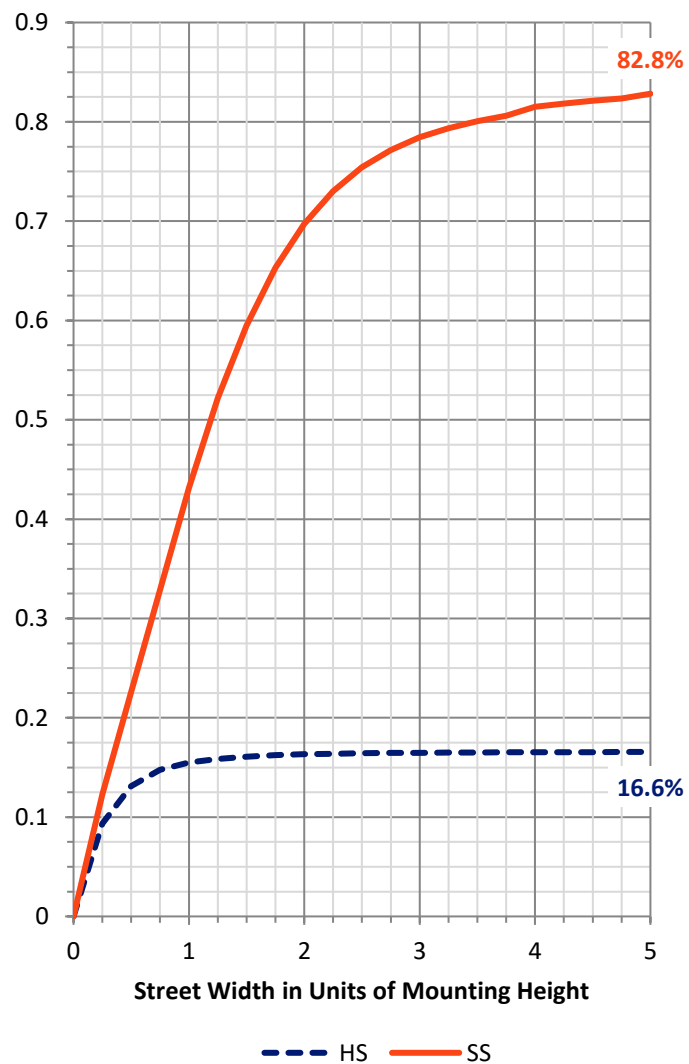
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2424.7	0.0	2424.7
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	12095.3	0.0	12095.3
	% Fixture	83.3	0.0	83.3
Total	Lumens	14520.0	0.0	14520.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.5	1.3
10°-20°	510.7	3.5
20°-30°	825.4	5.7
30°-40°	1382.4	9.5
40°-50°	2260.0	15.6
50°-60°	3345.5	23.0
60°-70°	3840.7	26.5
70°-80°	1899.0	13.1
80°-90°	260.8	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°	14520.0	100.0
0°-180°	14520.0	100.0

Coefficient of Utilization



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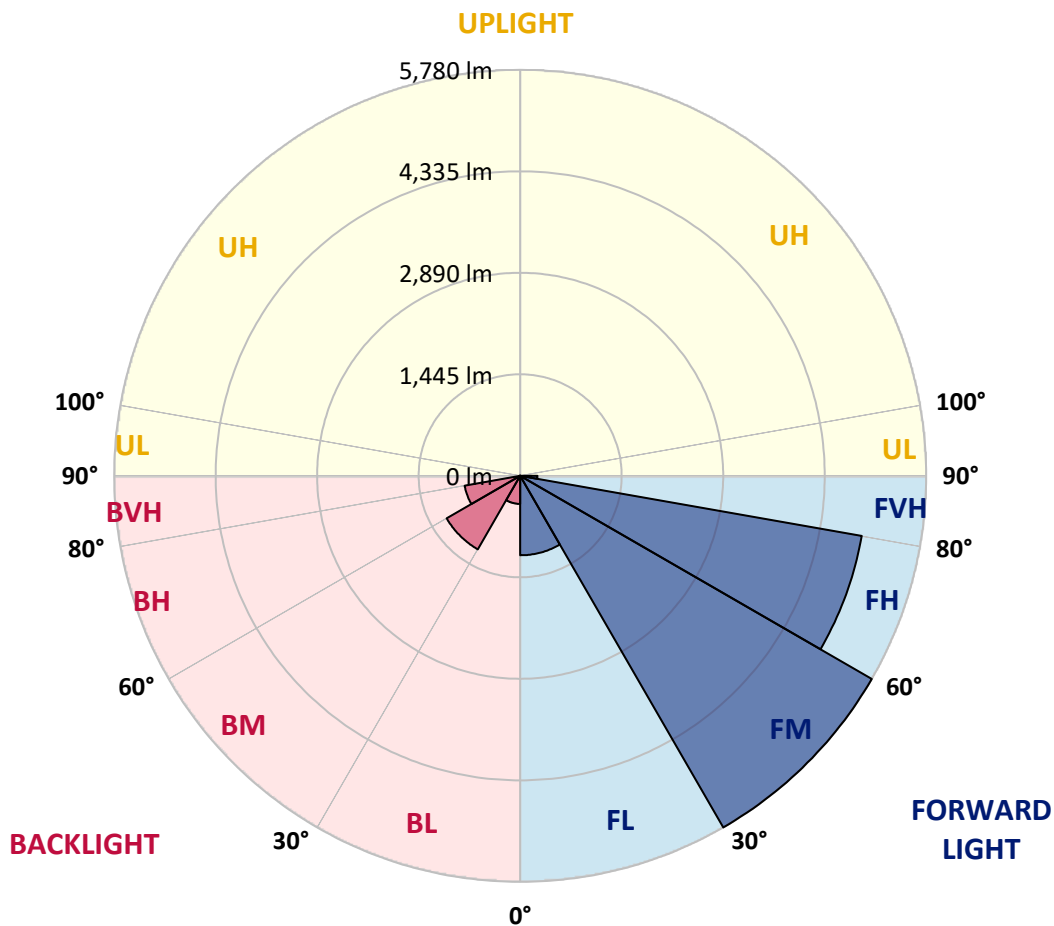
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1131.2	7.8			
FM	(30°-60°)	5779.7	39.8			
FH	(60°-80°)	4937.5	34.0			G2/5000
FVH	(80°-90°)	247.0	1.7			G3/500
BL	(0°-30°)	400.4	2.8	B1/500		
BM	(30°-60°)	1208.2	8.3	B2/2500		
BH	(60°-80°)	802.2	5.5	B2/1000		G2/1000
BVH	(80°-90°)	13.9	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7
2.5°	2320.0	2349.0	2377.1	2323.3	2269.5	2215.7	2161.9	2113.9	2065.9	2017.1	1969.1
5°	2985.5	2932.5	2879.5	2806.7	2733.8	2661.0	2588.2	2554.2	2520.3	2486.4	2452.4
7.5°	3217.2	3122.9	3027.7	2963.1	2899.4	2834.8	2770.3	2668.5	2565.8	2464.0	2361.4
10°	3035.1	2935.0	2834.0	2777.7	2721.4	2665.1	2608.9	2482.2	2354.8	2228.1	2100.7
12.5°	3118.7	3010.3	2901.9	2786.0	2670.1	2554.2	2438.4	2341.5	2243.9	2147.0	2049.4
15°	3176.7	3052.5	2927.5	2795.1	2662.7	2530.2	2397.8	2283.6	2170.2	2056.0	1941.8
17.5°	3516.8	3338.9	3160.9	2957.3	2753.7	2550.1	2346.5	2214.1	2082.5	1950.0	1817.6
20°	3953.9	3701.4	3448.1	3172.5	2896.9	2621.3	2345.7	2181.0	2016.2	1851.5	1686.8
22.5°	4462.1	4146.7	3830.5	3490.4	3151.0	2810.8	2470.6	2233.9	1997.2	1760.5	1523.8
25°	4973.6	4688.8	4404.1	3946.4	3488.7	3030.2	2572.4	2272.0	1970.7	1670.3	1369.0
27.5°	5897.3	5388.2	4879.2	4296.5	3714.7	3132.0	2549.3	2205.0	1860.6	1515.5	1171.2
30°	6501.5	6110.0	5717.7	4947.9	4179.0	3409.2	2639.5	2203.3	1767.1	1330.1	893.9
32.5°	7224.0	6651.3	6077.7	5242.6	4407.4	3572.3	2737.2	2224.8	1711.7	1199.3	686.2
35°	8036.0	7412.8	6789.5	5731.7	4673.9	3615.3	2557.5	2060.9	1564.3	1067.7	571.1
37.5°	9470.4	8427.5	7384.6	6151.4	4917.3	3684.0	2450.0	1954.2	1457.6	961.8	465.2
40°	10284.8	9289.1	8293.4	6752.3	5211.1	3670.0	2128.8	1688.5	1249.0	808.6	368.3
42.5°	11344.3	10081.2	8817.3	7094.9	5372.5	3650.1	1927.7	1520.5	1113.2	705.2	298.0
45°	11972.5	10541.4	9110.3	7243.9	5377.5	3511.0	1644.6	1292.0	939.4	586.8	234.2
47.5°	12368.9	10933.7	9498.5	7494.7	5491.7	3487.9	1484.0	1159.6	835.1	510.7	186.2
50°	12570.1	11130.7	9690.5	7631.3	5572.0	3511.9	1452.6	1129.8	806.2	483.4	159.7
52.5°	12779.5	11391.4	10002.6	7868.0	5733.4	3598.8	1464.2	1134.8	806.2	476.7	147.3
55°	13202.4	11833.4	10463.6	8207.3	5951.1	3694.8	1438.5	1114.1	789.6	464.3	139.9
57.5°	13722.2	12258.9	10794.7	8455.6	6116.6	3777.6	1438.5	1112.4	786.3	459.4	133.3
60°	13623.7	12035.4	10446.2	8176.7	5907.2	3636.9	1367.3	1057.0	747.4	437.0	126.6
62.5°	12947.5	11223.4	9498.5	7401.2	5303.0	3205.6	1107.4	860.0	612.5	364.2	116.7
65°	12152.9	10322.9	8492.1	6561.9	4630.9	2700.7	769.7	604.2	437.8	272.3	105.9
67.5°	11196.1	9244.4	7292.7	5576.1	3860.3	2143.7	427.1	344.3	261.5	178.0	95.2
70°	9535.8	7521.2	5505.8	4186.4	2867.9	1548.6	229.3	193.7	158.1	122.5	86.9
72.5°	7158.7	5312.9	3467.2	2633.7	1801.0	967.6	134.1	120.8	106.8	93.5	79.5
75°	4870.9	3487.9	2104.8	1602.4	1100.8	598.4	96.0	89.4	81.9	75.3	67.9
77.5°	3311.6	2395.3	1479.1	1129.0	778.9	428.7	78.6	74.5	70.4	65.4	61.2
80°	2067.6	1415.3	763.1	587.7	411.4	235.9	59.6	57.1	54.6	51.3	48.8
82.5°	1446.0	864.9	283.9	221.8	159.7	96.8	34.8	35.6	36.4	36.4	37.2
85°	606.7	327.8	48.8	41.4	33.9	26.5	19.0	20.7	23.2	24.8	26.5
87.5°	10.8	5.8	0.0	1.7	4.1	5.8	7.4	9.9	11.6	14.1	15.7
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°	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7
2.5°	1981.5	1993.9	2005.5	2017.9	2008.0	1998.9	1988.9	1979.0	1964.1	1950.0	1935.1
5°	2411.0	2369.7	2328.3	2286.9	2224.0	2161.1	2097.4	2034.5	2027.0	2019.6	2011.3
7.5°	2264.5	2167.7	2070.0	1973.2	1882.2	1791.1	1700.1	1609.0	1580.9	1553.6	1525.4
10°	2026.2	1951.7	1876.4	1801.9	1736.5	1670.3	1604.9	1538.7	1470.0	1401.3	1331.7
12.5°	1971.5	1893.7	1815.1	1737.3	1677.7	1618.1	1558.5	1498.9	1422.0	1345.0	1268.0
15°	1857.3	1772.9	1688.5	1604.1	1524.6	1445.1	1364.9	1285.4	1192.7	1100.0	1007.3
17.5°	1717.4	1618.1	1518.0	1417.8	1313.5	1209.2	1105.0	1000.7	893.9	788.0	681.2
20°	1551.1	1415.3	1278.8	1143.0	1013.9	884.8	754.8	625.7	558.7	492.5	425.4
22.5°	1348.3	1172.0	996.5	820.2	714.3	607.5	501.6	394.8	365.8	336.9	307.9
25°	1169.5	970.0	770.6	571.1	504.1	437.0	370.0	302.9	289.7	275.6	262.4
27.5°	983.3	796.2	608.3	420.5	382.4	343.5	305.4	266.5	257.4	249.1	240.0
30°	754.0	614.1	473.4	333.6	308.7	283.9	258.2	233.4	229.3	224.3	220.2
32.5°	584.3	481.7	379.9	277.3	263.2	249.1	235.1	221.0	214.4	207.7	200.3
35°	488.3	406.4	323.6	240.9	230.9	220.2	210.2	199.5	192.9	185.4	178.8
37.5°	404.7	345.1	284.7	224.3	213.5	202.8	191.2	180.4	175.5	170.5	165.5
40°	333.6	298.8	264.0	229.3	213.5	197.8	182.1	166.4	162.2	158.1	153.9
42.5°	275.6	253.3	230.1	207.7	196.2	185.4	173.8	162.2	156.4	149.8	144.0
45°	222.6	210.2	198.6	186.2	187.1	187.9	187.9	188.7	173.8	158.1	143.2
47.5°	180.4	174.6	168.0	162.2	168.8	175.5	181.3	187.9	172.2	156.4	139.9
50°	154.8	150.6	145.7	140.7	147.3	154.8	161.4	168.0	161.4	155.6	149.0
52.5°	141.5	135.7	129.9	124.2	126.6	129.9	132.4	134.9	134.9	134.9	134.9
55°	133.3	127.5	120.8	114.2	111.7	108.4	105.9	102.6	98.5	95.2	91.0
57.5°	126.6	120.0	112.6	105.9	101.8	96.8	92.7	87.7	83.6	78.6	74.5
60°	120.0	113.4	105.9	99.3	95.2	91.0	86.1	81.9	77.0	72.8	67.9
62.5°	110.9	105.1	99.3	93.5	89.4	86.1	81.9	77.8	72.8	67.9	62.1
65°	101.0	96.8	91.9	86.9	82.8	78.6	74.5	70.4	65.4	61.2	56.3
67.5°	91.9	87.7	84.4	80.3	75.3	71.2	66.2	61.2	57.9	54.6	50.5
70°	84.4	81.1	78.6	75.3	70.4	66.2	61.2	56.3	53.8	50.5	48.0
72.5°	77.0	74.5	71.2	68.7	64.6	60.4	56.3	52.1	49.7	47.2	44.7
75°	66.2	64.6	62.9	61.2	57.1	53.0	48.0	43.9	43.0	42.2	41.4
77.5°	59.6	58.8	57.1	55.5	51.3	47.2	43.0	38.9	39.7	40.6	40.6
80°	48.8	48.8	48.0	48.0	44.7	41.4	37.2	33.9	35.6	38.1	39.7
82.5°	37.2	37.2	37.2	37.2	33.9	30.6	27.3	24.0	26.5	28.1	30.6
85°	25.7	24.8	24.0	23.2	20.7	19.0	16.6	14.1	17.4	19.9	23.2
87.5°	15.7	16.6	16.6	16.6	14.9	12.4	10.8	8.3	9.9	10.8	12.4
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: P368129
 CATALOG NUMBER: MSA-SA3D-750-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: P368129

CATALOG NUMBER: MSA-SA3D-750-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7
2.5°	1920.2	1895.4	1870.6	1844.9	1820.1	1762.1	1704.2	1646.3	1588.3	1631.4	1673.6
5°	2003.8	1955.8	1907.0	1859.0	1810.1	1788.6	1767.9	1746.4	1724.9	1728.2	1732.3
7.5°	1497.3	1465.8	1434.4	1402.1	1370.6	1364.0	1358.2	1351.6	1345.0	1359.1	1372.3
10°	1263.0	1219.2	1174.5	1130.6	1085.9	1061.9	1037.9	1013.9	989.9	987.4	984.1
12.5°	1191.0	1124.0	1057.8	990.7	923.7	871.6	819.4	767.3	715.1	719.3	723.4
15°	914.6	847.6	781.3	714.3	647.3	605.0	562.0	519.8	476.7	464.3	451.9
17.5°	574.4	524.8	475.1	424.6	374.9	360.9	347.6	333.6	319.5	315.3	311.2
20°	358.4	336.9	315.3	293.0	271.5	268.2	264.9	261.5	258.2	260.7	263.2
22.5°	278.9	269.8	259.9	250.8	240.9	237.5	234.2	230.9	227.6	230.1	231.8
25°	248.3	241.7	235.1	228.4	221.8	218.5	214.4	211.1	206.9	208.6	211.1
27.5°	230.9	225.1	219.3	213.5	207.7	202.0	197.0	191.2	185.4	188.7	191.2
30°	215.2	208.6	202.8	196.2	189.5	183.7	178.0	171.3	165.5	168.8	172.2
32.5°	193.7	187.9	181.3	175.5	168.8	165.5	162.2	158.1	154.8	157.3	158.9
35°	171.3	166.4	162.2	157.3	152.3	149.0	146.5	143.2	139.9	140.7	142.4
37.5°	160.6	154.8	149.0	143.2	137.4	135.7	134.1	131.6	129.9	129.9	129.9
40°	149.8	144.0	138.2	131.6	125.8	123.3	120.8	118.4	115.9	115.9	115.9
42.5°	137.4	131.6	125.8	120.0	114.2	111.7	108.4	105.9	102.6	102.6	102.6
45°	127.5	121.7	116.7	110.9	105.1	101.0	96.8	91.9	87.7	86.9	86.1
47.5°	124.2	115.9	107.6	99.3	91.0	86.9	82.8	77.8	73.7	72.8	72.0
50°	142.4	125.8	109.3	92.7	76.1	72.8	69.5	66.2	62.9	61.2	60.4
52.5°	134.9	117.5	100.1	82.8	65.4	62.9	60.4	57.9	55.5	53.8	52.1
55°	86.9	79.5	72.8	65.4	57.9	56.3	54.6	52.1	50.5	48.8	47.2
57.5°	69.5	65.4	62.1	57.9	53.8	52.1	50.5	48.0	46.4	43.9	42.2
60°	62.9	59.6	56.3	53.0	49.7	48.0	46.4	44.7	43.0	40.6	38.9
62.5°	57.1	54.6	52.1	49.7	47.2	45.5	43.9	42.2	40.6	38.1	35.6
65°	51.3	49.7	48.0	46.4	44.7	43.0	41.4	38.9	37.2	34.8	32.3
67.5°	47.2	46.4	45.5	44.7	43.9	42.2	39.7	38.1	35.6	33.1	29.8
70°	44.7	44.7	44.7	43.9	43.9	42.2	39.7	38.1	35.6	32.3	29.8
72.5°	42.2	43.0	43.9	43.9	44.7	42.2	39.7	37.2	34.8	31.5	29.0
75°	40.6	41.4	42.2	42.2	43.0	41.4	39.7	37.2	35.6	32.3	29.0
77.5°	41.4	42.2	42.2	43.0	43.0	41.4	39.7	37.2	35.6	31.5	27.3
80°	41.4	40.6	39.7	38.1	37.2	33.9	30.6	26.5	23.2	18.2	14.1
82.5°	32.3	30.6	29.8	28.1	26.5	23.2	19.9	16.6	13.2	9.9	6.6
85°	25.7	24.0	23.2	21.5	19.9	17.4	14.1	11.6	8.3	6.6	4.1
87.5°	13.2	12.4	10.8	9.9	8.3	6.6	4.1	2.5	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: P368129
 CATALOG NUMBER: MSA-SA3D-750-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: P368129

CATALOG NUMBER: MSA-SA3D-750-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7
2.5°	1716.6	1758.8	1753.0	1747.2	1774.6	1801.9	1782.0	1763.0	1743.1	1723.2	1681.9
5°	1735.7	1739.0	1733.2	1726.6	1727.4	1728.2	1715.0	1701.7	1688.5	1675.2	1672.8
7.5°	1386.4	1399.6	1417.8	1435.2	1436.0	1436.0	1426.1	1416.2	1405.4	1395.5	1400.4
10°	981.6	978.3	983.3	988.3	987.4	985.8	1012.3	1038.7	1064.4	1090.9	1071.9
12.5°	726.7	730.8	710.2	689.5	696.9	703.5	707.7	711.8	715.9	720.1	731.7
15°	439.5	427.1	412.2	397.3	404.7	411.4	418.8	425.4	432.9	439.5	447.0
17.5°	306.2	302.1	295.5	288.0	288.9	289.7	290.5	291.3	291.3	292.2	293.8
20°	265.7	268.2	263.2	257.4	255.8	253.3	251.6	250.0	247.5	245.8	243.3
22.5°	234.2	235.9	236.7	236.7	233.4	229.3	226.0	223.5	220.2	216.9	215.2
25°	212.7	214.4	212.7	210.2	208.6	206.9	205.3	202.8	201.1	198.6	197.8
27.5°	194.5	197.0	197.0	196.2	194.5	192.0	187.9	184.6	180.4	176.3	177.1
30°	175.5	178.8	178.8	178.0	177.1	176.3	172.2	168.0	163.9	159.7	161.4
32.5°	161.4	163.1	162.2	161.4	161.4	160.6	157.3	154.8	151.5	148.2	148.2
35°	143.2	144.0	144.0	144.0	144.0	143.2	140.7	138.2	135.7	133.3	134.1
37.5°	129.9	129.9	132.4	134.1	132.4	130.8	129.1	126.6	125.0	122.5	122.5
40°	115.0	115.0	117.5	119.2	117.5	115.9	115.0	113.4	112.6	110.9	110.9
42.5°	101.8	101.8	104.3	105.9	105.9	105.1	103.5	101.8	100.1	98.5	99.3
45°	85.3	84.4	88.6	91.9	90.2	88.6	88.6	87.7	87.7	86.9	87.7
47.5°	70.4	69.5	72.8	76.1	75.3	73.7	73.7	73.7	73.7	73.7	74.5
50°	58.8	57.1	60.4	62.9	62.1	60.4	60.4	61.2	61.2	61.2	62.1
52.5°	50.5	48.8	51.3	53.0	52.1	51.3	51.3	52.1	52.1	52.1	53.0
55°	44.7	43.0	45.5	47.2	46.4	44.7	45.5	45.5	46.4	46.4	46.4
57.5°	39.7	37.2	38.9	40.6	40.6	39.7	40.6	40.6	41.4	41.4	41.4
60°	36.4	33.9	35.6	36.4	36.4	35.6	36.4	36.4	37.2	37.2	37.2
62.5°	32.3	29.8	31.5	32.3	32.3	31.5	32.3	32.3	33.1	33.1	33.1
65°	29.0	26.5	27.3	28.1	28.1	28.1	29.0	29.0	29.8	29.8	29.8
67.5°	27.3	24.0	24.8	25.7	25.7	25.7	26.5	26.5	27.3	27.3	28.1
70°	26.5	23.2	24.0	24.0	24.8	24.8	24.8	25.7	25.7	25.7	25.7
72.5°	25.7	22.3	22.3	22.3	23.2	23.2	23.2	24.0	24.0	24.0	24.0
75°	25.7	22.3	21.5	20.7	21.5	21.5	21.5	22.3	22.3	22.3	22.3
77.5°	22.3	18.2	16.6	14.1	16.6	18.2	19.0	19.0	19.9	19.9	19.9
80°	9.1	4.1	2.5	0.0	0.8	1.7	2.5	3.3	4.1	5.0	5.8
82.5°	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.5	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: P368129

CATALOG NUMBER: MSA-SA3D-750-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: P368129

CATALOG NUMBER: MSA-SA3D-750-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7
2.5°	1640.5	1599.1	1557.7	1577.6	1597.4	1617.3	1637.2	1635.5	1633.0	1631.4	1628.9
5°	1671.1	1668.6	1666.1	1654.5	1643.8	1632.2	1620.6	1618.1	1614.8	1612.3	1609.0
7.5°	1405.4	1409.5	1414.5	1401.3	1388.0	1374.8	1361.5	1327.6	1293.7	1258.9	1225.0
10°	1052.8	1033.0	1013.9	1012.3	1010.6	1008.9	1007.3	1004.0	1000.7	996.5	993.2
12.5°	744.1	755.7	767.3	763.1	759.0	754.0	749.9	755.7	762.3	768.1	773.9
15°	453.6	461.0	467.6	482.5	497.4	512.3	527.2	533.0	539.7	545.4	551.2
17.5°	295.5	296.3	298.0	314.5	330.2	346.8	362.5	373.3	384.0	394.0	404.7
20°	240.9	238.4	235.9	245.0	254.1	263.2	272.3	282.2	292.2	302.1	312.0
22.5°	214.4	212.7	211.1	214.4	217.7	220.2	223.5	230.9	239.2	246.7	254.1
25°	197.0	195.3	194.5	196.2	197.8	199.5	201.1	205.3	209.4	213.5	217.7
27.5°	177.1	178.0	178.0	179.6	180.4	182.1	182.9	184.6	187.1	188.7	190.4
30°	162.2	163.9	164.7	166.4	167.2	168.8	169.7	168.8	168.0	167.2	166.4
32.5°	148.2	147.3	147.3	149.0	149.8	151.5	152.3	153.9	155.6	156.4	158.1
35°	134.1	134.9	134.9	134.9	135.7	135.7	135.7	137.4	139.9	141.5	143.2
37.5°	121.7	121.7	120.8	123.3	125.0	127.5	129.1	130.8	133.3	134.9	136.6
40°	110.9	110.9	110.9	112.6	114.2	115.0	116.7	120.8	125.0	129.1	133.3
42.5°	99.3	100.1	100.1	101.8	103.5	104.3	105.9	109.3	111.7	115.0	117.5
45°	88.6	89.4	90.2	91.9	92.7	94.4	95.2	96.8	97.7	99.3	100.1
47.5°	76.1	77.0	77.8	79.5	80.3	81.9	82.8	81.9	81.9	81.1	80.3
50°	63.7	64.6	65.4	67.9	69.5	72.0	73.7	72.0	70.4	67.9	66.2
52.5°	53.8	53.8	54.6	56.3	57.9	58.8	60.4	59.6	58.8	57.9	57.1
55°	46.4	46.4	46.4	47.2	48.0	48.8	49.7	50.5	50.5	51.3	51.3
57.5°	41.4	40.6	40.6	41.4	42.2	42.2	43.0	43.9	43.9	44.7	44.7
60°	37.2	36.4	36.4	37.2	38.1	38.9	39.7	39.7	39.7	38.9	38.9
62.5°	33.1	33.1	33.1	33.9	33.9	34.8	34.8	34.8	35.6	35.6	35.6
65°	30.6	30.6	30.6	30.6	30.6	29.8	29.8	30.6	30.6	31.5	31.5
67.5°	28.1	29.0	29.0	28.1	27.3	26.5	25.7	26.5	26.5	27.3	27.3
70°	25.7	25.7	25.7	24.8	24.0	23.2	22.3	22.3	22.3	21.5	21.5
72.5°	24.0	23.2	23.2	22.3	20.7	19.9	18.2	17.4	17.4	16.6	15.7
75°	22.3	21.5	21.5	19.9	18.2	16.6	14.9	14.1	12.4	11.6	9.9
77.5°	19.9	19.9	19.9	17.4	15.7	13.2	10.8	9.1	7.4	5.0	3.3
80°	6.6	7.4	8.3	7.4	7.4	6.6	5.8	4.1	3.3	1.7	0.0
82.5°	0.8	0.8	0.8	0.8	0.8	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: P368129

CATALOG NUMBER: MSA-SA3D-750-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: P368129

CATALOG NUMBER: MSA-SA3D-750-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7
2.5°	1638.0	1647.1	1656.2	1665.3	1666.1	1667.0	1667.8	1668.6	1647.9	1626.4	1605.7
5°	1625.6	1643.0	1659.5	1676.1	1667.0	1657.9	1648.8	1639.6	1638.8	1638.8	1638.0
7.5°	1227.5	1229.1	1231.6	1233.3	1236.6	1239.9	1242.4	1245.7	1258.9	1272.2	1284.6
10°	982.5	971.7	960.1	949.4	941.1	932.0	923.7	914.6	921.2	928.7	935.3
12.5°	764.8	755.7	745.7	736.6	733.3	730.0	725.9	722.6	744.1	765.6	786.3
15°	549.6	547.9	545.4	543.8	554.5	565.3	576.1	586.8	605.0	622.4	640.6
17.5°	408.9	413.0	417.2	421.3	427.9	434.5	440.3	447.0	460.2	474.3	487.5
20°	317.0	322.8	327.8	332.7	331.1	329.4	326.9	325.3	336.0	346.8	356.7
22.5°	259.1	263.2	268.2	272.3	273.1	274.0	274.8	275.6	282.2	288.0	294.7
25°	221.8	226.8	230.9	235.1	235.9	236.7	237.5	238.4	246.7	254.9	262.4
27.5°	196.2	201.1	206.9	211.9	213.5	215.2	216.9	218.5	223.5	227.6	232.6
30°	173.0	179.6	186.2	192.9	195.3	197.8	200.3	202.8	207.7	213.5	218.5
32.5°	161.4	165.5	168.8	172.2	178.0	182.9	188.7	193.7	199.5	206.1	211.9
35°	148.2	152.3	157.3	161.4	165.5	169.7	173.0	177.1	180.4	183.7	186.2
37.5°	139.9	144.0	147.3	150.6	152.3	153.9	154.8	156.4	158.1	159.7	160.6
40°	133.3	132.4	132.4	131.6	133.3	135.7	137.4	139.1	144.0	148.2	153.1
42.5°	115.9	113.4	111.7	109.3	113.4	116.7	120.8	124.2	130.8	137.4	144.0
45°	98.5	96.8	94.4	92.7	98.5	104.3	110.1	115.9	123.3	129.9	137.4
47.5°	81.1	81.9	81.9	82.8	88.6	94.4	99.3	105.1	112.6	120.0	127.5
50°	67.9	69.5	71.2	72.8	78.6	83.6	89.4	94.4	102.6	110.1	118.4
52.5°	59.6	62.1	63.7	66.2	71.2	77.0	81.9	86.9	94.4	101.8	109.3
55°	53.8	57.1	59.6	62.1	66.2	70.4	74.5	78.6	86.1	93.5	100.1
57.5°	47.2	49.7	52.1	54.6	58.8	62.9	66.2	70.4	77.0	84.4	91.0
60°	41.4	43.0	45.5	47.2	50.5	54.6	57.9	61.2	67.9	74.5	80.3
62.5°	36.4	38.1	38.9	39.7	43.0	46.4	49.7	53.0	58.8	65.4	71.2
65°	32.3	33.1	33.1	33.9	36.4	39.7	42.2	44.7	51.3	57.1	63.7
67.5°	27.3	28.1	28.1	28.1	30.6	33.1	35.6	38.1	43.9	50.5	56.3
70°	21.5	22.3	22.3	22.3	24.8	28.1	30.6	33.1	38.1	43.0	48.0
72.5°	16.6	16.6	17.4	17.4	19.9	23.2	25.7	28.1	32.3	36.4	40.6
75°	10.8	11.6	11.6	12.4	14.9	18.2	20.7	23.2	27.3	31.5	34.8
77.5°	4.1	5.8	6.6	7.4	9.9	12.4	14.9	17.4	20.7	24.8	28.1
80°	0.0	0.8	0.8	0.8	2.5	3.3	5.0	5.8	8.3	11.6	14.1
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P368129

CATALOG NUMBER: MSA-SA3D-750-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: P368129

CATALOG NUMBER: MSA-SA3D-750-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7
2.5°	1584.2	1629.7	1675.2	1720.8	1766.3	1822.6	1878.8	1887.1	1895.4	1885.5	1876.4
5°	1637.2	1659.5	1681.0	1703.4	1724.9	1789.5	1853.2	1854.0	1854.0	1854.8	1854.8
7.5°	1297.8	1316.8	1335.9	1354.1	1373.1	1415.3	1457.6	1473.3	1488.2	1484.9	1481.6
10°	941.9	966.7	990.7	1015.6	1039.6	1078.5	1117.4	1132.3	1146.3	1191.9	1238.2
12.5°	807.8	831.8	855.8	879.0	903.0	942.7	982.5	1011.4	1039.6	1067.7	1095.9
15°	658.0	677.0	696.9	715.9	735.0	753.2	771.4	807.0	841.8	869.9	898.0
17.5°	500.7	509.0	516.5	524.8	532.2	540.5	548.8	563.7	577.7	602.6	626.6
20°	367.5	374.1	380.7	386.5	393.2	401.4	409.7	420.5	430.4	436.2	441.2
22.5°	300.4	310.4	320.3	329.4	339.4	345.1	350.9	354.2	357.6	360.0	362.5
25°	270.7	279.8	288.0	297.1	305.4	307.9	310.4	317.0	323.6	323.6	323.6
27.5°	236.7	249.1	262.4	274.8	287.2	290.5	293.0	295.5	297.1	293.8	289.7
30°	223.5	235.9	248.3	259.9	272.3	277.3	281.4	283.9	286.4	282.2	278.1
32.5°	217.7	229.3	240.0	251.6	262.4	269.0	274.8	281.4	287.2	288.0	289.7
35°	189.5	197.0	205.3	212.7	220.2	223.5	226.8	229.3	230.9	230.9	230.9
37.5°	162.2	172.2	182.9	192.9	202.8	210.2	217.7	218.5	218.5	220.2	222.6
40°	157.3	167.2	177.1	186.2	196.2	204.4	211.9	212.7	213.5	215.2	216.9
42.5°	150.6	161.4	172.2	182.9	193.7	202.0	209.4	209.4	208.6	211.1	212.7
45°	144.0	154.8	164.7	175.5	185.4	196.2	206.1	203.6	200.3	204.4	207.7
47.5°	134.9	146.5	158.1	168.8	180.4	190.4	199.5	197.8	195.3	199.5	203.6
50°	125.8	137.4	149.0	160.6	172.2	182.9	192.9	191.2	189.5	194.5	198.6
52.5°	116.7	128.3	140.7	152.3	163.9	173.0	181.3	180.4	179.6	184.6	190.4
55°	107.6	118.4	129.9	140.7	151.5	161.4	170.5	168.8	167.2	171.3	175.5
57.5°	97.7	108.4	118.4	129.1	139.1	147.3	154.8	152.3	149.8	154.8	159.7
60°	86.9	96.8	106.8	115.9	125.8	132.4	138.2	136.6	134.1	139.1	144.0
62.5°	77.0	86.1	95.2	103.5	112.6	117.5	122.5	120.8	119.2	124.2	129.9
65°	69.5	77.0	83.6	91.0	97.7	102.6	107.6	105.1	102.6	108.4	113.4
67.5°	62.1	67.9	74.5	80.3	86.1	90.2	94.4	92.7	90.2	94.4	98.5
70°	53.0	58.8	64.6	69.5	75.3	79.5	83.6	81.1	77.8	81.9	86.1
72.5°	44.7	49.7	54.6	58.8	63.7	67.0	70.4	67.9	65.4	68.7	72.0
75°	38.9	43.0	47.2	50.5	54.6	56.3	57.9	57.1	55.5	58.8	61.2
77.5°	31.5	34.8	38.9	42.2	45.5	45.5	45.5	46.4	46.4	49.7	53.8
80°	16.6	19.9	23.2	25.7	29.0	29.0	28.1	29.8	30.6	34.8	38.9
82.5°	0.0	2.5	5.0	7.4	9.9	9.1	7.4	8.3	8.3	9.9	11.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.7
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: P368129

CATALOG NUMBER: MSA-SA3D-750-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: P368129

CATALOG NUMBER: MSA-SA3D-750-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7
2.5°	1866.4	1856.5	1849.9	1844.1	1837.5	1830.8	1839.1	1847.4	1854.8	1863.1	1888.0
5°	1855.7	1855.7	1849.9	1844.1	1838.3	1832.5	1844.9	1856.5	1868.9	1880.5	1879.7
7.5°	1477.4	1474.1	1508.9	1542.8	1577.6	1611.5	1620.6	1629.7	1638.0	1647.1	1644.6
10°	1283.7	1329.3	1344.2	1359.1	1374.0	1388.9	1407.1	1425.3	1443.5	1461.7	1468.3
12.5°	1124.0	1152.1	1200.1	1247.3	1295.3	1342.5	1366.5	1391.3	1415.3	1439.3	1486.5
15°	926.2	954.3	995.7	1037.1	1078.5	1119.9	1157.9	1196.8	1234.9	1273.0	1330.1
17.5°	651.4	675.4	706.8	738.3	768.9	800.4	859.1	917.9	976.7	1035.4	1095.9
20°	447.0	451.9	466.8	482.5	497.4	512.3	565.3	619.1	672.1	725.1	804.5
22.5°	364.2	366.7	374.1	381.6	388.2	395.6	422.9	451.1	478.4	505.7	570.3
25°	322.8	322.8	327.8	332.7	337.7	342.7	357.6	372.5	386.5	401.4	442.8
27.5°	286.4	282.2	289.7	297.1	304.6	312.0	322.8	334.4	345.1	355.9	384.0
30°	274.0	269.8	278.9	288.0	297.1	306.2	317.0	327.8	337.7	348.5	367.5
32.5°	290.5	291.3	294.7	298.0	300.4	303.8	308.7	314.5	319.5	324.5	341.0
35°	230.9	230.9	236.7	242.5	247.5	253.3	262.4	271.5	280.6	289.7	307.1
37.5°	224.3	226.0	230.9	236.7	241.7	246.7	258.2	270.7	282.2	293.8	307.9
40°	217.7	219.3	226.0	232.6	239.2	245.8	257.4	268.2	279.8	290.5	303.8
42.5°	215.2	216.9	225.1	234.2	242.5	250.8	260.7	270.7	279.8	289.7	307.9
45°	211.9	215.2	225.1	235.9	245.8	255.8	264.9	274.0	283.1	292.2	314.5
47.5°	206.9	211.1	222.6	233.4	245.0	255.8	273.1	291.3	308.7	326.1	336.9
50°	203.6	207.7	220.2	232.6	245.0	257.4	285.6	313.7	341.0	369.1	363.4
52.5°	195.3	200.3	216.0	231.8	247.5	263.2	288.0	312.9	337.7	362.5	350.9
55°	179.6	183.7	202.0	220.2	237.5	255.8	274.0	292.2	309.6	327.8	314.5
57.5°	163.9	168.8	186.2	203.6	220.2	237.5	246.7	255.8	264.9	274.0	269.0
60°	149.0	153.9	177.1	200.3	223.5	246.7	238.4	230.1	221.0	212.7	218.5
62.5°	134.9	139.9	162.2	183.7	206.1	227.6	216.0	204.4	192.9	181.3	190.4
65°	119.2	124.2	132.4	141.5	149.8	158.1	157.3	155.6	154.8	153.1	163.1
67.5°	102.6	106.8	110.9	115.9	120.0	124.2	126.6	129.9	132.4	134.9	143.2
70°	89.4	93.5	98.5	102.6	107.6	111.7	113.4	115.0	115.9	117.5	125.0
72.5°	74.5	77.8	84.4	91.0	96.8	103.5	104.3	104.3	105.1	105.1	110.9
75°	64.6	67.0	72.0	77.0	81.1	86.1	88.6	91.0	92.7	95.2	98.5
77.5°	57.1	60.4	62.1	62.9	64.6	65.4	67.0	68.7	70.4	72.0	72.8
80°	42.2	46.4	48.0	48.8	50.5	51.3	51.3	50.5	50.5	49.7	50.5
82.5°	13.2	14.9	17.4	19.9	22.3	24.8	25.7	26.5	26.5	27.3	26.5
85°	2.5	3.3	5.0	6.6	7.4	9.1	8.3	6.6	5.8	4.1	3.3
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: P368129

CATALOG NUMBER: MSA-SA3D-750-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: P368129

CATALOG NUMBER: MSA-SA3D-750-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7
2.5°	1912.8	1936.8	1961.6	1951.7	1941.8	1931.8	1921.9	1923.5	1926.0	1927.7	1929.3
5°	1878.8	1877.2	1876.4	1904.5	1933.5	1961.6	1989.8	2020.4	2051.8	2082.5	2113.1
7.5°	1642.1	1638.8	1636.3	1672.8	1709.2	1745.6	1782.0	1824.2	1867.3	1909.5	1951.7
10°	1474.9	1481.6	1488.2	1503.1	1518.8	1533.7	1548.6	1589.2	1629.7	1669.4	1710.0
12.5°	1533.7	1580.1	1627.2	1636.3	1644.6	1653.7	1662.0	1667.8	1673.6	1679.4	1685.2
15°	1388.0	1445.1	1502.2	1526.3	1549.4	1573.4	1596.6	1657.9	1718.3	1779.5	1839.9
17.5°	1156.3	1215.9	1276.3	1348.3	1420.3	1492.3	1564.3	1630.5	1696.8	1763.0	1829.2
20°	884.8	964.3	1043.7	1134.8	1226.6	1317.7	1408.7	1474.9	1540.3	1606.5	1671.9
22.5°	635.7	700.2	764.8	874.9	984.1	1094.2	1203.5	1318.5	1434.4	1549.4	1664.5
25°	484.2	524.8	566.1	674.6	783.0	890.6	999.0	1157.1	1315.2	1473.3	1631.4
27.5°	411.4	439.5	466.8	564.5	662.1	759.0	856.7	1044.5	1232.4	1420.3	1608.2
30°	387.4	406.4	425.4	508.2	591.8	674.6	757.3	947.7	1138.1	1328.4	1518.8
32.5°	357.6	373.3	389.8	462.7	535.5	607.5	680.4	866.6	1052.8	1238.2	1424.4
35°	323.6	341.0	357.6	430.4	503.2	575.2	648.1	840.9	1033.8	1226.6	1419.5
37.5°	321.1	335.2	348.5	432.9	518.1	602.6	687.0	879.8	1072.7	1264.7	1457.6
40°	317.8	331.1	344.3	430.4	515.6	601.7	687.0	888.9	1090.9	1292.8	1494.8
42.5°	326.1	343.5	361.7	437.8	514.0	589.3	665.5	878.2	1090.9	1302.8	1515.5
45°	337.7	360.0	382.4	451.9	521.4	591.0	660.5	891.4	1122.3	1352.4	1583.4
47.5°	348.5	359.2	370.0	436.2	501.6	567.8	633.2	869.1	1105.0	1340.9	1576.7
50°	358.4	352.6	346.8	419.6	492.5	564.5	637.3	862.4	1086.8	1311.9	1536.2
52.5°	338.5	326.9	314.5	392.3	470.1	547.1	624.9	851.7	1078.5	1305.3	1532.0
55°	301.3	288.0	274.8	351.8	427.9	504.9	581.0	807.0	1033.0	1258.9	1484.9
57.5°	263.2	258.2	252.4	311.2	370.0	427.9	486.7	737.5	989.1	1239.9	1490.7
60°	224.3	229.3	235.1	277.3	319.5	360.9	403.1	648.9	893.9	1139.7	1384.7
62.5°	198.6	207.7	216.0	251.6	288.0	323.6	359.2	591.0	822.7	1054.5	1286.2
65°	173.8	183.7	193.7	235.9	278.9	321.1	363.4	559.5	755.7	951.8	1148.0
67.5°	151.5	158.9	167.2	222.6	278.1	333.6	389.0	549.6	709.3	869.9	1029.6
70°	132.4	139.1	146.5	211.1	275.6	340.2	404.7	541.3	678.7	815.3	951.8
72.5°	116.7	122.5	128.3	193.7	259.1	324.5	389.8	511.5	632.4	754.0	874.9
75°	101.8	104.3	107.6	163.1	217.7	273.1	327.8	408.9	490.8	571.9	653.0
77.5°	73.7	73.7	74.5	91.0	106.8	123.3	139.1	189.5	240.0	289.7	340.2
80°	50.5	51.3	51.3	57.9	63.7	70.4	76.1	86.9	96.8	107.6	117.5
82.5°	25.7	24.0	23.2	29.8	36.4	43.0	49.7	52.1	53.8	56.3	57.9
85°	2.5	0.8	0.0	4.1	8.3	12.4	16.6	19.9	23.2	26.5	29.8
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: P368129

CATALOG NUMBER: MSA-SA3D-750-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: P368129

CATALOG NUMBER: MSA-SA3D-750-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7
2.5°	1922.7	1916.1	1909.5	1902.8	1943.4	1984.8	2025.3	2065.9	2181.0	2256.3	2248.0
5°	2142.9	2172.7	2202.5	2232.3	2280.3	2329.1	2377.1	2425.1	2595.6	2699.9	2714.8
7.5°	1998.0	2043.6	2089.9	2135.4	2228.1	2320.0	2412.7	2504.6	2644.5	2752.9	2814.1
10°	1762.1	1814.3	1865.6	1917.7	2022.0	2127.2	2231.4	2335.7	2493.0	2642.8	2719.8
12.5°	1767.1	1849.1	1931.0	2012.9	2104.0	2195.0	2285.2	2376.3	2472.3	2522.8	2631.2
15°	1904.5	1969.1	2033.6	2098.2	2217.4	2336.6	2454.9	2574.1	2631.2	2752.9	2879.5
17.5°	1955.0	2081.6	2207.4	2333.2	2482.2	2630.4	2779.4	2927.5	3035.1	3204.0	3334.7
20°	1861.5	2051.0	2239.7	2429.3	2633.7	2838.1	3042.6	3247.0	3364.5	3525.1	3727.1
22.5°	1865.6	2066.7	2267.0	2468.2	2750.4	3031.8	3314.1	3595.5	3910.8	4220.4	4318.9
25°	1894.6	2157.8	2420.2	2683.4	3009.5	3335.6	3661.7	3987.8	4368.5	4693.8	4824.6
27.5°	1904.5	2200.8	2496.3	2792.6	3256.1	3719.6	4183.1	4646.6	5101.0	5468.5	5608.4
30°	1880.5	2243.0	2604.7	2966.4	3535.0	4103.7	4672.3	5240.9	5672.1	6100.0	6273.9
32.5°	1886.3	2348.1	2810.0	3271.8	3941.4	4611.9	5281.5	5951.1	6226.7	6612.4	6918.6
35°	1926.0	2432.6	2938.3	3444.8	4185.6	4926.4	5667.2	6407.9	6859.9	7267.1	7527.0
37.5°	2018.7	2579.9	3140.2	3701.4	4611.9	5523.1	6433.6	7344.1	8043.5	8742.8	8862.0
40°	2087.4	2680.0	3272.7	3865.3	4922.2	5979.2	7036.2	8093.1	8884.4	9643.4	9724.5
42.5°	2165.2	2814.1	3463.9	4112.8	5294.7	6476.6	7658.6	8840.5	9756.8	10530.6	10584.4
45°	2250.5	2918.4	3585.5	4252.7	5490.9	6728.3	7966.5	9203.9	10274.1	11172.9	10970.1
47.5°	2291.0	3005.3	3719.6	4433.9	5761.5	7088.3	8415.9	9742.7	10702.8	11495.7	11259.0
50°	2322.5	3108.0	3894.3	4679.7	6071.9	7464.1	8856.2	10248.4	11211.0	11942.7	11571.9
52.5°	2411.0	3289.2	4168.2	5046.4	6527.1	8007.0	9487.8	10967.7	11898.8	12570.9	12051.1
55°	2497.1	3508.6	4520.8	5532.3	7124.7	8718.0	10310.5	11903.0	12830.0	13406.0	12700.0
57.5°	2605.6	3721.3	4836.2	5951.1	7654.4	9357.8	11060.4	12763.7	13670.1	14306.6	13573.2
60°	2577.4	3769.3	4962.0	6153.8	7888.7	9623.5	11358.3	13093.2	14170.0	14952.1	14454.7
62.5°	2468.2	3650.1	4831.2	6013.1	7717.3	9420.7	11124.9	12828.3	14118.7	15178.1	15010.9
65°	2247.2	3345.5	4444.7	5543.0	7170.2	8798.3	10425.5	12052.8	13645.2	14993.5	15053.1
67.5°	1956.6	2883.7	3809.8	4736.8	6254.8	7772.8	9289.9	10807.9	12687.6	14260.2	14437.3
70°	1648.8	2344.8	3041.7	3737.8	5073.7	6409.6	7744.7	9080.5	11034.7	12617.2	12951.6
72.5°	1321.8	1769.6	2216.5	2663.5	3627.7	4591.2	5555.4	6518.9	8238.0	9466.2	10049.8
75°	856.7	1060.3	1263.9	1467.5	2109.8	2751.2	3393.5	4035.0	5176.3	6081.0	6740.7
77.5°	381.6	422.9	463.5	504.9	1000.7	1496.5	1992.2	2488.0	2983.8	3530.1	3684.9
80°	136.6	154.8	173.8	192.0	435.4	679.5	922.9	1166.2	1406.2	1688.5	1757.2
82.5°	57.1	57.1	56.3	55.5	142.4	229.3	316.2	403.1	466.0	535.5	548.8
85°	23.2	17.4	10.8	4.1	18.2	33.1	47.2	61.2	98.5	89.4	165.5
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: P368129
 CATALOG NUMBER: MSA-SA3D-750-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: P368129

CATALOG NUMBER: MSA-SA3D-750-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7
2.5°	2216.5	2214.9	2213.2	2211.6	2209.9	2180.1	2151.2	2121.4	2092.4	2128.8	2165.2
5°	2690.8	2733.8	2776.9	2820.8	2863.8	2876.2	2888.6	2901.0	2913.5	2939.9	2966.4
7.5°	2865.4	2938.3	3010.3	3083.1	3155.1	3222.2	3288.4	3355.4	3422.5	3405.9	3389.4
10°	2805.0	2936.6	3068.2	3200.7	3332.3	3361.2	3390.2	3420.0	3449.0	3524.3	3599.6
12.5°	2739.6	2897.7	3055.8	3213.9	3372.0	3459.7	3546.6	3634.4	3722.1	3798.3	3874.4
15°	3050.0	3151.0	3252.0	3353.8	3454.8	3531.7	3607.9	3684.9	3761.0	3814.0	3866.1
17.5°	3458.1	3507.7	3557.4	3607.9	3657.5	3718.0	3778.4	3838.8	3899.2	3930.7	3962.1
20°	3889.3	3910.8	3932.3	3953.9	3975.4	3927.4	3879.4	3831.4	3783.4	3813.1	3842.1
22.5°	4322.2	4329.6	4337.9	4345.4	4352.8	4241.1	4129.3	4017.6	3905.8	3858.7	3811.5
25°	4988.5	4933.8	4879.2	4824.6	4770.0	4637.5	4505.1	4372.7	4240.2	4123.5	4006.8
27.5°	5710.2	5524.8	5340.2	5154.8	4970.3	4837.8	4705.4	4573.0	4440.5	4265.1	4089.6
30°	6437.7	6138.9	5841.0	5542.2	5244.2	5087.0	4929.7	4771.6	4614.3	4438.9	4264.2
32.5°	7104.9	6745.6	6386.4	6026.4	5667.2	5402.3	5137.4	4872.6	4607.7	4485.2	4362.7
35°	7657.8	7233.1	6808.5	6383.1	5958.5	5696.1	5433.8	5171.4	4909.0	4726.9	4545.7
37.5°	8603.0	8125.4	7647.8	7170.2	6692.7	6334.3	5976.7	5618.3	5259.9	5138.3	5016.6
40°	9474.5	8872.8	8271.1	7669.3	7067.6	6767.2	6467.5	6167.1	5867.5	5668.0	5469.3
42.5°	10167.3	9533.3	8900.1	8266.1	7632.1	7335.0	7038.6	6741.5	6444.4	6311.1	6178.7
45°	10317.1	9719.5	9122.8	8525.2	7927.6	7754.6	7582.4	7409.4	7237.3	7145.4	7054.4
47.5°	10612.6	9964.5	9317.3	8669.2	8021.1	7943.3	7865.5	7786.9	7709.1	7752.9	7796.8
50°	10778.1	10116.8	9455.5	8794.2	8132.8	8155.2	8176.7	8199.1	8221.4	8532.6	8843.0
52.5°	11099.3	10431.3	9763.4	9095.4	8427.5	8568.2	8708.1	8848.8	8988.7	9417.4	9845.3
55°	11672.9	11016.5	10360.1	9703.0	9046.6	9232.0	9417.4	9603.6	9789.0	10244.3	10698.7
57.5°	12522.9	11871.5	11220.9	10569.5	9919.0	10103.6	10288.1	10472.7	10657.3	11068.6	11479.2
60°	13593.1	12924.3	12256.4	11587.6	10919.7	10989.2	11057.9	11127.4	11196.9	11638.9	12080.1
62.5°	14426.6	13811.6	13197.5	12582.5	11968.3	11891.4	11815.2	11738.2	11662.1	11998.1	12333.3
65°	14620.2	14187.4	13755.3	13322.4	12889.6	12652.8	12416.9	12180.2	11943.5	12079.2	12215.0
67.5°	14065.7	13773.5	13482.2	13190.0	12897.8	12403.7	11909.6	11414.6	10920.5	10848.5	10776.5
70°	12778.6	12618.9	12460.0	12300.2	12141.3	11379.9	10619.2	9857.7	9097.1	8914.2	8731.3
72.5°	10083.7	10183.0	10282.3	10382.5	10481.8	9666.5	8852.1	8036.8	7221.6	6989.8	6758.9
75°	7110.6	7447.5	7784.4	8121.3	8458.1	7714.9	6972.4	6229.2	5485.9	5263.3	5041.4
77.5°	3855.4	4486.9	5118.4	5749.9	6381.5	5768.1	5155.7	4542.3	3929.0	3774.2	3620.3
80°	1827.5	2191.7	2555.1	2919.2	3283.4	3145.2	3007.0	2867.9	2729.7	2763.6	2797.6
82.5°	560.3	823.5	1086.8	1350.0	1613.2	1633.9	1653.7	1674.4	1695.1	1746.4	1796.9
85°	187.9	257.4	326.9	396.5	466.0	588.5	711.0	834.3	956.8	877.3	798.7
87.5°	0.0	2.5	4.1	6.6	8.3	25.7	43.0	60.4	77.8	67.0	57.1
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: P368129

CATALOG NUMBER: MSA-SA3D-750-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: P368129

CATALOG NUMBER: MSA-SA3D-750-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7
2.5°	2202.5	2238.9	2239.7	2241.4	2242.2	2243.0	2247.2	2251.3	2256.3	2260.4	2233.1
5°	2993.7	3020.2	2971.4	2922.6	2872.9	2824.1	2867.9	2911.8	2955.7	2999.5	2980.5
7.5°	3372.0	3355.4	3349.6	3344.7	3338.9	3333.9	3350.5	3367.0	3383.6	3400.1	3398.5
10°	3674.9	3750.2	3768.5	3786.7	3805.7	3823.9	3785.8	3747.8	3709.7	3671.6	3655.9
12.5°	3950.5	4026.7	4087.1	4147.5	4208.8	4269.2	4214.6	4160.8	4106.1	4052.4	4001.0
15°	3919.1	3971.2	4020.9	4070.6	4120.2	4169.9	4151.7	4134.3	4116.1	4097.9	4089.6
17.5°	3994.4	4025.9	4014.3	4002.7	3990.3	3978.7	3972.9	3967.9	3962.1	3956.3	3936.5
20°	3871.9	3901.7	3894.3	3887.6	3880.2	3872.7	3867.8	3862.8	3857.8	3852.9	3837.2
22.5°	3764.3	3717.1	3704.7	3693.1	3680.7	3669.1	3670.8	3672.4	3673.3	3674.9	3746.1
25°	3890.1	3773.4	3727.9	3682.4	3636.0	3590.5	3611.2	3631.1	3651.8	3672.4	3775.1
27.5°	3913.3	3737.8	3665.0	3592.2	3519.3	3446.5	3521.0	3595.5	3670.0	3744.5	3910.8
30°	4088.8	3914.1	3812.3	3711.3	3609.5	3508.6	3603.7	3698.9	3794.1	3889.3	4069.7
32.5°	4239.4	4116.9	4044.1	3971.2	3898.4	3825.6	3829.7	3833.0	3837.2	3841.3	4095.4
35°	4363.6	4182.3	4116.1	4050.7	3984.5	3919.1	4017.6	4116.1	4214.6	4313.1	4541.5
37.5°	4894.9	4773.3	4651.6	4530.8	4409.1	4288.2	4366.9	4445.5	4525.0	4603.6	4856.0
40°	5269.9	5071.2	5039.8	5009.2	4977.7	4947.1	4987.6	5027.4	5067.9	5108.5	5329.5
42.5°	6045.4	5912.2	5826.9	5742.5	5657.2	5572.8	5605.1	5637.4	5670.5	5702.8	5912.2
45°	6962.5	6870.6	6814.3	6758.1	6700.9	6644.7	6595.8	6547.8	6499.0	6451.0	6663.7
47.5°	7840.7	7884.5	8008.7	8132.0	8256.2	8379.5	8278.5	8177.5	8075.7	7974.8	7975.6
50°	9154.2	9464.6	9527.5	9589.6	9652.5	9714.5	9499.4	9284.2	9068.1	8852.9	8827.3
52.5°	10274.1	10702.0	10724.3	10746.7	10769.8	10792.2	10705.3	10618.4	10530.6	10443.7	10212.8
55°	11153.9	11608.3	11638.9	11668.7	11699.3	11729.1	11653.0	11577.7	11501.5	11425.4	11192.0
57.5°	11890.5	12301.1	12319.3	12336.7	12354.9	12373.1	12378.9	12384.7	12391.3	12397.1	12081.7
60°	12522.1	12964.0	12927.6	12892.0	12855.6	12820.0	12765.4	12710.8	12656.1	12601.5	12397.9
62.5°	12669.4	13005.4	12949.1	12893.7	12837.4	12782.0	12735.6	12690.1	12643.7	12597.4	12467.4
65°	12350.7	12486.5	12428.5	12370.6	12311.8	12253.9	12224.1	12195.1	12165.3	12135.5	12119.0
67.5°	10703.6	10631.6	10700.3	10769.0	10837.7	10906.4	10999.9	11093.5	11187.8	11281.4	11226.7
70°	8547.5	8364.6	8440.7	8516.1	8592.2	8667.5	8809.1	8950.6	9093.0	9234.5	9196.4
72.5°	6527.1	6295.4	6306.1	6316.9	6328.5	6339.2	6335.1	6331.8	6327.7	6323.5	6389.7
75°	4818.8	4596.1	4491.0	4385.9	4280.8	4175.7	4150.0	4124.4	4098.7	4073.0	4196.4
77.5°	3465.5	3311.6	3239.6	3168.4	3096.4	3025.2	3061.6	3098.0	3135.3	3171.7	3214.7
80°	2832.3	2866.3	2810.8	2756.2	2700.7	2645.3	2686.7	2727.2	2768.6	2810.0	2681.7
82.5°	1848.2	1898.7	1728.2	1557.7	1387.2	1216.7	1320.2	1423.6	1527.9	1631.4	1578.4
85°	719.3	640.6	546.3	452.7	358.4	264.0	343.5	422.9	502.4	581.9	634.8
87.5°	46.4	36.4	29.0	21.5	13.2	5.8	12.4	19.0	26.5	33.1	55.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P368129
 CATALOG NUMBER: MSA-SA3D-750-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: P368129

CATALOG NUMBER: MSA-SA3D-750-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7	1749.7
2.5°	2206.6	2179.3	2152.8	2100.7	2048.5	1996.4	1944.2	2017.1	2089.9	2162.7	2235.6
5°	2962.3	2943.3	2925.0	2930.0	2935.0	2940.8	2945.7	2956.5	2967.3	2977.2	2987.9
7.5°	3397.7	3396.0	3394.3	3356.3	3318.2	3279.3	3241.2	3260.3	3279.3	3298.3	3317.4
10°	3641.0	3625.3	3609.5	3525.9	3442.3	3357.9	3274.3	3237.9	3200.7	3164.2	3127.8
12.5°	3949.7	3897.6	3846.3	3756.9	3668.3	3578.9	3489.5	3456.4	3422.5	3389.4	3355.4
15°	4082.1	4073.9	4066.4	4002.7	3938.1	3874.4	3809.8	3696.4	3582.2	3468.8	3355.4
17.5°	3916.6	3895.9	3876.1	3977.0	4077.2	4178.2	4279.1	4161.6	4044.1	3926.5	3809.0
20°	3821.4	3805.7	3790.0	3977.9	4164.9	4352.8	4539.9	4487.7	4434.7	4382.6	4330.5
22.5°	3817.3	3889.3	3960.5	4125.2	4289.1	4453.8	4617.7	4707.9	4798.9	4889.1	4979.4
25°	3877.7	3981.2	4083.8	4356.9	4630.1	4904.0	5177.2	5280.6	5383.3	5486.7	5589.4
27.5°	4076.4	4242.7	4408.3	4646.6	4885.0	5124.2	5362.6	5588.5	5815.3	6041.3	6267.2
30°	4249.3	4429.8	4610.2	4894.1	5177.2	5461.1	5744.1	6027.2	6310.3	6593.3	6876.4
32.5°	4349.5	4604.4	4858.5	5203.7	5548.0	5893.1	6238.3	6548.7	6859.0	7168.6	7479.0
35°	4770.0	4999.2	5227.7	5609.2	5990.8	6373.2	6754.7	7138.8	7522.8	7906.1	8290.1
37.5°	5108.5	5361.7	5614.2	6031.3	6447.7	6864.8	7282.0	7812.5	8343.9	8874.4	9405.0
40°	5550.5	5771.5	5992.4	6383.1	6773.0	7163.6	7554.3	8227.2	8900.1	9572.2	10245.1
42.5°	6120.7	6330.1	6539.5	6957.5	7375.5	7793.5	8211.5	8956.4	9701.3	10445.4	11190.3
45°	6876.4	7090.0	7302.7	7635.4	7968.1	8300.9	8633.6	9425.7	10217.0	11009.1	11800.3
47.5°	7976.4	7977.2	7978.1	8218.1	8458.1	8699.0	8939.0	9736.9	10534.0	11331.8	12128.9
50°	8801.6	8775.1	8749.5	8873.6	8996.9	9121.1	9245.3	9979.4	10714.4	11448.6	12182.7
52.5°	9982.7	9751.8	9521.7	9595.4	9668.2	9741.9	9814.7	10436.3	11058.7	11680.3	12301.9
55°	10959.4	10726.0	10492.6	10465.3	10437.9	10410.6	10383.3	10955.3	11527.2	12099.1	12671.0
57.5°	11767.2	11451.9	11137.3	11074.4	11012.4	10949.5	10886.6	11489.9	12092.5	12695.9	13298.4
60°	12195.1	11991.5	11787.9	11747.3	11706.0	11665.4	11624.0	12119.0	12613.9	13108.9	13603.8
62.5°	12338.3	12208.4	12079.2	12155.4	12231.5	12308.5	12384.7	12602.3	12819.2	13036.9	13253.7
65°	12103.3	12086.7	12070.1	12226.6	12382.2	12538.6	12695.0	12641.2	12586.6	12532.8	12479.0
67.5°	11172.9	11118.3	11064.5	11408.0	11750.7	12094.1	12437.6	12176.9	11915.4	11654.6	11393.9
70°	9158.3	9119.4	9081.4	9576.3	10071.3	10567.1	11062.0	10745.8	10429.7	10113.5	9797.3
72.5°	6455.1	6521.3	6587.6	7171.1	7753.8	8337.3	8920.0	8601.3	8282.7	7964.0	7645.3
75°	4318.9	4442.2	4565.5	5166.4	5767.3	6369.0	6969.9	6595.8	6221.7	5847.6	5473.5
77.5°	3257.8	3300.8	3343.9	3723.8	4103.7	4484.4	4864.3	4555.6	4246.0	3937.3	3627.7
80°	2553.4	2424.3	2296.0	2421.0	2546.0	2670.9	2795.9	2611.3	2426.8	2243.0	2058.5
82.5°	1525.4	1472.5	1419.5	1487.4	1554.4	1622.3	1690.1	1610.7	1530.4	1450.9	1370.6
85°	687.0	740.0	792.1	860.8	928.7	997.4	1066.1	955.1	844.2	733.3	622.4
87.5°	77.0	99.3	121.7	150.6	179.6	208.6	237.5	185.4	132.4	80.3	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: P368129

CATALOG NUMBER: MSA-SA3D-750-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P368129
 CATALOG NUMBER: MSA-SA3D-750-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	1749.7	1749.7
2.5°	2277.8	2320.0
5°	2987.1	2985.5
7.5°	3267.7	3217.2
10°	3081.5	3035.1
12.5°	3237.1	3118.7
15°	3266.0	3176.7
17.5°	3663.3	3516.8
20°	4142.6	3953.9
22.5°	4721.1	4462.1
25°	5281.5	4973.6
27.5°	6082.7	5897.3
30°	6689.4	6501.5
32.5°	7351.5	7224.0
35°	8163.5	8036.0
37.5°	9438.1	9470.4
40°	10265.0	10284.8
42.5°	11267.3	11344.3
45°	11886.4	11972.5
47.5°	12248.9	12368.9
50°	12376.4	12570.1
52.5°	12541.1	12779.5
55°	12936.7	13202.4
57.5°	13510.3	13722.2
60°	13613.8	13623.7
62.5°	13100.6	12947.5
65°	12316.0	12152.9
67.5°	11295.4	11196.1
70°	9666.5	9535.8
72.5°	7402.0	7158.7
75°	5172.2	4870.9
77.5°	3469.7	3311.6
80°	2063.4	2067.6
82.5°	1408.7	1446.0
85°	615.0	606.7
87.5°	19.9	10.8
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: P368129
CATALOG NUMBER: MSA-SA3D-750-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)