

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: P367514

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

Issue Date: 12/2/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P367514  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 12/2/2019  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: MSA-SA2C-830-U-SLR  
Description: MESA POST TOP DECORATIVE LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS.  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8397 lumens  
Efficiency: N/A  
Efficacy: 74.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3

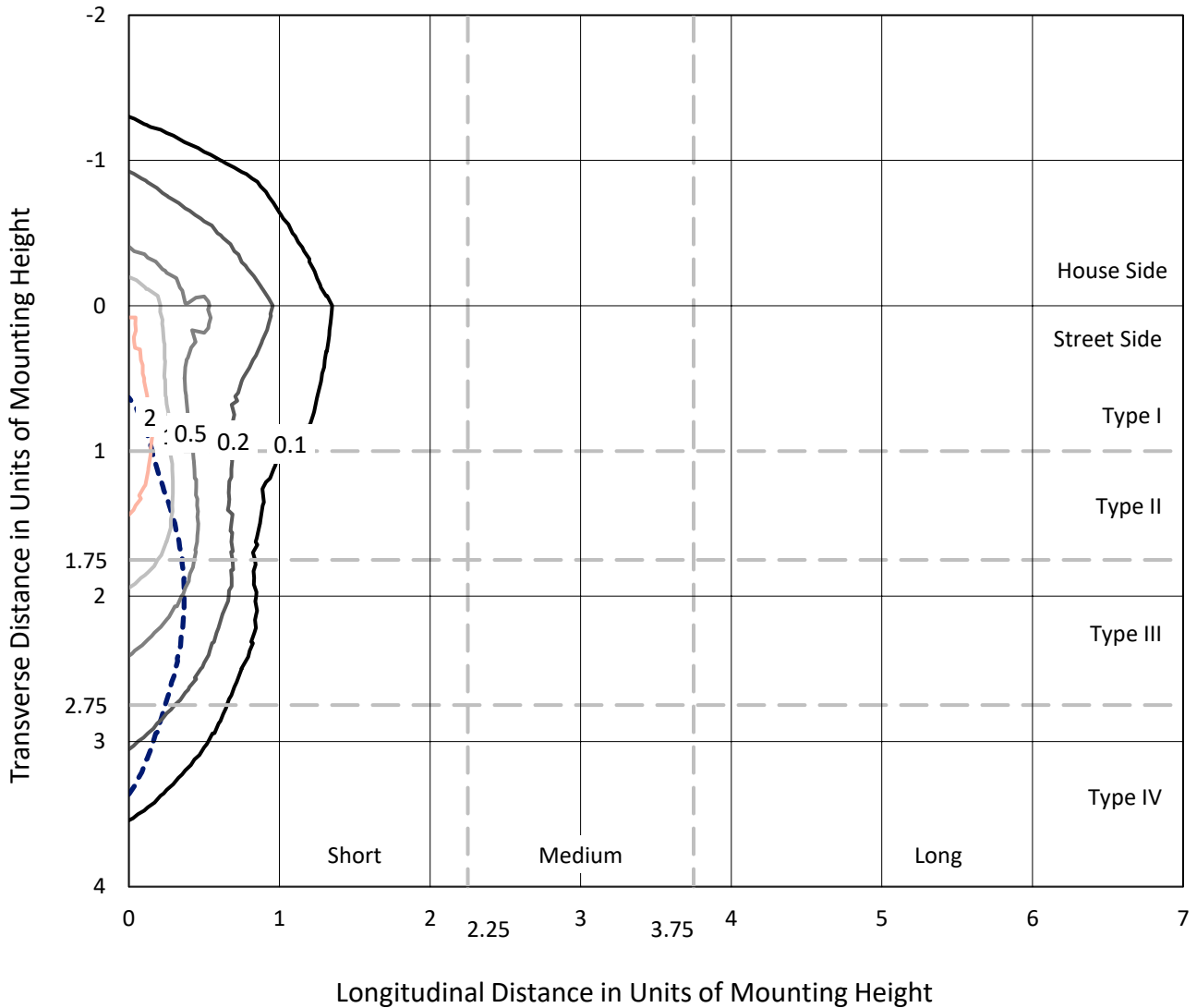
Input Watts (W): 113  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

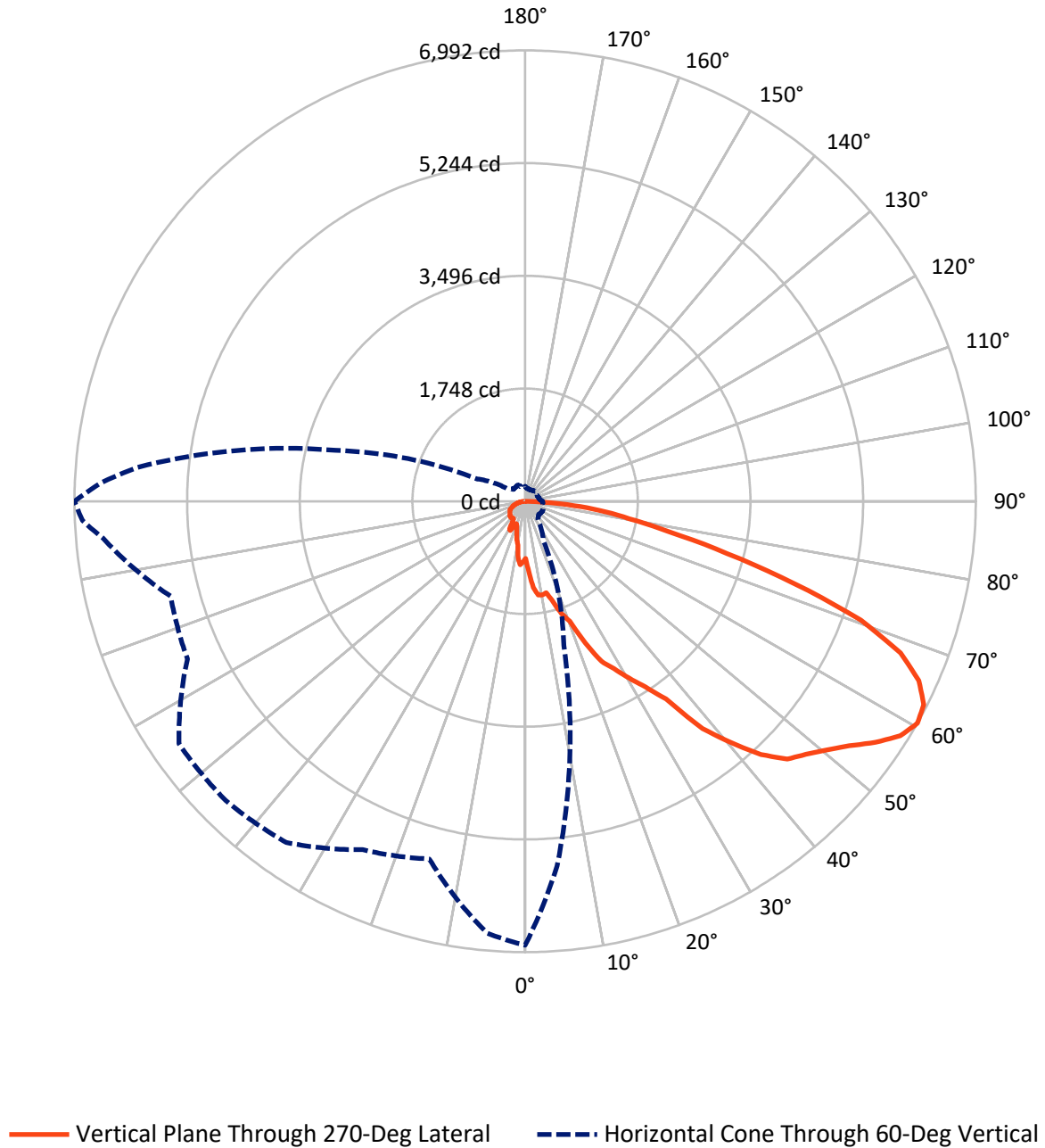
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



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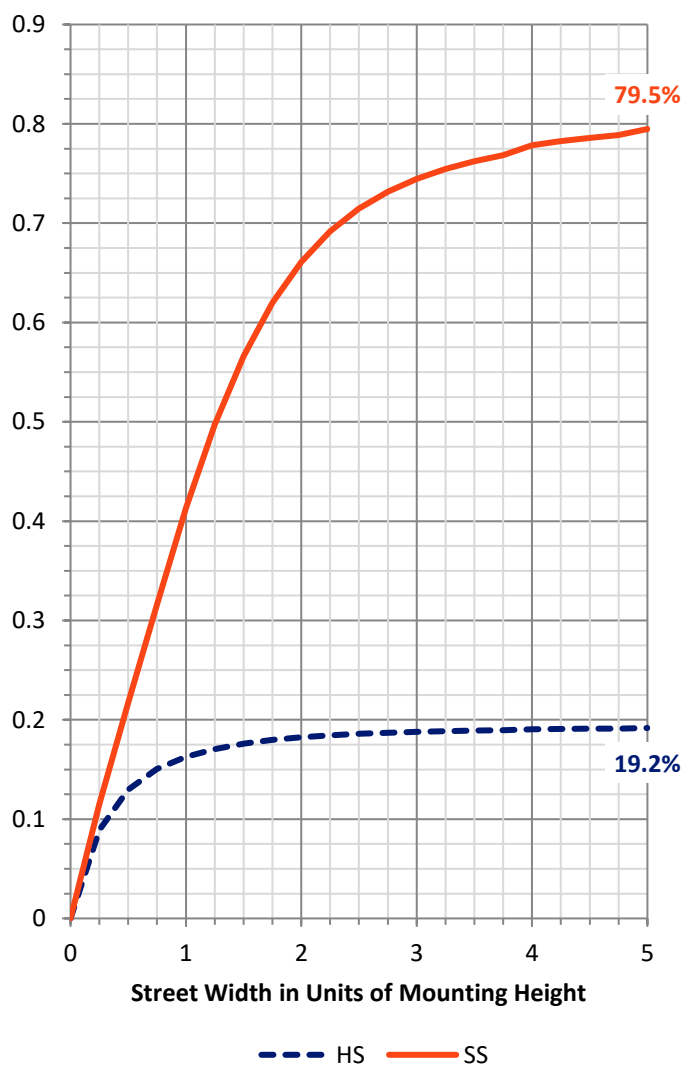
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1626.3	0.0	1626.3
	% Fixture	19.4	0.0	19.4
<b>Street Side</b>	Lumens	6770.7	0.0	6770.7
	% Fixture	80.6	0.0	80.6
<b>Total</b>	Lumens	8397.0	0.0	8397.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	101.5	1.2
10°-20°	295.0	3.5
20°-30°	520.9	6.2
30°-40°	811.2	9.7
40°-50°	1335.5	15.9
50°-60°	1906.2	22.7
60°-70°	2021.3	24.1
70°-80°	1116.4	13.3
80°-90°	288.9	3.4
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°	8397.0	100.0
0°-180°	8397.0	100.0

**Coefficient of Utilization**



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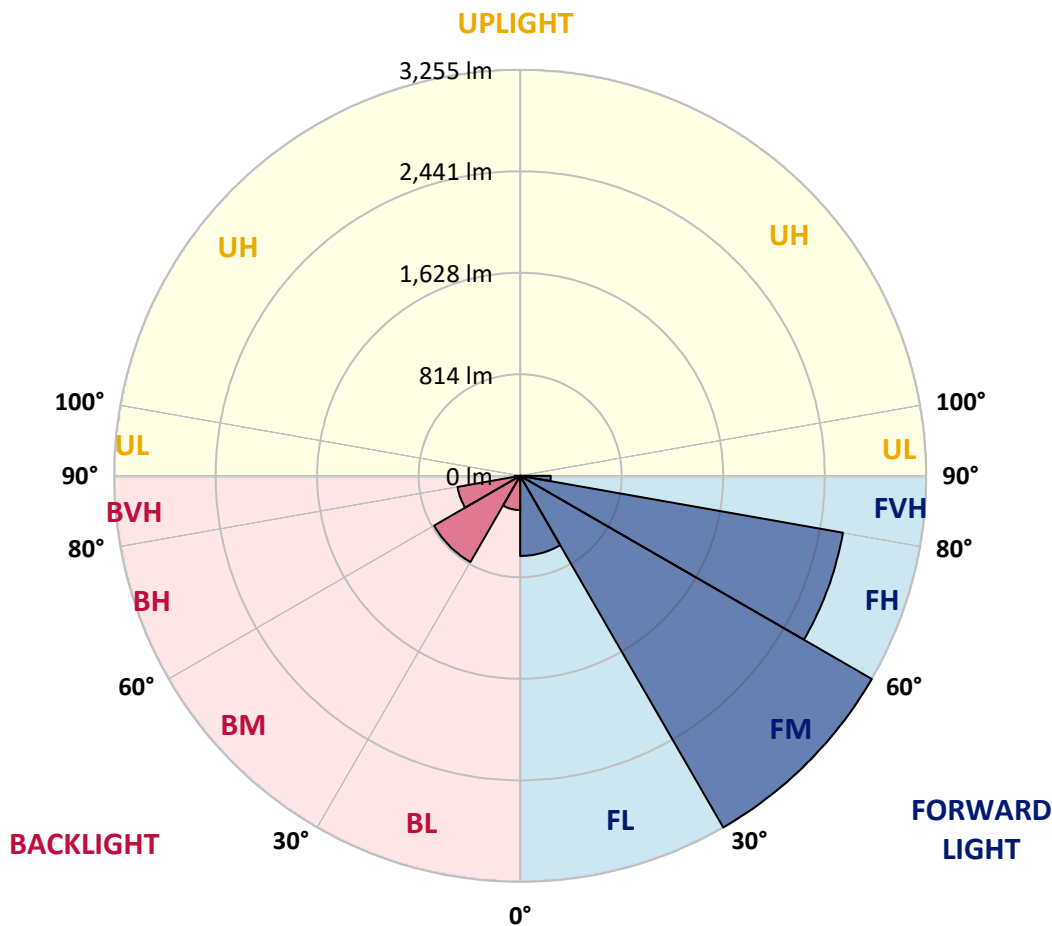
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	642.5	7.7			
FM (30°-60°)	3255.2	38.8			
FH (60°-80°)	2627.4	31.3			G2/5000
FVH (80°-90°)	245.5	2.9			G3/500
BL (0°-30°)	274.9	3.3	B1/500		
BM (30°-60°)	797.8	9.5	B1/1000		
BH (60°-80°)	510.3	6.1	B2/1000		G2/1000
BVH (80°-90°)	43.4	0.5			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°	885.7	885.7	885.7	885.7	885.7	885.7	885.7	885.7	885.7	885.7	885.7
2.5°	1186.0	1193.4	1200.3	1186.5	1172.6	1158.3	1144.5	1123.7	1102.5	1081.7	1060.5
5°	1424.5	1397.6	1370.3	1359.3	1348.7	1337.7	1326.7	1316.5	1306.3	1295.7	1285.5
7.5°	1499.1	1460.8	1422.0	1405.7	1389.4	1372.7	1356.4	1319.7	1283.1	1246.0	1209.3
10°	1417.1	1377.2	1336.9	1321.0	1304.7	1288.8	1272.5	1227.6	1183.2	1138.4	1093.5
12.5°	1483.2	1442.4	1401.2	1350.7	1300.2	1249.2	1198.7	1173.8	1149.0	1123.7	1098.8
15°	1546.8	1491.7	1436.3	1385.8	1335.2	1284.3	1233.7	1184.0	1134.3	1084.6	1034.8
17.5°	1779.1	1687.4	1595.7	1504.4	1412.7	1321.4	1229.7	1172.2	1114.3	1056.8	999.0
20°	2062.3	1934.8	1806.8	1668.2	1529.2	1390.7	1251.7	1179.1	1107.0	1034.4	961.9
22.5°	2399.4	2238.4	2077.4	1902.6	1727.7	1552.5	1377.6	1272.5	1167.3	1061.7	956.6
25°	2667.2	2512.3	2357.4	2135.7	1914.0	1692.3	1470.5	1351.1	1231.7	1111.9	992.4
27.5°	2927.2	2680.6	2433.6	2179.7	1926.2	1672.3	1418.4	1307.9	1197.5	1087.0	976.6
30°	3146.9	2951.3	2755.6	2424.3	2092.9	1761.1	1429.8	1294.1	1158.3	1022.6	886.9
32.5°	3468.5	3189.3	2909.7	2564.1	2218.4	1872.8	1527.2	1353.6	1179.9	1006.3	832.7
35°	3844.7	3554.5	3264.3	2836.7	2409.6	1982.0	1554.5	1370.7	1186.5	1002.6	818.4
37.5°	4546.1	4034.6	3522.7	3056.0	2589.3	2122.3	1655.6	1442.0	1228.4	1014.5	800.9
40°	4932.9	4460.1	3987.3	3405.7	2824.1	2242.1	1660.5	1442.0	1223.1	1004.7	785.8
42.5°	5448.5	4850.6	4252.2	3623.4	2994.9	2366.0	1737.1	1495.0	1252.9	1010.4	768.3
45°	5762.7	5096.3	4429.5	3757.5	3085.4	2413.3	1741.2	1495.4	1249.6	1003.9	758.1
47.5°	5965.3	5325.4	4685.1	3961.6	3238.2	2514.3	1790.9	1530.0	1268.8	1007.9	746.7
50°	6157.3	5523.5	4889.3	4138.1	3387.4	2636.2	1885.0	1600.1	1315.3	1029.9	745.1
52.5°	6392.8	5809.2	5225.1	4419.4	3613.2	2807.4	2001.2	1691.0	1380.9	1070.7	760.5
55°	6735.6	6160.5	5585.0	4720.1	3854.9	2990.0	2124.7	1780.3	1436.3	1091.9	747.5
57.5°	6957.7	6374.5	5791.3	4909.3	4027.3	3144.9	2262.9	1881.4	1499.9	1118.0	736.5
60°	6884.0	6282.4	5680.4	4839.6	3998.7	3157.9	2317.1	1905.0	1493.4	1081.3	669.2
62.5°	6557.9	5918.4	5278.9	4525.7	3772.9	3019.7	2266.5	1847.5	1429.0	1010.0	591.0
65°	6102.2	5441.2	4779.7	4100.2	3420.8	2741.4	2061.9	1681.7	1301.0	920.7	540.0
67.5°	5543.0	4853.8	4164.2	3562.6	2961.0	2359.1	1757.5	1439.6	1122.1	804.1	486.2
70°	4841.6	4164.2	3486.8	2966.3	2445.9	1925.4	1404.9	1165.7	926.8	687.6	448.3
72.5°	3891.5	3307.1	2722.6	2313.0	1903.4	1493.8	1084.2	917.9	752.0	585.7	419.4
75°	2767.9	2424.3	2080.7	1762.0	1443.2	1124.1	805.4	697.8	590.2	482.6	375.0
77.5°	1967.0	1764.4	1561.8	1312.0	1062.1	812.3	562.5	499.3	436.5	373.3	310.2
80°	1454.2	1285.1	1115.9	927.6	739.3	551.0	362.7	331.8	301.2	270.2	239.2
82.5°	957.4	881.2	804.6	655.4	506.2	357.0	207.9	196.5	185.0	173.6	162.2
85°	428.8	452.8	476.5	385.2	293.5	202.2	110.5	105.2	99.9	94.6	89.3
87.5°	41.2	60.7	80.3	68.9	57.1	45.6	33.8	33.4	33.4	33.0	32.6
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°	885.7	885.7	885.7	885.7	885.7	885.7	885.7	885.7	885.7	885.7	885.7
2.5°	1066.2	1071.9	1077.6	1083.3	1077.2	1071.1	1064.6	1058.5	1050.7	1043.0	1034.8
5°	1268.4	1250.9	1233.7	1216.2	1190.1	1164.0	1137.5	1111.5	1108.2	1104.5	1101.3
7.5°	1177.1	1145.3	1113.1	1080.9	1040.1	999.8	959.0	918.3	906.0	893.8	881.6
10°	1071.9	1049.9	1028.3	1006.3	981.0	955.8	930.1	904.8	871.4	837.6	804.1
12.5°	1063.0	1027.1	990.8	955.0	939.5	924.0	908.5	893.0	863.7	834.3	804.6
15°	1005.9	976.6	947.6	918.3	895.9	873.4	851.0	828.6	805.0	780.9	757.3
17.5°	965.5	932.1	898.7	865.3	839.6	813.9	787.8	762.2	733.6	704.7	676.2
20°	923.6	885.7	847.4	809.0	776.4	744.2	711.6	679.0	647.6	616.7	585.3
22.5°	906.5	856.3	806.2	756.1	721.8	687.2	652.9	618.3	589.4	560.4	531.5
25°	932.5	873.0	813.1	753.2	707.1	660.7	614.6	568.2	544.1	520.1	495.6
27.5°	902.0	827.0	752.4	677.4	628.1	578.4	529.0	479.3	475.6	472.0	467.9
30°	808.2	729.6	650.9	572.2	527.0	481.3	436.1	390.5	381.9	372.9	364.4
32.5°	752.4	672.1	591.8	511.5	471.2	430.4	390.1	349.3	339.5	329.7	319.9
35°	731.2	644.0	556.8	469.5	434.9	400.2	365.6	331.0	324.0	317.5	310.6
37.5°	714.1	627.7	540.9	454.0	420.6	387.2	353.4	319.9	314.6	309.4	304.1
40°	697.8	610.1	522.1	434.1	404.3	375.0	345.2	315.5	312.2	308.9	305.3
42.5°	683.1	597.9	512.3	427.1	400.6	374.6	348.1	321.6	318.3	315.1	311.8
45°	674.9	591.8	508.7	425.5	406.4	387.2	367.6	348.5	340.7	333.0	324.8
47.5°	668.8	591.0	513.1	435.3	415.3	395.3	375.4	355.4	348.5	341.5	334.2
50°	670.1	595.5	520.5	445.5	421.4	397.0	372.9	348.5	347.7	346.8	346.0
52.5°	681.1	602.0	522.5	443.0	417.0	390.9	364.4	338.3	343.6	348.5	353.8
55°	665.2	582.8	500.1	417.8	392.9	368.4	343.6	318.7	325.7	332.2	339.1
57.5°	647.2	558.0	468.7	379.5	360.7	342.0	322.8	304.1	311.4	319.1	326.5
60°	587.7	506.2	424.7	343.2	330.5	317.9	305.3	292.6	295.9	299.2	302.4
62.5°	522.5	453.6	385.2	316.3	306.5	296.3	286.5	276.3	276.3	276.7	276.7
65°	480.9	421.8	362.7	303.6	292.6	281.6	270.2	259.2	257.6	256.0	254.3
67.5°	439.4	392.9	346.0	299.2	283.3	267.8	251.9	236.0	233.9	232.3	230.3
70°	406.8	365.2	323.6	282.0	264.1	246.6	228.7	210.7	209.1	207.9	206.2
72.5°	380.3	341.5	302.4	263.3	244.5	225.4	206.6	187.5	186.3	185.0	183.4
75°	340.3	306.1	271.4	236.8	218.5	200.5	182.2	163.8	162.2	161.0	159.4
77.5°	281.6	252.7	224.2	195.2	181.0	167.1	152.8	138.6	137.8	136.9	135.7
80°	216.8	194.4	171.6	149.2	139.8	130.0	120.6	110.9	110.5	110.0	109.2
82.5°	148.8	135.3	121.9	108.4	101.5	94.2	87.2	79.9	80.3	80.7	81.1
85°	84.8	79.9	75.4	70.5	64.8	59.5	53.8	48.1	49.3	50.5	51.4
87.5°	31.0	29.3	27.7	26.1	23.2	20.8	17.9	15.1	15.9	17.1	17.9
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: P367514  
 CATALOG NUMBER: MSA-SA2C-830-U-SLR

**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: P367514  
 CATALOG NUMBER: MSA-SA2C-830-U-SLR

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	885.7	885.7	885.7	885.7	885.7	885.7	885.7	885.7	885.7	885.7	885.7
2.5°	1027.1	1014.9	1002.6	990.4	978.2	952.9	928.1	902.8	877.5	893.0	908.9
5°	1097.6	1076.8	1055.6	1034.8	1013.6	1001.8	990.0	978.2	966.4	972.5	979.0
7.5°	869.4	857.1	844.5	832.3	819.6	814.3	809.4	804.1	798.9	813.9	829.0
10°	770.3	753.2	736.1	718.6	701.4	691.3	681.1	670.9	660.7	664.8	668.8
12.5°	775.2	749.9	724.7	699.4	674.1	659.1	644.0	628.9	613.8	617.5	621.1
15°	733.2	707.1	681.1	655.0	628.9	611.4	593.4	575.9	558.0	551.9	545.3
17.5°	647.2	618.7	590.2	561.6	533.1	521.3	509.5	497.7	485.8	479.3	472.8
20°	553.9	527.4	500.9	474.4	447.9	439.8	431.6	423.1	414.9	410.8	406.4
22.5°	502.5	486.2	469.5	453.2	436.5	427.1	418.2	408.8	399.4	394.9	390.1
25°	471.6	474.8	478.5	481.8	485.0	480.9	476.5	472.4	467.9	469.5	470.8
27.5°	464.2	471.2	478.5	485.4	492.4	496.0	499.7	503.4	507.0	508.2	509.5
30°	355.4	359.1	362.3	366.0	369.3	379.5	389.6	399.4	409.6	425.5	441.8
32.5°	310.2	308.9	307.7	306.1	304.9	307.3	309.8	311.8	314.2	319.9	326.1
35°	303.6	300.8	297.5	294.7	291.4	292.6	293.9	295.1	296.3	300.8	305.3
37.5°	298.8	297.5	296.7	295.5	294.3	297.1	299.6	302.4	304.9	308.5	312.2
40°	302.0	301.6	301.2	300.4	300.0	301.6	303.2	304.9	306.5	311.4	316.3
42.5°	308.5	308.5	308.1	308.1	307.7	309.4	310.6	312.2	313.4	316.3	319.1
45°	317.1	316.3	315.9	315.1	314.2	313.8	313.8	313.4	313.0	314.6	316.7
47.5°	327.3	324.4	321.2	318.3	315.1	314.2	313.0	312.2	311.0	311.8	312.6
50°	345.2	337.5	330.1	322.4	314.6	312.6	310.6	308.5	306.5	306.1	306.1
52.5°	358.7	347.3	335.8	324.4	313.0	309.4	305.7	302.0	298.3	297.5	297.1
55°	345.6	337.1	328.9	320.4	311.8	306.5	300.8	295.5	289.8	288.6	287.3
57.5°	333.8	328.5	323.2	317.9	312.6	307.3	301.6	296.3	290.6	287.7	284.9
60°	305.7	305.7	306.1	306.1	306.1	300.4	294.7	289.0	283.3	280.4	278.0
62.5°	276.7	281.2	285.3	289.8	293.9	286.1	278.0	270.2	262.1	260.0	258.4
65°	252.7	253.9	255.6	256.8	258.0	251.9	245.8	239.7	233.5	232.3	230.7
67.5°	228.2	227.8	227.4	226.6	226.2	222.5	218.5	214.8	210.7	209.1	207.5
70°	204.6	204.2	203.8	203.0	202.6	199.3	196.0	192.8	189.5	188.3	187.1
72.5°	182.2	181.8	181.0	180.6	179.7	176.9	174.4	171.6	168.7	167.1	165.5
75°	157.7	156.9	156.1	155.3	154.5	152.0	149.6	146.7	144.3	142.7	141.0
77.5°	134.9	133.7	132.5	130.8	129.6	127.6	125.1	123.1	120.6	118.6	117.0
80°	108.8	108.0	107.2	106.0	105.2	103.1	101.1	98.6	96.6	94.2	92.1
82.5°	81.5	81.1	80.3	79.9	79.1	77.0	75.0	73.0	70.9	68.5	66.0
85°	52.6	52.2	51.8	51.4	50.9	49.3	48.1	46.5	44.8	42.4	40.4
87.5°	18.7	17.9	17.5	16.7	15.9	15.5	14.7	14.3	13.5	12.2	11.0
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: P367514  
 CATALOG NUMBER: MSA-SA2C-830-U-SLR

**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: P367514

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

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	885.7	885.7	885.7	885.7	885.7	885.7	885.7	885.7	885.7	885.7	885.7
2.5°	924.4	939.9	940.3	940.3	947.6	954.5	940.3	926.0	911.3	897.1	882.8
5°	985.1	991.2	989.6	987.6	978.6	969.6	960.3	950.9	941.5	932.1	932.5
7.5°	844.1	859.2	871.4	883.2	871.8	860.4	854.3	848.2	842.1	835.9	835.1
10°	672.5	676.6	681.5	686.0	679.0	671.7	683.9	696.1	708.0	720.2	706.7
12.5°	624.8	628.5	619.9	611.0	608.1	605.3	602.4	599.1	596.3	593.0	591.4
15°	539.2	532.7	526.2	519.3	517.6	515.6	513.5	511.1	509.1	506.6	499.3
17.5°	466.3	459.7	448.7	437.3	432.8	428.0	426.7	425.5	423.9	422.7	415.7
20°	402.3	397.8	394.9	391.7	387.2	382.7	378.2	373.7	368.9	364.4	357.9
22.5°	385.6	380.7	377.0	372.9	372.1	371.3	363.2	354.6	346.4	337.9	334.2
25°	472.4	473.6	451.2	428.4	426.3	424.3	409.6	394.5	379.9	364.8	352.1
27.5°	510.3	511.5	510.7	509.9	503.4	496.4	471.6	446.3	421.4	396.2	378.2
30°	457.7	473.6	479.7	485.8	481.3	476.5	450.4	424.7	398.6	372.5	360.7
32.5°	331.8	337.5	347.7	357.4	362.7	367.6	359.5	351.3	343.2	335.0	333.0
35°	309.4	313.8	315.9	317.9	314.6	311.4	305.3	299.2	292.6	286.5	285.3
37.5°	315.5	319.1	323.2	327.3	318.3	308.9	302.0	295.5	288.6	281.6	275.9
40°	321.2	326.1	328.5	331.0	322.0	313.0	304.5	296.3	287.7	279.2	273.5
42.5°	322.0	324.8	329.3	333.8	321.2	308.1	300.4	292.2	284.5	276.3	270.6
45°	318.3	319.9	324.0	328.1	313.4	298.3	291.4	284.1	277.2	269.8	264.9
47.5°	313.0	313.8	317.1	319.9	304.5	288.6	282.0	275.5	268.6	262.1	257.2
50°	305.7	305.3	307.7	309.8	293.9	278.0	271.4	265.3	258.8	252.3	248.2
52.5°	296.3	295.5	297.9	300.0	283.3	266.6	260.8	255.6	249.8	244.1	240.9
55°	285.7	284.5	286.5	288.6	272.3	255.6	250.7	245.4	240.5	235.2	232.3
57.5°	281.6	278.8	280.0	281.2	262.9	244.5	239.7	234.8	229.9	225.0	222.9
60°	275.1	272.3	273.5	274.3	254.7	234.8	230.3	225.4	220.9	216.0	214.0
62.5°	256.4	254.3	256.0	257.6	240.1	222.1	218.1	214.4	210.3	206.2	203.4
65°	229.5	227.8	231.1	234.4	219.3	204.2	201.8	199.3	196.5	194.0	191.2
67.5°	205.8	204.2	207.5	210.7	199.7	188.7	186.3	183.8	181.4	178.9	177.3
70°	185.9	184.6	187.5	190.3	181.0	171.6	169.1	167.1	164.7	162.2	161.0
72.5°	163.4	161.8	165.5	168.7	161.0	152.8	150.8	148.4	146.3	143.9	143.1
75°	139.4	137.8	141.0	143.9	138.6	132.9	130.8	128.8	126.8	124.7	124.3
77.5°	114.9	112.9	116.2	119.0	115.8	112.1	110.5	108.4	106.8	104.7	104.7
80°	89.7	87.2	89.7	91.7	90.5	89.3	88.0	86.4	85.2	83.6	84.0
82.5°	63.6	61.1	62.4	63.6	64.4	65.2	65.2	65.2	65.2	65.2	65.2
85°	37.9	35.5	35.9	36.3	37.5	38.7	39.1	39.5	39.9	40.4	40.8
87.5°	9.8	8.6	7.7	6.5	7.7	8.6	9.4	9.8	10.6	11.0	11.0
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: P367514  
 CATALOG NUMBER: MSA-SA2C-830-U-SLR

**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: P367514  
 CATALOG NUMBER: MSA-SA2C-830-U-SLR

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	885.7	885.7	885.7	885.7	885.7	885.7	885.7	885.7	885.7	885.7	885.7
2.5°	868.5	853.9	839.6	848.6	857.1	866.1	874.7	875.1	875.1	875.5	875.5
5°	933.4	933.8	934.2	925.6	917.5	908.9	900.3	895.9	891.4	886.5	882.0
7.5°	833.9	833.1	831.9	823.7	815.6	807.4	799.3	779.7	759.7	740.2	720.2
10°	692.9	679.4	665.6	662.3	659.5	656.2	652.9	647.6	642.7	637.5	632.2
12.5°	589.8	588.1	586.5	577.9	569.4	560.4	551.9	551.9	551.9	551.9	551.9
15°	491.5	484.2	476.5	472.4	467.9	463.8	459.3	457.3	455.3	453.2	451.2
17.5°	408.4	401.5	394.1	393.3	392.5	391.7	390.9	388.8	386.8	384.8	382.7
20°	351.3	344.8	338.3	340.7	343.2	345.2	347.7	345.6	343.6	341.1	339.1
22.5°	330.1	326.5	322.4	320.4	318.3	315.9	313.8	313.8	314.2	314.2	314.2
25°	339.9	327.3	314.6	308.5	302.4	295.9	289.8	287.3	285.3	282.9	280.4
27.5°	360.3	342.0	324.0	313.4	302.8	292.2	281.6	277.2	272.3	267.8	262.9
30°	348.5	336.7	324.4	312.2	300.0	287.7	275.5	269.8	264.1	258.0	252.3
32.5°	331.0	328.5	326.5	315.1	303.6	291.8	280.4	278.0	275.9	273.5	271.0
35°	283.7	282.5	280.8	278.0	275.1	272.3	269.4	266.1	262.9	259.6	256.4
37.5°	270.6	264.9	259.2	258.0	256.8	255.6	254.3	253.1	251.9	250.3	249.0
40°	267.8	262.1	256.4	254.3	252.3	249.8	247.8	248.2	249.0	249.4	249.8
42.5°	264.5	258.8	252.7	251.1	249.4	247.8	246.2	246.6	247.4	247.8	248.2
45°	260.4	255.6	250.7	247.8	245.4	242.5	239.7	242.1	244.5	246.6	249.0
47.5°	252.3	247.0	242.1	240.5	238.8	236.8	235.2	237.6	240.1	242.1	244.5
50°	243.7	239.7	235.2	234.8	234.4	233.5	233.1	234.8	236.4	238.0	239.7
52.5°	237.2	233.9	230.3	230.3	229.9	229.9	229.5	231.1	232.7	233.9	235.6
55°	229.9	227.0	224.2	224.6	225.4	225.8	226.2	227.8	229.9	231.5	233.1
57.5°	220.5	218.5	216.0	217.6	218.9	220.5	221.7	222.9	224.6	225.8	227.0
60°	211.5	209.5	207.0	208.7	210.7	212.3	214.0	215.2	216.4	217.6	218.9
62.5°	200.5	197.3	194.4	196.9	198.9	201.3	203.4	204.2	205.4	206.2	207.0
65°	188.7	185.9	183.0	184.6	186.3	187.5	189.1	190.3	191.6	192.8	194.0
67.5°	175.3	173.6	171.6	172.8	174.0	175.3	176.5	176.9	176.9	177.3	177.3
70°	159.4	158.1	156.5	157.3	158.5	159.4	160.2	160.2	160.2	159.8	159.8
72.5°	142.7	141.8	141.0	141.4	142.2	142.7	143.1	142.7	142.2	141.8	141.4
75°	123.9	123.5	123.1	123.5	124.3	124.7	125.1	124.7	123.9	123.5	122.7
77.5°	105.2	105.2	105.2	105.2	105.6	105.6	105.6	104.7	103.9	103.1	102.3
80°	84.4	84.8	85.2	85.2	85.2	85.2	85.2	84.4	83.6	82.3	81.5
82.5°	65.2	65.2	65.2	65.2	65.6	65.6	65.6	63.6	62.0	59.9	57.9
85°	40.8	41.2	41.2	41.6	42.0	42.0	42.4	39.5	37.1	34.2	31.4
87.5°	11.0	11.0	11.0	11.0	11.0	10.6	10.6	8.2	5.3	2.9	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: P367514  
 CATALOG NUMBER: MSA-SA2C-830-U-SLR

**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: P367514

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

**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	885.7	885.7	885.7	885.7	885.7	885.7	885.7	885.7	885.7	885.7	885.7
2.5°	877.9	880.4	882.4	884.8	885.3	885.7	885.7	886.1	877.5	869.0	860.0
5°	888.1	893.8	899.9	905.6	904.4	903.2	902.0	900.7	898.3	896.3	893.8
7.5°	715.7	711.6	707.1	702.7	706.3	710.0	713.7	717.3	719.0	720.6	721.8
10°	622.0	611.8	601.6	591.4	585.7	579.6	573.9	567.8	566.9	566.5	565.7
12.5°	541.3	530.3	519.7	508.7	505.4	501.7	498.5	494.8	498.1	501.3	504.2
15°	446.7	442.6	438.1	433.7	437.3	441.0	444.7	448.3	451.6	454.4	457.7
17.5°	380.7	379.0	377.0	375.0	378.2	381.9	385.2	388.4	395.8	403.1	410.4
20°	337.5	336.3	334.6	333.0	331.8	330.1	328.9	327.3	337.9	348.1	358.7
22.5°	311.8	309.4	306.9	304.5	304.9	305.3	305.3	305.7	314.2	323.2	331.8
25°	279.6	278.8	278.0	277.2	279.6	282.0	284.1	286.5	294.3	302.0	309.4
27.5°	263.3	263.7	264.1	264.5	267.8	271.4	274.7	278.0	283.3	288.6	293.9
30°	254.3	256.8	258.8	260.8	262.1	263.3	264.5	265.7	271.0	275.9	281.2
32.5°	267.8	264.5	260.8	257.6	259.2	261.3	262.9	264.5	269.4	274.3	279.2
35°	255.1	253.5	252.3	250.7	252.7	254.7	256.4	258.4	262.9	267.0	271.4
37.5°	248.6	248.2	247.8	247.4	248.6	249.8	250.7	251.9	256.0	260.0	263.7
40°	248.2	246.2	244.5	242.5	243.7	245.0	245.8	247.0	251.9	256.8	261.7
42.5°	245.8	243.3	240.5	238.0	239.2	240.9	242.1	243.3	248.6	253.5	258.8
45°	245.4	241.7	237.6	233.9	235.6	237.2	238.8	240.5	244.5	248.6	252.3
47.5°	240.9	237.2	233.5	229.9	230.7	231.5	231.9	232.7	236.4	239.7	243.3
50°	237.2	234.4	231.9	229.1	227.8	227.0	225.8	224.6	227.4	230.3	233.1
52.5°	232.7	229.9	226.6	223.8	222.1	220.5	218.9	217.2	219.7	221.7	224.2
55°	229.9	226.2	222.9	219.3	217.2	215.2	213.2	211.1	212.8	214.0	215.6
57.5°	223.8	220.5	216.8	213.6	211.1	208.7	205.8	203.4	204.2	205.0	205.8
60°	215.6	211.9	208.7	205.0	202.2	199.3	196.0	193.2	193.6	194.4	194.8
62.5°	203.8	200.5	196.9	193.6	190.3	187.5	184.2	181.0	181.8	182.2	183.0
65°	190.7	187.1	183.8	180.1	177.3	174.4	171.2	168.3	169.1	170.0	170.4
67.5°	174.9	172.0	169.6	166.7	164.3	161.4	159.0	156.1	156.5	156.9	157.3
70°	157.7	155.3	153.2	150.8	148.8	146.7	144.7	142.7	142.7	143.1	143.1
72.5°	139.4	137.4	135.3	133.3	131.2	129.6	127.6	125.5	126.3	127.2	127.6
75°	120.6	119.0	117.0	114.9	113.3	111.7	109.6	108.0	108.8	109.6	110.0
77.5°	101.1	99.9	98.2	97.0	95.4	93.7	91.7	90.1	90.9	91.7	92.1
80°	80.7	79.9	78.7	77.8	76.2	74.6	73.0	71.3	71.7	71.7	72.1
82.5°	58.3	58.7	58.7	59.1	57.9	56.2	55.0	53.4	53.4	53.4	53.0
85°	32.6	34.2	35.5	36.7	35.5	34.2	33.0	31.8	31.4	31.4	31.0
87.5°	1.2	2.0	3.3	4.1	3.7	3.3	2.4	2.0	2.4	2.9	2.9
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: P367514  
 CATALOG NUMBER: MSA-SA2C-830-U-SLR

**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: P367514  
 CATALOG NUMBER: MSA-SA2C-830-U-SLR

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	885.7	885.7	885.7	885.7	885.7	885.7	885.7	885.7	885.7	885.7	885.7
2.5°	851.4	858.4	865.3	872.2	879.1	889.7	900.3	911.3	922.3	916.2	909.7
5°	891.4	895.4	899.9	904.0	908.1	919.9	931.3	945.6	959.4	957.8	955.8
7.5°	723.4	729.2	734.9	740.2	745.9	763.8	781.7	796.8	811.9	809.9	807.4
10°	564.9	576.7	588.9	600.8	612.6	627.3	641.5	654.2	666.8	688.0	708.8
12.5°	507.4	525.8	544.1	562.5	580.8	591.4	601.6	617.9	634.2	645.6	657.4
15°	460.6	477.7	494.8	511.9	529.0	529.8	530.7	547.8	564.9	574.7	584.1
17.5°	417.8	427.1	436.5	445.5	454.9	451.6	448.3	456.5	464.2	468.3	472.8
20°	368.9	375.4	381.9	388.4	394.9	399.4	403.5	408.4	412.9	408.8	404.3
22.5°	340.3	350.1	360.3	370.1	379.9	382.7	385.2	382.3	379.5	378.2	377.0
25°	317.1	328.9	341.1	353.0	364.8	370.5	376.2	378.6	380.7	376.2	371.7
27.5°	299.2	313.4	327.3	341.5	355.4	365.6	375.8	378.6	381.1	377.8	374.2
30°	286.1	301.6	317.1	332.6	348.1	363.6	378.6	392.1	405.1	403.9	402.7
32.5°	284.1	294.7	305.3	315.9	326.5	336.3	345.6	346.4	346.8	343.6	339.9
35°	275.5	282.5	289.4	296.3	303.2	309.4	315.1	314.2	313.4	310.2	306.9
37.5°	267.8	274.7	282.0	289.0	295.9	306.5	316.7	314.6	312.2	308.9	305.7
40°	266.6	274.3	282.0	289.4	297.1	306.9	316.7	314.6	312.6	308.5	304.5
42.5°	263.7	271.4	278.8	286.5	293.9	305.7	317.1	313.4	309.4	306.1	302.8
45°	256.4	263.3	270.2	277.2	284.1	296.7	309.4	304.9	300.4	299.2	297.5
47.5°	246.6	253.5	260.4	267.4	274.3	286.9	299.2	295.5	291.4	291.0	290.2
50°	236.0	242.5	249.4	256.0	262.5	275.1	287.3	284.1	280.8	281.2	281.2
52.5°	226.2	232.3	238.0	244.1	249.8	262.5	274.7	272.3	269.4	270.2	270.6
55°	216.8	221.7	226.6	231.5	236.4	248.6	260.8	257.2	253.5	254.7	256.0
57.5°	206.6	210.7	214.8	218.5	222.5	234.8	246.6	242.5	238.0	240.1	241.7
60°	195.2	198.9	202.6	205.8	209.5	220.5	231.1	227.4	223.4	226.2	228.7
62.5°	183.4	186.3	189.1	192.0	194.8	205.0	215.2	212.3	209.5	212.8	215.6
65°	171.2	173.2	175.7	177.7	179.7	189.5	198.9	196.9	194.8	197.7	200.5
67.5°	157.7	159.4	161.4	163.0	164.7	173.6	182.6	180.6	178.1	180.6	182.6
70°	143.1	144.7	145.9	147.5	148.8	156.9	165.1	162.2	159.0	161.4	163.4
72.5°	128.4	129.2	130.4	131.2	132.1	138.2	144.3	141.8	139.4	141.8	143.9
75°	110.9	111.7	112.5	113.3	114.1	119.4	124.3	121.5	118.2	120.6	123.1
77.5°	92.9	93.3	94.2	94.6	95.0	98.6	101.9	99.0	95.8	98.6	101.5
80°	72.1	72.5	73.0	73.0	73.4	74.6	75.8	73.8	71.3	75.0	78.7
82.5°	53.0	52.6	52.6	52.2	51.8	51.8	51.4	50.1	48.5	51.8	55.0
85°	30.6	30.2	29.3	28.9	28.1	26.9	25.7	25.3	24.9	27.7	30.6
87.5°	3.3	2.9	2.0	1.6	0.8	0.4	0.0	0.0	0.0	1.6	3.7
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: P367514  
 CATALOG NUMBER: MSA-SA2C-830-U-SLR

**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: P367514

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

**CANDELA DISTRIBUTION (continued):**

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	885.7	885.7	885.7	885.7	885.7	885.7	885.7	885.7	885.7	885.7	885.7
2.5°	903.6	897.1	891.0	884.8	878.7	872.6	884.0	895.4	906.9	918.3	928.5
5°	954.1	952.1	946.8	941.9	936.6	931.3	934.2	937.4	940.3	943.1	949.2
7.5°	805.4	802.9	814.3	825.3	836.8	847.8	850.6	853.1	855.9	858.4	856.7
10°	730.0	750.8	756.1	760.9	766.2	771.1	779.3	787.4	795.2	803.3	807.8
12.5°	668.8	680.2	699.0	718.2	736.9	755.6	767.9	780.1	792.3	804.6	829.8
15°	593.8	603.2	617.5	631.7	646.0	660.3	677.8	695.7	713.3	730.8	758.5
17.5°	476.9	480.9	491.5	502.1	512.3	522.9	546.6	569.8	593.4	616.7	648.5
20°	400.2	395.8	395.8	396.2	396.2	396.2	419.8	443.0	466.7	489.9	531.9
22.5°	375.4	374.2	369.7	364.8	360.3	355.4	367.6	380.3	392.5	404.7	439.0
25°	366.8	362.3	356.6	350.9	345.2	339.5	347.3	355.0	362.7	370.5	397.4
27.5°	370.9	367.2	370.1	372.5	375.4	377.8	380.3	382.7	385.2	387.6	397.0
30°	401.5	400.2	404.7	408.8	413.3	417.4	411.7	406.4	400.6	394.9	398.2
32.5°	336.7	333.0	331.4	329.7	328.1	326.5	326.1	325.7	324.8	324.4	331.8
35°	303.6	300.4	297.9	295.5	292.6	290.2	291.4	292.2	293.5	294.3	302.4
37.5°	302.4	299.2	296.3	293.5	290.2	287.3	288.6	290.2	291.4	292.6	298.8
40°	300.4	296.3	294.7	293.0	291.4	289.8	290.6	291.4	291.8	292.6	297.1
42.5°	299.2	295.9	295.1	294.3	293.5	292.6	293.5	294.3	294.7	295.5	300.8
45°	296.3	294.7	295.5	296.3	297.1	297.9	297.9	297.9	297.9	297.9	303.6
47.5°	289.8	289.0	291.4	293.9	296.3	298.8	302.8	306.9	310.6	314.6	315.9
50°	281.6	281.6	285.7	289.8	293.5	297.5	307.3	316.7	326.5	335.8	329.7
52.5°	271.4	271.9	278.0	283.7	289.8	295.5	304.5	313.4	322.0	331.0	322.0
55°	256.8	258.0	265.7	273.1	280.8	288.2	295.1	302.0	308.9	315.9	306.5
57.5°	243.7	245.4	253.5	261.3	269.4	277.2	281.2	285.7	289.8	293.9	287.7
60°	231.5	233.9	244.5	255.1	265.3	275.9	272.7	269.4	265.7	262.5	262.1
62.5°	218.9	221.7	231.5	241.3	250.7	260.4	255.6	250.7	245.4	240.5	242.5
65°	203.0	205.8	210.3	214.8	218.9	223.4	222.9	222.9	222.5	222.1	226.2
67.5°	185.0	187.1	189.9	192.4	195.2	197.7	199.3	201.3	203.0	204.6	209.5
70°	165.9	167.9	170.8	173.2	176.1	178.5	180.6	182.6	184.2	186.3	191.2
72.5°	146.3	148.4	151.2	154.1	156.5	159.4	161.0	162.6	163.8	165.5	169.6
75°	125.5	128.0	130.8	133.3	136.1	138.6	139.8	141.0	142.2	143.5	147.1
77.5°	104.3	107.2	110.0	112.9	115.8	118.6	119.0	119.4	119.8	120.2	123.5
80°	81.9	85.6	88.4	91.3	94.2	97.0	97.0	97.0	97.0	97.0	98.6
82.5°	58.3	61.5	64.8	67.7	70.9	73.8	73.8	73.4	73.4	73.0	73.0
85°	33.4	36.3	38.3	40.8	42.8	44.8	44.8	44.8	44.4	44.4	43.6
87.5°	5.3	6.9	7.7	9.0	9.8	10.6	10.2	10.2	9.8	9.4	8.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367514  
 CATALOG NUMBER: MSA-SA2C-830-U-SLR

**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: P367514

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

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	885.7	885.7	885.7	885.7	885.7	885.7	885.7	885.7	885.7	885.7	885.7
2.5°	938.6	948.8	959.0	957.4	955.8	954.1	952.5	958.6	964.3	970.4	976.1
5°	955.0	961.1	966.8	971.3	975.7	980.2	984.7	1005.5	1025.9	1046.7	1067.0
7.5°	855.1	853.1	851.4	870.6	890.1	909.3	928.5	955.0	981.4	1007.9	1034.4
10°	812.3	816.8	821.3	829.0	837.2	844.9	852.7	878.7	904.8	930.9	957.0
12.5°	854.7	880.0	904.8	910.9	917.5	923.6	929.7	935.0	940.3	945.2	950.5
15°	786.2	813.9	841.6	857.5	873.4	888.9	904.8	944.8	984.3	1024.2	1063.8
17.5°	679.8	711.6	743.0	782.1	821.3	860.4	899.5	936.2	972.9	1009.2	1045.8
20°	573.9	615.4	657.4	700.2	742.6	785.4	827.8	863.7	899.5	935.0	970.8
22.5°	472.8	507.0	540.9	593.0	644.8	697.0	748.7	815.6	882.0	948.8	1015.3
25°	423.9	450.8	477.3	531.1	584.9	638.3	692.1	778.9	865.3	952.1	1038.5
27.5°	406.8	416.1	425.5	474.4	522.9	571.8	620.3	714.1	807.8	901.2	994.9
30°	401.5	404.7	408.0	446.3	484.6	522.9	561.2	653.8	746.7	839.2	931.7
32.5°	338.7	346.0	353.0	390.5	427.5	465.0	502.1	595.5	688.4	781.7	874.7
35°	310.6	318.7	326.9	363.6	400.2	436.5	473.2	571.4	670.1	768.3	866.5
37.5°	304.9	311.0	317.1	358.7	400.2	441.8	483.4	582.8	682.3	781.7	881.2
40°	302.0	306.5	311.0	351.3	392.1	432.4	472.8	577.1	681.1	785.4	889.3
42.5°	305.7	311.0	315.9	352.6	388.8	425.5	461.8	569.8	677.4	785.4	893.0
45°	308.9	314.6	319.9	354.2	388.4	422.7	456.9	572.2	687.2	802.5	917.5
47.5°	316.7	317.9	318.7	348.5	377.8	407.6	436.9	554.3	671.7	788.7	906.0
50°	323.2	317.1	310.6	341.5	372.1	403.1	433.7	544.9	656.2	767.1	878.3
52.5°	313.0	303.6	294.7	328.1	361.5	394.5	428.0	539.2	650.9	762.2	873.4
55°	297.5	288.2	278.8	312.6	346.4	380.3	414.1	525.0	636.2	747.1	857.9
57.5°	282.0	275.9	269.8	297.5	325.7	353.4	381.1	501.3	621.1	741.4	861.2
60°	261.7	260.8	260.4	282.0	304.1	325.7	347.3	465.0	582.4	700.2	817.6
62.5°	244.1	246.2	247.8	265.3	282.9	300.0	317.5	431.2	545.3	659.1	772.8
65°	230.7	234.8	238.8	258.8	278.8	298.3	318.3	413.7	509.1	604.4	699.8
67.5°	214.4	219.3	224.2	250.3	276.3	302.4	328.5	407.2	485.8	564.5	643.2
70°	195.6	200.5	205.0	238.4	271.4	304.9	337.9	407.6	477.7	547.4	617.1
72.5°	173.6	177.7	181.8	217.6	253.5	289.4	325.2	384.3	443.4	502.1	561.2
75°	151.2	154.9	158.5	189.5	220.5	251.5	282.5	328.1	373.3	419.0	464.2
77.5°	126.3	129.6	132.5	153.2	174.0	194.8	215.6	250.7	285.3	320.4	355.0
80°	100.3	101.9	103.5	115.8	127.6	139.8	151.6	174.9	198.1	220.9	244.1
82.5°	73.4	73.4	73.4	81.1	89.3	97.0	104.7	116.6	128.0	139.8	151.2
85°	42.8	41.6	40.8	46.1	51.4	56.7	62.0	66.8	71.7	76.6	81.5
87.5°	6.9	5.3	4.1	7.3	10.6	13.9	17.1	18.7	20.8	22.4	24.0
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: P367514  
 CATALOG NUMBER: MSA-SA2C-830-U-SLR

**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: P367514

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

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	885.7	885.7	885.7	885.7	885.7	885.7	885.7	885.7	885.7	885.7	885.7
2.5°	962.3	948.8	935.0	921.1	941.5	961.9	982.3	1002.6	1056.8	1089.0	1091.1
5°	1084.2	1101.3	1118.4	1135.5	1152.6	1169.7	1186.5	1203.6	1291.6	1345.8	1356.0
7.5°	1062.6	1091.1	1119.2	1147.3	1195.8	1244.3	1292.8	1341.3	1415.9	1469.7	1505.2
10°	992.0	1027.1	1062.1	1097.2	1154.7	1212.5	1270.0	1327.5	1406.5	1477.5	1511.3
12.5°	1006.3	1062.1	1117.6	1173.4	1223.1	1273.3	1323.0	1372.7	1427.3	1454.2	1515.8
15°	1102.5	1141.2	1179.9	1218.7	1293.6	1368.2	1443.2	1517.8	1548.8	1610.3	1665.8
17.5°	1117.2	1188.1	1259.4	1330.3	1422.0	1513.7	1605.4	1697.2	1754.6	1834.1	1900.9
20°	1071.5	1171.8	1272.5	1372.7	1490.9	1609.5	1727.7	1845.9	1918.9	1985.7	2089.2
22.5°	1126.1	1237.0	1347.4	1458.3	1615.2	1771.7	1928.7	2085.2	2237.6	2386.8	2456.9
25°	1186.5	1334.8	1482.8	1630.7	1826.8	2022.4	2218.4	2414.1	2610.1	2749.9	2830.6
27.5°	1144.1	1292.8	1442.0	1590.8	1833.3	2076.2	2318.7	2561.2	2771.1	2939.4	3008.7
30°	1114.3	1296.9	1479.5	1662.1	1946.6	2231.1	2515.6	2800.1	2994.1	3182.0	3283.8
32.5°	1109.0	1343.4	1577.3	1811.7	2143.0	2474.0	2805.4	3136.3	3265.1	3431.8	3569.2
35°	1123.7	1381.3	1638.5	1895.6	2275.5	2655.4	3034.8	3414.7	3597.7	3762.8	3883.0
37.5°	1168.5	1455.9	1742.8	2030.1	2487.8	2946.0	3403.7	3861.4	4168.3	4470.3	4524.1
40°	1193.8	1498.7	1803.1	2107.6	2639.9	3172.2	3704.5	4236.8	4589.7	4921.1	4943.5
42.5°	1223.5	1554.1	1884.2	2214.8	2804.9	3395.5	3985.7	4575.9	5012.8	5369.0	5379.6
45°	1257.8	1597.7	1938.0	2277.9	2894.2	3510.1	4126.3	4742.2	5270.4	5703.2	5597.7
47.5°	1271.2	1636.8	2002.0	2367.2	3024.2	3680.8	4337.8	4994.4	5468.5	5862.2	5761.1
50°	1276.5	1675.1	2073.3	2471.5	3152.2	3833.3	4513.9	5194.6	5676.7	6060.7	5905.8
52.5°	1309.5	1745.7	2181.8	2617.9	3327.1	4036.2	4745.4	5454.6	5929.0	6297.9	6105.5
55°	1354.0	1850.0	2345.6	2841.6	3575.7	4309.3	5043.4	5777.0	6253.0	6596.2	6357.8
57.5°	1395.1	1929.5	2463.4	2997.3	3757.9	4518.8	5279.3	6039.9	6522.0	6861.6	6630.5
60°	1375.2	1932.7	2490.3	3047.9	3795.4	4542.4	5289.9	6037.0	6584.4	6991.6	6873.4
62.5°	1314.8	1856.9	2398.6	2940.7	3650.3	4359.4	5069.0	5778.2	6418.9	6941.0	6935.7
65°	1198.7	1697.6	2196.0	2694.9	3351.5	4008.5	4665.1	5321.7	6077.0	6711.2	6752.3
67.5°	1057.3	1471.4	1885.5	2299.5	2917.8	3536.1	4154.4	4772.7	5580.1	6279.9	6315.4
70°	920.3	1224.0	1527.2	1830.4	2373.3	2916.2	3458.7	4001.6	4817.2	5525.1	5557.7
72.5°	759.7	958.2	1156.3	1354.8	1794.6	2234.3	2673.7	3113.5	3829.6	4374.1	4557.9
75°	582.0	699.8	817.6	935.4	1291.2	1647.0	2002.4	2358.2	2834.3	3236.2	3443.2
77.5°	416.1	477.3	538.4	599.5	902.0	1204.4	1506.4	1808.8	2059.1	2286.9	2426.7
80°	273.1	301.6	330.5	359.1	610.6	862.0	1113.1	1364.6	1517.0	1639.3	1709.8
82.5°	165.5	179.7	193.6	207.9	411.7	615.4	818.8	1022.6	1109.8	1168.1	1230.9
85°	89.3	97.0	104.7	112.5	243.3	373.7	504.6	635.0	643.6	650.5	743.8
87.5°	26.1	28.5	30.6	32.6	53.8	75.4	96.6	117.8	73.4	45.6	93.7
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: P367514  
 CATALOG NUMBER: MSA-SA2C-830-U-SLR

**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: P367514

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

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	885.7	885.7	885.7	885.7	885.7	885.7	885.7	885.7	885.7	885.7	885.7
2.5°	1079.3	1074.0	1068.7	1063.0	1057.7	1035.2	1013.2	990.8	968.4	990.0	1011.2
5°	1344.2	1360.5	1376.4	1392.7	1409.0	1410.2	1411.0	1412.3	1413.1	1417.1	1421.2
7.5°	1534.9	1563.9	1592.4	1621.3	1650.3	1672.7	1695.1	1717.9	1740.4	1720.0	1699.6
10°	1551.2	1612.4	1673.5	1734.6	1795.8	1806.8	1817.4	1828.4	1839.4	1854.1	1868.3
12.5°	1567.5	1642.1	1716.3	1790.9	1865.5	1898.1	1930.3	1962.9	1995.1	2011.0	2026.5
15°	1739.9	1784.0	1827.6	1871.6	1915.2	1937.6	1959.6	1982.0	2004.5	2017.9	2031.0
17.5°	1961.7	1978.0	1993.9	2010.2	2026.5	2041.6	2056.6	2071.7	2086.8	2089.2	2091.7
20°	2163.8	2167.1	2169.9	2173.2	2176.1	2144.3	2112.9	2081.1	2049.3	2055.0	2060.3
22.5°	2467.1	2449.1	2431.6	2413.7	2396.1	2336.2	2276.7	2216.8	2157.3	2131.6	2106.4
25°	2923.5	2877.9	2832.3	2786.6	2741.0	2645.6	2550.6	2455.2	2360.3	2304.4	2249.0
27.5°	3070.7	2971.2	2872.2	2772.7	2673.3	2601.2	2529.4	2457.3	2385.5	2297.1	2208.7
30°	3368.2	3211.3	3054.8	2897.9	2741.0	2671.3	2601.6	2531.5	2461.8	2371.3	2281.2
32.5°	3631.9	3468.9	3305.9	3142.4	2979.4	2847.3	2715.3	2583.2	2451.2	2390.0	2328.9
35°	3937.2	3732.2	3527.2	3322.2	3117.1	3003.8	2890.9	2777.6	2664.7	2572.2	2480.1
37.5°	4381.9	4163.8	3945.8	3727.3	3509.2	3356.0	3203.1	3049.9	2897.1	2846.1	2795.6
40°	4805.7	4548.2	4291.0	4033.4	3776.2	3658.8	3541.4	3423.6	3306.3	3220.3	3134.3
42.5°	5160.7	4906.0	4651.7	4396.9	4142.6	4057.0	3971.8	3886.2	3801.1	3730.1	3659.2
45°	5282.6	5074.7	4867.3	4659.4	4451.6	4421.4	4391.6	4361.5	4331.7	4279.1	4226.6
47.5°	5478.6	5266.7	5055.2	4843.2	4631.3	4642.3	4653.3	4664.7	4675.7	4678.6	4681.0
50°	5594.0	5392.7	5191.7	4990.4	4789.4	4842.8	4895.8	4949.2	5002.6	5123.6	5244.3
52.5°	5762.3	5564.6	5367.4	5169.7	4972.0	5062.5	5152.6	5243.1	5333.1	5502.7	5672.2
55°	5973.4	5784.3	5595.6	5406.5	5217.8	5305.8	5393.5	5481.5	5569.1	5757.8	5946.5
57.5°	6253.5	6050.9	5848.7	5646.2	5444.0	5525.1	5605.8	5686.9	5767.6	5947.0	6126.3
60°	6572.2	6352.1	6132.0	5911.5	5691.4	5713.8	5735.8	5758.2	5780.3	5974.7	6168.7
62.5°	6728.7	6524.9	6321.5	6117.7	5913.9	5851.6	5789.2	5726.5	5664.1	5838.1	6011.8
65°	6593.0	6452.8	6313.0	6172.8	6032.5	5922.5	5812.9	5702.8	5592.8	5701.6	5810.0
67.5°	6160.9	6081.5	6002.4	5922.9	5843.4	5658.8	5474.2	5289.1	5104.5	5111.8	5118.8
70°	5460.7	5439.5	5418.7	5397.5	5376.3	5098.8	4821.6	4544.1	4266.5	4224.1	4181.7
72.5°	4573.4	4587.3	4600.7	4614.6	4628.4	4330.1	4031.8	3733.4	3435.1	3364.5	3294.0
75°	3542.3	3618.9	3695.5	3772.5	3849.2	3563.9	3278.5	2992.8	2707.5	2620.7	2533.9
77.5°	2502.9	2646.0	2788.6	2931.7	3074.8	2816.8	2559.2	2301.2	2043.2	1986.9	1930.7
80°	1745.2	1815.3	1885.5	1955.6	2025.7	1896.0	1766.4	1636.8	1507.2	1522.7	1537.8
82.5°	1271.2	1287.5	1303.4	1319.7	1336.0	1283.1	1230.1	1176.7	1123.7	1164.0	1204.4
85°	814.3	872.6	930.5	988.8	1046.7	988.0	929.3	870.2	811.5	838.4	865.3
87.5°	182.2	288.2	394.1	500.5	606.5	549.4	492.8	435.7	378.6	353.0	327.7
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: P367514  
 CATALOG NUMBER: MSA-SA2C-830-U-SLR

**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: P367514

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

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	885.7	885.7	885.7	885.7	885.7	885.7	885.7	885.7	885.7	885.7	885.7
2.5°	1032.8	1054.4	1047.9	1041.8	1035.2	1028.7	1040.5	1052.4	1064.6	1076.4	1072.3
5°	1425.7	1429.8	1391.1	1352.7	1314.0	1275.3	1299.4	1323.4	1347.4	1371.5	1362.9
7.5°	1679.2	1658.8	1636.4	1614.0	1591.2	1568.8	1563.9	1559.0	1553.7	1548.8	1542.3
10°	1883.0	1897.3	1882.6	1868.3	1853.7	1839.0	1804.8	1770.5	1735.9	1701.6	1687.4
12.5°	2042.4	2058.3	2061.9	2065.2	2068.9	2072.5	2034.2	1996.3	1958.0	1919.7	1885.0
15°	2044.4	2057.9	2069.7	2081.1	2092.9	2104.3	2080.7	2057.4	2033.8	2010.2	1999.2
17.5°	2094.5	2097.0	2087.2	2077.8	2068.0	2058.7	2049.3	2040.3	2031.0	2022.0	2004.5
20°	2066.0	2071.7	2070.5	2069.3	2067.6	2066.4	2067.2	2067.6	2068.5	2068.9	2059.1
22.5°	2080.7	2055.0	2060.3	2065.2	2070.5	2075.4	2090.1	2104.7	2119.8	2134.5	2173.6
25°	2193.2	2137.3	2128.8	2120.6	2112.1	2103.9	2142.2	2180.1	2218.4	2256.8	2320.3
27.5°	2119.8	2031.4	2011.8	1992.2	1972.7	1953.1	2011.4	2069.3	2127.6	2185.8	2250.6
30°	2190.7	2100.7	2057.4	2014.2	1970.6	1927.4	1983.3	2038.7	2094.5	2150.0	2221.7
32.5°	2267.8	2206.6	2177.7	2149.2	2120.2	2091.7	2096.2	2100.7	2105.1	2109.6	2210.7
35°	2387.6	2295.1	2266.5	2238.0	2209.5	2180.9	2228.6	2275.9	2323.6	2370.9	2456.5
37.5°	2744.6	2693.7	2642.3	2591.0	2539.2	2487.8	2516.0	2544.1	2572.2	2600.3	2681.0
40°	3048.3	2962.3	2953.7	2945.6	2937.0	2928.4	2930.9	2932.9	2935.4	2937.8	3006.7
42.5°	3587.9	3517.0	3473.4	3429.8	3386.1	3342.5	3339.7	3336.8	3333.6	3330.7	3382.5
45°	4173.6	4121.0	4088.4	4055.8	4022.8	3990.2	3938.4	3886.7	3834.5	3782.7	3828.0
47.5°	4683.9	4686.7	4745.8	4804.5	4863.6	4922.7	4834.3	4745.8	4657.4	4568.9	4510.7
50°	5365.3	5486.0	5500.3	5514.1	5528.4	5542.6	5392.7	5243.1	5093.1	4943.1	4882.0
52.5°	5842.2	6011.8	5989.8	5968.1	5946.1	5924.1	5837.3	5750.9	5664.1	5577.3	5444.0
55°	6135.7	6324.4	6307.7	6291.4	6274.6	6257.9	6194.8	6131.6	6068.4	6005.2	5858.9
57.5°	6305.6	6485.0	6489.8	6494.7	6499.6	6504.5	6487.8	6471.1	6454.4	6437.7	6247.3
60°	6363.1	6557.5	6559.5	6561.2	6563.2	6564.8	6538.3	6511.9	6485.0	6458.5	6334.2
62.5°	6185.8	6359.4	6367.2	6374.5	6382.2	6390.0	6371.6	6353.3	6335.0	6316.6	6224.5
65°	5918.8	6027.7	6029.7	6031.3	6033.4	6035.4	5988.9	5942.9	5896.4	5850.0	5827.9
67.5°	5126.1	5133.4	5176.6	5219.8	5263.0	5306.2	5309.9	5313.6	5317.7	5321.3	5289.5
70°	4139.4	4097.0	4143.8	4190.7	4237.6	4284.4	4304.4	4324.4	4344.8	4364.7	4379.4
72.5°	3223.1	3152.6	3187.3	3221.9	3256.9	3291.6	3261.8	3232.1	3202.3	3172.6	3266.7
75°	2447.1	2360.3	2355.8	2351.7	2347.2	2343.2	2328.1	2313.0	2297.5	2282.4	2370.5
77.5°	1874.0	1817.8	1820.6	1823.1	1825.9	1828.4	1812.9	1797.8	1782.3	1766.8	1800.7
80°	1553.3	1568.4	1568.8	1569.2	1569.6	1570.0	1555.3	1541.0	1526.4	1511.7	1487.2
82.5°	1245.1	1285.5	1285.1	1285.1	1284.7	1284.3	1283.5	1282.6	1281.4	1280.6	1240.7
85°	892.2	919.1	891.4	863.7	835.9	808.2	828.6	849.0	869.8	890.1	873.4
87.5°	302.0	276.7	243.7	211.1	178.1	145.1	180.6	216.0	251.9	287.3	307.7
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: P367514  
 CATALOG NUMBER: MSA-SA2C-830-U-SLR

**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: P367514

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

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	885.7	885.7	885.7	885.7	885.7	885.7	885.7	885.7	885.7	885.7	885.7
2.5°	1068.7	1064.6	1060.9	1035.2	1009.2	983.5	957.4	1004.7	1052.4	1099.6	1146.9
5°	1354.8	1346.2	1338.1	1336.0	1334.0	1331.6	1329.5	1353.6	1377.6	1401.2	1425.3
7.5°	1535.7	1529.2	1522.7	1505.6	1488.9	1471.8	1454.6	1469.3	1483.6	1498.3	1512.5
10°	1673.5	1659.2	1645.0	1607.9	1571.2	1534.1	1497.0	1486.0	1475.0	1464.0	1453.0
12.5°	1850.4	1815.3	1780.7	1738.7	1696.3	1654.4	1612.0	1606.3	1600.6	1595.3	1589.5
15°	1988.6	1977.6	1966.6	1933.1	1899.7	1866.3	1832.9	1788.0	1742.8	1698.0	1653.1
17.5°	1987.3	1969.8	1952.7	1997.5	2042.0	2086.8	2131.2	2083.5	2035.4	1987.8	1940.1
20°	2049.3	2039.1	2029.3	2112.1	2194.4	2277.1	2359.5	2333.4	2306.9	2280.8	2254.3
22.5°	2212.3	2251.5	2290.2	2361.1	2431.6	2502.5	2573.0	2602.8	2632.5	2662.3	2692.0
25°	2383.5	2447.1	2510.7	2616.2	2721.4	2827.0	2932.5	2953.7	2974.9	2996.1	3017.3
27.5°	2315.0	2379.8	2444.6	2524.5	2604.0	2683.9	2763.4	2856.3	2949.6	3042.6	3135.5
30°	2293.0	2364.8	2436.1	2545.7	2655.0	2764.6	2874.2	3002.2	3130.2	3257.8	3385.7
32.5°	2311.4	2412.4	2513.5	2661.9	2809.8	2958.2	3106.6	3241.1	3376.0	3510.5	3645.0
35°	2541.6	2627.2	2712.4	2878.3	3044.2	3210.1	3376.0	3533.7	3691.4	3848.7	4006.5
37.5°	2761.3	2842.0	2922.7	3092.3	3261.4	3431.0	3600.5	3849.6	4099.0	4348.0	4597.1
40°	3075.2	3144.0	3212.5	3357.6	3502.7	3647.8	3792.9	4093.3	4393.7	4694.1	4994.4
42.5°	3433.8	3485.6	3537.0	3687.3	3837.7	3988.1	4138.5	4465.4	4792.7	5119.6	5446.5
45°	3872.8	3918.0	3963.3	4066.8	4170.3	4274.3	4377.8	4714.8	5051.9	5389.0	5726.0
47.5°	4452.4	4394.1	4335.8	4386.8	4437.7	4488.6	4539.6	4873.0	5206.4	5539.4	5872.8
50°	4820.8	4759.7	4698.5	4703.0	4707.1	4711.6	4716.1	5027.1	5338.0	5648.6	5959.6
52.5°	5310.7	5177.0	5043.8	5042.5	5041.3	5039.7	5038.5	5309.5	5581.0	5852.0	6123.0
55°	5712.6	5566.3	5420.0	5391.4	5362.9	5334.0	5305.4	5573.6	5841.4	6109.6	6377.4
57.5°	6057.0	5866.3	5675.9	5631.1	5586.2	5541.4	5496.6	5785.6	6074.9	6363.9	6652.9
60°	6210.2	6085.9	5962.0	5907.0	5852.0	5797.0	5741.9	5988.1	6234.3	6480.1	6726.2
62.5°	6132.8	6040.7	5949.0	5961.6	5974.3	5986.9	5999.5	6140.1	6281.2	6421.8	6562.4
65°	5806.3	5784.3	5762.7	5864.6	5966.5	6068.4	6170.3	6172.3	6174.4	6176.4	6178.5
67.5°	5257.7	5226.0	5194.2	5406.1	5617.6	5829.6	6041.5	5940.8	5840.2	5739.9	5639.2
70°	4393.7	4408.4	4422.6	4711.2	4999.3	5287.9	5576.5	5430.6	5284.2	5138.3	4992.0
72.5°	3360.9	3455.4	3549.6	3848.7	4147.9	4447.1	4746.2	4579.5	4412.4	4245.7	4078.6
75°	2458.5	2546.5	2634.6	2930.1	3225.6	3521.5	3817.0	3618.9	3420.8	3223.1	3025.0
77.5°	1834.5	1868.7	1902.6	2148.3	2393.7	2639.5	2884.8	2685.9	2487.0	2288.5	2089.6
80°	1463.2	1438.7	1414.7	1550.8	1687.0	1823.1	1959.2	1818.2	1676.8	1535.7	1394.7
82.5°	1201.1	1161.2	1121.7	1172.2	1222.7	1273.7	1324.2	1211.3	1098.4	985.5	872.6
85°	856.7	840.0	823.3	838.0	852.2	866.9	881.6	771.5	661.5	551.9	441.8
87.5°	327.7	348.1	368.4	391.7	414.5	437.7	460.6	360.7	260.8	161.4	61.5
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):**

	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°	885.7	885.7
2.5°	1166.5	1186.0
5°	1424.9	1424.5
7.5°	1506.0	1499.1
10°	1435.1	1417.1
12.5°	1536.6	1483.2
15°	1600.1	1546.8
17.5°	1859.8	1779.1
20°	2158.5	2062.3
22.5°	2545.7	2399.4
25°	2842.4	2667.2
27.5°	3031.6	2927.2
30°	3266.3	3146.9
32.5°	3556.9	3468.5
35°	3925.8	3844.7
37.5°	4571.8	4546.1
40°	4963.9	4932.9
42.5°	5447.7	5448.5
45°	5744.4	5762.7
47.5°	5919.2	5965.3
50°	6058.6	6157.3
52.5°	6257.9	6392.8
55°	6556.7	6735.6
57.5°	6805.3	6957.7
60°	6805.3	6884.0
62.5°	6560.4	6557.9
65°	6140.6	6102.2
67.5°	5591.1	5543.0
70°	4917.0	4841.6
72.5°	3985.3	3891.5
75°	2896.6	2767.9
77.5°	2028.5	1967.0
80°	1424.5	1454.2
82.5°	915.0	957.4
85°	435.3	428.8
87.5°	51.4	41.2
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: P367514  
CATALOG NUMBER: MSA-SA2C-830-U-SLR

**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)