

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: P368151

Luminaire Tested: **MSA-SA3D-760-U-SLR-HSS**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P368151
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-760-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

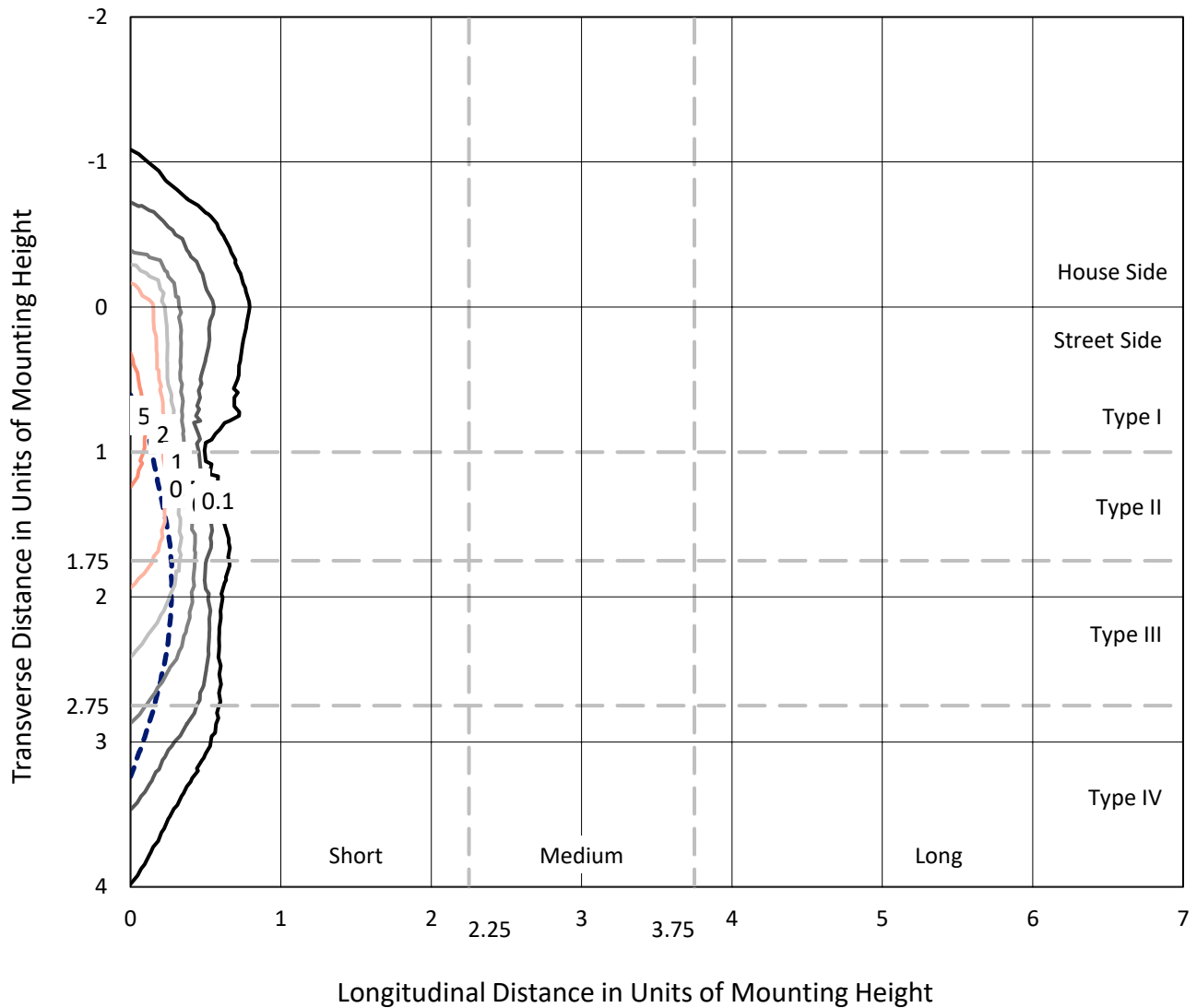
Input Watts (W): 192
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P368151
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Iso-Footcandle Lines of Horizontal Illumination

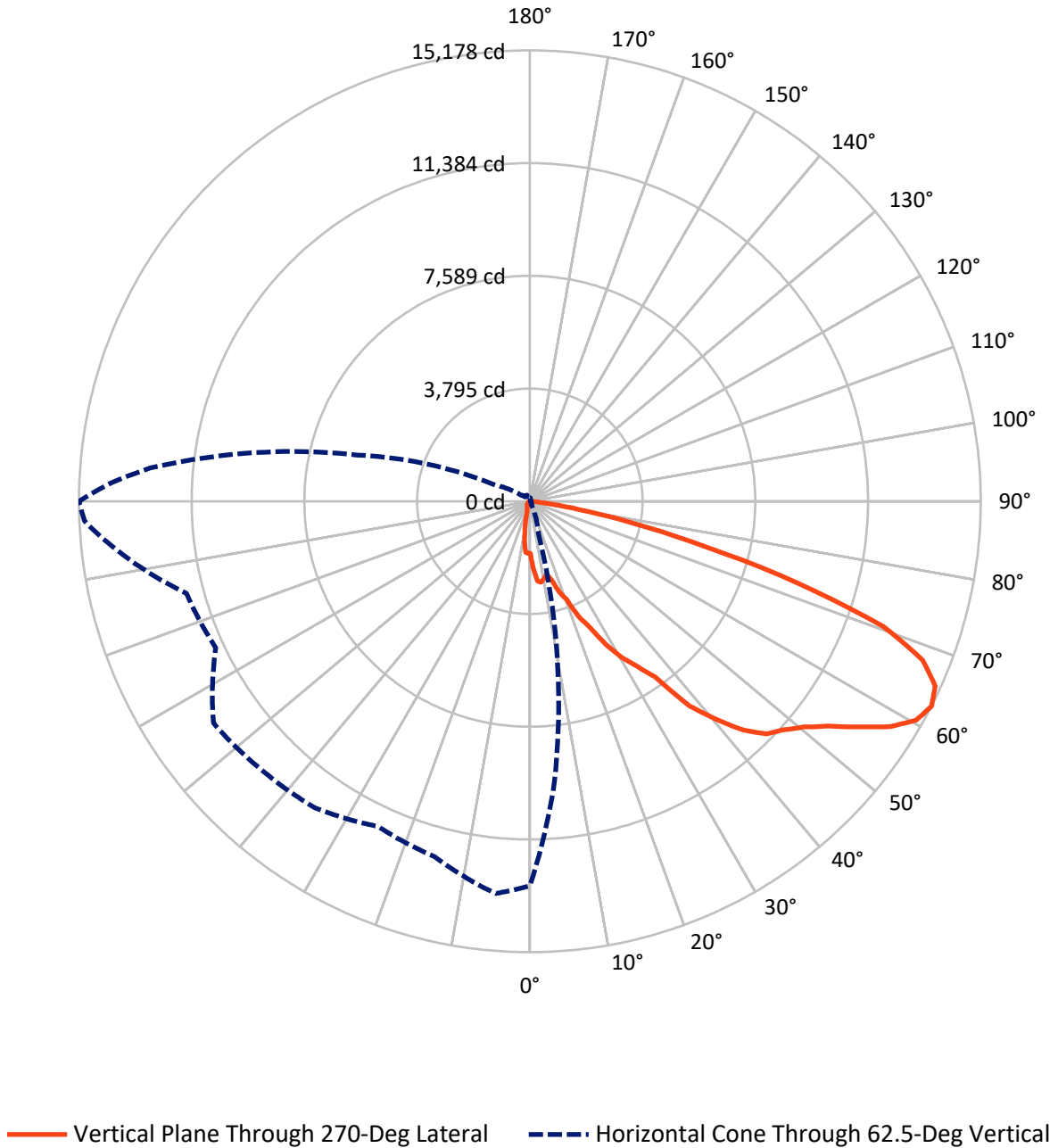
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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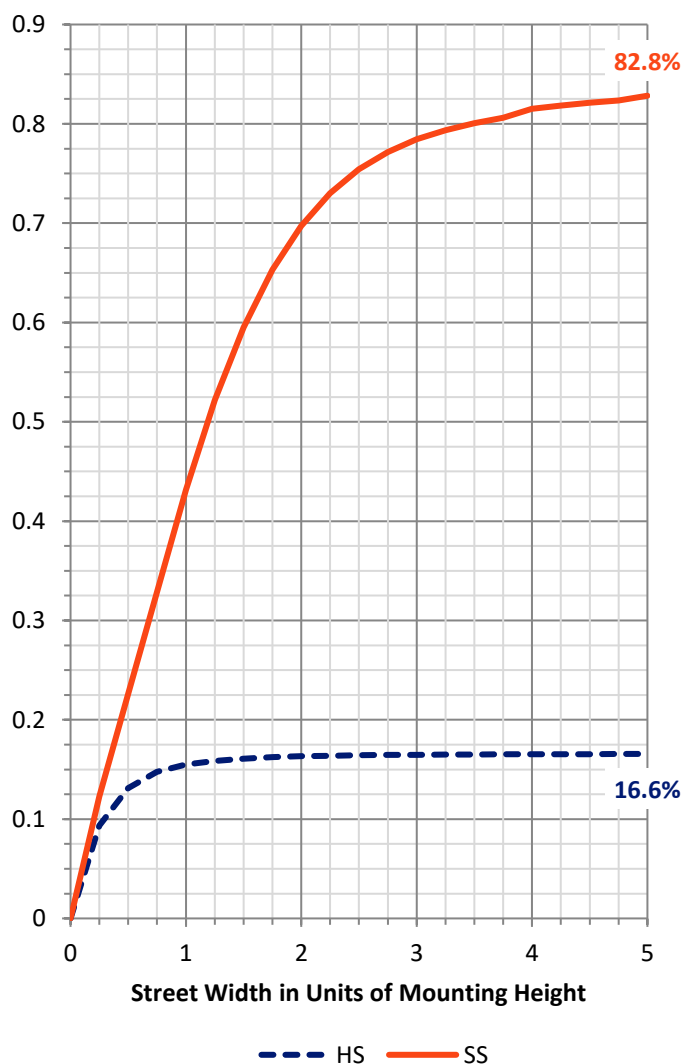
FLUX DISTRIBUTION:

| | | 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

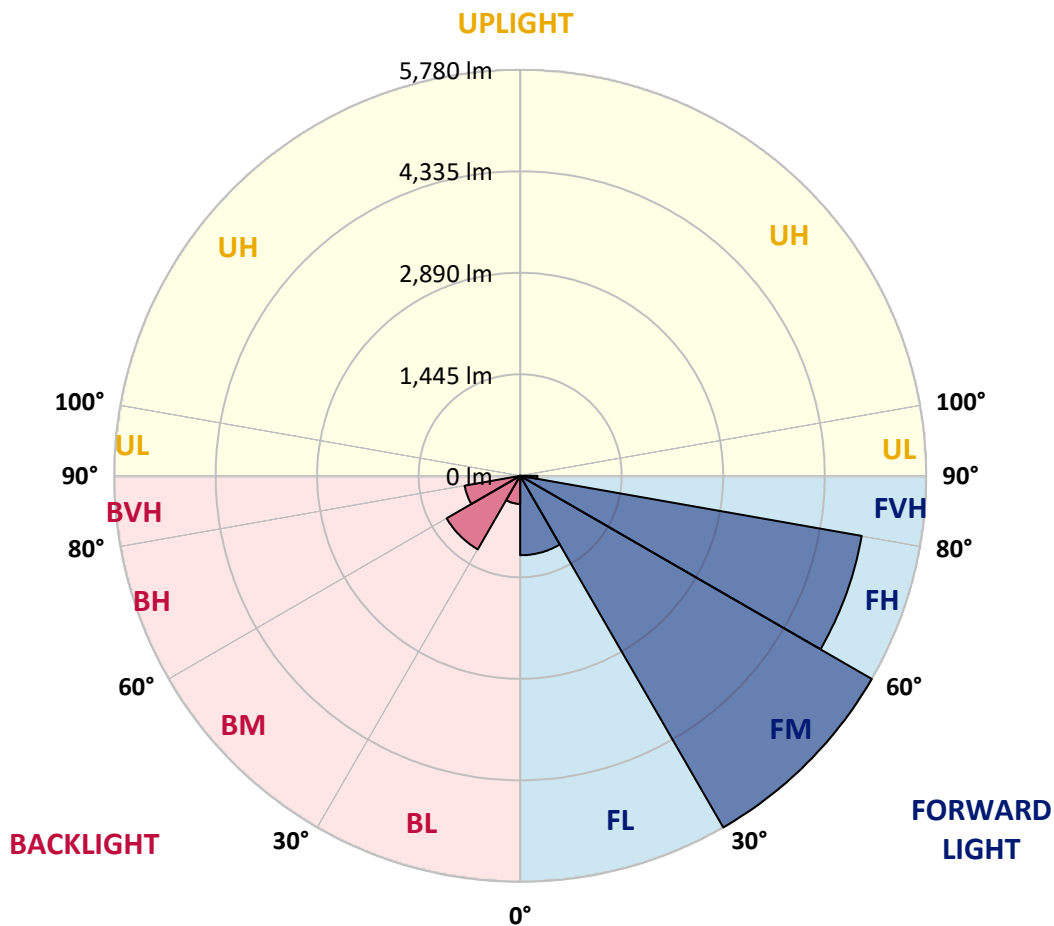


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| 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





REPORT NUMBER: P368151

CATALOG NUMBER: MSA-SA3D-760-U-SLR-HSS

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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 CATALOG NUMBER: MSA-SA3D-760-U-SLR-HSS

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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CATALOG NUMBER: MSA-SA3D-760-U-SLR-HSS

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: P368151
 CATALOG NUMBER: MSA-SA3D-760-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: P368151
 CATALOG NUMBER: MSA-SA3D-760-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: P368151
 CATALOG NUMBER: MSA-SA3D-760-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: P368151

CATALOG NUMBER: MSA-SA3D-760-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: P368151
 CATALOG NUMBER: MSA-SA3D-760-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: P368151
 CATALOG NUMBER: MSA-SA3D-760-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: P368151
 CATALOG NUMBER: MSA-SA3D-760-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: P368151
 CATALOG NUMBER: MSA-SA3D-760-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: P368151
 CATALOG NUMBER: MSA-SA3D-760-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 |



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 CATALOG NUMBER: MSA-SA3D-760-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: P368151
 CATALOG NUMBER: MSA-SA3D-760-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: P368151

CATALOG NUMBER: MSA-SA3D-760-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: P368151
 CATALOG NUMBER: MSA-SA3D-760-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: P368151

CATALOG NUMBER: MSA-SA3D-760-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: P368151
 CATALOG NUMBER: MSA-SA3D-760-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: P368151

CATALOG NUMBER: MSA-SA3D-760-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: P368151
 CATALOG NUMBER: MSA-SA3D-760-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: P368151

CATALOG NUMBER: MSA-SA3D-760-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: P368151
 CATALOG NUMBER: MSA-SA3D-760-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: P368151

CATALOG NUMBER: MSA-SA3D-760-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: P368151
 CATALOG NUMBER: MSA-SA3D-760-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 |



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CATALOG NUMBER: MSA-SA3D-760-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: P368151
 CATALOG NUMBER: MSA-SA3D-760-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: P368151
 CATALOG NUMBER: MSA-SA3D-760-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 |



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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)