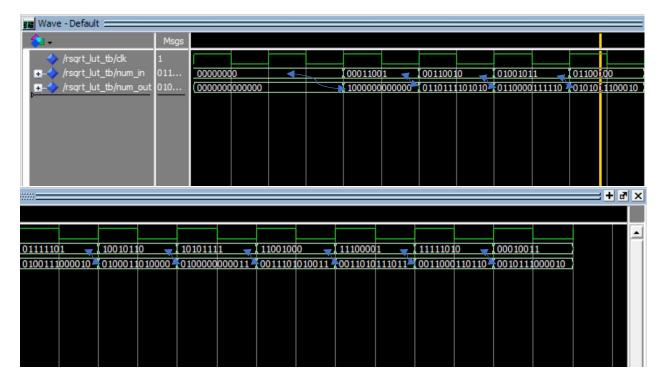Below are the results for the ModelSim simulations:

And the matching values confirmed on the MIF (note that it takes 1 clock cycle for the value to appear, e.g. the value for 00000000 appears under 00011001. This is expected and will be compensated for in our design) It can be compared to the above values to confirm accuracy.

```
00000000 : 1000000000000;    -- 1 : (1)^(-3/2)=1

00011001 : 0110111101010;    -- 26 : (1.0977)^(-3/2)=0.86963

00110010 : 0110000111110;    -- 51 : (1.1953)^(-3/2)=0.76514

01001011 : 0101011100010;    -- 76 : (1.293)^(-3/2)=0.68018

01100100 : 0100111000010;    -- 101 : (1.3906)^(-3/2)=0.60986

01111101 : 0100011010000;    -- 126 : (1.4883)^(-3/2)=0.55078

10010110 : 0100000000011;    -- 151 : (1.5859)^(-3/2)=0.50073

10101111 : 0011101010011;    -- 176 : (1.6836)^(-3/2)=0.45776

11001000 : 0011010111011;    -- 201 : (1.7813)^(-3/2)=0.42065

11100001 : 0011000110110;    -- 226 : (1.8789)^(-3/2)=0.38818

11111010 : 0010111000010;    -- 251 : (1.9766)^(-3/2)=0.35986
```