



### Kimberly Star

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Angles for R.I. = 1.720

51 + 5 girdles = 56 facets

5-fold, mirror-image symmetry

80 index

LW = 1.051 T/W = 0.594 UW = 0.565

PW = 0.473 C/W = 0.087

Vol./W<sup>3</sup> = 0.194

#### PAVILION

- |   |        |                               |  |
|---|--------|-------------------------------|--|
| 1 | 90.00° | 80-16-32-48-64                | Carefully cut 5 girdle facets to same depth.             |
| 2 | 62.00° | 80-16-32-48-64                | Cut 5 break facets, make even girdle line.               |
| 3 | 43.00° | 04-12-20-28-36-44-52-60-68-76 | Cut ten facets, meet Step 2 at girdle.                   |
| 4 | 40.70° | 08-24-40-56-72                | Carefully cut 5 mains to meet at centerpoint and girdle. |
| 5 | 40.00° | 80-16-32-48-64                | Cut 5 mains to meet at centerpoint and girdle.           |

#### CROWN

- |   |        |                |  |
|---|--------|----------------|--|
| A | 40.00° | 80-16-32-48-64 | Cut five break facets, establish girdle width.               |
| B | 28.00° | 80-16-32-48-64 | Cut five facets by eye to approximate ratio seen in diagram. |
| C | 18.00° | 80-16-32-48-64 | Cut 5 facets, match width of B.                              |
| D | 0.00°  | Table          | Cut and polish table to about 62% of stone diameter.         |
| E | 8.00°  | 80-16-32-48-64 | Cut five star facets to equal width of Step C.               |
| F | 19.00° | 08-24-40-56-72 | Cut 5 large break facets to break ALL step facet meets.      |

Excellent in light to medium dark materials 1.6 and above. For quartz, TR pavilion step 5 to 41 degrees.  
 E:\My Documents\Faceting\Facet Designs\Kimberly Star.gem