

Star of Iowa

Wayne Emery, Copyright 2007

Angles for R.I. = 1.720

82 + 9 girdles = 91 facets

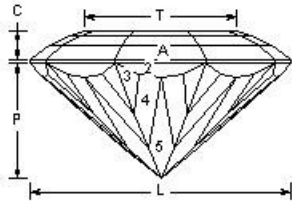
9-fold, mirror-image symmetry

72 index

LW = 1.015 T/W = 0.591 UW = 0.582

PW = 0.450 C/W = 0.114

Vol./W³ = 0.199



PAVILION

- | | | | |
|---|--------|---|---|
| 1 | 90.00° | 72-08-16-24-32-40-48-56-64 | Carefully cut nine facets to same depth to make girdle. |
| 2 | 62.94° | 72-08-16-24-32-40-48-56-64 | Make even girdle line. |
| 3 | 42.80° | 03-05-11-13-19-21-27-29-35-37-43-45-51-53-59-61-67-69 | Meet at girdle. |
| 4 | 41.50° | 01-07-09-15-17-23-25-31-33-39-41-47-49-55-57-63-65-71 | Bisect the culet-side edge of Step 2. |
| 5 | 41.00° | 72-08-16-24-32-40-48-56-64 | Meet at final CP and Step 2. |

CROWN

- | | | | |
|---|--------|----------------------------|---|
| A | 38.00° | 72-08-16-24-32-40-48-56-64 | Cut nine breaks to a level girdle. |
| B | 0.00° | Table | Cut to about 70% of stone diameter, polish table NOW. |
| C | 18.00° | 72-08-16-24-32-40-48-56-64 | Cut nine facets to make table 57-60% of diameter. |
| D | 28.00° | 72-08-16-24-32-40-48-56-64 | Cut nine facets to split A and C as desired. |

Excellent for RI 1.72 and above. Best with light to medium material. Raising all crown facets will increase dispersion, but lower light return. If cut is used commercially, please give credit.

E:\My Documents\Faceting\Facet Designs\Star of Iowa.gem