



Valentine Star by Wayne Emery

Angles for R.I. = 1.720
 65 + 8 girdles = 73 facets
 8-fold mirror-image symmetry
 96 index
 $L/W = 1.000$ $T/W = 0.566$ $U/W = 0.566$
 $P/W = 0.422$ $C/W = 0.153$
 $Vol./W^3 = 0.193$

Pavilion

A	90.00	06-18-30-42-54-66-78-90
1	44.00	06-18-30-42-54-66-78-90
2	39.18	96-12-24-36-48-60-72-84

size stone create girdle outline
 set girdle width
 float in to set pavilion (P/W) length correctly

Crown

B	47.60	06-18-30-42-54-66-78-90
C	37.00	03-09-15-21-27-33-39-45-51-57-63-69-75-81-87-93
D	27.95	96-12-24-36-48-60-72-84
E	25.48	06-18-30-42-54-66-78-90
F	42.08	06-18-30-42-54-66-78-90
G	0.00	Table

Create level girdle
 GMP 1, B, B, 1
 cut to 0.6366 of stone width toward girdle
 float to set size of the heart about equal to D
 float to set size of middle of heart
 MP E, D, E