Sultana CAM Preform
by Ernie Hawes
CAM Preform created by Jeff Theesfeld
Angles for R.I. = 1.650
16 + 16 girdles = 32 facets
1-fold, mirror-image symmetry
96 index
L/W = 1.101
C/W = 0.304
Vol./W³ = 0.698

PREFORM
A 30.00°  21-75  Cut to CAM TCP established as described below
B 28.97°  28-68  Cut to CAM TCP
C 31.38°  36-60  Cut to CAM TCP
D 34.28°  42-54  Cut to CAM TCP
E 35.62°  46-50  Cut to CAM TCP
F 31.42°  16-80  Cut to CAM TCP
G 31.87°  11-85  Cut to CAM TCP
H 30.68°  07-89  Cut to CAM TCP
g1 90.00°  46-50  Estimate girdle depth and level with E
g2 90.00°  42-54  Meet E and g1, level girdle
g3 90.00°  36-60  Meet D and g2, level girdle
g4 90.00°  28-68  Meet C and g3, level girdle
g5 90.00°  21-75  Meet B and g4, level girdle
g6 90.00°  16-80  Meet A and g5, level girdle
g7 90.00°  11-85  Meet F and g6, level girdle
g8 90.00°  07-89  Meet H and g7, level girdle, take to 8,000 grit min.

Start this gem by cutting in four facets at Index settings 12, 36, 60 and 84
at 24 degrees in order to create an exact TCP in line with the dop centerline.
Then proceed to the sequence listed