

### Oliveira's Garnet

by Arya Akhavan (July 2015)

Angles for R.I. = 1.720

57 + 16 girdles = 73 facets

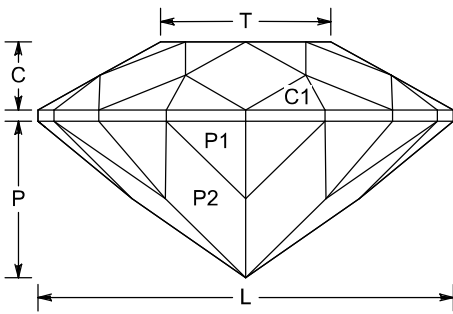
8-fold, mirror-image symmetry

96 index

$L/W = 1.000$   $T/W = 0.410$   $U/W = 0.410$

$P/W = 0.377$   $C/W = 0.164$

$Vol./W^3 = 0.190$



#### PAVILION

P1 40.00° 03-09-15-21-27-33-39-45-51-57-63-69-75-81-87-93 Cut to centerpoint.

G1 90.00° 03-09-15-21-27-33-39-45-51-57-63-69-75-81-87-93 Set stone size.

P2 37.00° 06-18-30-42-54-66-78-90 Meet P1, G1

#### CROWN

C1 35.00° 03-09-15-21-27-33-39-45-51-57-63-69-75-81-87-93 Set girdle width.

C2 29.00° 96-12-24-36-48-60-72-84 Meet G1, C1

C3 23.00° 06-18-30-42-54-66-78-90 Meet C1, C2

T 0.00° Table Meet C2, C3

This simple round design was written for Craig Oliveira, for a piece of medium-dark iron-bearing Montana garnet. It's shallow, to help lighten the darker garnets, and features larger-than-normal P2 facets to help with the "flash" lightening effect. It also works very well in tabular Montana or dark Australian sapphires. Works in materials from garnet to rutile (RI = 1.72 - 2.62) with no changes. Looks awesome in rutile BTW.

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