

THE ILLUMINATOR CUT

Designed by Jim Perkins

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Angles for R.I. = 1.540

49 + 16 girdles = 65 facets

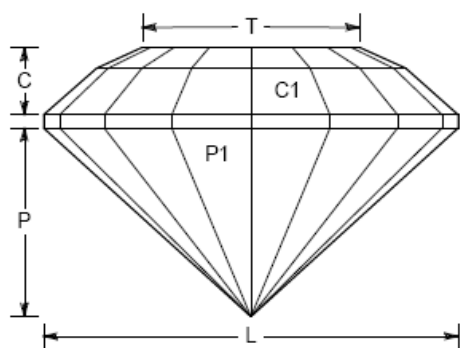
8-fold, mirror-image symmetry

96 index

$L/W = 1.000$ $T/W = 0.523$ $U/W = 0.523$

$P/W = 0.457$ $C/W = 0.163$

$Vol./W^3 = 0.223$



PAVILION

P1 43.00° 03-09-15-21-27-33-39-45-51-57-63-69-75-81-87-93 Cut to PCP.

P2 90.00° 03-09-15-21-27-33-39-45-51-57-63-69-75-81-87-93 Cut to size.

CROWN

C1 42.00° 03-09-15-21-27-33-39-45-51-57-63-69-75-81-87-93 Level girdle.

C2 25.00° 03-09-15-21-27-33-39-45-51-57-63-69-75-81-87-93 Cut to equal depth.

C3 0.00° Table Cut to size.

This should be a fairly simple cut and can easily be modified for any material. However, at the same time it performs surprisingly well optically even though it has very few facets at least by my standards.

I think this is a great little design to cut for gifts and donations for fund raisers. I hope you give this one a try because I think you'll be surprised at its beauty. Enjoy!