



Deep End

by Robert Strickland

Gemology Online Faceting Design Competition 2014

Maximize Entry 8

Angles for R.I. = 1.720

69 + 12 girdles = 81 facets

4-fold, mirror-image symmetry

96 index

L/W = 1.000 T/W = 0.506 U/W = 0.506

P/W = 0.565 C/W = 0.273

(G2 G2)/W = 1.268

Vol./W³ = 0.393

CROWN

X1 54.74° 96-24-48-72 Equilateral octahedron - crown half.

PAVILION

X2 54.74° 96-24-48-72 Equilateral octahedron - pavilion half.

X3 48.14° 09-15-33-39-57-63-81-87 Meet apex of equilateral octahedron - pavilion half.

PAVILION

X2 54.74° 96-24-48-72 Equilateral octahedron - pavilion half (retain from preform).

G1 90.00° 96-24-48-72 Set stone size.

G2 90.00° 09-15-33-39-57-63-81-87 Level girdle.

P2 42.00° 03-09-15-21-27-33-39-45-51-57-63-69-75-81-87-93 Level girdle (removes X3) (start with index 9).

P3 50.61° 01-23-25-47-49-71-73-95 Meet P1, G1, G2, P2

P4 40.75° 06-18-30-42-54-66-78-90 Meet P2, P3

CROWN

C1 54.74° 96-24-48-72 Set girdle width (removes X1).

C2 47.67° 09-15-33-39-57-63-81-87 Level girdle.

C3 49.15° 01-23-25-47-49-71-73-95 Meet G1, G2, C1, C2

C4 40.00° 96-24-48-72 Meet C1, C3; C2, C3

C5 22.78° 03-21-27-45-51-69-75-93 Meet C2, C3, C4

T 0.00° Table Meet C4, C5