

### Sultan's Seat

(keel pavilion)

by John Bailey, 2005

Angles for R.I. = 1.540

67 + 18 girdles = 85 facets

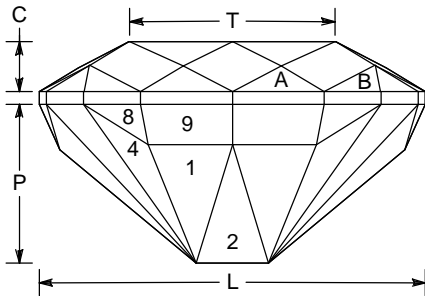
2-fold, mirror-image symmetry

96 index

$L/W = 1.250$   $T/W = 0.665$   $U/W = 0.430$

$P/W = 0.515$   $C/W = 0.162$

$Vol./W^3 = 0.392$



#### PAVILION

1	42.58°	01-47-49-95	CTP - Preform at 42.5 degrees!
G1	90.00°	01-47-49-95	Calibrate width
2	42.00°	96-48	Meet 1, G1
3	42.00°	18-30-66-78	Meet 1, 2, 3, 4
4	42.00°	09-39-57-87	Meet 1, 2
5	42.00°	12-36-60-84	Meet 1, 2, 3
G2	90.00°	03-45-51-93	Meet 1, 3, G1
G3	90.00°	12-36-60-84	Meet 3, 4, G2
G4	90.00°	22-26-70-74	Meet 4, 5, G3
6	60.00°	22-26-70-74	Meet 4, 5, G3, G4
7	65.50°	24-72	Meet 5, 6
G5	90.00°	24-72	Meet 5, 6, 7
8	60.00°	03-45-51-93	Meet 3, 4, G2, G3
9	60.66°	01-47-49-95	Meet 8, G, G2 - Overcuts #2 until #1 adjusted

#### CROWN

A	31.50°	01-47-49-95	Set girdle thickness
B	32.20°	03-45-51-93	Even girdle
C	38.50°	12-36-60-84	Even girdle
D	31.40°	22-26-70-74	Even girdle
E	31.00°	24-72	Even girdle
F	29.60°	96-48	Meet A, G1
G	30.00°	02-46-50-94	Meet A, B, Girdle
H	29.30°	23-25-71-73	Meet D, E, Girdle
I	27.90°	01-47-49-95	Meet A, F, G
J	27.30°	24-72	Meet E, H and G, H, I
T	0.00°	Table	Meet F, I and G, H, I, J

2005 Member's Choice Design Award

COS Brightness = 68.9

E:\Dvue2\MyGems\SltNKeel.gem