

## Houseki Cushion

by John Bailey, 2005

Angles for R.I. = 1.620

63 + 12 girdles = 75 facets

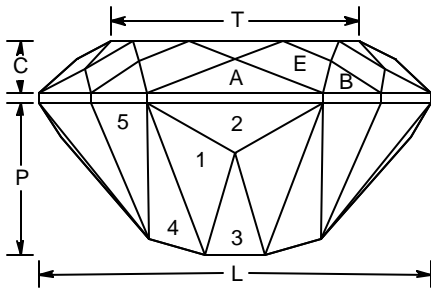
2-fold, mirror-image symmetry

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L/W = 1.215 T/W = 0.767 U/W = 0.576

P/W = 0.473 C/W = 0.163

Vol./W<sup>3</sup> = 0.342



### PAVILION

G1	90.00°	08-40-56-88	
G2	90.00°	96-48	
1	42.00°	03-45-51-93	Meet A, B, G1, G2 of preform
2	51.70°	96-48	Meet 1, G1, G2
3	40.00°	96-48	Meet 1, 2
4	41.70°	05-43-53-91	Meet 1, G1, G2
5	44.20°	08-40-56-88	Meet 1, 2, 4, G1, G2
6	49.90°	16-32-64-80	Meet 4, 5
7	49.60°	20-28-68-76	Meet 4, 5, 6
G3	90.00°	16-32-64-80	Meet 5, 6, G1
G4	90.00°	24-72	Meet 6, 7, G3
8	60.00°	24-72	Meet 6, 7, G3, G4

### CROWN

A	46.60°	96-48	Fix girdle width
B	40.60°	08-40-56-88	Even girdle
C	43.80°	16-32-64-80	Even girdle
D	43.00°	24-72	Even girdle
E	35.00°	03-45-51-93	Meet A, B, Girdle
F	34.60°	13-35-61-83	Meet B, C, Girdle
G	35.60°	19-29-67-77	Meet C, D, Girdle
H	26.90°	96-48	Meet A, E
J	26.00°	08-40-56-88	Meet B, E, F
K	32.00°	16-32-64-80	Meet C, F, G
L	27.40°	24-72	Meet G, D
T	0.00°	Table	

use preform hc-pre.gem

E:\Dvue2\MyGems\Houseki.gem