

## Sultana

by Ernie Hawes

Angles for R.I. = 1.540

61 + 16 girdles = 77 facets

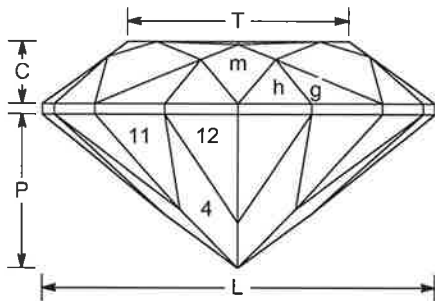
1-fold, mirror-image symmetry

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$L/W = 1.101$   $T/W = 0.619$   $U/W = 0.503$

$P/W = 0.432$   $C/W = 0.174$

$Vol./W^3 = 0.231$



### PAVILION

1	44.50°	44-52	Cut to even center line
2	38.50°	32-64	Create center point
3	39.90°	18-78	Cut to center point created by 1 & 2
4	40.50°	09-87	
g1	90.00°	46-50	Set girdle depth
5	46.50°	46-50	
6	45.19°	42-54	Meet at juncture 1, 5 & g1
g2	90.00°	42-54	Meet g1 at tip of 1
7	42.34°	36-60	Meet at juncture of 1, 2 & 6
g3	90.00°	36-60	Cut level with g2
8	39.13°	28-68	Meet at juncture of 2, 7 & g3
g4	90.00°	28-68	Cut level with g3
9	40.37°	21-75	Meet at juncture of 2, 3 & 8
g5	90.00°	21-75	Cut level with g4
10	42.06°	16-80	Meet at juncture of 3, 4 & g5
g6	90.00°	16-80	Cut level with g5
11	42.68°	11-85	Meet at juncture of 3, 4 & 10
g7	90.00°	11-85	Cut level with g6
12	40.85°	07-89	Meet at juncture of 4, 11 & g7
g8	90.00°	07-89	Cut level with g7

### CROWN

a	52.07°	46-50	Set girdle thickness
b	50.29°	42-54	Cut level girdle line with a
c	45.24°	36-60	Cut level girdle line with b
d	40.41°	28-68	Cut level girdle line with c
e	41.49°	21-75	Cut level girdle line with d
f	44.00°	16-80	Cut level girdle line with e
g	46.19°	11-85	Cut level girdle line with f
h	49.20°	07-89	Cut level girdle line with g
i	47.00°	48	Meet a at the girdle
j	41.32°	39-57	Meet b & c at the girdle
k	35.83°	24-72	Meet d & e at the girdle
l	38.40°	13-83	Meet f & g at the girdle
m	35.87°	96	Meet h at the girdle
n	25.99°	45-51	Meet at juncture of a, b, i & j
o	20.43°	32-64	Meet at juncture of c, d, j & k
p	23.24°	18-78	Meet at juncture of e, f, k & l
q	21.47°	09-87	Meet at juncture of g, h, l & m
r	20.07°	46-50	Meet at juncture of i, j & n
s	8.41°	07-89	Meet at juncture of l, m, & q
T	0.00°	Table	Meet at juncture of stars & mains

Use CAM Preform design provided separately

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