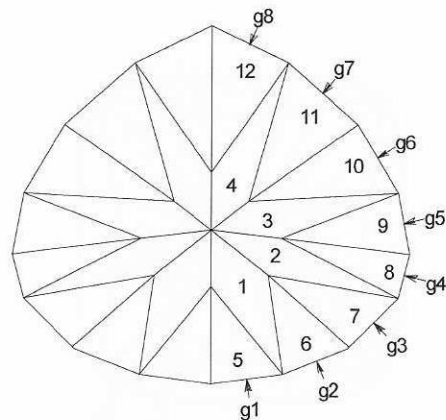
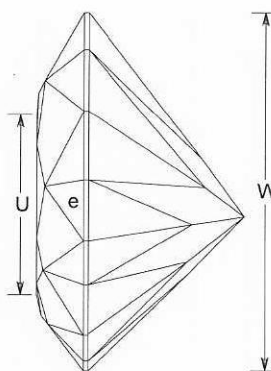
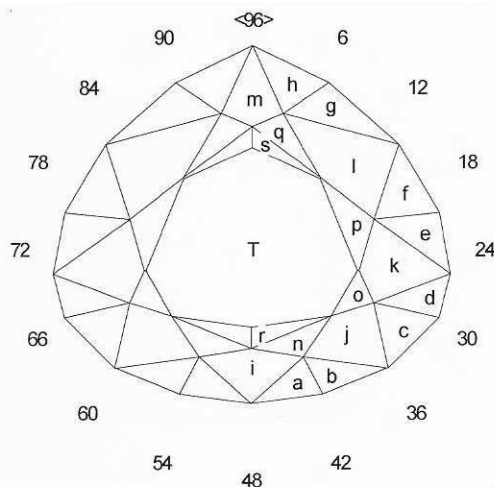


Sultana

By Ernie Hawes

Angles for R.I. = 1.54 - 2.16

61 + 16 girdles = 77 facets

1-fold, mirror-image symmetry

96 index

L/W = 1.100 T/W = 0.587 U/W = 0.504

P/W = 0.432 C/W = 0.132

Vol./W³ = 0.196

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	Cut to center point
g1	90.00° 46-50	Set girdle depth
5	46.50° 46-50	Cut to 2/3 pavilion depth
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 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	41.45° 16-80	Meet at juncture 3, 4 & g5
g6	90.00° 16-80	Cut level with g5
11	42.01° 11-85	Meet at juncture 3, 4 & 10
g7	90.00° 11-85	Cut level with g6
12	40.80° 07-89	Meet at juncture a, a & g7
g8	90.00° 07-89	Cut level with g7

CROWN

a	41.70° 46-50	Set girdle thickness
b	39.90° 42-54	Cut level girdle line with a
c	35.00° 36-60	Cut to level girdle line with b
d	30.59° 28-68	Cut level girdle line with c
e	31.56° 21-75	Cut level girdle line with d
f	33.85° 16-80	Cut level girdle line with e
g	35.90° 11-85	Cut level girdle line with f
h	38.82° 07-89	Cut level girdle line with g
i	37.10° 48	Meet a at the girdle
j	32.45° 39-57	Meet b & c at the girdle
k	27.20° 24-72	Meet d & e at the girdle
l	30.00° 13-83	Meet f & g at the girdle
m	29.30° 96	Meet h at the girdle
n	18.70° 45-51	Meet at juncture a, b, i & j
o	14.50° 32-64	Meet at juncture c, d, j & k
p	13.00° 18-78	Meet at juncture e, f, k & l
q	14.50° 09-87	Meet at juncture g, h, l & m
r	14.28° 46-50	Meet at juncture i & n & j & n
s	5.00° 07-89	Meet at juncture l & q & m & q (touch lightly)
T	0.00° Table	Meet at the juncture of the stars & mains