



Standard Square Step Cut with Cut Corners (N.3)

To be cut in Amethyst

Angles for R.I. = 1.540

45 + 8 girdles = 53 facets

4-fold, mirror-image symmetry

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$L/W = 1.000$ $T/W = 0.541$ $U/W = 0.540$

$P/W = 0.549$ $C/W = 0.176$

$Vol./W^3 = 0.344$

PAVILION

1	90.00°	96-24-48-72	Set stone size
2	42.00°	96-24-48-72	Cut PCP
3	49.00°	96-24-48-72	Cut to desired size
4	54.00°	96-24-48-72	Cut to equal size
5	49.00°	12-36-60-84	Meet 2 & 3
6	54.00°	12-36-60-84	Meet 3, 4 & 5
7	90.00°	12-36-60-84	Cut corner to meet 4 & 6

CROWN

A	45.00°	96-24-48-72	Set level girdle width
B	45.00°	12-36-60-84	Level girdle
C	35.00°	96-24-48-72	Set width of A
D	35.00°	12-36-60-84	Meet A, C & B
E	25.00°	96-24-48-72	Set width of C
F	25.00°	12-36-60-84	Meet C, D & E
G	0.00°	Table	50% of width