48

54 42

60 36

66 30

72 C7

24 U W

78 18

C6

C5

C4

P4

P3 P5

C3 C2

84 C1 12

90 6

<96>

<96>

T

C C3

C1 C2

P6 P1

P P3

P4 L

C2 P6

P1

P7

P2

STANDARD SQUARE STEP CUT

WITH CUT CORNERS

Angles for R.I. = 1.720

45 + 8 girdles = 53 facets

4-fold, mirror-image symmetry 96 index

L/W = 1.000 T/W = 0.582 U/W = 0.582

P/W = 0.492 C/W = 0.188

Vol./W³ = 0.323

PAVILION

|  |  |  |  |
| --- | --- | --- | --- |
| P1 | 90.00° | 96-24-48-72 | Set stone size |
| P2 | 50.00° | 96-24-48-72 | Cut to TCP |
| P3 | 45.00° | 96-24-48-72 | Cut to width required |
| P4 | 40.00° | 96-24-48-72 | Cut to width required |
| P5 | 45.00° | 12-36-60-84 | Meet P3-P4 |
| P6 | 50.00° | 12-36-60-84 | Meet P3-P1 |
| P7 | 90.00° | 12-36-60-84 | Level girdle |

CROWN

|  |  |  |  |
| --- | --- | --- | --- |
| C1 | 50.00° | 96-24-48-72 | Set girdle thickness |
| C2 | 50.00° | 12-36-60-84 | Level girdle |
| C3 | 40.00° | 96-24-48-72 | Cut to width required |
| C4 | 40.00° | 12-36-60-84 | Meet C1-C2 |
| C5 | 25.00° | 96-24-48-72 | Cut to width required |
| C6 | 25.00° | 12-36-60-84 | Meet C3-C4 |
| C7 | 0.00° | Table | Cut to size required |