48

54 42

60 36

66 30

72 C6

24 U W

C5

78 18

C3 C4 C2

84 C1 12

P5

P4 P2 P3

90 6

<96>

<96>

T C

C1

P2 P3

P4

P P5

L

P1

GOLD OCTAGON

Author Tom Ricks Angles for R.I. = 1.720

53 + 8 girdles = 61 facets

4-fold, mirror-image symmetry 96 index

L/W = 1.000 T/W = 0.352 U/W = 0.352

P/W = 0.461 C/W = 0.164

Vol./W³ = 0.222

PAVILION

P1 90.00° 96-12-24-36- Shape & size stone

CROWN

C1 32.00° 96-24-48-72 Set girdle thickness

|  |  |  |
| --- | --- | --- |
|  | 48-60-72-84 |  |
| P2 | 52.00° | 12-36-60-84 | Set girdle line |
| P3 | 45.00° | 96-24-48-72 | Level girdle |
| P4 | 42.29° | 09-15-33-39- | Meet P2-P3 |
|  |  | 57-63-81-87 |  |
| P5 | 41.00° | 03-21-27-45- | Meet P2-P3-P4 at girdle |
|  |  | 51-69-75-93 |  |

C2 28.27° 12-36-60-84 Level girdle

C3 24.58° 03-21-27-45- Meet C1-C2

51-69-75-93

C4 23.15° 10-14-34-38- Meet C1-C2-C3 at girdle

|  |  |  |
| --- | --- | --- |
|  | 58-62-82-86 |  |
| C5 | 21.73° | 12-36-60-84 | Meet C2-C4 |
| C6 | 0.00° | Table | Meet C3-C4-C5 |