

Samantha's Demantoid Dazzle

by John Bailey, 2015

Angles for R.I. = 1.880

57 + 16 girdles = 73 facets

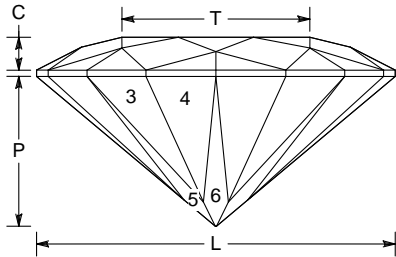
2-fold, mirror-image symmetry

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$L/W = 1.142$ $T/W = 0.598$ $U/W = 0.494$

$P/W = 0.476$ $C/W = 0.105$

$Vol./W^3 = 0.217$



PAVILION

1	40.90°	21-27-69-75	CTP
2	42.10°	14-34-62-82	Meet temp Culet
3	43.80°	08-40-56-88	Meet temp Culet
4	44.70°	03-45-51-93	Meet temp Culet
G1	90.00°	21-27-69-75	Calibrate length
G2	90.00°	14-34-62-82	Even Girdle
G3	90.00°	08-40-56-88	Even Girdle
G4	90.00°	03-45-51-93	Even Girdle
5	41.90°	11-37-59-85	Meet 2, 3, Girdle; Create culet
6	43.60°	96-48	Meet 4, Girdle; Meet culet
7	39.90°	24-72	Meet 1, Girdle; Meet culet

CROWN

A	27.50°	21-27-69-75	Set Girdle width
B	28.20°	14-34-62-82	Even Girdle
C	31.00°	08-40-56-88	Even Girdle
D	27.00°	03-45-51-93	Even Girdle
E	24.60°	04-44-52-92	Meet C, D, Girdle
F	22.40°	17-31-65-79	Meet A, B, Girdle
G	18.60°	96-48	Meet D, E
H	13.60°	11-37-59-85	Meet B, C, E, F
J	13.70°	24-72	Meet A, F
T	0.00°	Table	

Good without down to RI 1.65 without T/R

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