

Improved Utopia - USFG SSC 2022 Master

by Arya Akhavan (November 2021)
Modified from "Utopia" by Jeff Graham

Facet Data

Pavilion facets	42	Pavilion tiers	12
Girdle facets	16	Girdle tiers	7
Crown facets	33+1	Crown tiers	17+1
Total facets	92	Total tiers	37

Size Data

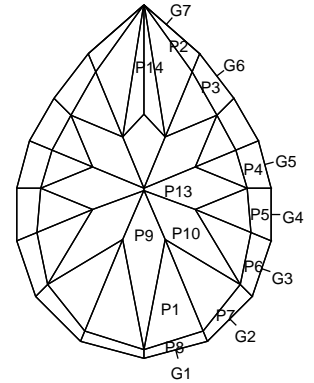
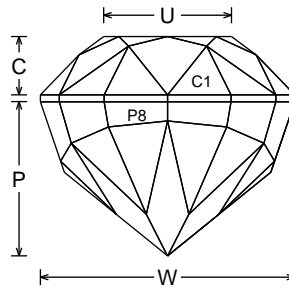
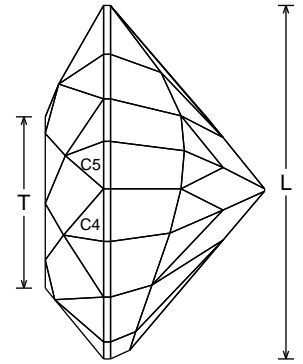
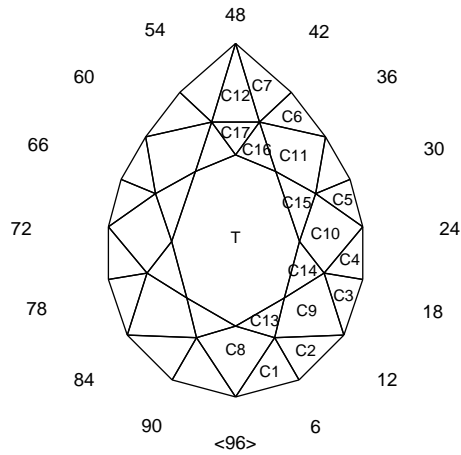
L/W	1.390	P/W	0.607
H/W	0.862	C/W	0.229
V/W ³	0.442	P/C	2.645

Design Data

Angles for R.I.	1.54
Symmetry	1-fold, mirror
Index gear	96

Comments

Stone Size (W) is 12 mm +/- 0.1mm
Girdle Width is .5 mm +/- 0.1mm
Material is CZ



Pavilion

P1	41.95	03-09-15-21-27-33-39-45-51-57-63-69-75-81-87-93	Cut to centerpoint.
G1	90.00	04-92	Set stone size.
G2	90.00	12-84	Meet P1, G1
G3	90.00	19-77	Meet P1, G2
G4	90.00	24-72	Meet P1, G3
G5	90.00	28-32-64-68	Meet P1, G4
G6	90.00	34-62	Meet P1, G5
G7	90.00	37-59	Meet P1, G6
P2	69.77	37-59	Level girdle.
P3	71.37	34-62	Level girdle.
P4	71.82	28-32-64-68	Level girdle.
P5	71.22	24-72	Level girdle.
P6	69.84	19-77	Level girdle.
P7	67.74	12-84	Level girdle.
P8	66.28	04-92	Level girdle.
P9	40.29	96	Meet P1, P8
P10	39.95	12-84	Meet P1, P6, P7; P1, P9 (does not form culet)
P13	39.00	24-36-48-60-72	Meet P1, P4, P5; P1, P10 (does not form culet)
P14	40.84	47-49	Meet G7, P1, P2; P1, P12, P13

Crown

C1	46.00	04-92	Set girdle width.
C2	46.00	12-84	Level girdle.
C3	46.00	19-77	Level girdle.
C4	46.00	24-72	Level girdle.
C5	46.00	28-32-64-68	Level girdle.

C6	46.00	34-62	Level girdle.
C7	46.00	37-59	Level girdle.
C8	39.47	96	Meet G1, C1
C9	39.75	16-80	Meet G2, G3, C2, C3; C1, C2, C8
C10	42.06	26-70	Meet G4, G5, C4, C5; C3, C4, C9
C11	43.90	33-63	Meet G5, G6, C5, C6; C5, C10
C12	29.72	48	Meet G7, C7; C6, C7, C11
C13	17.88	08-88	Meet C1, C2, C8, C9
C14	29.78	20-76	Meet C3, C4, C9, C10
C15	33.22	29-67	Meet C5, C10, C11
C16	18.81	42-54	Meet C6, C7, C11, C12
C17	22.28	48	Meet C6, C7, C11, C12, C16
T	0.00	Table	Meet 5 different meetpoints (8 total meetpoints)