



Headache

by Michiko Huyhn

Gemology Online Faceting Design Competition 2013

Ostentatious Entry 3

Angles for R.I. = 1.540

208 + 24 girdles = 232 facets

3-fold, mirror-image symmetry

96 index

L/W = 1.011 T/W = 0.419 U/W = 0.418

P/W = 0.527 C/W = 0.126

Vol./W³ = 0.241

PAVILION

P1	46.82°	02-06-10-14-18-22-26-30-34-38-42-46-50-54-58-62-66-70-74-78-82-86-90-94	Cut to centerpoint.
G1	90.00°	01-31-33-63-65-95	Set stone size.
G2	90.00°	04-28-36-60-68-92	Meet P1, G1
G3	90.00°	08-24-40-56-72-88	Meet P1, G2
G4	90.00°	12-20-44-52-76-84	Meet P1, G3
P2	59.98°	12-20-44-52-76-84	Level girdle.
P3	60.83°	08-24-40-56-72-88	Level girdle.
P4	61.67°	04-28-36-60-68-92	Level girdle.
P5	62.13°	01-31-33-63-65-95	Level girdle.
P6	45.71°	96-32-64	Meet P1, P5
P7	45.41°	04-28-36-60-68-92	Meet P1, P4, P5
P8	45.33°	08-24-40-56-72-88	Meet P1, P3, P4
P9	44.99°	12-20-44-52-76-84	Meet P1, P2, P3
P10	44.77°	16-48-80	Meet P1, G4, P2
P11	43.05°	02-30-34-62-66-94	Meet P1, P6, P7
P12	43.95°	07-25-39-57-71-89	Meet P1, P7, P8
P13	44.29°	09-23-41-55-73-87	Meet P1, P8, P9
P14	44.08°	14-18-46-50-78-82	Meet P1, P9, P10

CROWN

C1	26.60°	01-31-33-63-65-95	Set girdle width.
C2	26.60°	04-28-36-60-68-92	Level girdle.
C3	26.60°	08-24-40-56-72-88	Level girdle.
C4	26.60°	12-20-44-52-76-84	Level girdle.
C5	25.55°	96-32-64	Meet G1, C1
C6	25.46°	02-30-34-62-66-94	Meet G1, G2, C1, C2
C7	25.40°	03-29-35-61-67-93	Meet G1, G2, C1, C2, C6
C8	25.55°	05-27-37-59-69-91	Meet G2, G3, C2, C3
C9	25.44°	07-25-39-57-71-89	Meet G2, G3, C2, C3, C8
C10	25.43°	09-23-41-55-73-87	Meet G3, G4, C3, C4
C11	25.40°	11-21-43-53-75-85	Meet G3, G4, C3, C4, C10
C12	23.47°	15-17-47-49-79-81	Meet G4, C4
C13	24.66°	01-31-33-63-65-95	Meet C1, C5, C6
C14	24.35°	04-28-36-60-68-92	Meet C2, C7, C8
C15	23.81°	08-24-40-56-72-88	Meet C3, C9, C10
C16	22.24°	13-19-45-51-77-83	Meet C4, C11, C12
C17	23.72°	96-32-64	Meet C5, C13
C18	22.76°	06-26-38-58-70-90	Meet C8, C9, C14, C15
C19	19.44°	16-48-80	Meet C12, C16
C20	12.00°	10-22-42-54-74-86	Meet C15, C16, C18, C19, C20; C19, C20
T	0.00°	Table	Meet C13, C14, C17, C18, C20; C19, C20

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