

## Cloud Nine II

By Ernie Hawes

Angles for R.I. = 1.760

100 + 36 girdles = 136 facets

9-fold, mirror-image symmetry

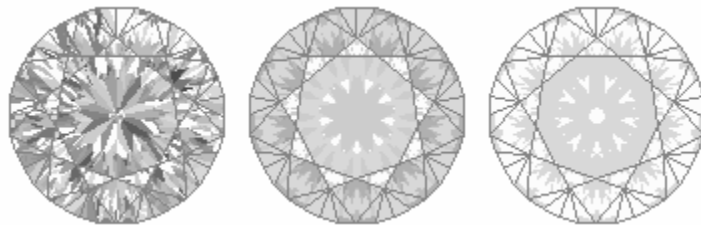
72 index

$L/W = 1.000$   $T/W = 0.573$   $U/W = 0.564$

$P/W = 0.435$   $C/W = 0.152$

$Vol./W^3 = 0.205$

Average Brightness: COS = 85.8 % ISO = 94.0 %



### PAVILION

g1	90.00°	(36 total) Use index settings for both steps 2 & 3
1	41.00°	04-12-20-28-36-44-52-60-68
2	41.50°	03-05-11-13-19-21-27-29-35-37-43-45-51-53-59-61-67-69
3	41.90°	01-07-09-15-17-23-25-31-33-39-41-47-49-55-57-63-65-71

### CROWN

a	40.10°	01-07-09-15-17-23-25-31-33-39-41-47-49-55-57-63-65-71
b	38.00°	03-05-11-13-19-21-27-29-35-37-43-45-51-53-59-61-67-69
c	36.00°	04-12-20-28-36-44-52-60-68
d	21.70°	72-08-16-24-32-40-48-56-64
T	00.00°	Table

Note: The original design was a contest drawing without angles and index settings which I created in 1987. Angles and index settings were worked out by Louis Natonek, who thus was credited with the design and gave it its name. Louie decided to use RI 2.15 for CZ. I lengthened the pavilion girdle facets by making them steeper and changed the angles to fit RI 1.76.