

SPOT BRIGHTNESS DIAGRAMS for SRB Design RI=1.62 (TOPAZ) 60% Transmission

Figure 2
Spot Brightness diagrams
for Standard Round
Brilliant Design

RI=1.62 (Topaz)
Transmission 60%

Here 42 individual diagrams are shown in matrix layout. Crown design angle varies by 5 degree increments from 15 to 45 degrees and Pavilion design angle vary by 1 degree increments from 38 to 43 degrees.

These diagrams are computer generated. Light areas correspond to brighter areas (and dark areas correspond to duller areas) that would be seen in the stone. Each diagram uses the "spot" model in which we are attempting to simulate appearance of a medium dark material (60% transmission) illuminated with a lamp placed close up about 5 degrees off vertical and in the +Y direction.

Which angle combination is "best" is a matter for personal preference, but definite visual differences seen in the computer generated diagrams are closely correlated with the actual stones.

P
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43

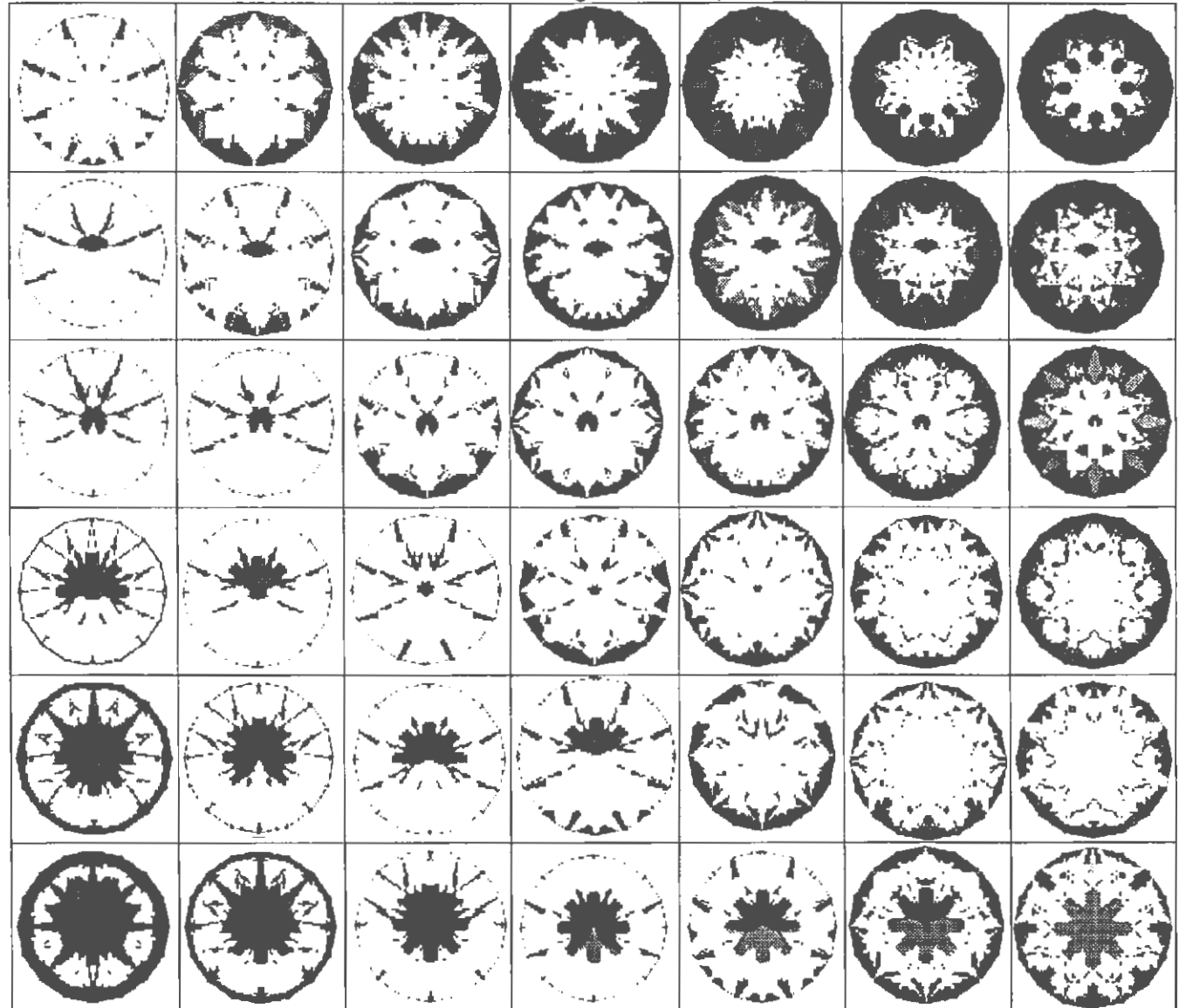
D
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42

A
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41

d
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40

39

38



15 20 25 30 35 40 45

CROWN DESIGN ANGLE Degrees