

Illustrated Report For Radiant

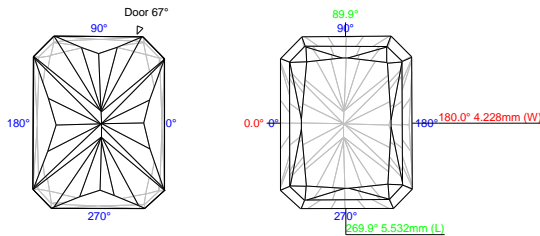
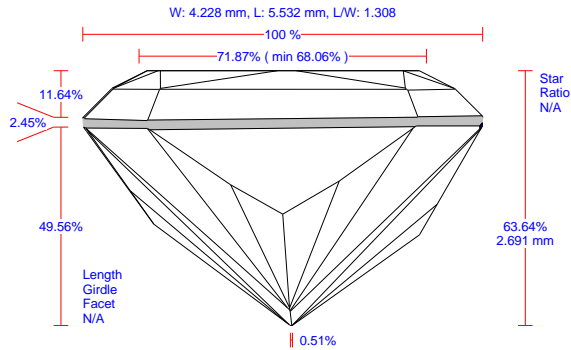
Polished Radiant

04.10.2012

Model Simple
 Expert name N/A
 Scale weight, ct
 Model mass, ct 0.52, 0.5186
 Spread 0.05 ct, 8.30 %
 Extra Facet Girdle / Nat Yes (1)

| Width | Length | Ratio (L/W) | Corner Ratio | Diameter Minimum | Diameter Maximum |
|----------|----------|-------------|--------------|------------------|------------------|
| 4.228 mm | 5.532 mm | 1.308 | 1.009 | 4.228 mm | 6.253 mm |

| Total height | Crown height: Side | Pavilion height: Side | Table: Side | Girdle: Side | Culet |
|---------------------|--------------------|-----------------------|-------------|--------------|----------|
| 2.691 mm 63.64 % | 0.492 mm | 2.095 mm | 3.532 mm | 0.103 mm | 0.022 mm |

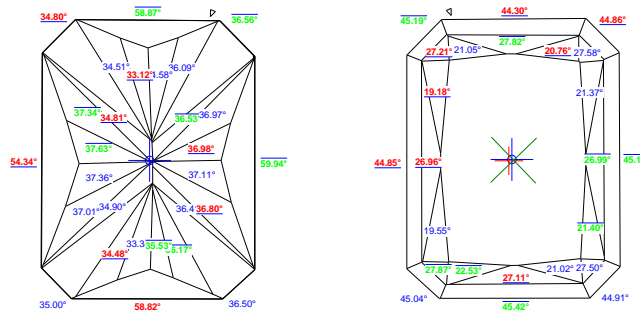


Appraiser title N/A
 Overall cut quality N/A
 Symmetry appraiser title Internal
 Overall symmetry quality PR
 Model building info The model is built badly

| | |
|---------------------|--|
| Color | |
| Clarity | |
| Polish | |
| Fluorescence | |

| Parameters | Avg | Min | Max | Dev |
|-----------------------------------|--------|--------|--------|------|
| Crown height: Side, % | 11.64 | 11.20 | 12.19 | 0.98 |
| Crown height: Joint, % | N/A | N/A | N/A | N/A |
| Pavilion height: Side, % | 49.56 | 49.29 | 49.86 | 0.57 |
| Pavilion height: Joint, % | N/A | N/A | N/A | N/A |
| Table: Side, % | 71.87 | 68.06 | 75.67 | 7.61 |
| Table: Corner w.r.t. Corner, % | 76.67 | 76.39 | 76.95 | 0.56 |
| Table: Corner w.r.t. Width, % | 108.33 | 108.23 | 108.43 | 0.21 |
| Diameter: Corner, % | 141.29 | 140.64 | 141.94 | 1.31 |
| Girdle thickness: Side, % | 2.45 | 2.17 | 2.76 | 0.59 |
| Girdle thickness: Joint, % | N/A | N/A | N/A | N/A |
| Corner angle width, % | 15.18 | 14.02 | 16.34 | 2.32 |
| Corner angle length, % | 15.06 | 13.63 | 16.71 | 3.08 |
| Culet, % | 0.51 | 0.26 | 0.70 | 0.44 |
| Crown 1 Main Width height, % | 7.21 | 7.00 | 7.41 | 0.41 |
| Crown 1 Main Length height, % | 7.40 | 7.09 | 7.70 | 0.61 |
| Crown 1 Corner height, % | 7.27 | 6.88 | 7.85 | 0.96 |
| Crown 2 Main Width height, % | 4.43 | 4.32 | 4.53 | 0.21 |
| Crown 2 Main Length height, % | 4.58 | 4.52 | 4.65 | 0.13 |
| Crown 2 Corner height, % | 4.67 | 4.55 | 4.84 | 0.29 |
| Pavilion 1 Main Width height, % | 25.67 | 24.22 | 27.12 | 2.90 |
| Pavilion 1 Main Length height, % | 22.58 | 21.87 | 23.29 | 1.42 |
| Pavilion 1 Corner height, % | 45.54 | 44.88 | 46.36 | 1.48 |
| Pavilion Halves Width 1 height, % | 49.17 | 48.75 | 49.49 | 0.75 |
| Crown 1 Main Width angle, ° | 44.98 | 44.85 | 45.11 | 0.26 |
| Crown 1 Main Length angle, ° | 44.86 | 44.30 | 45.42 | 1.12 |
| Crown 1 Corner angle, ° | 45.00 | 44.86 | 45.19 | 0.34 |
| Crown 2 Main Width angle, ° | 26.97 | 26.96 | 26.99 | 0.03 |
| Crown 2 Main Length angle, ° | 27.46 | 27.11 | 27.82 | 0.71 |
| Crown 2 Corner angle, ° | 27.54 | 27.21 | 27.87 | 0.66 |
| Crown Star Width height, % | 4.36 | 4.32 | 4.42 | 0.10 |
| Crown Star Length height, % | 4.40 | 4.33 | 4.44 | 0.11 |
| Crown Star Width angle, ° | 20.38 | 19.18 | 21.40 | 2.22 |
| Crown Star Length angle, ° | 21.34 | 20.76 | 22.53 | 1.78 |
| Pavilion 1 Main Width angle, ° | 57.14 | 54.34 | 59.94 | 5.60 |
| Pavilion 1 Main Length angle, ° | 58.84 | 58.82 | 58.87 | 0.05 |
| Pavilion 1 Corner angle, ° | 35.72 | 34.80 | 36.56 | 1.75 |
| Pavilion Halves Width 1 angle, ° | 35.66 | 34.81 | 36.53 | 1.72 |
| Girdle facet angle, ° | 87.84 | 85.51 | 89.50 | 3.99 |

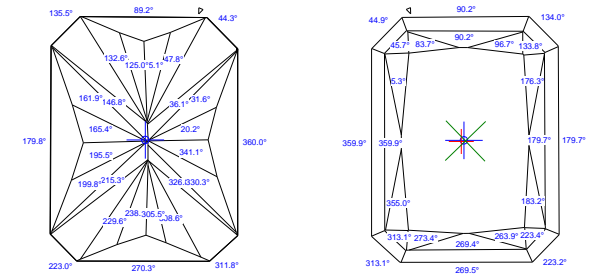
Facets angles



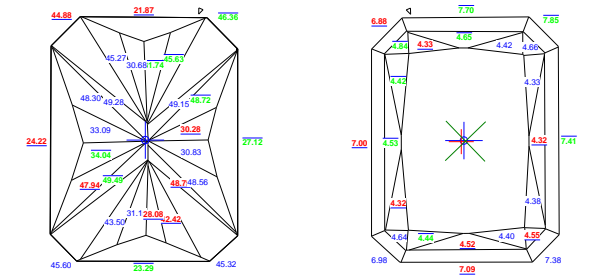
⊕ Girdle center ⊕ Culet center ⊗ Table center ⊕ MIC center

| | | |
|-----------------------------------|------------------|-------------------|
| Girdle-Culet offset by table axis | 1.55 ± 0.29, % | 0.066 ± 0.012, mm |
| Girdle-Table offset by table axis | 0.86 ± 0.26, % | 0.036 ± 0.011, mm |
| Table-Culet offset by table axis | 2.25 ± 0.31, % | 0.095 ± 0.013, mm |
| Girdle to table-culet line offset | 0.51 %, 0.022 mm | |

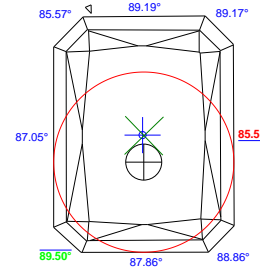
Facets azimuths



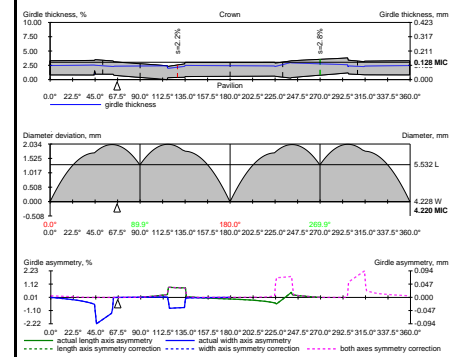
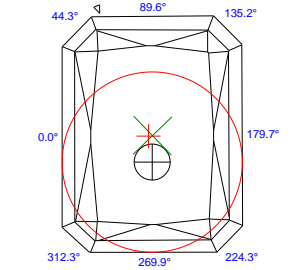
Facets heights (%)



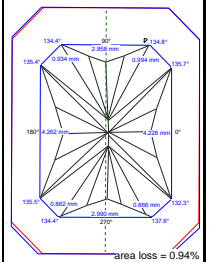
Girdle facets angles & MIC



Girdle facets azimuths & MIC



Both axes symmetry correction, girdle sides & internal angles



| | | |
|---|-------------------|-------------------|
| Width-wise culet shift ratio (by width) | 2.206 mm, 52.18 % | 2.022 mm, 47.82 % |
| Length-wise culet shift ratio (by width) | 2.721 mm, 64.36 % | 2.815 mm, 66.59 % |
| Length-wise culet shift ratio (by length) | 2.721 mm, 49.19 % | 2.815 mm, 50.89 % |