

ILLUSTRATED REPORT FOR BRILLIANT

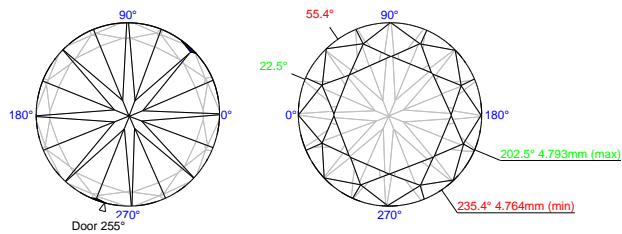
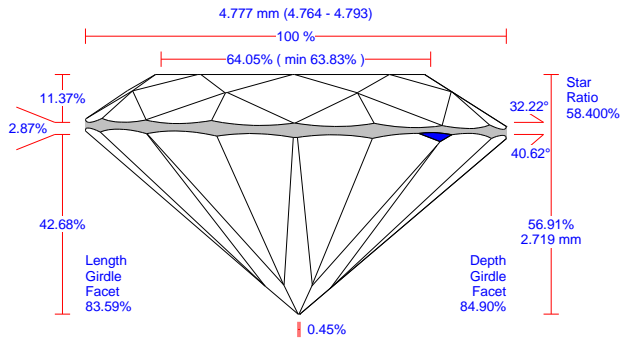
Polished Brilliant

04.10.2012

Model Simple
 Expert name N/A.
 Scale weight, ct
 Model mass, ct 0.37, 0.3749
 Measurements 4.777 (4.764 - 4.793) x 2.719 /0.018 mm
 Spread 0.03 ct, 6.98 %
 AGS Spread 0.03 ct, 6.85 %
 Extra Facet Girdle / Nat Yes (2)

| Width | Length | Ratio (L/W) | Diameter Minimum | Diameter Maximum | Diameter Average | Total height |
|----------|----------|-------------|------------------|------------------|------------------|--------------|
| 4.764 mm | 4.793 mm | 1.006 | 4.764 mm | 4.793 mm | 4.777 mm | 2.719 mm |

| Crown height | Pavilion height | Table | Culet | Girdle height | | |
|--------------|-----------------|----------|----------|---------------|----------|----------|
| | | | | Bezel | Bone | Valley |
| 0.543 mm | 2.039 mm | 3.060 mm | 0.022 mm | 0.137 mm | 0.163 mm | 0.073 mm |



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

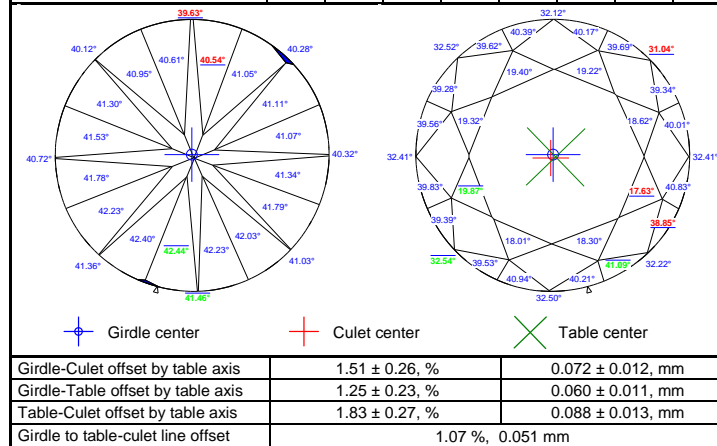
| | |
|---------------------|--|
| Color | |
| Clarity | |
| Polish | |
| Fluorescence | |

| Parameter | Avg | Min | Max | Dev | Cut | Sym |
|-------------------------------------|--------|--------|--------|-------|-----|-----|
| Diameter,mm | 4.777 | 4.764 | 4.793 | 0.62% | N/A | VG |
| Radius,mm | 2.388 | 2.373 | 2.408 | 0.73% | | |
| Crown angle,° | 32.22 | 31.04 | 32.54 | 1.50 | N/A | GD |
| Pavilion angle,° | 40.62 | 39.63 | 41.46 | 1.83 | N/A | GD |
| Total height,% | 56.91 | | | | N/A | |
| Crown height,% | 11.37 | 10.64 | 12.35 | 1.71 | N/A | GD |
| Crown height bone,% | 10.94 | 9.39 | 11.98 | 2.58 | | |
| Pavilion height,% | 42.68 | 41.68 | 43.74 | 2.06 | | |
| Pavilion upperbone,% | 42.56 | 41.73 | 43.74 | 2.01 | | |
| Table,% | 64.05 | 63.83 | 64.15 | 0.31 | N/A | EX |
| Culet,% | 0.45 | 0.28 | 0.57 | 0.28 | N/A | EX |
| Girdle height bezel,% | 2.87 | 2.52 | 3.38 | 0.87 | N/A | VG |
| Girdle height bone,% | 3.42 | 3.10 | 3.78 | 0.69 | | EX |
| Girdle height valley,% | 1.54 | 1.16 | 1.99 | 0.83 | N/A | EX |
| Star: Upper ratio,% | 58.40: | 53.99: | 63.17: | 9.19 | N/A | FR |
| Star angle,° | 18.80 | 17.63 | 19.87 | 2.24 | | VG |
| Upper girdle angle,° | 39.92 | 38.85 | 41.09 | 2.24 | | VG |
| Length girdle facet,% | 83.59 | 81.72 | 85.29 | 3.57 | N/A | VG |
| Lower girdle angle / Halves angle,° | 41.53 | 40.54 | 42.44 | 1.90 | | VG |
| Twist,° | 1.42 | 0.03 | 3.96 | 3.93 | | FR |
| Crown height,mm | 0.543 | 0.508 | 0.590 | 0.082 | N/A | GD |
| Pavilion height,mm | 2.039 | 1.991 | 2.090 | 0.098 | | |
| Table,mm | 3.060 | 3.049 | 3.064 | 0.015 | N/A | EX |
| Culet,mm | 0.022 | 0.013 | 0.027 | 0.014 | N/A | EX |
| Girdle height bezel,mm | 0.137 | 0.120 | 0.162 | 0.041 | N/A | VG |

Measurement as per OctoNus theory:

| | | | | | | |
|-----------------------------|-------|-------|-------|------|-----|--|
| Crown angle,° | 32.22 | 31.79 | 32.41 | 0.62 | | |
| Pavilion angle,° | 40.62 | 40.52 | 40.82 | 0.30 | | |
| Fish eye effect,° | | | 3.36 | | N/A | |
| Culet through Crown Bezel,° | | | 25.29 | | N/A | |

| Parameter,° | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Pav. azimuths dev. from ideal | 0.00 | 0.13 | 0.11 | 1.58 | 1.65 | 0.28 | 0.15 | 0.04 |
| Crown azimuths dev. from ideal | 0.03 | 0.79 | -0.37 | -0.43 | -2.31 | 1.22 | 0.06 | 3.20 |
| Crown painting | -1.38 | -1.47 | -2.06 | -0.47 | -1.06 | -1.14 | -0.83 | -2.93 |
| Pavilion painting | -0.14 | -2.05 | -1.43 | -0.78 | 0.98 | -0.25 | 0.32 | 0.02 |
| | -0.33 | -1.32 | 1.04 | -0.56 | 0.14 | -0.37 | -0.17 | 0.14 |



| | | |
|-----------------------------------|------------------|-------------------|
| Girdle-Culet offset by table axis | 1.51 ± 0.26, % | 0.072 ± 0.012, mm |
| Girdle-Table offset by table axis | 1.25 ± 0.23, % | 0.060 ± 0.011, mm |
| Table-Culet offset by table axis | 1.83 ± 0.27, % | 0.088 ± 0.013, mm |
| Girdle to table-culet line offset | 1.07 %, 0.051 mm | |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 4.783 | 4.772 | 4.775 | 4.775 | | | | |
| 2.397 | 2.380 | 2.374 | 2.374 | 2.385 | 2.392 | 2.400 | 2.400 |
| 32.41 | 32.52 | 32.12 | 31.04 | 32.41 | 32.22 | 32.50 | 32.54 |
| 40.32 | 40.28 | 39.63 | 40.12 | 40.72 | 41.36 | 41.46 | 41.03 |
| 12.35 | 12.13 | 11.54 | 10.83 | 10.64 | 10.64 | 11.17 | 11.64 |
| 11.98 | 11.61 | 10.97 | 10.46 | 9.39 | 10.50 | 10.72 | 11.88 |
| 41.68 | 42.27 | 41.99 | 42.89 | 43.55 | 43.74 | 43.08 | 42.20 |
| 41.73 | 41.77 | 42.31 | 43.25 | 43.74 | 43.32 | 42.61 | 41.74 |
| 64.06 | 64.15 | 64.14 | 63.83 | | | | |
| 2.88 | 2.52 | 3.38 | 3.19 | 2.72 | 2.53 | 2.66 | 3.08 |
| 3.21 | 3.53 | 3.63 | 3.21 | 3.78 | 3.10 | 3.59 | 3.29 |
| 1.43 | 1.16 | 1.38 | 1.99 | 1.96 | 1.77 | 1.69 | 1.35 |
| 1.65 | 1.32 | 1.25 | 1.19 | 1.44 | 1.72 | 1.74 | 1.55 |
| 54.63: | 58.01: | 60.57: | 58.80: | 63.17: | 60.19: | 57.86: | 53.99: |
| 45.37 | 41.99 | 39.43 | 41.20 | 36.83 | 39.81 | 42.14 | 46.01 |
| 19.32 | 19.40 | 19.22 | 18.62 | 17.63 | 18.30 | 18.01 | 19.87 |
| 39.56 | 39.28 | 39.62 | 40.39 | 40.17 | 39.69 | 39.34 | 40.01 |
| 40.83 | 38.85 | 41.09 | 40.21 | 40.94 | 39.53 | 39.39 | 39.83 |
| 84.20 | 83.68 | 82.58 | 81.72 | 82.26 | 81.83 | 82.90 | 83.00 |
| 82.59 | 83.25 | 84.17 | 85.29 | 85.20 | 84.57 | 85.06 | 85.10 |
| 41.07 | 41.11 | 41.05 | 40.54 | 40.61 | 40.95 | 41.30 | 41.53 |
| 41.78 | 42.23 | 42.40 | 42.44 | 42.23 | 42.03 | 41.79 | 41.34 |
| 0.03 | 0.66 | 0.48 | 2.01 | 3.96 | 0.94 | 0.09 | 3.15 |
| 0.590 | 0.579 | 0.551 | 0.517 | 0.508 | 0.508 | 0.534 | 0.556 |
| 1.991 | 2.019 | 2.006 | 2.049 | 2.081 | 2.090 | 2.058 | 2.016 |
| 3.060 | 3.064 | 3.064 | 3.049 | | | | |
| 0.138 | 0.120 | 0.162 | 0.153 | 0.130 | 0.121 | 0.127 | 0.147 |

| | | | | | | | |
|------------------|-------|-------|----------------------|--|----|--|--|
| 32.41 | 32.37 | 32.31 | 31.79 | | | | |
| 40.52 | 40.82 | 40.55 | 40.58 | | | | |
| MIC,mm | 4.746 | | Extra Facet Crown | | No | | |
| Girdle to MIC,mm | 0.018 | | Extra Facet Pavilion | | No | | |

| Paint / Dug | Avg | Type | Sym | Dev | Sym |
|-----------------|-----------------|----------|-----|-------|-----|
| Crown,° | -1.56 | Painting | EX | -4.23 | EX |
| Crown,notch. | 0.4, Small | | | 1.1 | |
| Pavilion,° | -0.30 | | EX | -2.05 | EX |
| Pavilion,notch. | 0.1, Negligible | | | 0.5 | |

