

Re-Imagineering Diamonds:  
Polished stone damaged during  
sales transit

**4.48 Ct**

# 4.48 Ct F-VS1 – GIA ExExEx - *Damaged during transit*



GIA REPORT  
2173137311

Verify this report at [gia.edu](http://gia.edu)

### FACSIMILE

This is a digital representation of the original GIA Report. This representation might not be accepted in lieu of the original GIA Report in certain circumstances. The original GIA Report includes certain security features which are not reproducible on this facsimile.

**GIA DIAMOND GRADING REPORT**

May 12, 2015  
 GIA Report Number ..... 2173137311  
 Shape and Cutting Style ..... Round Brilliant  
 Measurements ..... 10.47 - 10.52 x 6.57 mm

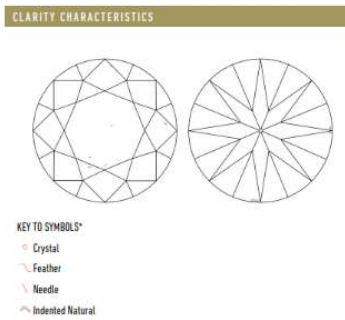
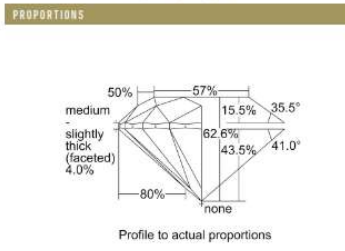
**GRADING RESULTS**

Carat Weight ..... 4.48 carat  
 Color Grade ..... F  
 Clarity Grade ..... VS1  
 Cut Grade ..... Excellent

**ADDITIONAL GRADING INFORMATION**

Polish ..... Excellent  
 Symmetry ..... Excellent  
 Fluorescence ..... None  
 Inscription(s): GIA 2173137311  
**Comments:** Clouds are not shown. Pinpoints are not shown.

[www.gia.edu](http://www.gia.edu)



\* Red symbols denote internal characteristics (inclusions). Green or black symbols denote external characteristics (blemishes). Diagrams are an approximate representation of the diamond, and symbols shown indicate type, position, and approximate size of clarity characteristics. All clarity characteristics may not be shown. Details of finish are not shown.

**GRADING SCALES**

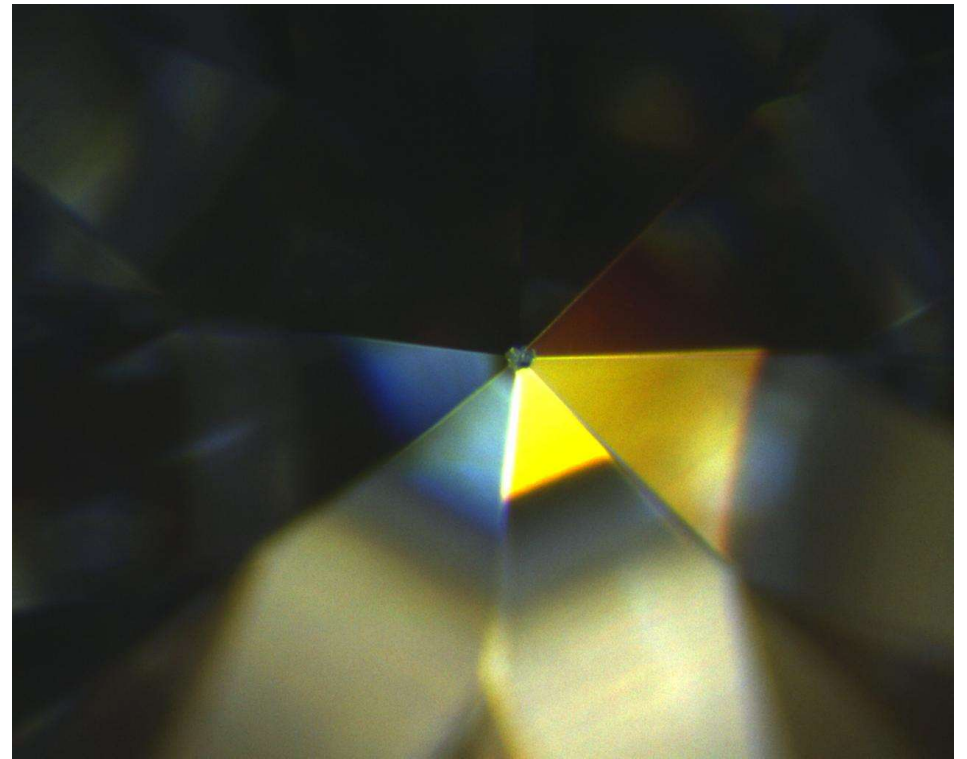
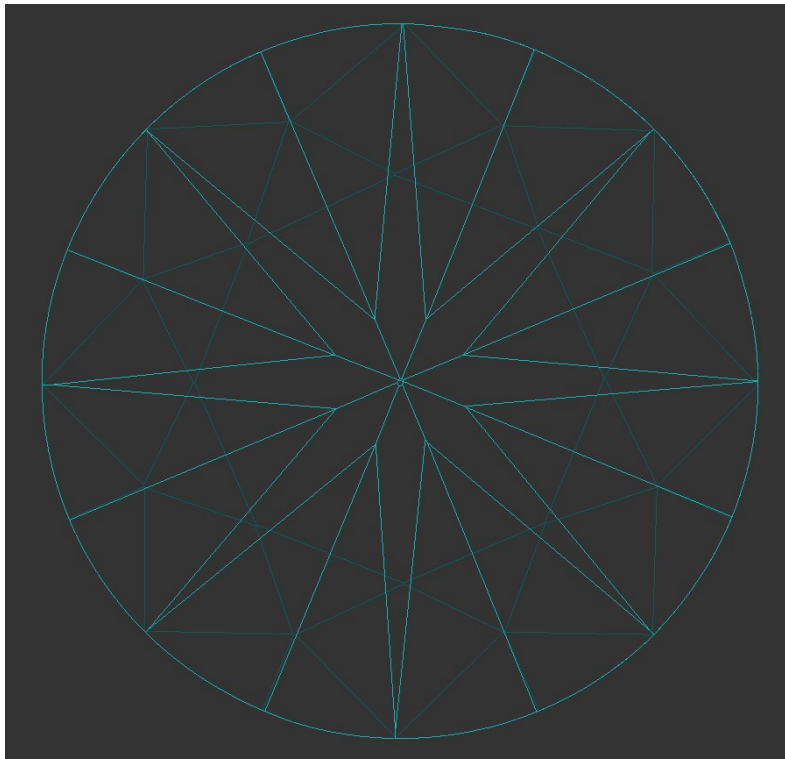
GIA COLOR SCALE	GIA CLARITY SCALE	GIA CUT SCALE
D	FLAWLESS	EXCELLENT
E	INTERNALLY FLAWLESS	
F		VVS <sub>1</sub>
G	VVS <sub>2</sub>	VERY GOOD
H	VS <sub>1</sub>	
I	VS <sub>2</sub>	GOOD
J	SI <sub>1</sub>	
K	SI <sub>2</sub>	FAIR
L	I <sub>1</sub>	
M	I <sub>2</sub>	POOR
N	I <sub>3</sub>	
O		
P		
Q		
R		
S		
T		
U		
V		
W		
X		
Y		
Z		



The results documented in this report refer only to the diamond described, and were obtained using the techniques and equipment used by GIA at the time of examination. This report is not a guarantee or valuation. For additional information and important limitations and disclaimers, please see [www.gia.edu/terms](http://www.gia.edu/terms) or call +1 800 421 7250 or +1 718 881 4500. ©2014 Gemological Institute of America, Inc.



The damaged was caused by the broker –  
upsetting the seller



# Stone was GIA ExExEx before Culet chipping

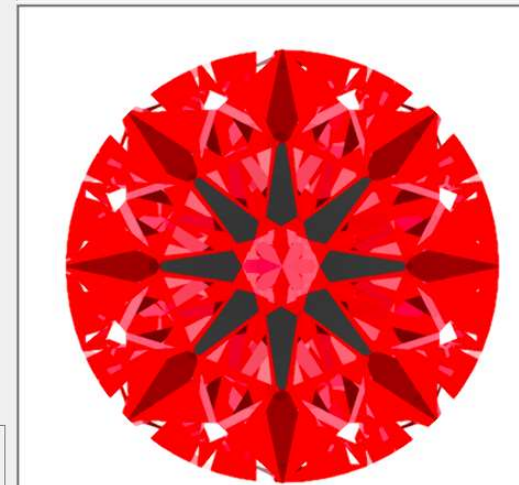
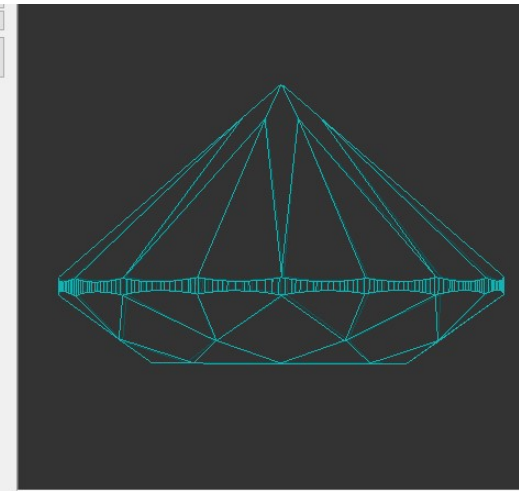
EX

Choose rounding rules for calculations:  
 GIA Rounding Rules (recommended)  
 Math Rounding Rules

Parameters

	Min	Max	Dev	Avg	Rounded value	Estimated Cut Grade	Estimated Symmetry Grade	Estimated Polish Grade
Shape	-	-	-	Brilliant	-	-	-	-
Estimated Weight (Ct)	-	-	-	4.4809	-	-	-	-
Diameter (mm)	10.47	10.51	0.05	10.49	-	EX	EX	-
Table Size (%)	56.9	57.3	0.4	57.1	57	EX	EX	-
Crown Angle (°)	35.40	35.90	0.50	35.67	35.5	EX	EX	-
Pavilion Angle (°)	40.80	41.10	0.30	40.94	41.0	EX	EX	-
Star Length (%)	49.6	55.5	5.9	51.9	50	EX	EX	-
Lower Half (%)	80.1	82.3	2.2	81.0	80	EX	EX	-
Girdle Bezel Thickness (%)	3.81	4.03	0.22	3.93	4.0	EX	EX	-
Star Angle (°)	22.2	23.1	0.9	22.7	22.7	EX	EX	-
Upper Angle (°)	42.4	43.6	1.2	43.1	43.1	EX	EX	-
Lower Angle (°)	41.8	42.2	0.4	42.0	42.0	EX	EX	-
Girdle Valley Minimum (%) *	-	-	-	1.98	MED	EX	-	-
Girdle Valley Maximum (%) *	-	-	-	2.23	STK	EX	-	-
Culet Size (%) *	-	-	-	0.94	NON	EX	-	-
Crown Height (%)	15.23	15.50	0.28	15.39	15.5	EX	EX	-
Pavilion Depth (%)	42.93	43.35	0.42	43.14	43.0	EX	EX	-
Total Depth (%)	-	-	-	62.46	62.5	-	-	-
Table offset (%)	-	-	-	0.324	-	EX	EX	-
Culet offset (%)	-	-	-	0.238	-	EX	EX	-
Table-Culet (%)	-	-	-	0.553	-	EX	EX	-
Crown Painting (°)	-1.69	1.10	2.79	-0.63	-0.6	EX	-	-
Pavilion Painting (°)	-2.18	1.34	3.53	-0.20	-0.2	EX	-	-
Sum Painting (°)	-	-	-	-0.83	-0.8	EX	-	-
Junction Twist (°)	-0.11	0.57	-	-	-	-	-	-
Twist (°)	0.01	0.95	-	-	-	-	-	-
Radius roundness by OctoNus	for window size 15°:			0.32	-	EX	-	-
	for window size 30°:			0.55	-	VG	VG	-
	for window size 45°:			0.60	-	EX	EX	-
	for window size 90°:			0.60	-	EX	EX	-
Table edge (%)	20.81	22.85	2.04	21.84	-	-	-	-
Virtual table edge (%)	20.81	22.85	2.04	21.84	-	-	-	-
Table edge junction (%)	-0.24	-0.10	0.15	-0.17	-	-	-	-
Table angle (°)	133.5	136.1	2.6	135.0	-	-	-	-
Bezel width (%)	28.60	29.91	1.31	29.29	-	-	-	-
Estimated Intermediate GIA Cut Grade:						EX	EX	EX
Estimated Final GIA Cut Grade:							EX	

Report generated successfully



# Standard Symmetric solution – 4.3933 Ct – \$ 183,722

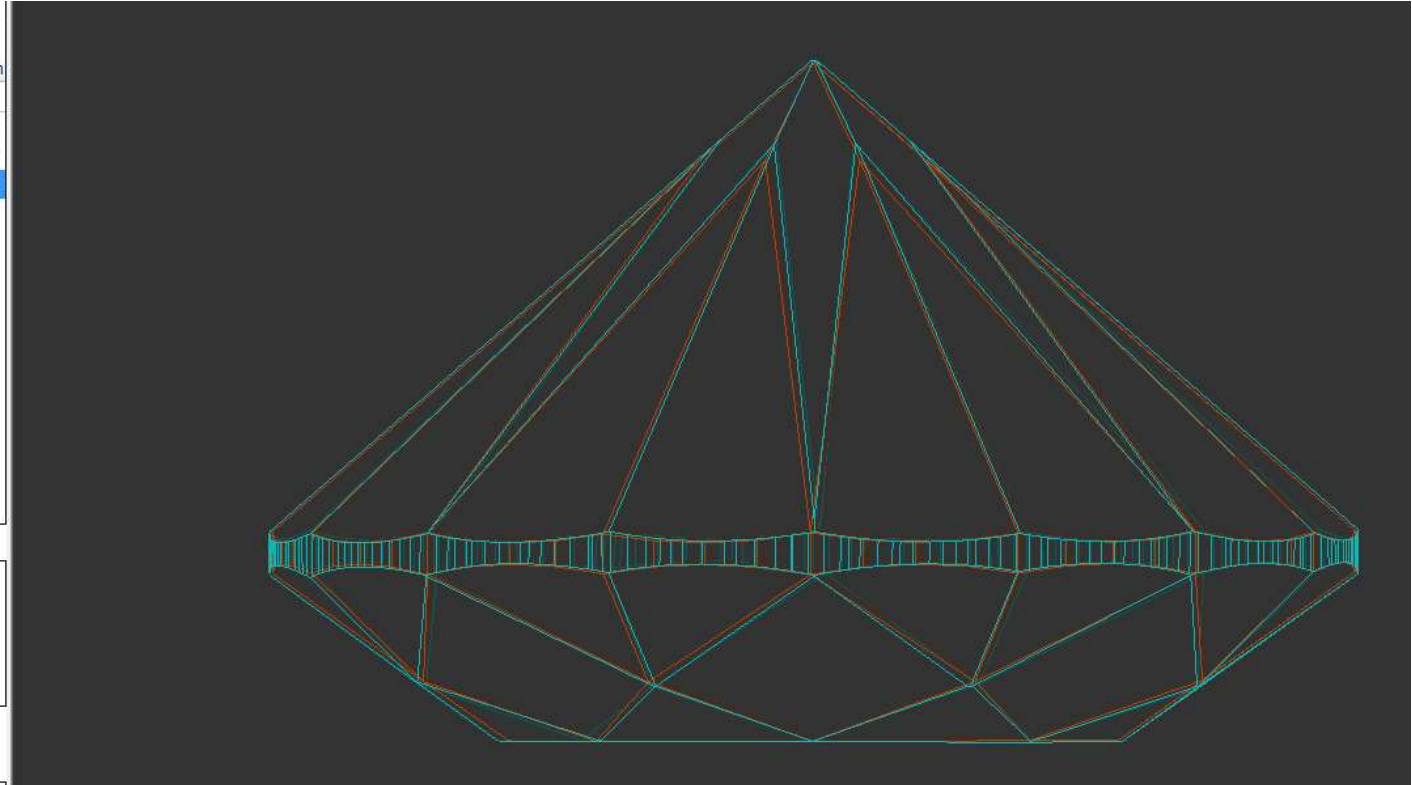
#	Price	Cutting	Mass	Yield	Clarity	Col	Gr	Cut	Sym
Active scan 4.4809									
<input type="checkbox"/>	16	187070\$	Brilliant	4.4758	99.76%	VS1	F	EX	EX
<input type="checkbox"/>	15	187070\$	Brilliant	4.4726	99.76%	VS1	F	EX	EX
<input checked="" type="checkbox"/>	17	183722\$	Brilliant	4.3933	97.97%	VS1	F	EX	EX

Solution			
<input type="checkbox"/>	17	cutting: Brilliant	Mass: 4.3933 ct
<input type="checkbox"/>		Price: 183 722 \$	Clarity: VS1
<input type="checkbox"/>		Discount: <a href="#">-10.00 %</a>	Color: F
<input type="checkbox"/>		PPC: 41850 \$/ct	Grade: EX

Active Appraiser and Pricelist	
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# Symmetric Recut grade estimation

Choose polish quality:

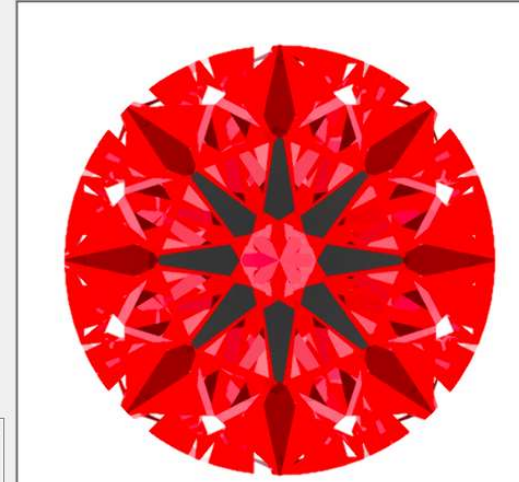
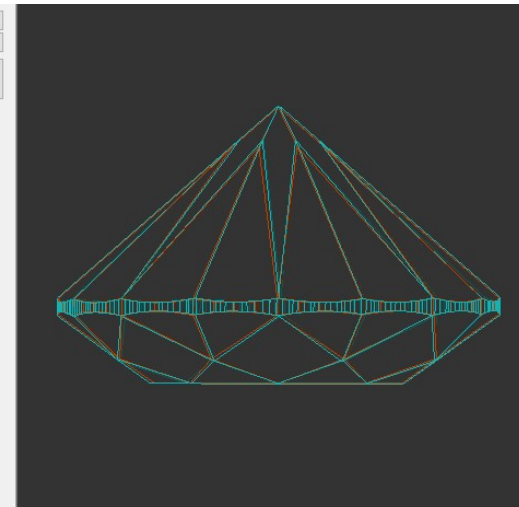
Choose rounding rules for calculations:  
 GIA Rounding Rules (recommended)  
 Math Rounding Rules

Parameters

Parameters	Measured value			Rounded value	Estimated Cut Grade	Estimated Symmetry Grade	Estimated Polish Grade
	Min	Max	Dev				
Shape	-	-	-	Brilliant	-	-	-
Estimated Weight (Ct)	-	-	-	4.3933	-	-	-
Diameter (mm)	10.40	10.47	0.06	10.44	-	EX	-
Table Size (%)	56.3	56.6	0.3	56.5	56	EX	-
Crown Angle (°)	35.20	35.40	0.20	35.28	35.5	EX	-
Pavilion Angle (°)	40.70	40.90	0.20	40.81	40.8	EX	-
Star Length (%)	53.8	53.8	0.0	53.8	55	EX	-
Lower Half (%)	77.5	77.5	0.0	77.5	80	EX	-
Girdle Bezel Thickness (%)	3.82	3.84	0.02	3.83	4.0	EX	-
Star Angle (°)	23.1	23.2	0.1	23.2	23.2	EX	-
Upper Angle (°)	42.6	42.7	0.1	42.7	42.7	EX	-
Lower Angle (°)	42.0	42.1	0.1	42.0	42.0	EX	-
Girdle Valley Minimum (%) *	-	-	-	1.97	MED	EX	-
Girdle Valley Maximum (%) *	-	-	-	2.04	MED	EX	-
Culet Size (%) *	-	-	-	0.00	NON	EX	-
Crown Height (%)	15.45	15.46	0.01	15.45	15.5	EX	-
Pavilion Depth (%)	43.23	43.23	0.01	43.23	43.0	EX	-
Total Depth (%)	-	-	-	62.51	62.5	-	-
Table offset (%)	-	-	-	0.000	-	EX	-
Culet offset (%)	-	-	-	0.029	-	EX	-
Table-Culet (%)	-	-	-	0.029	-	EX	-
Crown Painting (°)	-0.52	0.05	0.57	-0.25	-0.2	EX	-
Pavilion Painting (°)	-0.52	0.05	0.58	-0.25	-0.2	EX	-
Sum Painting (°)	-	-	-	-0.50	-0.4	EX	-
Junction Twist (°)	0.00	0.00	-	-	-	-	-
Twist (°)	0.00	0.00	-	-	-	-	-
Radius roundness by OctoNus	for window size 15°:			0.22	-	EX	-
	for window size 30°:			0.39	-	EX	-
	for window size 45°:			0.48	-	EX	EX
	for window size 90°:			0.50	-	EX	-
Table edge (%)	21.59	21.62	0.04	21.60	-	-	-
Virtual table edge (%)	21.59	21.62	0.04	21.60	-	-	-
Table edge junction (%)	0.00	0.00	0.00	0.00	-	-	-
Table angle (°)	134.5	135.6	1.1	135.0	-	-	-
Bezel width (%)	29.51	30.21	0.69	29.84	-	-	-

Estimated Intermediate GIA Cut Grade: **EX**      **EX**      **EX**  
 Estimated Final GIA Cut Grade: **EX**      **EX**

Report generated successfully



# Re-Imagineering Solution - 4.4726 Ct - \$ 187,070

<input type="checkbox"/>	Active scan		4.4809							
<input type="checkbox"/>	16	●	187070\$ Brilliant	4.4758	99.76%	VS1	F	EX	EX	EX
<input checked="" type="checkbox"/>	15	●	187070\$ Brilliant	4.4726	99.76%	VS1	F	EX	EX	EX
<input type="checkbox"/>	17	●	183722\$ Brilliant	4.3933	97.97%	VS1	F	EX	EX	EX

▼ Solution

<input type="checkbox"/>	15	cutting:	Brilliant	Mass:	4.4726 ct
		Price:	187 070 \$	Clarity:	VS1
		Discount:	-10.00 %	Color:	F
		PPC:	41850 \$/ct.	Grade:	EX

► Inclusions

▼ Active Appraiser and Pricelist

Appraiser: MyGIA | GIA Facetware + MyGIA

Profile: kg+gia+hrd Show Editor

Pricelist: LEXUS\_PRICE\_09MARCH\_2012

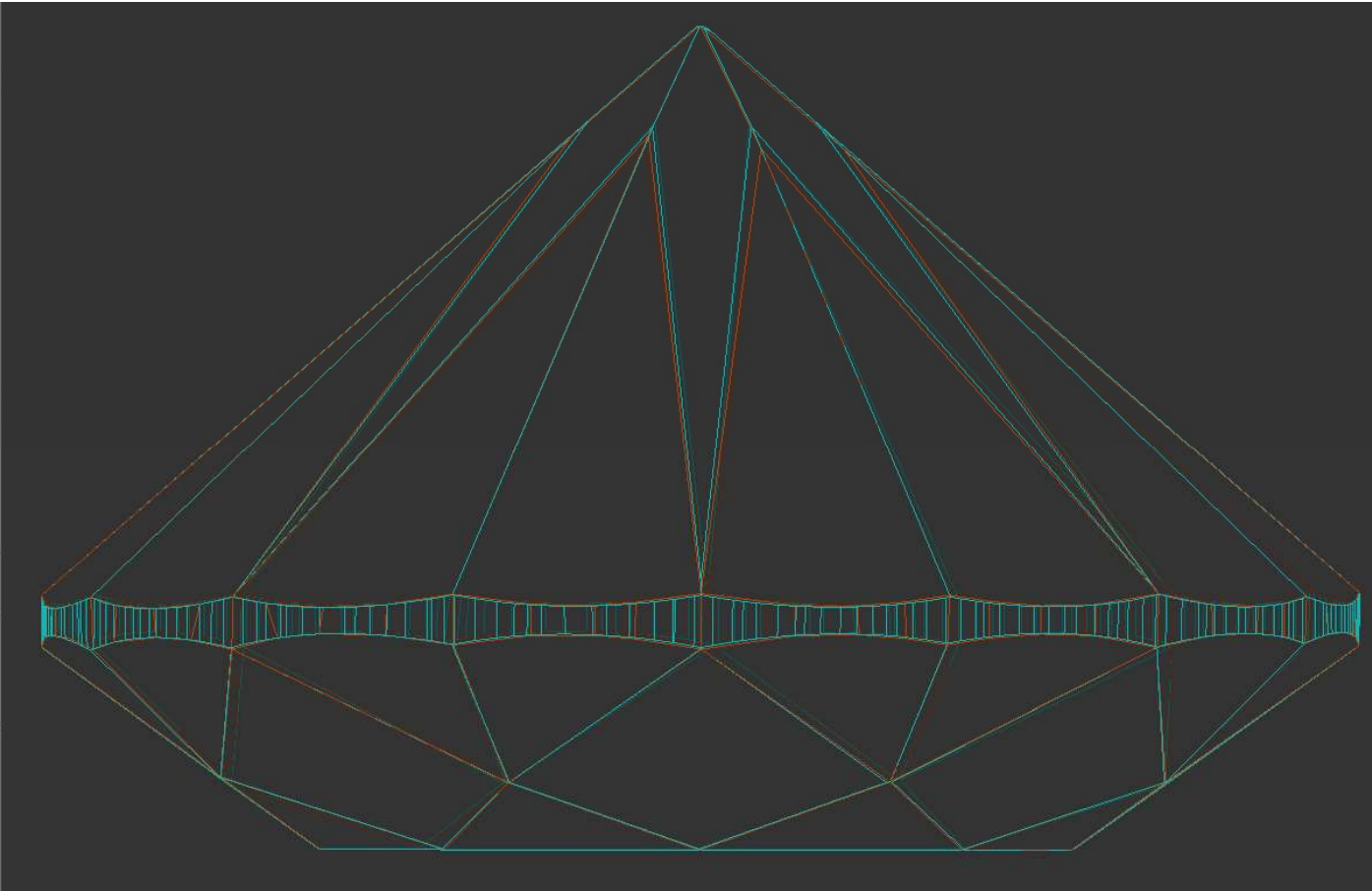
Select algorithm and diamonds for allocation.

Algorithm: 13. Single-M

Cutting list: Brilliant

grade of 1st diam: EX

Brilliant



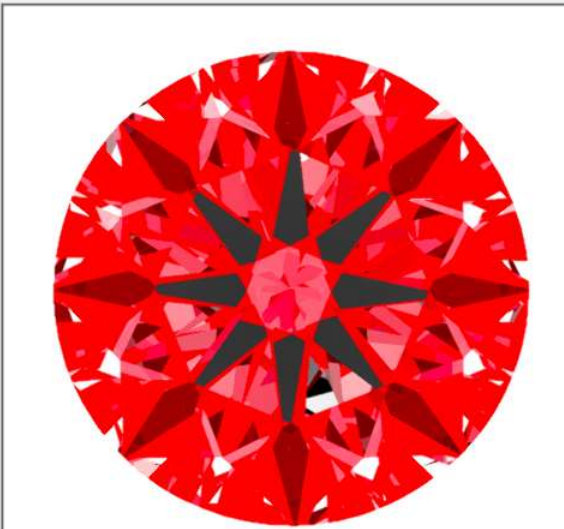
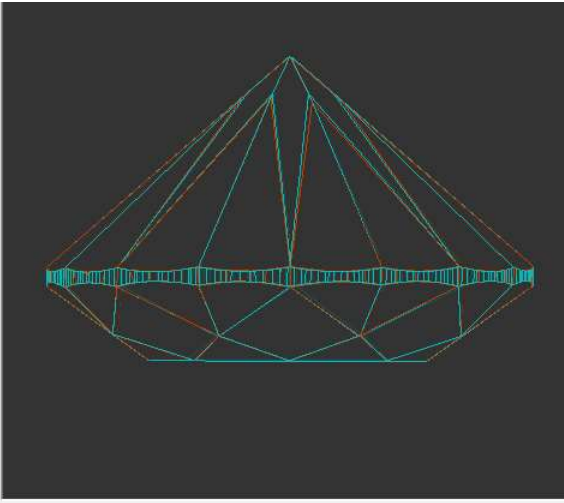
# GIA Facetware grade estimation with rendered image of future polish

Choose rounding rules for calculations:  
 GIA Rounding Rules (recommended)  
 Math Rounding Rules

Export to MS Word

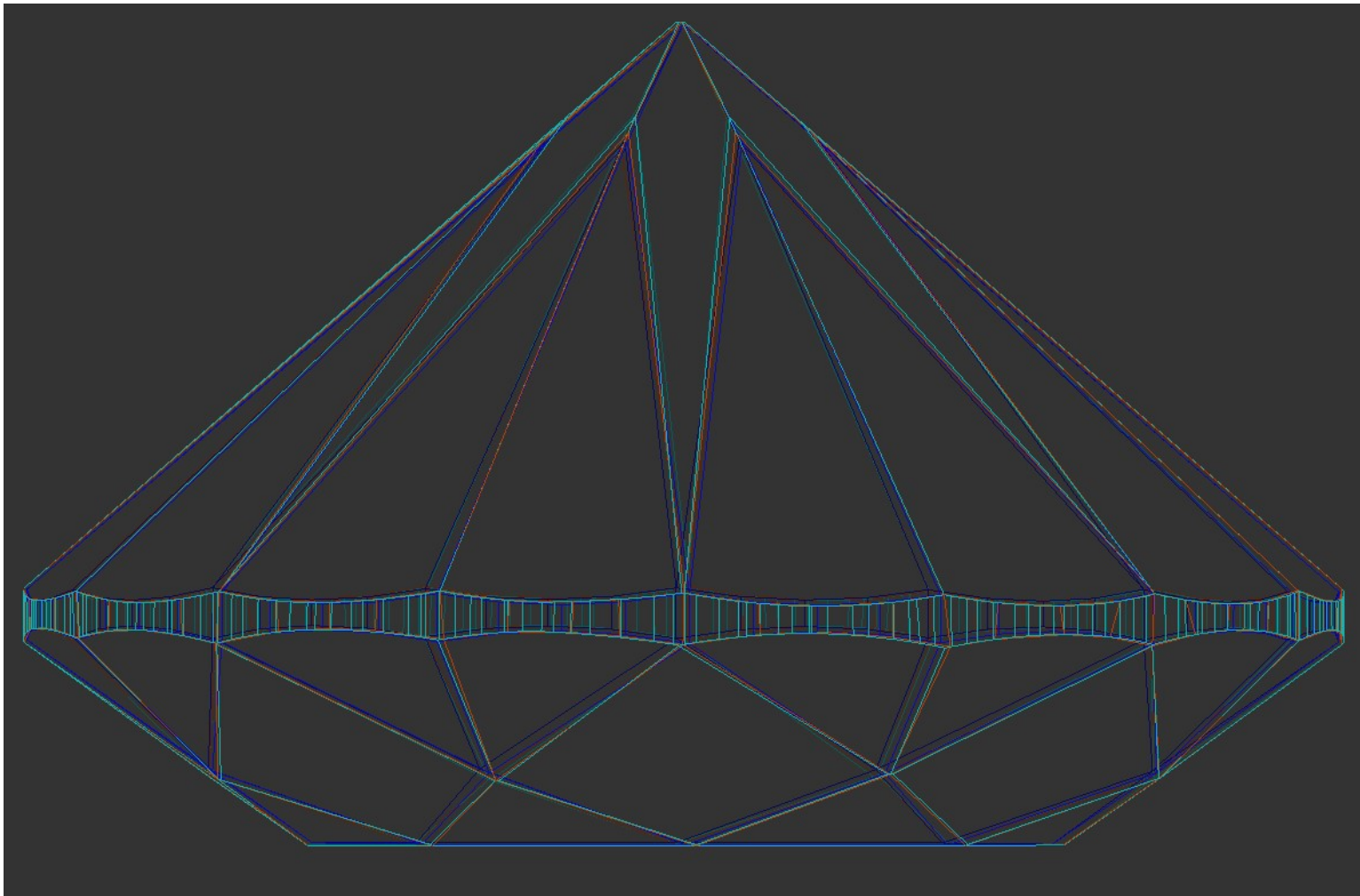
Parameters	Measured value			Rounded value	Estimated Cut Grade	Estimated Symmetry Grade	Estimated Polish Grade
	Min	Max	Dev				
Shape	-	-	-	Brilliant	-	-	-
Estimated Weight (Ct)	-	-	-	4.4726	-	-	-
Diameter (mm)	10.46	10.50	0.04	10.48	-	EX	-
Table Size (%)	57.0	57.3	0.4	57.1	-	EX	-
Crown Angle (°)	35.30	35.90	0.60	35.59	35.5	EX	-
Pavilion Angle (°)	40.70	41.00	0.30	40.81	40.8	EX	-
Star Length (%)	50.5	54.8	4.3	52.0	50	EX	-
Lower Half (%)	76.5	79.0	2.5	77.5	80	EX	-
Girdle Bezel Thickness (%)	3.89	4.18	0.29	3.99	4.0	EX	-
Star Angle (°)	22.3	23.1	0.8	22.7	22.7	EX	-
Upper Angle (°)	42.6	43.9	1.3	43.2	43.2	EX	-
Lower Angle (°)	41.8	42.2	0.4	42.0	42.0	EX	-
Girdle Valley Minimum (%)*	-	-	-	1.99	MED	EX	-
Girdle Valley Maximum (%)*	-	-	-	2.33	STK	EX	-
Culet Size (%)*	-	-	-	0.22	NON	EX	-
Crown Height (%)	15.19	15.50	0.31	15.36	15.5	EX	-
Pavilion Depth (%)	42.94	43.35	0.41	43.12	43.0	EX	-
Total Depth (%)	-	-	-	62.48	62.5	-	-
Table offset (%)	-	-	-	0.343	-	EX	-
Culet offset (%)	-	-	-	0.162	-	EX	-
Table-Culet (%)	-	-	-	0.382	-	EX	-
Crown Painting (°)	-1.41	0.67	2.09	-0.73	-0.7	EX	-
Pavilion Painting (°)	-2.25	1.41	3.66	-0.19	-0.2	EX	-
Sum Painting (°)	-	-	-	-0.92	-0.9	EX	-
Junction Twist (°)	-0.11	0.54	-	-	-	-	-
Twist (°)	0.00	1.08	-	-	-	-	-
Radius roundness by OctoNus	for window size 15%:			0.29	-	EX	-
	for window size 30%:			0.41	-	EX	-
	for window size 45%:			0.45	-	EX	EX
	for window size 90%:			0.45	-	EX	-
Table edge (%)	20.83	22.87	2.04	21.86	-	-	-
Virtual table edge (%)	20.83	22.87	2.04	21.86	-	-	-
Table edge junction (%)	0.00	0.00	0.00	0.00	-	-	-
Table angle (°)	133.5	136.1	2.6	135.0	-	-	-
Bezel width (%)	28.94	30.12	1.18	29.61	-	-	-
Estimated Intermediate GIA Cut Grade:					EX	EX	EX
Estimated Final GIA Cut Grade:						EX	

Report generated successfully





Gain – Weight of 0.079 Ct / Value of \$ 3348 (1.8%)



# Compare report – 4.4726 with 4.3933

## COMPARATIVE REPORT FOR BRILLIANT

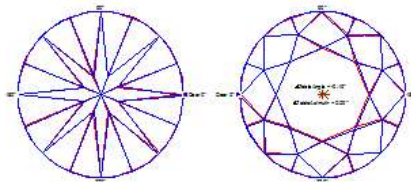
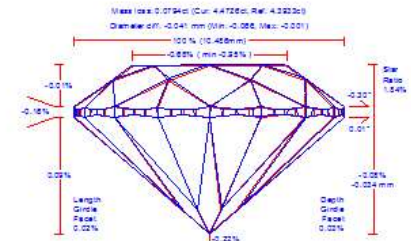
Polished Brilliant 22.9.2015

Current model: 15  
Reference model: 17  
Report type: Comparative (Reference - Current), Frozen

Expert name: N/A  
 $\Delta$ Real weight, ct: N/A  
 $\Delta$ Calculated weight: -0.08, -0.0794  
 $\Delta$ Spread: 0.03 ct, 0.65 %  
 $\Delta$ AGS Spread: 0.03 ct, 0.64 %

$\Delta$ Ratio (L/W)	$\Delta$ Min(girdle) Diameter	$\Delta$ Max(girdle) Diameter	$\Delta$ Total height
0.002	-0.055 mm	-0.036 mm	-0.034 mm

$\Delta$ Crown height	$\Delta$ Pavilion depth	$\Delta$ Table	$\Delta$ Culet	$\Delta$ Girdle		
				Bezel	Bone	Valley
-0.007 mm	-0.009 mm	-0.095 mm	-0.023 mm	-0.018 mm	-0.006 mm	-0.011 mm



— Current cutting  
 — Reference cutting  
 + Current culet center  
 x Current table center

Circles indicate reference culet and table centers  
 Circles diameters are: 0.6%, 4.8%, 2.4%, 1.2%

Table center offset: 0.040 mm 0.38 %  
 Culet center offset: 0.020 mm 0.19 %

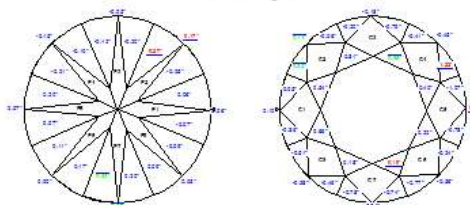


Parameter	Avg	Min	Max	Dev
$\Delta$ Diameter, mm	-0.041	-0.086	-0.001	
$\Delta$ Crown angle, °	-0.30	-0.67	0.14	0.81
$\Delta$ Pavilion angle, °	0.01	-0.17	0.26	0.43
$\Delta$ Total height, %	-0.08			
$\Delta$ Crown height, %	-0.01	-0.08	0.08	0.17
$\Delta$ Crown height bone, %	-0.16	-0.35	0.14	0.52
$\Delta$ Pavilion depth, %	0.09	-0.04	0.25	0.29
$\Delta$ Pavilion depth bone, %	0.13	-0.10	0.32	0.42
$\Delta$ Table, %	-0.68	-0.95	-0.45	0.50
$\Delta$ Culet, %	-0.22	-0.21	-0.22	-0.02
$\Delta$ Girdle Bezel, %	-0.16	-0.35	-0.07	0.28
$\Delta$ Girdle Bone, %	-0.04	-0.26	0.16	0.42
$\Delta$ Girdle Valley, %	-0.10	-0.29	0.03	0.32
$\Delta$ Star:				
$\Delta$ Upper ratio, %	-1.84	-3.42	3.42	4.41
$\Delta$ Star angle, °	0.43	-0.19	0.85	1.04
$\Delta$ Upper girdle angle, °	-0.50	-1.22	0.32	1.53
$\Delta$ Length girdle facet, %	0.02	-1.52	1.00	2.52
$\Delta$ Lower girdle angle / $\Delta$ Half angle, °	0.02	-0.27	0.33	0.60
$\Delta$ Crown height, mm	-0.007	-0.015	0.002	0.018
$\Delta$ Pavilion height, mm	-0.009	-0.022	0.009	0.031
$\Delta$ Table, mm	-0.095	-0.123	-0.070	0.052
$\Delta$ Culet, mm	-0.023	-0.022	-0.023	-0.002
$\Delta$ Girdle Bezel, mm	-0.018	-0.038	-0.009	0.029

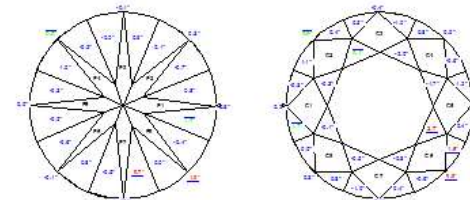
Measurement as per OctoNus theory:

	Avg	Min	Max	Dev	1	2	3	4
$\Delta$ Crown angle, °	-0.30	-0.36	-0.21	0.16	-0.28	-0.21	-0.35	-0.36
$\Delta$ Pavilion angle, °	0.01	-0.09	0.10	0.19	0.07	-0.09	0.10	-0.05

$\Delta$ Facet angles

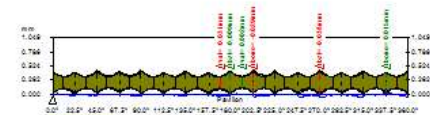


$\Delta$ Facet azimuths

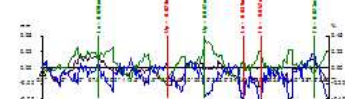


1	2	3	4	5	6	7	8
-0.060	-0.028	-0.057	-0.024				
0.10	0.14	-0.18	-0.45	-0.67	-0.56	-0.51	-0.28
0.06	-0.17	-0.05	-0.15	0.07	0.00	0.26	0.05
-0.03	0.08	0.00	-0.06	-0.08	0.01	0.01	-0.02
-0.16	0.01	-0.31	-0.38	0.14	-0.23	-0.19	-0.19
0.14	-0.04	0.08	0.05	0.07	0.02	0.25	0.13
0.23	-0.10	0.09	0.26	0.04	0.32	0.20	-0.05
-0.74	-0.45	-0.65	-0.58				
-0.20	-0.13	-0.15	-0.07	-0.07	-0.12	-0.35	-0.20
-0.16	0.00	0.14	0.03	-0.26	-0.17	-0.09	0.16
-0.05	-0.09	-0.07	-0.09	-0.04	-0.12	-0.01	-0.29
0.03	-0.23	-0.02	-0.24	-0.14	-0.15	-0.06	-0.01
3.42	1.06	2.47	2.81	-0.99	2.41	1.62	1.88
-3.42	-1.09	-2.47	-2.81	0.99	-2.41	-1.62	-1.88
0.54	0.81	0.85	0.40	0.22	-0.19	0.18	0.66
0.05	0.32	-0.06	-0.20	-0.79	-0.41	-1.22	-1.07
-0.78	-0.24	-0.77	-0.74	-0.78	-0.46	-0.51	-0.36
1.00	1.00	1.00	1.00	0.55	0.55	-1.36	-1.36
-1.52	-1.52	-1.51	-1.51	0.99	0.99	1.00	1.00
0.98	-0.05	-0.27	-0.20	-0.12	-0.10	-0.01	0.20
0.07	0.11	0.17	0.33	0.20	0.09	-0.09	-0.07
-0.009	0.002	-0.008	-0.013	-0.015	-0.005	-0.005	-0.008
-0.003	-0.022	-0.011	-0.013	-0.011	-0.015	0.009	-0.004
-0.101	-0.070	-0.123	-0.085				
-0.022	-0.015	-0.017	-0.009	-0.009	-0.014	-0.038	-0.022

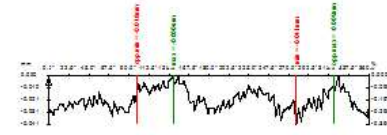
Girdle difference (mm)



Girdle difference by layers (mm)



Radius-vector difference (mm)



Reference girdle (yellow line) Current girdle (blue line)

# Compare report – guiding polisher to achieve final sol.

## TARGET REPORT FOR BRILLIANT

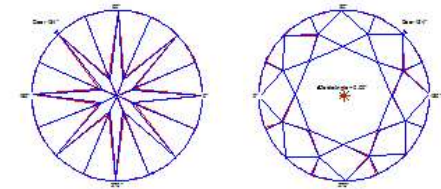
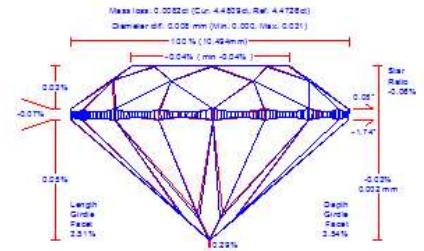
Polished Brilliant 22.9.2015

Current model: Active scan  
 Reference model: 15  
 Report type: Target (Current - Reference), Frozen

Expert name: N/A  
 ΔReal weight, ct: N/A  
 ΔCalculated weight: 0.01, 0.0082  
 ΔSpread: 0.01 ct, 0.17 %  
 ΔAGS Spread: 0.00 ct, 0.05 %

ΔRatio (L/W)	ΔMinimum Diameter	ΔMaximum Diameter	ΔTotal height
0.000	0.006 mm	0.010 mm	0.002 mm

ΔCrown height	ΔPavilion depth	ΔTable	ΔCulet	ΔGirdle		
				Bezel	Bone	Valley
0.004 mm	0.017 mm	0.001 mm	0.031 mm	-0.007 mm	-0.004 mm	-0.004 mm



— Current cutting  
 — Reference cutting  
 + Current culet center  
 x Current table center

Circles indicate reference culet and table centers  
 Circle diameters are: 9.6%, 4.8%, 2.4%, 1.2%

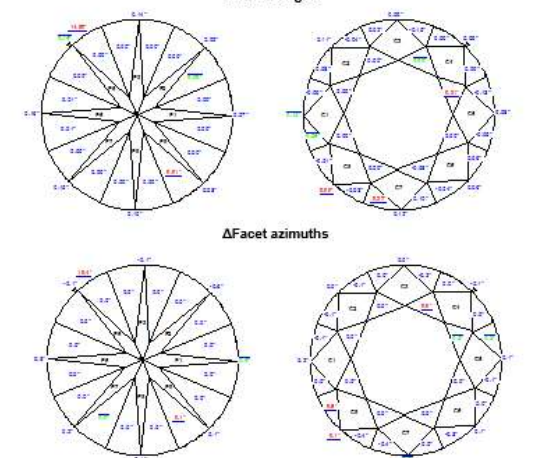
Table center offset: 0.001 mm 0.01 %  
 Culet center offset: 0.011 mm 0.11 %



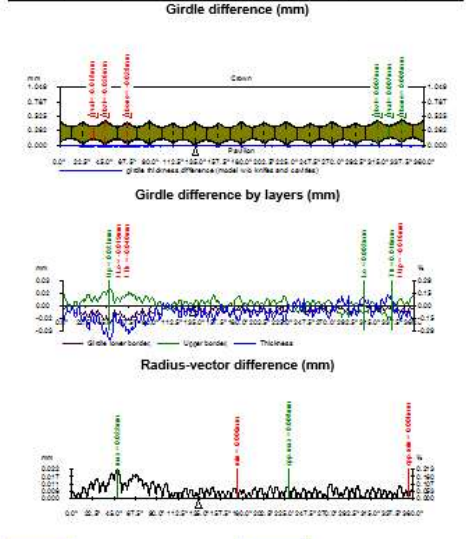
Parameter	Avg	Min	Max	Dev
ΔDiameter, mm	0.008	0.000	0.031	
ΔCrown angle, °	0.08	0.00	0.12	0.13
ΔPavilion angle, °	-1.74	-14.80	0.16	14.95
ΔTotal height, %	-0.03			
ΔCrown height, %	0.03	-0.08	0.12	0.21
ΔCrown height bone, %	-0.01	-0.09	0.12	0.21
ΔPavilion depth, %	0.13	-0.02	0.94	0.96
ΔPavilion depth bone, %	0.07	-0.37	0.34	0.72
ΔTable, %	-0.04	-0.04	-0.01	0.04
ΔCulet, %	0.29	0.12	0.41	0.29
ΔGirdle Bezel, %	-0.07	-0.26	0.07	0.32
ΔGirdle Bone, %	-0.04	-0.27	0.07	0.34
ΔGirdle Valley, %	-0.04	-0.17	0.07	0.24
ΔStar:	-0.88:	-0.71:		
ΔUpper ratio, %	0.06	-0.31	0.88	1.59
ΔStar angle, °	-0.05	-0.11	0.00	0.31
ΔUpper girdle angle, °	-0.05	-0.37	0.25	0.62
ΔLength girdle facet, %	3.51	1.09	5.53	4.44
ΔLower girdle angle / ΔHalves angle, °	0.00	-0.01	0.03	0.04
ΔCrown height, mm	0.004	-0.008	0.014	0.022
ΔPavilion height, mm	0.009	-0.004	0.021	0.026
ΔTable, mm	0.001	0.000	0.004	0.004
ΔCulet, mm	0.031	0.012	0.043	0.031
ΔGirdle Bezel, mm	-0.007	-0.028	0.007	0.034

Measurement as per OctoNus theory:

	Avg	Min	Max	Dev	1	2	3	4
ΔCrown angle, °	0.08	0.04	0.11	0.06	0.10	0.08	0.11	0.04
ΔPavilion angle, °	0.12	0.11	0.12	0.01	0.11	0.12	0.12	N/A

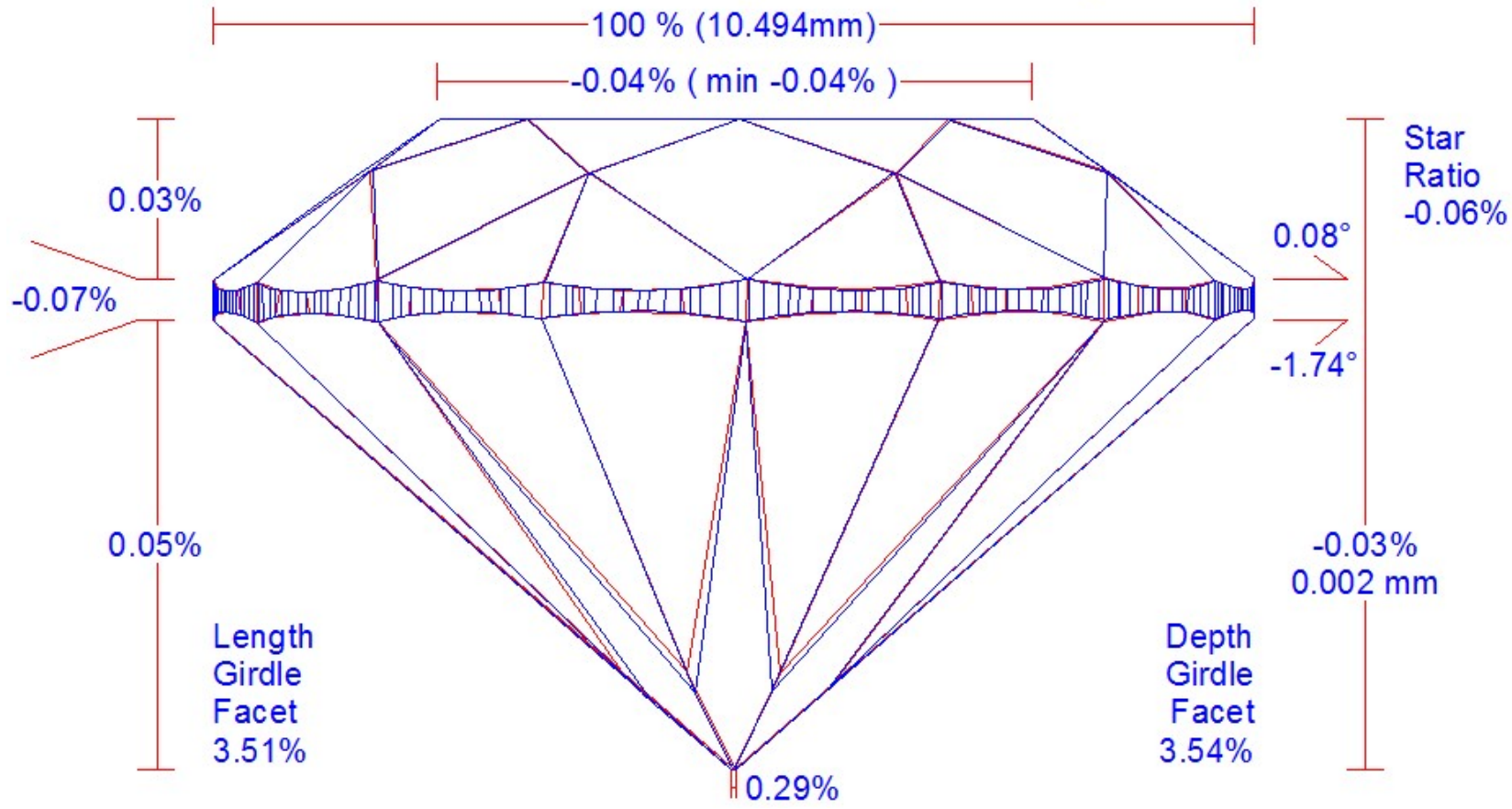


1	2	3	4	5	6	7	8
0.008	0.015	0.004	-0.005				
0.12	0.11	0.09	0.09	0.08	0.06	0.12	0.00
0.07	0.09	0.14	-14.80	0.16	0.16	0.15	0.10
0.10	0.12	0.02	-0.01	0.07	0.02	-0.01	-0.08
0.04	0.12	-0.06	0.03	0.01	-0.06	-0.09	-0.09
-0.01	0.10	0.02	0.94	-0.01	0.02	-0.02	-0.02
0.04	0.12	-0.37	0.34	0.26	-0.14	0.24	N/A
-0.04	-0.04	-0.04	-0.01				
-0.13	-0.26	-0.07	-0.01	-0.13	-0.04	-0.01	0.07
-0.12	-0.27	-0.01	-0.06	-0.04	0.04	0.06	0.07
-0.01	-0.17	-0.16	-0.16	-0.04	-0.05	-0.02	0.01
-0.04	-0.01	0.02	-0.04	0.05	-0.10	0.07	-0.03
0.01:	-0.35:	-0.06:	-0.88:	0.07:	0.02:	-0.03:	0.71:
-0.01	0.35	0.06	0.88	-0.07	-0.02	0.03	-0.71
0.00	0.00	0.00	-0.31	0.00	-0.08	0.00	0.00
-0.09	0.08	-0.04	0.02	-0.15	0.00	0.00	-0.18
-0.05	0.06	-0.24	0.10	-0.37	-0.03	-0.21	0.25
1.50	1.09	3.73	3.58	4.11	4.08	5.53	4.62
3.89	4.40	4.44	4.39	2.75	3.04	2.33	2.74
0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.01
0.01	0.00	0.00	0.00	0.00	-0.01	0.00	0.00
0.012	0.014	0.003	0.000	0.009	0.004	0.000	-0.008
0.003	0.014	0.005	0.002	0.021	-0.004	0.017	0.011
0.000	0.000	0.000	0.004				
-0.013	-0.028	-0.007	0.000	-0.013	-0.004	0.000	0.007



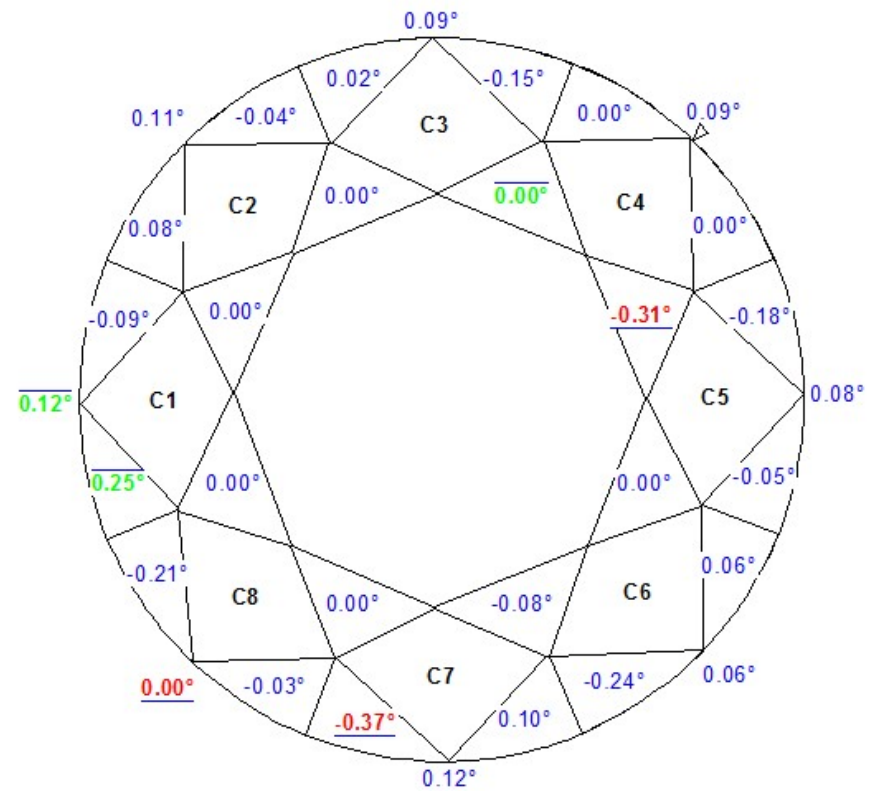
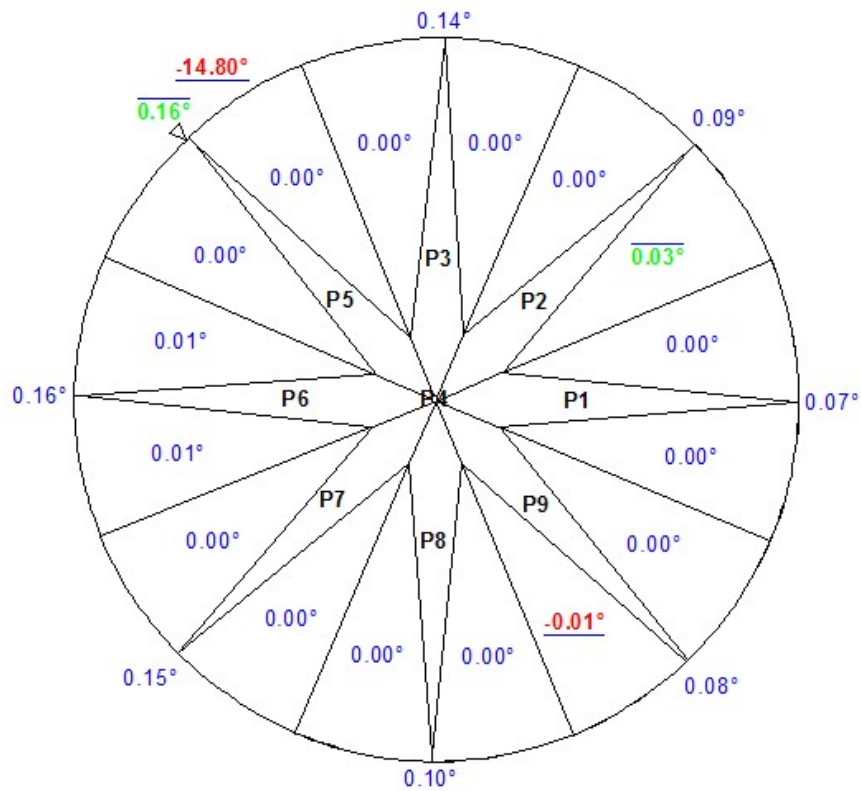
Mass loss: 0.0082ct (Cur: 4.4809ct, Ref: 4.4726ct)

Diameter diff: 0.008 mm (Min: 0.000, Max: 0.031)



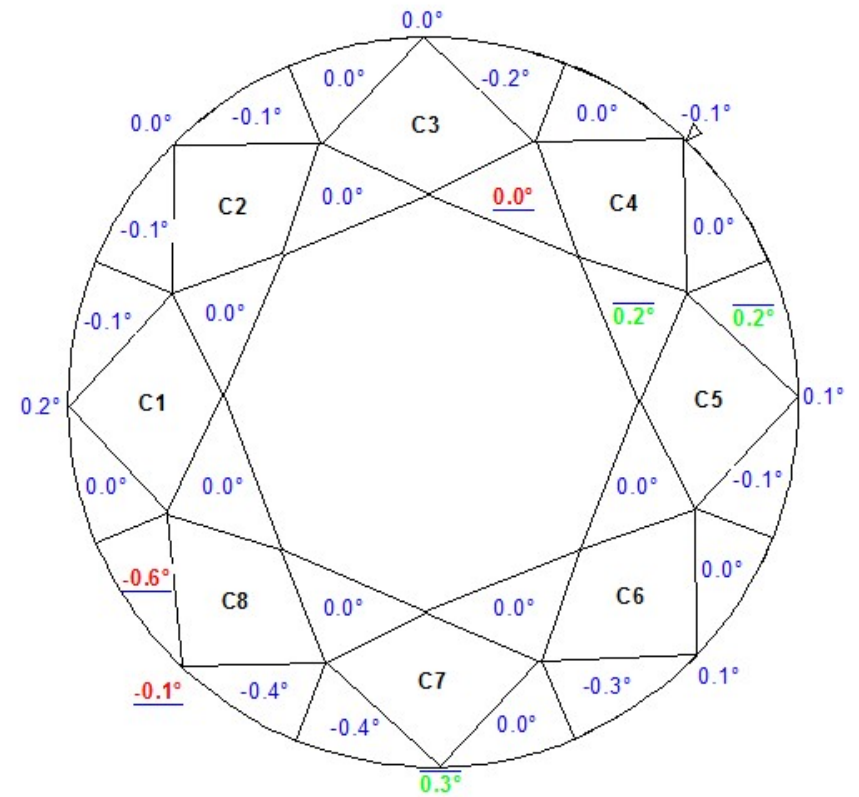
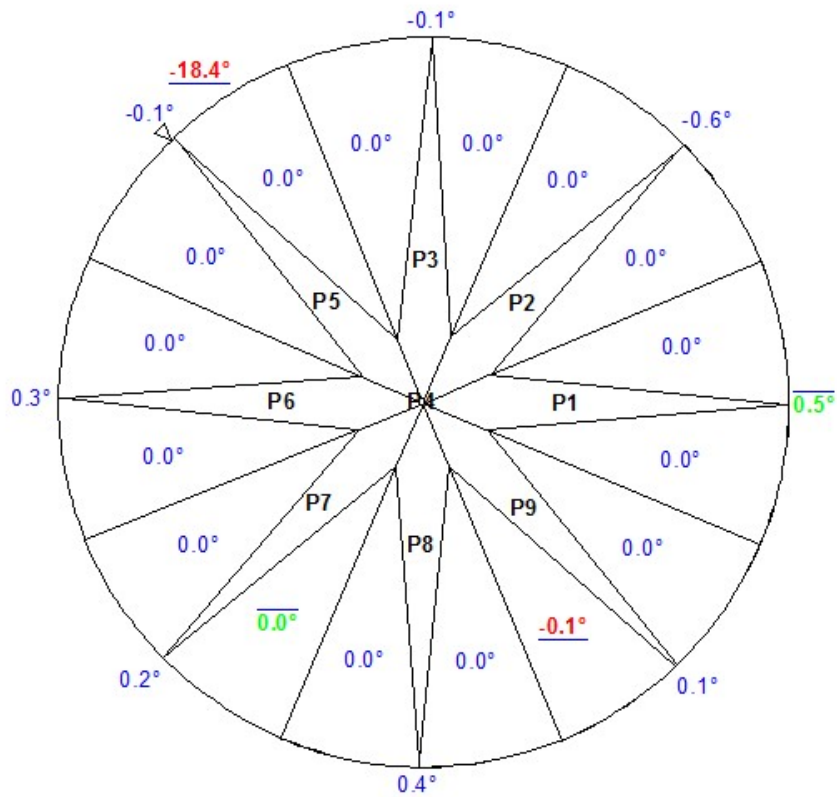
# Re-Imagineering Solution of 4.4726 Ct

## $\Delta$ Facet angles



# Re-Imagineering Solution of 4.4726 Ct

## $\Delta$ Facet azimuths



# Girdle laser inscription was requested to be removed as the owner expected better Color grade on fresh submission

LEXUS - GIA FACETWARE - CUT & SYMMETRY GRADE ESTIMATOR (HASP NO. = GIA-LGE-R-00012) (Version No. = 2015.7.10) (Date Time = 8/5/2015 5:46:38 PM)

File Setting Print

## Helium Polish™

Stone ID:  Date: 9/22/2015 10:16:03 AM

Parameters	Measured Value	GIA Rounded Value & Estimated Cut Grade	Estimated Symmetry Grade
Shape	Round Brilliant	Round Brilliant	
Calculated Weight ( Ct )	4.4705		
Diameter ( mm )	(10.465-10.513) 10.489	10.49	Excellent
Table Size (mm) - %	(5.976-6.018) 57.14	57.0	Excellent
Crown Angle ( ° )	(35.39-35.87) 35.67	35.5	Excellent
Pavilion Angle ( ° )	(40.61-40.91) 40.75	40.8	Excellent
Star Angle ( ° )	(22.27-23.12) 22.65	22.7	Excellent
Upper Angle ( ° )	(42.46-43.57) 43.10	43.1	Excellent
Lower Angle ( ° )	(41.84-42.20) 42.01	42	Excellent
Star Length ( % )	(49.54-55.37) 51.87	50.0	Excellent
Lower Half Length ( % )	(74.85-77.17) 75.93	75.0	Excellent
Girdle Thickness (mm) - %	(0.396-0.419) 3.91	4	Excellent
Girdle Minimum ( % ) *	1.96	Med(MED)	
Girdle Maximum ( % ) *	2.23	Slightly Thick(STK)	
Culet Size ( % ) *	0.26	NON	
Crown Height (mm) - %	(1.598-1.628) 15.38	15.5	Excellent
Pavilion Depth (mm) - %	(4.494-4.538) 43.01	43.0	Excellent
Total Depth ( % )	62.29	62.3	
Avg Crown Painting ( ° )	0.63	-0.6	
Avg Pavilion Painting ( ° )	0.25	-0.3	
Avg Sum Of Painting ( ° )	0.88	-0.6	
Table Off Center ( % )	0.35	0.4	Excellent
Culet Off Center ( % )	0.23	0.2	Excellent
Table/Culet Alignment ( % )	0.47	0.5	Excellent
ALIGNMENT ( ° )	0.4	0.4	Excellent
TEV ( % )	2.0	2.0	Excellent

The model has small errors

Excellent

Excellent

\* Conversion of % to verbal description is approximate

Limitations	FAQ
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**Additional requirement for the presented Estimated GIA Cut Grade**

Polish: Excellent, Very Good

**LEMOM TechnoMist**  
Imagineering Diamonds

Plot No. 25 - 28, Navrang Industrial Estate,  
Nr. Sosyo Circle, Ukhna Magdalla Road, Surat - 395 017, INDIA  
.Ph. - +91 261 263 55 58 Fax. - +91 261 263 55 48  
Web : http:// www.lemontechnomist.com  
E-Mail : info@lemontechnomist.com

### LTM DIAMOND REPORT

Client's Name:   
Stone No: PU071521K529  
Report Date: 28.07.2015  
Real weight, ct: 4.470  
Measurements, mm: 10.489 (10.465 - 10.513) x 6.534

### GRADE

SYMMETRY	Excellent
POLISH	Excellent
CUT	Excellent

REMARKS:

This document is not a warranty, guarantee or appraisal of value. This certificate is provided upon specific request from the owner of the diamond, for his own use. LTM cannot be held responsible for any claim whatsoever which may be made on the basis of this certificate. It only contains the characteristics of the diamond after it has been cut graded and analyzed at LTM with the help of Helium & its allied software including Diamic, standardized viewing environment and a few proprietary instruments/software. Diamond profile diagram is an accurate 3D Model of the real diamond and the photos are real images captured using RPS under specific lighting condition. This certificate can be reproduced with prior written permission from LTM.

# DiBox images of final polish – 4.4705 Ct

