



Light Performance Cutting Guidelines

These guidelines are for round brilliant cut (RBC) diamonds in common weights at the indicated table size, with no culet, medium girdle, 50% average star length and 78% average lower girdle facet length. Light Performance and Contrast scores may be reduced when average lower girdle facet length is below 76%.

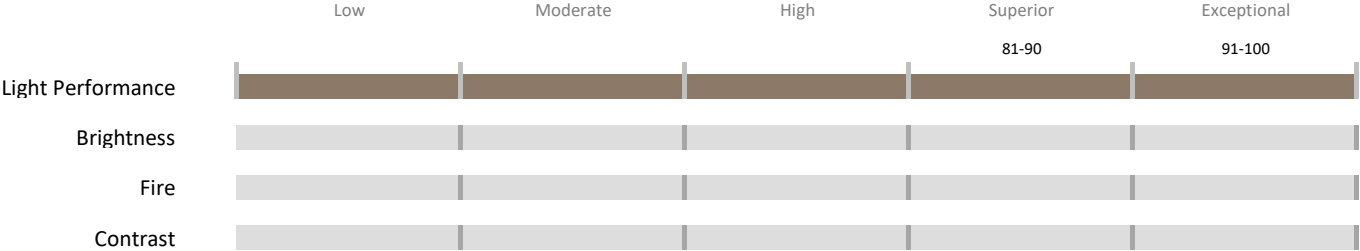
Find Light Performance score on XY grid. Descend through Y column for Brightness & Fire scores. Find Contrast score on bottom XY grid.

TABLE 50%

[Diamond cut grading methodology and definitions](#)

		Crown Angle (degrees)																											
		28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0			
Pavilion Angle (degrees)	39.6																												
	39.8																												
	40.0	Light Performance																	95	95	95	95	95	95	95				
	40.2																		96	96	98	98	98	94					
	40.4														95	95	95		98	98	97	97							
	40.6													95	98	100	98		98	97	96								
	40.8												98	98	100	100	97		94										
	41.0									95	95	98	98	100	100	97	91												
	41.2						95	98	98	98	98	97	97	96															
	41.4				95	94	97	97	97	97	96	95	91																
	41.6				98	97	98	96	96	95	91																		
	41.8				98	97	97	95																					
	42.0				95	95	95																						
	42.2																												
	42.4																												
		↓ ↓																											
Brightness		99	99	99	99	98	98	97	96	96	95	94	94	93	92	92	91	91	90	90									
Fire		98	99	99	99	99	99	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100			
		↓ ↓																											
Pavilion Angle (degrees)	39.6																												
	39.8																												
	40.0	Contrast																	92	92	92	92	92	94	94				
	40.2																		92	92	92	95	95	92					
	40.4															90	91	91		92	95	95	91						
	40.6														97	97	99	100		97	99	99							
	40.8													97	99	100	100	99		95									
	41.0									97	97	100	100	99	99	95	93												
	41.2						97	99	99	99	99	98	95	93															
	41.4				97	99	100	99	99	98	95	93	93																
	41.6				100	99	99	98	93	93	93																		
	41.8				99	98	93	93																					
	42.0				93	93	93																						
	42.2																												
	42.4																												
		28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0			
		Crown Angle (degrees)																											

Indications on report





Light Performance Cutting Guidelines

These guidelines are for round brilliant cut (RBC) diamonds in common weights at the indicated table size, with no culet, medium girdle, 50% average star length and 78% average lower girdle facet length. Light Performance and Contrast scores may be reduced when average lower girdle facet length is below 76%.

Find Light Performance score on XY grid. Descend through Y column for Brightness & Fire scores. Find Contrast score on bottom XY grid.

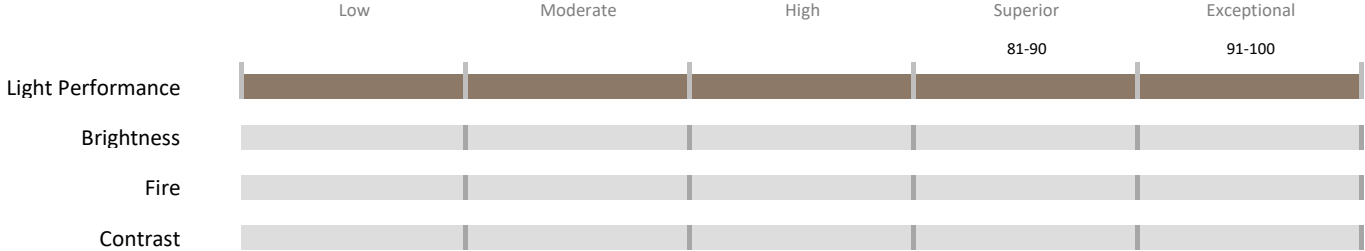
TABLE 51%

[Diamond cut grading methodology and definitions](#)

		Crown Angle (degrees)																										
		28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0		
Pavilion Angle (degrees)	39.6																											
	39.8																											
	40.0	Light Performance																95	95	95	98	98	98	98				
	40.2																95	95	96	98	98	98	98	98	96			
	40.4															95	96	96	100	98	97	97						
	40.6														95	98	100	100	98	97	94							
	40.8											95	98	98	100	100	97	94										
	41.0									95	95	98	98	100	100	97	94											
	41.2							95	98	98	98	98	97	95	96													
	41.4					95	97	97	97	97	97	97	93	91														
	41.6					98	97	97	96	94	93	91																
	41.8					98	97	95	95																			
	42.0					95	95	92																				
	42.2																											
	42.4																											
		↓ ↓																										
Brightness		99	99	99	99	98	98	98	97	96	95	95	94	94	93	92	92	91	90	90								
Fire		98	98	99	99	99	99	99	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
		↓ ↓																										
Pavilion Angle (degrees)	39.6																											
	39.8																											
	40.0	Contrast																	92	92	92	92	92	94	95			
	40.2																91	91	92	92	92	95	95	92				
	40.4																90	91	91	92	95	95	91					
	40.6																97	97	99	100	100	96	96					
	40.8											97	97	99	100	100	99	95										
	41.0									97	97	100	100	99	99	95	93											
	41.2							97	99	100	100	99	94	93	93													
	41.4					99	99	100	99	99	98	93	93	93														
	41.6					100	99	99	98	93	93	93																
	41.8					99	93	95	93																			
	42.0					93	93	93																				
	42.2																											
	42.4																											
		↓ ↓																										
		28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0		

©2024 International Gemological Institute

Indications on report





Light Performance Cutting Guidelines

These guidelines are for round brilliant cut (RBC) diamonds in common weights at the indicated table size, with no culet, medium girdle, 50% average star length and 78% average lower girdle facet length. Light Performance and Contrast scores may be reduced when average lower girdle facet length is below 76%.

Find Light Performance score on XY grid. Descend through Y column for Brightness & Fire scores. Find Contrast score on bottom XY grid.

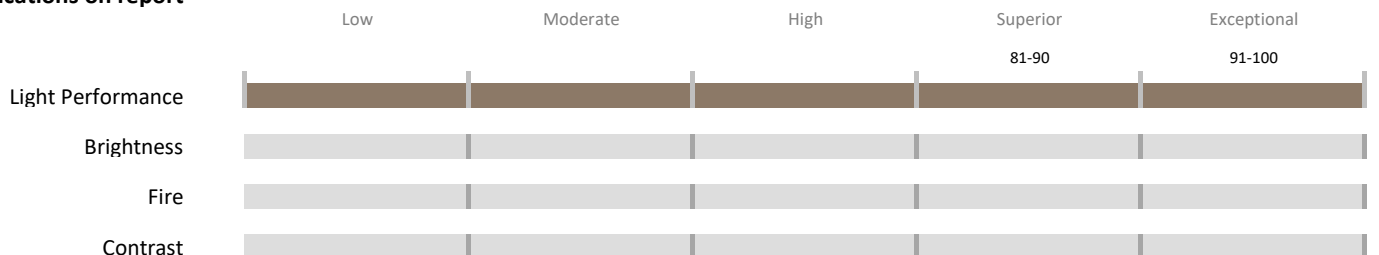
TABLE 52%

[Diamond cut grading methodology and definitions](#)

		Crown Angle (degrees)																									
		28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0	
Pavilion Angle (degrees)	39.6																										
	39.8																										
	40.0	Light Performance												95	95	95	95	95	95	98	98						
	40.2															95	96	96	98	98	98	98	97				
	40.4														95	96	98	100	98	97	97						
	40.6											95	95	98	100	100	100	97	93								
	40.8										95	98	98	98	98	100	99	94									
	41.0									95	98	98	98	100	100	97	91										
	41.2						95	98	98	98	98	97	97	96													
	41.4				95	94	97	97	97	97	97	95	91														
	41.6				98	97	97	96	94	95																	
	41.8				98	97	95	95																			
	42.0				95	95	94																				
	42.2																										
	42.4																										
			↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
Brightness		100	99	99	99	99	99	98	98	97	96	96	95	95	94	93	93	92	91								
Fire		96	98	98	99	99	99	99	99	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
		↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	
Pavilion Angle (degrees)	39.6																										
	39.8																										
	40.0	Contrast												91	92	92	92	92	92	92	94						
	40.2															91	91	92	92	92	94	95					
	40.4															90	91	92	92	95	95	91					
	40.6											97	97	97	99	100	100	99	99								
	40.8									97	97	97	99	100	99	99	95										
	41.0								97	97	100	100	99	99	93	93											
	41.2					97	99	100	100	99	99	93	93														
	41.4			97	99	100	99	99	98	93	93	93															
	41.6			100	99	99	93	93	93																		
	41.8			99	93	93	93																				
	42.0			93	93	93																					
	42.2																										
	42.4																										
			28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0
		Crown Angle (degrees)																									

©2024 International Gemological Institute

Indications on report





Light Performance Cutting Guidelines

These guidelines are for round brilliant cut (RBC) diamonds in common weights at the indicated table size, with no culet, medium girdle, 50% average star length and 78% average lower girdle facet length. Light Performance and Contrast scores may be reduced when average lower girdle facet length is below 76%.

Find Light Performance score on XY grid. Descend through Y column for Brightness & Fire scores. Find Contrast score on bottom XY grid.

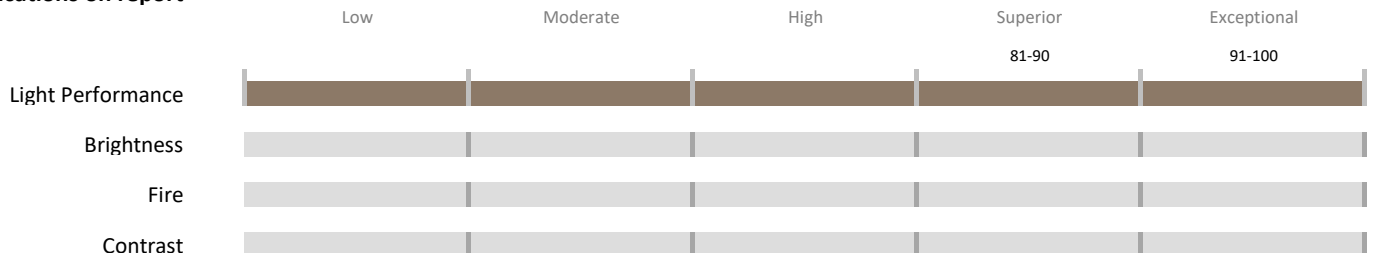
TABLE 53%

[Diamond cut grading methodology and definitions](#)

		Crown Angle (degrees)																											
		28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0			
Pavilion Angle (degrees)	39.6																												
	39.8																												
	40.0	Light Performance																	95	95	98	98	98	98	96				
	40.2															95	95	96	100	98	98	96	94						
	40.4												95	95	95	98	98	100	100	97									
	40.6											95	96	96	98	100	100	100	97										
	40.8										95	98	98	98	100	100	99	95											
	41.0									95	96	98	98	100	98	97	91												
	41.2					95	95	95	98	98	98	97	97	96															
	41.4				95	97	97	97	97	97	97	97	93	91															
	41.6				98	97	97	96	95	93																			
	41.8				98	97	97	93	91																				
	42.0				95	95	94																						
	42.2																												
	42.4																												
		↓ ↓																											
Brightness		100	100	99	99	99	99	99	98	98	97	96	96	95	95	94	93	93	92	91									
Fire		96	96	98	98	99	99	99	99	99	99	100	100	100	100	100	100	100	100	100	100	100	100	100	100				
		↓ ↓																											
Pavilion Angle (degrees)	39.6																												
	39.8																												
	40.0	Contrast																	92	92	92	92	92	94	91				
	40.2															91	91	92	92	92	94	92	90						
	40.4															90	90	90	91	91	92	95	91						
	40.6															97	97	97	97	99	100	100	96						
	40.8															97	97	97	99	100	100	99	93						
	41.0															97	97	100	100	99	99	93	93						
	41.2																97	97	99	100	100	99	99						
	41.4																97	99	100	99	99	95	93	93					
	41.6																100	99	99	93	93	93							
	41.8																99	93	93	93	93								
	42.0																93	93	93										
	42.2																												
	42.4																												
		↓ ↓																											
		28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0			

©2024 International Gemological Institute

Indications on report





Light Performance Cutting Guidelines

These guidelines are for round brilliant cut (RBC) diamonds in common weights at the indicated table size, with no culet, medium girdle, 50% average star length and 78% average lower girdle facet length. Light Performance and Contrast scores may be reduced when average lower girdle facet length is below 76%.

Find Light Performance score on XY grid. Descend through Y column for Brightness & Fire scores. Find Contrast score on bottom XY grid.

TABLE 55%

[Diamond cut grading methodology and definitions](#)

Pavilion Angle (degrees)	Crown Angle (degrees)																								
	28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0
39.6																									
39.8																									
40.0																		98	98	98	98	98	98	96	
40.2																		98	98	98	100	98	98	98	96
40.4													95	98	98	100	100	100	100	97	95				
40.6											95	95	96	98	100	100	100	97	95						
40.8								95	95	96	98	98	100	100	99	94									
41.0						95	95	96	98	98	100	100	100	97	91										
41.2						95	98	98	98	98	100	99	95	96											
41.4						98	97	97	97	97	97	96	95	91											
41.6						98	97	97	96	94	95	91													
41.8						98	97	97	95	91															
42.0						96	95	95																	
42.2																									
42.4																									

	28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0
Brightness	100	100	100	100	99	99	99	99	99	99	98	98	97	97	96	95	95	94	94	93					
Fire	92	92	96	96	98	98	99	99	99	99	99	99	100	100	100	100	100	100	100	100	100	100	100	100	

Pavilion Angle (degrees)	Crown Angle (degrees)																								
	28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0
39.6																									
39.8																									
40.0																		92	92	92	92	92	91	92	
40.2																	91	91	92	92	92	94	95	92	
40.4													90	90	91	91	92	92	95	95	91				
40.6											97	97	97	97	99	100	100	99	94						
40.8								97	97	97	97	99	100	100	99	93									
41.0						97	97	97	97	100	100	99	99	93	93										
41.2						99	99	99	100	100	96	94	93	93											
41.4						99	99	100	99	99	93	93	93	93											
41.6						100	99	99	93	95	93	93													
41.8						96	93	93	93	93															
42.0						93	93	93																	
42.2																									
42.4																									

©2024 International Gemological Institute

Indications on report

	Low	Moderate	High	Superior	Exceptional
Light Performance				81-90	91-100
Brightness					
Fire					
Contrast					



Light Performance Cutting Guidelines

These guidelines are for round brilliant cut (RBC) diamonds in common weights at the indicated table size, with no culet, medium girdle, 50% average star length and 78% average lower girdle facet length. Light Performance and Contrast scores may be reduced when average lower girdle facet length is below 76%.

Find Light Performance score on XY grid. Descend through Y column for Brightness & Fire scores. Find Contrast score on bottom XY grid.

TABLE 58%

[Diamond cut grading methodology and definitions](#)

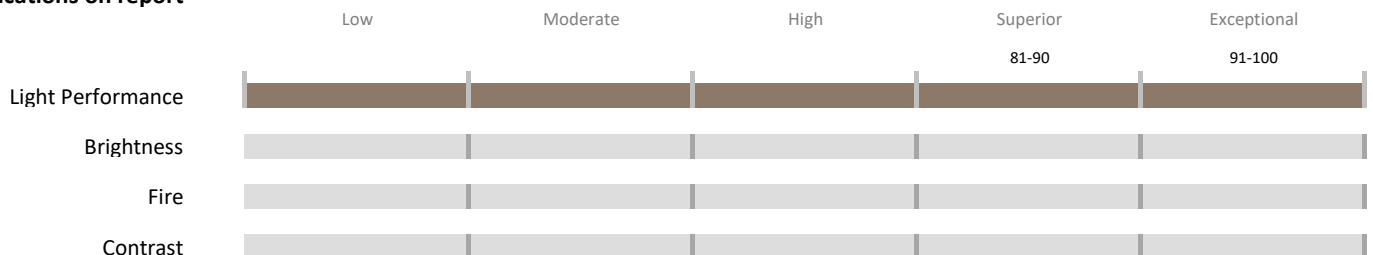
		Crown Angle (degrees)																													
		28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0					
	39.6																														
	39.8																														
	40.0	Light Performance																			96	96	96	96	92						
	40.2																														
	40.4												95	95	98	100	100	100	100	100	98	98	92								
	40.6										95	98	98	98	98	100	100	100	100	100	97										
	40.8								95	95	98	98	98	100	100	100	97	91													
	41.0					95	95	96	96	98	98	100	100	98	95																
	41.2					95	96	98	98	98	100	97	94	94																	
	41.4				95	95	97	97	97	97	94	94																			
	41.6				98	97	97	96	95	94	91																				
	41.8				98	97	96	94	91																						
	42.0				97	97	92	92																							
	42.2																														
	42.4																														

Brightness	100	100	100	100	100	100	100	99	99	99	99	99	98	98	97	97	96
Fire	88	88	88	88	92	92	96	96	98	99	99	99	99	99	100	100	100

		Crown Angle (degrees)																													
		28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0					
	39.6																														
	39.8																														
	40.0	Contrast																			92	92	92	92	92						
	40.2															90	91	91	92	92	92	94									
	40.4												90	90	90	91	91	92	94	95	94										
	40.6										97	97	97	97	97	99	100	100	94												
	40.8								97	97	97	97	97	99	100	100	94	93													
	41.0					97	97	97	97	97	99	100	99	96	93																
	41.2					97	97	99	100	100	96	96	93	93																	
	41.4				99	99	100	99	94	93	93	93																			
	41.6				100	100	94	93	93	93	93																				
	41.8				94	93	93	93	93																						
	42.0				93	93	93	93																							
	42.2																														
	42.4																														

©2024 International Gemological Institute

Indications on report





Light Performance Cutting Guidelines

These guidelines are for round brilliant cut (RBC) diamonds in common weights at the indicated table size, with no culet, medium girdle, 50% average star length and 78% average lower girdle facet length. Light Performance and Contrast scores may be reduced when average lower girdle facet length is below 76%.

Find Light Performance score on XY grid. Descend through Y column for Brightness & Fire scores. Find Contrast score on bottom XY grid.

TABLE 59%

[Diamond cut grading methodology and definitions](#)

		Crown Angle (degrees)																														
		28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0						
Pavilion Angle (degrees)	39.6																															
	39.8																															
	40.0	Light Performance																			95	95	92	92								
	40.2															98	98	96	96	96	92											
	40.4												95	95	95	98	98	96	96	96	91											
	40.6										98	98	98	98	100	100	100	97	95													
	40.8									98	98	98	100	100	100	98	95	91														
	41.0					95	95	95	96	98	96	100	98	97	95																	
	41.2					95	97	97	97	98	98	95	93	91																		
	41.4					94	97	97	97	97	96	97	92																			
	41.6					95	97	96	95	94	94																					
	41.8					97	97	96	92																							
	42.0					97	97																									
	42.2																															
	42.4																															

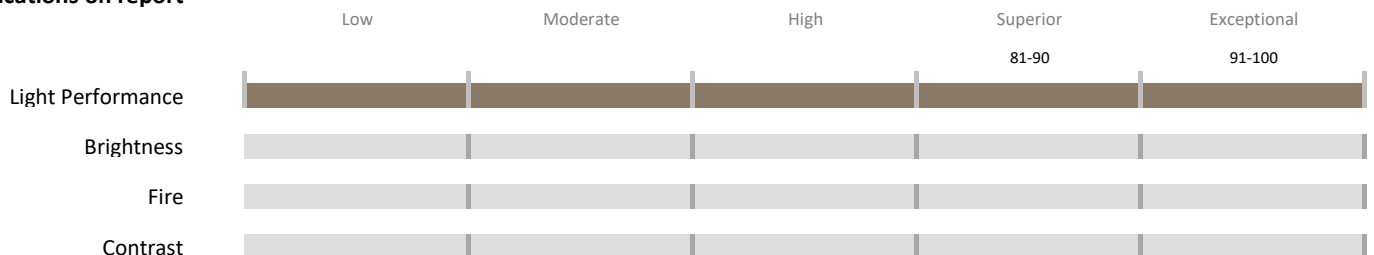
Brightness	100	100	100	100	100	100	100	100	100	100	99	99	99	99	99	99	98	97
-------------------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	----	----	----	----	----	----	----	----

Fire	87	88	88	88	88	92	92	96	96	98	98	99	99	99	99	99	100
-------------	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----

		Crown Angle (degrees)																														
		28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0						
Pavilion Angle (degrees)	39.6																															
	39.8																															
	40.0	Contrast																			92	92	92	92								
	40.2															91	91	92	92	92	94											
	40.4												90	90	90	91	94	92	95	95												
	40.6										97	97	97	97	97	99	96	100	94													
	40.8									97	97	97	99	99	100	100	93	93														
	41.0					97	97	97	97	97	99	96	96	96	93																	
	41.2					97	97	99	100	100	94	93	93	93																		
	41.4					97	99	100	99	94	93	93	93																			
	41.6					100	99	94	93	93	93																					
	41.8					94	93	93	93																							
	42.0					93	93																									
	42.2																															
	42.4																															

©2024 International Gemological Institute

Indications on report





Light Performance Cutting Guidelines

These guidelines are for round brilliant cut (RBC) diamonds in common weights at the indicated table size, with no culet, medium girdle, 50% average star length and 78% average lower girdle facet length. Light Performance and Contrast scores may be reduced when average lower girdle facet length is below 76%.

Find Light Performance score on XY grid. Descend through Y column for Brightness & Fire scores. Find Contrast score on bottom XY grid.

TABLE 60%

[Diamond cut grading methodology and definitions](#)

		Crown Angle (degrees)																										
		28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0		
Pavilion Angle (degrees)	39.6																											
	39.8																											
	40.0	Light Performance																										
	40.2																95	95	95	94								
	40.4													96	98	98	96	96	95									
	40.6									95	95	98	98	100	100	98	98	95										
	40.8						95	95	98	98	98	100	100	100	97	96												
	41.0					95	96	98	98	98	100	100	97	95														
	41.2				95	95	97	97	97	97	99	96	93															
	41.4				95	97	96	96	96	96	93																	
	41.6				97	97	95	95	92																			
	41.8				97	96	93																					
	42.0				97	94																						
	42.2																											
	42.4																											

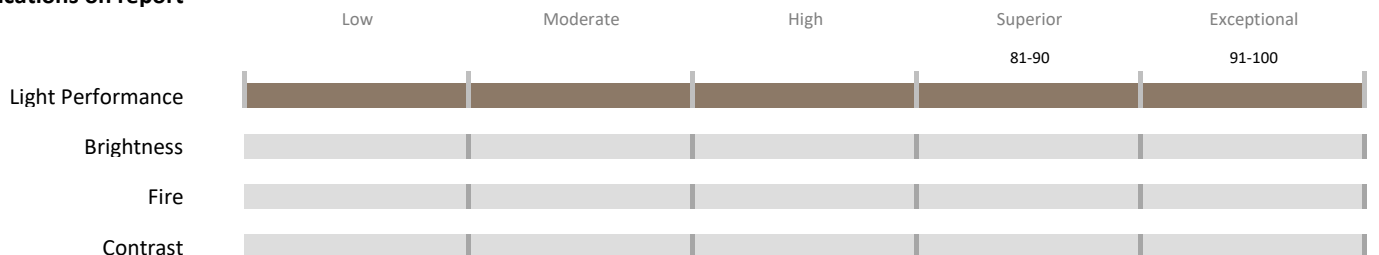
Brightness	100	100	100	100	100	100	100	100	100	100	100	100	99	99	99	99	99
-------------------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	----	----	----	----	----

Fire	87	87	88	88	88	88	88	92	92	96	96	98	98	99	99	99
-------------	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

		Crown Angle (degrees)																									
		28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0	
Pavilion Angle (degrees)	39.6																										
	39.8																										
	40.0	Contrast																									
	40.2																	91	92	92	92						
	40.4													90	90	91	91	92	95								
	40.6									97	97	97	97	97	97	99	100	100									
	40.8						97	97	97	97	97	97	99	100	96	94											
	41.0						97	97	97	97	97	99	100	94	94												
	41.2				97	97	97	99	100	100	94	94	93														
	41.4				97	99	100	99	94	93	93																
	41.6				100	96	94	93	93																		
	41.8				94	93	93																				
	42.0				93	93																					
	42.2																										
	42.4																										

©2024 International Gemological Institute

Indications on report





Light Performance Cutting Guidelines

These guidelines are for round brilliant cut (RBC) diamonds in common weights at the indicated table size, with no culet, medium girdle, 50% average star length and 78% average lower girdle facet length. Light Performance and Contrast scores may be reduced when average lower girdle facet length is below 76%.

Find Light Performance score on XY grid. Descend through Y column for Brightness & Fire scores. Find Contrast score on bottom XY grid.

TABLE 61%

[Diamond cut grading methodology and definitions](#)

		Crown Angle (degrees)																									
		28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0	
Pavilion Angle (degrees)	39.6																										
	39.8																										
	40.0	Light Performance																									
	40.2																	95	94								
	40.4														95	95	95	95									
	40.6									95	95	95	95	96	96	95	95										
	40.8						95	97	97	97	97	98	97	97	95	95	95										
	41.0				94	94	98	98	97	98	100	99	97	94	92												
	41.2				94	97	97	97	97	96	96	95	93	91													
	41.4				95	96	95	95	95	94	92																
	41.6				96	96	94	94	94	94																	
	41.8				96	95	93																				
	42.0				94																						
	42.2																										
	42.4																										

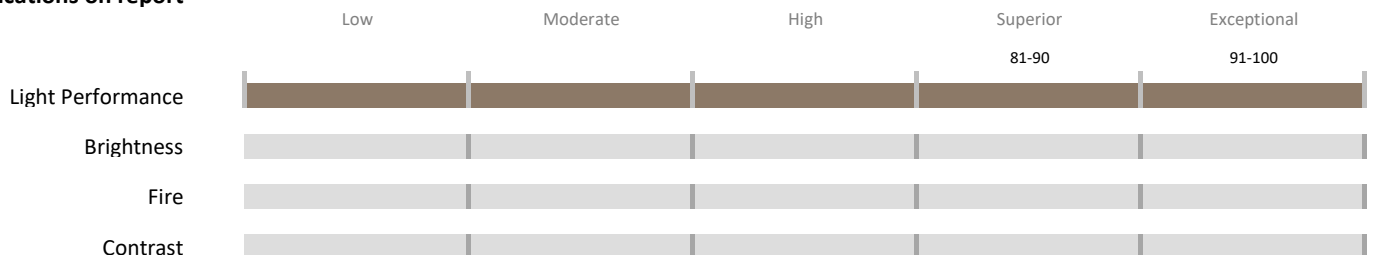
Brightness	100	100	100	100	100	100	100	100	100	100	100	100	100	99	99
-------------------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	----	----

Fire	87	87	87	87	88	88	88	88	92	92	96	96	98	98
-------------	----	----	----	----	----	----	----	----	----	----	----	----	----	----

		Crown Angle (degrees)																								
		28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0
Pavilion Angle (degrees)	39.6																									
	39.8																									
	40.0	Contrast																								
	40.2																	92	92							
	40.4														90	91	91	92								
	40.6									97	97	97	97	97	97	99	100	95								
	40.8						97	97	97	97	97	97	99	100	95	94										
	41.0				97	97	97	97	97	97	99	100	94	94	93											
	41.2				97	97	97	99	100	97	94	94	93	93												
	41.4				97	99	100	96	94	94	93	93														
	41.6				100	94	94	93	93	93																
	41.8				94	93	93																			
	42.0				93																					
	42.2																									
	42.4																									

©2024 International Gemological Institute

Indications on report





Light Performance Cutting Guidelines

These guidelines are for round brilliant cut (RBC) diamonds in common weights at the indicated table size, with no culet, medium girdle, 50% average star length and 78% average lower girdle facet length. Light Performance and Contrast scores may be reduced when average lower girdle facet length is below 76%.

Find Light Performance score on XY grid. Descend through Y column for Brightness & Fire scores. Find Contrast score on bottom XY grid.

TABLE 62%

[Diamond cut grading methodology and definitions](#)

		Crown Angle (degrees)																								
		28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0
Pavilion Angle (degrees)	39.6																									
	39.8																									
	40.0	Light Performance																								
	40.2																									
	40.4																									
	40.6											94	94	94	94	94	94	94	92							
	40.8								95	95	95	95	95	95	95	95	94									
	41.0					94	94	97	97	97	97	97	97	95	94	91										
	41.2				93	95	96	96	96	96	96	95														
	41.4				93	94	96	95	94	94	92															
	41.6				94	96	94	94	92	91																
	41.8				96	93	92																			
	42.0				95																					
	42.2																									
	42.4																									

↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓

Brightness	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
-------------------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

Fire	87	87	87	87	87	88	88	88	88	88	92	92	96	96											
-------------	----	----	----	----	----	----	----	----	----	----	----	----	----	----	--	--	--	--	--	--	--	--	--	--	--

↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓

		Crown Angle (degrees)																							
		28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5
Pavilion Angle (degrees)	39.6																								
	39.8																								
	40.0	Contrast																							
	40.2																								
	40.4																								
	40.6											97	97	97	99	100	100	95							
	40.8							97	97	97	97	97	97	99	100	94	94								
	41.0					97	97	97	97	97	99	97	94	94	93										
	41.2				97	97	97	99	100	95	95	94													
	41.4				97	99	100	94	94	94	93														
	41.6				100	94	94	93	93	93															
	41.8				94	93	93																		
	42.0				93																				
	42.2																								
	42.4																								

Crown Angle (degrees)

©2024 International Gemological Institute

Indications on report

	Low	Moderate	High	Superior	Exceptional
Light Performance			81-90		91-100
Brightness					
Fire					
Contrast					



Light Performance Cutting Guidelines

These guidelines are for round brilliant cut (RBC) diamonds in common weights at the indicated table size, with no culet, medium girdle, 50% average star length and 78% average lower girdle facet length. Light Performance and Contrast scores may be reduced when average lower girdle facet length is below 76%.

Find Light Performance score on XY grid. Descend through Y column for Brightness & Fire scores. Find Contrast score on bottom XY grid.

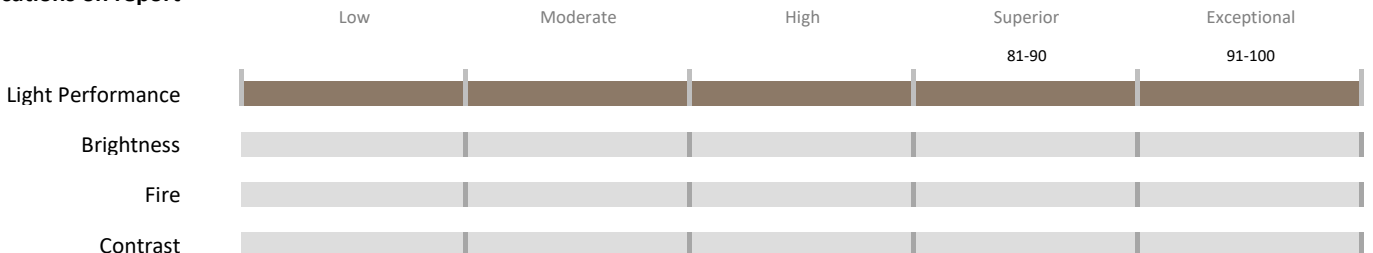
TABLE 63%

[Diamond cut grading methodology and definitions](#)

		Crown Angle (degrees)																																																
		28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0																								
Pavilion Angle (degrees)	39.6																																																	
	39.8																																																	
	40.0	Light Performance																																																
	40.2																																																	
	40.4																																																	
	40.6													94	94	94	94	94																																
	40.8									95	95	95	95	95	94	94	94	94																																
	41.0							95	97	97	97	97	97	97	93	93																																		
	41.2					94	94	96	96	96	95	95	94																																					
	41.4					94	93	92	92	92	94	92																																						
	41.6					94	92	92	94	92	92																																							
	41.8					94	92	92																																										
	42.0																																																	
	42.2																																																	
	42.4																																																	
					↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓																																		
Brightness					100	100	100	100	100	100	100	100	100	100	100	100																																		
Fire					86	86	87	87	87	87	87	88	88	88	88	92	92																																	
					↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓																																		
Pavilion Angle (degrees)	39.6																																																	
	39.8																																																	
	40.0	Contrast																																																
	40.2																																																	
	40.4																																																	
	40.6													97	97	97	97	95																																
	40.8									97	97	97	94	96	96	96	96	93																																
	41.0							97	97	97	94	96	95	94	94																																			
	41.2					97	97	97	96	97	95	94	94																																					
	41.4					97	97	97	94	94	94	93																																						
	41.6					97	95	94	93	93	93																																							
	41.8					93	93	93																																										
	42.0																																																	
	42.2																																																	
	42.4																																																	
	28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0																									
	Crown Angle (degrees)																																																	

©2024 International Gemological Institute

Indications on report





Light Performance Cutting Guidelines

These guidelines are for round brilliant cut (RBC) diamonds in common weights at the indicated table size, with no culet, medium girdle, 50% average star length and 78% average lower girdle facet length. Light Performance and Contrast scores may be reduced when average lower girdle facet length is below 76%.

Find Light Performance score on XY grid. Descend through Y column for Brightness & Fire scores. Find Contrast score on bottom XY grid.

TABLE 64%

[Diamond cut grading methodology and definitions](#)

		Crown Angle (degrees)																								
		28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0
Pavilion Angle (degrees)	39.6																									
	39.8																									
	40.0	Light Performance																								
	40.2																									
	40.4																									
	40.6																									
	40.8									93	93	94	95	94												
	41.0							95	94	94	95	95	94	94												
	41.2				92	93	95	93	93	93	93	94	94													
	41.4				93	92	92	92	92	92																
	41.6				93	92	92	92																		
	41.8				93	92	92																			
	42.0																									
	42.2																									
	42.4																									

↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓

Brightness	100	100	100	100	100	100	100	100	100
-------------------	-----	-----	-----	-----	-----	-----	-----	-----	-----

Fire	85	86	86	87	87	87	87	87	88
-------------	----	----	----	----	----	----	----	----	----

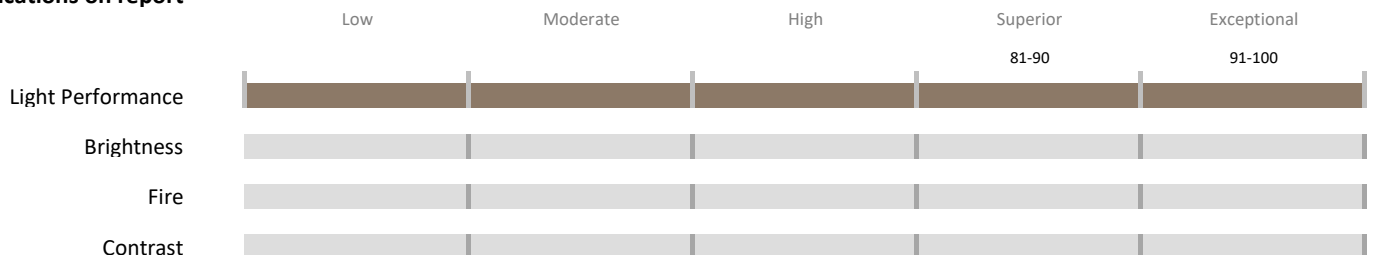
↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓

		Crown Angle (degrees)																								
		28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0
Pavilion Angle (degrees)	39.6																									
	39.8																									
	40.0	Contrast																								
	40.2																									
	40.4																									
	40.6																									
	40.8									97	97	97	97	97												
	41.0							97	97	97	94	94	94	93												
	41.2				97	97	97	96	97	95	94	94														
	41.4				97	96	97	94	94	93																
	41.6				94	94	94	93																		
	41.8				93	93	93																			
	42.0																									
	42.2																									
	42.4																									

Crown Angle (degrees)

©2024 International Gemological Institute

Indications on report





Light Performance Cutting Guidelines

These guidelines are for round brilliant cut (RBC) diamonds in common weights at the indicated table size, with no culet, medium girdle, 50% average star length and 78% average lower girdle facet length. Light Performance and Contrast scores may be reduced when average lower girdle facet length is below 76%.

Find Light Performance score on XY grid. Descend through Y column for Brightness & Fire scores. Find Contrast score on bottom XY grid.

TABLE 65%

[Diamond cut grading methodology and definitions](#)

		Crown Angle (degrees)																								
		28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0
Pavilion Angle (degrees)	39.6																									
	39.8																									
	40.0	Light Performance																								
	40.2																									
	40.4																									
	40.6																									
	40.8																									
	41.0												94	93	93											
	41.2								92	92	92	92	92	92												
	41.4				92	92	91	92	92	92	92															
	41.6				93	94	92	92	92	91																
	41.8				92	92	92	91																		
	42.0																									
	42.2																									
	42.4																									

↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓

Brightness 100 100 100 100 100 100 100 100 100

Fire 85 85 86 86 86 87 87 87 87

↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓

Pavilion Angle (degrees)	39.6																									
	39.8																									
	40.0	Contrast																								
	40.2																									
	40.4																									
	40.6																									
	40.8																									
	41.0												95	95	93											
	41.2								96	95	95	94	94													
	41.4				94	95	95	94	94	94																
	41.6				95	94	94	93	93																	
	41.8				93	93	93	95																		
	42.0																									
	42.2																									
	42.4																									

Crown Angle (degrees)

©2024 International Gemological Institute

Indications on report

