

Gradient International Standards Conformity Report

Lens Code:

Production Line:

Operator:

Base:

Note:

Info:

Date:

Time:



Equipment:

S/N:

Additional required information
 This is not suitable for:
 - direct viewing of the sun
 - for use in twilight or at night
 - protection against sources of radiation other than natural sunlight

American National Standard ANSI Z80.3-2018

Center	Up	Down
Luminous Transmittance (Tv) %		
<input type="text" value="24,59"/>	<input type="text" value="15,71"/>	<input type="text" value="42,81"/>
Primary Function	<input type="text" value="General Purpose lens or shield, medium to dark"/>	
Warnings	<input type="text" value="Not suitable for driving under low light conditions"/>	

International Standard ISO 12312-1:2013/Amd.1:2015

Center	Up	Down
Luminous Transmittance (Tv) %		
<input type="text" value="24,50"/>	<input type="text" value="15,63"/>	<input type="text" value="42,73"/>
Filter Category	<input type="text" value="2"/>	
Descriptive Label	<input type="text" value="General purpose sunglasses"/>	
Warnings	<input type="text" value="Not suitable for driving in twilight or at night"/>	

Australian/New Zealand Standard AS/NZS 1067.1:2016

Center	Up	Down
Luminous Transmittance (Tv) %		
<input type="text" value="24,50"/>	<input type="text" value="15,63"/>	<input type="text" value="42,73"/>
Filter Category	<input type="text" value="2"/>	
Descriptive Label	<input type="text" value="General purpose sunglasses"/>	
Warnings	<input type="text" value="Not suitable for driving at night or under dull light conditions"/>	

VISIBLE SPECTRAL RANGE

Traffic signal transmittance %

Color	Center	Up	Down	Min	Max	Result
Red	34,78	24,59	53,09	Min	> 8,00	<input type="text" value="PASS"/>
Yellow	28,38	18,90	46,71	Min	> 6,00	<input type="text" value="PASS"/>
Green	22,12	13,61	40,32	Min	> 6,00	<input type="text" value="PASS"/>

Spectral transm (475-650) (Tv)

Center	Up	Down	Min	Max	Result
0,71	0,65	0,81	Min	> 0,20	<input type="text" value="PASS"/>

VISIBLE SPECTRAL RANGE

Dection of signal light: **INCANDESCENT LIGHT**

Color	Center	Up	Down	Min	Max	Result
QRed	1,32	1,43	1,19	Min	> 0,80	<input type="text" value="PASS"/>
QYellow	1,13	1,18	1,08	Min	> 0,60	<input type="text" value="PASS"/>
QGreen	0,93	0,90	0,96	Min	> 0,60	<input type="text" value="PASS"/>
QBlue	0,83	0,79	0,89	Min	> 0,60	<input type="text" value="PASS"/>

Spectral transm (475-650) %

Center	Up	Down	Min	Max	Result
17,49	10,21	34,80	Min	> 4,90	<input type="text" value="PASS"/>

VISIBLE SPECTRAL RANGE

Dection of signal light: **INCANDESCENT LIGHT**

Color	Center	Up	Down	Min	Max	Result
QRed	1,32	1,43	1,19	Min	> 0,80	<input type="text" value="PASS"/>
QYellow	1,13	1,18	1,08	Min	> 0,60	<input type="text" value="PASS"/>
QGreen	0,93	0,90	0,96	Min	> 0,60	<input type="text" value="PASS"/>
QBlue	0,83	0,79	0,89	Min	> 0,70	<input type="text" value="PASS"/>

Spectral transm (475-650) %

Center	Up	Down	Min	Max	Result
17,49	10,21	34,80	Min	> 4,90	<input type="text" value="PASS"/>

UV SPECTRAL RANGE

Mean EUV (280-315) %

Center	Up	Down	Max	Limit	Result
0,23	0,27	0,14	Max	< 3,07	<input type="text" value="PASS"/>

Mean NUV (315-380) %

Center	Up	Down	Max	Limit	Result
0,40	0,47	0,29	Max	< 24,59	<input type="text" value="PASS"/>

BlueLight Tsb (380-500) %

Center	Up	Down
13,30	7,65	27,42

UV SPECTRAL RANGE

Tsuva (315-380) %

Center	Up	Down	Max	Limit	Result
0,38	0,44	0,26	Max	< 12,25	<input type="text" value="PASS"/>

Tsuvb (280-315) %

Center	Up	Down	Max	Limit	Result
0,25	0,28	0,16	Max	< 1,23	<input type="text" value="PASS"/>

Tsuv (280-380) %

Center	Up	Down
0,32	0,37	0,22

Tsb (380-500) %

Center	Up	Down
13,30	7,65	27,42

UV SPECTRAL RANGE

Tsuva (315-400) %

Center	Up	Down	Max	Limit	Result
0,43	0,49	0,31	Max	< 12,25	<input type="text" value="PASS"/>

Tsuvb (280-315) %

Center	Up	Down	Max	Limit	Result
0,25	0,28	0,16	Max	< 1,23	<input type="text" value="PASS"/>

Tsuv (280-400) %

Center	Up	Down
0,36	0,41	0,25

Tsb (380-500) %

Center	Up	Down
13,30	7,65	27,42

COLOR LIMITS

Color	X	Y	Result
Green	0,239	0,452	<input type="text" value="PASS"/>
Yellow	0,593	0,406	<input type="text" value="PASS"/>
D65	0,381	0,379	<input type="text" value="PASS"/>

See color Limit of acceptance on a CIE (1931) chromatic diagram

