

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

American National Standard ANSI Z80.3-2018

Center	Up	Down
Luminous Transmittance (Tv) %		
<input type="text" value="36,84"/>	<input type="text" value="25,48"/>	<input type="text" value="56,89"/>

Primary Function:

Warnings:

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

Center	Up	Down
Luminous Transmittance (Tv) %		
<input type="text" value="36,68"/>	<input type="text" value="25,30"/>	<input type="text" value="56,85"/>

Filter Category:

Descriptive Label:

Warnings:

Australian/New Zealand Standard AS/NZS 1067.1:2016

Center	Up	Down
Luminous Transmittance (Tv) %		
<input type="text" value="36,68"/>	<input type="text" value="25,30"/>	<input type="text" value="56,85"/>

Filter Category:

Descriptive Label:

Warnings:

VISIBLE SPECTRAL RANGE

Traffic signal transmittance %

Color	Center	Up	Down	Min	Max	Result
Red	48,22	39,49	59,68	0,00	0,00	<input type="text" value="PASS"/>
Yellow	39,89	29,58	55,83	0,00	0,00	<input type="text" value="PASS"/>
Green	34,26	22,15	57,38	0,00	0,00	<input type="text" value="PASS"/>

Spectral transm (475-650) (Tv)

Center	Up	Down	Min	Max	Result
0,84	0,72	0,93	0,20	0,20	<input type="text" value="PASS"/>

VISIBLE SPECTRAL RANGE

Detection of signal light: **INCANDESCENT LIGHT**

Color	Center	Up	Down	Min	Max	Result
QRed	1,24	1,44	1,01	0,80	0,80	<input type="text" value="PASS"/>
QYellow	1,07	1,14	0,99	0,60	0,60	<input type="text" value="PASS"/>
QGreen	0,93	0,88	1,00	0,60	0,60	<input type="text" value="PASS"/>
QBlue	1,04	1,02	1,09	0,60	0,60	<input type="text" value="PASS"/>

Spectral transm (475-650) %

Center	Up	Down	Min	Max	Result
30,98	18,47	52,79	7,34	7,34	<input type="text" value="PASS"/>

VISIBLE SPECTRAL RANGE

Detection of signal light: **INCANDESCENT LIGHT**

Color	Center	Up	Down	Min	Max	Result
QRed	1,24	1,44	1,01	0,80	0,80	<input type="text" value="PASS"/>
QYellow	1,07	1,14	0,99	0,60	0,60	<input type="text" value="PASS"/>
QGreen	0,93	0,88	1,00	0,60	0,60	<input type="text" value="PASS"/>
QBlue	1,04	1,02	1,09	0,70	0,70	<input type="text" value="PASS"/>

Spectral transm (475-650) %

Center	Up	Down	Min	Max	Result
30,98	18,47	52,79	7,34	7,34	<input type="text" value="PASS"/>

UV SPECTRAL RANGE

Mean EUV (280-315) %

Center	Up	Down	Max	Min	Result
0,21	0,21	0,17	1,00	1,00	<input type="text" value="PASS"/>

Mean NUV (315-380) %

Center	Up	Down	Max	Min	Result
0,20	0,23	0,11	18,42	18,42	<input type="text" value="PASS"/>

BlueLight Tsb (380-500) %

Center	Up	Down
46,36	36,13	64,35

UV SPECTRAL RANGE

Tsuva (315-380) %

Center	Up	Down	Max	Min	Result
0,22	0,24	0,13	18,34	18,34	<input type="text" value="PASS"/>

Tsubv (280-315) %

Center	Up	Down	Max	Min	Result
0,20	0,23	0,17	1,83	1,83	<input type="text" value="PASS"/>

Tsuv (280-380) %

Center	Up	Down
0,21	0,23	0,14

Tsb (380-500) %

Center	Up	Down
46,36	36,13	64,35

UV SPECTRAL RANGE

Tsuva (315-400) %

Center	Up	Down	Max	Min	Result
0,20	0,22	0,12	18,34	18,34	<input type="text" value="PASS"/>

Tsubv (280-315) %

Center	Up	Down	Max	Min	Result
0,20	0,23	0,17	1,83	1,83	<input type="text" value="PASS"/>

Tsuv (280-400) %

Center	Up	Down
0,20	0,22	0,14

Tsb (380-500) %

Center	Up	Down
46,36	36,13	64,35

COLOR LIMITS

	X	Y	Result
Green	0,208	0,346	<input type="text" value="FAIL"/>
Yellow	0,593	0,406	<input type="text" value="PASS"/>
D65	0,314	0,288	<input type="text" value="PASS"/>

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

Color Limit Region of Acceptance

Spectral Transmittance

