

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="60,06"/>	<input type="text" value="40,76"/>	<input type="text" value="82,97"/>

Primary Function:

Warnings:

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

Center	Up	Down
Luminous Transmittance (Tv) %		
<input type="text" value="60,29"/>	<input type="text" value="41,08"/>	<input type="text" value="83,03"/>

Filter Category:

Descriptive Label:

Warnings:

Australian/New Zealand Standard AS/NZS 1067.1:2016

Center	Up	Down
Luminous Transmittance (Tv) %		
<input type="text" value="60,29"/>	<input type="text" value="41,08"/>	<input type="text" value="83,03"/>

Filter Category:

Descriptive Label:

Warnings:

VISIBLE SPECTRAL RANGE

Traffic signal transmittance %

Color	Center	Up	Down	Min	Max	Result
Red	51,57	30,62	80,29	Min	8,00	PASS
Yellow	53,80	32,56	81,20	Min	6,00	PASS
Green	65,10	47,40	84,41	Min	6,00	PASS

Spectral transm (475-650) (Tv)

Center	Up	Down	Min	Max	Result
0,75	0,56	0,94	Min	0,20	PASS

VISIBLE SPECTRAL RANGE

Detection of signal light: **INCANDESCENT LIGHT**

Color	Center	Up	Down	Min	Max	Result
QRed	0,84	0,71	0,97	Min	0,80	FAIL
QYellow	0,92	0,84	0,98	Min	0,60	PASS
QGreen	1,07	1,12	1,01	Min	0,60	PASS
QBlue	1,10	1,21	1,02	Min	0,60	PASS

Spectral transm (475-650) %

Center	Up	Down	Min	Max	Result
44,91	22,85	77,90	Min	12,06	PASS

VISIBLE SPECTRAL RANGE

Detection of signal light: **INCANDESCENT LIGHT**

Color	Center	Up	Down	Min	Max	Result
QRed	0,84	0,71	0,97	Min	0,80	FAIL
QYellow	0,92	0,84	0,98	Min	0,60	PASS
QGreen	1,07	1,12	1,01	Min	0,60	PASS
QBlue	1,10	1,21	1,02	Min	0,70	PASS

Spectral transm (475-650) %

Center	Up	Down	Min	Max	Result
44,91	22,85	77,90	Min	12,06	PASS

UV SPECTRAL RANGE

Mean EUV (280-315) %

Center	Up	Down	Max	Result
0,01	0,01	0,00	7,51	PASS

Mean NUV (315-380) %

Center	Up	Down	Max	Result
0,00	0,02	0,00	60,06	PASS

BlueLight Tsb (380-500) %

Center	Up	Down
48,57	28,11	75,10

UV SPECTRAL RANGE

Tsuva (315-380) %

Center	Up	Down	Max	Result
0,01	0,02	0,00	60,29	PASS

Tsubv (280-315) %

Center	Up	Down	Max	Result
0,01	0,01	0,00	3,01	PASS

Tsuv (280-380) %

Center	Up	Down
0,01	0,02	0,00

Tsb (380-500) %

Center	Up	Down
48,57	28,10	75,10

UV SPECTRAL RANGE

Tsuva (315-400) %

Center	Up	Down	Max	Result
0,06	0,05	0,09	60,29	PASS

Tsubv (280-315) %

Center	Up	Down	Max	Result
0,01	0,01	0,00	3,01	PASS

Tsuv (280-400) %

Center	Up	Down
0,04	0,04	0,06

Tsb (380-500) %

Center	Up	Down
48,57	28,10	75,10

COLOR LIMITS

	X	Y	Result
Green	0,198	0,437	PASS
Yellow	0,567	0,432	PASS
D65	0,300	0,363	PASS

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

