

Gradient International Standards Conformity Report

Lens Code:

Production Line:

Operator:

Base:

Note:

Info:

Date:

Time:

Equipment:

S/N:



SOCIETA' EUROPEA LENTI

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) % | | |
| 24,55 | 14,24 | 50,84 |

Primary Function:

Warnings:

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

| Center | Up | Down |
|-------------------------------|-------|-------|
| Luminous Transmittance (Tv) % | | |
| 24,56 | 14,23 | 50,85 |

Filter Category:

Descriptive Label:

Warnings:

Australian/New Zealand Standard AS/NZS 1067.1:2016

| Center | Up | Down |
|-------------------------------|-------|-------|
| Luminous Transmittance (Tv) % | | |
| 24,56 | 14,23 | 50,85 |

Filter Category:

Descriptive Label:

Warnings:

VISIBLE SPECTRAL RANGE

Traffic signal transmittance %

| Color | Center | Up | Down | Min | Max | Result |
|--------|--------|-------|-------|------|------|--------|
| Red | 26,91 | 17,22 | 51,94 | 8,00 | 8,00 | PASS |
| Yellow | 22,19 | 12,38 | 48,70 | 6,00 | 6,00 | PASS |
| Green | 26,12 | 15,46 | 52,29 | 6,00 | 6,00 | PASS |

Spectral transm (475-650) (Tv)

| Center | Up | Down | Min | Max | Result |
|--------|------|------|------|------|--------|
| 0,72 | 0,63 | 0,87 | 0,20 | 0,20 | PASS |

VISIBLE SPECTRAL RANGE

Detection of signal light: **INCANDESCENT LIGHT**

| Color | Center | Up | Down | Min | Max | Result |
|---------|--------|------|------|------|------|--------|
| QRed | 0,97 | 1,00 | 0,98 | 0,80 | 0,80 | PASS |
| QYellow | 0,92 | 0,90 | 0,97 | 0,60 | 0,60 | PASS |
| QGreen | 1,03 | 1,04 | 1,01 | 0,60 | 0,60 | PASS |
| QBlue | 1,29 | 1,44 | 1,11 | 0,60 | 0,60 | PASS |

Spectral transm (475-650) %

| Center | Up | Down | Min | Max | Result |
|--------|------|-------|------|------|--------|
| 17,75 | 8,91 | 44,25 | 4,91 | 4,91 | PASS |

VISIBLE SPECTRAL RANGE

Detection of signal light: **INCANDESCENT LIGHT**

| Color | Center | Up | Down | Min | Max | Result |
|---------|--------|------|------|------|------|--------|
| QRed | 0,97 | 1,00 | 0,98 | 0,80 | 0,80 | PASS |
| QYellow | 0,92 | 0,90 | 0,97 | 0,60 | 0,60 | PASS |
| QGreen | 1,03 | 1,04 | 1,01 | 0,60 | 0,60 | PASS |
| QBlue | 1,29 | 1,44 | 1,11 | 0,70 | 0,70 | PASS |

Spectral transm (475-650) %

| Center | Up | Down | Min | Max | Result |
|--------|------|-------|------|------|--------|
| 17,75 | 8,91 | 44,25 | 4,91 | 4,91 | PASS |

UV SPECTRAL RANGE

Mean EUV (280-315) %

| Center | Up | Down | Max | Result |
|--------|------|------|------|--------|
| 0,07 | 0,04 | 0,00 | 3,07 | PASS |

Mean NUV (315-380) %

| Center | Up | Down | Max | Result |
|--------|------|------|-------|--------|
| 0,09 | 0,07 | 0,00 | 24,55 | PASS |

BlueLight Tsb (380-500) %

| Center | Up | Down |
|--------|-------|-------|
| 32,48 | 21,81 | 54,99 |

UV SPECTRAL RANGE

Tsuva (315-380) %

| Center | Up | Down | Max | Result |
|--------|------|------|-------|--------|
| 0,09 | 0,07 | 0,00 | 12,28 | PASS |

Tsubv (280-315) %

| Center | Up | Down | Max | Result |
|--------|------|------|------|--------|
| 0,07 | 0,05 | 0,00 | 1,23 | PASS |

Tsuv (280-380) %

| Center | Up | Down |
|--------|------|------|
| 0,08 | 0,06 | 0,00 |

Tsb (380-500) %

| Center | Up | Down |
|--------|-------|-------|
| 32,48 | 21,81 | 54,98 |

UV SPECTRAL RANGE

Tsuva (315-400) %

| Center | Up | Down | Max | Result |
|--------|------|------|-------|--------|
| 0,13 | 0,10 | 0,08 | 12,28 | PASS |

Tsubv (280-315) %

| Center | Up | Down | Max | Result |
|--------|------|------|------|--------|
| 0,07 | 0,05 | 0,00 | 1,23 | PASS |

Tsuv (280-400) %

| Center | Up | Down |
|--------|------|------|
| 0,11 | 0,08 | 0,05 |

Tsb (380-500) %

| Center | Up | Down |
|--------|-------|-------|
| 32,48 | 21,81 | 54,98 |

COLOR LIMITS

| | X | Y | Result |
|--------|-------|-------|--------|
| Green | 0,184 | 0,361 | PASS |
| Yellow | 0,583 | 0,415 | PASS |
| D65 | 0,276 | 0,294 | PASS |

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

COLOR LIMITS

| | X | Y | Result |
|--------|-------|-------|--------|
| Green | 0,184 | 0,361 | PASS |
| Yellow | 0,583 | 0,415 | PASS |
| D65 | 0,276 | 0,294 | PASS |

COLOR LIMITS

| | X | Y | Result |
|--------|-------|-------|--------|
| Green | 0,184 | 0,361 | PASS |
| Yellow | 0,583 | 0,415 | PASS |
| D65 | 0,276 | 0,294 | PASS |

