

## 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) % | 61,46   | 54,57 | 75,95 |
| Primary Function              | Cosmetic lens or shield, light                      |       |       |
| Warnings                      | Not suitable for driving under low light conditions |       |       |

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

|                               | Center   | Up    | Down  |
|-------------------------------|--|-------|-------|
| Luminous Transmittance (Tv) % | 61,29  | 54,37 | 75,85 |
| Filter Category               | 1  |       |       |
| Descriptive Label             | Light tint sunglasses                            |       |       |
| Warnings                      | Not suitable for driving in twilight or at night |       |       |

### Australian/New Zealand Standard AS/NZS 1067.1:2016

|                               | Center   | Up    | Down  |
|-------------------------------|--|-------|-------|
| Luminous Transmittance (Tv) % | 61,29  | 54,37 | 75,85 |
| Filter Category               | 1  |       |       |
| Descriptive Label             | Fashion spectacles   |       |       |
| Warnings                      | Not suitable for driving at night or under dull light conditions |       |       |

#### VISIBLE SPECTRAL RANGE

Traffic signal transmittance %

|        | Center | Up    | Down  |      |      |      |
|--------|--------|-------|-------|------|------|------|
| Red    | 75,70  | 71,44 | 83,67 | Min> | 8,00 | PASS |
| Yellow | 67,50  | 61,58 | 79,39 | Min> | 6,00 | PASS |
| Green  | 57,07  | 49,46 | 73,48 | Min> | 6,00 | PASS |

Spectral transm (475-650) (Tv)

|  | Center | Up   | Down |      |      |      |
|--|--------|------|------|------|------|------|
|  | 0,86   | 0,82 | 0,93 | Min> | 0,20 | PASS |

#### VISIBLE SPECTRAL RANGE

Detection of signal light: **INCANDESCENT LIGHT**

|         | Center | Up   | Down |      |      |      |
|---------|--------|------|------|------|------|------|
| QRed    | 1,21   | 1,28 | 1,09 | Min> | 0,80 | PASS |
| QYellow | 1,08   | 1,11 | 1,04 | Min> | 0,60 | PASS |
| QGreen  | 0,94   | 0,92 | 0,97 | Min> | 0,60 | PASS |
| QBlue   | 0,92   | 0,90 | 0,96 | Min> | 0,60 | PASS |

Spectral transm (475-650) %

|  | Center | Up    | Down  |      |       |      |
|--|--------|-------|-------|------|-------|------|
|  | 52,63  | 44,50 | 70,68 | Min> | 12,26 | PASS |

#### VISIBLE SPECTRAL RANGE

Detection of signal light: **INCANDESCENT LIGHT**

|         | Center | Up   | Down |      |      |      |
|---------|--------|------|------|------|------|------|
| QRed    | 1,21   | 1,28 | 1,09 | Min> | 0,80 | PASS |
| QYellow | 1,08   | 1,11 | 1,04 | Min> | 0,60 | PASS |
| QGreen  | 0,94   | 0,92 | 0,97 | Min> | 0,60 | PASS |
| QBlue   | 0,92   | 0,90 | 0,96 | Min> | 0,70 | PASS |

Spectral transm (475-650) %

|  | Center | Up    | Down  |      |       |      |
|--|--------|-------|-------|------|-------|------|
|  | 52,63  | 44,50 | 70,68 | Min> | 12,26 | PASS |

#### UV SPECTRAL RANGE

Mean EUV (280-315) %

|  | Center | Up   | Down |      |      |      |
|--|--------|------|------|------|------|------|
|  | 0,01   | 0,00 | 0,00 | Max< | 7,68 | PASS |

Mean NUV (315-380) %

|  | Center | Up   | Down |      |       |      |
|--|--------|------|------|------|-------|------|
|  | 0,00   | 0,00 | 0,00 | Max< | 61,46 | PASS |

BlueLight Tsb (380-500) %

|  | Center | Up    | Down  |
|--|--------|-------|-------|
|  | 51,42  | 44,62 | 66,71 |

#### UV SPECTRAL RANGE

Tsuva (315-380) %

|  | Center | Up   | Down |      |       |      |
|--|--------|------|------|------|-------|------|
|  | 0,00   | 0,00 | 0,00 | Max< | 61,29 | PASS |

Tsubv (280-315) %

|  | Center | Up   | Down |      |      |      |
|--|--------|------|------|------|------|------|
|  | 0,01   | 0,00 | 0,00 | Max< | 3,06 | PASS |

Tsuv (280-380) %

|  | Center | Up   | Down |
|--|--------|------|------|
|  | 0,01   | 0,00 | 0,00 |

Tsb (380-500) %

|  | Center | Up    | Down  |
|--|--------|-------|-------|
|  | 51,42  | 44,62 | 66,71 |

#### UV SPECTRAL RANGE

Tsuva (315-400) %

|  | Center | Up   | Down |      |       |      |
|--|--------|------|------|------|-------|------|
|  | 0,01   | 0,01 | 0,01 | Max< | 61,29 | PASS |

Tsubv (280-315) %

|  | Center | Up   | Down |      |      |      |
|--|--------|------|------|------|------|------|
|  | 0,01   | 0,00 | 0,00 | Max< | 3,06 | PASS |

Tsuv (280-400) %

|  | Center | Up   | Down |
|--|--------|------|------|
|  | 0,01   | 0,01 | 0,01 |

Tsb (380-500) %

|  | Center | Up    | Down  |
|--|--------|-------|-------|
|  | 51,42  | 44,62 | 66,71 |

#### COLOR LIMITS

|        | X     | Y     |      |
|--------|-------|-------|------|
| Green  | 0,221 | 0,404 | PASS |
| Yellow | 0,588 | 0,410 | PASS |
| D65    | 0,343 | 0,338 | PASS |

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

#### COLOR LIMITS

|        | X     | Y     |      |
|--------|-------|-------|------|
| Green  | 0,221 | 0,404 | PASS |
| Yellow | 0,588 | 0,410 | PASS |
| D65    | 0,343 | 0,338 | PASS |

#### COLOR LIMITS

|        | X     | Y     |      |
|--------|-------|-------|------|
| Green  | 0,221 | 0,404 | PASS |
| Yellow | 0,588 | 0,410 | PASS |
| D65    | 0,343 | 0,338 | PASS |

