

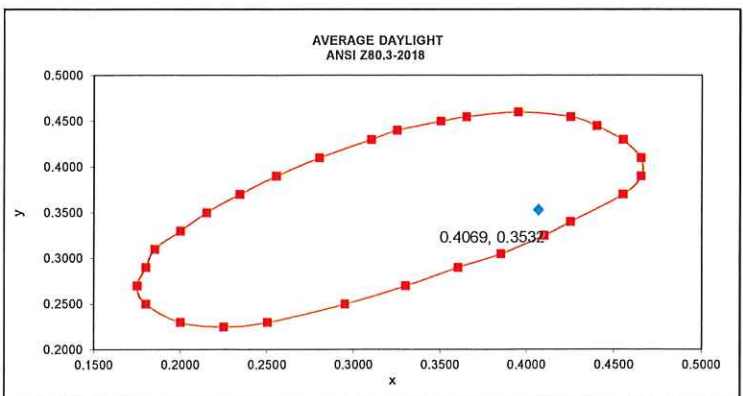
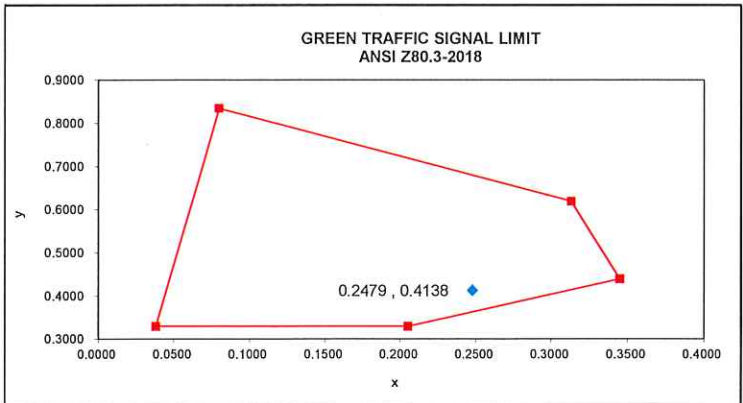
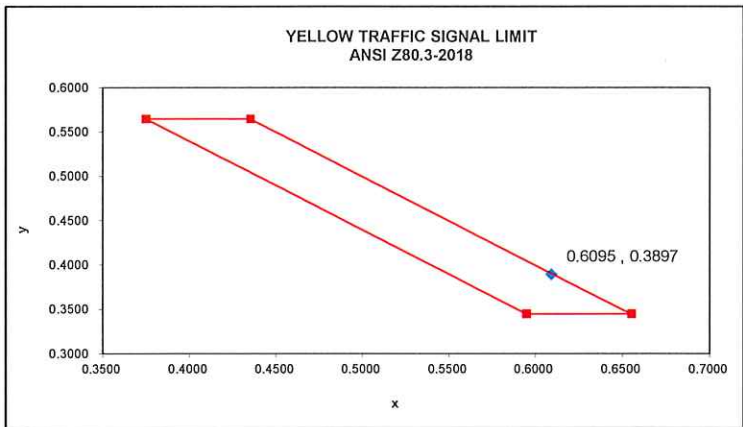
Color Data

| ANSI Z80.3-2018 | | | | |
|--------------------------------------|------------------------|--------------------------|-----------------|----------------|
| TEST | REQUIREMENT | VALUE | RESULT | |
| Luminous Transmittance | 8 - 40% | 17.8 | PASS | |
| Primary Function | Range of Lum Transm | | | |
| Cosmetic lens | > 40% | | | |
| General purpose | 8 - 40% | | GENERAL PURPOSE | |
| Special purpose | 3 - 8% | | | |
| Traffic Signal Color Limits | | x | y | |
| Yellow | see 'YelTraffic' chart | 0.6095 | 0.3897 | |
| Green | see 'GrTraffic' chart | 0.2479 | 0.4138 | |
| Average Daylight | see 'AvgDLight' chart | 0.4069 | 0.3532 | |
| Traffic Signal Transmittance | | τ (sig) | | |
| Red | ≥ 8% | 30.9 | PASS | |
| Yellow | ≥ 6% | 23.0 | PASS | |
| Green | ≥ 6% | 14.1 | PASS | |
| Mean Transmittance | NORMAL USE (max) | PROLONGED EXPOSURE (max) | VALUE | RESULT |
| UVB (280-315nm) | 2.23% | 1.00% | -0.001% | PASS PROLONGED |
| UVA (315-380nm) | 17.85% | 8.92% | 0.002% | PASS PROLONGED |
| Spectral Transmittance (475nm-650nm) | ≥ 0.2 T _v | 11.17 | PASS | |
| Polarizer Type | | | | |
| Type 1 | R _{IV} > 20 | 103 | Type 1 | |
| Type 2 | R _{IV} > 8 | | | |

| COLOR | | |
|-------------|-------|-----------|
| Color Code: | | DR |
| TEST | VALUE | Tolerance |
| %T | 17.8 | |
| L* | 48.7 | |
| a* | 17.6 | |
| b* | 16.3 | |

| POLARIZATION EFFICIENCY | |
|-------------------------|-------|
| PE (%) : | 98.7% |

| ISO 12312-1:2013(A1.2015) | | | | |
|-------------------------------------|---------------------------------------|----------------------|------------|--------|
| TEST | REQUIREMENT | VALUE | RESULT | |
| Luminous Transmittance | 8 - 40% | 17.7 | PASS | |
| Filter Category | Range of Lum Transm | | | |
| | 0 | 80 - 100% | | |
| | 1 | 43 - 80% | | |
| | 2 | 18 - 43% | | |
| | 3 | 8 - 18% | CATEGORY 3 | |
| | 4 | 3 - 8% | | |
| Recognition of Signal Lights | Q (τ _{sig} /τ _v) | | | |
| Red | ≥ .80 | 1.66 | PASS | |
| Yellow | ≥ .60 | 1.24 | PASS | |
| Green | ≥ .60 | 0.85 | PASS | |
| Blue | ≥ .60 | 0.79 | PASS | |
| Solar UV Transmittance | Category 0, 1, 2 (max) | Category 3, 4 (max) | VALUE | RESULT |
| Spectral Transmittance(475nm-650nm) | | ≥ 0.2 T _v | 11.17 | PASS |
| τ SUVA (315-380nm) | 17.68% | 1.00% | 0.00% | PASS |
| τ SUVB (280-315nm) | 8.84% | 1.00% | -0.01% | PASS |
| Solar Blue Light Transmittance | 10.54 | | | |



| AS/NZS 1067.1:2016 | | | | |
|--|---------------------------------------|-----------------------|------------|--------|
| TEST | REQUIREMENT | VALUE | RESULT | |
| Luminous Transmittance | 8 - 40% | 17.7 | PASS | |
| Filter Category | Range of Lum Transm | | | |
| | 0 | 80 - 100% | | |
| | 1 | 43 - 80% | | |
| | 2 | 18 - 43% | | |
| | 3 | 8 - 18% | CATEGORY 3 | |
| | 4 | 3 - 8% | | |
| Signal Lights Recog | Q (τ _{sig} /τ _v) | | | |
| Red | ≥ .80 | 1.66 | PASS | |
| Yellow | ≥ .60 | 1.24 | PASS | |
| Green | ≥ .60 | 0.85 | PASS | |
| Blue | ≥ .70 | 0.79 | PASS | |
| Solar UV Transmittance | Category 0, 1 (max) | Category 2, 3, 4(max) | VALUE | RESULT |
| τ SUVA (315-400nm) | 17.68% | 8.84% | 0.00% | PASS |
| τ SUVB (280-315nm) | 0.88% | 0.88% | 0.00% | PASS |
| Minimum Spectral Tv (475nm-650nm) | ≥ 0.2 T _v | 11.17 | PASS | |
| Solar Blue Light Transmittance (380nm-500nm) | 10.54 | | | |

