Date: 2024/12/29

Inspected By: L

Reviewed By:

Approved By:

Applicant: Yana Optic

Device Model: TM-3

Sample Description: Y580

European Standard [EN/ISO 12312-1-2015]

Item	Value	Requment	Results
Transmittance(Tv)	12.80%		
Filter Category	3		
Tsuvb (280nm~315nm)	0.00%	<=1%	PASS
Tsuva (315nm~380nm)	0.00%	<6.40%(0.5Tv)	PASS
Tmin (475nm~650nm)	0.00%	>=2.56%(0.2Tv)	REF.
Claimed Value			
Tsuvb (280nm~315nm)	0.00%	<=(2.00+0.5)%	PASS
Tsuva (315nm~380nm)	0.00%	<=(2.00+0.5)%	PASS
Tsuv (280nm~380nm)	0.00%	<=(2.00+0.5)%	PASS
Tsb (380nm~500nm)	0.00%	<=(90.00+0.5)%	PASS
Recognition of signal lights			
Red[Q] (INCT)	5.38	⩾0.8	
Yellow[Q] (INCT)	2.13	⩾0.6	
Green[Q] (INCT)	0.11	⩾0.6	
Blue[Q] (INCT)	0.37	⩾0.6	

AS/NZS Standard [AS/NZS 1067-2016]

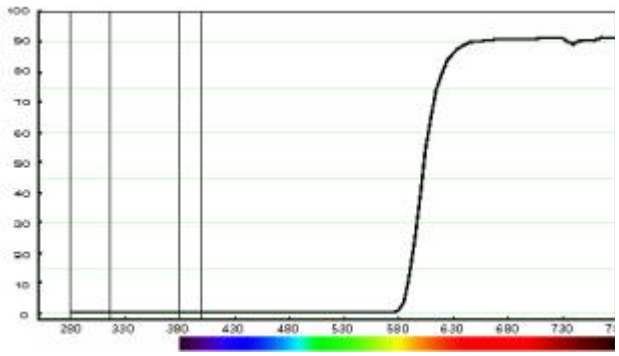
Item	Value	Requment	Results
Transmittance(Tv)	12.80%		
Filter Category	3		
Tsuvb (280nm~315nm	0.00%	<=1%	PASS
Tsuva (315nm~380nm	0.00%	<6.40%(0.5Tv)	PASS
Tmin (475nm~650nm	0.00%	>=2.56%(0.2Tv)	REF.
Claimed Value			
Tsuvb (280nm~315nm	0.00%	<=(2.00+0.5)%	PASS
Tsuva (315nm~380nm	0.00%	<=(2.00+0.5)%	PASS
Tsuv (280nm~380nm	0.00%	<=(2.00+0.5)%	PASS
Tsb (380nm~500nm	0.00%	<=(90.00+0.5)%	PASS
Recognition of signal lights			
Red[Q] (INCT)	5.38	⩾0.8	
Yellow[Q] (INCT)	2.13	⩾0.6	
Green[Q] (INCT)	0.11	⩾0.6	
Blue[Q] (INCT)	0.37	⩾0.7	

American National Standard [ANSI Z80.3-2015]

High and prolonged exposure NO

Item	Value	Requment	Results
Transmittance(Tc)	13.03%		
Filter Category	(General Purpose, medium to dark)		
Tsig Vaules			
Red	86.25%	⩾8%	PASS
Yellow	29.07%	⩾6%	PASS
Green	1.82%	⩾6%	REF.
Mean Transmitance			
Tsb	0.00%		
UVB (280nm~315nm)	0.00%	<=1.63%(0.125Tv)	PASS
UVA (315nm~380nm)	0.00%	<=13.03%(Tv)	PASS
Tmin (475nm~650nm)	0.00%	>=2.61%(0.2Tv)	REF.
Color CIE			
Day light (D65)	X:0.683 Y:0.317		REF.
YELLOW	X:0.688 Y:0.312		REF.
GREEN	X:0.653 Y:0.347		REF.

lens: 1



CIE 1976 L*,a*,b* co **L*= 42.49** **a*=** 79.04 **b*= 73.15**

Δp%= 100.00% **P%= 100.00%** **Photochromic= 0.00** **UV400= 0.00**

Spectrum Data:

780	91.34	775	91.30	770	91.26	765	91.23	760	90.68	755	90.42	750	90.34	745	90.16
740	89.19	735	89.95	730	91.17	725	91.21	720	91.22	715	91.12	710	91.16	705	91.05
700	91.07	695	91.05	690	90.94	685	90.89	680	90.89	675	90.89	670	90.87	665	90.64
660	90.64	655	90.29	650	90.07	645	89.66	640	89.02	635	87.83	630	86.19	625	83.66
620	79.70	615	73.98	610	65.54	605	53.93	600	39.81	595	23.87	590	10.86	585	3.19
580	0.58	575	0.08	570	0.02	565	0.02	560	0.02	555	0.01	550	0.01	545	0.01
540	0.00	535	0.00	530	0.00	525	0.00	520	0.00	515	0.00	510	0.00	505	0.00
500	0.00	495	0.00	490	0.00	485	0.00	480	0.00	475	0.00	470	0.00	465	0.00
460	0.00	455	0.00	450	0.00	445	0.00	440	0.00	435	0.00	430	0.00	425	0.00
420	0.00	415	0.00	410	0.00	405	0.00	400	0.00	395	0.00	390	0.00	385	0.00
380	0.00	375	0.00	370	0.00	365	0.00	360	0.00	355	0.00	350	0.00	345	0.00
340	0.00	335	0.00	330	0.00	325	0.00	320	0.00	315	0.00	310	0.00	305	0.00
300	0.00	295	0.00	290	0.00	285	0.00	280	0.00						

CIE 1931 XYZ

