

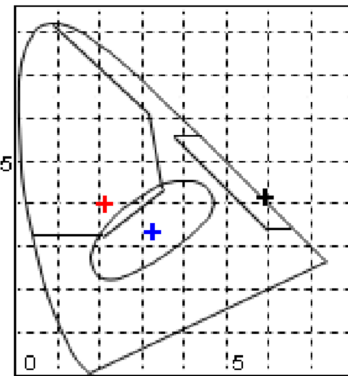
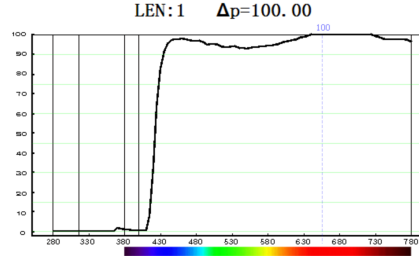
Lens Test Report

Measured by AHD TMS



Standard: BS EN ISO 12312-1:2013+A1:2015

Item	Value	Requirement	Result
Luminous Transmittance(Tv)	94.72%		
Filter Category	0		
Tsuvb (280nm-315nm)	0.07%	<4.74%(0.05Tv)	PASS
Tsuva (315nm-380nm)	0.23%	<94.72%Tv	PASS
Tmin (475nm-650nm)	93.06%	>=18.94%(0.2Tv)	PASS
***** Claimed Value *****			
Tsuvb (280nm-315nm)	0.07%	<=(10.00+0.5)%	PASS
Tsuva (315nm-380nm)	0.23%	<=(10.00+0.5)%	PASS
Tsuv (280nm-380nm)	0.18%	<=(10.00+0.5)%	PASS
Tsb (380nm-500nm)	82.69%	<=(95.00+0.5)%	PASS
***** Recognition of signal lights *****			
Red [Q] (INCT)	1.03	>=0.8	PASS
Yellow [Q] (INCT)	1.01	>=0.6	PASS
Green [Q] (INCT)	0.99	>=0.6	PASS
Blue [Q] (INCT)	1.00	>=0.6	PASS



Standard: ANSI Z80.3-2015

Item	Value	Requirement	Result
High and prolonged exposure	no		
Luminous Transmittance(Tc)	94.75%		
Filter Category	(Cosmetic lens or shield, light)		
***** Tsig Vaules *****			
RED	99.16%	>=8%	PASS
YELLOW	95.50%	>=6%	PASS
GREEN	94.17%	>=6%	PASS
***** Mean transmittance *****			
Tsb (380nm-500nm)	82.69%		
UVB (280nm-315nm)	0.08%	<=11.84%(0.125Tv)	PASS
UVA (315nm-380nm)	0.34%	<=94.75%(Tv)	PASS
Tmin (475nm-650nm)	93.06%	>=18.95%(0.2Tv)	PASS
***** Color *****			
DAY LIGHT	X:0.318 Y:0.336		PASS
YELLOW	X:0.579 Y:0.420		PASS
GREEN	X:0.208 Y:0.401		PASS

WL	T	WL	T	WL	T	WL	T
280	0.08	410	0.65	540	93.47	670	100.00
285	0.08	415	7.59	545	93.13	675	100.00
290	0.08	420	32.88	550	93.06	680	100.00
295	0.08	425	63.06	555	93.33	685	100.00
300	0.09	430	82.93	560	93.62	690	100.00
305	0.08	435	91.80	565	93.76	695	100.00
310	0.06	440	95.44	570	94.00	700	100.00
315	0.06	445	97.15	575	94.22	705	100.00
320	0.06	450	97.89	580	94.39	710	100.00
325	0.07	455	97.86	585	94.58	715	100.00
330	0.07	460	98.06	590	94.87	720	100.00
335	0.07	465	97.84	595	95.28	725	99.92
340	0.08	470	97.24	600	95.94	730	99.43
345	0.08	475	96.74	605	96.33	735	98.83
350	0.09	480	96.96	610	96.89	740	98.24
355	0.08	485	96.84	615	97.40	745	97.83
360	0.10	490	95.94	620	97.81	750	97.58
365	0.16	495	95.08	625	98.35	755	97.75
370	1.52	500	95.16	630	98.80	760	97.88
375	1.25	505	95.27	635	99.38	765	97.89
380	1.03	510	94.89	640	100.00	770	97.77
385	0.83	515	94.07	645	100.00	775	97.38
390	0.67	520	93.59	650	100.00	780	96.47
395	0.57	525	93.71	655	100.00		
400	0.49	530	94.04	660	100.00		
405	0.44	535	93.95	665	100.00		

Standard: AS/NZS 1067.1:2016

Item	Value	Requirement	Result
Luminous Transmittance(Tv)	94.72%		
Filter Category	0		
Tsuvb (280nm-315nm)	0.07%	<4.74%(0.05Tv)	PASS
Tsuva (315nm-400nm)	0.28%	<94.72%Tv	PASS
Tmin (475nm-650nm)	93.06%	>=18.94%(0.2Tv)	PASS
***** Claimed Value *****			
Tsuvb (280nm-315nm)	0.07%	<=(10.00+0.5)%	PASS
Tsuva (315nm-400nm)	0.28%	<=(10.00+0.5)%	PASS
Tsuv (280nm-400nm)	0.21%	<=(10.00+0.5)%	PASS
Tsb (380nm-500nm)	82.69%	<=(95.00+0.5)%	PASS
***** Recognition of signal lights *****			
Red [Q] (INCT)	1.03	>=0.8	PASS
Yellow [Q] (INCT)	1.01	>=0.6	PASS
Green [Q] (INCT)	0.99	>=0.6	PASS
Blue [Q] (INCT)	1.00	>=0.7	PASS

UV400 0.21%
 *** CIE 1976 L*,a*,b* color space coordinates, illuminan D65 ***
 L* = 97.92 a* = -0.53 b* = 3.40