[redacted]

Lens Test Report

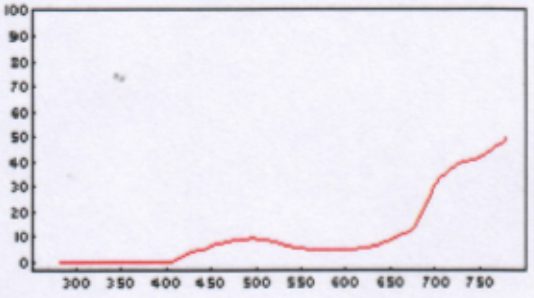
measured by sigm tm-3
www.topcon.com.cn

Sample : LS06
Inspector :
Company :
Telephone: **Fax:** **Email:**
Address :

Standard: BS EN ISO 12312-1:2013 (280nm-780nm)

Item	Value	Requirement	Result
Luminous Transmittance(Tv)	6.24%		
Filter Category	4		
Max Tsuvb (280nm-315nm)	0.00%	<%(1.0)	PASS
Max Tsuva (315nm-380nm)	0.00%	1.56%(1.0 or 0.25Tv)	PASS
Tmin (475nm-650nm)	4.70%	>=1.25%(0.2Tv)	PASS
Tsuva (315nm-380nm)	0.00%	<(10+0.5)%	PASS
Tsuvb (280nm-315nm)	0.00%	<(10+0.5)%	PASS
Tsuv (280nm-380nm)	0.00%		
Tsb (380nm-500nm)	6.17%	<(95+0.5)%	PASS
Red [Q] (LED / INCT)	1.07 / 1.09	>=0.8	PASS / PASS
Green [Q] (LED / INCT)	1.34 / 1.03	>=0.6	PASS / PASS
Yellow [Q] (LED / INCT)	0.77 / 0.92	>=0.6	PASS / PASS
Blue [Q] (LED / INCT)	1.30 / 1.33	>=0.6	PASS / PASS

Transmittance Spectrum

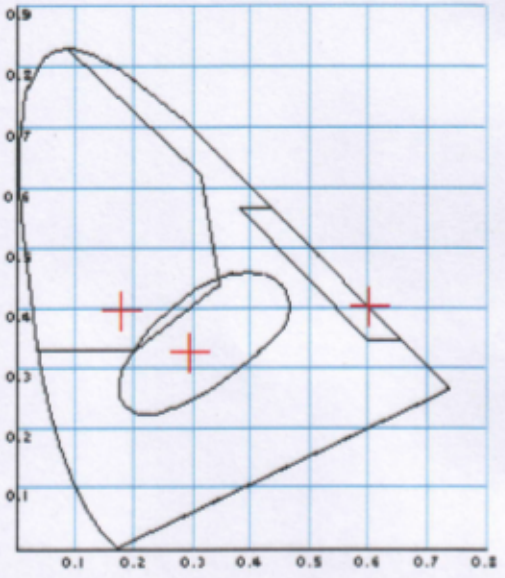


Standard: ANSI Z80.3-2010(290nm-780nm)

Normal Use

Item	Value	Requirement	Result
Luminous Transmittance(Tv)	6.23%		
Filter Category	(Special Purpose lens or shield,very dark)		
RED	6.61%	>=8%	REF.
YELLOW	5.66%	>=6%	REF.
GREEN	6.70%	>=6%	PASS
UVB (290nm-315nm)	0.00%	<=0.78%(0.125Tv)	PASS
UVA (315nm-380nm)	0.00%	<=6.23%(Tv)	PASS
Tmin (475nm-650nm)	4.70%	>=1.25%(0.2Tv)	PASS
YELLOW	X:0.597 Y:0.401		PASS
GREEN	X:0.179 Y:0.396		PASS
DAY LIGHT	X:0.292 Y:0.327		PASS

Color Limit Regions of Acceptance



Standard: AS/NZS 1067,2009(280nm-780nm)

Item	Value	Requirement	Result
Luminous Transmittance(Tv)	6.24%		
Filter Category	4		
Tmax UVB (280nm-315nm)	0.00%	<0.31%(0.05Tv)	PASS
Tmax UVA (315nm-350nm)	0.00%	<3.12%(0.5Tv)	PASS
Tmin (450nm-650nm)	4.70%	>=1.25%(0.2Tv)	PASS
Tsuva (315nm-400nm)	0.00%	<3.12%(0.5Tv)	PASS
Tsuvb (280nm-315nm)	0.00%		
Tsuv (280nm-400nm)	0.00%		
Tsb (400nm-500nm)	6.19%		
Red [Q] Factor	1.06	>=0.8	PASS
Green [Q] Factor	1.07	>=0.6	PASS
Yellow [Q] Factor	0.91	>=0.8	PASS
Blue [Q] Factor	1.36	>=0.7	PASS

Spectrum Data:

WL(nm)	T%	WL(nm)	T%	WL(nm)	T%	WL(nm)	T%	WL(nm)	T%
780	50.31	770	46.80	760	44.16	750	42.08	740	40.64
730	39.84	720	38.16	710	35.43	700	31.04	690	23.98
680	16.35	670	12.27	660	10.68	650	9.33	640	7.66
630	6.28	620	5.59	610	5.27	600	5.07	590	4.78
580	4.71	570	4.73	560	4.97	550	5.50	540	6.13
530	6.99	520	7.97	510	8.71	500	9.34	490	9.33
480	9.09	470	8.56	460	7.69	450	6.43	440	5.35
430	4.38	420	2.96	410	0.92	400	0.00	390	0.00
380	0.00	370	0.00	360	0.00	350	0.00	340	0.00
330	0.00	320	0.00	310	0.00	300	0.00	290	0.00
280	0.00								