Wenzhou LM Optical co.,ltd

Tel: 0577-88801912 Fax:

Certification Report

Customer Ref Code : L021-H0MX
Lens Type :
Lens Ref Code :
Sample Remark :

Standard: ANSI Z80.3:2018

Item	Value	Requirement	Result
Lens Primary Function	Cosmetic Lens		
Luminous Transmittance Tv	92.64 %	> 40%	PASS
Color Limit, Yellow(x,y)	(0.5783 , 0.4205)		PASS
Color Limit, Green(x,y)	(0.2132 , 0.4173)		PASS
Color Limit, D65(x,y)	(0.3280 , 0.3493)		PASS
Tsig, Red Signal	96.65 %	>=8.00%	PASS
Tsig, Yellow Signal	94.54 %	>=6.00%	PASS
Tsig, Green Signal	90.99 %	>=6.00%	PASS
Tmin (475 - 650nm)	84.67 %	>=18.53%(0.2Tv)	PASS
Tmax UVB (280 - 315nm)	0.00 %	<=11.58%(0.125Tv)	PASS
Tmax UVA (315 - 380nm)	0.05 %	<=92.64%(Tv)	PASS
Tsb (380 - 500nm)	72.34 %		

Standard: EN ISO 12312-1:2013(A1:2015)

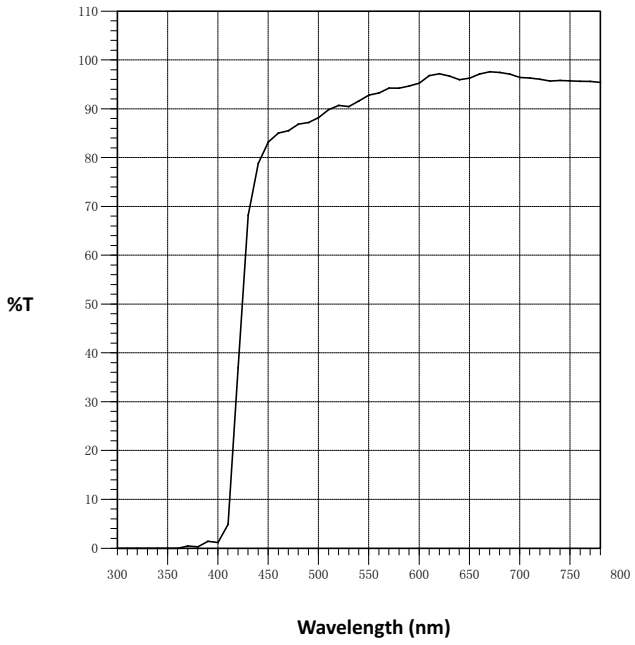
Item	Value	Requirement	Result
Filter Category	0		
Luminous Transmittance Tv	92.64 %	> 80%	PASS
Incandescent Lights			
Q, Red	1.04	>=0.80	PASS
Q, Yellow	1.02	>=0.60	PASS
Q, Green	0.99	>=0.60	PASS
Q, Blue	0.96	>=0.60	PASS
Tmin (475 - 650nm)	84.67 %	>=18.53%(0.2Tv)	PASS
Tsuva (315 - 380nm)	0.04 %	<=92.64%(Tv)	PASS
Tsuvb (280 - 315nm)	0.00 %	<=4.63%(0.05Tv)	PASS
Tsuv (280 - 400nm)	0.03 %		
Tsb (380 - 500nm)	72.34 %		
Road Use And Driving			PASS
Driving In Twilight or Night	92.64	Tv >= 75% PASS	

Standard:AS/NZS 1067.1:2016

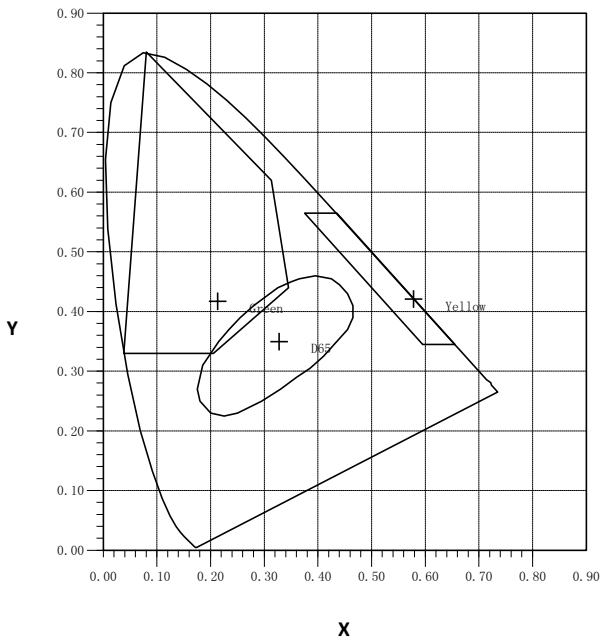
Item	Value	Requirement	Result
Lens Category	0		
Luminous Transmittance Tv	92.64 %	> 80%	PASS
Incandescent Lights			
Q, Red	1.04	>=0.80	PASS
Q, Yellow	1.02	>=0.60	PASS
Q, Green	0.99	>=0.60	PASS
Q, Blue	0.96	>=0.70	PASS
Tmin (475 -650nm)	84.67 %	>=18.53%(0.2Tv)	PASS
Tsuva (315 - 400nm)	0.17 %	<=92.64%(Tv)	PASS
Tsuvb (280 - 315nm)	0.00 %	<=4.63%(0.05Tv)	PASS
Tsuv (280 - 380nm)	0.03 %		
Tsb (380 - 500nm)	72.34 %		

CIE 1976 L*,a*,b* color space coordinates,illuminan D65
L*=96.824 a*=-2.231 b*=12.026

Transmittance Spectrum



Color Limit Regions of Acceptance



Spectrum Data:

nm	%T	nm	%T	nm	%T	nm	%T	nm	%T	nm	%T	nm	%T	nm	%T	nm	%T	nm	%T	nm	%T	nm	%T	nm	%T
280	0.00	290	0.00	300	0.00	310	0.00	320	0.00	330	0.00	340	0.00	350	0.00	360	0.00	370	0.47	380	0.31	390	1.44	400	1.19
410	4.91	420	36.98	430	68.21	440	78.81	450	83.22	460	85.04	470	85.53	480	86.88	490	87.20	500	88.22	510	89.85	520	90.70	530	90.47
540	91.62	550	92.82	560	93.26	570	94.26	580	94.24	590	94.68	600	95.26	610	96.81	620	97.19	630	96.72	640	95.98	650	96.29	660	97.14
670	97.59	680	97.46	690	97.12	700	96.43	710	96.31	720	96.07	730	95.70	740	95.82	750	95.73	760	95.65	770	95.62	780	95.42		

(1). ANSI Z80.3:2018	PASS	Lens Primary Function	Cosmetic Lens
(2). EN ISO 12312-1:2013(A1:2015)	PASS	Filter Category	0
(3). AS/NZS 1067.1:2016	PASS	Lens Category	0