Wenzhou LM Optical Co.,ltd

Tel: 17305770205 Fax:

Certification Report

Customer Ref Code	: L021-HYHC	Sample Remark	:
Lens Type	: 240818		
Lens Ref Code	:		

Standard: ANSI Z80.3:2018

Item	Value	Requirement	Result
Lens Primary Function	General Purpose		
Luminous Transmittance Tv	27.80 %	8% ~ 40%	PASS
Color Limit, Yellow(x,y)	(0.6435 , 0.3561)		PASS
Color Limit, Green(x,y)	(0.5061 , 0.4245)		FAILED
Color Limit, D65(x,y)	(0.6116 , 0.3660)		FAILED
Tsig, Red Signal	90.18 %	>=8.00%	PASS
Tsig, Yellow Signal	52.91 %	>=6.00%	PASS
Tsig, Green Signal	9.38 %	>=6.00%	PASS
Tmin (475- 650nm)	0.00 %	>=5.56%(0.2Tv)	FAILED
Tmax UVB (280- 315nm)	0.00 %	<=3.48%(0.125Tv)	PASS
Tmax UVA (315- 380nm)	0.07 %	<=27.80%(Tv)	PASS
Tsb (380- 500nm)	1.32 %		

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

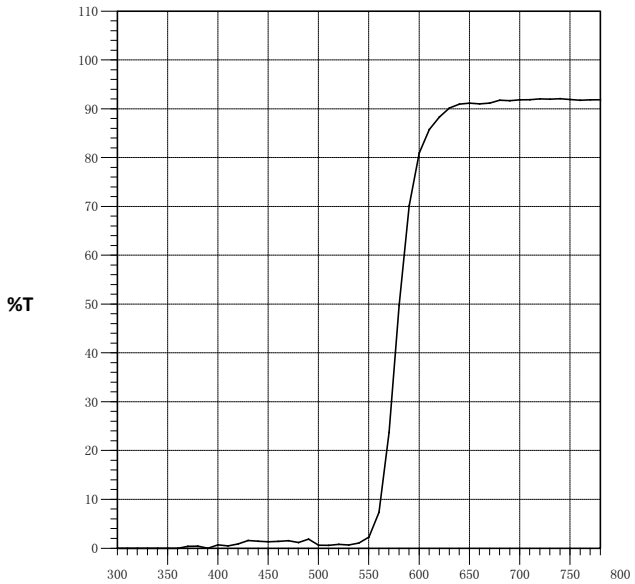
Item	Value	Requirement	Result
Filter Category	2		
Luminous Transmittance Tv	27.80 %	18% ~ 43%	PASS
Incandescent Lights			
Q, Red	3.08	>=0.80	PASS
Q, Yellow	1.75	>=0.60	PASS
Q, Green	0.38	>=0.60	FAILED
Q, Blue	0.24	>=0.60	FAILED
Tmin (475- 650nm)	0.00 %	>=5.56%(0.2Tv)	FAILED
Tsuva (315- 380nm)	0.05 %	<=13.90%(0.5Tv)	PASS
Tsuvb (280- 315nm)	0.00 %	<=1.39%(0.05Tv)	PASS
Tsuv (280- 400nm)	0.03 %		
Tsb (380- 500nm)	1.32 %		
Road Use And Driving			FAILED
Driving In Twilight or Night	27.80	Tv >= 75%	NOT SUITABLE

Standard:AS/NZS 1067.1:2016

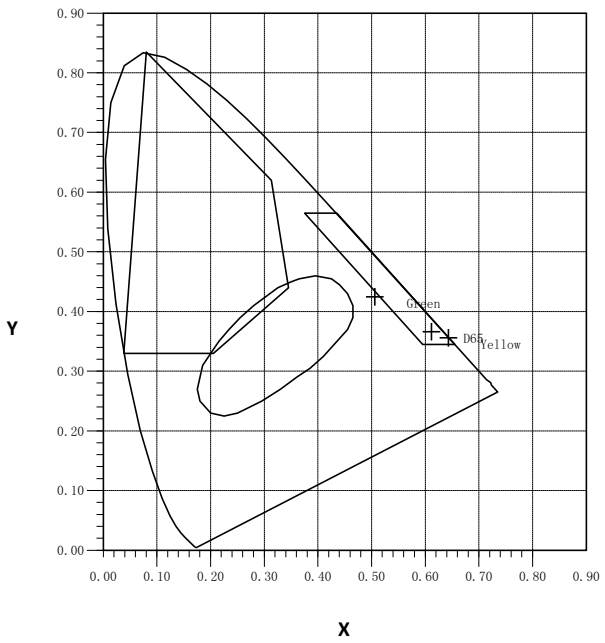
Item	Value	Requirement	Result
Lens Category	2		
Luminous Transmittance Tv	27.80 %	18% ~ 43%	PASS
Incandescent Lights			
Q, Red	3.08	>=0.80	PASS
Q, Yellow	1.75	>=0.60	PASS
Q, Green	0.38	>=0.60	FAILED
Q, Blue	0.24	>=0.70	FAILED
Tmin (475-650nm)	0.00 %	>=5.56%(0.2Tv)	FAILED
Tsuva (315- 400nm)	0.09 %	<=27.80%(Tv)	PASS
Tsuvb (280- 315nm)	0.00 %	<=1.39%(0.05Tv)	PASS
Tsuv (280- 380nm)	0.03 %		
Tsb (380- 500nm)	1.32 %		

CIE 1976 L*,a*,b* color space coordinates,illuminan D65
L*=57.658 a*=66.534 b*=79.354

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	0.41	380	0.45	390	0.02	400	0.71
410	0.50	420	0.90	430	1.60	440	1.46	450	1.34	460	1.43	470	1.56	480	1.19	490	1.89	500	0.64	510	0.62	520	0.81	530	0.68
540	1.09	550	2.30	560	7.38	570	23.73	580	49.75	590	70.17	600	80.97	610	85.78	620	88.32	630	90.18	640	90.98	650	91.17	660	91.02
670	91.18	680	91.77	690	91.68	700	91.85	710	91.88	720	92.05	730	91.98	740	92.08	750	91.91	760	91.77	770	91.85	780	91.87		

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