

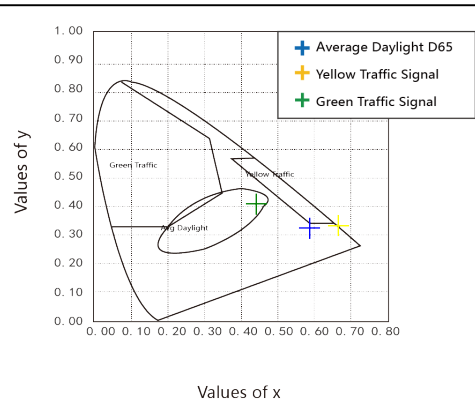


Tel: Fax:

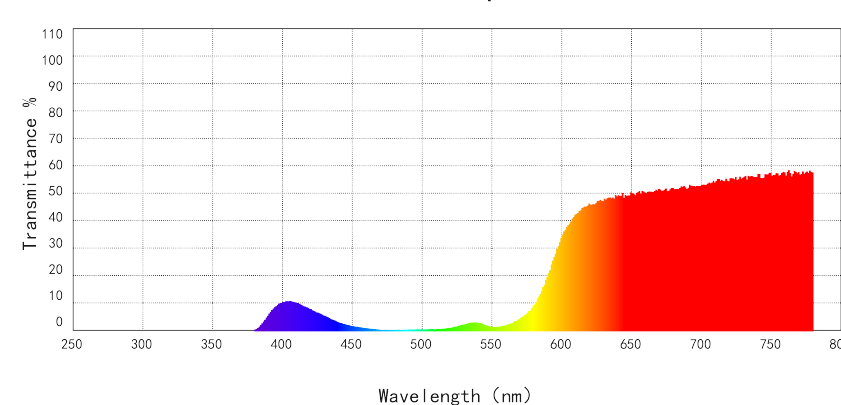
Lens Certification Report

Customer :
Lens Name : 紅
Lens Type :

Standard:EN ISO 12312-1:2022				Standard: AS/NZS 1067.1:2016+A1-2021			
Item	Requirement	Value	Result	Item	Requirement	Value	Result
Filter Category		3		Filter Category		3	
Luminous Transmittance Tv	8% - 18%	11.14 %	PASS	Luminous Transmittance	8% - 18%	11.17 %	PASS
Incandescent Lights				Incandescent Lights			
Q,Red	>=0.80	3.83	PASS	Q,Red	>=0.80	3.82	PASS
Q,Yellow	>=0.60	1.84	PASS	Q,Yellow	>=0.60	1.84	PASS
Q,Green	>=0.60	0.36	FAILED	Q,Green	>=0.60	0.36	FAILED
Q,Blue	>=0.60	0.38	FAILED	Q,Blue	>=0.70	0.38	FAILED
Tmin (475-650 nm)	>=2.23 %(0.2Tv)	0.61 %	FAILED	Tmin (475-650 nm)	>=2.23 %(0.2Tv)	0.61 %	FAILED
Tsuva (315-380 nm)	<=5.57 %(0.5Tv)	0.01 %	PASS	Tsuva (315-400 nm)	<=5.59 %(0.5Tv)	0.71 %	PASS
Tsubv (280-315 nm)	<=1.00 %	0.00 %	PASS	Tsubv (280-315 nm)	<=0.56 %(0.05Tv)	0.00 %	PASS
Tsuv (280-380 nm)		0.01 %		Tsuv (280-400 nm)		0.48 %	
Tsb (380-500 nm)		3.50 %		Tsb (380-500 nm)		3.50 %	
Road Use And Driving			FAILED	LED Signal Lights			
Driving In Twilight or Night	Tv>=75 %	11.14 %	NOT	Q,Red	>=0.80	4.18	PASS
LED Signal Lights				Q,Yellow	>=0.60	1.66	PASS
Q,Red	>=0.80	4.19	PASS	Q,Green	>=0.60	0.13	FAILED
Q,Yellow	>=0.60	1.67	PASS	Q,Blue	>=0.70	0.14	FAILED
Q,Green	>=0.60	0.13	FAILED				
Q,Blue	>=0.60	0.14	FAILED				

Standard: ANSI Z80.3:2018				Color Limit Regions of Acceptance			
Item	Requirement	Value	Result				
Lens Primary Function		General Purpose					
Luminous Transmittance Tv	8% - 40%	11.32 %	PASS				
Colour Distortion							
Yellow (X,Y)		(0.6648,0.3349)	FAILED				
Green (X,Y)		(0.4424,0.4101)	FAILED				
D65 (X,Y)		(0.5874,0.3266)	FAILED				
Traffic Signals Transmittance							
Tsig, Red Signal	>=8.00 %	48.72 %	PASS				
Tsig, Yellow Signal	>=6.00 %	22.00 %	PASS				
Tsig, Green Signal	>=6.00 %	3.94 %	PASS				
Tmin (475-650 nm)	>=2.26 %(0.2Tv)	0.61 %	FAILED				
Tmax UVB (280-315 nm)	<=1.42 %(0.125Tv)	0.01 %	PASS				
Tmax UVA (315-380 nm)	<=11.32 %(Tv)	0.01 %	PASS				
Tsb (380-500 nm)		3.50 %					

Measurement Results:							
ISO 12312-1:2022		ANSI Z80.3-2018		AS/NZS 1067.1:2016+A1-2021		Illuminant D65	
Result	FAIL	Result	FAIL	Result	FAIL	x 0.59	L * 39.13
						y 0.33	a * 55.21
						z 0.09	b * 32.61

Transmittance Spectrum		% TRANSMISSION VALUES (CENTER)					
		280	0.01	290	0.01	300	0.01
		310	0.00	320	0.00	330	0.01
		340	0.03	350	0.01	360	0.01
		370	0.01	380	0.06	390	5.78
		400	10.47	410	10.66	420	8.36
		430	5.94	440	3.60	450	2.15
		460	1.33	470	0.77	480	0.62
		490	0.78	500	0.94	510	0.84
		520	1.39	530	2.64	540	3.29
		550	1.85	560	2.35	570	4.70
		580	9.53	590	20.01	600	34.22
		610	42.62	620	46.66	630	47.53
		640	49.27	650	50.75	660	50.71
		670	51.94	680	52.33	690	51.94
		700	53.09	710	54.28	720	54.78
		730	56.03	740	56.40	750	57.83
		760	57.98	770	58.10	780	58.02