

Color Filter Weathering Test Results

1. Orange - ES1003 (Y7 Colorant)

Test Duration [hrs]		0	500	1000
Luminous Flux [a.u.]		1.00	1.04	1.04
Chromaticity (CIE 1931)	x	0.5368	0.5353	0.5352
	y	0.4601	0.4616	0.4618

2. Yellow - ES1004 (Y8 Colorant)

Test Duration [hrs]		0	500	1000
Luminous Flux [a.u.]		1.00	1.01	1.03
Chromaticity (CIE 1931)	x	0.4940	0.4934	0.4938
	y	0.4885	0.4888	0.4885

3. Green - ES1005 (G Colorant)

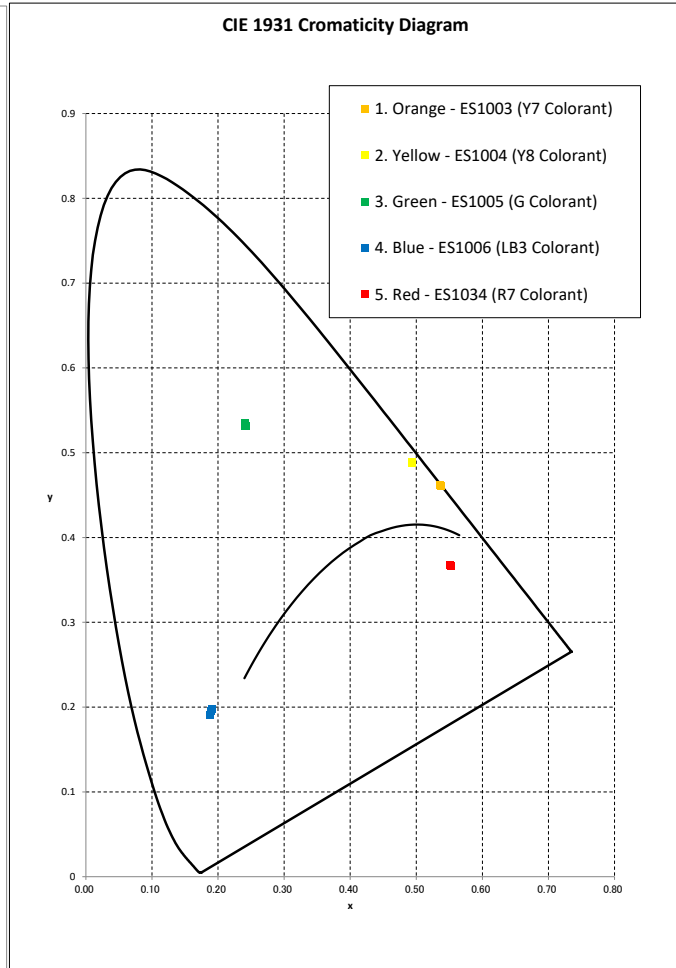
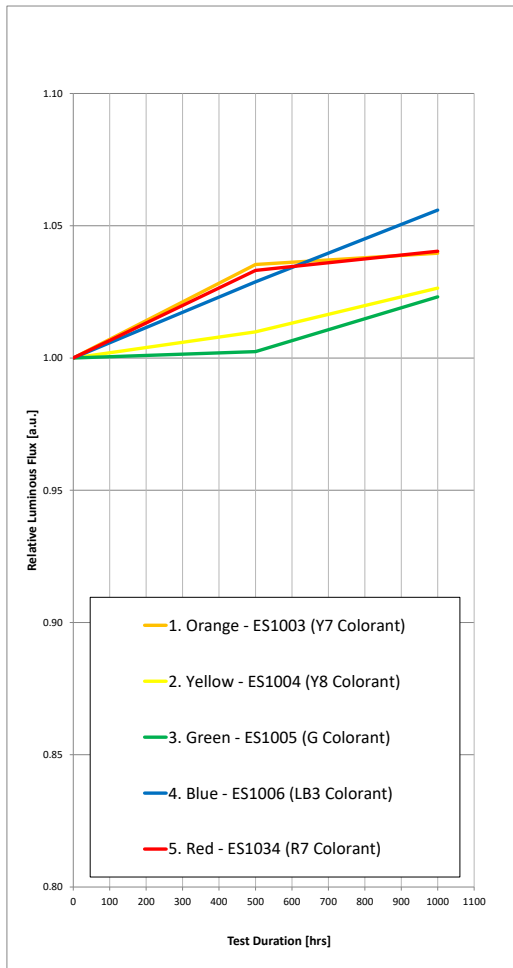
Test Duration [hrs]		0	500	1000
Luminous Flux [a.u.]		1.00	1.00	1.02
Chromaticity (CIE 1931)	x	0.2403	0.2415	0.2427
	y	0.5354	0.5318	0.5312

4. Blue - ES1006 (LB3 Colorant)

Test Duration [hrs]		0	500	1000
Luminous Flux [a.u.]		1.00	1.03	1.06
Chromaticity (CIE 1931)	x	0.1874	0.1897	0.1915
	y	0.1907	0.1949	0.1983

5. Red - ES1034 (R7 Colorant)

Test Duration [hrs]		0	500	1000
Luminous Flux [a.u.]		1.00	1.03	1.04
Chromaticity (CIE 1931)	x	0.5519	0.5515	0.5516
	y	0.3663	0.3674	0.3676



[Test Conditions]

Test Machine: Suga Test Instruments Xenon Long Life Weather Meter  
 Conditions: 60°C 40%Rh  
 Duration: 1000hrs  
 Count: n=3

[Eval. Condition]

Measure Instrument: Optical Channel Monitor  
 Source LED: NS6W183A-H3  
 Method: Compare test vs. control samples (Evaluated by luminous flux and chromaticity)  
 Count n=3 each test and control samples

\*Measured values, not a specification