



INDUSTRIAL TESTING LABORATORY

Report No. 050223-01B

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TEST REPORT

Report Date: 24 March 2005

Test Component: King Tech Yellow-Green and Orange-Red Fluorescent Woven Background Materials (Solid Fabrics) Submitted 2/23/05

Submitted by: King Tech
San Diego, CA 92122

Test Laboratory: Calcoast - ITL
Emeryville, CA 94608

Number of Devices Tested: One (1) Yellow-Green, Solid Fabric
One (1) Orange-Red, Solid Fabric

SUMMARY

The submitted samples were measured for color and luminance only and compared to current ANSI 107-1999 Background Material color and luminance requirements.

6.1 Color & Luminance

Yellow-Green.....Passed

Orange-Red.....Passed

Note: Yellow-Green material requires testing with two layers to comply.

Calcoast-ITL has not received accreditation as a test laboratory for ANSI 107-2004 at this time. Therefore, Calcoast-ITL has tested the material to ANSI 107-1999 which does not require that the laboratory be accredited.

Signature of Responsible Laboratory Official

Mark A. Evans
Photometric Engineer

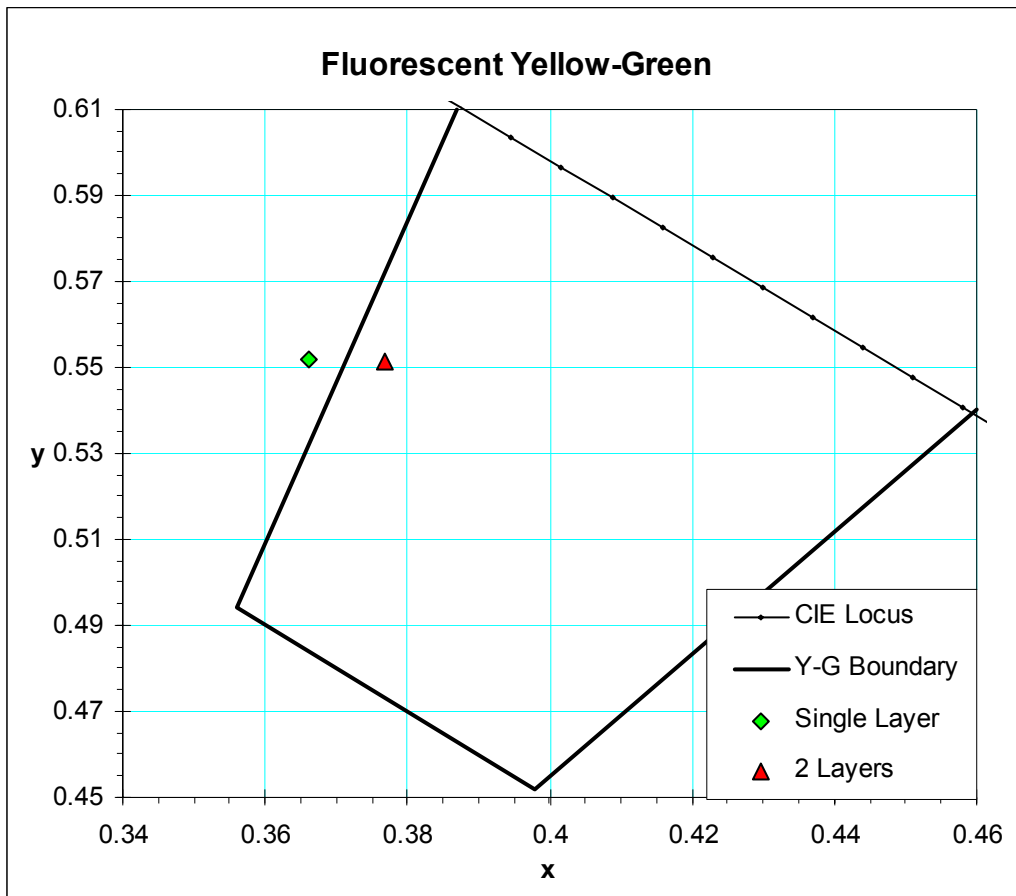
TEST DATA SHEET

Test Component: King Tech Yellow-Green and Orange-Red Fluorescent Woven Background Materials (Solid Fabrics) Submitted 2/23/05

Test Equipment: HunterLab A60 ColorFlex Spectrocolorimeter
 Light Source: D65 / 2° CIE Observer
 Geometry: 45° Entrance / 0° Observation

Fluorescent Yellow-Green Background Material
 Solid Fabric

Sample	Read	β	x	y
Single Layer	1	99.62	0.3660	0.5518
	2	99.62	0.3661	0.5517
	3	99.56	0.3661	0.5518
	Avg	99.6	0.3661	0.5518
2 Layers	1	122.01	0.3769	0.5514
	2	122.07	0.3767	0.5514
	3	121.33	0.3770	0.5515
	Avg	121.80	0.3769	0.5514
Required	Avg	≥ 0.76	See Chart	



Sample meets all requirements when tested as 2 layers.

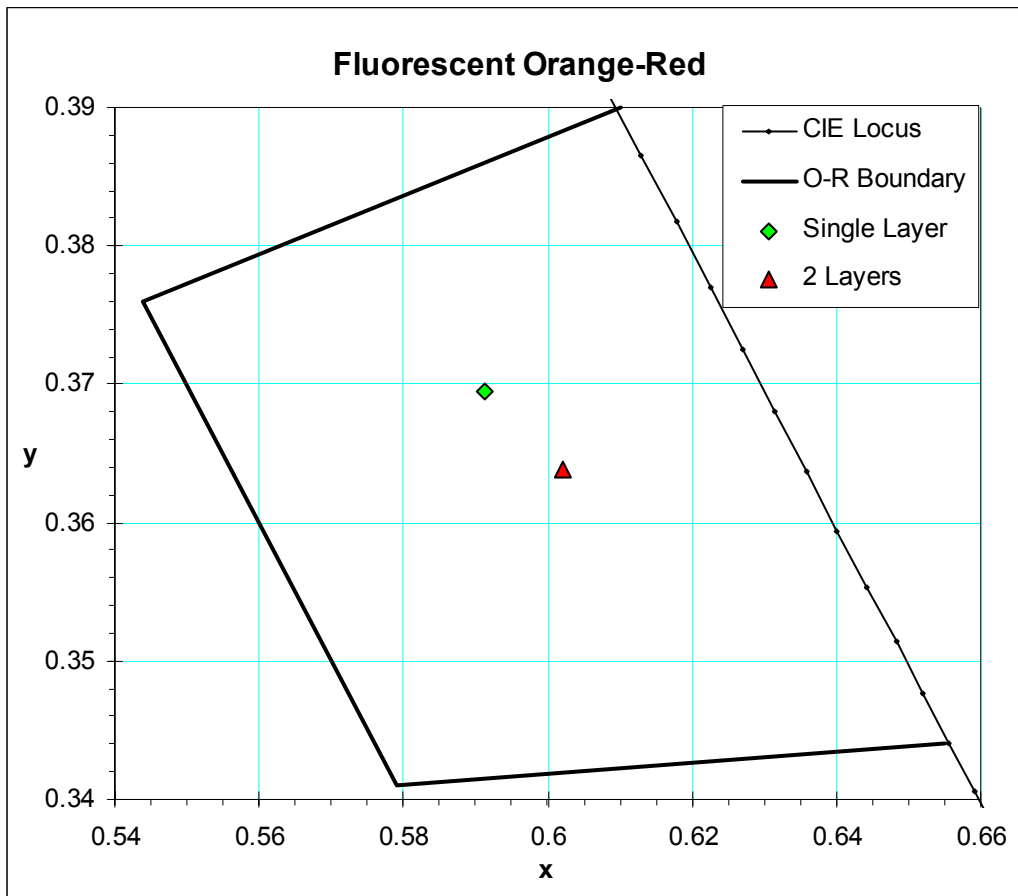
TEST DATA SHEET

Test Component: King Tech Yellow-Green and Orange-Red Fluorescent Woven Background Materials (Solid Fabrics) Submitted 2/23/05

Test Equipment: HunterLab A60 ColorFlex Spectrocolorimeter
 Light Source: D65 / 2° CIE Observer
 Geometry: 45° Entrance / 0° Observation

Fluorescent Orange-Red Background Material
 Solid Fabric

Sample	Read	β	x	y
1 of 1 Location A	1	54.96	0.5913	0.3695
	2	55.10	0.5913	0.3695
	3	54.49	0.5914	0.3695
	Avg	54.85	0.5913	0.3695
1 of 1 Location B	1	62.06	0.6022	0.3639
	2	62.00	0.6018	0.3641
	3	61.69	0.6024	0.3638
	Avg	61.92	0.6021	0.3639
Required	Avg	≥ 0.40	See Chart	



Sample meets color and luminance requirements.