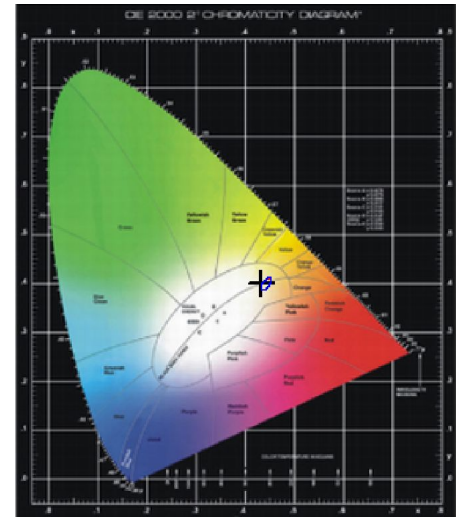
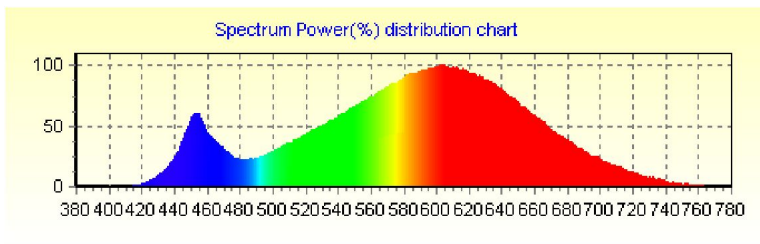


LED Integrated Testing System test report

test item:	LED spectrum analyse		
equipment:	Led test system		
certificate we have:	The certificate of CSA, optoelectronic oranzation of COEMA and Hi-tech enterprice.		
Test Identifier	Mode:	E14 5630/16	Manufacturer: OSRAM
	Temperature:	22 °C	Humidity: 65 %
	Conner:	WW	Date: 2013.AUG27
	Organ:	INCOMP	

curve of spectrum power distributing



Spectrum	Electrical paramete		
(Peak): 604.6 nm	I(test):	38.000 mA	
(Main): 582.4 nm	Vf:	228.000 V	
(Centroid): 549.5 nm	v:	343.729 lm	
(Center): 504.0 nm	Efficiency:	84.772 lm/w	
BandWidth: 139.0 nm	P:	4.1 W	
ColorTemp: 3087 K	PFC:	0.468	
CIE(x,y): 0.4317, 0.4029	R1:81.6	R2:91.0	R3:96.2
CIE(u,v): 0.2477, 0.3468	R4:79.4	R5:81.3	R6:87.4
Ra: 83.0	R7:83.4	R8:63.7	R9:20.1
Purity: 0.505	R10:77.8	R11:71.5	R12:67.1
Light Power: 1176.9585 mw	R13:83.2	R14:98.1	R15:77.0

Remark:
E14 GYERTYA