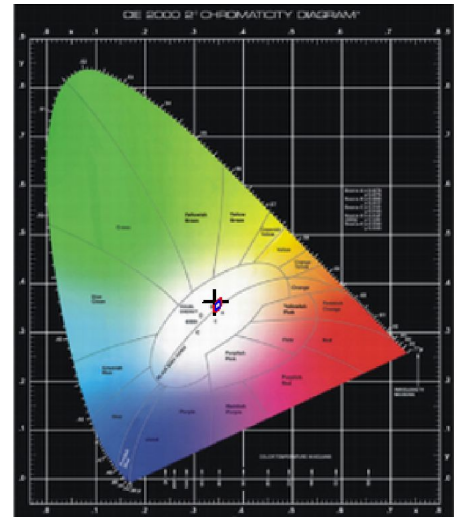
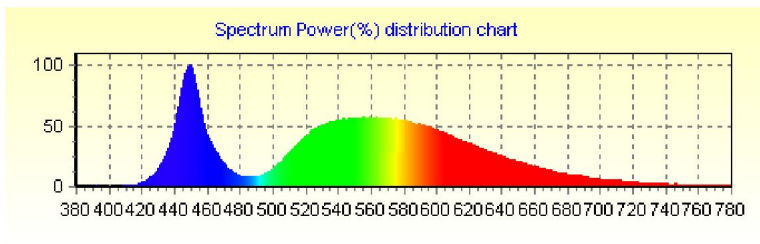


LED Integrated Testing System test report

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:	REFI 24W 5630/144	Manufacturer: SHAR W
	Temperature:	21 °C	Humidity: 65 %
	Conner:	5630/144 W	Date: 2013.march.27
	Organ:	INCOMP	

curve of spectrum power distributing



Spectrum	Electrical paramete		
(Peak): 450.2 nm	I(test):	195.000 mA	
(Main): 562.4 nm	Vf:	228.100 V	
(Centroid): 440.7 nm	v:	2845.440 lm	
(Center): 442.0 nm	Efficiency:	117.595 lm/w	
BandWidth: 20.0 nm	P:	24.3 W	
ColorTemp: 5227 K	PFC:	0.544	
CIE(x,y): 0.3399, 0.3647	R1:68.7	R2:75.4	R3:78.8
CIE(u,v): 0.2030, 0.3268	R4:69.3	R5:66.2	R6:62.3
Ra: 69.6	R7:78.6	R8:57.4	R9: -32.7
Purity: 0.114	R10:38.2	R11:75.6	R12:31.2
Light Power: 15981.2770 mw	R13:68.9	R14:87.8	R15:63.7

Remark:
SHARLIGHT