

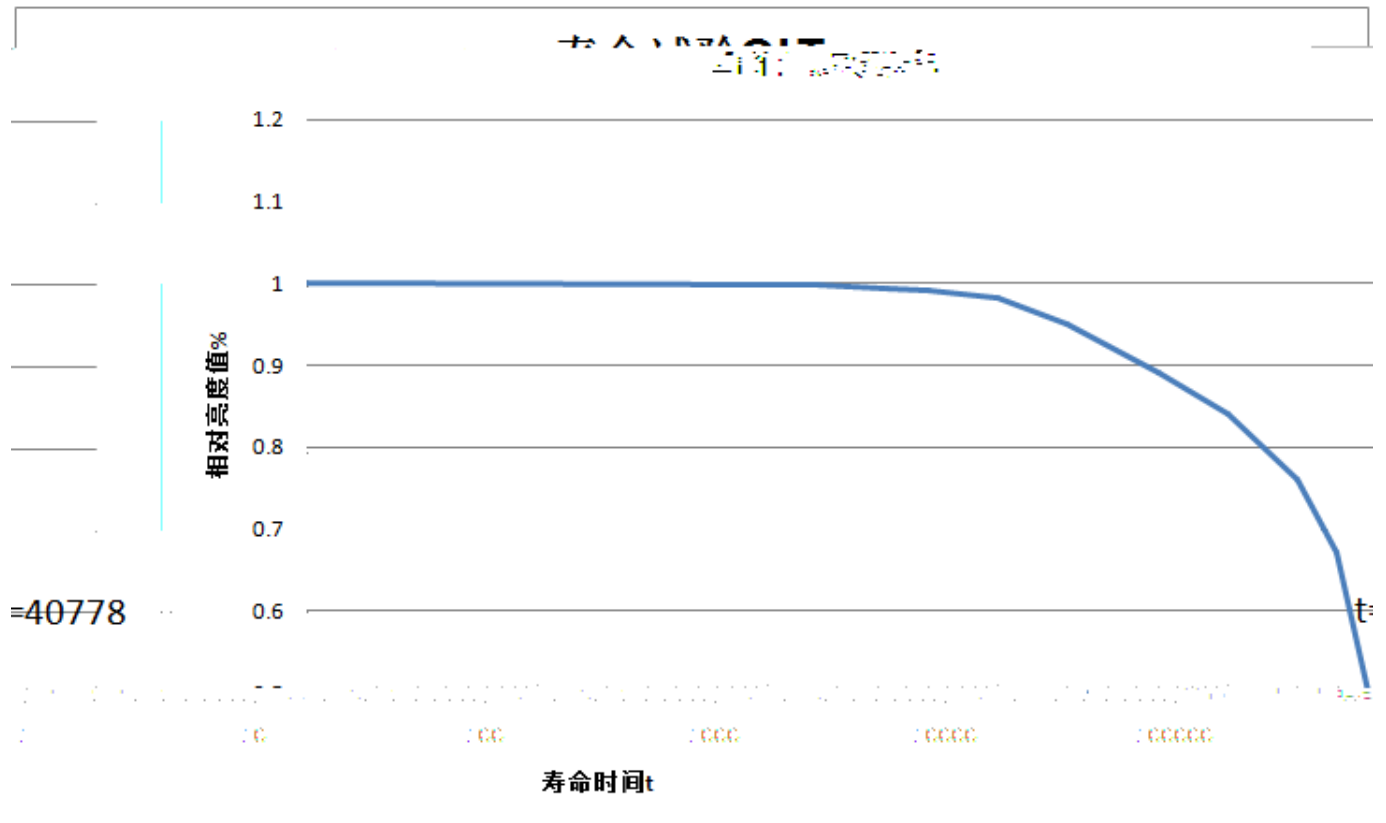
Reliability test report

SHEN ZHEN SHI L.T PHOTOELECTRICITY TECHNOLOGY CO., LTD

Iv

Test Item	Iv Test time and brightness relation rate.					Fail No.	Conclusion	Remark
	0hr	168hrs	336hrs	500hrs	1000hrs			
(OLT)	1	0.9985	0.9931	0.9902	0.9830	0	Pass	(Test Condition) : IF =20mA; 1000Hrs

Data Set ----25°C , 20mA	
Part Number:	LT3014WH-A-Q
Number of Units:	20pcs
Actual Case Temperature(TS):	TS=29.1°C
Actual Ambient Temperature(TA):	TA=25.4°C
Life Test Drive Current :	IF=20mA



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LED 50% LED LED1000
MTBF

$$R(\%) = [e^{-\lambda t}]$$

R
t
e
, LED 1000
2.7183

$$R(\%) = [e^{-\lambda t}]$$

$$= [2.7183^{-(0.0170/1000\text{hrs}) t}]$$

$$= 50\%$$

, 50% LED

$$t = -[\ln(50\%)/\lambda]$$

$$= -[\ln(50\%)/(0.0170/1000\text{hrs})]$$

$$= 40778\text{hrs}$$