



TM-21 Report

Table 1: Report at each LM-80 Test Condition					
Description of LED Light Source Tested (manufacturer, model, catalog number)		Model:3030, Philips Lumileds			
		Test Condition 1 - 55°C Case Temp		Test Condition 2 - 85°C Case Temp	
Sample size	25	Sample size	25	Sample size	25
Number of failures	0	Number of failures	0	Number of failures	0
DUT drive current used in the test (mA)	165	DUT drive current used in the test (mA)	165	DUT drive current used in the test (mA)	165
Test duration (hours)	9,000	Test duration (hours)	9,000	Test duration (hours)	9,000
Test duration used for projection (hour to hour)	4,000 - 9,000	Test duration used for projection (hour to hour)	4,000 - 9,000	Test duration used for projection (hour to hour)	4,000 - 9,000
Tested case temperature (°C)	55	Tested case temperature (°C)	85	Tested case temperature (°C)	105
a	4.645E-06	a	4.178E-06	a	4.280E-06
B	0.995	B	0.988	B	0.983
Reported L70(9k) (hours)	>54000	Reported L70(9k) (hours)	>54000	Reported L70(9k) (hours)	>54000

Table 2: Interpolation Report (projection based on <i>in-situ</i> temperature entered)	
$T_{s,1}$ (°C)	55.00
$T_{s,1}$ (K)	328.15
a	4.645E-06
B_1	0.995
$T_{s,2}$ (°C)	85.00
$T_{s,2}$ (K)	358.15
a	4.178E-06
B_2	0.988
E_a/k_b	-4.15E+02
A	1.312E-06
B_0	0.992
$T_{s,i}$ (°C)	56.50
$T_{s,i}$ (K)	329.65
a	4.618E-06
Reported L70(9k) at 56.5°C (hours)	>54000

Report Generated By: Fish Tan	Notes:
Company: LCTECH (Zhongshan) Testing Service Co., Ltd	
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