



TM-21 Report

Table 1: Report at each LM-80 Test Condition

Description of LED Light Source Tested (manufacturer, model, catalog number)		LED TUBE T8					
Test Condition 1 - 55°C Case Temp		Test Condition 2 - 85°C Case Temp		Test Condition 3 - 105°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)	60	DUT drive current used in the test (mA)	60	DUT drive current used in the test (mA)	60		
Test duration (hours)	9 000	Test duration (hours)	9 000	Test duration (hours)	9 000		
Test duration used for projection (hour to hour)	4000,0 - 6000,0	Test duration used for projection (hour to hour)	4000,0 - 6000,0	Test duration used for projection (hour to hour)	4000,0 - 6000,0		
Tested case temperature (°C)	55	Tested case temperature (°C)	85	Tested case temperature (°C)	105		
α	5,486E-06	α	5,286E-06	α	5,311E-06		
B	1,004	B	1,002	B	0,996		
Reported L70(9k) (hours)	>54000	Reported L70(9k) (hours)	>54000	Reported L70(9k) (hours)	>54000		

**Table 2: Interpolation Report
(projection based on *in-situ* temperature entered)**

$T_{s,1}$ (°C)	55,00
$T_{s,1}$ (K)	328,15
α_1	5,486E-06
B_1	1,004
$T_{s,2}$ (°C)	-
$T_{s,2}$ (K)	-
α_2	-
B_2	-
E_a/k_b	-
A	-
B_0	1,004
$T_{s,i}$ (°C)	52,30
$T_{s,i}$ (K)	325,45
α_i	5,486E-06
Reported L70(9k) at 52,3°C (hours)	>54000

Report Generated By:	Notes:
Company: Integratech	
Date:	