



# TM-21 Report

**Table 1: Report at each LM-80 Test Condition**

Description of LED Light Source Tested (manufacturer, model, catalog number)		CONSTANT CURRENT 300W NON-CLASS 2 ROUND LED DC MODULE TNU150300ACXXXX TNU300300ACXXXX					
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)	150	DUT drive current used in the test (mA)	150	DUT drive current used in the test (mA)	150		
Test duration (hours)	10,000	Test duration (hours)	10,000	Test duration (hours)	10,000		
Test duration used for projection (hour to hour)	5,185 - 10,074	Test duration used for projection (hour to hour)	5,185 - 10,074	Test duration used for projection (hour to hour)	5,185 - 10,074		
Tested case temperature (°C)	55	Tested case temperature (°C)	85	Tested case temperature (°C)	105		
$\alpha$	1.693E-06	$\alpha$	2.362E-06	$\alpha$	3.087E-06		
B	0.998	B	0.985	B	0.962		
Reported L70(10k) (hours)	>60000	Reported L70(10k) (hours)	>60000	Reported L70(10k) (hours)	>60000		

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

$T_{s,1}$ (°C)	105.00
$T_{s,1}$ (K)	378.15
$\alpha_1$	3.087E-06
$B_1$	0.962
$T_{s,2}$ (°C)	-
$T_{s,2}$ (K)	-
$\alpha_2$	-
$B_2$	-
$E_a/k_b$	-
A	-
$B_0$	0.962
$T_{s,i}$ (°C)	105.00
$T_{s,i}$ (K)	378.15
$\alpha_i$	3.087E-06
Reported L70(10k) at 105°C (hours)	>60000

Report Generated By: Edwin Reyes	Notes: CONSTANT CURRENT 300W NON-CLASS 2 ROUND LED DC MODULE TNU150300ACXXXX TNU300300ACXXXX
Company: Fulham Co. Inc.	
Date: 11/22/2016	