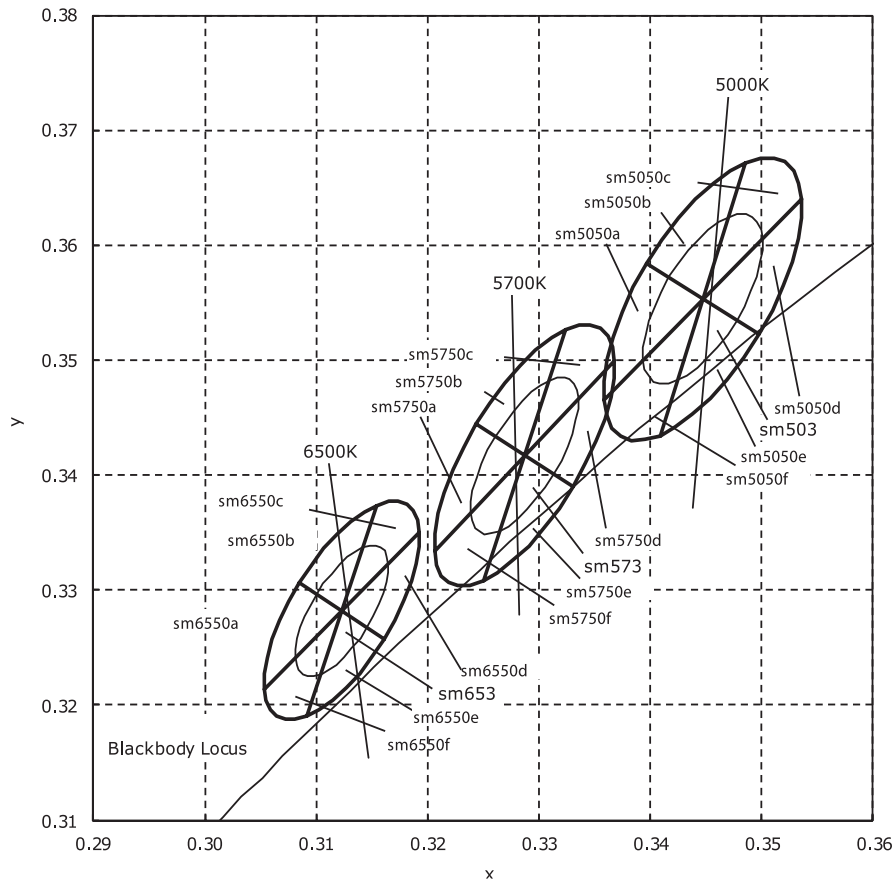
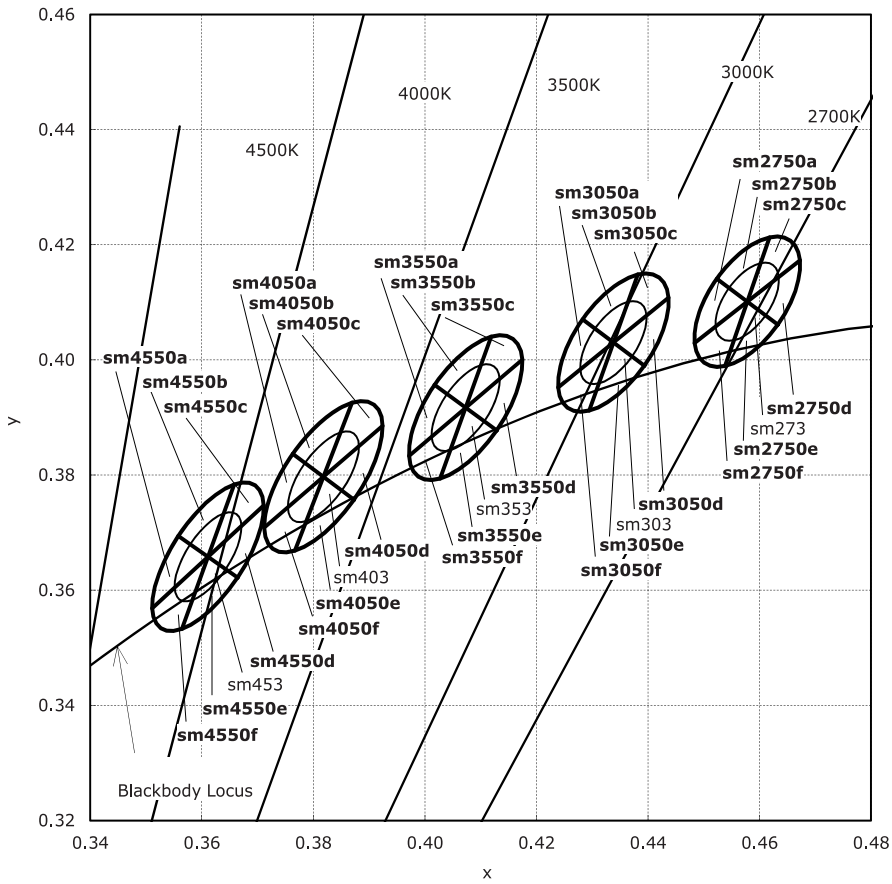


CCT AND BINNING INFORMATION

DATASHEET

X-MR0070NC-4080-NVSx219C-6



LIFETIME PROJECTION & WORST CONDITION PERFORMANCE

MODEL NUMBER: NVSL219C

Test Summary:

Data Set	Case Temperature [T _s]	Ambient Temperature [T _a]	Drive Current [I _F]	Lumen Maintenance at 10,000 hours	Chromaticity Shift (Δu'v') at 10,000 hours	TM-21 Projection L ₇₀ (10K)	TM-21 Projection L ₈₀ (10K)	TM-21 Projection L ₉₀ (10K)
1	55 °C	> 50 °C	700 mA	99.8 %	0.0016	> 60000 hours	> 60000 hours	> 60000 hours
2	55 °C	> 50 °C	1500 mA	99.1 %	0.0019	> 60000 hours	> 60000 hours	> 60000 hours
3	85 °C	> 80 °C	700 mA	99.4 %	0.0019	> 60000 hours	> 60000 hours	> 60000 hours
4	85 °C	> 80 °C	1200 mA	97.0 %	0.0018	> 60000 hours	> 60000 hours	38400 hours
5	85 °C	> 80 °C	1500 mA	99.4 %	0.0021	> 60000 hours	> 60000 hours	> 60000 hours
6	105 °C	> 100 °C	700 mA	94.4 %	0.0014	> 60000 hours	47900 hours	20600 hours
7	105 °C	> 100 °C	1200 mA	91.8 %	0.0017	54100 hours	32200 hours	13000 hours
8	105 °C	> 100 °C	1500 mA	90.1 %	0.0022	46500 hours	27100 hours	9880 hours
9	120 °C	> 115 °C	700 mA	94.4 %	0.0018	> 60000 hours	> 60000 hours	25200 hours
10	120 °C	> 115 °C	1200 mA	94.5 %	0.0029	> 60000 hours	57900 hours	23900 hours
11	120 °C	> 115 °C	1500 mA	89.1 %	0.0037	49100 hours	27300 hours	8180 hours

Data Set 6 : 105°C, 120mA

Test Duration used	0-6000 hrs
B	1,0107
α	2,0007E-01

Curve-fit equation:
 $\Phi(t)=Bexp(-at)$

Lumen maintenance life equation:
 $L_{70} = \ln(B/0.7)/\alpha$

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