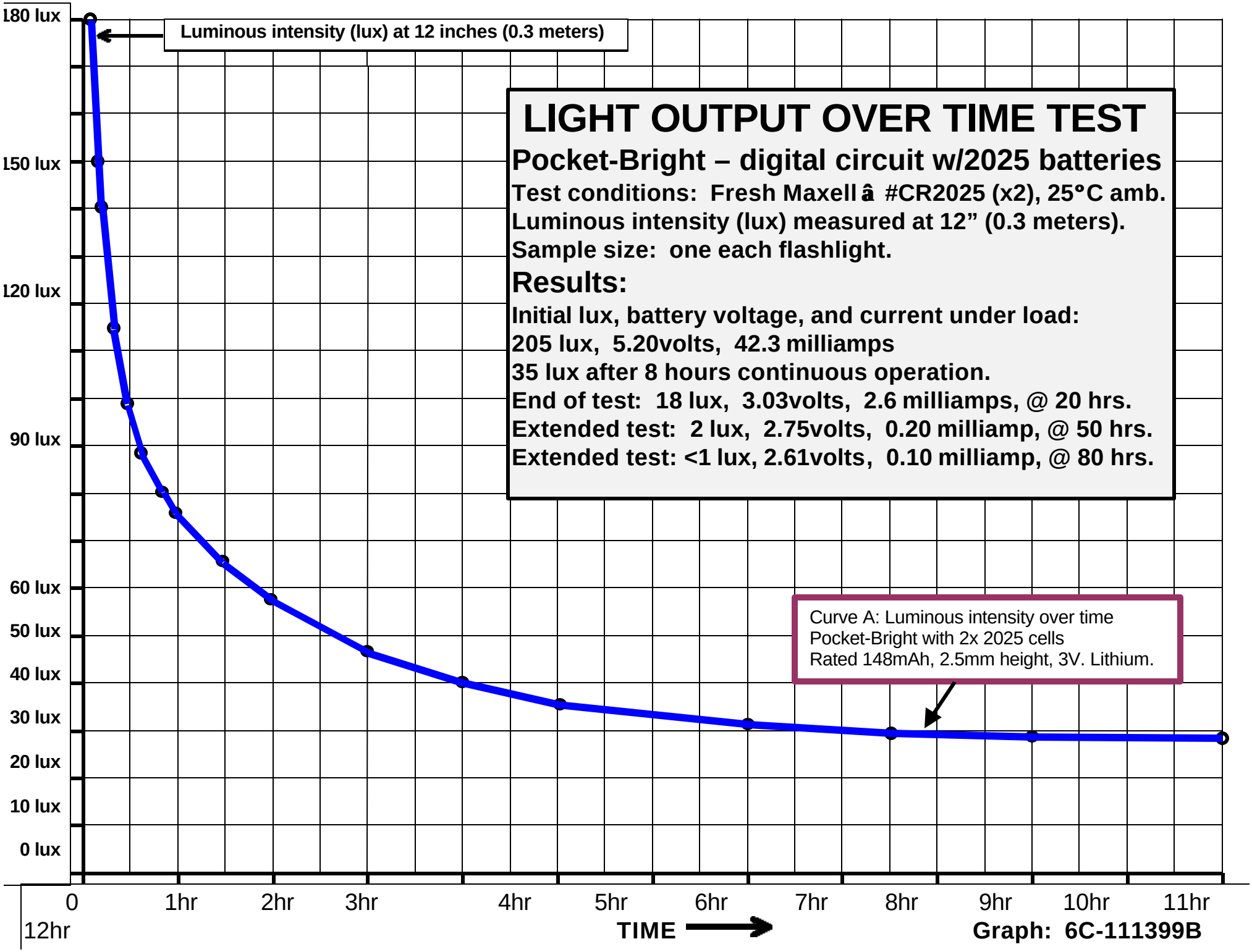
LIGHT OUTPUT OVER TIME TEST
Pocket-Bright – digital circuit w/2025 batteries
Test conditions: Fresh Maxell â #CR2025 (x2), 25°C amb.
Luminous intensity (lux) measured at 12” (0.3 meters).
Sample size: one each flashlight.
Results:
Initial lux, battery voltage, and current under load:
205 lux, 5.20volts, 42.3 milliamps
35 lux after 8 hours continuous operation.
End of test: 18 lux, 3.03volts, 2.6 milliamps, @ 20 hrs.
Extended test: 2 lux, 2.75volts, 0.20 milliamp, @ 50 hrs.
Extended test: <1 lux, 2.61volts, 0.10 milliamp, @ 80 hrs.
Luminous intensity (lux) at 12 inches (0.3 meters)
Curve A: Luminous intensity over time
Pocket-Bright with 2x 2025 cells
Rated 148mAh, 2.5mm height, 3V. Lithium.
180 lux
150 lux
120 lux
90 lux
60 lux
50 lux
40 lux
30 lux
20 lux
10 lux
0 lux
0
1hr
2hr
3hr
4hr
5hr
6hr
7hr
8hr
9hr
10hr
11hr
12hr
TIME
Graph: 6C-111399B