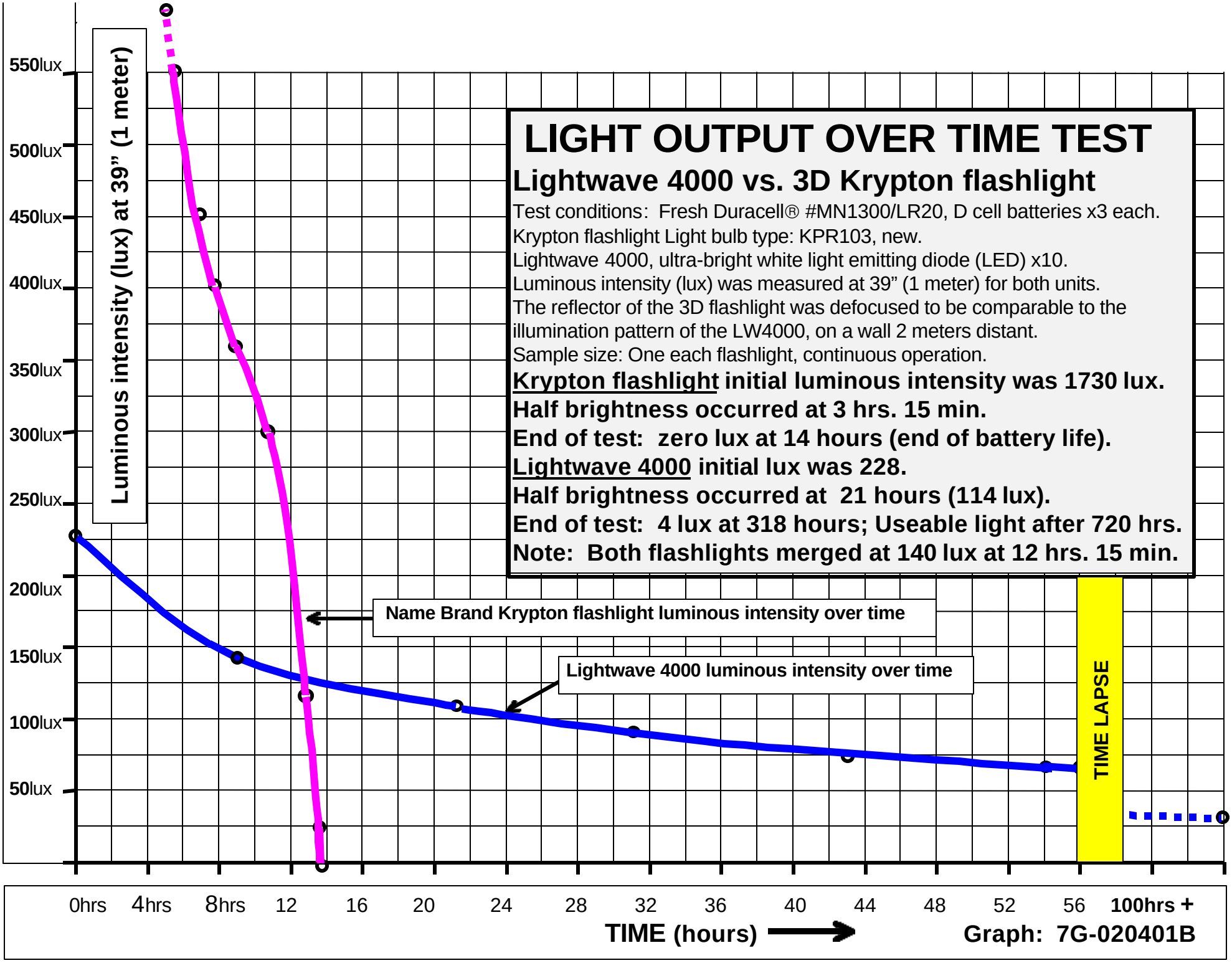
LIGHT OUTPUT OVER TIME TEST
Lightwave 4000 vs. 3D Krypton flashlight
Test conditions: Fresh Duracell® #MN1300/LR20, D cell batteries x3 each.
Krypton flashlight Light bulb type: KPR103, new.
Lightwave 4000, ultra-bright white light emitting diode (LED) x10.
Luminous intensity (lux) was measured at 39" (1 meter) for both units.
The reflector of the 3D flashlight was defocused to be comparable to the illumination pattern of the LW4000, on a wall 2 meters distant.
Sample size: One each flashlight, continuous operation.
Krypton flashlight initial luminous intensity was 1730 lux.
Half brightness occurred at 3 hrs. 15 min.
End of test: zero lux at 14 hours (end of battery life).
Lightwave 4000 initial lux was 228.
Half brightness occurred at 21 hours (114 lux).
End of test: 4 lux at 318 hours; Useable light after 720 hrs.
Note: Both flashlights merged at 140 lux at 12 hrs. 15 min.
Luminous intensity (lux) at 39" (1 meter)
550lux
500lux
450lux
400lux
350lux
300lux
250lux
200lux
150lux
100lux
50lux
Name Brand Krypton flashlight luminous intensity over time
Lightwave 4000 luminous intensity over time
TIME LAPSE
0hrs
4hrs
8hrs
12
16
20
24
28
32
36
40
44
48
52
56
100hrs +
TIME (hours)
Graph: 7G-020401B