



MANUAL

SCORING METHOD



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For the Multi-Luminance Mobility Test, subjects will complete a numbered configured course with one eye patched, a second differently numbered configured course with the other eye patched and a third differently configured course using both eyes. ²

This process will be repeated until passing and failing light level threshold are established. The subject will progress from a lower to higher light level (Lux)². There are 8 levels of illumination, referred to as lux levels, that represent lighting in everyday conditions.

Lux levels are measured using a calibrated lux meter.¹

Subjects will be graded based on accuracy and speed. ²

- Passing is defined as completing the course with fewer than 4 errors and within 3 minutes. ²
- An error is defined as:
 - Hitting an object
 - Going off course, that is, bypassing the marked arrows
 - Getting verbal help from the course administrator
 - Getting physical help from the course administrator

To quantify study subjects' performance over time, passing score codes are assigned to each lux level. ^{1,2}

LUX LEVEL 400	LUX LEVEL 250	LUX LEVEL 130	LUX LEVEL 50	LUX LEVEL 10	LUX LEVEL 5	LUX LEVEL 1	LUX LEVEL .1
0	1	2	3	4	5	6	7
Traditional work office	School classroom	Warehouse aisle	Family living room	Nighttime urban street	Parking lot at night	Full moon night	New moon night

For example:

- Passing the course at 5 Lux (less than 4 errors and completion within 3 minutes) gives a score of 5.
- Passing the course at 50 Lux (less than 4 errors and completion within 3 minutes) gives a score of 3.
- Passing the course at 400 Lux (less than 4 errors and completion within 3 minutes) gives a score of 0.

The score change is the difference between the lowest lux level passed before treatment and after treatment. ^{1,2}

Reference

1. Chung DC, McCague S, Yu ZF, et al. Novel mobility test to assess functional vision in patients with inherited retinal dystrophies. *Clin Exp Ophthalmol*. 2018;46(3):247-259.
2. Russell S, Bennett J, Wellman JA, et al. Efficacy and safety w trial. *Lancet*. 2017;390(10097):849-860.