

Table C-3. Measures tested in studies included for Key Question 1B

Study	Measure	Details About the Measure	Reported Reliability Data	Reported Validity Data	Reported Responsiveness Data
Geruschat et al. 2015 ¹	Functional Low-Vision Observer Rated Assessment (FLORA)	FLORA includes three sections: (1) self-report that includes 14 open-ended questions (e.g., "What would you like me to know about how the system has affected you?") and any of them can be skipped if the assessor decides to skip; (2) observation of performance in 35 activities, in which the assessor observes the patient performing common activities of daily living, both with and without the Argus device turned ON and any of the activities can be skipped if the assessor decides to skip, and each task was rated as impossible/difficult/moderate/easy and also estimated how much vision was needed to accomplish the task (no vision, or some vision, or vision only); (3) case summary, which is a narrative case report summarizing the assessor's findings.		✓	
Bittner et al. 2011 ²	Grating acuity test (GAT)	For each stimulus, the lines were horizontal, vertical, diagonal right, or diagonal left. Researchers determined each person's acuity threshold, twice per visit, and again over 1–2 additional visits.	✓	✓	
Bittner et al. 2011 ²	ETDRS visual acuity test	Standard acuity test was administered.	✓		
Chow et al. 2010 ³	Grating acuity test (GAT)	For each stimulus, the lines were horizontal, vertical, diagonal right, or diagonal left. Researchers determined each person's acuity threshold 3–4 times over 3–4 visits.	✓	✓	
Chow et al. 2010 ³	Chow Color Test (CCT)	Developed to be more sensitive than the standard low color vision testing which is called the PV-16. The CCT is composed of both high-saturation (CHS) and low-saturation (CLS) discs. Researchers determined each person's color ability 3–4 times over 3–4 visits. The best possible score is 40.	✓	✓	
Kiser et al. 2005 ⁴	ETDRS visual acuity test, regular	Standard test, regular illumination in a dark room. Researchers determined each person's visual acuity and contrast sensitivity. Data were captured over 4–5 visits per person at monthly intervals (1 test per visit).	✓		
Kiser et al. 2005 ⁴	ETDRS visual acuity test, dim	Standard test, dim illumination in a dark room. Researchers determined each person's visual acuity and contrast sensitivity. Data were captured over 4–5 visits per person at monthly intervals (1 test per visit).	✓		

CCT=Chow Color Test; ETDRS=Early Treatment of Diabetic Retinopathy Study test; FLORA=Functional Low-Vision Observer Rated Assessment; GAT=grating acuity test