

## Performance Test Results

Manufacturer & Model	Legibility Distance All Occupants	Legibility Distance Front Seat Occupants	NTPEP Legibility Distance	Angularity Distance & Angle $\emptyset^{**}$	NTPEP Angularity Angle	
Daktronics VP-1400*	650'	650'	910'	75' / 18°	23°	
Wanco WTLMB-S-LL	807'	806'	834'	75' / 18°	10.2°	
ADDCO DH 1000	799'	804'	1023'	125' / 11°	9.3°	
Ver-Mac 1210	727'	735'	849'	150' / 9°	11.6°	
Ver-Mac 1500	720'	729'	872'	100' / 13°	12.3°	
American Signal T333	729'	732'	851'	100' / 13°	22.7°	
Precision Solar SMC 1000 HE	742'	745'	947'	150' / 9°	9.2°	
Solar Technology Silent Messenger MB-4048	681'	678'	817'	50' / 26°	11.8°	

\*Limited evaluation.

\*\*See MnROAD Layout file for description.

### Evaluator Comments

In General:

- More spacing between characters is better. ADDCO and Precision Solar have most.
- Defining when a sign can be read is very judgmental.
- All fairly similar.

Ver-Mac 1500:

- Brightest letters.
- Easiest to read.

Solar Technology:

- Lots of glare.
- Had glare problems.
- Had most glare.
- Has more background light (glare?)
- Foggy appearing.

Precision Solar:

- Some glare.
- Not as bright as other signs, but spacing is good.

Ver-Mac 1210:

- Seems like tight spacing.
- Close spacing.

Wanco:

- Has the advantage of being first.
- Very little contrast.

ADDCO DH1000 Flip Disk Solar. Though not asked to, people did comment on this device:

- Green very visible in sun glare.
- Best by far.
- Letters scrunched together.