

Display Model Number 956: AR Film

Test Conditions	Dark Room Data			Sunlight Condition MIL-STD-3009				LED Backlight Data			NVIS (MIL-L-3009)		
	Luminance ² (Nits)	Luminance ³ (Nits)	Contrast Ratio	Weber Contrast	Contrast Ratio	Direct Sunlight Only ⁴ Contrast	Display Class (0-6)	Rail Temperature °C	Power (Watts)	LED MTBF (Hours)	U', V'	Error Radius	NVIS Radiance B (nw/cm ² /sr)
OEM Performance ¹ (No modifications)	350		800	-	-	-	-	14.16	50,000 (min)	-	-	-	All tests performed at 25° C ambient
OEM Brightness	350	455	1522	2.88	3.88	6.16	3	9.07	118,000	0.181, 0.526	0.037	0.95	
OEM Power	485	613	1078	3.64	4.64	7.36	4	12.65	118,000				
1000 Nits	1000	-	-	-	-	-	-	-	118,000				
50° C Rail Temperature ⁵	748	932	813	5.38	6.38	9.7	5	50°	22.13	118,000			

Display Model Number 956-1: Unbonded Circular Polarizer with 1/4Wave Retarder and AR

Test Conditions	Dark Room Data			Sunlight Condition MIL-STD-3009				LED Backlight Data			NVIS (MIL-L-3009)		
	Luminance ² (Nits)	Luminance ³ (Nits)	Contrast Ratio	Weber Contrast	Contrast Ratio	Direct Sunlight Only ⁴ Contrast	Display Class (0-6)	Rail Temperature °C	Power (Watts)	LED MTBF (Hours)	U', V'	Error Radius	NVIS Radiance B (nw/cm ² /sr)
OEM Performance ¹ (No modifications)	350		800	-	-	-	-	14.16	50,000 (min)	-	-	-	All tests performed at 25° C ambient
OEM Brightness	-	-	-	-	-	-	-	-	118,000	0.203, 0.495	0.014	-	
OEM Power	-	-	-	-	-	-	-	-	118,000				
1000 Nits	1000	-	-	-	-	-	-	-	118,000				
50° C Rail Temperature ⁵	-	-	-	-	-	-	-	50°	-	118,000			
Additional Brightness	459	-	956	3.31	4.31	7.34	4	128.52	118,000				

1 Based on LCD manufacturer's published specifications for OEM configuration

2 Video controller black level and contrast set to 50/50, respectively, for optimal brightness/contrast performance

3 Video controller black level and contrast set to 100/100 (not optimal operating condition)

4 Simulates direct sunlight interaction ONLY

5 May require active and/or passive cooling to prevent LCD from overheating; speak with Application Engineer for consultation