

# DLA/ARMY SHADE TOLERANCE PROJECT

May 6, 2024

**Fabric Nomenclature**

**CLOTH, DUCK, TEXTURED NYLON,  
500 DENIER**

**MIL-DTL-32439**

**Shade Number**

**TAN 499**

**Piece/Roll Number**

**3890**

**Equipment Type**

**HUNTER ULTRA SCAN PRO**

**Setting**

**Mode: Specular Included -  
Reflectance  
UV Filter – OUT UV Lamp OFF**

	ID	Descriptor	L*	a*	b*	c	h	dL*	da*	db*	dEcmc*
Standard	3890	STANDARD	47.51	1.40	12.57						
Tolerance											
1	3890A	THIN YELLOW LIMIT	50.38	0.84	12.77			2.87	-0.56	0.20	1.55
2	3890B	RED LIMIT	47.84	1.50	11.69			0.33	0.10	-0.88	0.72
3	3890C	THIN RED LIMIT	45.61	1.08	13.39			-1.90	-0.32	0.82	1.19
4	3890D	BLUE/GREEN LIMIT	44.78	0.70	12.21			-2.73	-0.70	-0.36	1.58
5	3890E	THIN BLUE LIMIT	48.33	0.95	11.97			0.82	-0.45	-0.60	0.81
6	3890F	THIN RED LIMIT	49.08	1.76	12.02			1.57	0.36	-0.55	1.01
7											
8											
9											

**COMMENTS:**

**NUMBERS ARE FOR REFERENCE ONLY**