

APPENDIX B

ILLUMINATION AND SMOKE CAPABILITIES

This appendix provides reference charts depicting the characteristics of the following artillery and mortar special munitions: illumination and smoke.

ILLUMINATION

TYPE	RANGE (METERS)		BURN TIME (SECONDS)	RATE OF CONTINUOUS ILLUMINATION (ROUNDS/MINUTE)	DIAMETER OF AREA ILLUMINATED (METERS)
	MINIMUM	MAXIMUM			
107-mm/ M335A2	440	5,490	90	1	800
105-mm/ M314A3	—	11,500	60	2	800
155-mm/ M485A2	—	17,500	120	1	1,000
120-mm/ M91	200	7,100	60	2	1,500
M930	200	7,200	60	2	1,500
81-mm/ M853	300	5,060	60	2	650
M301A3	100	950	60	2	360
60-mm/ M721	200	3,500	25	4	500
M83A3	725	950	25	4	300

SMOKE

DELIVERY SYSTEM	TYPE ROUND	TIME TO BUILD EFFECTIVE SMOKE (MINUTES)	AVERAGE BURNING TIME (MINUTES)
155-mm	WP (M110A1)	1/2	1 to 1 1/2
	smk (M825)	1/2	5 to 10
105-mm	WP	1/2	1 to 1 1/2
	HC	1 to 1 1/2	3
107-mm/120-mm	WP	1/2	1
81-mm	WP	1/2	1
60-mm	WP	1/2	1