

Laser Parameters

Measurement	Value	Units
Operating Mode	CW	
Beam Shape	Circular	
Wavelength	1064	nm
Average Power	4	W
Primary Axis Divergence	0.5	mrad

Eye Hazards

Aided/Unaided Viewing	Unaided	
MPE:H (Radiant Exposure)	Invalid MPE	J/cm ²
MPE:E (Irradiance)	0.005	W/cm ²
Limiting Diameter	0.7	cm
NOHD	63818.5	cm
Maximum Exposure Distance	0	cm

Eye Hazards at Range

Intensity	3.43645588354	W
Irradiance	20.3697957362	W/cm ²
Irradiance Through Aperture	8.92945209113	W/cm ²
OD at Range	3.25	
Range	10	cm

Eye NHZ

NHZ Specular Target Reflection	63718.5	cm
NHZ Diffuse Target Reflection	16	cm
Range from Laser to Target	100	cm
Reflection Coeff. of Target	1	
NHZ Diffuse Barrier Reflection	16	cm
Range from Target to Barrier	100	cm
Reflection Coeff. of Barrier	1	

Skin Hazards

MPE:H (Radiant Exposure)	Invalid MPE	J/cm ²
MPE:E (Irradiance)	1	W/cm ²
Limiting Diameter	0.35	cm
NSHD	63818.5	cm
Maximum Exposure Distance	0	cm

Skin Hazards at Range

Intensity	1.54937435755	W
Irradiance	20.3697957362	W/cm ²
Irradiance Through Aperture	16.1038751154	W/cm ²
OD at Range	1.21	
Range	10	cm

Skin NHZ

NHZ Specular Target Reflection	1861	cm
NHZ Diffuse Target Reflection	0	cm
Range from Laser to Target	100	cm
Reflection Coeff. of Target	1	
NHZ Diffuse Barrier Reflection	0	cm
Range from Target to Barrier	100	cm
Reflection Coeff. of Barrier	1	