

Trajectory (Simplified)										
Input Data										
Manufacturer:			Sierra Description:				MatchKing™ (Litz)			
Caliber:			0.277 in Weight:				135.0 gr			
Ballistic Coefficient:			0.253 G7 (ICAO)							
Muzzle Velocity:			3060.0 ft/s							
Sight Height:			1.50 in Line Of Sight Angle:				0.0 deg			
Cant Angle:			0.0 deg							
Wind Speed:			10.0 mph Target Speed:				10.0 mph			
Temperature:			59.0 °F Pressure:				29.92 in Hg			
Humidity:			0 % Altitude:				0.0 ft			
Std. Atmosphere at Altitude:			No Pressure is Corrected:				Yes			
Zero at Max. Point Blank Range:			No Target Relative Drops:				Yes			
Column 1 Units:			1.00 in Column 2 Units:				1.00 MOA			
Round Output to Whole Numbers:			No							
Output Data										
Elevation:			3.282 MOA Windage:				0.000 MOA			
Atmospheric Density:			0.07647 lb/ft³ Speed of Sound:				1116.4 ft/s			
Maximum PBR:			371 yd Maximum PBR Zero:				315 yd			
Range of Maximum Height:			174 yd Energy at Maximum PBR:				2303.1 J			
Sectional Density:			0.251 lb/in²							
Calculated Table										
Range	Drop	Drop	Windage	Windage	Velocity	Mach	Energy	Time	Lead	Lead
(yd)	(in)	(MOA)	(in)	(MOA)	(ft/s)	(none)	(J)	(s)	(in)	(MOA)
0	-1.5	***	0.0	***	3060.0	2.741	3804.9	0.000	0.0	***
100	-0.0	-0.0	0.6	0.5	2868.5	2.569	3343.7	0.101	17.8	17.0
200	-2.7	-1.3	2.3	1.1	2682.9	2.403	2925.0	0.209	36.9	17.6
300	-10.3	-3.3	5.5	1.7	2503.8	2.243	2547.4	0.325	57.2	18.2
400	-23.4	-5.6	10.1	2.4	2331.5	2.088	2208.8	0.449	79.1	18.9
500	-42.9	-8.2	16.3	3.1	2166.3	1.940	1906.9	0.583	102.6	19.6
600	-69.9	-11.1	24.4	3.9	2008.2	1.799	1638.7	0.727	127.9	20.4
700	-105.5	-14.4	34.5	4.7	1856.3	1.663	1400.3	0.882	155.2	21.2
800	-151.2	-18.0	46.8	5.6	1710.0	1.532	1188.3	1.050	184.9	22.1
900	-208.8	-22.2	61.8	6.6	1568.9	1.405	1000.2	1.234	217.1	23.0
1000	-280.6	-26.8	79.8	7.6	1433.1	1.284	834.5	1.434	252.3	24.1
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