Detection Characteristics MarkOne Beacon V1.1 with Case⁽¹⁾ IR-LOCK Sensor

The **MarkOne** beacon system enables reliable target detection and tracking in any lighting condition, including bright sunlight and complete darkness. The **IR-LOCK Sensor** can interface with virtually any electronics hardware via I2C, SPI, UART, USB, or Analog.

PINY

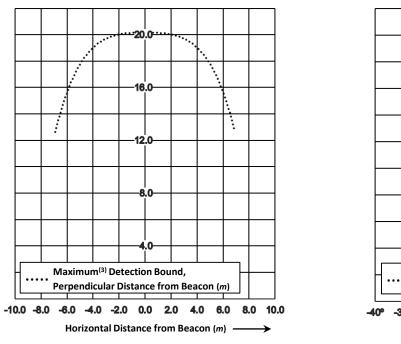


IR-LOCK Sensor

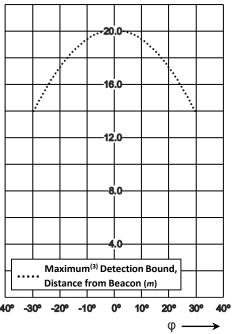
MarkOne Beacon V1.1

Detection half angle, ϕ : >30° Maximum detection range at ϕ =0°: 20.1m Lens focal length: 3.6mm

Detection Characteristics⁽²⁾, Cartesian



Detection Characteristics⁽²⁾, Angular



(1) The IR-LOCK Case is recommended for optimal outdoor performance.

(2) Test Conditions:

- Outdoors in moderate sunlight
- Sensor Firmware: MarkOneBeta_1.0.1.hex
- Max detection range decreases slightly in bright sunlight conditions. Use case for optimal performance.
- (3) Detection range may extend further than maximum detection bound, but with reduced detection rate.

Website: <u>www.irlock.com</u> Product Information: <u>http://bit.ly/MarkOneV11</u> Commercial Inquiries: sales@irlock.com Technical Questions: info@irlock.com

