

850 MHz Sphere

Model Number:

Omnidirectional In-Building Antenna

I0850

Specifications:

Element Type	Air-Loaded Patch
Frequency Range	824-896 MHz
Peak Gain	3 dBi
Polarization¹	Linear
Impedance	50 ohms
Maximum Input Power	50 watts
VSWR (Min. Performance)	2.0:1
Dimensions (L x W x H)	13.6 x 10.5 x 5.1 cm
Housing	ABS
Operating Temperature	-40° to +70°C
Storage Temperature	-40° to +70°C

¹Contains both vertical and horizontal components, the ratio of which varies with the spatial location.



10.5 cm

Mounting:

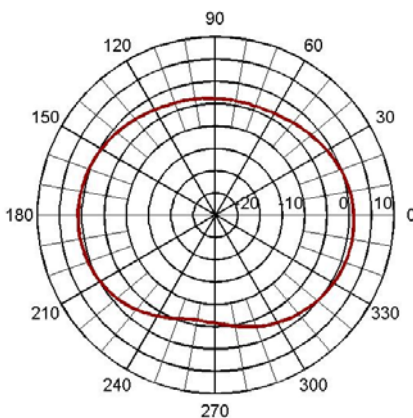
- Includes metal twist-lock bracket for mounting to a ceiling tile grid

Cables & Connectors:

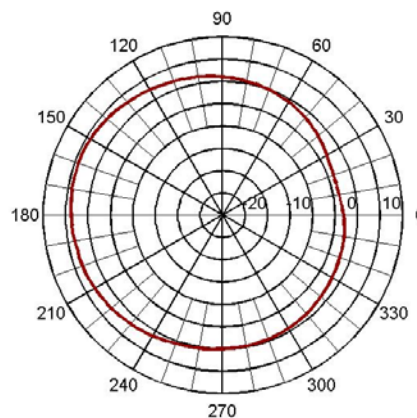
Model #	Reference #	Plenum Rated Coax	Connector
I0850-SM36	CAF95984	36" RG-142	SMA-Male
I0850-NF36	CAF94191	36" RG-142	N-Female



Pattern data files for SitePlanner are available at www.centurion.com or www.wirelessvalley.com.

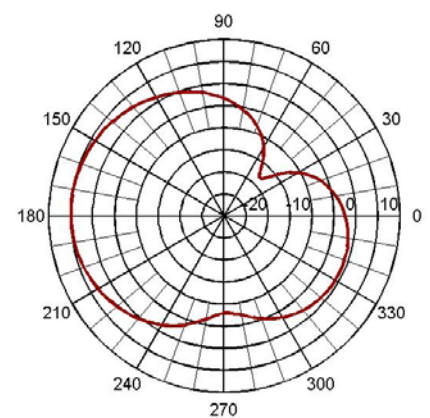


Azimuth Plane



**Elevation Plane
 $\phi = 0$**

Cut perpendicular to the antenna along the cable axis



**Elevation Plane
 $\phi = 90$**

Cut perpendicular to the antenna along the cable axis

Specifications subject to change without notice.

I0850a - 4/30/04