Wireshark Capture for Windows 8 Client

The address appears to have a /128 (ff ff ff ff ff ff ff ff)

Ethernet adapter PC1:

Connection-specific DNS Suffix . : 2001::6c64:5eb9:49bf:bc09 <= One of my IPv6 addresses
IPv6 Address . . . . . . . . . . . : 2001::f9d7:10c4:9bff:68f7
Temporary IPv6 Address . . . . : 2001::e1a9:cfcb:3f01:122e
Link-local IPv6 Address . . . . : fe80::f9d7:10c4:9bff:68f7%11
Autoconfiguration IPv4 Address. . : 169.254.104.247
Subnet Mask . . . . . . . . . . . : 255.255.0.0
Default Gateway . . . . . . . . . : fe80::c801:17ff:fed0:8%11

Wireshark Capture for Cisco IOS Client

GigabitEthernet0/0 is up, line protocol is up
IPv6 is enabled, link-local address is FE80::C802:1FF:FE98:8
No Virtual link-local address(es):
Global unicast address(es):
Joined group address(es):
- FF02::1
- FF02::2
- FF02::1:FF98:8
- FF02::1:FFBA:91C2

MTU is 1500 bytes
ICMP error messages limited to one every 100 milliseconds
ICMP redirects are enabled
ICMP unreachables are sent
ND DAD is enabled, number of DAD attempts: 1
ND reachable time is 30000 milliseconds (using 30000)
ND RAs are suppressed (periodic)

Hosts use stateless autoconfig for addresses.

The captures appear to be the same between the address delivered to the Windows 8 client and the Cisco IOS client. However, the Windows PC can ping the DHCP server but it cannot ping R2. The DHCP server cannot ping R2. What I found to be the reason for why R2, the Cisco IOS, cannot ping either the PC or the DHCP server has to do with the fact that IPv6 unicast-routing is enabled on R2. When I disable IPv6 unicast-routing on R2 pinging works.