In [283]: runfile('/Users/jonathanroy/Desktop/STARS.py',
wdir='/Users/jonathanroy/Desktop')

Original Image
--Goal: Find North Star

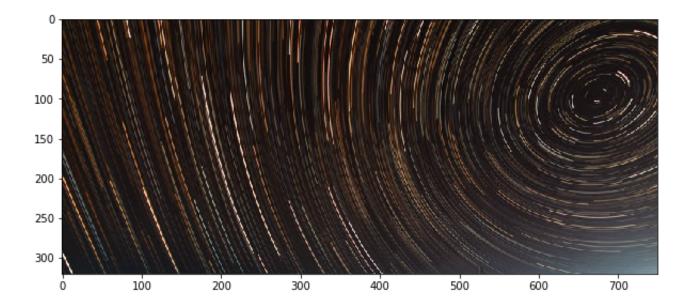
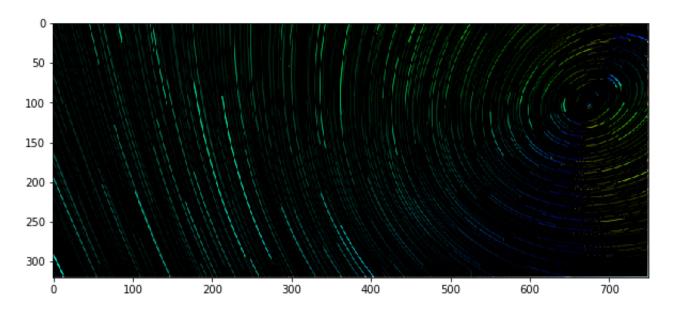
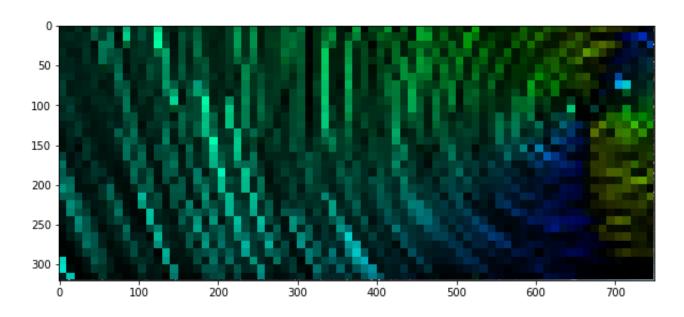


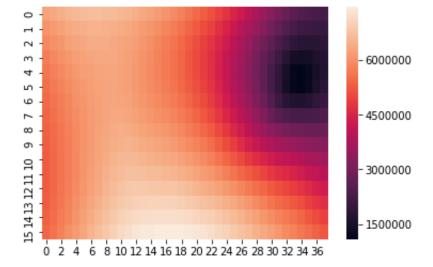
Image after edge detection
--Color represents orientation of edge

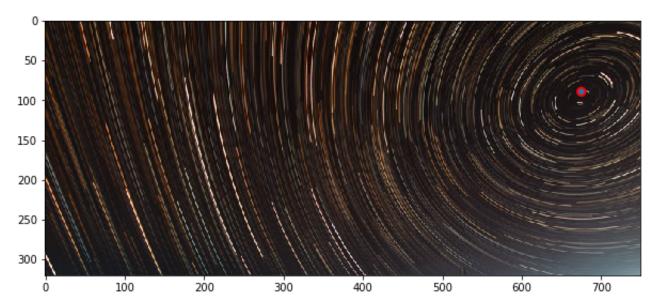


Scaled down edge detected image ——Scaling down the image into fewer pixels allows search for minimum to run faster



Heatmap representing cost function over image ——The cost function is minimized using the Nelder—Mead method





North Star Coordinates: [89, 675]

In [284]: