



Red Line Boundary

Proposed Varied Development

Proposed Turbine to be Fitted with Visible Aviation Lighting

20km Detailed Study Area

5 km Distance Radii

## **Visual Receptor Locations Scoped In** Assessment

- Visible Aviation Lighting Photomontage Viewpoint
- Viewpoint

····· Core Path

----- Scottish Hill Track (SHT)

Public Road

Residential Receptor Locations (RRLs)

## **Lighting Intensity ZTV**

Vertical Angle of Lighting from hub (132m)	Turbine Lighting Intensity 2000cd light	Turbine Lighting Intensity 200 cd light
3 degrees to 0 degrees	2200/2500cd	220/250cd
0 degrees to -1 degrees	2200/980cd	220/98cd
-1 degrees to -2 degrees	980/420cd	98/42cd
-2 degrees to -3 degrees	420/220cd	42/22cd
-3 degrees to -4 degrees	220/170cd	22/17cd
Below -4 degrees	Below 170cd	Below 17cd

Perception of theoretical candela intensity does not take account of

uistance.

No landform within study area exists at greater than +3 degrees vertical line of sight from the turbine lighting.

Scale 1:170,000@ A3

**Figure A5.11-5 Visible Aviation Lighting: Visual Receptors with Theoretical Intensity ZTV** 

**Achany Extension Wind Farm Section 36C: EIA Report**