

## Key

- Red Line Boundary
- Proposed Varied Development Turbine
- Proposed Turbine to be Fitted with Visible Aviation Lighting
- 40km Wider Study Area
- 20km Detailed Study Area
- 5 km Distance Radii
- Visible Aviation Lighting Photomontage Viewpoint

Viewpoint Locations:

VP6: Rosehall  
VP9: Achnairn caravan and camping site entrance  
VP12: Glencassley road by Langwell Hill

## Lighting Intensity ZTV

Vertical Angle of Lighting from hub (152m)	Turbine Lighting Intensity 2000cd light	Turbine Lighting Intensity 230 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

Note:  
Perception of theoretical candela intensity does not take account of distance.  
No landform within study area exists at greater than +3 degrees vertical line of sight from the turbine lighting.

Scale 1:325,000@ A3

0 5 10 15 Km



**Figure A5.11-2**  
**Visible Aviation Lighting:**  
**Theoretical Intensity ZTV**

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

