

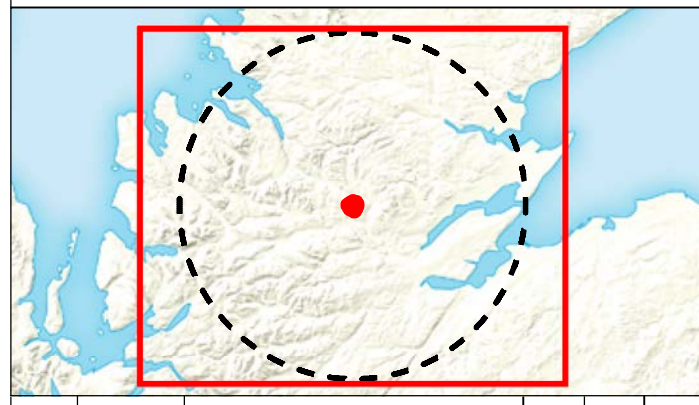
**Legend:**

- Proposed Turbine
  - Lit Turbines (Cardinal Lights)
  - Viewpoints
  - 45km radius Study Area
  - 5km radius Study Area
- Visibility & Light Intensity**
- 0 to -1 (reducing from 200 to 75 candela)
  - 1 to -2 (reducing from 75 to 8 candela)
  - 3 to -4 (reducing from 4 to 0 candela)
  - 2 to -3 (reducing from 8 to 4 candela)
  - 0 to 3 (200 candela)

- Viewpoint List**
- 1 Aultgish Inn, A835
  - 2 Old Drivers Road, Corriemoillie
  - 3 A835, Near Tarvie
  - 4 A832 Gorstan
  - 5 Summit of Sgurr Marcasaidh
  - 6 Summit of Ben Wyvis
  - 7 Avenue of Fairburn Estate
  - 8 Summit of Sgurr a Mullin
  - 9 Summit of Beinn a Bha'ach Ard
  - 10 Sgurr a Choire Ghlais
  - 11 Summit of Moruisg
  - 12 Leathad Buidhe, Beinn Eighe NNR
  - 13 Summit of An Colleachan, Fannich range
  - 14 Summit of Beinn Dearg
  - 15 Summit of Beinn a Chaisteil
  - 16 Summit of Meall Mor
  - 17 Layby, Loch Glascarnoch
  - 18 Summit of An Teallach
  - 19 Little Wyvis

Notes:  
 1. Intensity values are unmitigated  
 2. No receptor locations identified over B  
 3. Angles below  $4^{\circ}$  degree below 10 candela  
 4. The ZTV analysis does not take into account the screening effect of vegetation, buildings and other surface features  
 5. Predicted visibility based on a viewer eye height 2m above ground  
 6. Visibility calculated using Ordnance Survey Terrain 50 DTM on a 5m Grid  
 7. Effect of earth curvature and light refraction is included

This map contains data from the following sources:  
 Coordinate System: British National Grid  
 Projection: Transverse Mercator  
 Datum: OSGB 1936  
 Units: Metre



Rev	Date	Description	Dm	CHK	App
01	02/10/2019	First Draft	GM	RB	RB

**Kirkan Wind Farm**

TITLE:  
 Figure 5.1: Lighting Intensity - Cardinal Lights

0 5,000 10,000 Metres

SCALE: 1:165,000 @ A1

REV 00