



# CMF / CRF Details

**CMF ID: 193**

**Provide highway lighting**

**Description:**

**Prior Condition:** *No Prior Condition(s)*

**Category:** Highway lighting

**Study:** [Handbook of Road Safety Measures, Elvik, R. and Vaa, T., 2004](#)

**Star Quality Rating:**

## Crash Modification Factor (CMF)

**Value:** 0.83

**Adjusted Standard Error:** 0.07

**Unadjusted Standard Error:**

## Crash Reduction Factor (CRF)

**Value:** 18 (*This value indicates a **decrease** in crashes*)

**Adjusted Standard Error:** 7

**Unadjusted Standard Error:**

**Applicability**

<b>Crash Type:</b>	Nighttime
<b>Crash Severity:</b>	0 (property damage only)
<b>Roadway Types:</b>	All
<b>Number of Lanes:</b>	
<b>Road Division Type:</b>	
<b>Speed Limit:</b>	
<b>Area Type:</b>	All
<b>Traffic Volume:</b>	
<b>Time of Day:</b>	

*If countermeasure is intersection-based*

<b>Intersection Type:</b>	
<b>Intersection Geometry:</b>	
<b>Traffic Control:</b>	
<b>Major Road Traffic Volume:</b>	
<b>Minor Road Traffic Volume:</b>	

<b>Development Details</b>	
<b>Date Range of Data Used:</b>	
<b>Municipality:</b>	
<b>State:</b>	
<b>Country:</b>	
<b>Type of Methodology Used:</b>	9
<b>Sample Size Used:</b>	

## Other Details

**Included in Highway Safety Manual?**

Yes. HSM lists this CMF in **bold** font to indicate that it has the highest reliability since it has an adjusted standard error of 0.1 or less.

**Date Added to Clearinghouse:**

Dec-01-2009

**Comments:**

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