



CMF / CRF Details

CMF ID: 8321

increase intersection illuminance from low (< 0.2 fc) to medium (≥ 0.2 fc and

Description: Increase intersection illuminance 13 from low (< 0.2 fc) to medium (≥ 0.2 fc and

Prior Condition: Signalized intersections with lower illuminance (

Category: Highway lighting

Study: [Safety Effects of Street Illuminance at Urban Signalized Intersections in Florida, Wei et al., 2016](#)

Star Quality Rating:

8 Stars

[\[View score details\]](#)

Crash Modification Factor (CMF)

Value: 0.48

Adjusted Standard Error:

Unadjusted Standard Error:

Crash Reduction Factor (CRF)

Value: 52 (This value indicates a **decrease** in crashes)

Adjusted Standard Error:

Unadjusted Standard Error:

Applicability

Crash Type: Nighttime

Crash Severity: All

Roadway Types: Not specified

Number of Lanes:

Road Division Type:

Speed Limit:

Area Type: Urban

Traffic Volume:

Time of Day: Night

If countermeasure is intersection-based

Intersection Type:

Intersection Geometry: 4-leg

Traffic Control: Signalized

Major Road Traffic Volume: 5167 to 67508 Annual Average Daily Traffic (AADT)

Minor Road Traffic Volume: 1300 to 56387 Annual Average Daily Traffic (AADT)

Development Details

Date Range of Data Used: 2010 to 2013

Municipality: Tampa

State: FL

Country:

Type of Methodology Used:	7
Sample Size Used:	

Other Details	
Included in Highway Safety Manual?	No
Date Added to Clearinghouse:	Jan-17-2017
Comments:	

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