



CMF / CRF Details

CMF ID: 8479

Improve lighting

Description:

Prior Condition: Illuminance ≥ 0.2 fc and < 1.1 fc

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:	1.158
Adjusted Standard Error:	
Unadjusted Standard Error:	

Crash Reduction Factor (CRF)	
Value:	-15.8 (This value indicates an increase in crashes)
Adjusted Standard Error:	
Unadjusted Standard Error:	

Applicability

Crash Type: Other

Crash Severity: All

Roadway Types: Not specified

Number of Lanes:

Road Division Type:

Speed Limit:

Area Type: Urban

Traffic Volume:

Time of Day: All

If countermeasure is intersection-based

Intersection Type: Roadway/roadway (not interchange related)

Intersection Geometry: 3-leg,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: USA

Type of Methodology Used: 7

Sample Size Used:	
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Other Details	
Included in Highway Safety Manual?	No
Date Added to Clearinghouse:	Jan-17-2017
Comments:	CMF applies for increasing illuminance from medium (≥ 0.2 fc to < 1.1 fc) to high (≥ 1.1 fc)

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