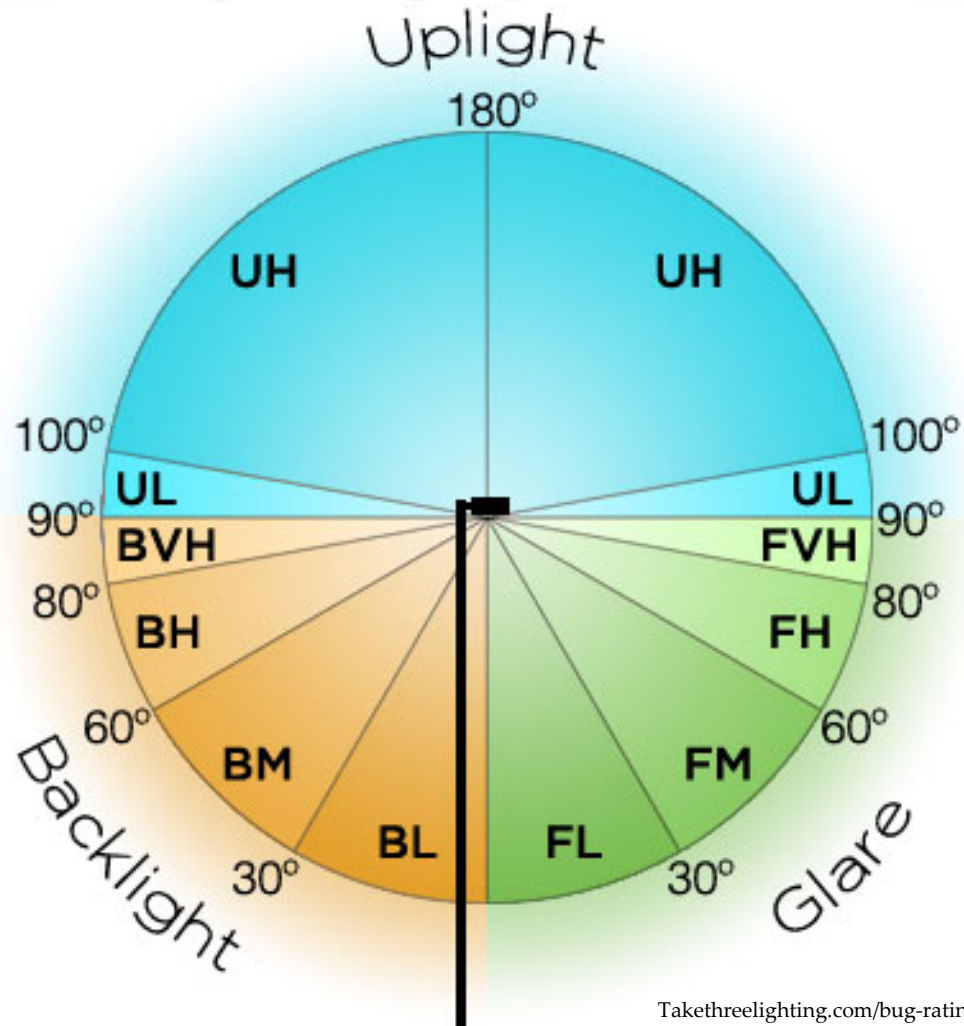


B.U.G. Ratings

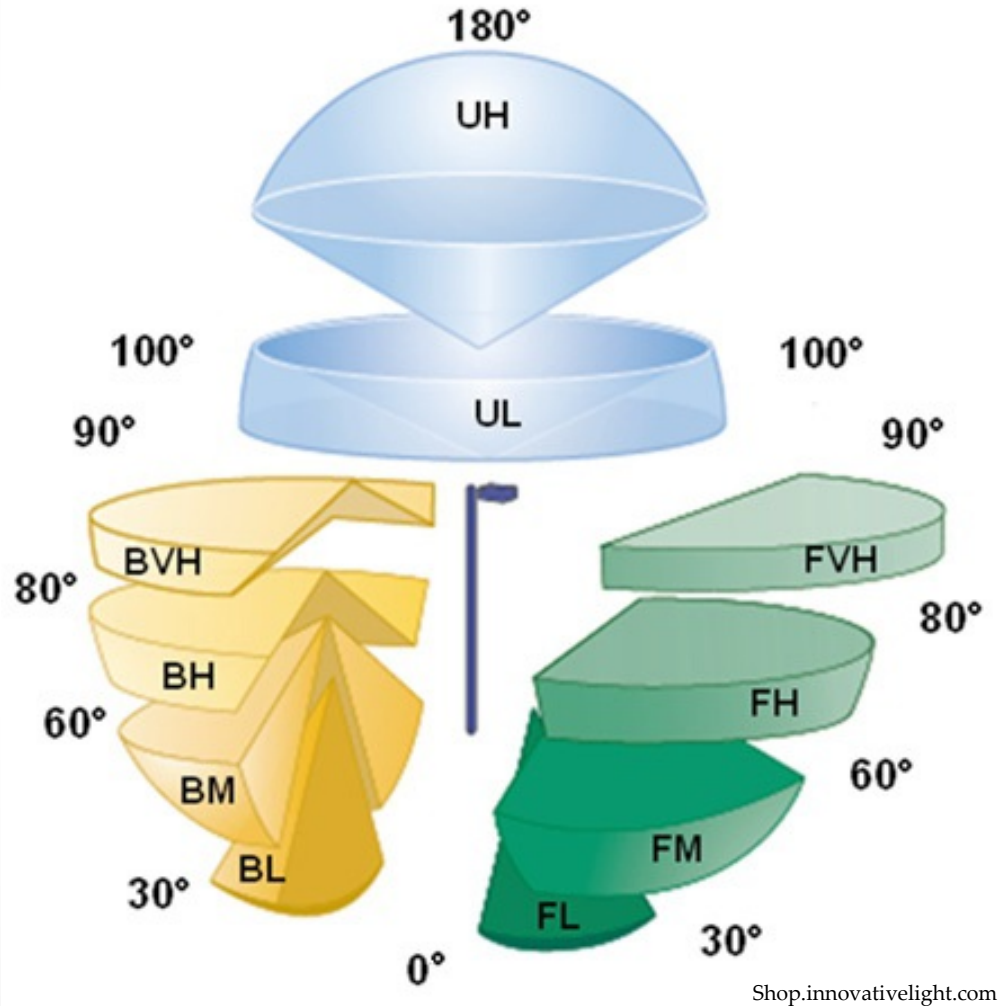
(Backlight, Uplight, and Glare)



Takethreelighting.com/bug-rating

B.U.G. Ratings

(Backlight, Uplight, and Glare)



Illuminating Engineering Society

Cutoff Classifications

- Full Cutoff: 0% light at 90* or above
- Cutoff: Maximum of 2.5% at 90*
- Semi-cutoff: Maximum of 5% at 90*
- Non-cutoff: No limitation

Proposed Lighting (details from Exhibit E)

LCS Table

BUG Rating

B1 - U3 - G3

Forward Light

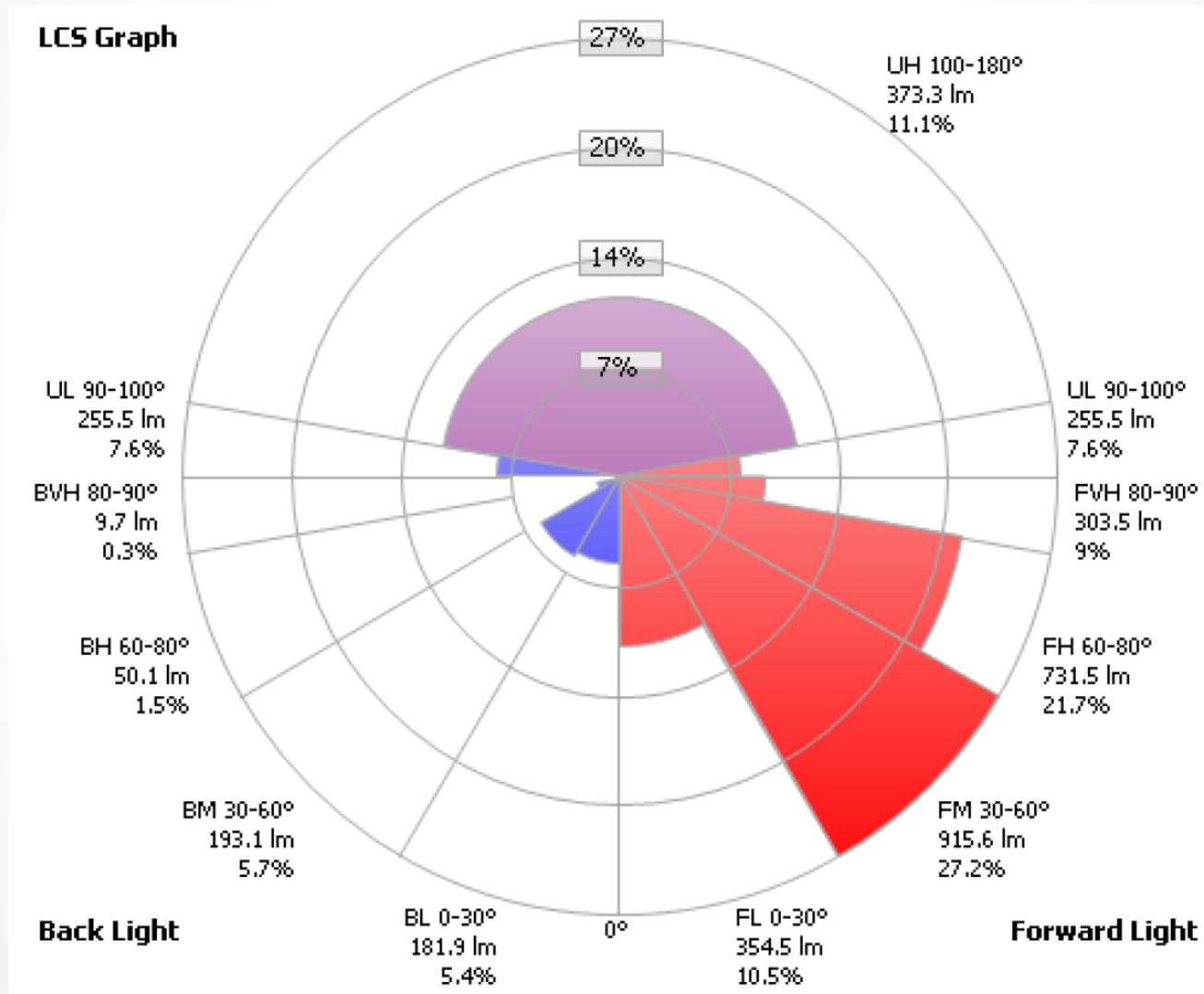
	Lumens	Lumens %
Low(0-30):	354.5	10.5%
Medium(30-60):	915.6	27.2%
High(60-80):	731.5	21.7%
Very High(80-90):	303.5	9%
Back Light		
Low(0-30):	181.9	5.4%
Medium(30-60):	193.1	5.7%
High(60-80):	50.1	1.5%
Very High(80-90):	9.7	0.3%
Uplight		
Low(90-100):	255.5	7.6%
High(100-180):	373.3	11.1%
Trapped Light:		
	0.1	0%

Proposed Lighting (details from Exhibit E)

Roadway Summary

Distribution:	TYPE IV, VERY SHORT	
Max Cd, 90 Deg Vert:	933.2	
Max Cd, 80 to <90 Deg:	1,003.3	
	Lumens	% Lamp
Downward Street Side:	2,305.0	68.4%
Downward House Side:	434.8	12.9%
Downward Total:	2,739.9	81.3%
Upward Street Side:	611.9	18.2%
Upward House Side:	16.9	0.5%
Upward Total:	628.7	18.7%
Total Lumens:	3,368.6	100%

Proposed Lighting



Proposed Lighting

