

Table 1 Tolerance Example

Example results for an Outdoor - Mid Output Outdoor Pole/Arm-Mounted Area and Roadway Luminaires product:

Metric	DLC Technical Requirements	Results	Tolerance	Assessment with Tolerance
Lumens	1000 lm	900 lm	-9.6%	≥904 lm, 900 lm fails
Efficacy	70 lm/w	55 lm/w	-3%	≥67.9lm/w, 55lm/w fails
CCT*	≤5700K	6025K	Defined by ANSI C78.377-2011*	≤6022K, 6025K fails
CRI	65	62	-2 points	≥63, 62 fails
PF	.9	.86	-3%	≥.87, .86 fails
THD	15%	27%	+5%	≤25%, 27% fails
Zonal Lumens	0-90: 100% 80-90: ≤10%	0-90°: 98.3% 80-90°: 15.5%	0-90°:-1% 80-90°:+3%	0-90°: ≥99%, 98.3% fails 80-90: ≤13%, 15.5% fails

*ANSI C78.377-2011 also referred to for D_{uv} and (x,y) chromaticity coordinates tolerances for indoor categories.

**Lumen maintenance will be evaluated by whether or not the product meets the lumen maintenance requirements with the testing results

Table 2 Tolerance Example

Example results for an Outdoor - Mid Output Outdoor Pole/Arm-Mounted Area and Roadway Luminaires product:

Metric	DLC Technical Requirements	Listed Values	Results	Limit Type & Tolerance	Assessment with Tolerance
Lumens	1000 lm	15000lm	13000lm	LCV, -9.6%	≥13650lm, 13000lm fails
Wattage	N/A	150W	165W	UCV, +12.6%	LCV: 129.6W UCV: 168.9W 165W passes
Efficacy	70 lm/w	100lm/w	78.79lm/w	N/A	N/A
CCT	≤5700K	5600K	5775K	LCV & UCV, +/- 8.1%	LCV: 5146.4K UCV: 6022K* 5775K passes
CRI	65	73	68	LCV, -5.9%	LCV: 68.693, 68 fails
PF	.9	.93	.91	LCV, -5%	LCV: .88, .91 passes
THD	15%	11%	16%	UCV, +10%	UCV: 21%, 16% passes
Zonal Lumens	0-90°: 100% 80-90°: ≤10%	0-90°: 100% 80-90°: .5%	0-90°:99.5% 80-90°: .75%	LCV & UCV, +/- 9.6%	LCV: 99%** UCV:N/A

*Actual UCV value based on +8.1% is 6053.6K, but UCV is limited by DLC CCT requirement (based on ANSI C78.377-2011)

**Actual LCV value based on -9.6% is 90.4%, but LCV is limited by DLC zonal lumen requirement