



8165 E Kaiser Blvd. Anaheim, CA 92808  
www.lightlaboratory.com

Report No: L022010905TM30

Date: 2/21/2020



## ANSI/IES TM-30-18 Color Rendition Report

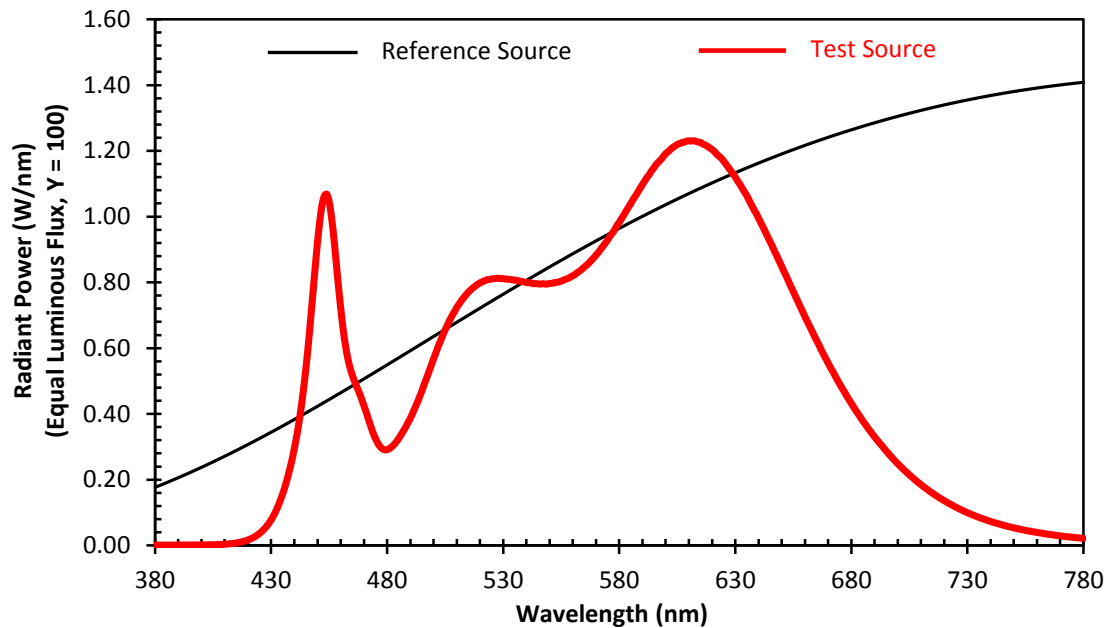
Report No:	L022010905TM30
Prepared For:	Vode Lighting 21684 8th Street East, Suite 700, Sonoma, CA 95476
Model Number:	207-BX-48-Z-SO-359-G1BB
Testing Lab:	Light Laboratory Inc.
Reference report No:	L022010905
Remark:	This report is based on the data from Light Laboratory Inc. report L022010905
Standard Used:	ANSI/IES TM-30-18: IES Method for Evaluating Light Source Color Rendition

### Results Summary

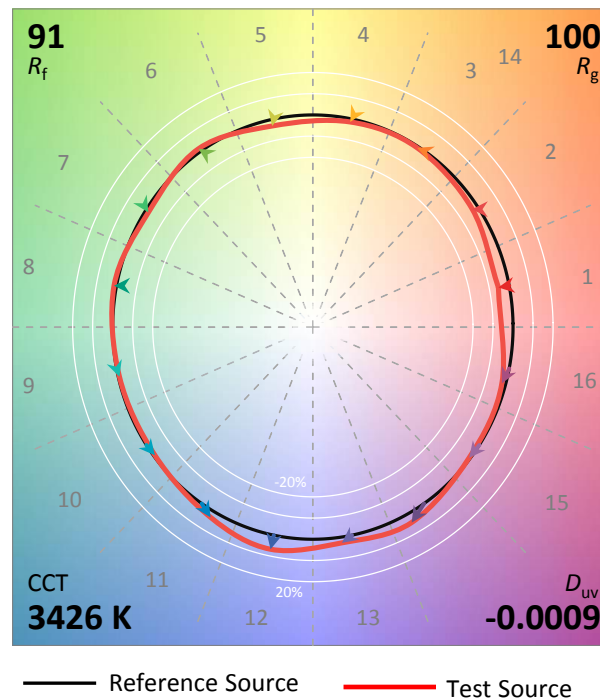
Metric	Result	Notes
$R_f$	91	IES TM-30-18 Fidelity Index
$R_g$	100	IES TM-30-18 Gamut Index
$R_a$	94	CIE 13.3-1995(CRI)
$R_9$	55.08	CIE Test Color Method Sample Nine Score
CCT	3426	Correlated Color Temperature
$D_{uv}$	-0.0009	Distance from the blackbody locus
$x$	0.4085	CIE 1931 chromaticity coordinate
$y$	0.3901	CIE 1931 chromaticity coordinate
$u'$	0.2380	CIE 1976 chromaticity coordinate
$v'$	0.5115	CIE 1976 chromaticity coordinate

\*All Results in accordance to IES TM-30-18: IES Method for Evaluating Light Source Color Rendition

### SPECTRAL POWER DISTRIBUTION COMPARISON

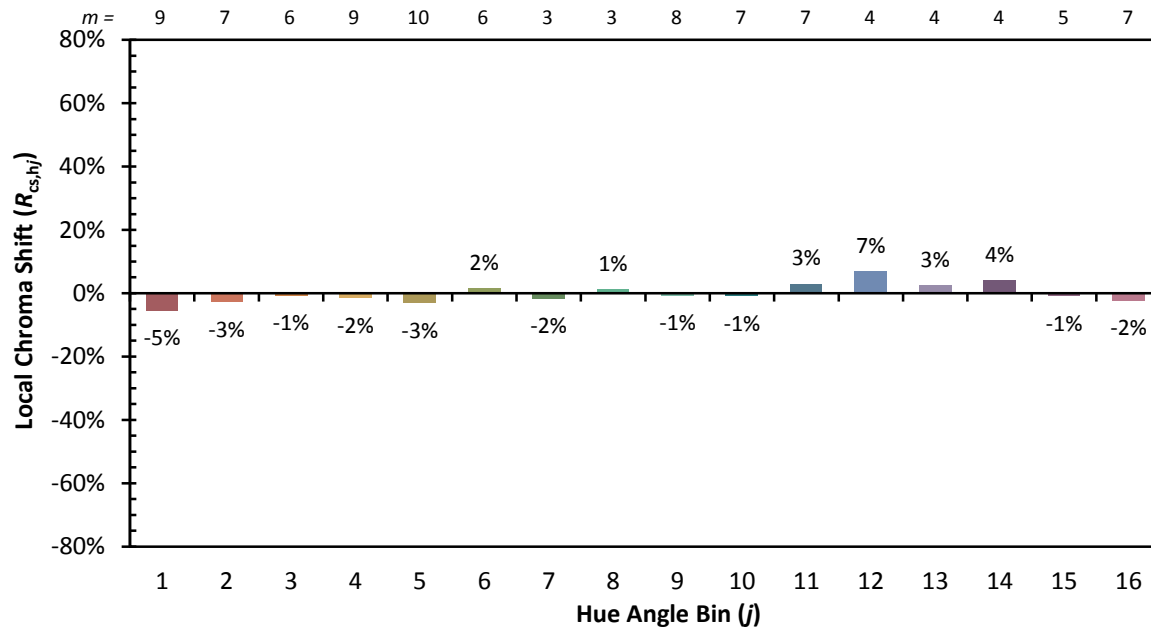


### COLOR VECTOR GRAPHIC(CVG)

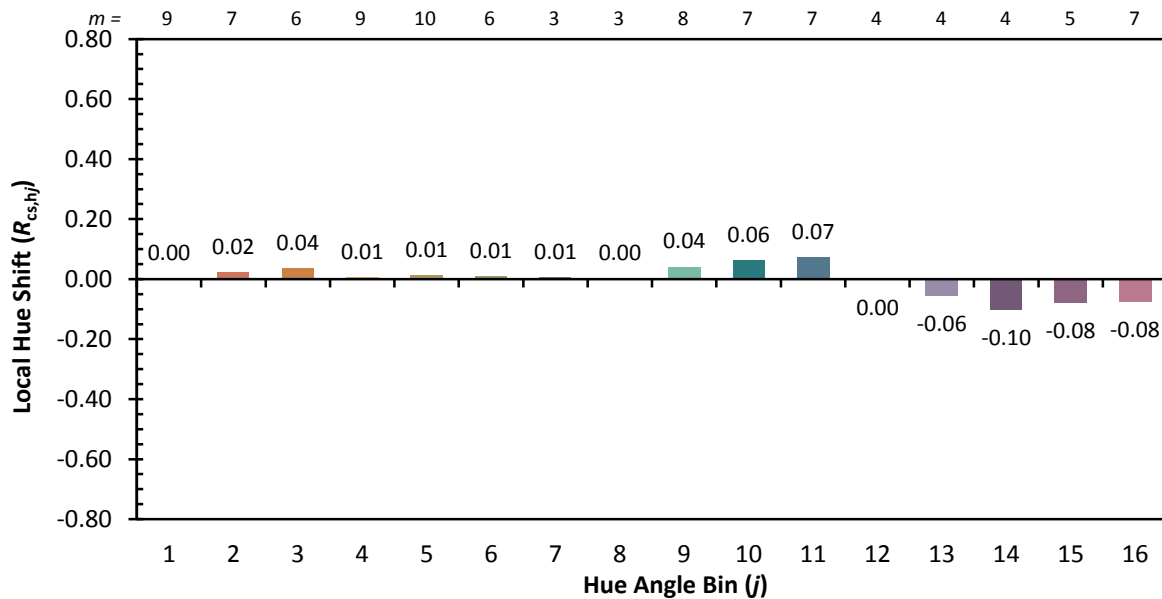


\*All Results in accordance to IES TM-30-18: IES Method for Evaluating Light Source Color Rendition

### Hue Angle Bin (j) vs. Local Chroma Shift ( $R_{cs,hj}$ )



### Hue Angle Bin (j) vs. Local Hue Shift ( $R_{hs,hj}$ )

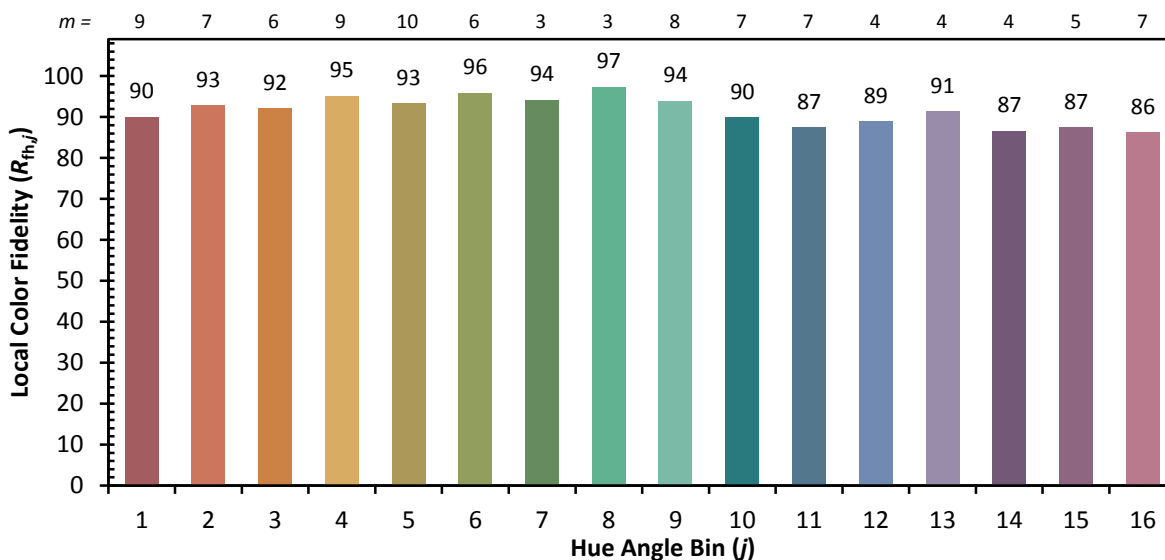


Note:

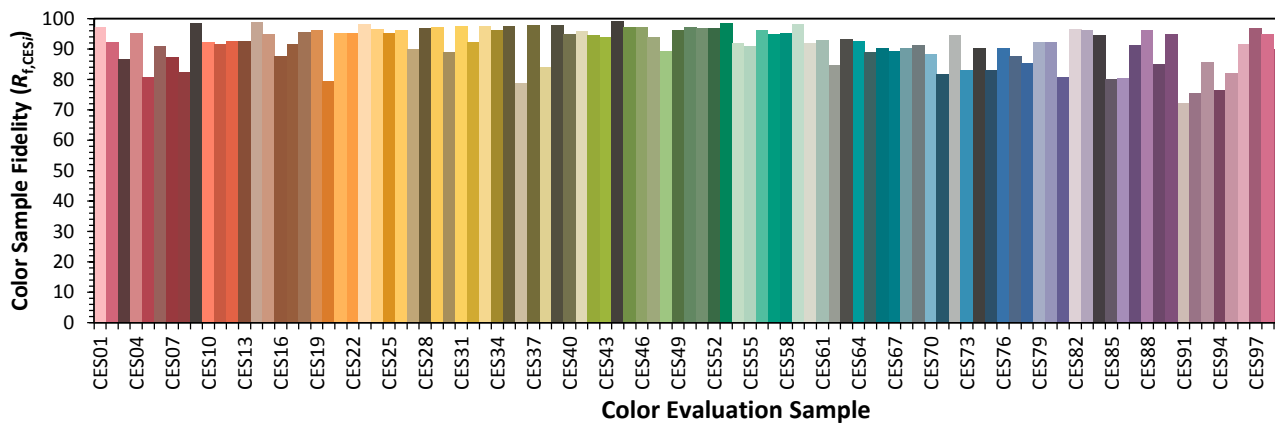
Colors are for visual orientation purposes only. Created with the ANSI/IES TM-30-18 Calculator Version 2.00.

\*All Results in accordance to IES TM-30-18: IES Method for Evaluating Light Source Color Rendition

**Hue Angle Bin (j) vs. Local Color Fidelity ( $R_{f,hj}$ )**



**Color Sample Fidelity ( $R_{f,CESi}$ )**



Note:

Colors are for visual orientation purposes only. Created with the ANSI/IES TM-30-18 Calculator Version 2.00.

\*All Results in accordance to IES TM-30-18: IES Method for Evaluating Light Source Color Rendition