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Report No: L121911516TM30

Date: 1/8/2020



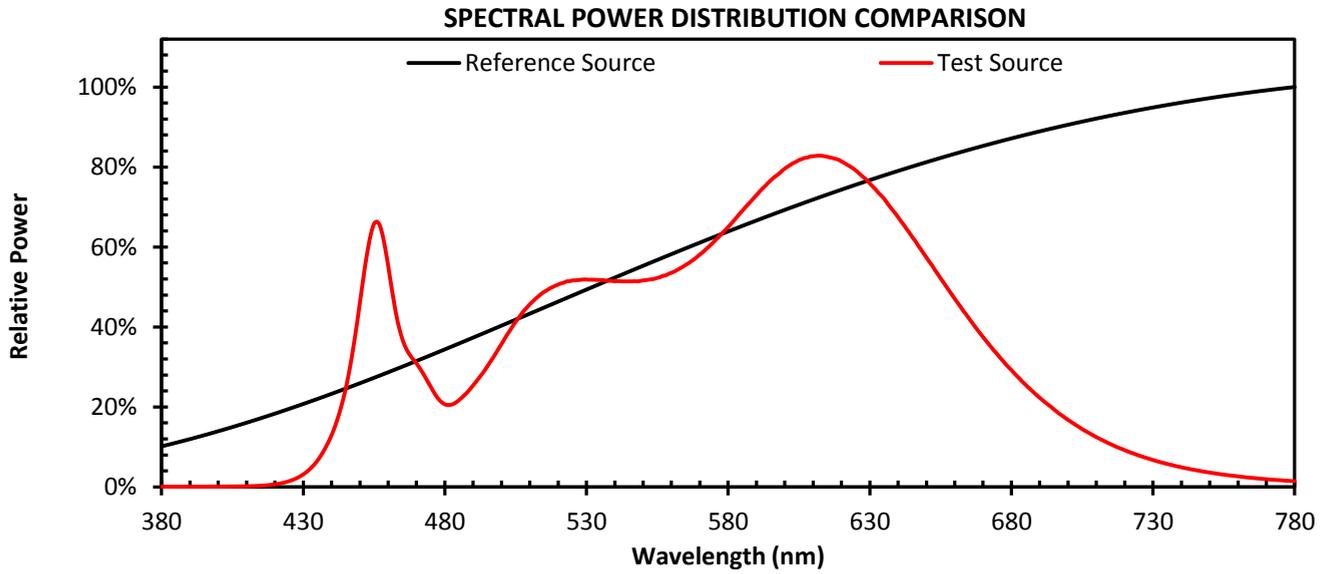
TM-30-15 REPORT

Report No:	L121911516TM30
Prepared For:	Vode Lighting 21684 8th Street East, Suite 700, Sonoma, CA 95476
Model Number:	107-RR-48-Z-SO-359-G2-AL
Testing Lab:	Light Laboratory Inc.
Reference report No:	L121911516
Remark:	This report is based on the data from Light Laboratory Inc. report L121911516

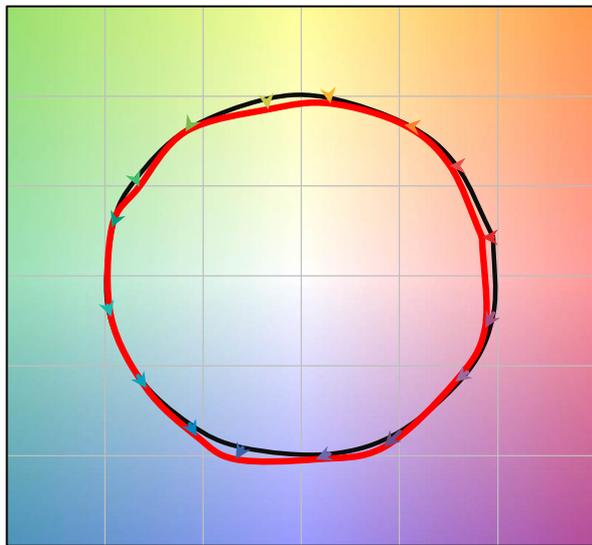
Results Summary

Metric	Result	Notes
R_f	89	IES TM-30-15 Fidelity Index
R_g	98	IES TM-30-15 Gamut Index
CIE R_a	94	CIE Test Color Method General Index
R_9	55	CIE Test Color Method Sample Nine Score
$R_{f,skin}$	93	Average of CES15 and CES18 (skin)
CCT	3302	Correlated Color Temperature
D_{uv}	-0.0005	Distance from the blackbody locus
x	0.4163	CIE 1931 chromaticity coordinate
y	0.3946	CIE 1931 chromaticity coordinate
u	0.2412	CIE 1960 chromaticity coordinate
v	0.3430	CIE 1960 chromaticity coordinate
u'	0.2412	CIE 1976 chromaticity coordinate
v'	0.5145	CIE 1976 chromaticity coordinate

*All Results in accordance to IES TM-30-15: IES Method for Evaluating Light Source Color Rendition

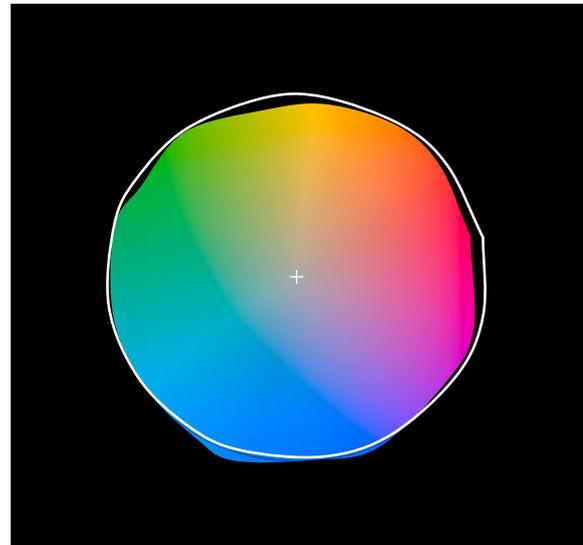


COLOR VECTOR GRAPHIC

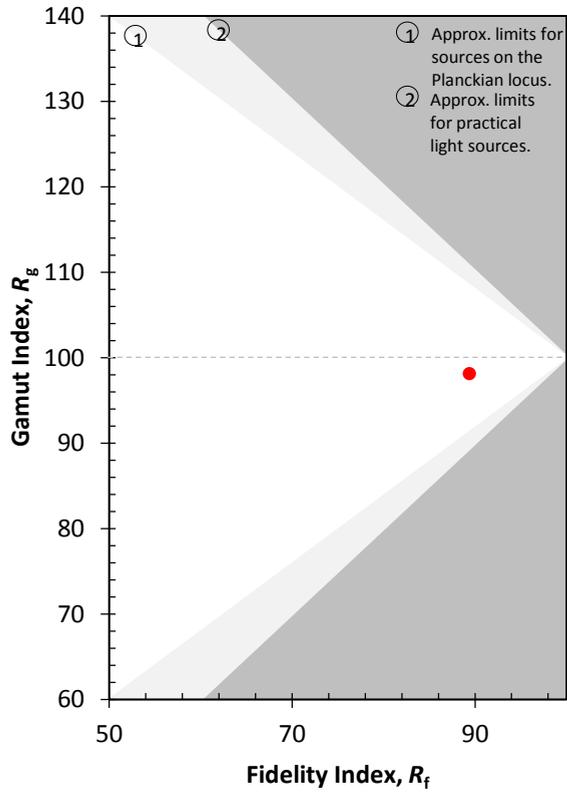


— Reference Illuminant — Test Source

COLOR DISTORTION GRAPHIC



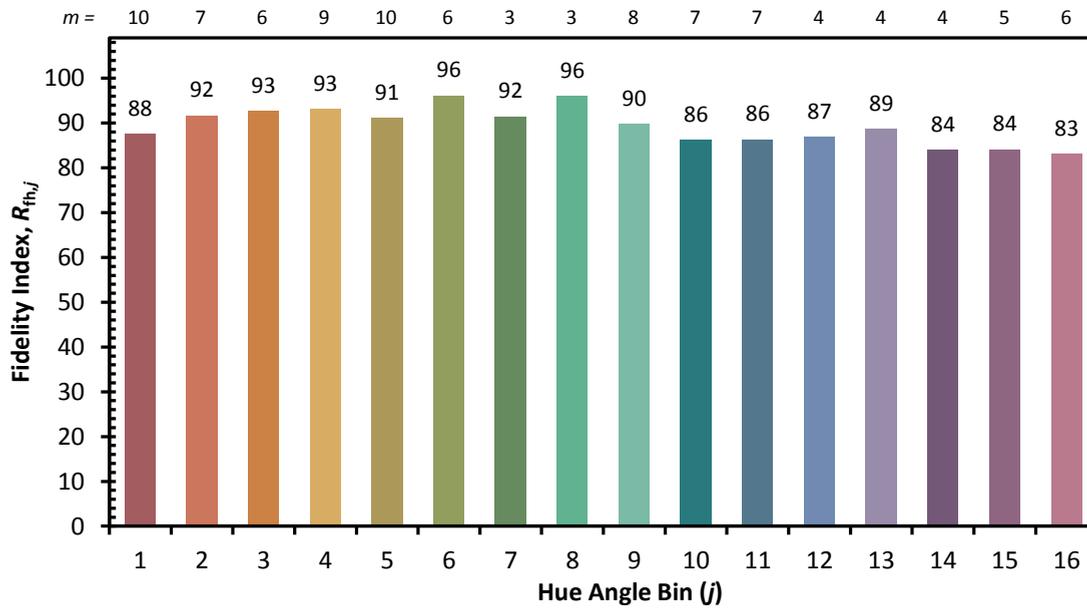
*All Results in accordance to IES TM-30-15: IES Method for Evaluating Light Source Color Rendition



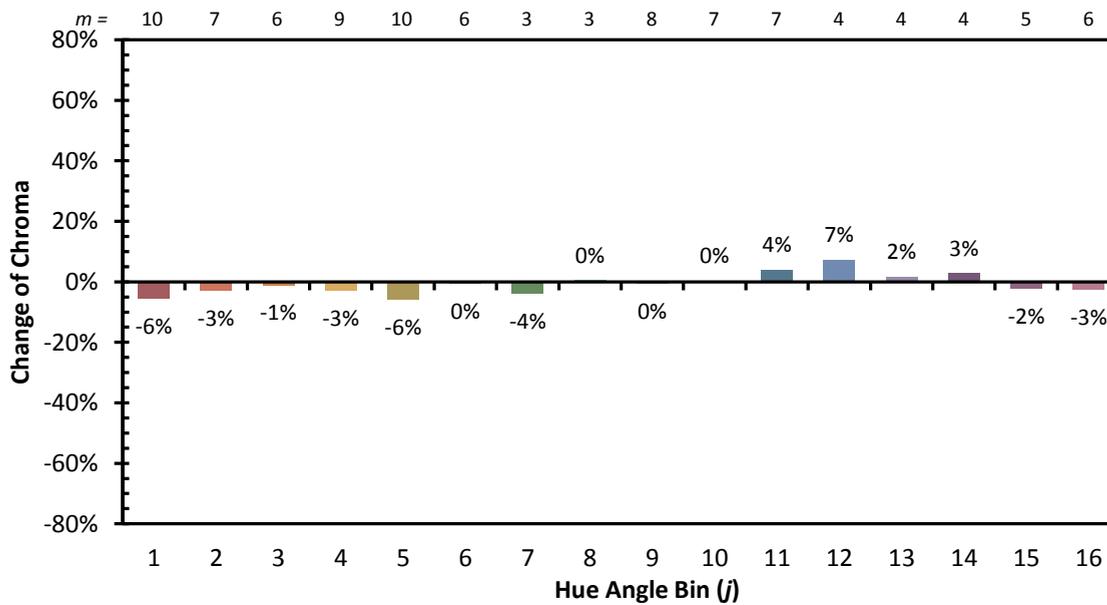
Hue Bin	R_f	Graphic shifts (%)	
		Chroma	Hue
1	88	-6%	1%
2	92	-3%	2%
3	93	-1%	3%
4	93	-3%	-1%
5	91	-6%	0%
6	96	0%	1%
7	92	-4%	3%
8	96	0%	2%
9	90	0%	6%
10	86	0%	8%
11	86	4%	7%
12	87	7%	-2%
13	89	2%	-7%
14	84	3%	-11%
15	84	-2%	-8%
16	83	-3%	-9%

*All Results in accordance to IES TM-30-15: IES Method for Evaluating Light Source Color Rendition

Hue Angle Bin vs. Fidelity Index



Hue Angle Bin vs. Change of Chroma



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