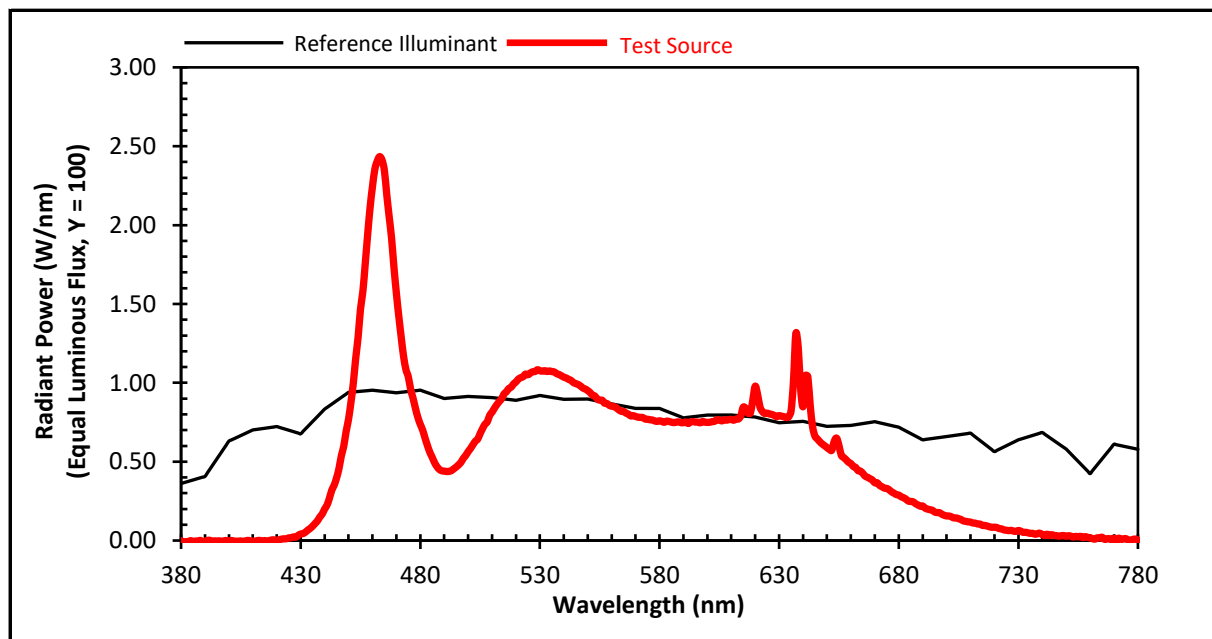


Photometric Measurement Report

Measured via Labsphere's Integral™ Light Measurement Platform

TM-30 Graphical Data via IES TM-30 Basic Calculator Version 2.05

Product	AL-SL-PR-IP20-24-RGB25K-KIT		6/11/26 3:58 PM	
Description	Chroma rgbw strip with controller W		Integration Time	98.00
Notes	1M		Scans Averaged	3
Scan ID	343	Test by	EV	Saturation 80.54%
			Sphere Geometry	2pi



CCT (K)	Lumens	Watts	Volts (DC)	Amps	Efficacy
6581.00	730.92	7.92	24.00	0.33	92.29

CIE 1931			CIE 1960		CIE 1796	
x	y	Y	u	v	u'	v'
0.31	0.33	1.07	0.20	0.31	0.20	0.47

CRI (Ra)		96.54			
R1	97	R6	94	R11	92
R2	98	R7	98	R12	62
R3	92	R8	97	R13	98
R4	99	R9	97	R14	95
R5	96	R10	93	R15	94

CQS (Qa)		93.40			
VS1	91	VS6	97	VS11	99
VS2	99	VS7	96	VS12	98
VS3	86	VS8	99	VS13	98
VS4	85	VS9	96	VS14	97
VS5	92	VS10	96	VS15	96

Understanding TM-30

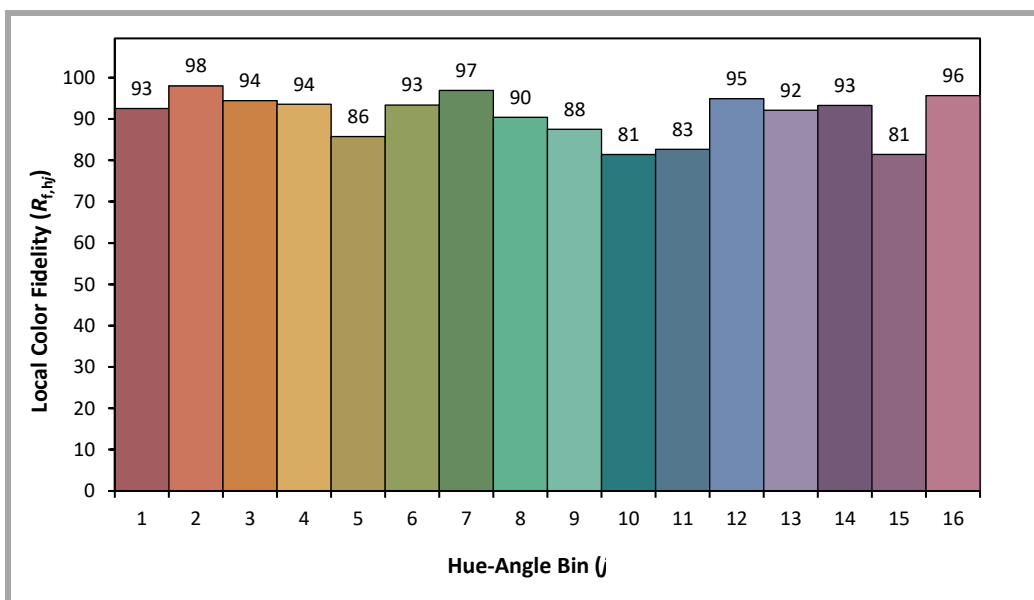
<u>Measure</u>	<u>Symbol</u>	<u>Description</u>	<u>Typical Values</u>
Fidelity Index	Rf	Overall average similarity	70 to 100
Gamut Index	Rg	Overall average saturation (change in chroma) >100 = Oversaturated, <100 = Desaturated	80 to 120
Color Vector Graphic	CVG	Visual representation of hue and saturation changes	n/a
Local Color Fidelity	Rf,hj	Average similarity for a specific hue-angle bin (16 values)	60 to 100
Local Chroma Shift	Rcs,hj	Average relative change in chroma for a specific hue-angle bin (16 values)	-20% to 20%
Local Hue Shift	Rhs,hj	Average change in hue angle (in radians) for a specific hue-angle bin (16 values)	-0.2 to 0.2
Sample Color Fidelity	Rf,ces	Average similarity for a specific color sample (99 values)	60 to 100

TM-30 Measurements

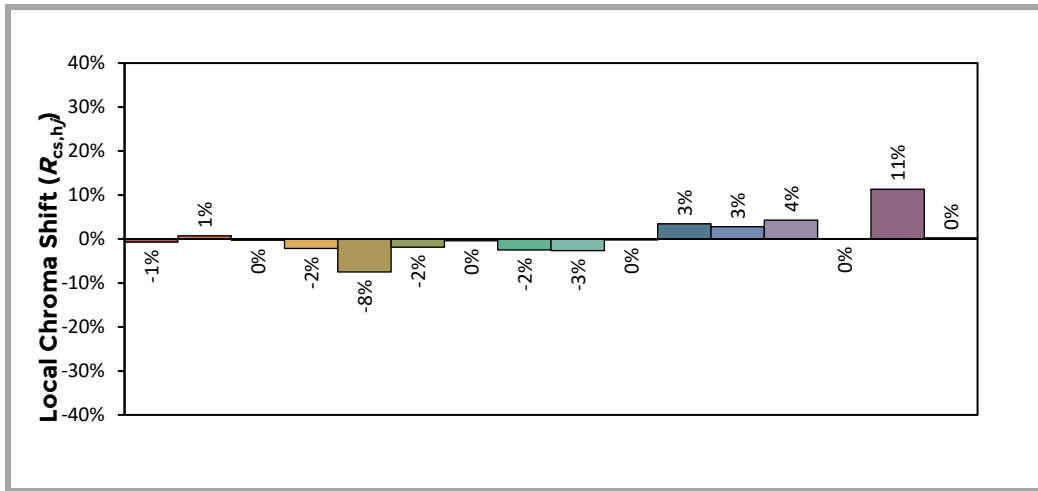
TM-30	Rf	90.27
	Rg	99.72

Local Color Fidelity

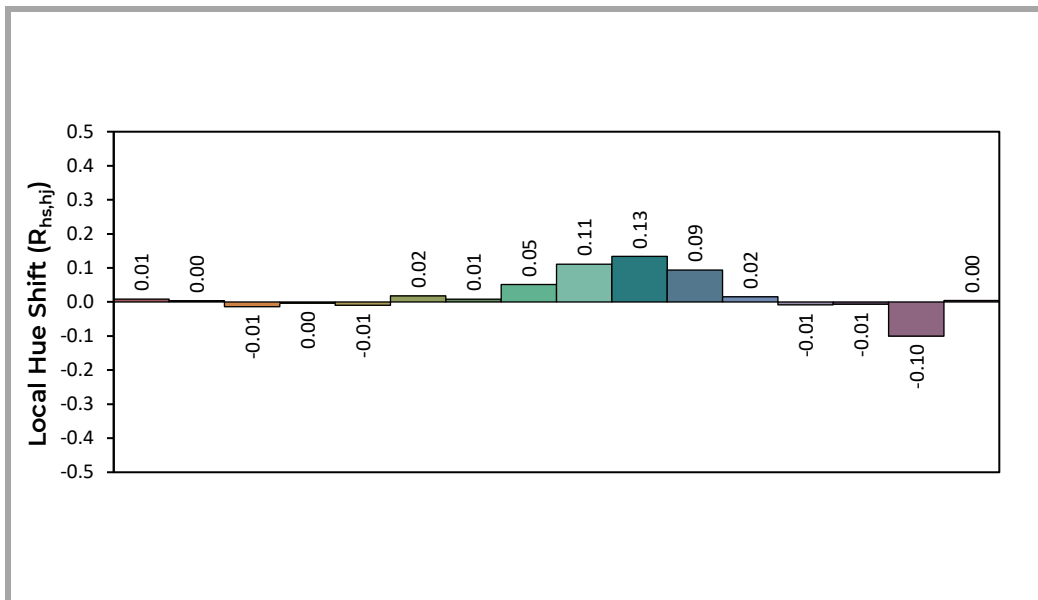
Rf,hj 1	92.5	Rf,hj 5	85.8	Rf,hj 9	87.5	Rf,hj 13	92.1
Rf,hj 2	98.0	Rf,hj 6	93.4	Rf,hj 10	81.4	Rf,hj 14	93.3
Rf,hj 3	94.4	Rf,hj 7	96.9	Rf,hj 11	82.7	Rf,hj 15	81.4
Rf,hj 4	93.6	Rf,hj 8	90.4	Rf,hj 12	94.9	Rf,hj 16	95.7



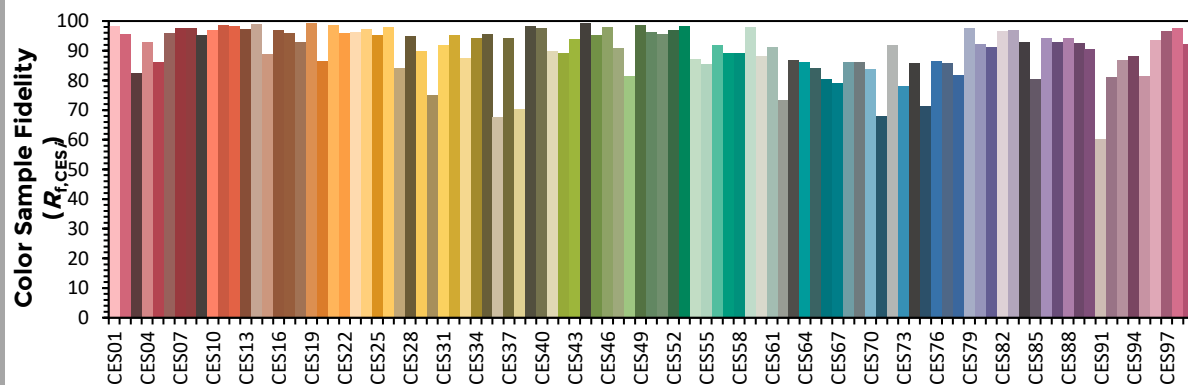
Local Chroma Shift							
Rcs,hj 1	-0.7	Rcs,hj 5	-7.5	Rcs,hj 9	-2.6	Rcs,hj 13	4.3
Rcs,hj 2	0.7	Rcs,hj 6	-1.9	Rcs,hj 10	-0.2	Rcs,hj 14	0.0
Rcs,hj 3	-0.3	Rcs,hj 7	-0.4	Rcs,hj 11	3.4	Rcs,hj 15	11.3
Rcs,hj 4	-2.2	Rcs,hj 8	-2.5	Rcs,hj 12	2.8	Rcs,hj 16	0.2



Local Hue Shift							
Rhs,hj 1	0.01	Rhs,hj 5	-0.01	Rhs,hj 9	0.11	Rhs,hj 13	-0.01
Rhs,hj 2	0.00	Rhs,hj 6	0.02	Rhs,hj 10	0.13	Rhs,hj 14	-0.01
Rhs,hj 3	-0.01	Rhs,hj 7	0.01	Rhs,hj 11	0.09	Rhs,hj 15	-0.10
Rhs,hj 4	0.00	Rhs,hj 8	0.05	Rhs,hj 12	0.02	Rhs,hj 16	0.00



Sample Color Fidelity							
Rf,ces 1	98.2	Rf,ces 26	98.1	Rf,ces 51	95.7	Rf,ces 76	86.4
Rf,ces 2	95.6	Rf,ces 27	84.0	Rf,ces 52	96.8	Rf,ces 77	85.7
Rf,ces 3	82.3	Rf,ces 28	94.8	Rf,ces 53	98.2	Rf,ces 78	81.8
Rf,ces 4	92.7	Rf,ces 29	89.8	Rf,ces 54	87.2	Rf,ces 79	97.5
Rf,ces 5	86.1	Rf,ces 30	75.0	Rf,ces 55	85.5	Rf,ces 80	92.3
Rf,ces 6	95.7	Rf,ces 31	92.0	Rf,ces 56	91.8	Rf,ces 81	91.1
Rf,ces 7	97.7	Rf,ces 32	95.3	Rf,ces 57	89.2	Rf,ces 82	96.5
Rf,ces 8	97.6	Rf,ces 33	87.4	Rf,ces 58	89.3	Rf,ces 83	96.8
Rf,ces 9	95.3	Rf,ces 34	94.2	Rf,ces 59	97.9	Rf,ces 84	92.8
Rf,ces 10	96.8	Rf,ces 35	95.6	Rf,ces 60	88.3	Rf,ces 85	80.5
Rf,ces 11	98.6	Rf,ces 36	67.6	Rf,ces 61	91.1	Rf,ces 86	94.4
Rf,ces 12	98.1	Rf,ces 37	94.3	Rf,ces 62	73.2	Rf,ces 87	92.7
Rf,ces 13	97.4	Rf,ces 38	70.3	Rf,ces 63	86.7	Rf,ces 88	94.1
Rf,ces 14	99.1	Rf,ces 39	98.2	Rf,ces 64	86.1	Rf,ces 89	92.4
Rf,ces 15	88.8	Rf,ces 40	97.5	Rf,ces 65	84.1	Rf,ces 90	90.6
Rf,ces 16	96.8	Rf,ces 41	89.8	Rf,ces 66	80.4	Rf,ces 91	60.3
Rf,ces 17	95.8	Rf,ces 42	89.3	Rf,ces 67	79.1	Rf,ces 92	81.1
Rf,ces 18	93.0	Rf,ces 43	94.0	Rf,ces 68	86.2	Rf,ces 93	86.9
Rf,ces 19	99.3	Rf,ces 44	99.3	Rf,ces 69	86.3	Rf,ces 94	88.3
Rf,ces 20	86.4	Rf,ces 45	95.3	Rf,ces 70	83.7	Rf,ces 95	81.4
Rf,ces 21	98.6	Rf,ces 46	98.0	Rf,ces 71	67.9	Rf,ces 96	93.6
Rf,ces 22	95.9	Rf,ces 47	90.7	Rf,ces 72	91.9	Rf,ces 97	96.6
Rf,ces 23	96.1	Rf,ces 48	81.6	Rf,ces 73	78.0	Rf,ces 98	97.6
Rf,ces 24	97.2	Rf,ces 49	98.8	Rf,ces 74	85.8	Rf,ces 99	92.3
Rf,ces 25	95.1	Rf,ces 50	96.4	Rf,ces 75	71.2		



TM-30 Color Vector Graphic (CVG)

The Color Vector Graphic (CVG) shows a normalized version of the average change in (a', b') coordinates of CAM02-UCS for the CES within each hue-angle bin.

