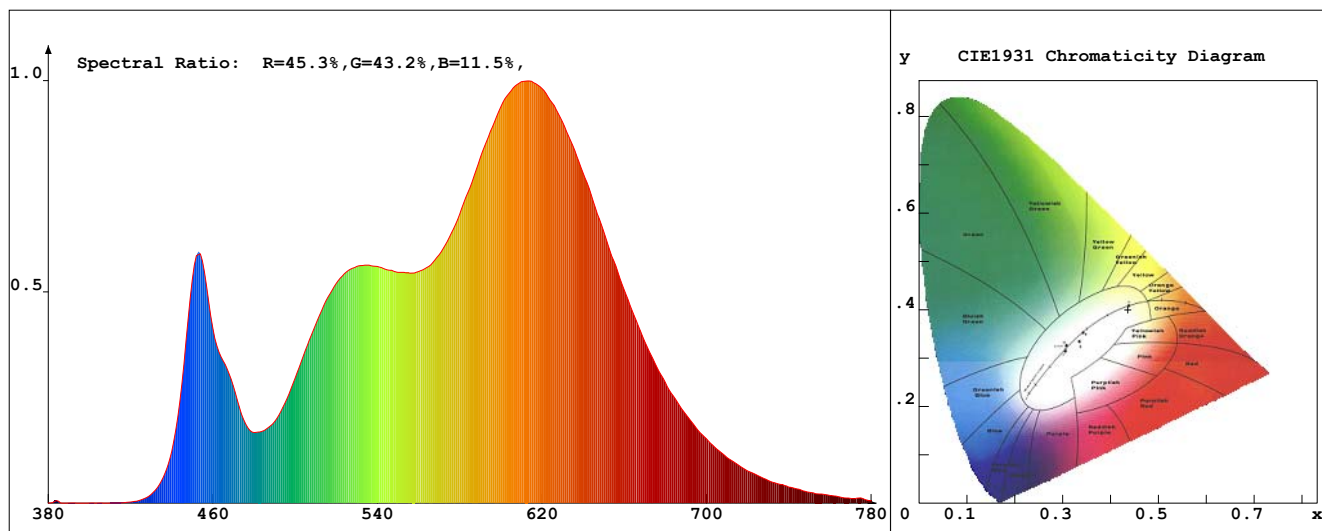


LED Test Report

Product Mark

Product Type : F52-30s-x128822-C90 11.7W Manufacturer :
 Temperature : 'C Humidity : %
 Operator : Test Date : 2019-10-19
 Remark: Bin: 3WS Lotto: 348



Chroma Parameters

Chro.Coord.: $x=0.4362$ $y=0.3999$ $u=0.2519$ $v=0.3464$ $duv=-0.0016$
 CCT: 2977K Dominant Wave.: 583.5nm Purity: 51.0% Centre Wave: 588.1nm
 Flux RGB Ratio: $R=24.3\%$, $G=74.0\%$, $B=1.7\%$ Peak Wave: 613.6nm Half Width: 142.4nm

Rendering Index: $R_a=92.8$ CRI= 90.3

R1 =95	R2 =98	R3 =98	R4 =96	R5 =96	R6 =96	R7 =88	R8 =75
R9 =44	R10=94	R11=96	R12=81	R13=97	R14=99	R15=87	
PPF: 24.219 $\mu\text{mol/s}$ (400-700nm)			PRF: 5.0mW (400-700nm)			PAR: 4.4mW (400-700nm)	

Photo Parameters

Flux: 1688.67lm Effi.: 144.2lm/W Radiant: 5144.6mW Iv: 0.0mcd
 Scotopic Flux: 2404.1Plm Effi.: 0.0Plm/W S/P: 1.4
 Efficiency: 0.00 Effi Level: A++ (EU 874-2012) Photon Flux: 25067.100 $\mu\text{mol/s}$ (380-780nm)

Ele. Parameters

Forward Current: $I_f=485.0\text{mA}$ Reverse Voltage: $V_r=5.00\text{V}$
 Forward Voltage: $V_f=24.14\text{V}$ Reverse Current: $I_r=0.00\mu\text{A}$
 Power: $P=11.720\text{W}$

Instrument state

Instrument: -	Integral Time: 91.286ms	VPeak: 13992
VDark: 1105	Scan Range: 380-780nm	Product ID: 201508924

IES TM-30-2015 Test Report

Product Mark

Product Type : F52-30s-x128822-C90 11.7W Manufacturer :

Temperature : 'C

Humidity : %

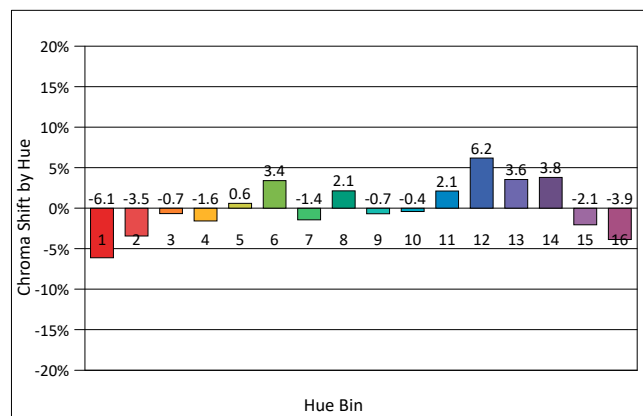
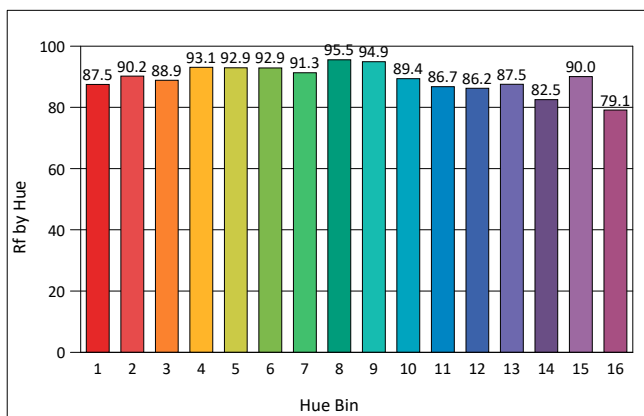
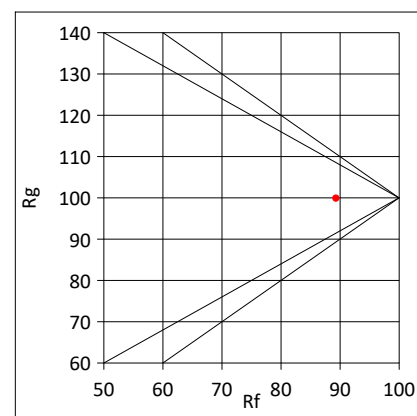
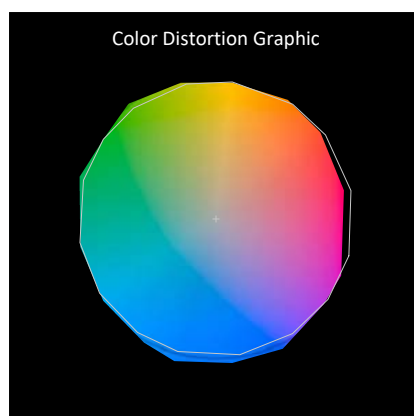
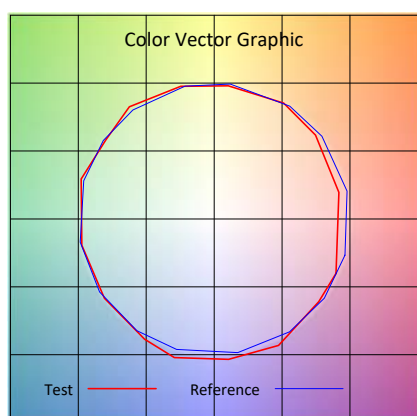
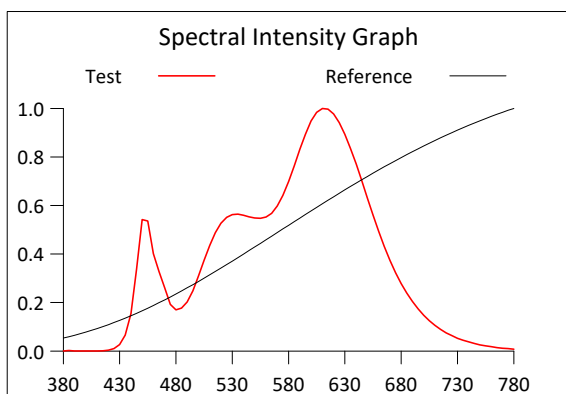
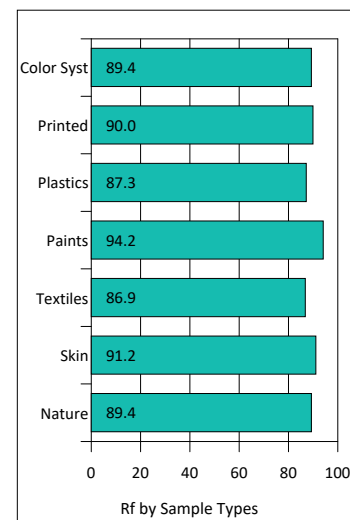
Operator :

Test Date : 2019-10-19

Remark: Bin: 3WS Lotto: 348

Rf: 89.3 CCT(K): 2977 u': 0.2519
Rg: 99.9 LER: 317.7 Duv: -0.0016 v': 0.3464

Hue Bin	Rf	Graphic Shifts (%)	
		Chroma	Hue
1	87.5	-6.1%	0.3%
2	90.2	-3.5%	3.2%
3	88.9	-0.7%	4.9%
4	93.1	-1.6%	1.2%
5	92.9	0.6%	3.1%
6	92.9	3.4%	0.9%
7	91.3	-1.4%	-1.4%
8	95.5	2.1%	-0.9%
9	94.9	-0.7%	2.4%
10	89.4	-0.4%	5.7%
11	86.7	2.1%	8.1%
12	86.2	6.2%	-0.4%
13	87.5	3.6%	-7.5%
14	82.5	3.8%	-12.3%
15	90.0	-2.1%	-4.4%
16	79.1	-3.9%	-14.4%



IES TM-30-2015 Test Report

Product Mark

Product Type : F52-30s-x128822-C90 11.7W Manufacturer :

Temperature : 'C

Humidity : %

Operator :

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Remark: Bin: 3WS Lotto: 348

