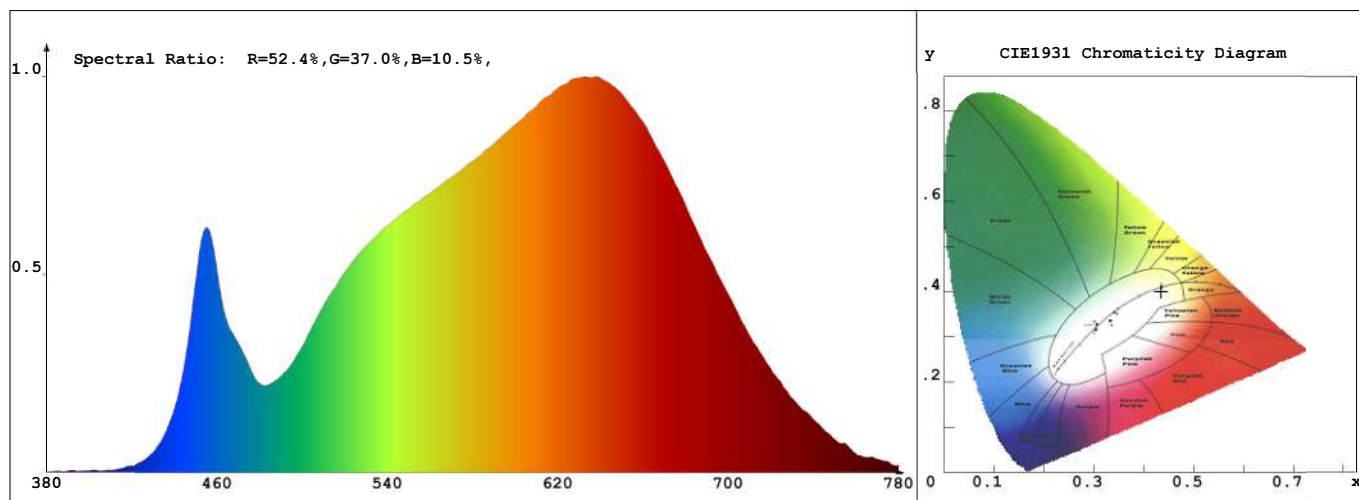


# Luminaire test report

## Product Mark

Product Type : CV-24V-10W-CCT-280, 500mm-30K Manufacturer : Lumen Warm Inc.  
 Temperature : 20'C Humidity : 22%  
 Operator : NDR Test Date : 2020-03-18 11:15:59  
 Remark: 0.5 m long sample. Warmest config (black-Yellow cables)



## Chroma Parameters

Chro.Coor.:x=0.4340 y=0.4002 u=0.2503 v=0.3463 duv=-0.0011  
 CCT: 3018K Dominant Wave.:583.2nm Purity:50.4% Centre Wave:606.3nm  
 Flux RGB Ratio:R=23.3%,G=74.8%,B=1.9% Peak Wave:637.7nm Half Width:175.9nm

## Rendering Index:Ra= 93.1 CRI= 90.5

R1 =93 R2 =94 R3 =93 R4 =95 R5 =95 R6 =94 R7 =93 R8 =87  
 R9 =74 R10=86 R11=94 R12=76 R13=92 R14=95 R15=91  
 Fidelity Index(Rf)=90.4 Gamut Index(Rg)=100.3

## Photo Parameters

Flux:297.84lm Effi.:81.6lm/W Radiant:1032.7mW Iv:0.0mcd  
 Efficiency:0.12 Effi Level:A+ (EU 874-2012)

## Ele. Parameters

Voltage:U=24.00V Current:I=0.1520A  
 Power:P=3.648W Power Factor:PF=1.000

## Instrument state

Instrument:Hopoo HP8000 Integral Time: 519.133ms VPeak: 13273  
 VDark: 1198 Scan Range: 380-780nm Product ID: 201901623

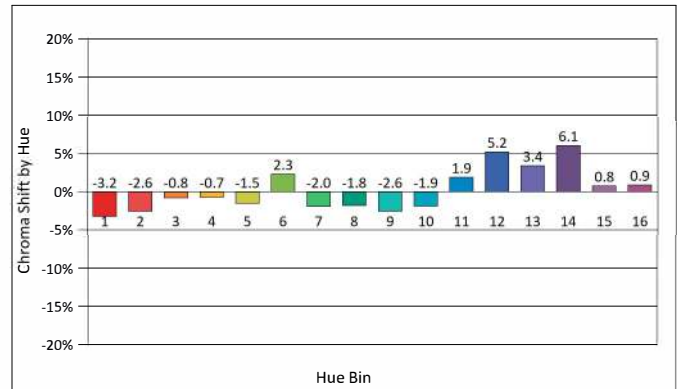
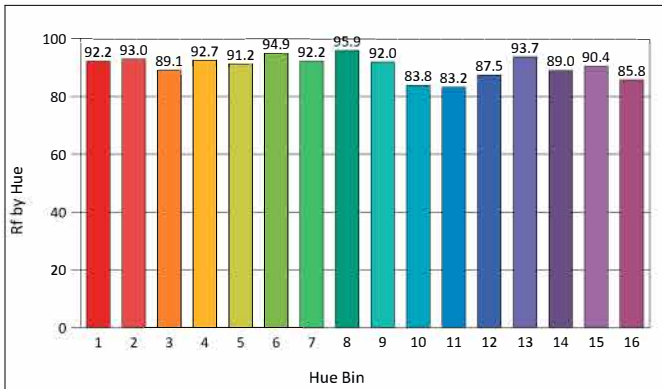
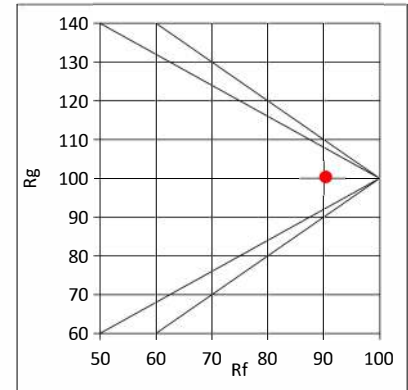
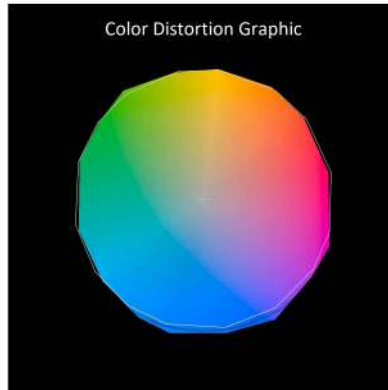
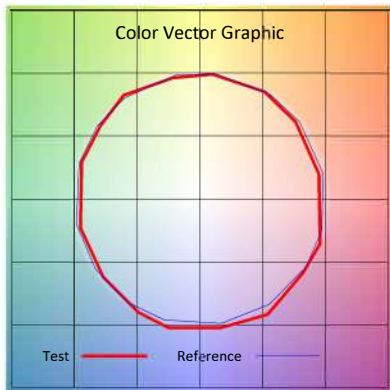
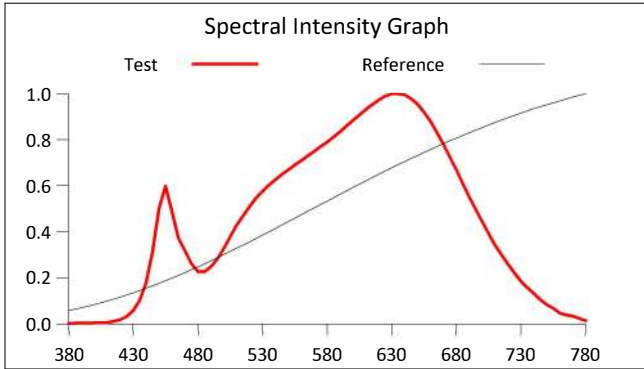
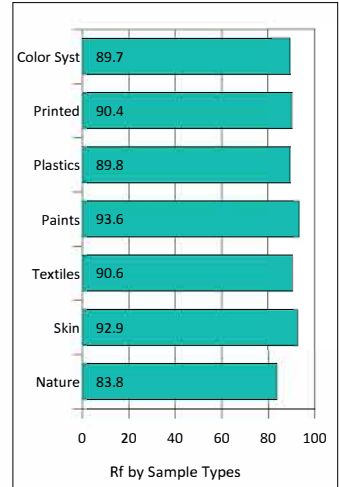
# IES TM-30-2015 Test Report

**Product Mark**

Product Type : CV-24V-10W-CCT-280, 500mm-30K      Manufacturer : Lumen Warm Inc.  
 Temperature : 20'C      Humidity : 22%  
 Operator : NDR      Test Date : 2020-03-18 11:15:59  
 Remark: 0.5 m long sample. Warmest config (black-Yellow cables)

Rf: 90.4      CCT(K): 3018      u': 0.2503  
 Rg: 100.3      LER: 273.7      Duv: -0.0011      v': 0.3463

Hue Bin	Graphic Shifts (%)		
	Rf	Chroma	Hue
1	92.2	-3.2%	0.0%
2	93.0	-2.6%	2.0%
3	89.1	-0.8%	4.7%
4	92.7	-0.7%	2.8%
5	91.2	-1.5%	2.4%
6	94.9	2.3%	-0.4%
7	92.2	-2.0%	-1.0%
8	95.9	-1.8%	-1.0%
9	92.0	-2.6%	4.0%
10	83.8	-1.9%	8.3%
11	83.2	1.9%	11.2%
12	87.5	5.2%	4.4%
13	93.7	3.4%	-1.4%
14	89.0	6.1%	-5.1%
15	90.4	0.8%	-4.7%
16	85.8	0.9%	-10.3%



# IES TM-30-2015 Test Report

**Product Mark**

Product Type : CV-24V-10W-CCT-280, 500mm-30K      Manufacturer : Lumen Warm Inc.  
 Temperature : 20'C      Humidity : 22%  
 Operator : NDR      Test Date : 2020-03-18 11:15:59  
 Remark: 0.5 m long sample. Warmest config (black-Yellow cables)

