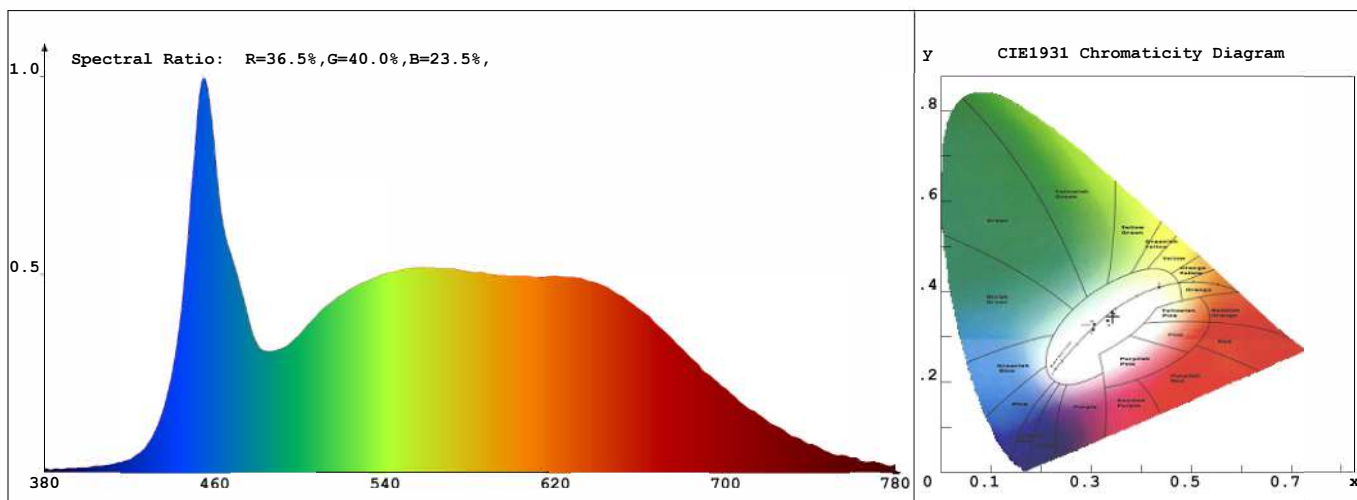


# Luminaire test report

## Product Mark

Product Type : CV-24V-10W-CCT-280, 500mm-50K      Manufacturer : Lumen Warm Inc.  
 Temperature : 20'C      Humidity : 22%  
 Operator : NDR      Test Date : 2020-03-18 11:25:43  
 Remark: 0.5 m long sample. Coolest (black-white cables)



## Chroma Parameters

Chro.Coor.:x=0.3426 y=0.3448 u=0.2124 v=0.3206 duv=-0.0025  
 CCT: 5076K Dominant Wave.:575.5nm Purity:6.3% Centre Wave:457.5nm  
 Flux RGB Ratio:R=17.0%,G=79.0%,B=4.0% Peak Wave:453.6nm Half Width:24.7nm

## Rendering Index:Ra= 95.0 CRI= 93.4

R1 =97      R2 =98      R3 =96      R4 =92      R5 =93      R6 =91      R7 =98      R8 =96  
 R9 =87      R10=94      R11=92      R12=71      R13=98      R14=98      R15=98  
 Fidelity Index(Rf)=88.9      Gamut Index(Rg)=99.5

## Photo Parameters

Flux:349.20lm      Effi.:95.7lm/W      Radiant:1217.9mW      Iv:0.0mcd  
 Efficiency:0.11      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: 269.144ms      VPeak: 13817  
 VDark: 1269      Scan Range: 380-780nm      Product ID: 201901623

# IES TM-30-2015 Test Report

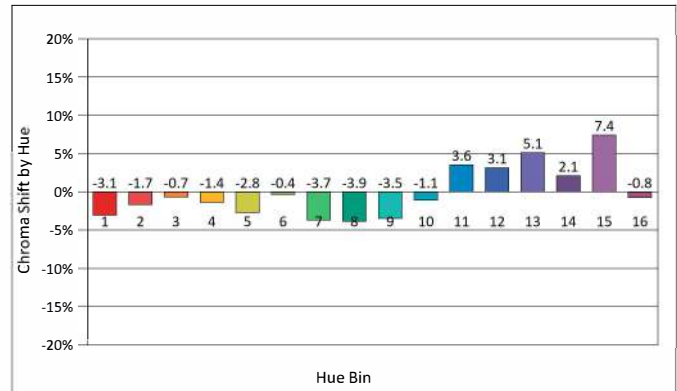
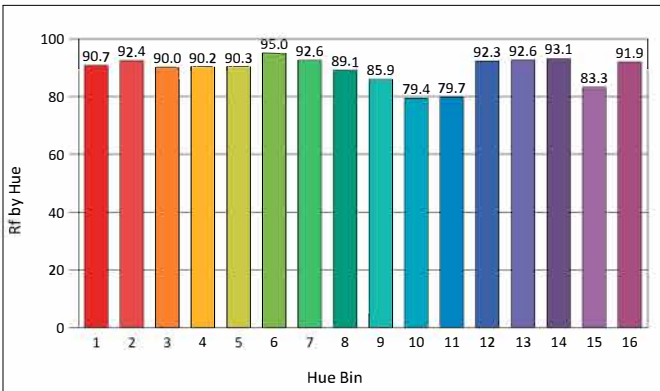
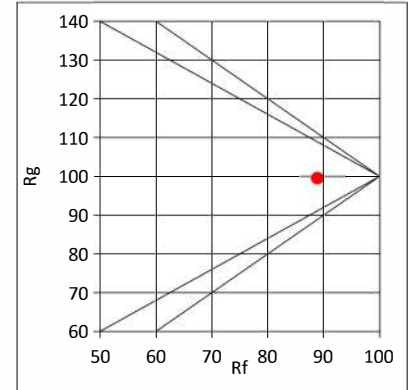
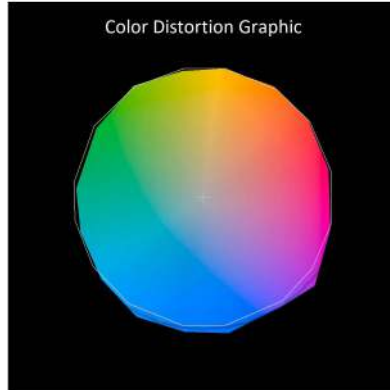
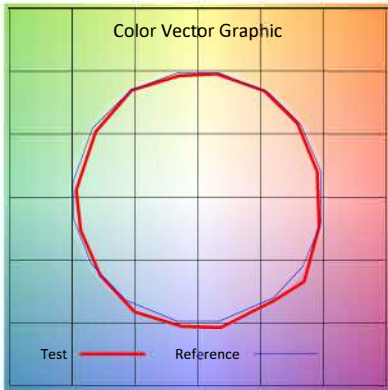
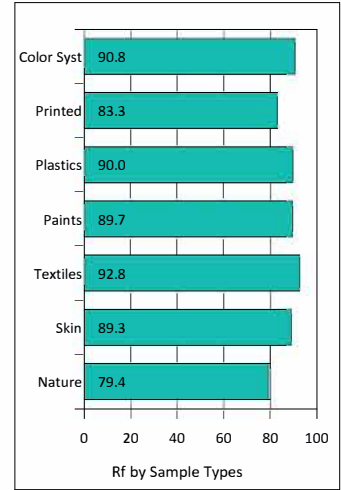
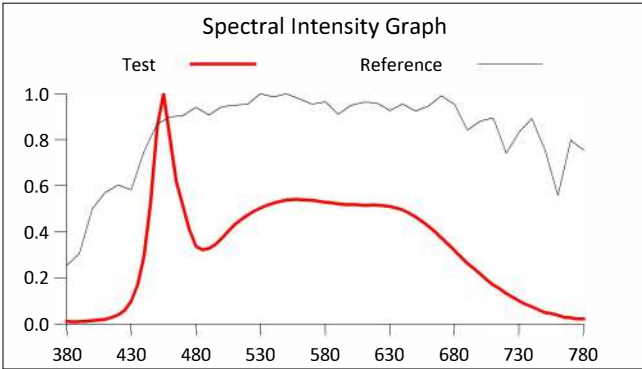
**Product Mark**

Product Type : CV-24V-10W-CCT-280, 500mm-50K  
 Temperature : 20'C  
 Operator : NDR  
 Remark: 0.5 m long sample. Coolest (black-white cables)

Manufacturer : Lumen Warm Inc.  
 Humidity : 22%  
 Test Date : 2020-03-18 11:25:43

Rf: 88.9                      CCT(K): 5076                      u': 0.2124  
 Rg: 99.5                      LER: 272.8                      Duv: -0.0025                      v': 0.3206

Hue Bin	Graphic Shifts (%)		
	Rf	Chroma	Hue
1	90.7	-3.1%	1.3%
2	92.4	-1.7%	1.9%
3	90.0	-0.7%	4.1%
4	90.2	-1.4%	2.2%
5	90.3	-2.8%	1.0%
6	95.0	-0.4%	-0.2%
7	92.6	-3.7%	0.8%
8	89.1	-3.9%	5.2%
9	85.9	-3.5%	8.8%
10	79.4	-1.1%	11.5%
11	79.7	3.6%	10.8%
12	92.3	3.1%	3.4%
13	92.6	5.1%	-0.1%
14	93.1	2.1%	-2.1%
15	83.3	7.4%	-9.6%
16	91.9	-0.8%	-2.5%



# IES TM-30-2015 Test Report

**Product Mark**

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