

# RESOURCE – PHOTOMETRICS

SS\_WHE\_3.0-24\_DMP\_22k



**Light Efficiency:**



Output: 334 lm

**Light Quality:**



Peak: 119 cd

Power: 3.4 W

PF: 1.0

R9: 95.1

Duv: -0.0006

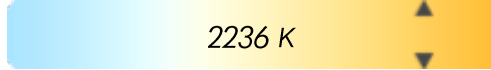
u': 0.288

v': 0.535

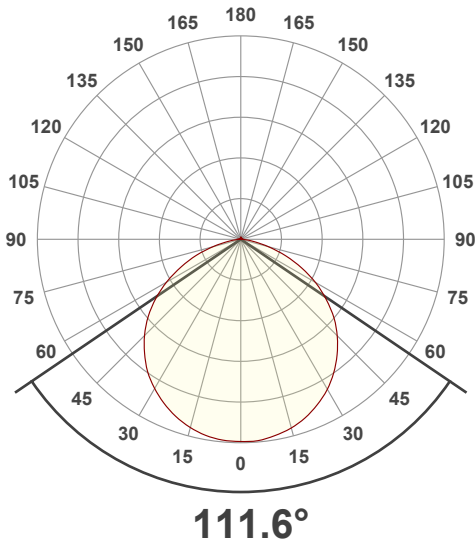
Rg 101.2  
Gamut index Rg

Rf 94.3  
Fidelity index Rf

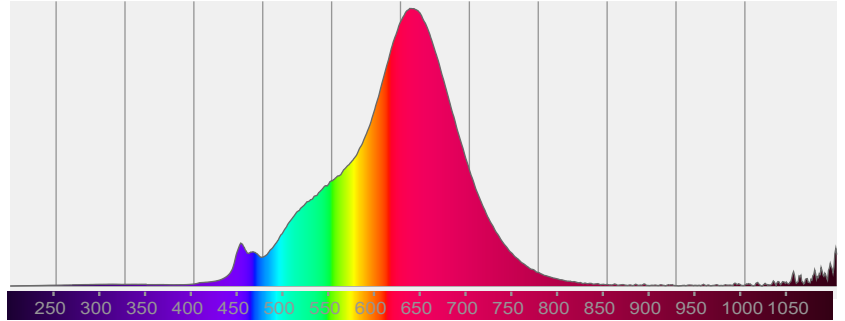
**Color Temperature**



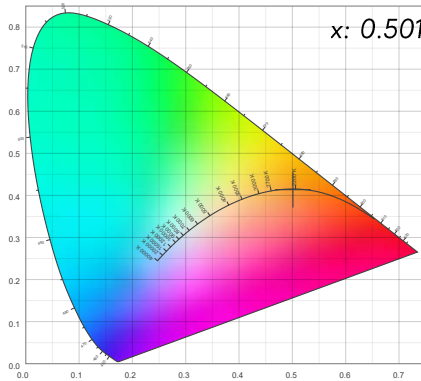
**Beam Angle:**



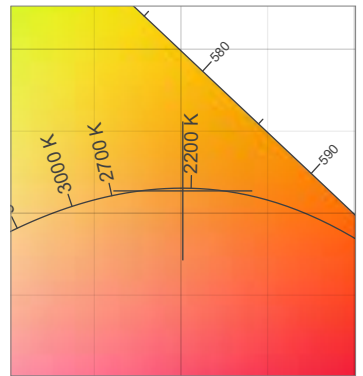
**Spectra:**



**CIE 1931:**

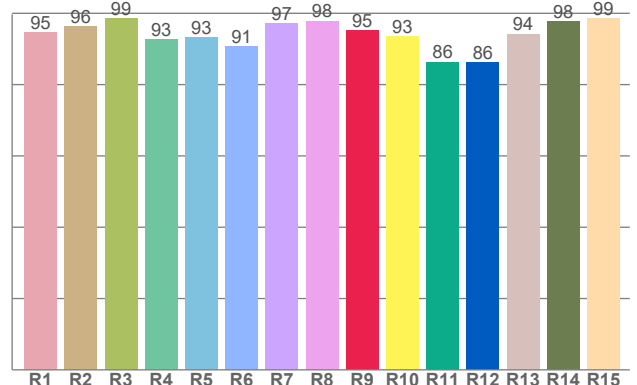
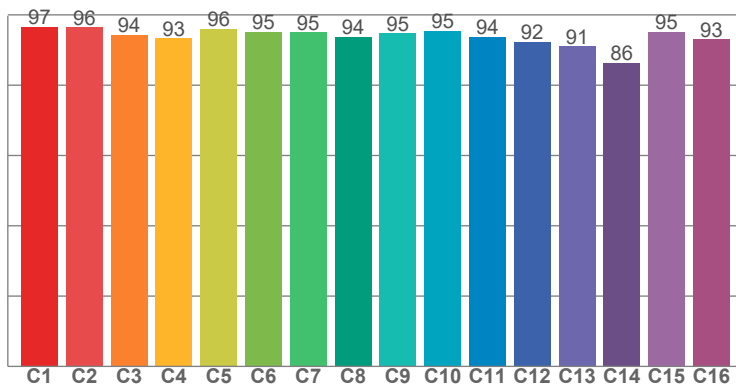


**CIE 1931 Zoom:**



TM30: 94.3

CRI: 95.1 94.6



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# RESOURCE – PHOTOMETRICS

SS\_WHE\_3.0-24\_DMP\_22k

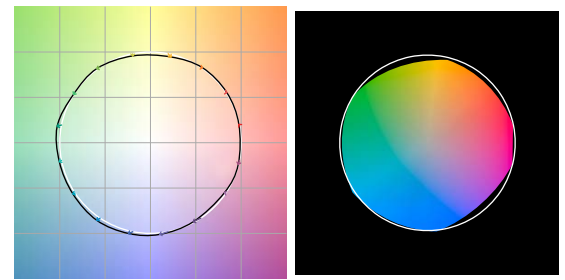


CRI R values, only R1-R8 are used to calculate final CRI value

## Color Distortion

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94.6	96.3	98.5	92.7	93.2	90.7	97.2	97.9	95.1	93.4	86.4	86.2	94.2	97.6	98.6

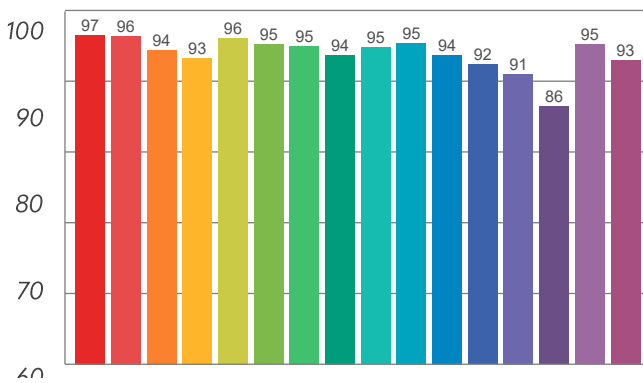
## Color Vector



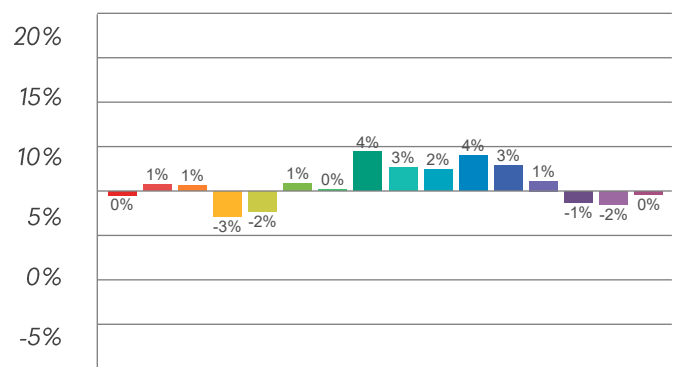
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96.6	96.4	94.4	93.3	96.1	95.2	95.0	93.7	94.7	95.4	93.7	92.4	91.0	86.4	95.2	93.0

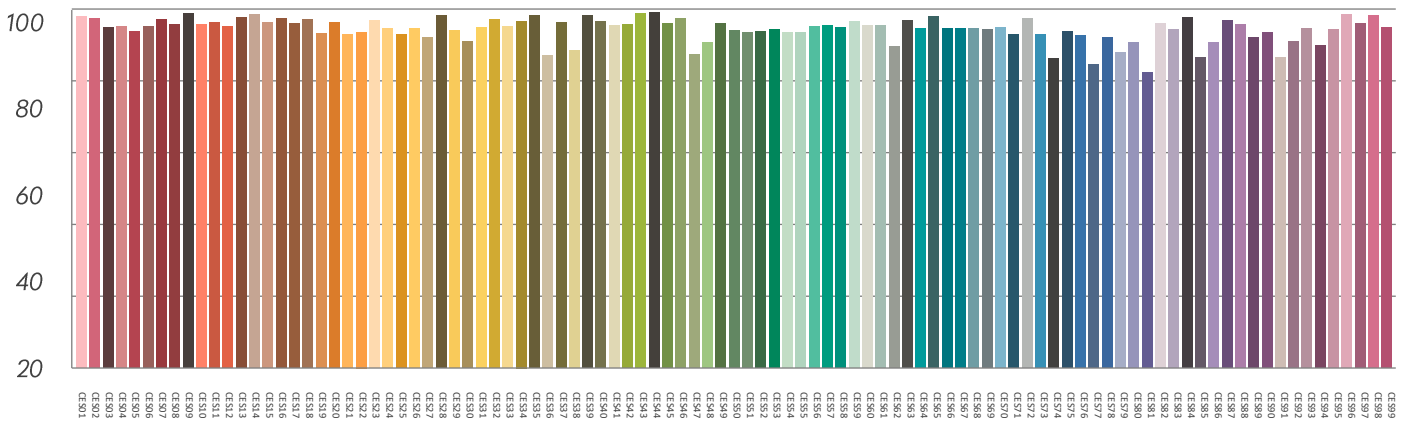
## Rf by Hue



## Chroma Shift by Hue



## Color Evaluation Sample



# RESOURCE – PHOTOMETRICS

SS\_WHE\_3.0-24\_DMP\_25k



## Light Efficiency:



Output: 128 lm

## Light Quality:



Peak: 46.4 cd

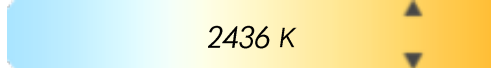
Power: 2.0 W

PF: 1.0

R<sub>g</sub> 101.5

Gamut index R<sub>g</sub>

## Color Temperature



R<sub>9</sub>: 95.6

Duv: -0.0009

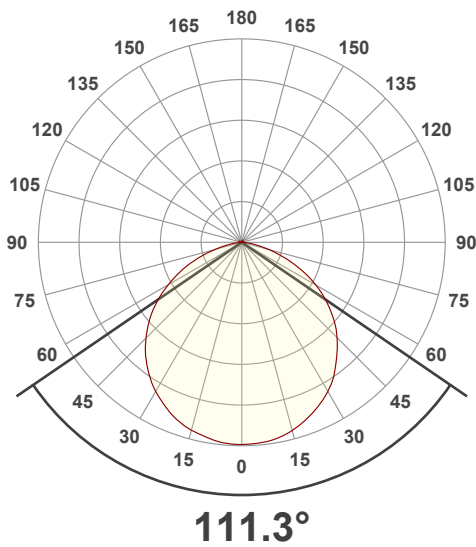
u': 0.276

v': 0.531

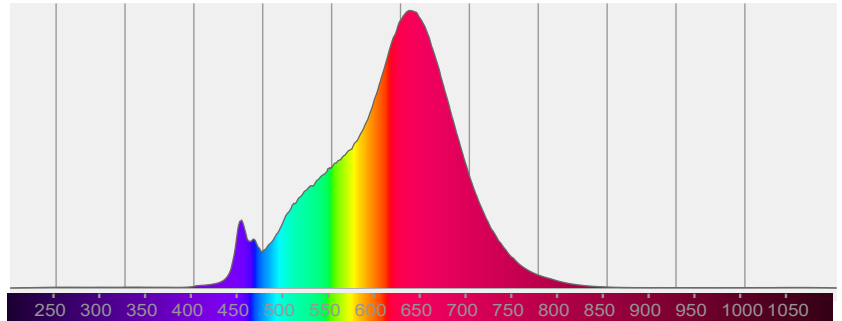
R<sub>f</sub> 94.7

Fidelity index R<sub>f</sub>

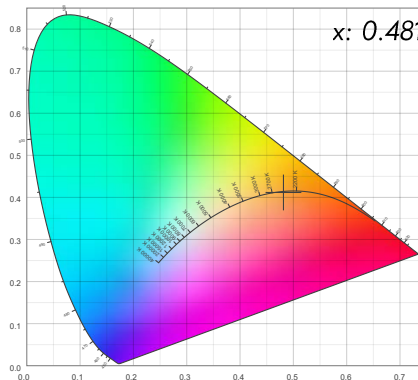
## Beam Angle:



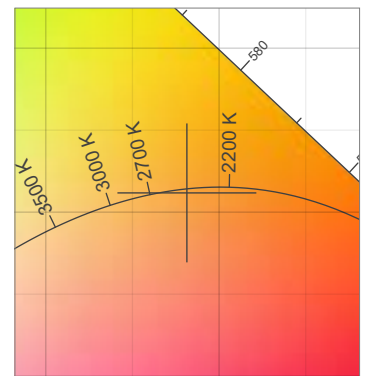
## Spectra:



## CIE 1931:

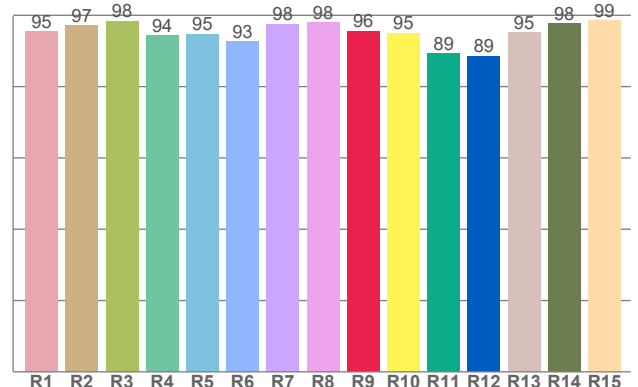
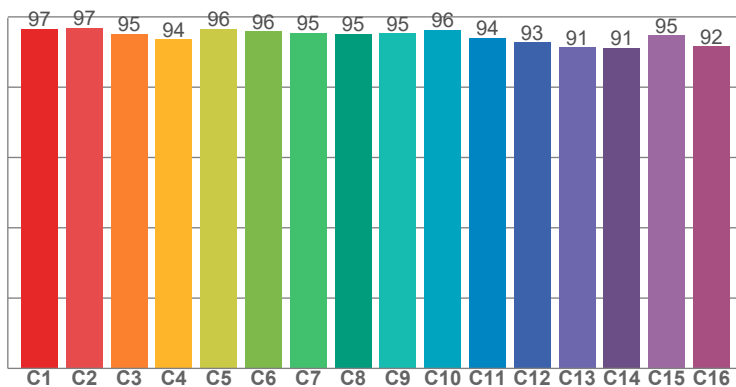


## CIE 1931 Zoom:



TM30: 94.7

CRI: 96.0 95.5



# RESOURCE – PHOTOMETRICS

SS\_WHE\_3.0-24\_DMP\_25k

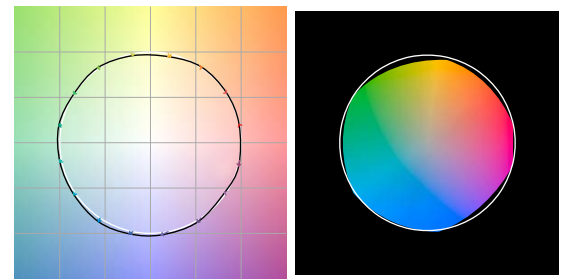


CRI R values, only R1-R8 are used to calculate final CRI value

## Color Distortion

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95.5	97.1	98.4	94.4	94.8	92.7	97.5	98.1	95.6	95.0	89.3	88.5	95.2	97.7	98.5

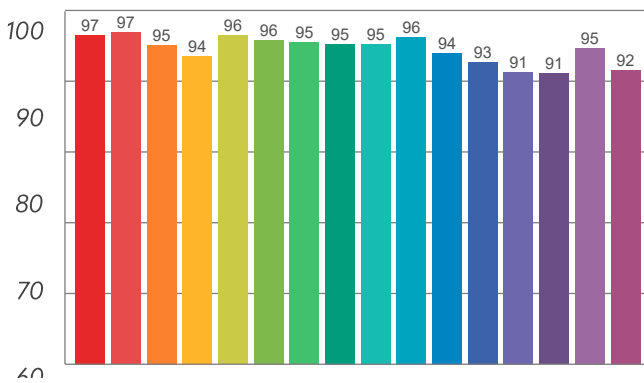
## Color Vector



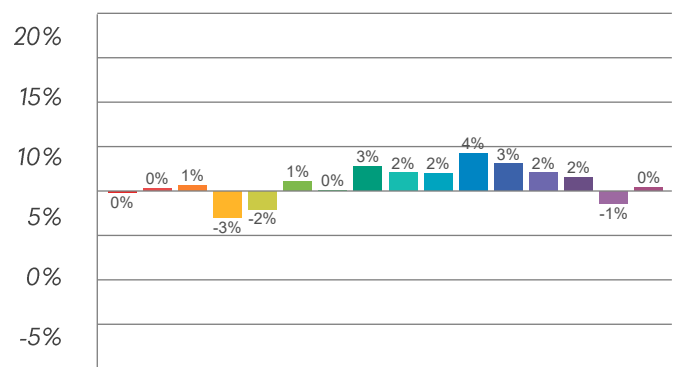
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96.5	96.9	95.1	93.6	96.5	95.8	95.4	95.2	95.3	96.2	94.0	92.7	91.3	91.1	94.7	91.6

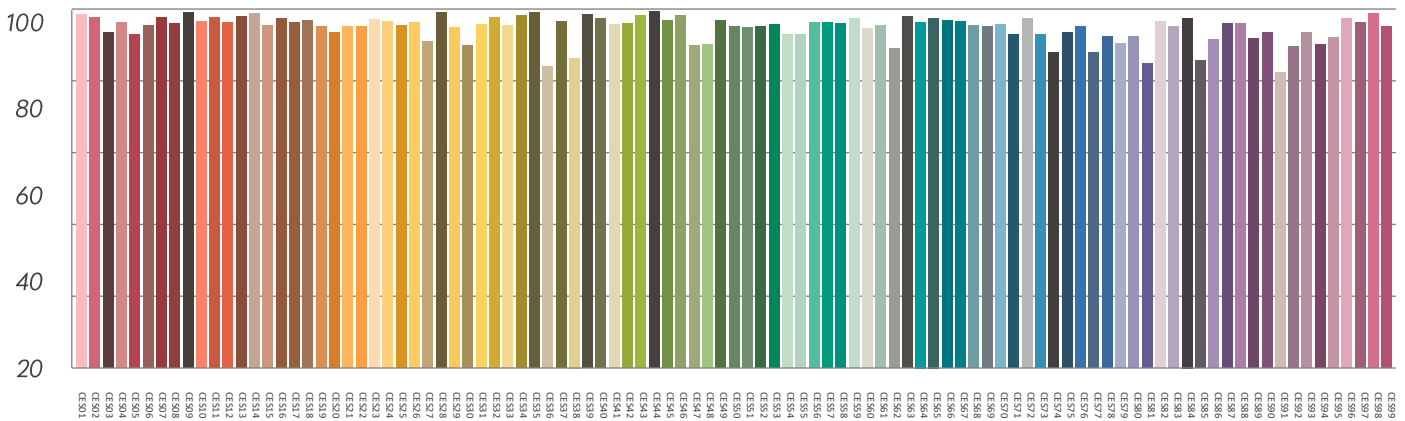
## Rf by Hue



## Chroma Shift by Hue



## Color Evaluation Sample



# RESOURCE – PHOTOMETRICS

SS\_WHE\_3.0-24\_DMP\_27k



**Light Efficiency:**



Output: 375 lm

**Light Quality:**



Peak: 135 cd

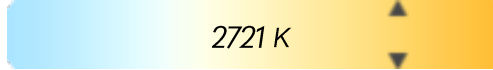
Power: 3.4 W

PF: 1.0

Rg 101.2

Gamut index Rg

**Color Temperature**



R9: 96.3

Duv: -0.0002

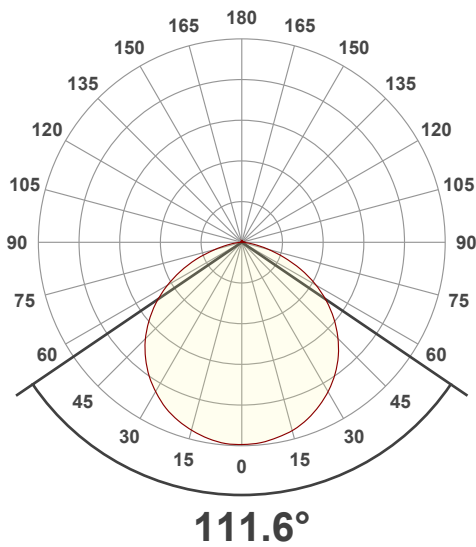
u': 0.262

v': 0.527

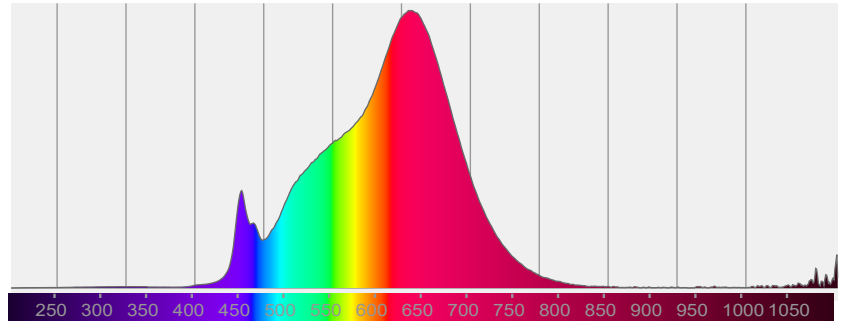
Rf 95.4

Fidelity index Rf

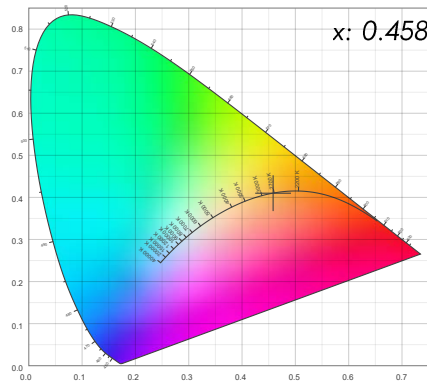
**Beam Angle:**



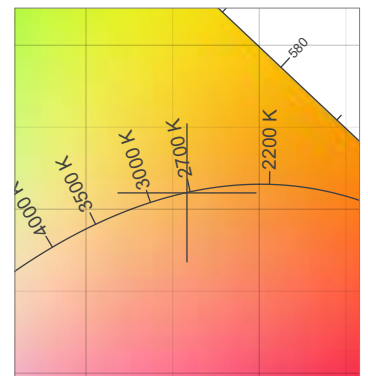
**Spectra:**



**CIE 1931:**

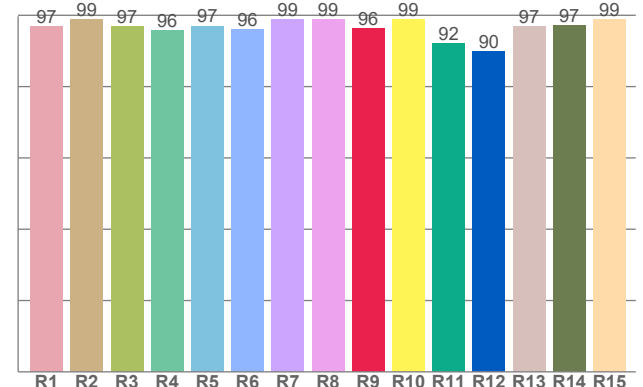
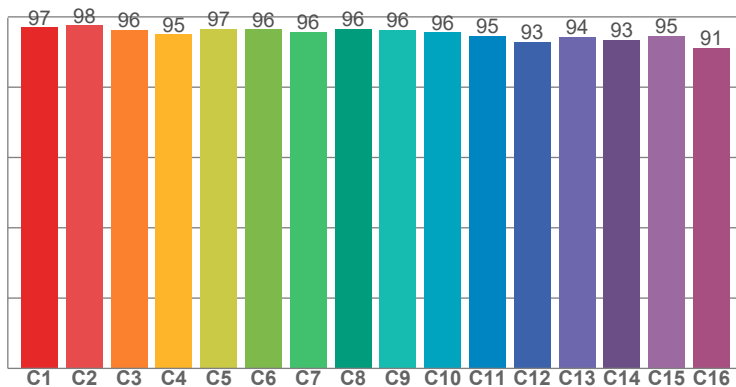


**CIE 1931 Zoom:**



TM30: 95.4

CRI: 97.4 96.8



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# RESOURCE – PHOTOMETRICS

SS\_WHE\_3.0-24\_DMP\_27k



CRI R values, only R1-R8 are used to calculate final CRI value

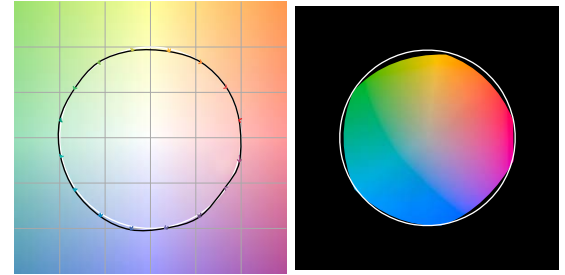
## Color Distortion

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96.8	98.8	96.9	95.7	97.0	96.1	98.9	98.9	96.3	98.8	92.1	89.9	96.9	97.1	98.8

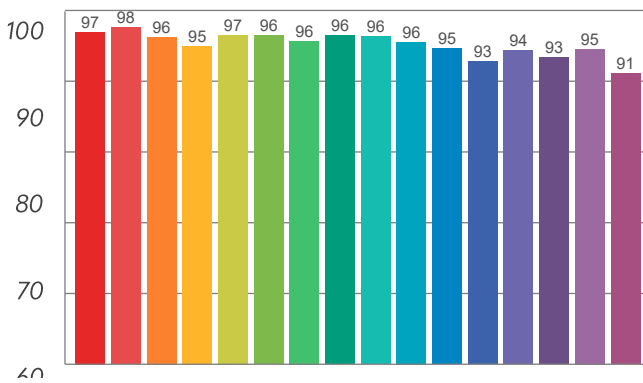
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
97.0	97.6	96.2	95.0	96.5	96.4	95.7	96.5	96.3	95.6	94.7	92.8	94.4	93.4	94.5	91.1

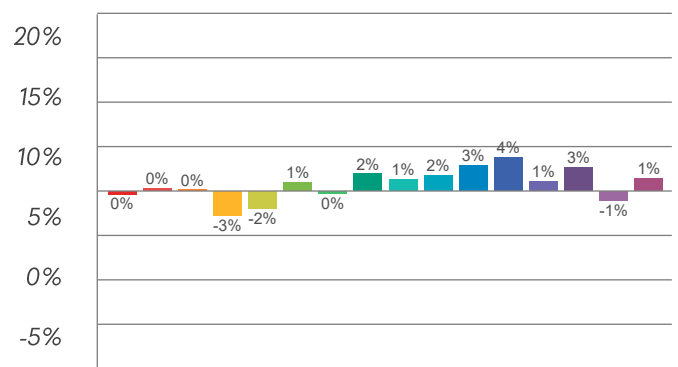
## Color Vector



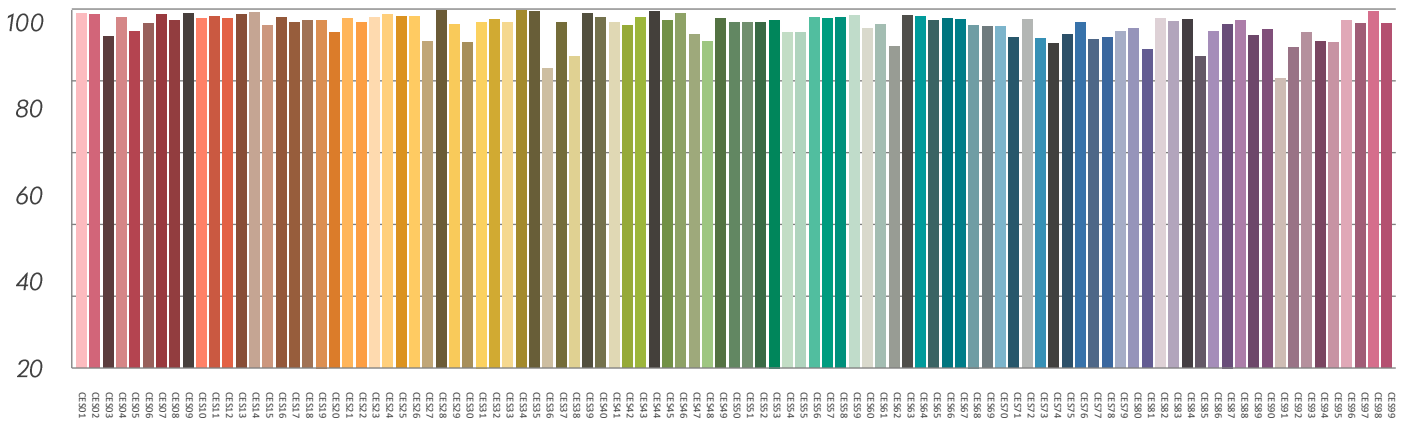
## Rf by Hue



## Chroma Shift by Hue



## Color Evaluation Sample



# RESOURCE – PHOTOMETRICS

SS\_WHE\_3.0-24\_DMP\_30k



## Light Efficiency:

117 Lumen/Watt

## Light Quality:

CRI: 97.8

## Color Temperature

2999 K

Output: 392 lm

Peak: 142 cd

Power: 3.4 W

PF: 1.0

R9: 98.4

Duv: -0.0007

u': 0.251

v': 0.520

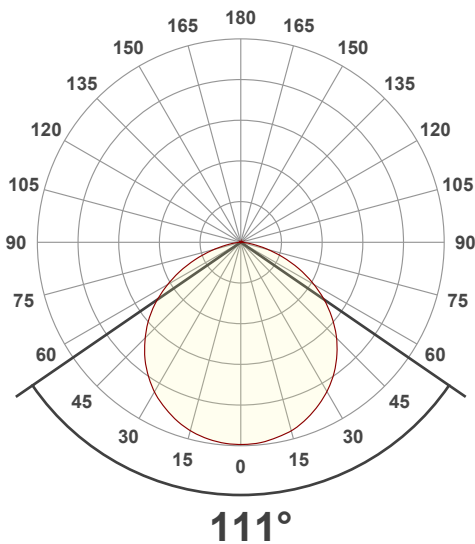
Rg 101.8

Gamut index Rg

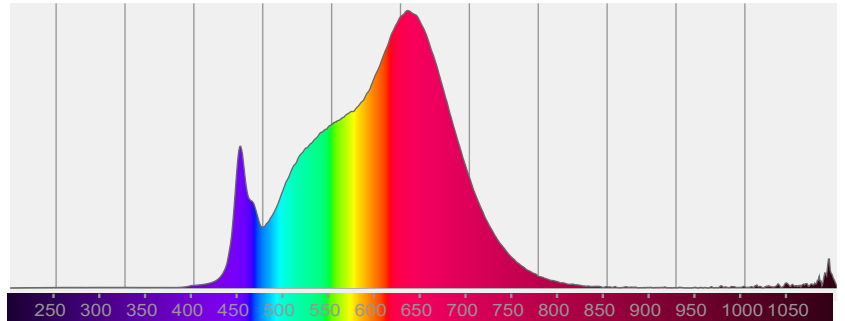
Rf 95.2

Fidelity index Rf

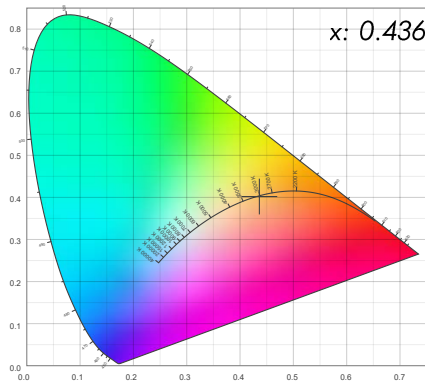
## Beam Angle:



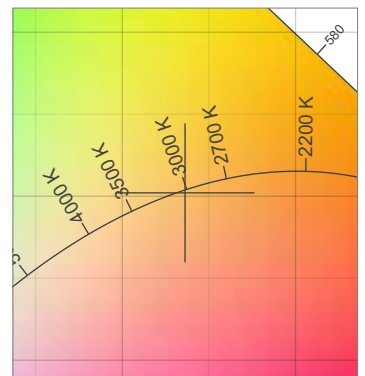
## Spectra:



## CIE 1931:

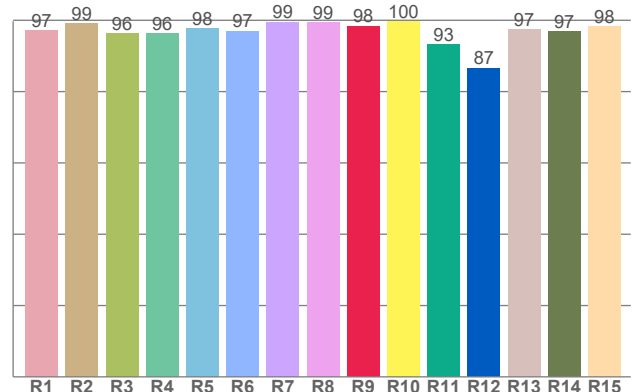
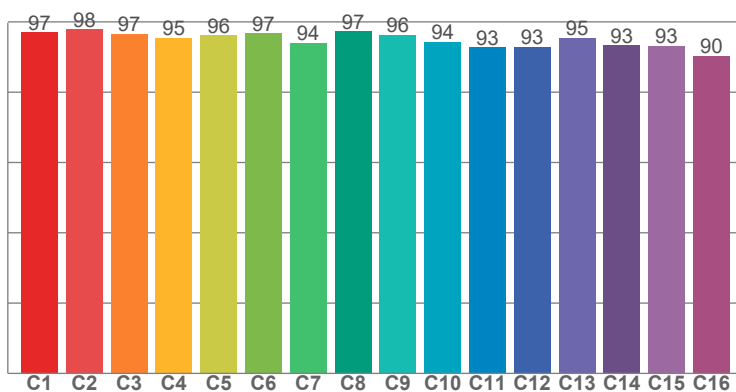


## CIE 1931 Zoom:



TM30: 95.2

CRI: 97.8 97.1



# RESOURCE – PHOTOMETRICS

SS\_WHE\_3.0-24\_DMP\_30k

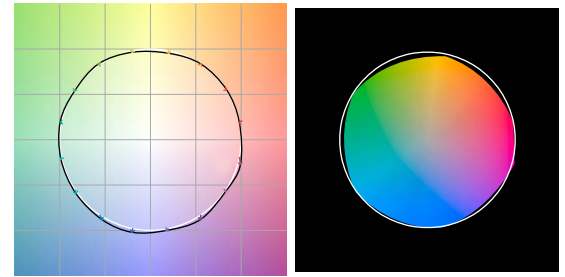


CRI R values, only R1-R8 are used to calculate final CRI value

## Color Distortion

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97.1	99.2	96.3	96.4	97.7	97.0	99.5	99.5	98.4	99.7	93.3	86.6	97.3	96.9	98.2

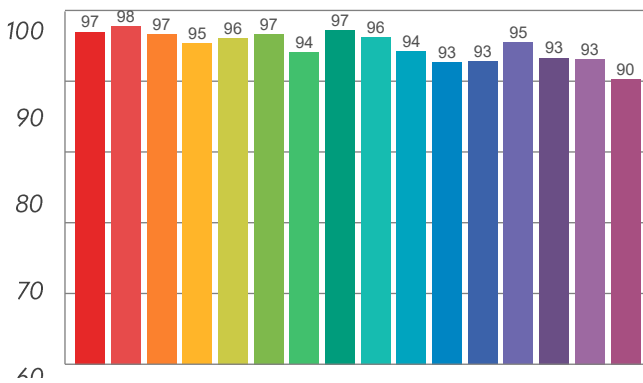
## Color Vector



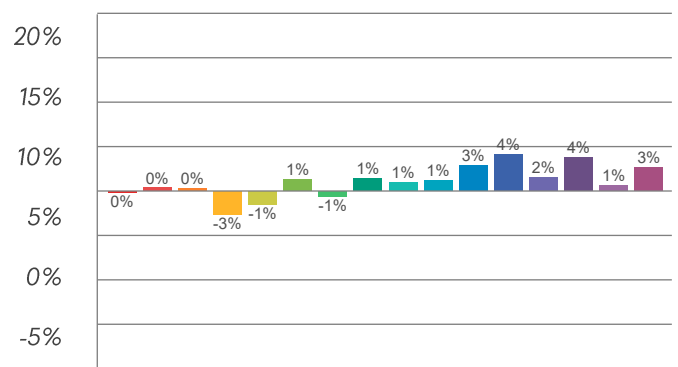
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
97.0	97.8	96.6	95.3	96.1	96.7	94.1	97.2	96.2	94.3	92.7	92.8	95.5	93.3	93.1	90.3

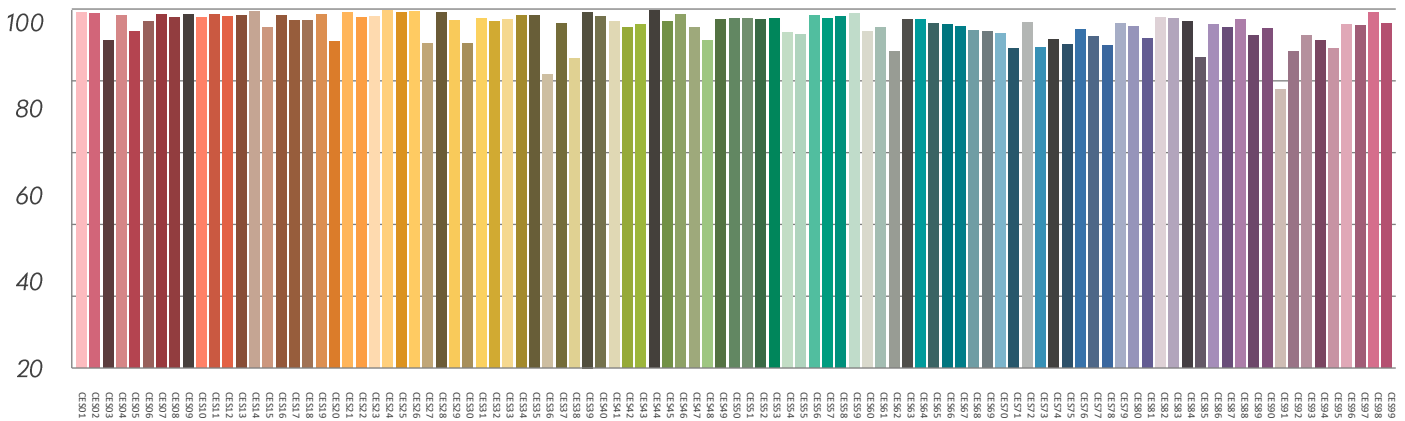
## Rf by Hue



## Chroma Shift by Hue



## Color Evaluation Sample





# RESOURCE – PHOTOMETRICS

SS\_WHE\_3.0-24\_DMP\_35k



## Light Efficiency:



Output: 407 lm

## Light Quality:

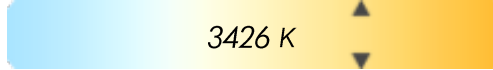


Peak: 146 cd

Power: 3.4 W

PF: 1.0

## Color Temperature



R9: 98.0

Duv: 0.0011

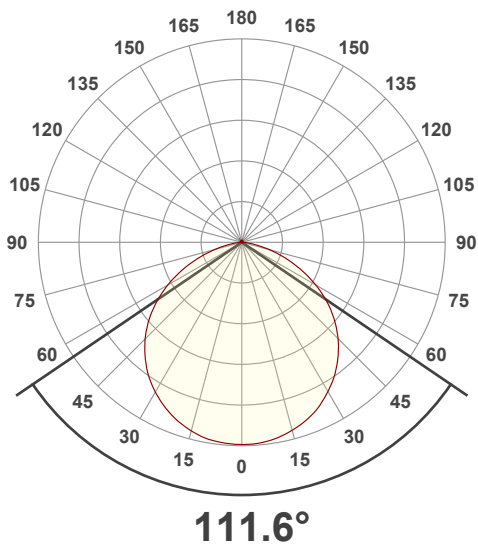
u': 0.237

v': 0.514

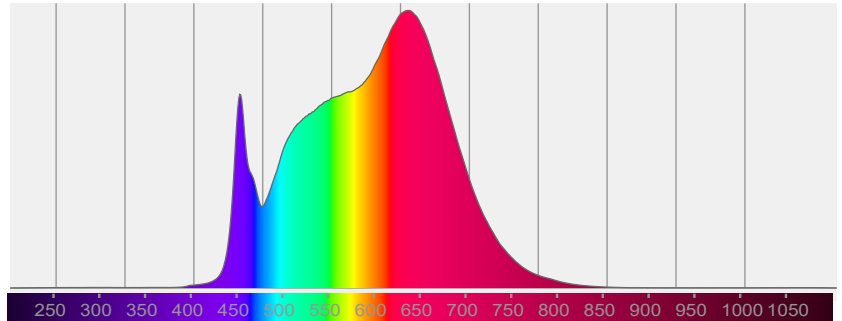
Rg 100.7  
Gamut index Rg

Rf 94.4  
Fidelity index Rf

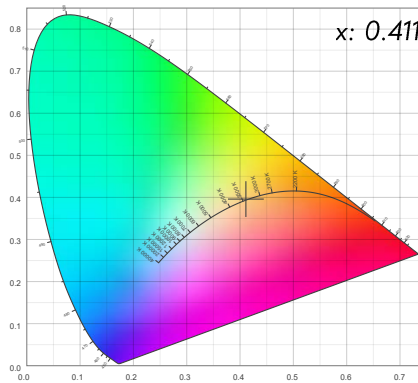
## Beam Angle:



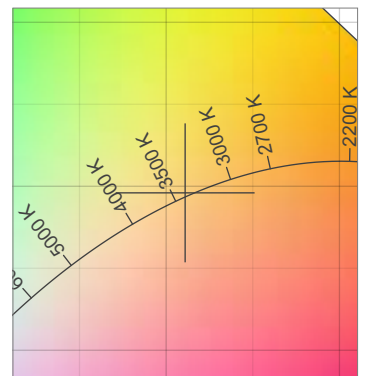
## Spectra:



## CIE 1931:

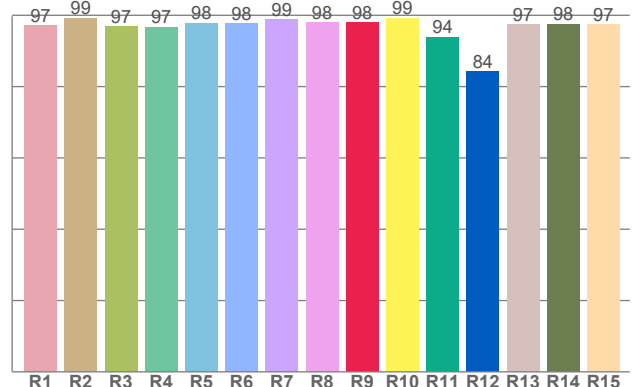
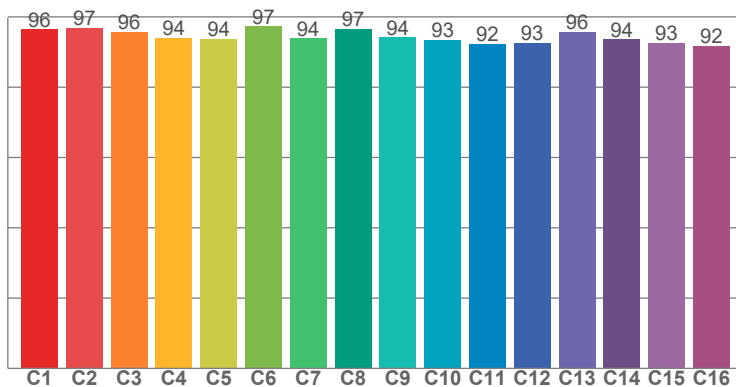


## CIE 1931 Zoom:



TM30: 94.4

CRI: 97.8 97.1



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# RESOURCE – PHOTOMETRICS

SS\_WHE\_3.0-24\_DMP\_35k

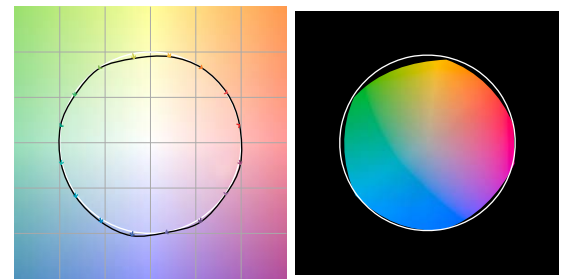


CRI R values, only R1-R8 are used to calculate final CRI value

## Color Distortion

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97.1	99.3	96.9	96.7	97.8	97.6	98.9	98.1	98.0	99.2	93.9	84.2	97.5	97.5	97.4

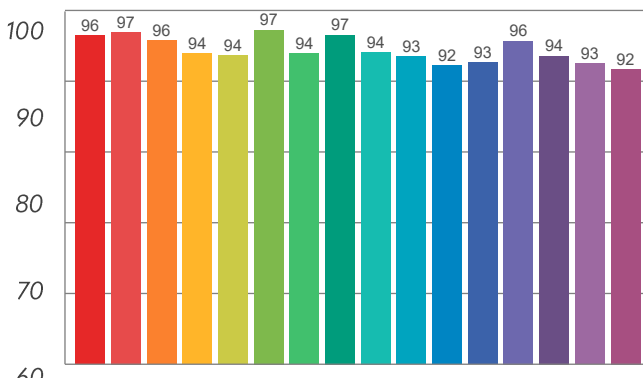
## Color Vector



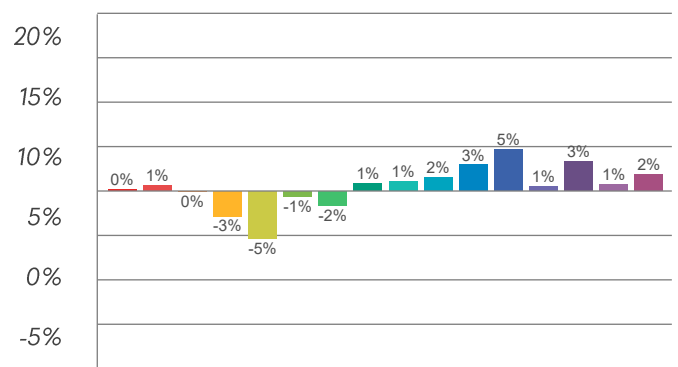
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96.4	96.9	95.7	93.9	93.6	97.3	93.9	96.6	94.2	93.5	92.2	92.7	95.7	93.6	92.5	91.7

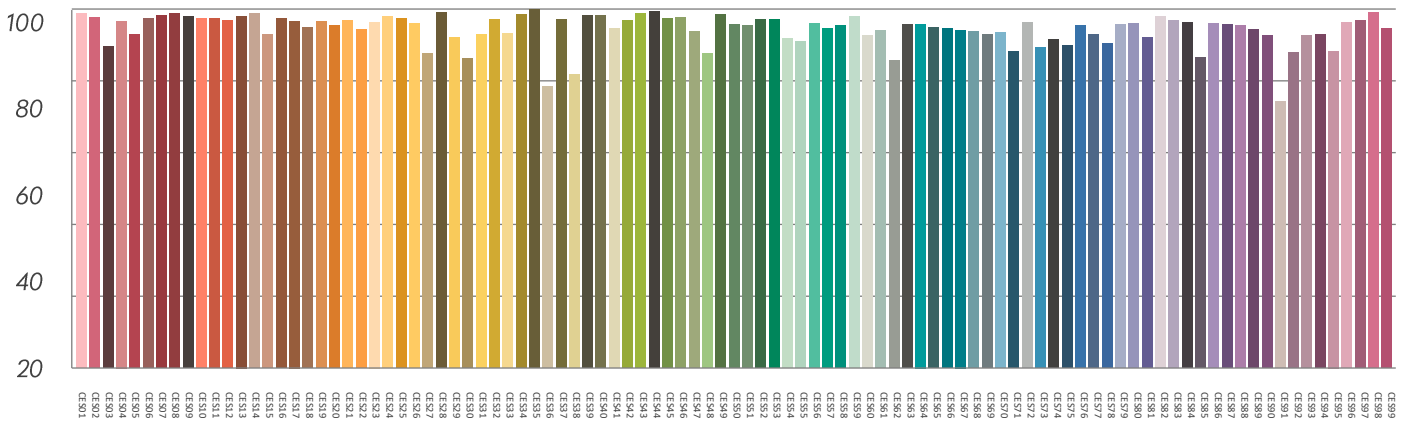
## Rf by Hue



## Chroma Shift by Hue



## Color Evaluation Sample



# RESOURCE – PHOTOMETRICS

SS\_WHE\_3.0-24\_DMP\_41k



**Light Efficiency:**



Output: 421 lm

**Light Quality:**



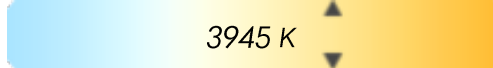
Peak: 150 cd

Power: 3.4 W

PF: 1.0

Rg 100.9  
Gamut index Rg

**Color Temperature**



R9: 97.0

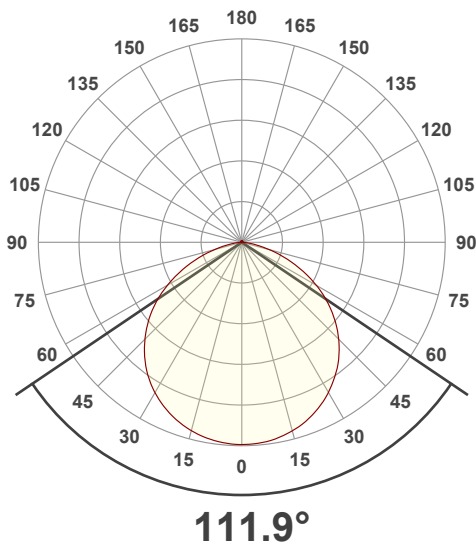
Duv: 0.0002

Rf 94.0  
Fidelity index Rf

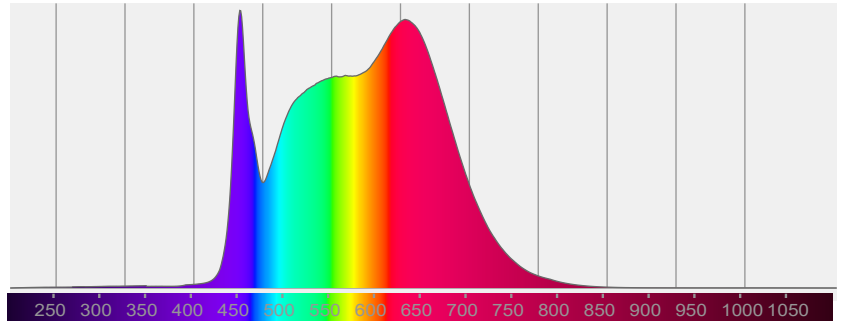
u': 0.226

v': 0.503

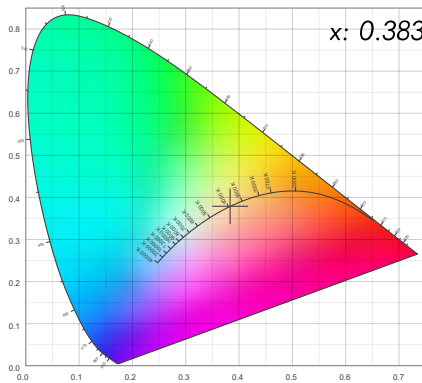
**Beam Angle:**



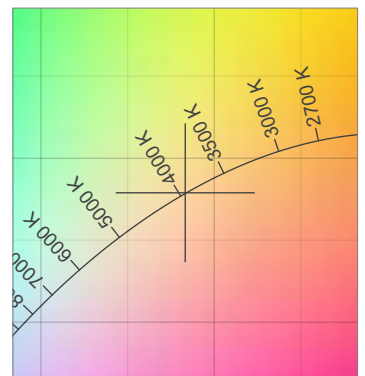
**Spectra:**



**CIE 1931:**

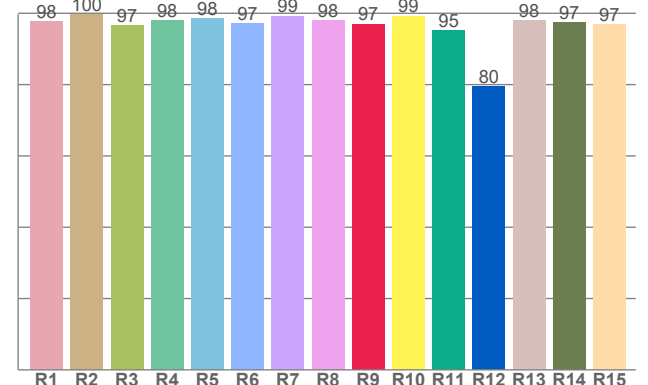
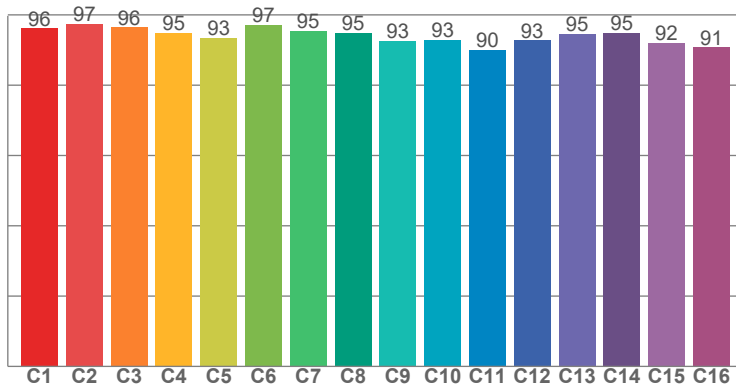


**CIE 1931 Zoom:**



TM30: 94.0

CRI: 98.1 97.7



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# RESOURCE – PHOTOMETRICS

SS\_WHE\_3.0-24\_DMP\_41k



CRI R values, only R1-R8 are used to calculate final CRI value

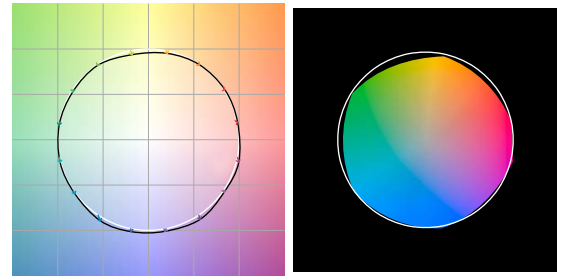
## Color Distortion

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97.7	99.7	96.6	98.0	98.5	97.2	99.2	98.0	97.0	99.3	95.2	79.6	98.0	97.5	96.8

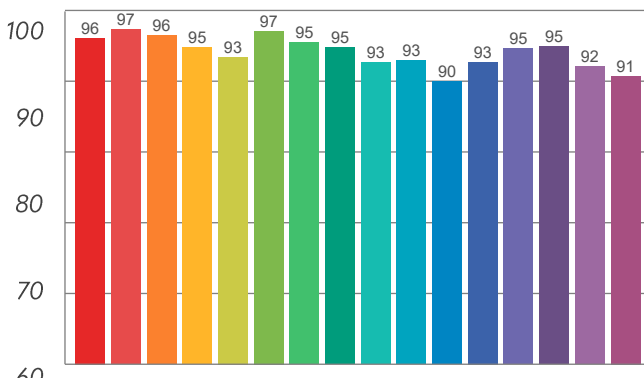
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96.1	97.3	96.5	94.8	93.4	97.1	95.4	94.8	92.7	92.9	89.9	92.7	94.6	94.9	92.1	90.8

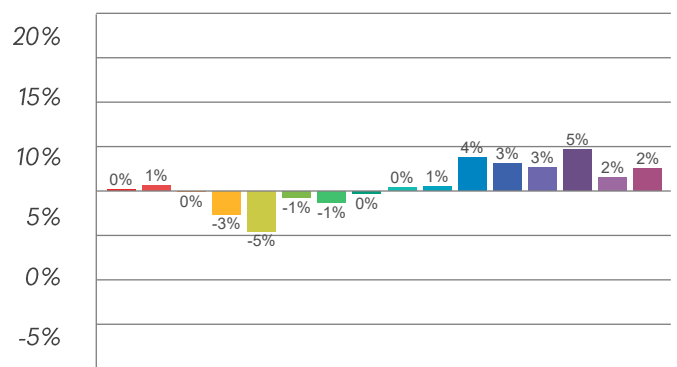
## Color Vector



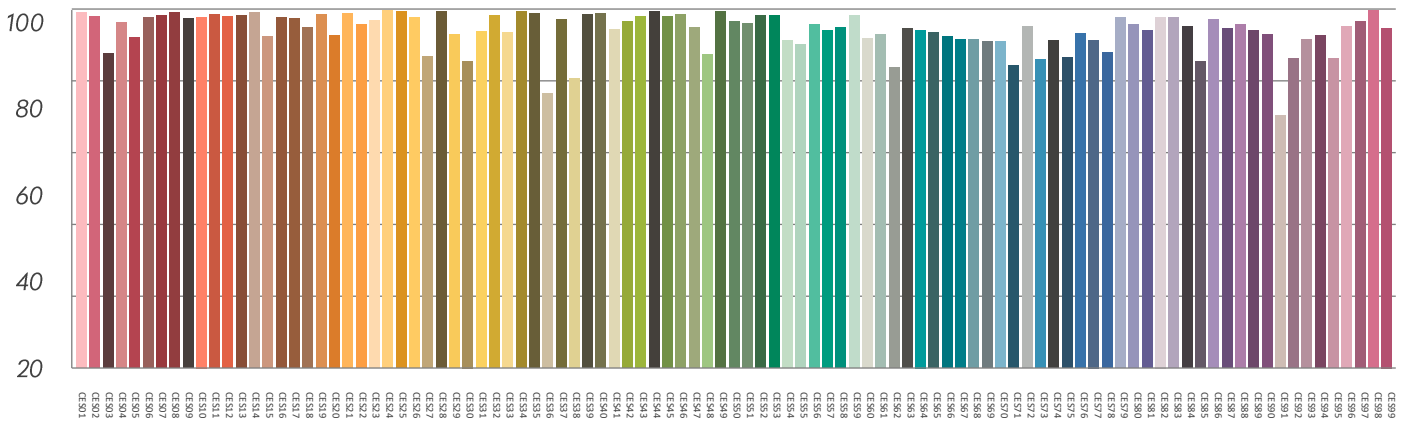
## Rf by Hue



## Chroma Shift by Hue



## Color Evaluation Sample



# RESOURCE – PHOTOMETRICS

SS\_WHE\_3.0-24\_DRY\_22k



## Light Efficiency:



Output: 363 lm

## Light Quality:



Peak: 123 cd

Power: 3.4 W

PF: 1.0

R9: 95.8

Duv: -0.0004

u': 0.286

v': 0.534

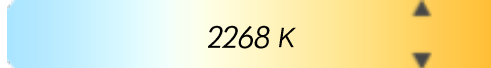
Rg 101.2

Gamut index Rg

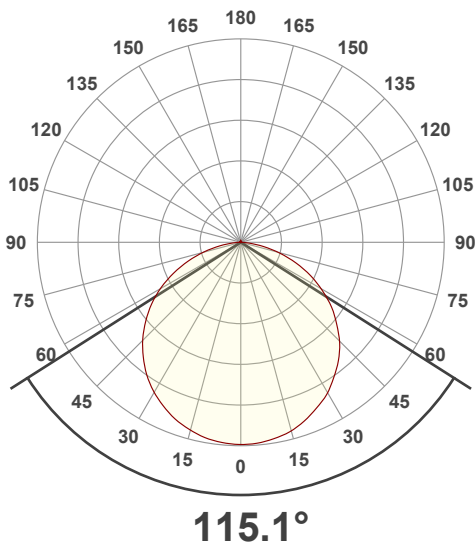
Rf 94.5

Fidelity index Rf

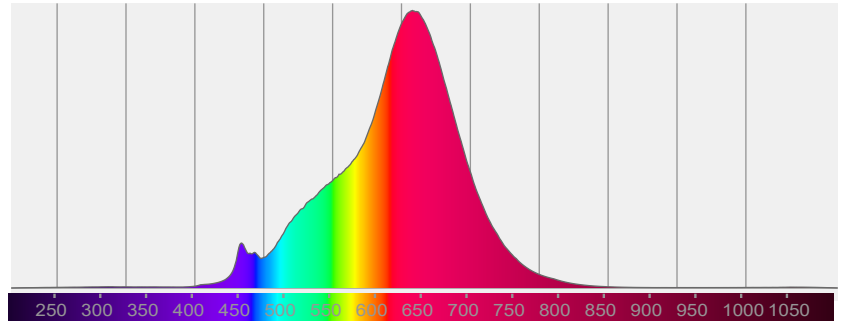
## Color Temperature



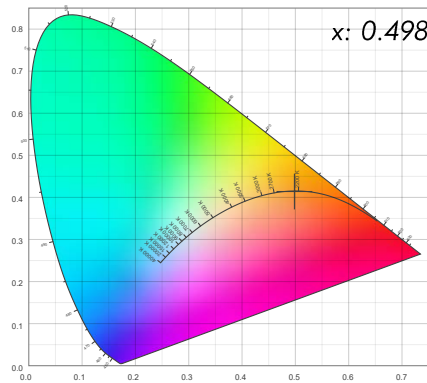
## Beam Angle:



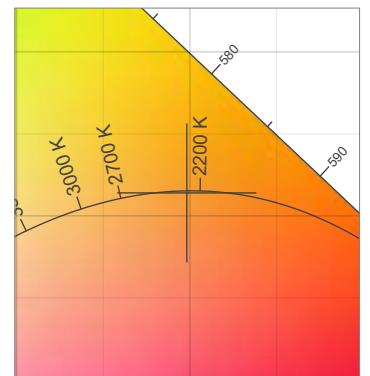
## Spectra:



## CIE 1931:

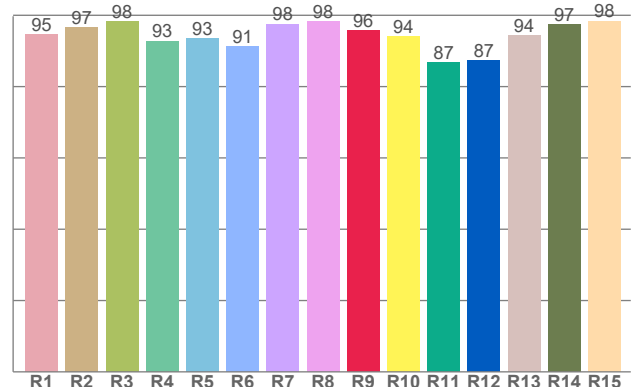
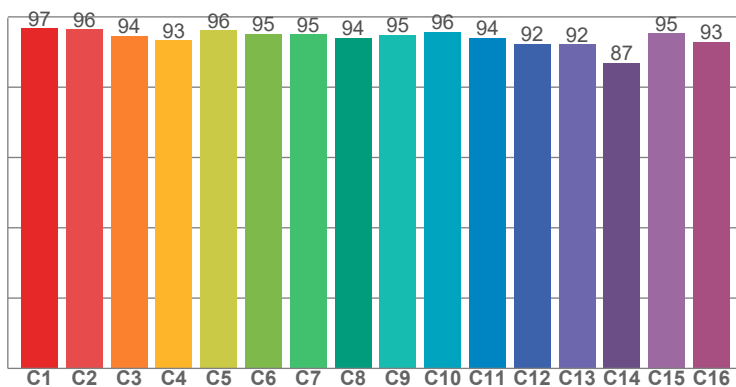


## CIE 1931 Zoom:



TM30: 94.5

CRI: 95.3 94.6



# RESOURCE – PHOTOMETRICS

SS\_WHE\_3.0-24\_DRY\_22k



CRI R values, only R1-R8 are used to calculate final CRI value

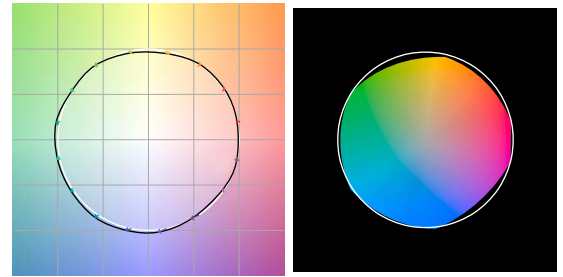
## Color Distortion

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94.6	96.5	98.2	92.8	93.4	91.3	97.6	98.3	95.8	94.0	86.7	87.4	94.3	97.4	98.4

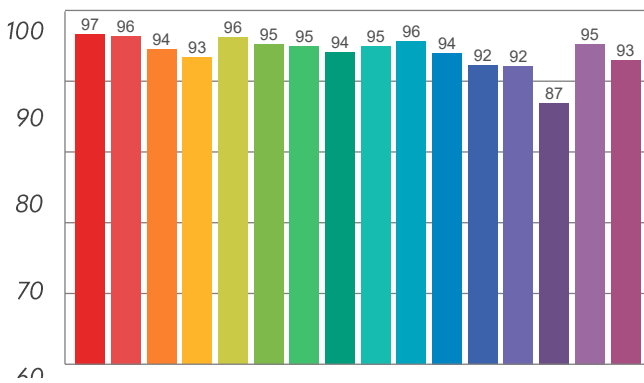
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96.7	96.4	94.5	93.3	96.1	95.2	95.0	94.0	95.0	95.6	94.0	92.2	92.2	86.9	95.3	93.0

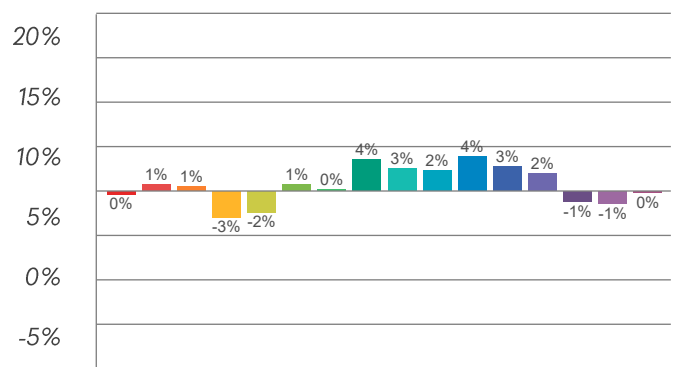
## Color Vector



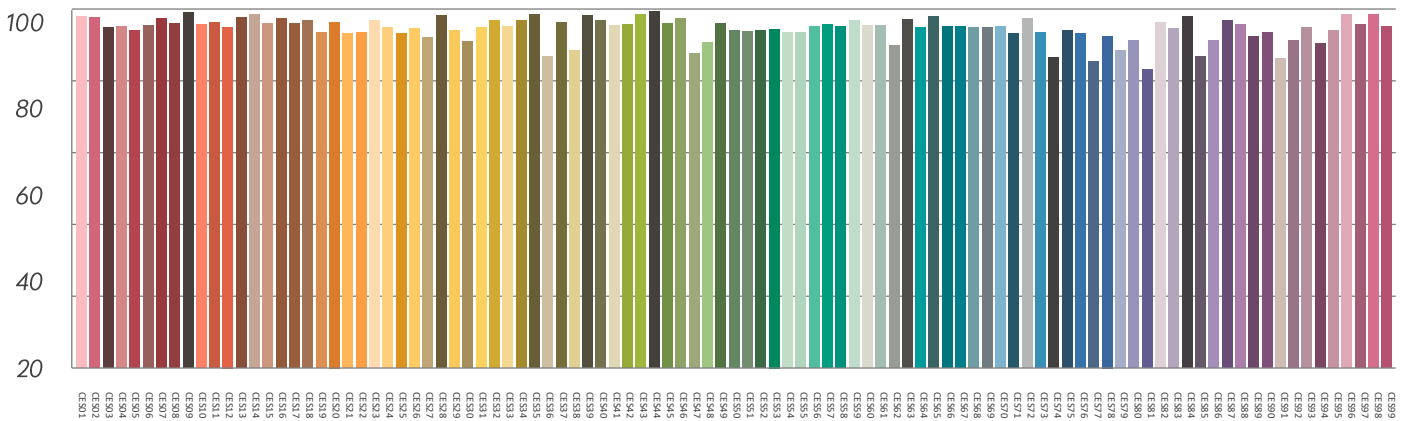
## Rf by Hue



## Chroma Shift by Hue



## Color Evaluation Sample



# RESOURCE – PHOTOMETRICS

SS\_WHE\_3.0-24\_DRY\_25k



**Light Efficiency:**



Output: 317 lm

**Light Quality:**



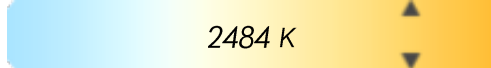
Peak: 108 cd

Power: 3.4 W

PF: 1.0

Rg 101.1  
Gamut index Rg

**Color Temperature**



R9: 94.2

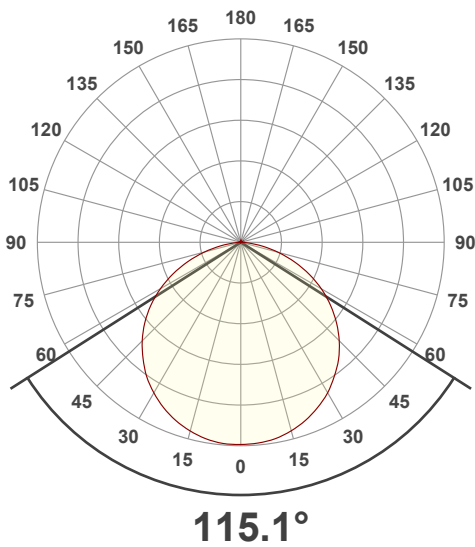
Duv: -0.0003

Rf 95.0  
Fidelity index Rf

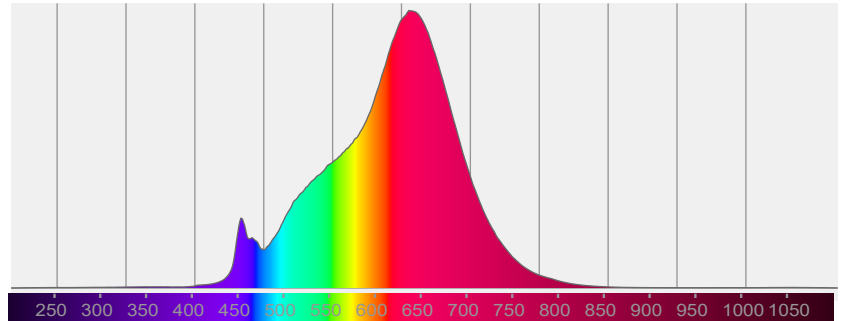
u': 0.273

v': 0.531

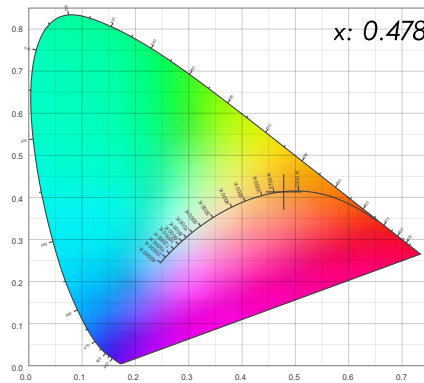
**Beam Angle:**



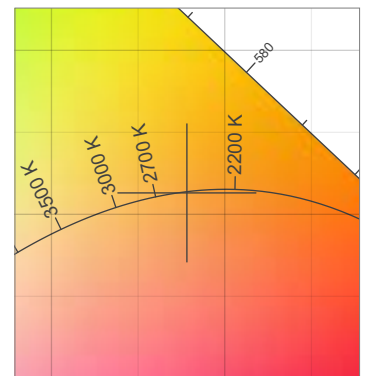
**Spectra:**



**CIE 1931:**

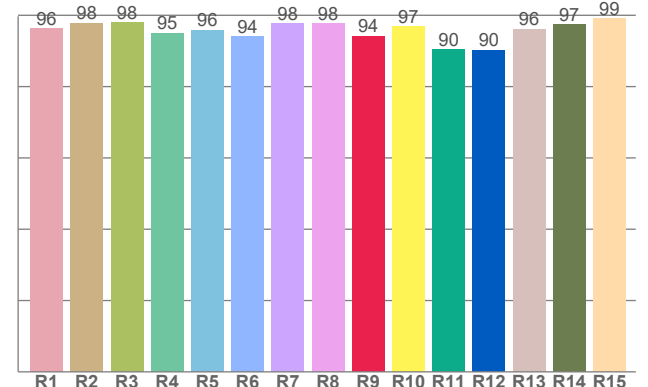
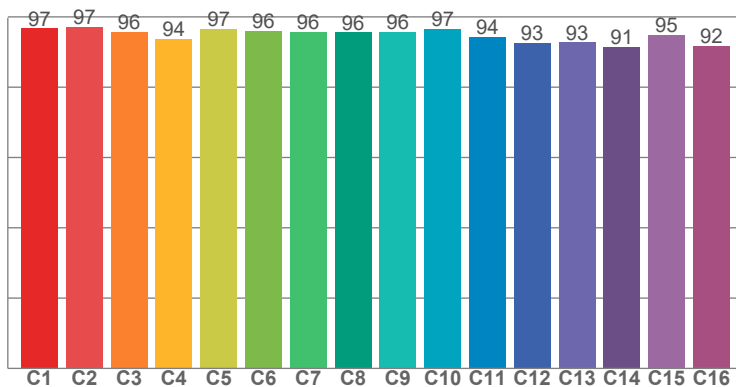


**CIE 1931 Zoom:**



TM30: 95.0

CRI: 96.6 96.3



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# RESOURCE – PHOTOMETRICS

SS\_WHE\_3.0-24\_DRY\_25k

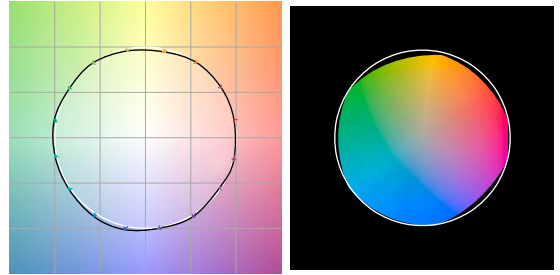


CRI R values, only R1-R8 are used to calculate final CRI value

## Color Distortion

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96.3	97.9	97.9	95.1	95.8	94.0	97.8	97.7	94.2	96.8	90.5	90.3	96.1	97.5	99.1

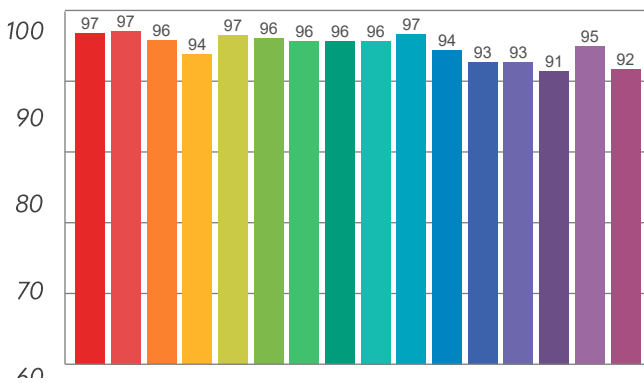
## Color Vector



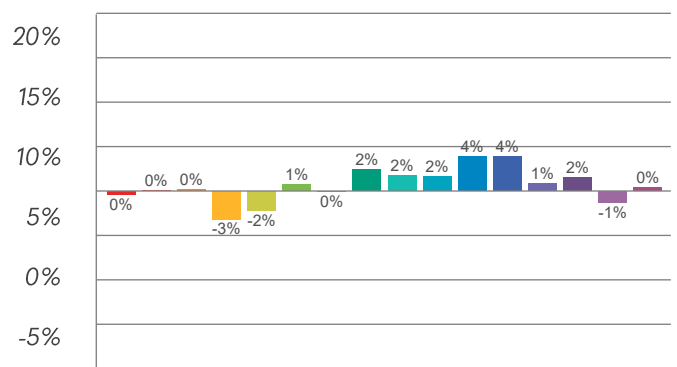
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96.7	97.1	95.8	93.8	96.5	96.1	95.6	95.6	95.7	96.6	94.4	92.6	92.7	91.4	94.9	91.7

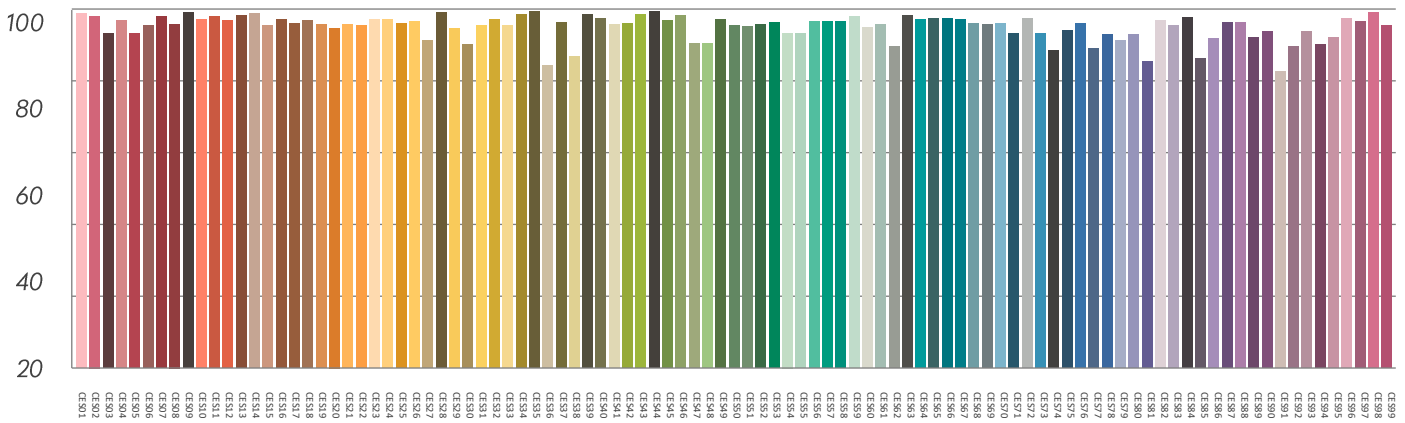
## Rf by Hue



## Chroma Shift by Hue



## Color Evaluation Sample





# RESOURCE – PHOTOMETRICS

SS\_WHE\_3.0-24\_DRY\_27k



**Light Efficiency:**



Output: 334 lm

**Light Quality:**



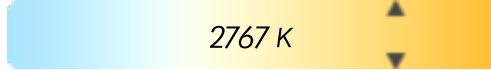
Peak: 114 cd

Power: 3.4 W

PF: 1.0

R<sub>g</sub> 100.8  
Gamut index R<sub>g</sub>

**Color Temperature**



R<sub>9</sub>: 96.0

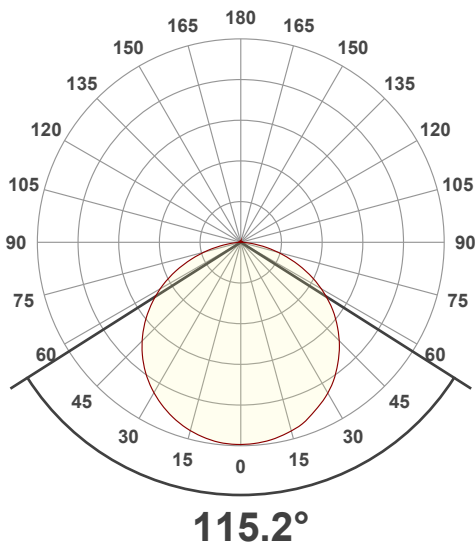
Duv: 0.0004

u': 0.260

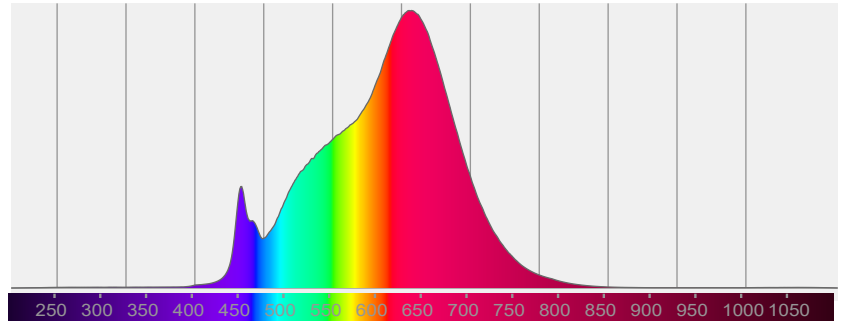
v': 0.527

R<sub>f</sub> 95.3  
Fidelity index R<sub>f</sub>

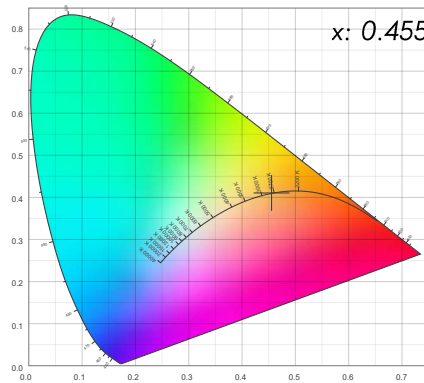
**Beam Angle:**



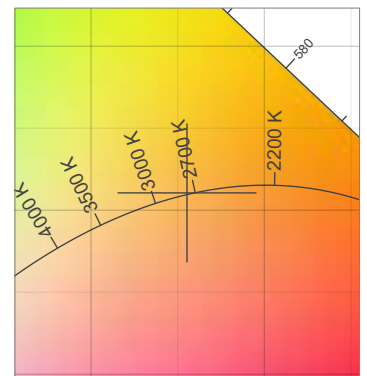
**Spectra:**



**CIE 1931:**

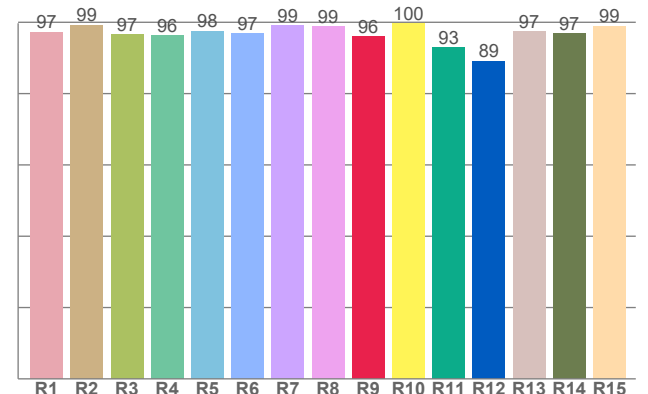
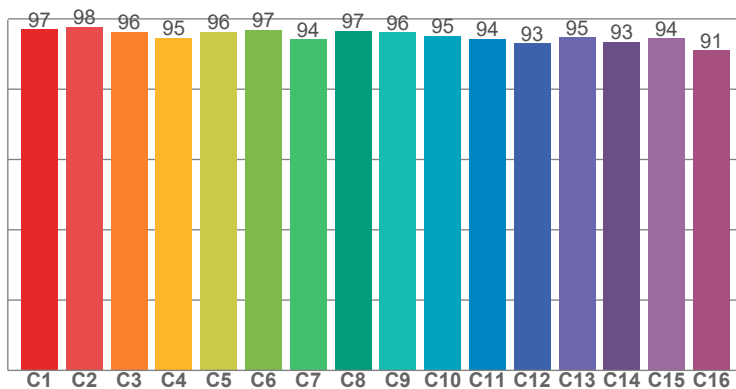


**CIE 1931 Zoom:**



TM30: 95.3

CRI: 97.7 97.3



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# RESOURCE – PHOTOMETRICS

SS\_WHE\_3.0-24\_DRY\_27k

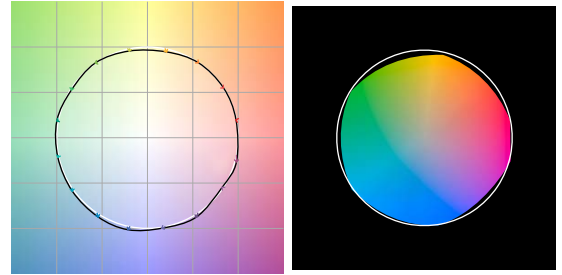


CRI R values, only R1-R8 are used to calculate final CRI value

## Color Distortion

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97.3	99.2	96.6	96.2	97.6	96.9	99.1	98.8	96.0	99.7	92.8	89.2	97.5	96.9	98.9

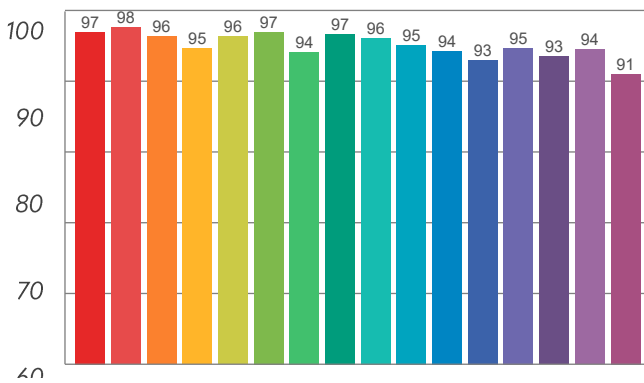
## Color Vector



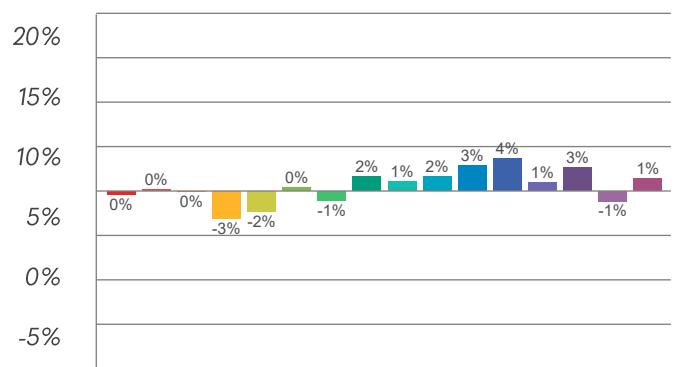
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
97.0	97.6	96.3	94.6	96.3	96.9	94.1	96.6	96.1	95.1	94.3	93.0	94.7	93.5	94.4	91.0

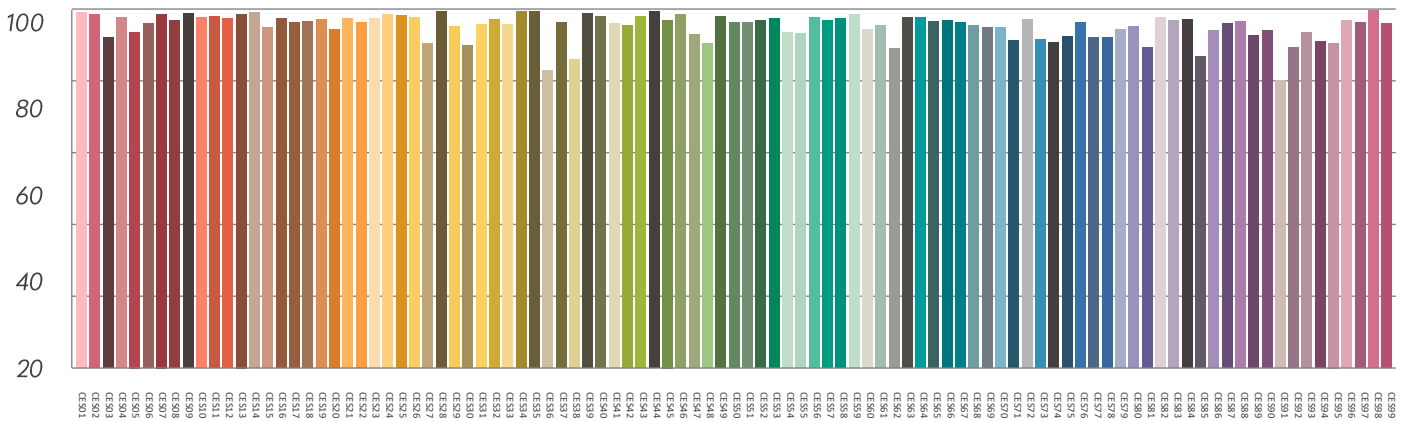
## Rf by Hue



## Chroma Shift by Hue



## Color Evaluation Sample



# RESOURCE – PHOTOMETRICS

SS\_WHE\_3.0-24\_DRY\_30k



## Light Efficiency:

102 Lumen/Watt

Output: 348 lm

## Light Quality:

CRI: 98.2

Peak: 118 cd

Power: 3.4 W

PF: 1.0

R9: 97.8

Duv: -0.0003

u': 0.248

v': 0.520

Rg 101.7

Gamut index Rg

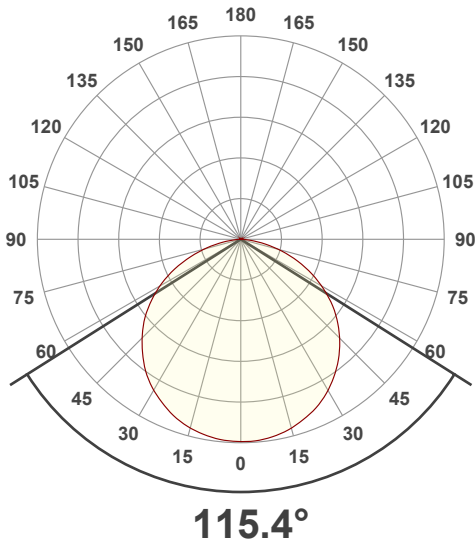
Rf 95.1

Fidelity index Rf

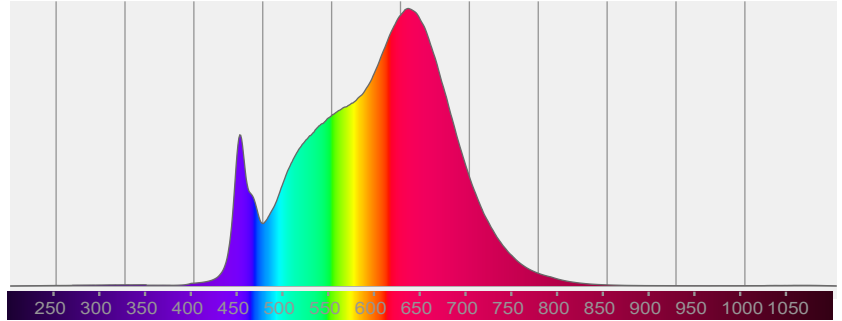
## Color Temperature

3076 K

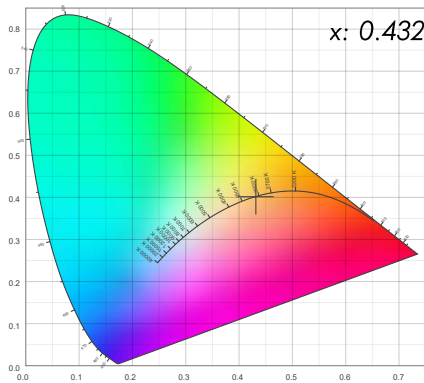
## Beam Angle:



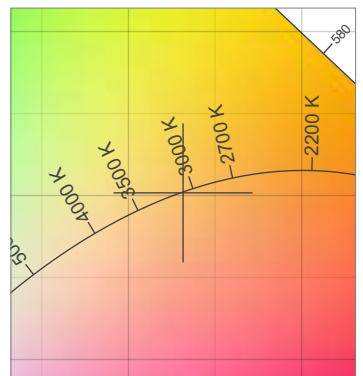
## Spectra:



## CIE 1931:

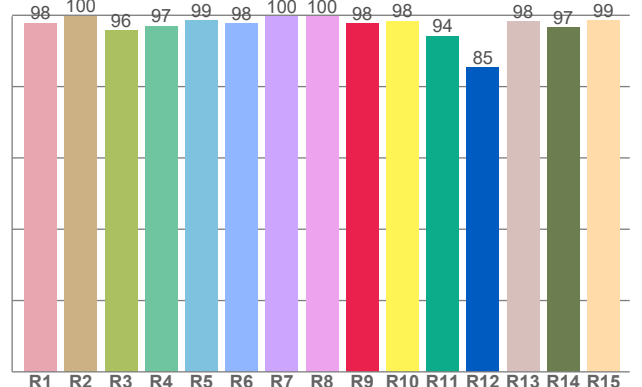
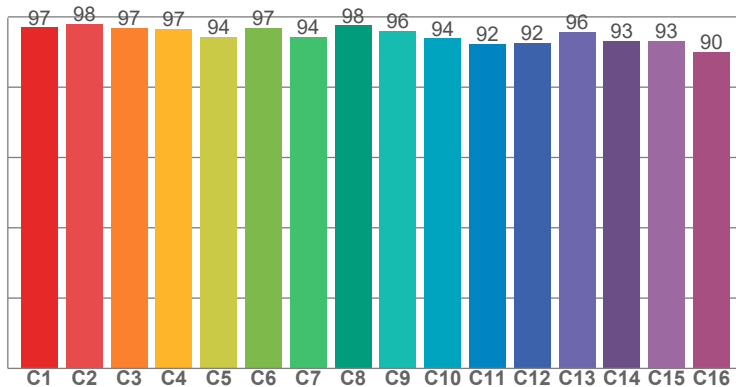


## CIE 1931 Zoom:



TM30: 95.1

CRI: 98.2 97.8



# RESOURCE – PHOTOMETRICS

SS\_WHE\_3.0-24\_DRY\_30k

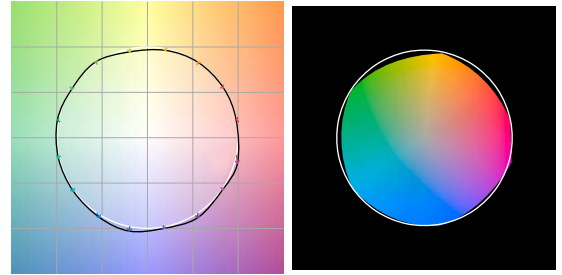


CRI R values, only R1-R8 are used to calculate final CRI value

## Color Distortion

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97.8	99.8	95.8	97.0	98.6	97.6	99.6	99.6	97.8	98.4	94.2	85.3	98.2	96.7	98.6

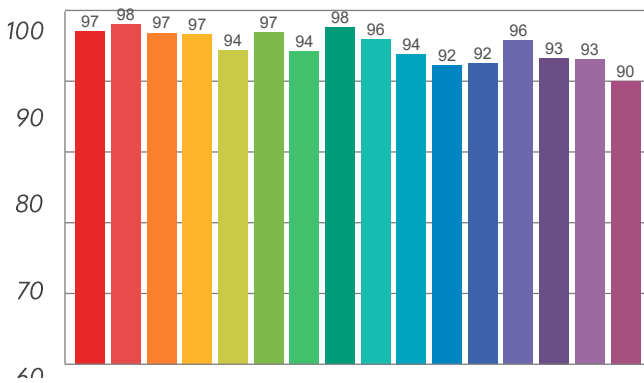
## Color Vector



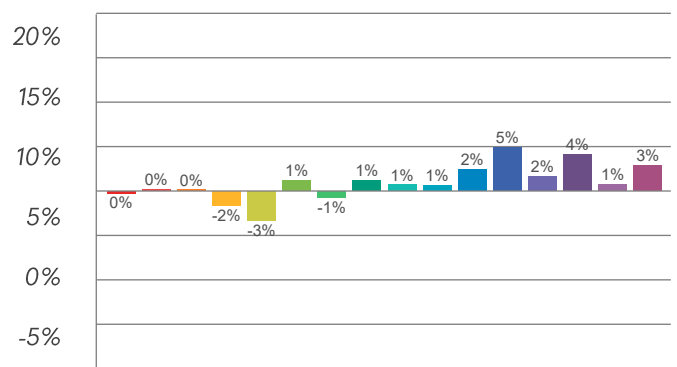
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
97.0	98.0	96.8	96.7	94.3	96.9	94.2	97.6	96.0	93.8	92.2	92.5	95.8	93.3	93.1	90.0

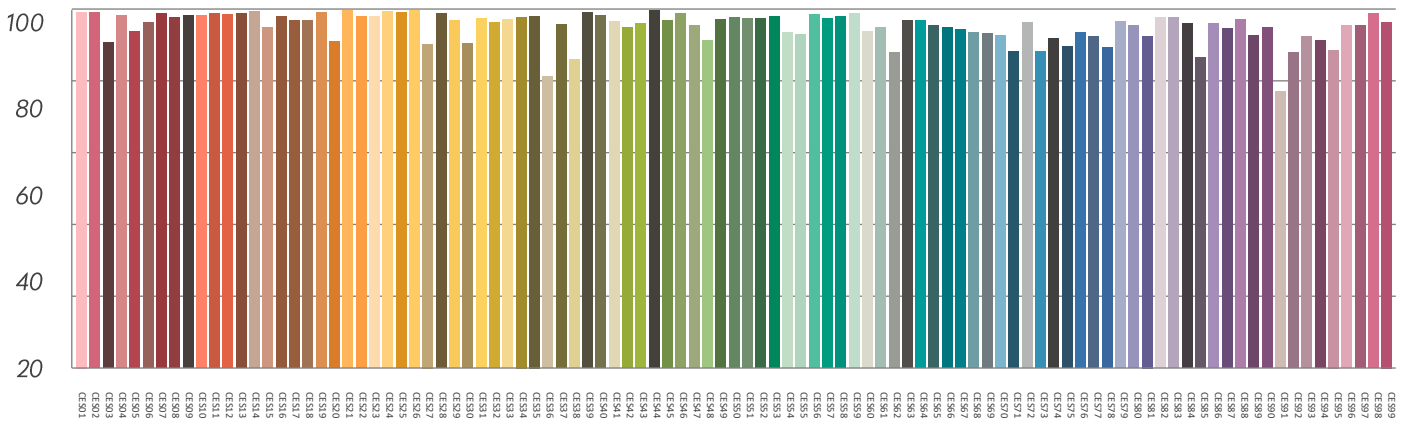
## Rf by Hue



## Chroma Shift by Hue



## Color Evaluation Sample



# RESOURCE – PHOTOMETRICS

SS\_WHE\_3.0-24\_DRY\_35k



**Light Efficiency:**



Output: 359 lm

**Light Quality:**



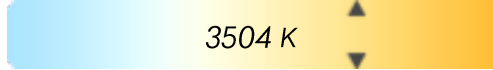
Peak: 121 cd

Power: 3.5 W

PF: 1.0

Rg 100.3  
Gamut index Rg

**Color Temperature**



R9: 99.1

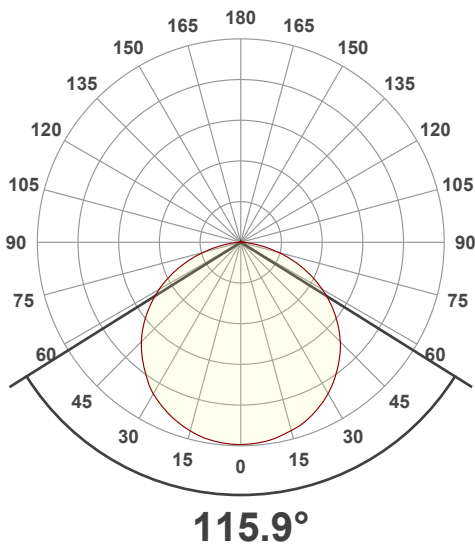
Duv: 0.0016

u': 0.235

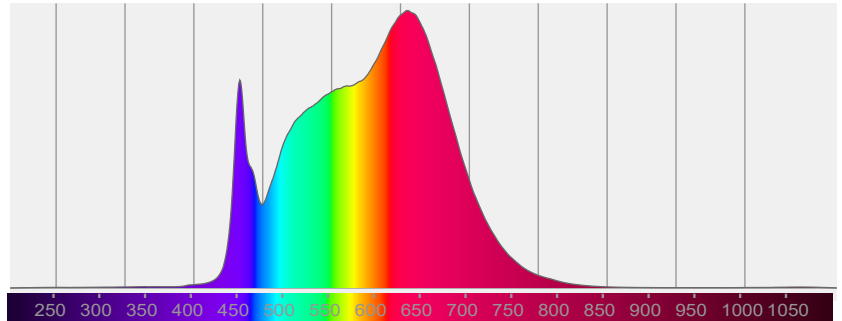
v': 0.513

Rf 94.4  
Fidelity index Rf

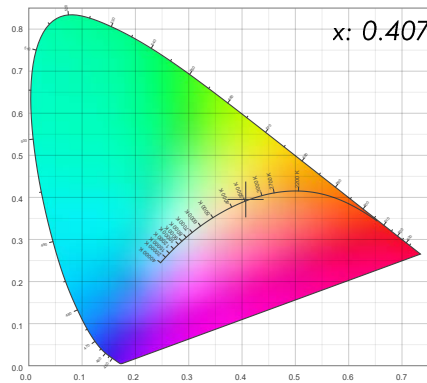
**Beam Angle:**



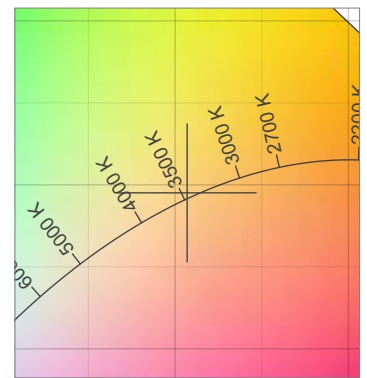
**Spectra:**



**CIE 1931:**

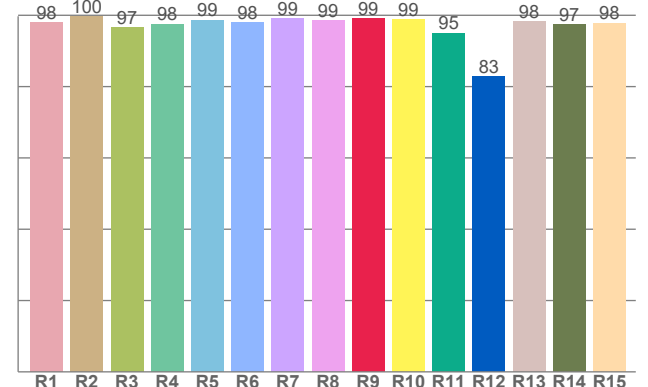
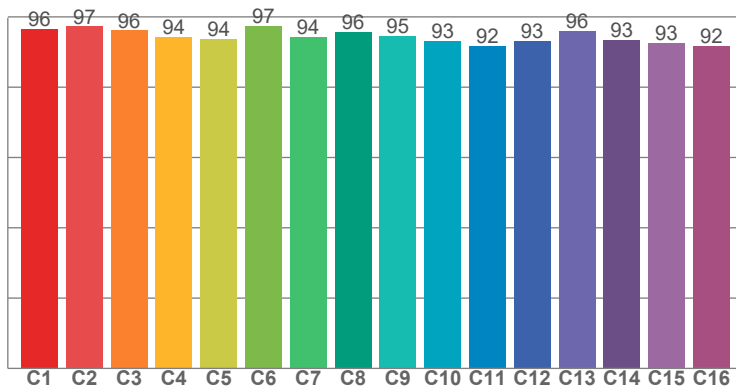


**CIE 1931 Zoom:**



TM30: 94.4

CRI: 98.3 98.0



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# RESOURCE – PHOTOMETRICS

SS\_WHE\_3.0-24\_DRY\_35k

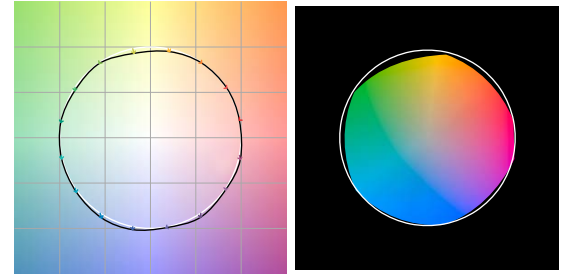


CRI R values, only R1-R8 are used to calculate final CRI value

## Color Distortion

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98.0	99.6	96.6	97.6	98.7	98.1	99.0	98.5	99.1	98.7	95.0	82.9	98.3	97.4	97.8

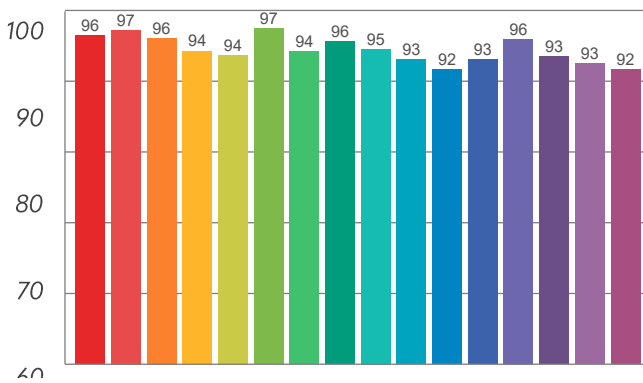
## Color Vector



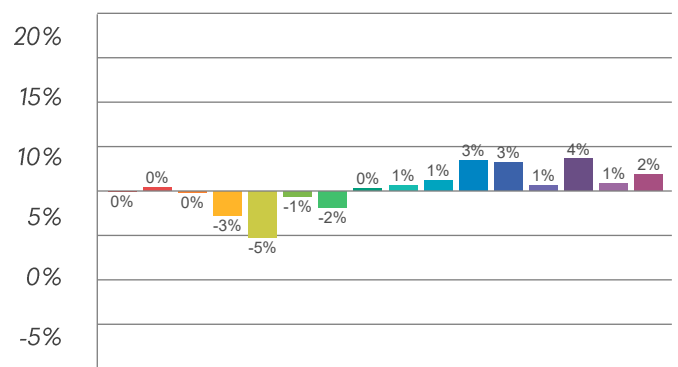
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96.5	97.2	96.1	94.3	93.7	97.4	94.2	95.6	94.5	93.1	91.6	93.1	95.9	93.5	92.5	91.6

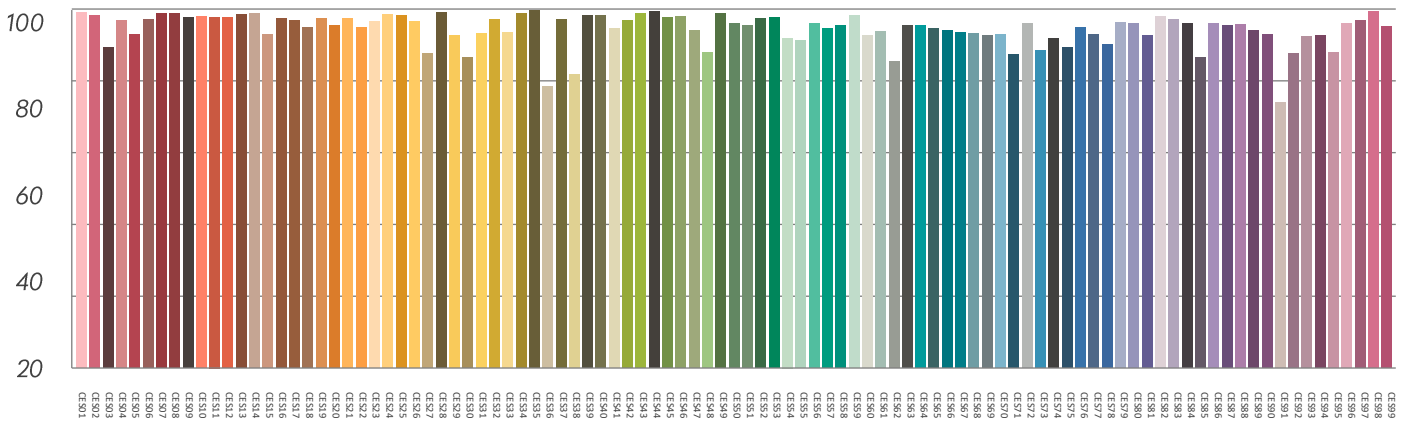
## Rf by Hue



## Chroma Shift by Hue



## Color Evaluation Sample



# RESOURCE – PHOTOMETRICS

SS\_WHE\_3.0-24\_DRY\_41k



## Light Efficiency:

107 Lumen/Watt

## Light Quality:

CRI: 98.3

## Color Temperature

4020 K

Output: 367 lm

Peak: 123 cd

Power: 3.4 W

PF: 1.0

R9: 98.6

Duv: 0.0006

u': 0.224

v': 0.502

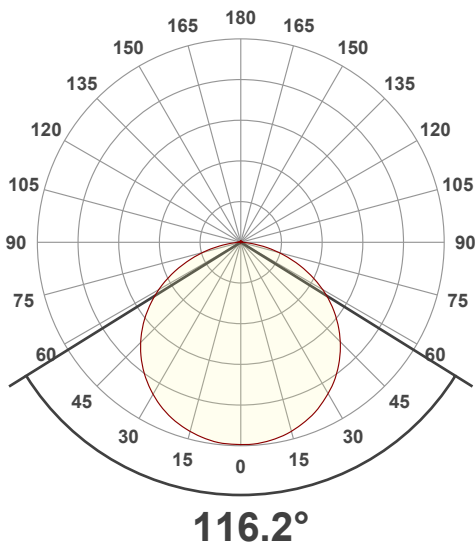
Rg 100.6

Gamut index Rg

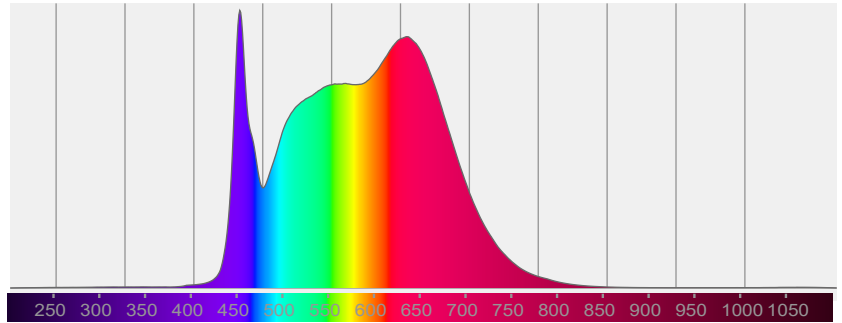
Rf 93.9

Fidelity index Rf

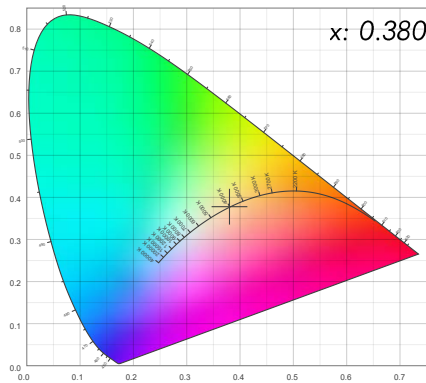
## Beam Angle:



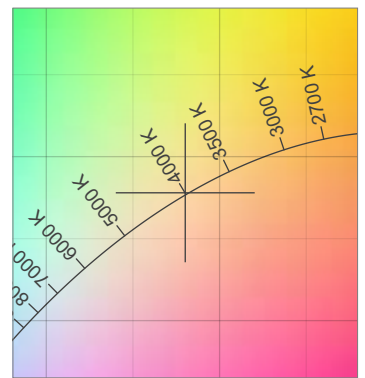
## Spectra:



## CIE 1931:

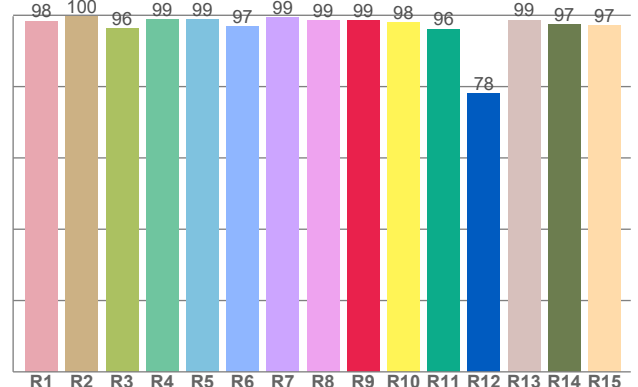
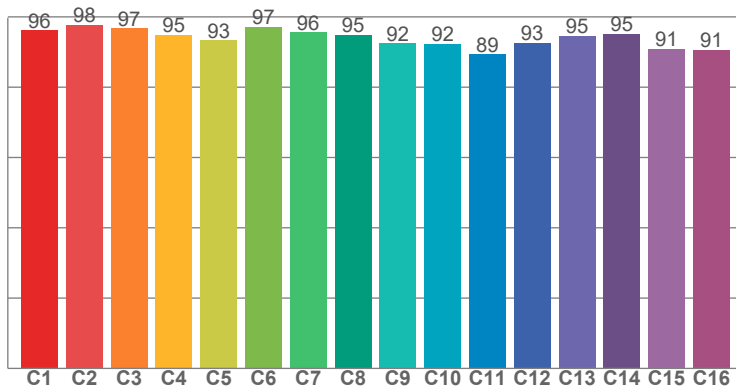


## CIE 1931 Zoom:



TM30: 93.9

CRI: 98.3 98.4



# RESOURCE – PHOTOMETRICS

SS\_WHE\_3.0-24\_DRY\_41k



CRI R values, only R1-R8 are used to calculate final CRI value

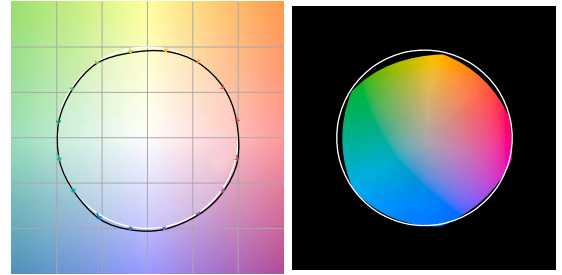
## Color Distortion

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98.4	99.7	96.4	98.8	98.7	96.9	99.3	98.5	98.6	98.0	96.2	78.1	98.7	97.4	97.1

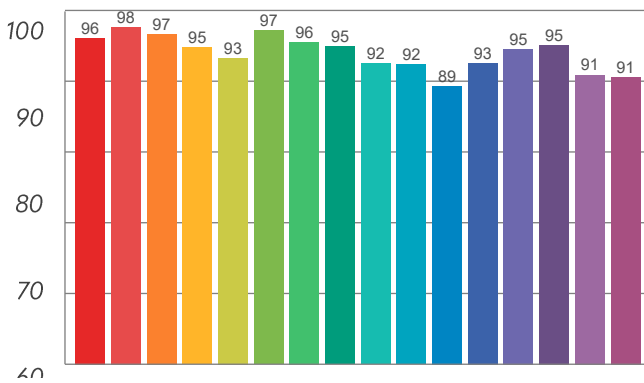
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96.1	97.6	96.7	94.8	93.3	97.2	95.6	94.9	92.5	92.3	89.3	92.6	94.6	95.1	90.9	90.6

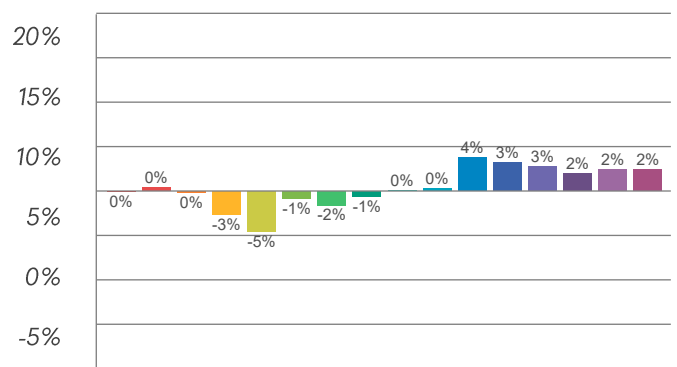
## Color Vector



## Rf by Hue



## Chroma Shift by Hue



## Color Evaluation Sample

