

LED Test Report

Product Mark

Product Type : ORCoR300-K52-7840R2 RGB

Manufacturer : -

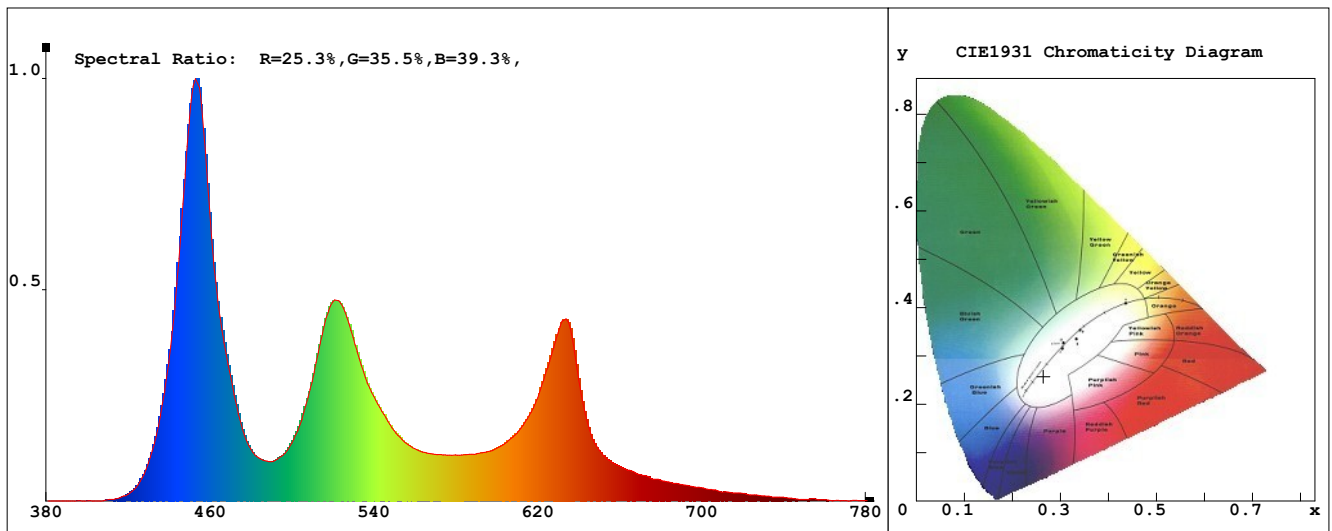
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-03-20

Remark:



Chroma Parameters

Chro.Coord.:x=0.2642 y=0.2570 u=0.1902 v=0.2776 duv=-0.0059

CCT:17374K Dominant Wave.:475.0nm Purity:30.9% Centre Wave:452.6nm

Flux RGB Ratio:R=17.7%,G=76.3%,B=6.0% Peak Wave:452.8nm Half Width:19.5nm

Rendering Index:Ra= 71.5 CRI= 70.9

R1 =63 R2 =92 R3 =71 R4 =58 R5 =75 R6 =92 R7 =79 R8 =45

R9 =-69 R10=88 R11=42 R12=66 R13=69 R14=81 R15=52

PPF:12.276umol/s (400-700nm)

PRF:2.8mW (400-700nm)

PAR:2.3mW (400-700nm)

Photo Parameters

Flux:710.32lm Effi.:37.4lm/W Radiant:2820.6mW Iv:0.0mcd

Scotopic Flux:2223.6Plm Effi.:0.0Plm/W S/P:3.1

Efficiency:0.00

Effi Level:A++ (EU 874-2012) Photon Flux:12500.600umol/s (380-780nm)

Ele. Parameters

Forward Current:If=774.0mA

Reverse Voltage:Vr=5.00V

Forward Voltage:Vf=24.54V

Reverse Current:Ir=0.00uA

Power:P=19.001W

Instrument state

Instrument:Lisun LMS-8000

Integral Time: 63.521ms

VPeak: 13624

VDark: 1320

Scan Range: 380-780nm

Product ID: 201508924

IES TM-30-2015 Test Report

Product Mark

Product Type : ORCoR300-K52-7840R2 RGB

Manufacturer : -

Temperature : 'C

Humidity : -%

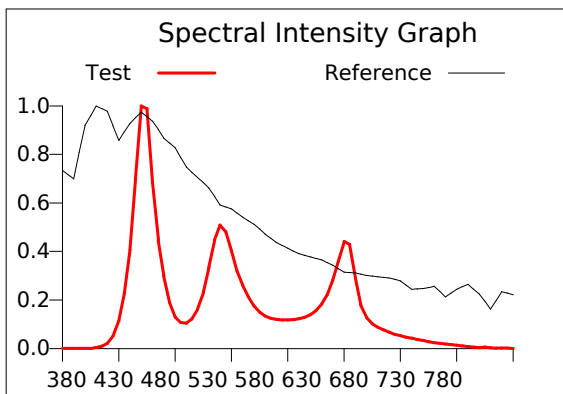
Operator : -

Test Date : 2025-03-20

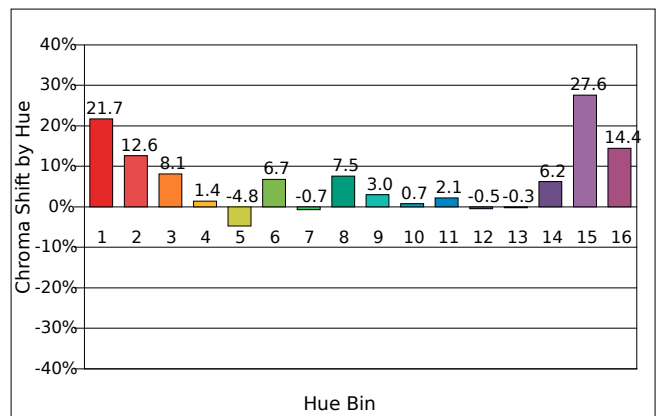
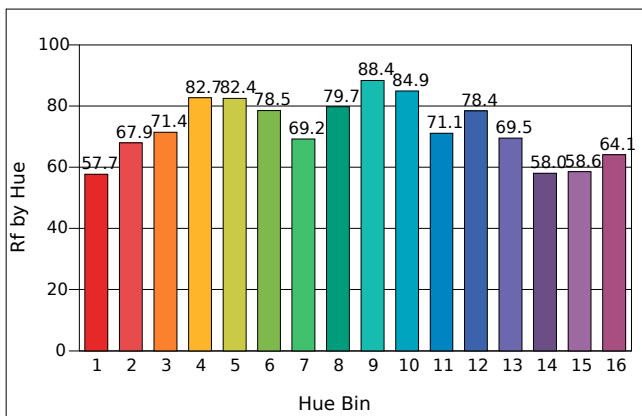
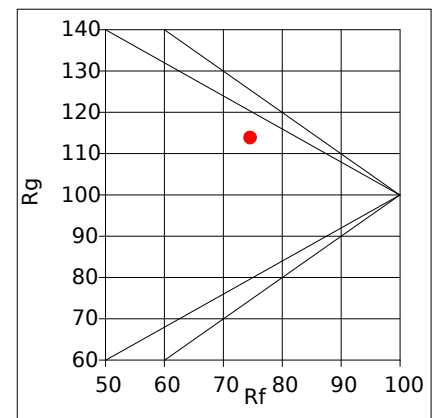
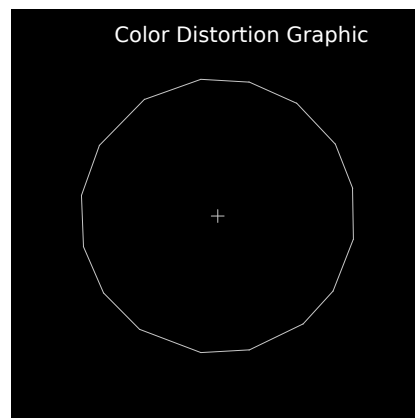
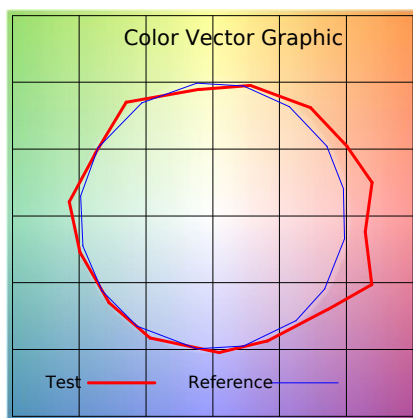
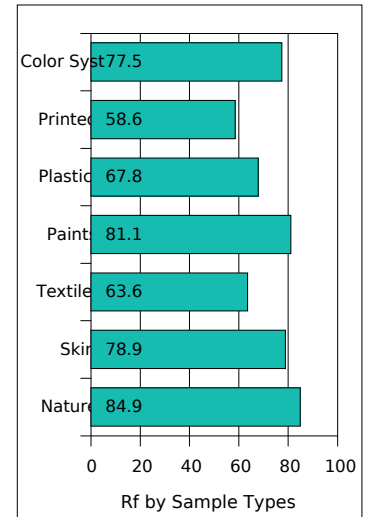
Remark:

Rf: 74.6 CCT(K): 17374 u': 0.1902

Rg: 113.8 LER: 239.0 uuv: -0.0059 v': 0.2776



Hue Bin	Graphic Shifts (%)		
	Rf	Chroma	Hue
1	57.7	21.7%	0.8%
2	67.9	12.6%	-8.5%
3	71.4	8.1%	-13.6%
4	82.7	1.4%	-5.5%
5	82.4	-4.8%	-1.1%
6	78.5	6.7%	9.4%
7	69.2	-0.7%	5.0%
8	79.7	7.5%	6.0%
9	88.4	3.0%	4.3%
10	84.9	0.7%	10.3%
11	71.1	2.1%	13.1%
12	78.4	-0.5%	17.1%
13	69.5	-0.3%	18.3%
14	58.0	6.2%	24.5%
15	58.6	27.6%	22.2%
16	64.1	14.4%	8.2%



IES TM-30-2015 Test Report

Product Mark

Product Type : ORCoR300-K52-784OR2 RGB

Manufacturer : -

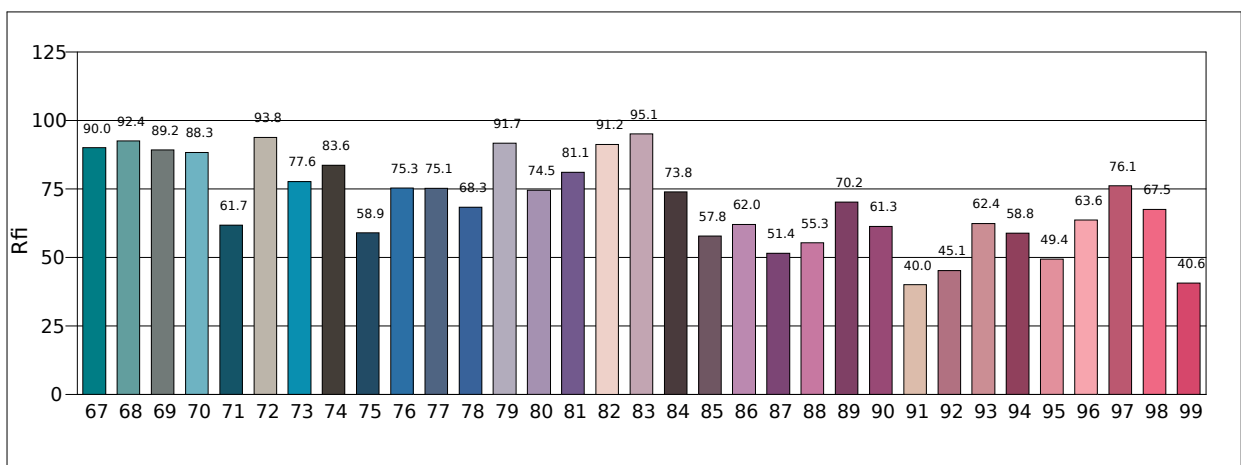
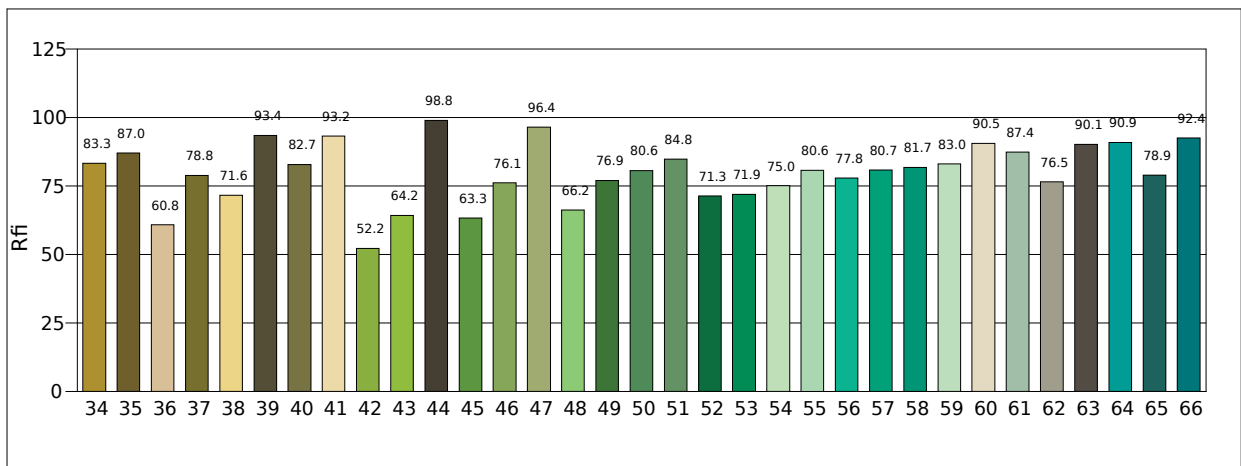
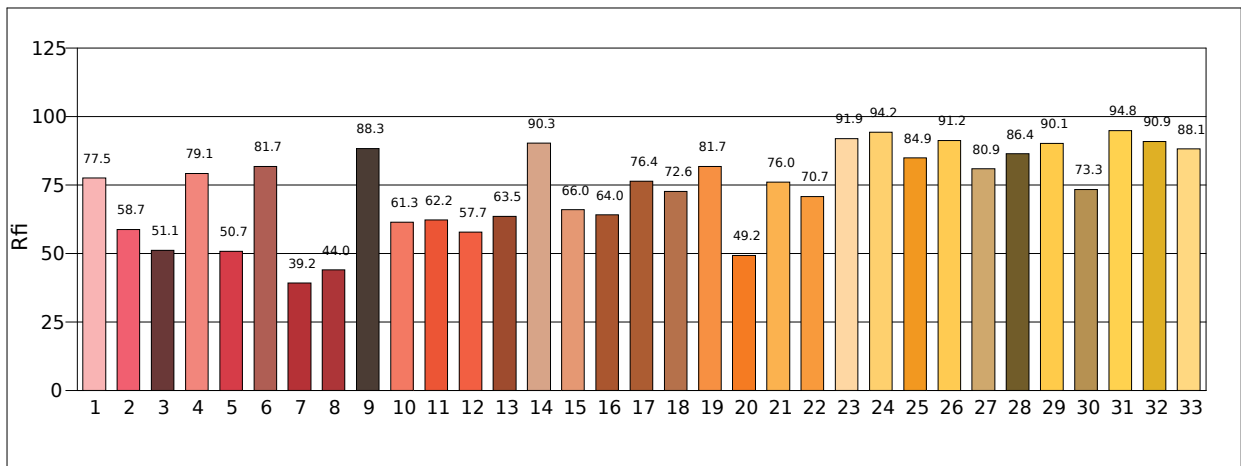
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-03-20

Remark :



LED Test Report

Product Mark

Product Type : ORCoR300-K52-7840R2 RGB

Manufacturer : -

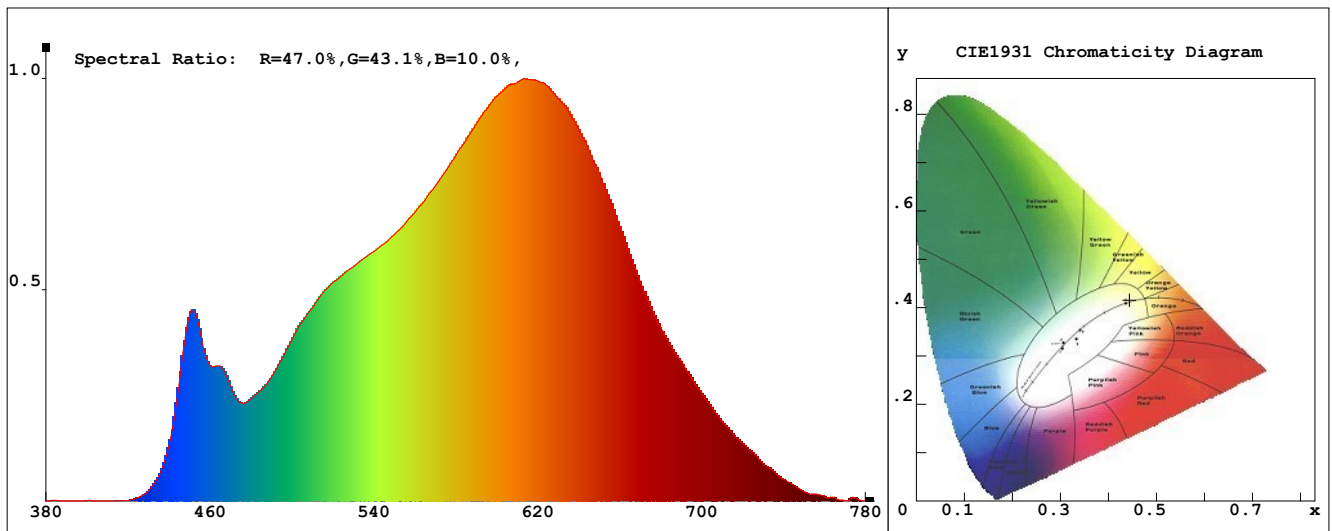
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-03-20

Remark:



Chroma Parameters

Chro.Coord.:x=0.4436 y=0.4157 u=0.2499 v=0.3512 duv=0.0036

CCT: 2984K Dominant Wave.:581.7nm Purity:58.0% Centre Wave:593.4nm

Flux RGB Ratio:R=22.9%,G=75.4%,B=1.7% Peak Wave:612.6nm Half Width:154.6nm

Rendering Index:Ra= 88.6 CRI= 85.6

R1 =87 R2 =92 R3 =98 R4 =91 R5 =90 R6 =93 R7 =86 R8 =71

R9 =40 R10=85 R11=93 R12=75 R13=87 R14=98 R15=80

PPF:4.579umol/s (400-700nm)

PRF:0.9mW (400-700nm)

PAR:0.8mW (400-700nm)

Photo Parameters

Flux:313.38lm

Effi.:50.8lm/W

Radiant:975.3mW

Iv:0.0mcd

Scotopic Flux:438.3Plm

Effi.:0.0Plm/W

S/P:1.4

Efficiency:0.00

Effi Level:A++ (EU 874-2012) Photon Flux:4795.920umol/s (380-780nm)

Ele. Parameters

Forward Current:If=257.0mA

Reverse Voltage:Vr=5.00V

Forward Voltage:Vf=24.00V

Reverse Current:Ir=0.00uA

Power:P=6.180W

Instrument state

Instrument:Lisun LMS-8000

Integral Time: 497.710ms

VPeak: 12984

VDark: 1287

Scan Range: 380-780nm

Product ID: 201508924

IES TM-30-2015 Test Report

Product Mark

Product Type : ORCoR300-K52-7840R2 RGB

Manufacturer : -

Temperature : 'C

Humidity : -%

Operator : -

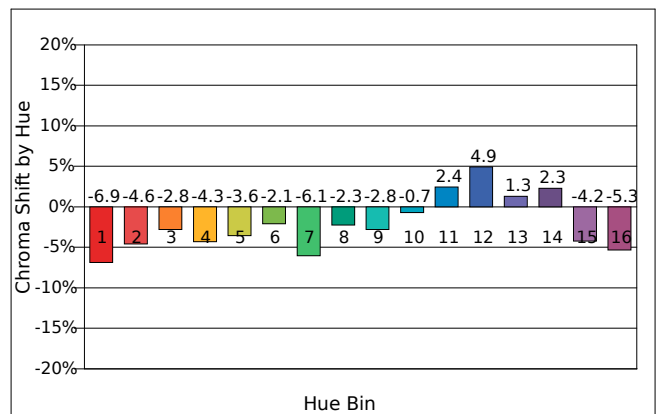
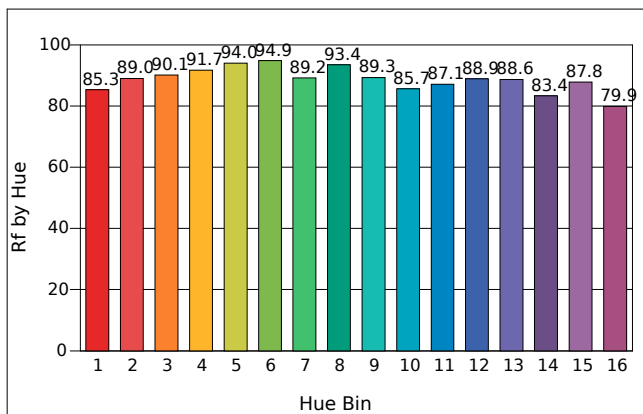
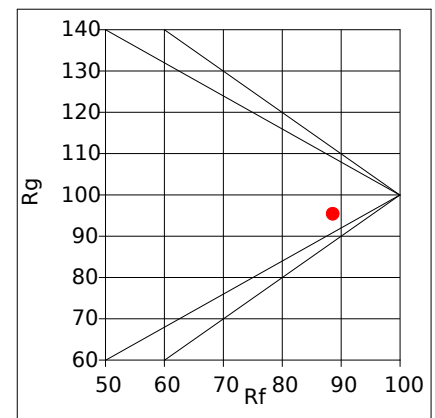
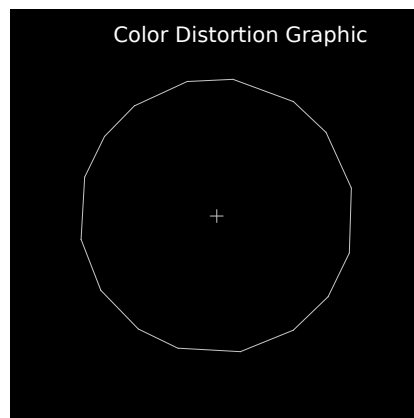
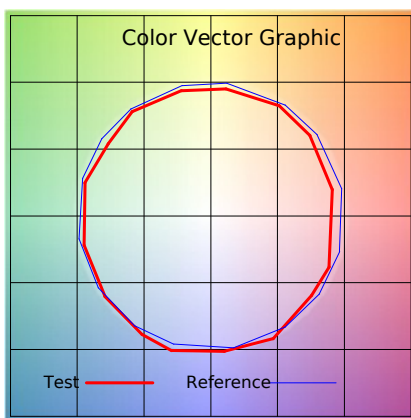
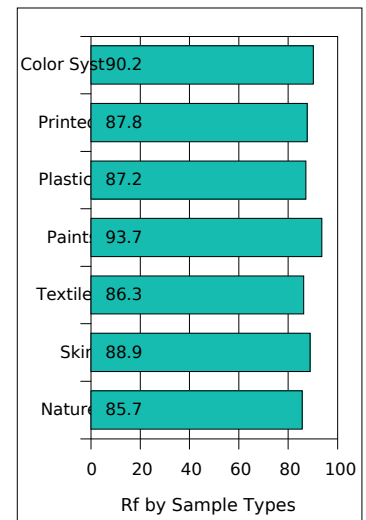
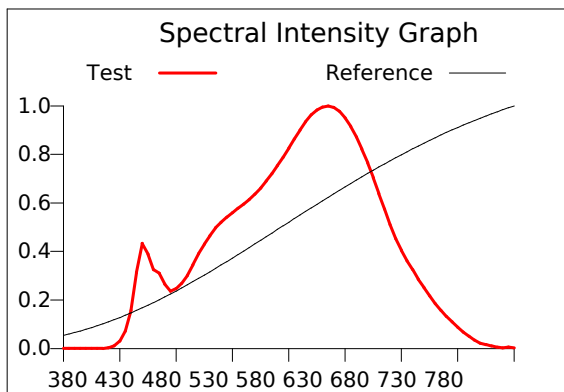
Test Date : 2025-03-20

Remark:

Rf: 88.6 CCT(K): 2984 u': 0.2499

Rg: 95.4 LER: 311.5 Duv: 0.0036 v': 0.3512

Hue Bin	Graphic Shifts (%)		
	Rf	Chroma	Hue
1	85.3	-6.9%	0.7%
2	89.0	-4.6%	2.5%
3	90.1	-2.8%	3.5%
4	91.7	-4.3%	-0.4%
5	94.0	-3.6%	1.4%
6	94.9	-2.1%	0.2%
7	89.2	-6.1%	0.6%
8	93.4	-2.3%	2.9%
9	89.3	-2.8%	5.4%
10	85.7	-0.7%	8.2%
11	87.1	2.4%	8.4%
12	88.9	4.9%	-0.7%
13	88.6	1.3%	-7.6%
14	83.4	2.3%	-12.0%
15	87.8	-4.2%	-4.2%
16	79.9	-5.3%	-12.7%



IES TM-30-2015 Test Report

Product Mark

Product Type : ORCoR300-K52-784OR2 RGB

Manufacturer : -

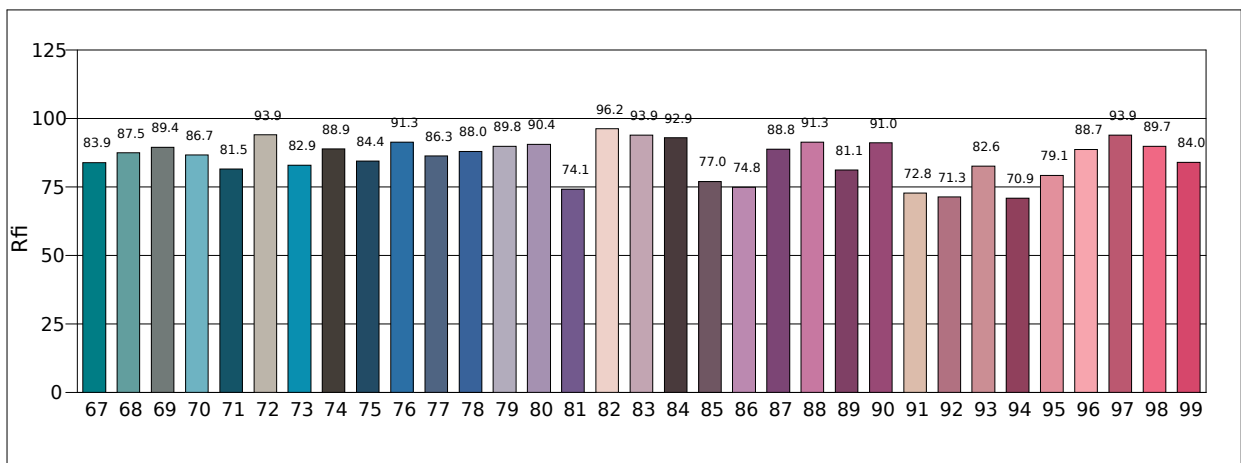
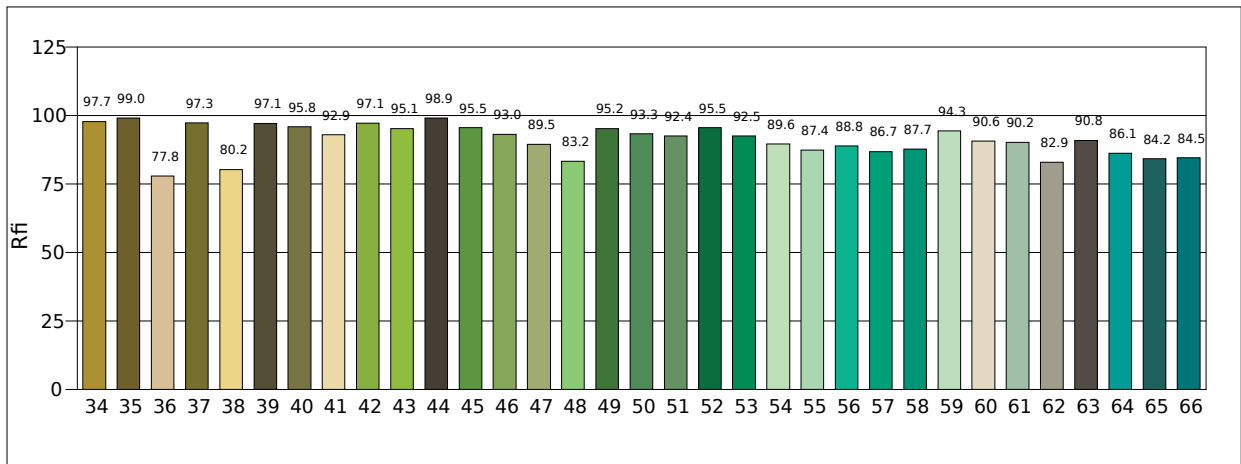
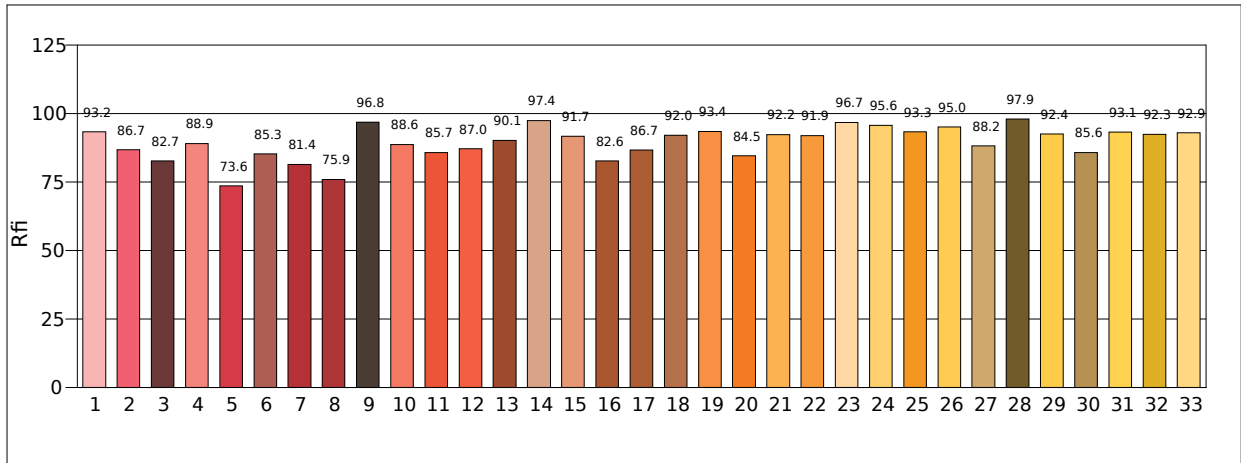
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-03-20

Remark:



LED Test Report

Product Mark

Product Type : ORCoR300-K52-784OR2 RGB

Manufacturer : -

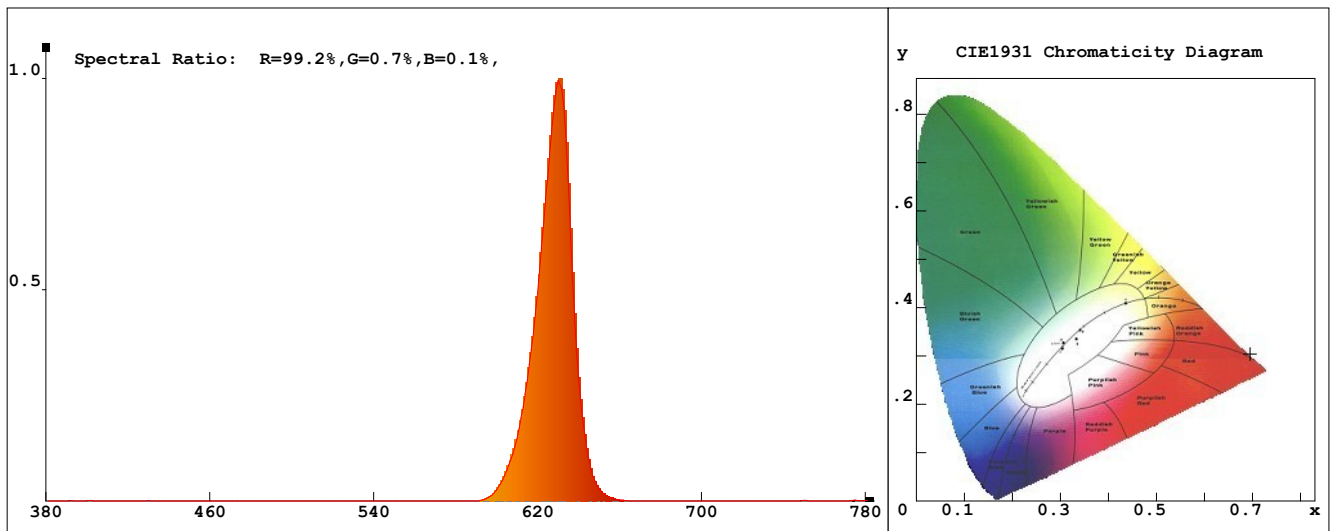
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-03-20

Remark:



Chroma Parameters

Chro.Coord.:x=0.6949 y=0.3042 u=0.5284 v=0.3469 duv=-0.0008

CCT: 1354K Dominant Wave.:622.2nm Purity:99.8% Centre Wave:627.7nm

Flux RGB Ratio:R=98.5%,G=1.5%,B=0.0% Peak Wave:629.6nm Half Width:17.4nm

Rendering Index:Ra=-22.5 CRI=107.2

R1 =-48 R2 =54 R3 =7 R4 =-78 R5 =-42 R6 =54 R7 =-12 R8 =-114

R9 =-351 R10=41 R11=-91 R12=23 R13=-20 R14=38 R15=-84

PPF:2.162umol/s (400-700nm)

PRF:0.4mW (400-700nm)

PAR:0.4mW (400-700nm)

Photo Parameters

Flux:86.75lm

Effi.:14.0lm/W

Radiant:413.6mW

Iv:0.0mcd

Scotopic Flux:4.3Plm

Effi.:0.0Plm/W

S/P:0.0

Efficiency:0.00

Effi Level:A++ (EU 874-2012) Photon Flux:2166.000umol/s (380-780nm)

Ele. Parameters

Forward Current:If=258.0mA

Reverse Voltage:Vr=5.00V

Forward Voltage:Vf=24.00V

Reverse Current:Ir=0.00uA

Power:P=6.200W

Instrument state

Instrument:Lisun LMS-8000

Integral Time: 145.663ms

VPeak: 13896

VDark: 1370

Scan Range: 380-780nm

Product ID: 201508924

IES TM-30-2015 Test Report

Product Mark

Product Type : ORCoR300-K52-784OR2 RGB

Manufacturer : -

Temperature : 'C

Humidity : -%

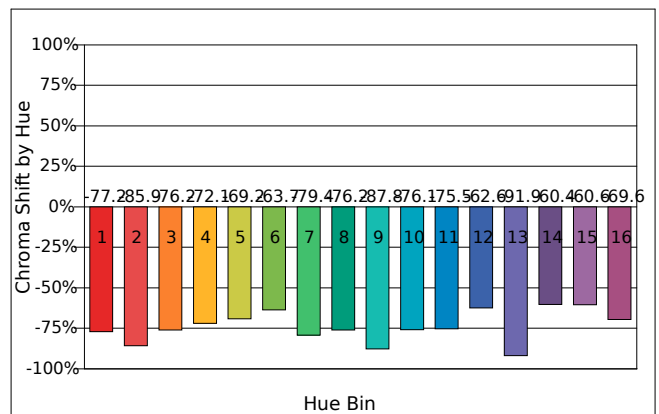
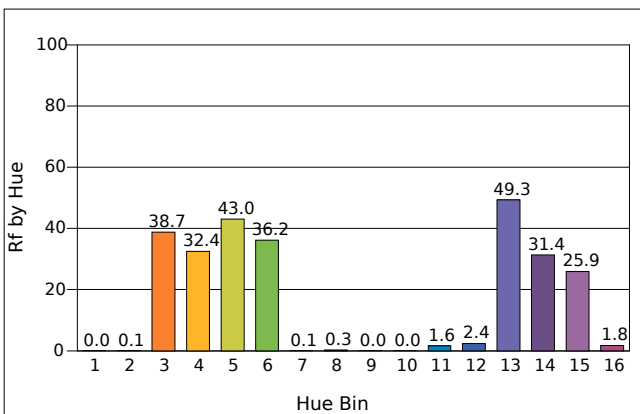
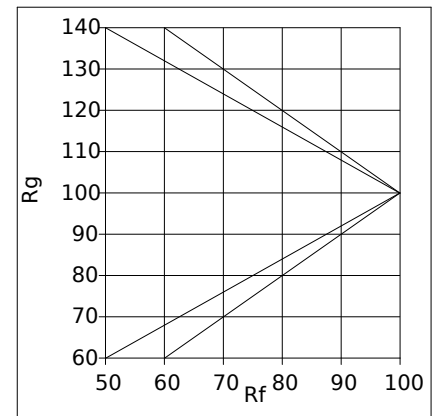
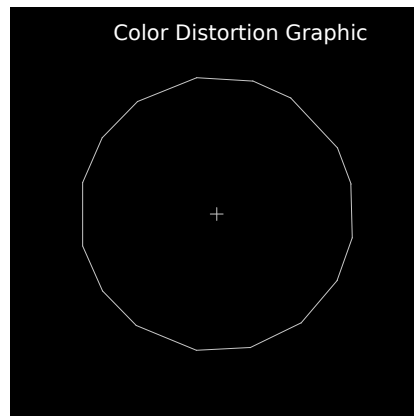
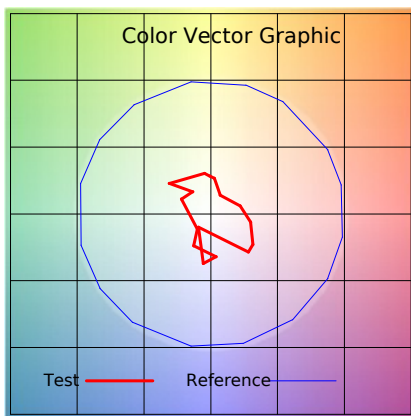
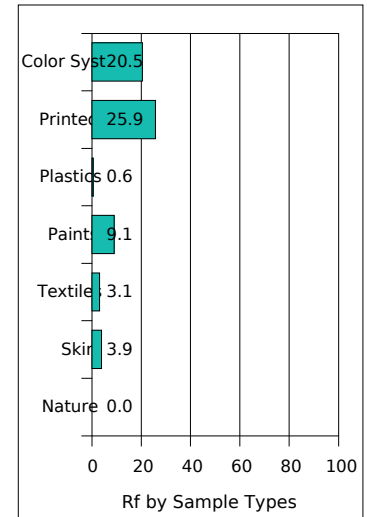
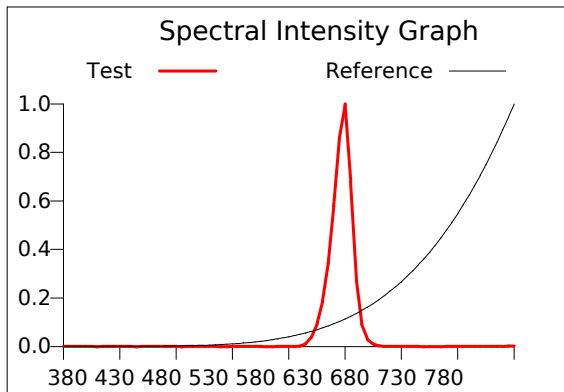
Operator : -

Test Date : 2025-03-20

Remark:

Rf: 1.3 CCT(K): 1354 u': 0.5284
 Rg: 5.7 LER: 211.3 Duv: -0.0008 v': 0.3469

Hue Bin	Rf	Graphic Shifts (%)	
		Chroma	Hue
1	0.0	-77.2%	-0.6%
2	0.1	-85.9%	16.6%
3	38.7	-76.2%	10.5%
4	32.4	-72.1%	13.2%
5	43.0	-69.2%	3.6%
6	36.2	-63.7%	10.7%
7	0.1	-79.4%	-6.3%
8	0.3	-76.2%	-3.2%
9	0.0	-87.8%	5.0%
10	0.0	-76.1%	12.3%
11	1.6	-75.5%	24.6%
12	2.4	-62.6%	-3.2%
13	49.3	-91.9%	-15.8%
14	31.4	-60.4%	0.7%
15	25.9	-60.6%	-9.9%
16	1.8	-69.6%	-2.4%



IES TM-30-2015 Test Report

Product Mark

Product Type : ORCoR300-K52-7840R2 RGB

Manufacturer : -

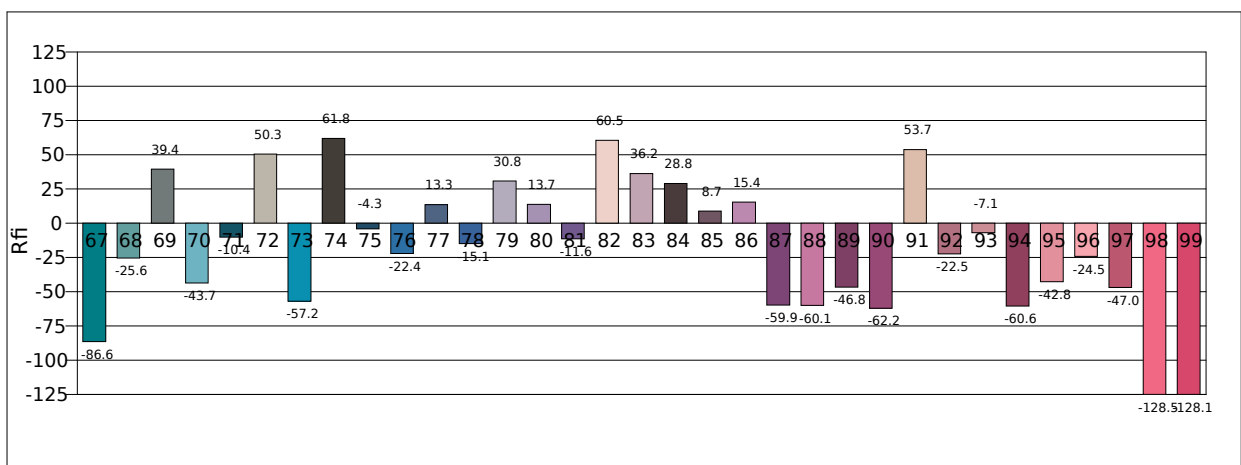
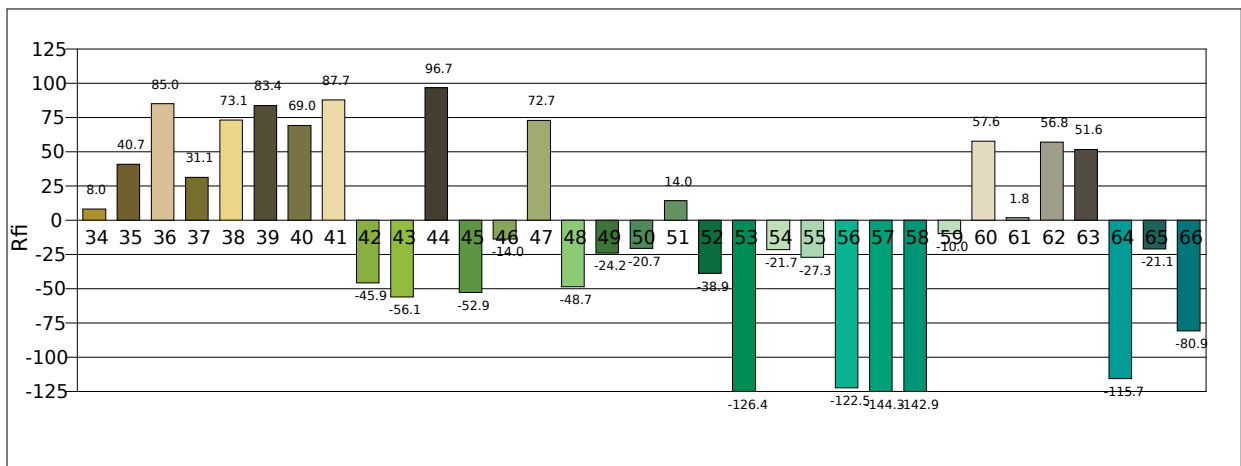
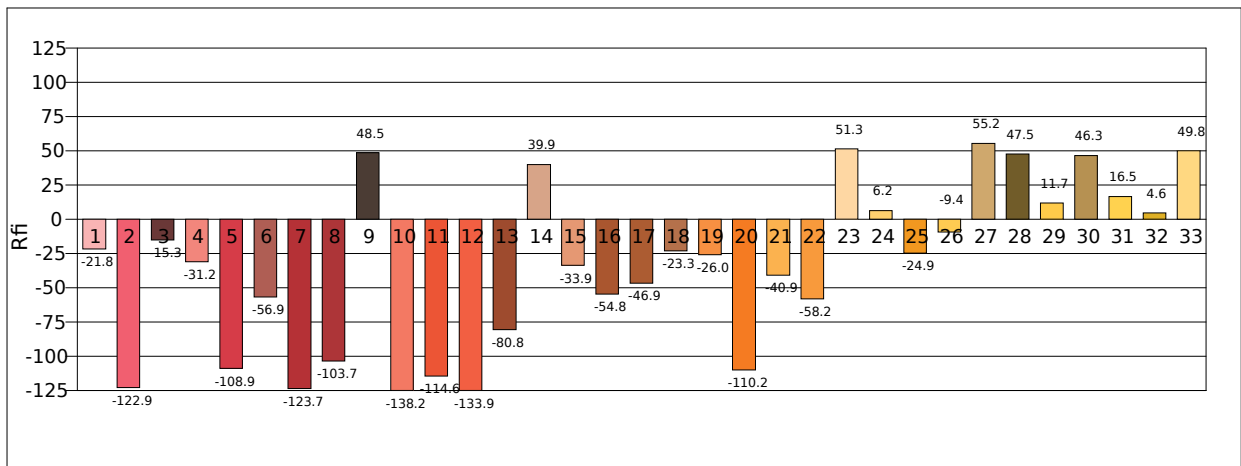
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-03-20

Remark:



LED Test Report

Product Mark

Product Type : ORCoR300-K52-7840R2 RGB

Manufacturer : -

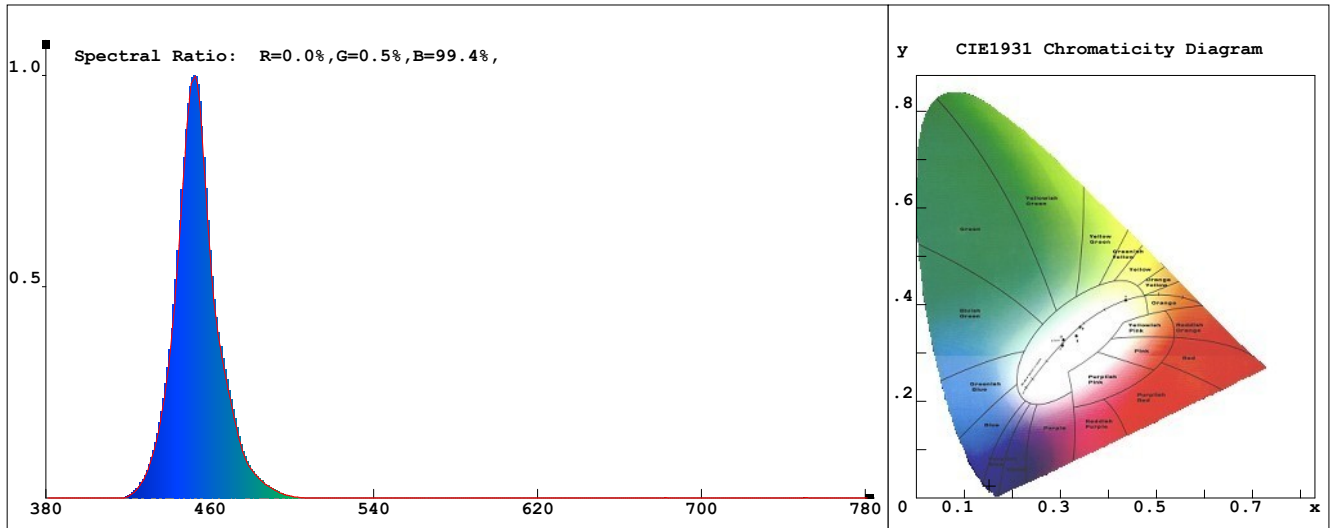
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-03-20

Remark:



Chroma Parameters

Chro.Coord.:x=0.1515 y=0.0250 u=0.2022 v=0.0501 duv=-0.0744

CCT:100000K Dominant Wave.:455.4nm Purity:99.4% Centre Wave:451.4nm

Flux RGB Ratio:R=0.0%,G=3.0%,B=97.0% Peak Wave:451.6nm Half Width:17.9nm

Rendering Index:Ra=-72.0 CRI=140.2

R1 =-23 R2 =-78 R3 =-181 R4 =-95 R5 =-6 R6 =-82 R7 =-68 R8 =-43

R9 =-298 R10=-317 R11=-120 R12=-157 R13=-54 R14=-47 R15=-9

PPF:4.494umol/s (400-700nm)

PRF:1.2mW (400-700nm)

PAR:0.9mW (400-700nm)

Photo Parameters

Flux:66.00lm

Effi.:10.7lm/W

Radiant:1186.6mW

Iv:0.0mcd

Scotopic Flux:1601.5Plm

Effi.:0.0Plm/W

S/P:24.3

Efficiency:0.00

Effi Level:A++ (EU 874-2012) Photon Flux:4496.260umol/s (380-780nm)

Ele. Parameters

Forward Current:If=257.0mA

Reverse Voltage:Vr=5.00V

Forward Voltage:Vf=24.00V

Reverse Current:Ir=0.00uA

Power:P=6.171W

Instrument state

Instrument:Lisun LMS-8000

Integral Time: 58.265ms

VPeak: 14872

VDark: 1334

Scan Range: 380-780nm

Product ID: 201508924

IES TM-30-2015 Test Report

Product Mark

Product Type : ORCoR300-K52-7840R2 RGB

Manufacturer : -

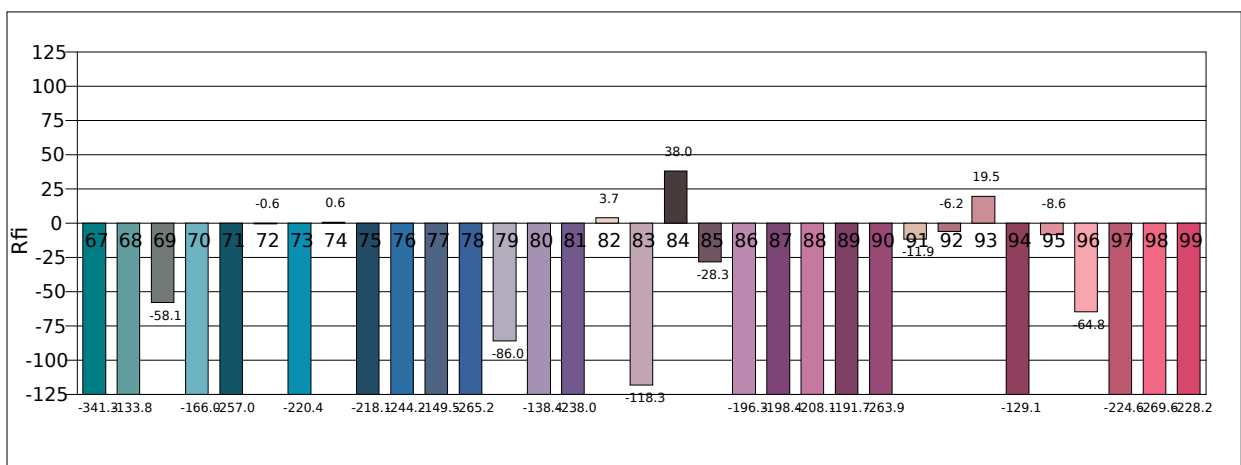
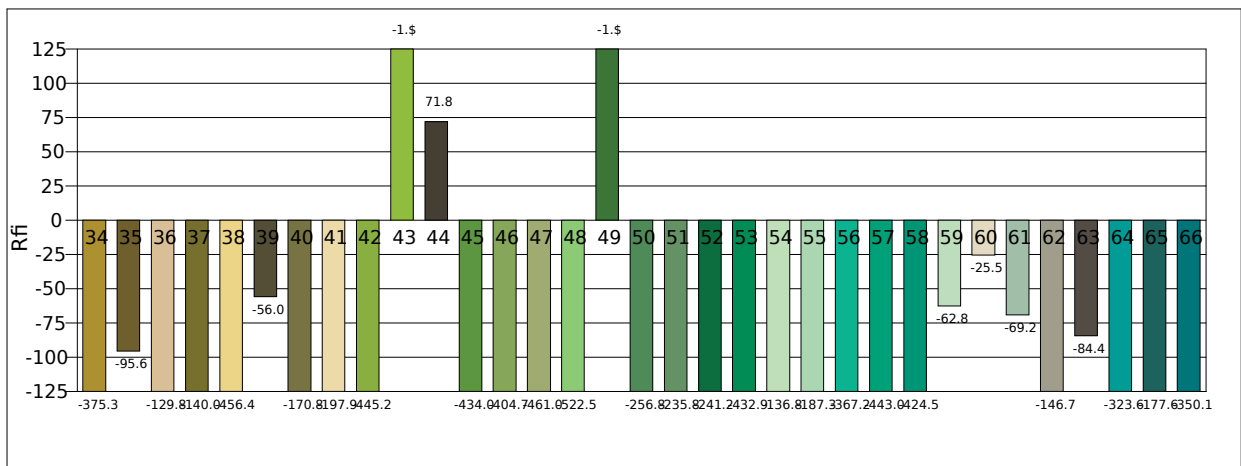
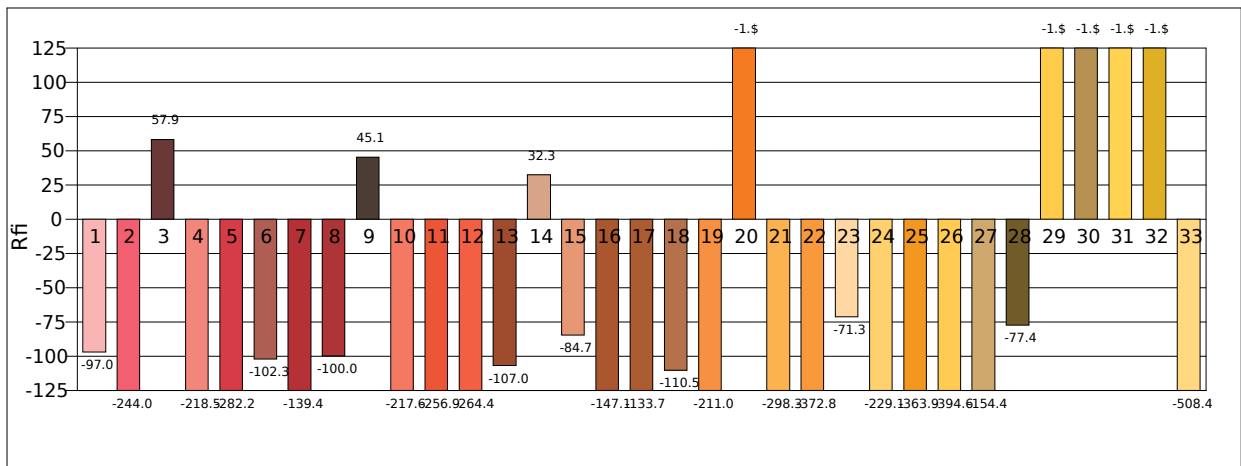
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-03-20

Remark :



LED Test Report

Product Mark

Product Type : ORCoR300-K52-784OR2 RGB

Manufacturer : -

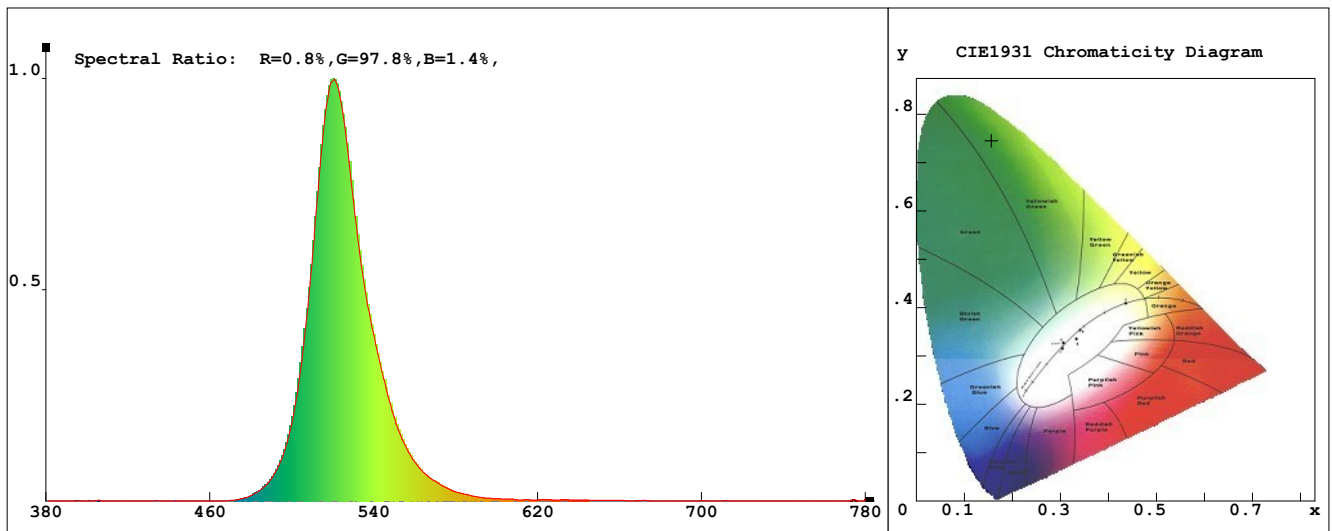
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-03-20

Remark:



Chroma Parameters

Chro.Coord.:x=0.1563 y=0.7452 u=0.0537 v=0.3845 duv=0.1635

CCT: 7975K Dominant Wave.:526.1nm Purity:84.2% Centre Wave:521.2nm

Flux RGB Ratio:R=0.3%,G=99.4%,B=0.3% Peak Wave:519.6nm Half Width:26.7nm

Rendering Index:Ra=-30.9 CRI=106.3

R1 =-36 R2 =-17 R3 =-39 R4 =-74 R5 =-13 R6 =-23 R7 =-13 R8 =-33

R9 =-356 R10=-124 R11=-105 R12=-43 R13=-44 R14=30 R15=-33

PPF:3.375umol/s (400-700nm)

PRF:0.8mW (400-700nm)

PAR:0.6mW (400-700nm)

Photo Parameters

Flux:409.18lm

Effi.:66.1lm/W

Radiant:769.9mW

Iv:0.0mcd

Scotopic Flux:1171.7Plm

Effi.:0.0Plm/W

S/P:2.9

Efficiency:0.00

Effi Level:A++ (EU 874-2012) Photon Flux:3380.980umol/s (380-780nm)

Ele. Parameters

Forward Current:If=258.0mA

Reverse Voltage:Vr=5.00V

Forward Voltage:Vf=24.00V

Reverse Current:Ir=0.00uA

Power:P=6.200W

Instrument state

Instrument:Lisun LMS-8000

Integral Time: 116.530ms

VPeak: 14424

VDark: 1344

Scan Range: 380-780nm

Product ID: 201508924

www.orizzonteled.com

IES TM-30-2015 Test Report

Product Mark

Product Type : ORCoR300-K52-7840R2 RGB

Manufacturer : -

Temperature : 'C

Humidity : -%

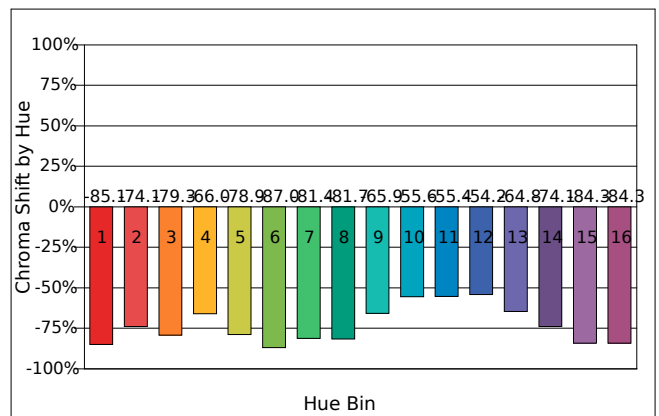
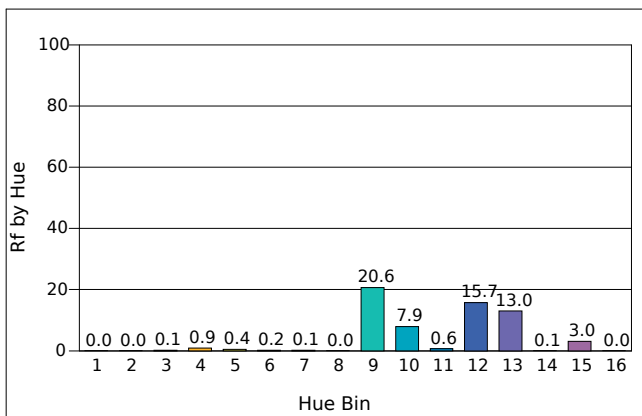
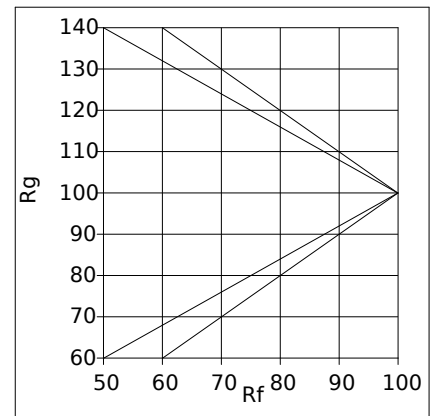
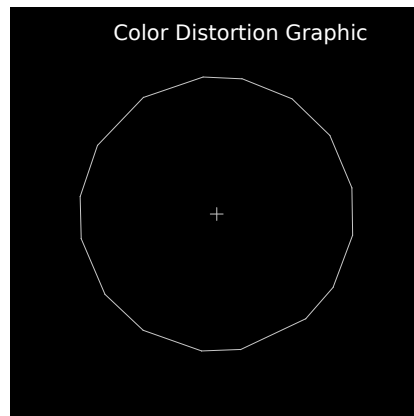
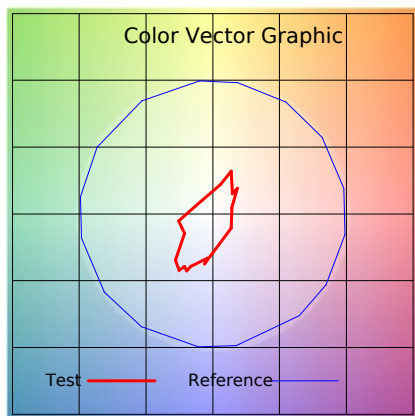
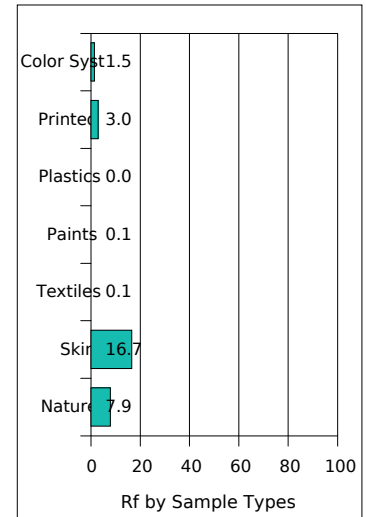
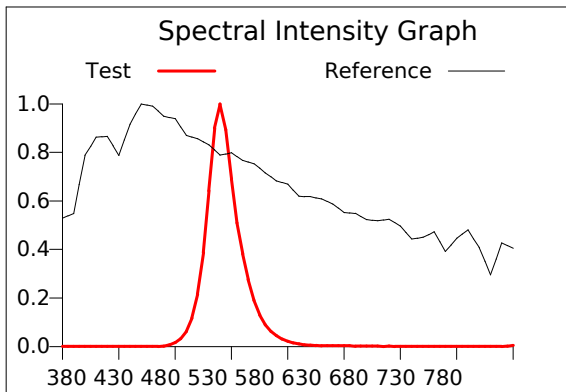
Operator : -

Test Date : 2025-03-20

Remark :

Rf: 0.4 CCT(K): 7975 u': 0.0537
 Rg: 5.4 LER: 489.2 Duv: 0.1635 v': 0.3845

Hue Bin	Rf	Graphic Shifts (%)	
		Chroma	Hue
1	0.0	-85.1%	2.1%
2	0.0	-74.1%	3.8%
3	0.1	-79.3%	-4.9%
4	0.9	-66.0%	-8.5%
5	0.4	-78.9%	-0.4%
6	0.2	-87.0%	3.6%
7	0.1	-81.4%	11.9%
8	0.0	-81.7%	11.4%
9	20.6	-65.9%	30.4%
10	7.9	-55.6%	17.6%
11	0.6	-55.4%	1.6%
12	15.7	-54.2%	-19.4%
13	13.0	-64.8%	-21.5%
14	0.1	-74.1%	-33.4%
15	3.0	-84.3%	-37.3%
16	0.0	-84.3%	-11.9%



IES TM-30-2015 Test Report

Product Mark

Product Type : ORCoR300-K52-7840R2 RGB

Manufacturer : -

Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-03-20

Remark :

