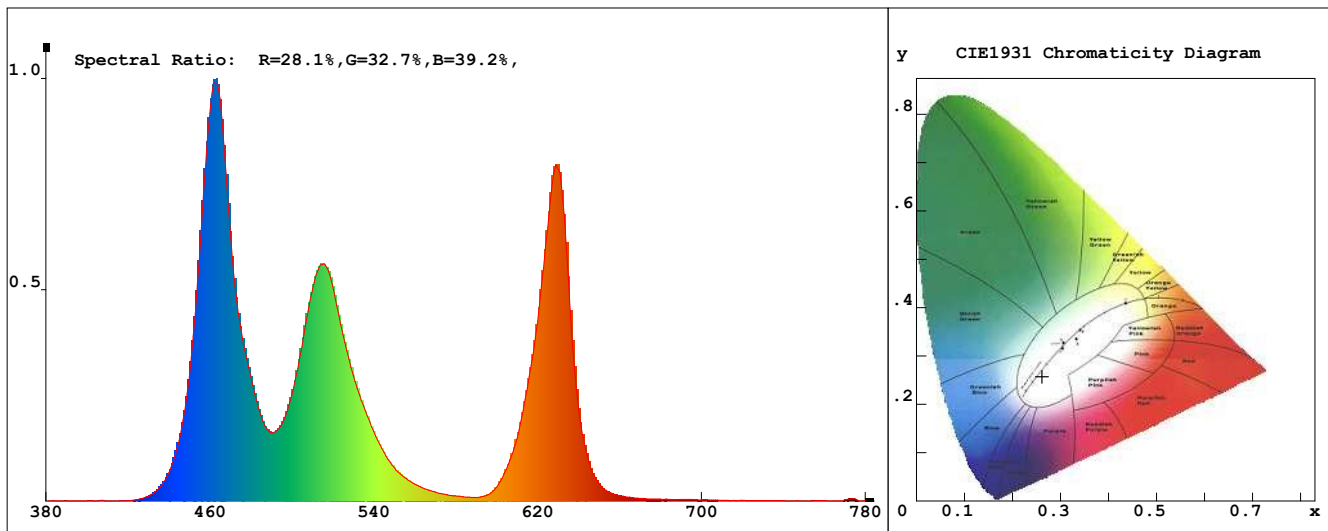


LED Test Report

Product Mark

Product Type : NEO11ES-R40-0705L2-1 RGB Manufacturer : -
Temperature : 'C Humidity : -%
Operator : - Test Date : 2025-03-20
Remark:



Chroma Parameters

Chro.Coord.:x=0.2614 y=0.2575 u=0.1879 v=0.2775 duv=-0.0037
CCT:18182K Dominant Wave.:476.0nm Purity:31.7% Centre Wave:462.3nm
Flux RGB Ratio:R=26.3%,G=64.4%,B=9.3% Peak Wave:461.7nm Half Width:18.9nm

Rendering Index:Ra= 28.3 CRI= 76.1

R1 =4	R2 =45	R3 =66	R4 =22	R5 =27	R6 =36	R7 =49	R8 =-22
R9 =-256	R10=-37	R11=-1	R12=47	R13=12	R14=75	R15=-12	
PPF:5.637umol/s (400-700nm)			PRF:1.3mW (400-700nm)			PAR:1.0mW (400-700nm)	

Photo Parameters

Flux:291.64lm Effi.:22.8lm/W Radiant:1280.5mW Iv:0.0mcd
Scotopic Flux:1156.3Plm Effi.:0.0Plm/W S/P:4.0
Efficiency:0.00 Effi Level:A++ (EU 874-2012) Photon Flux:5654.480umol/s (380-780nm)

Ele. Parameters

Forward Current:If=532.0mA Reverse Voltage:Vr=5.00V
Forward Voltage:Vf=24.00V Reverse Current:Ir=0.00uA
Power:P=12.781W

Instrument state

Instrument:Lisun LMS-8000	Integral Time: 160.000ms	VPeak: 14232
VDark: 1197	Scan Range: 380-780nm	Product ID: 201508924

IES TM-30-2015 Test Report

Product Mark

Product Type : NEO11ES-R40-0705L2-1 RGB

Manufacturer : -

Temperature : 'C

Humidity : -%

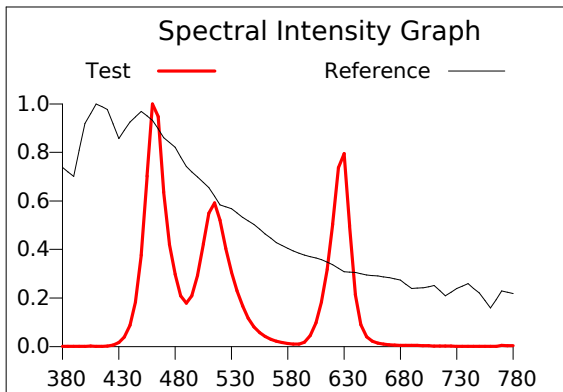
Operator : -

Test Date : 2025-03-20

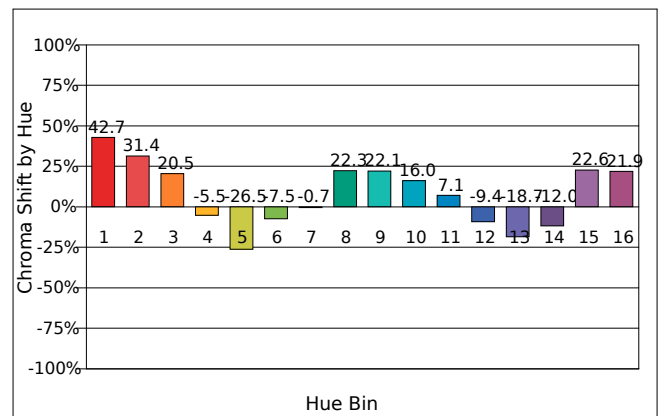
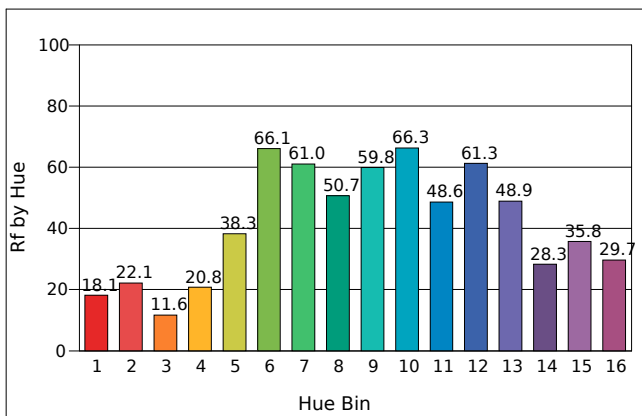
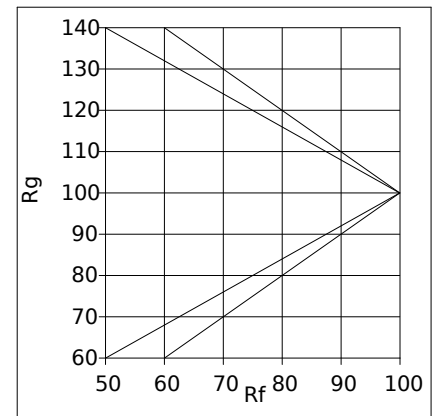
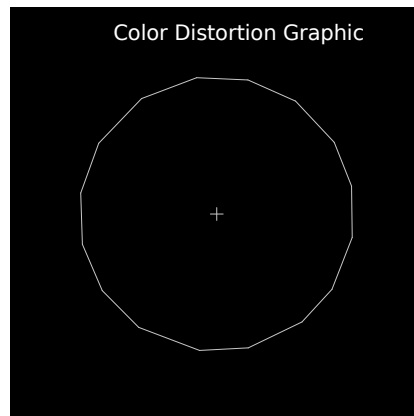
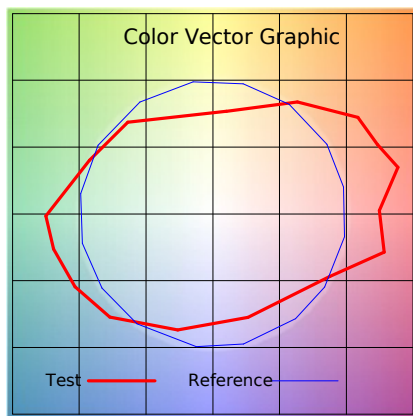
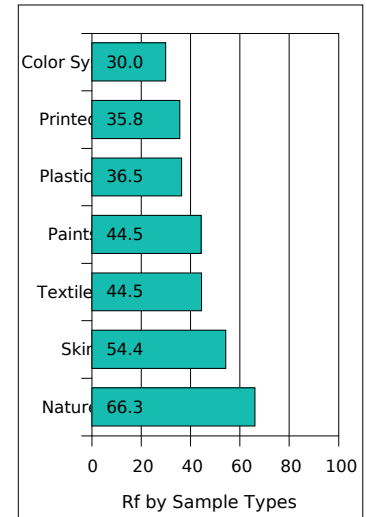
Remark :

Rf: 41.6 CCT(K): 18182 u': 0.1879

Rg: 106.7 LER: 223.0 Duv: -0.0037 v': 0.2775



Hue Bin	Rf	Graphic Shifts (%)	
		Chroma	Hue
1	18.1	42.7%	6.6%
2	22.1	31.4%	-21.3%
3	11.6	20.5%	-48.1%
4	20.8	-5.5%	-42.6%
5	38.3	-26.5%	-20.0%
6	66.1	-7.5%	15.8%
7	61.0	-0.7%	12.9%
8	50.7	22.3%	21.5%
9	59.8	22.1%	-0.0%
10	66.3	16.0%	-12.1%
11	48.6	7.1%	-19.8%
12	61.3	-9.4%	-16.0%
13	48.9	-18.7%	7.2%
14	28.3	-12.0%	39.0%
15	35.8	22.6%	46.3%
16	29.7	21.9%	24.4%



IES TM-30-2015 Test Report

Product Mark

Product Type : NEO11ES-R40-0705L2-1 RGB

Manufacturer : -

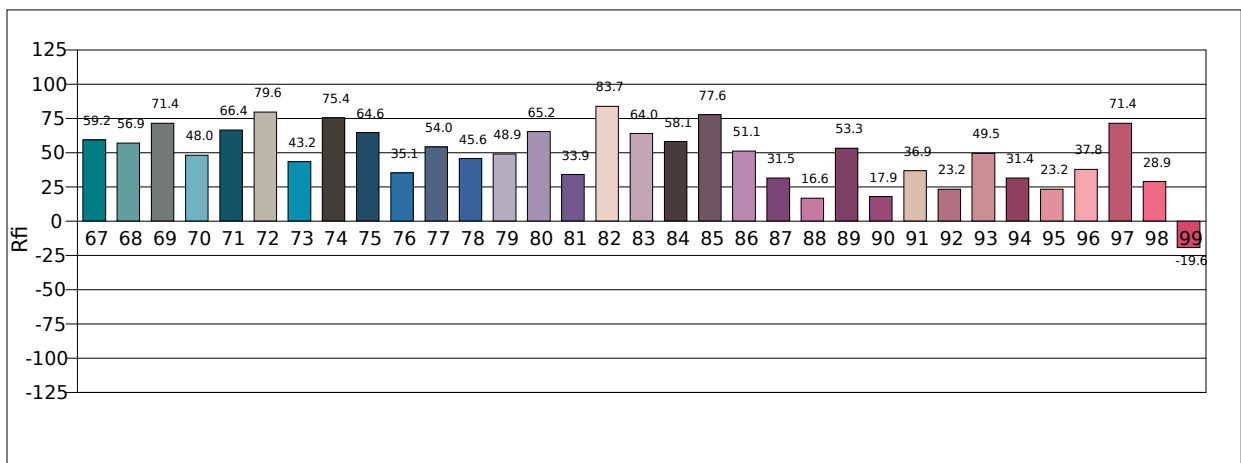
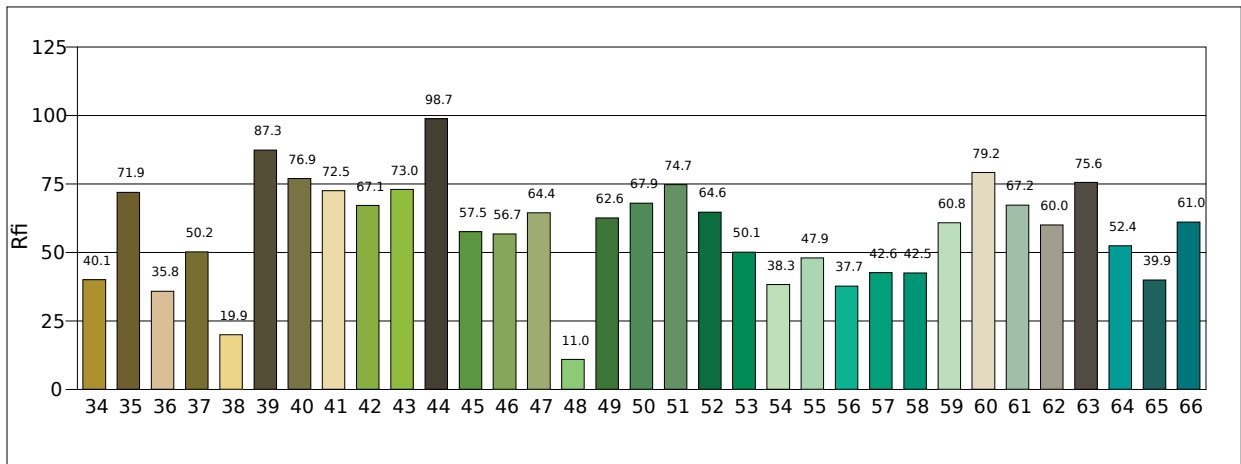
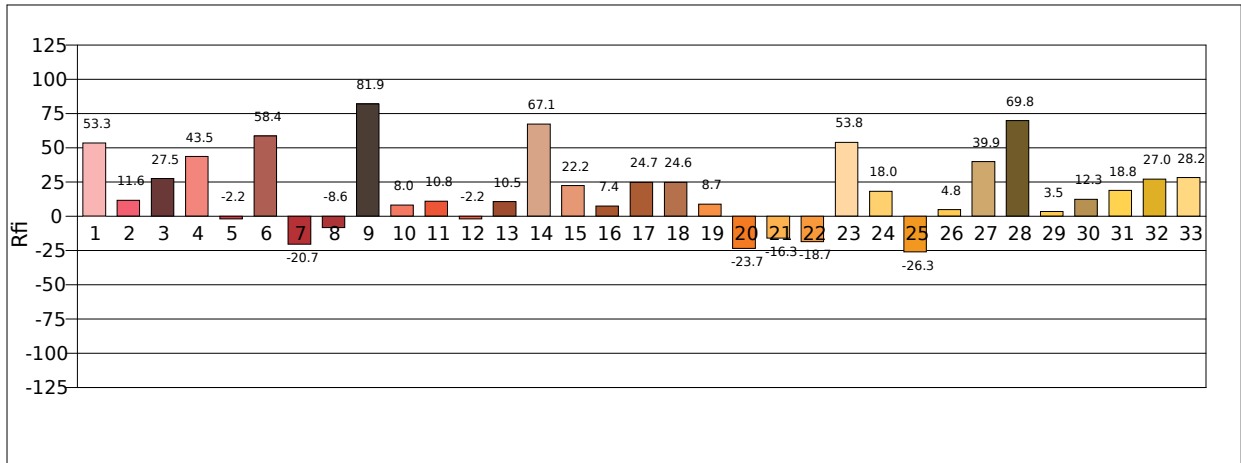
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-03-20

Remark :



LED Test Report

Product Mark

Product Type : NEO11ES-R40-0705L2-1 W

Manufacturer : -

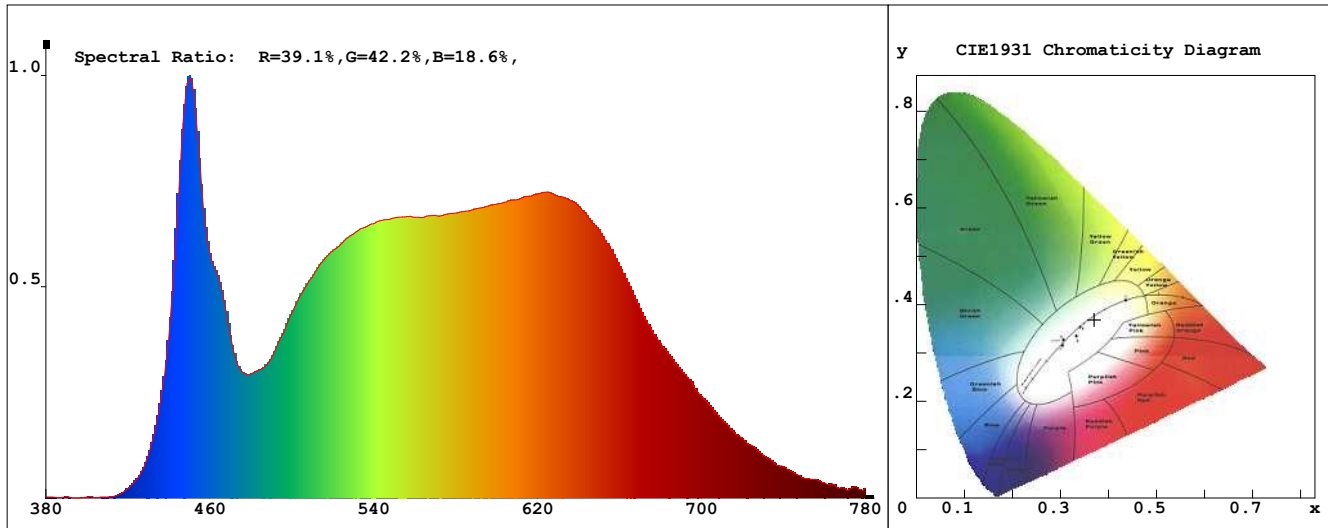
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-03-20

Remark:



Chroma Parameters

Chro.Coord.:x=0.3700 y=0.3687 u=0.2214 v=0.3309 duv=-0.0006

CCT: 4241K Dominant Wave.:578.5nm Purity:21.7% Centre Wave:452.7nm

Flux RGB Ratio:R=18.5%,G=78.7%,B=2.8% Peak Wave:449.6nm Half Width:23.3nm

Rendering Index:Ra= 93.5 CRI= 90.8

R1 =94 R2 =95 R3 =93 R4 =94 R5 =93 R6 =91 R7 =96 R8 =91

R9 =76 R10=86 R11=94 R12=71 R13=95 R14=95 R15=94

PPF:2.983umol/s (400-700nm)

PRF:0.6mW (400-700nm)

PAR:0.5mW (400-700nm)

Photo Parameters

Flux:189.69lm Effi.:36.4lm/W Radiant:661.0mW Iv:0.0mcd

Scotopic Flux:349.2Plm Effi.:0.0Plm/W S/P:1.8

Efficiency:0.00

Effi Level:A++ (EU 874-2012) Photon Flux:3161.790umol/s (380-780nm)

Ele. Parameters

Forward Current:If=217.0mA

Reverse Voltage:Vr=5.00V

Forward Voltage:Vf=24.00V

Reverse Current:Ir=0.00uA

Power:P=5.211W

Instrument state

Instrument:Lisun LMS-8000

Integral Time: 800.000ms

VPeak: 15752

VDark: 1352

Scan Range: 380-780nm

Product ID: 201508924

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IES TM-30-2015 Test Report

Product Mark

Product Type : NEO11ES-R40-0705L2-1 W

Manufacturer : -

Temperature : 'C

Humidity : -%

Operator : -

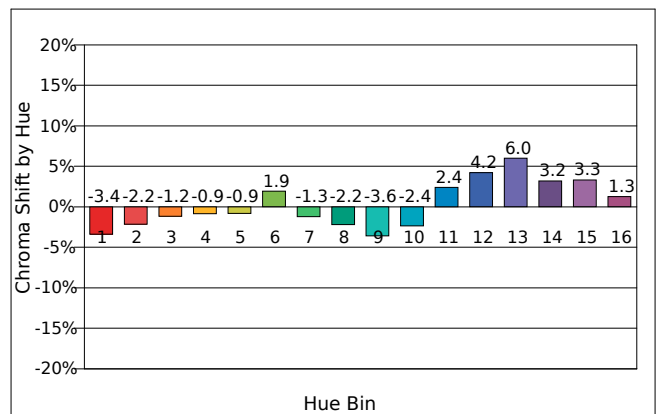
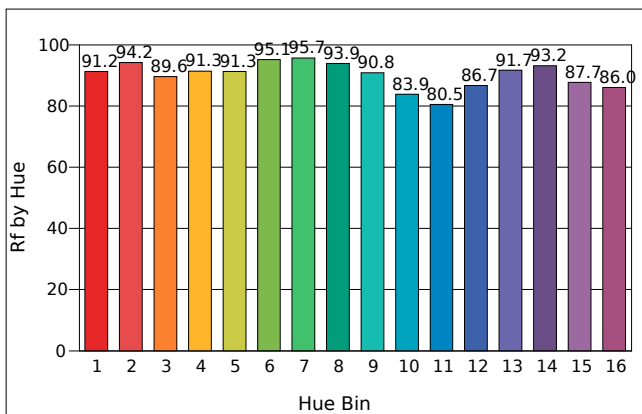
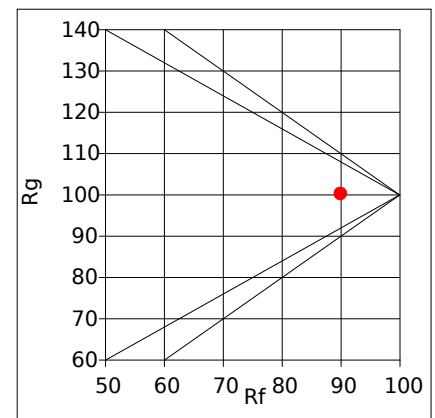
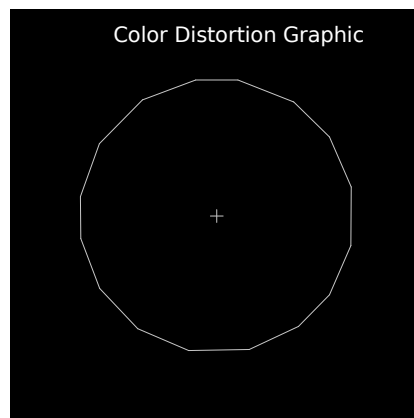
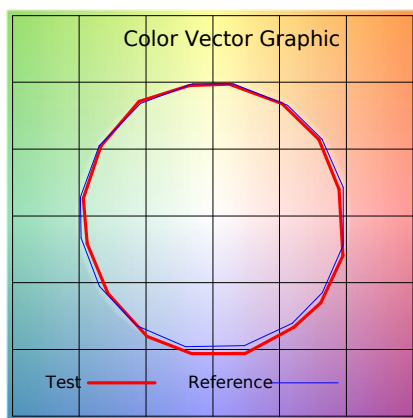
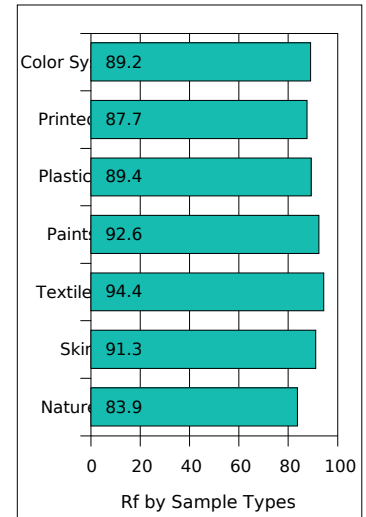
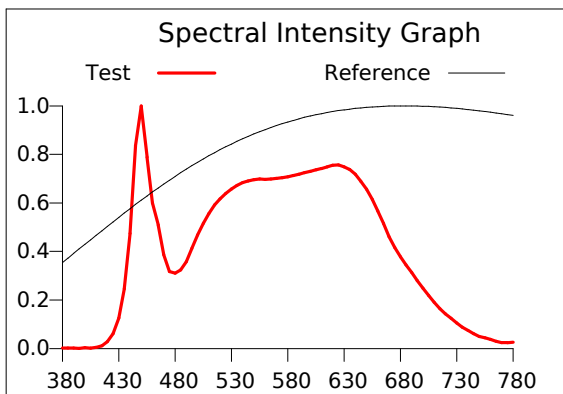
Test Date : 2025-03-20

Remark :

Rf: 89.9 CCT(K): 4241 u': 0.2214

Rg: 100.3 LER: 290.2 Duv: -0.0006 v': 0.3309

Hue Bin	Graphic Shifts (%)		
	Rf	Chroma	Hue
1	91.2	-3.4%	-0.6%
2	94.2	-2.2%	1.2%
3	89.6	-1.2%	4.5%
4	91.3	-0.9%	3.1%
5	91.3	-0.9%	2.3%
6	95.1	1.9%	0.2%
7	95.7	-1.3%	-0.8%
8	93.9	-2.2%	0.6%
9	90.8	-3.6%	5.1%
10	83.9	-2.4%	8.2%
11	80.5	2.4%	11.1%
12	86.7	4.2%	5.7%
13	91.7	6.0%	-0.6%
14	93.2	3.2%	-0.9%
15	87.7	3.3%	-7.0%
16	86.0	1.3%	-8.0%



IES TM-30-2015 Test Report

Product Mark

Product Type : NEO11ES-R40-0705L2-1 W

Manufacturer : -

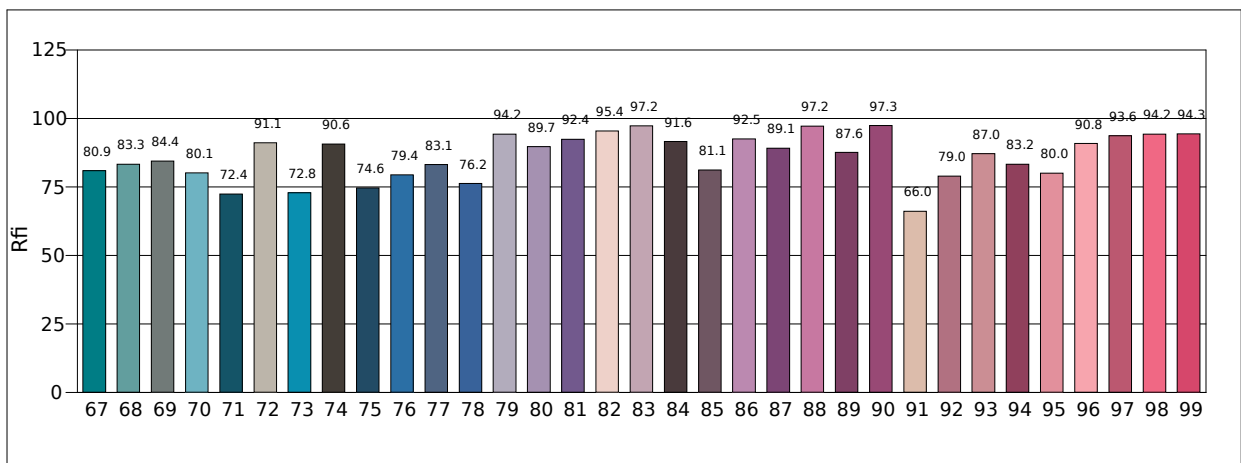
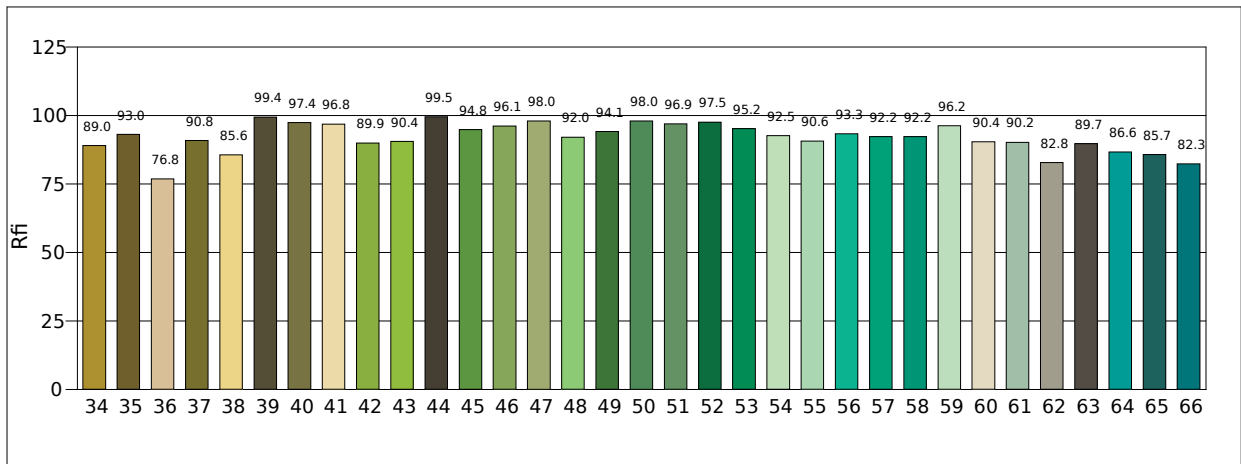
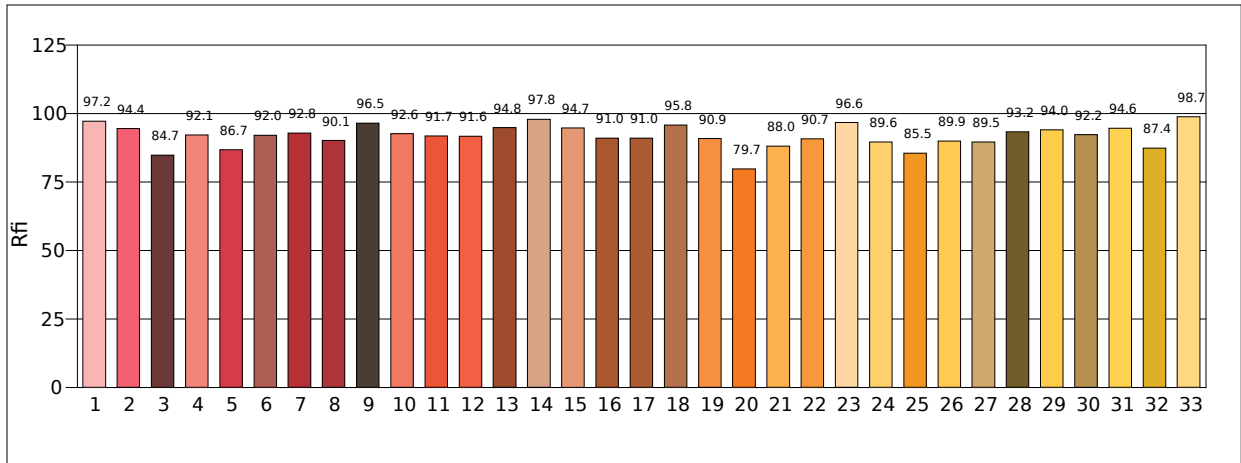
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-03-20

Remark :



LED Test Report

Product Mark

Product Type : NEO11ES-R40-0705L2-1 R

Manufacturer : -

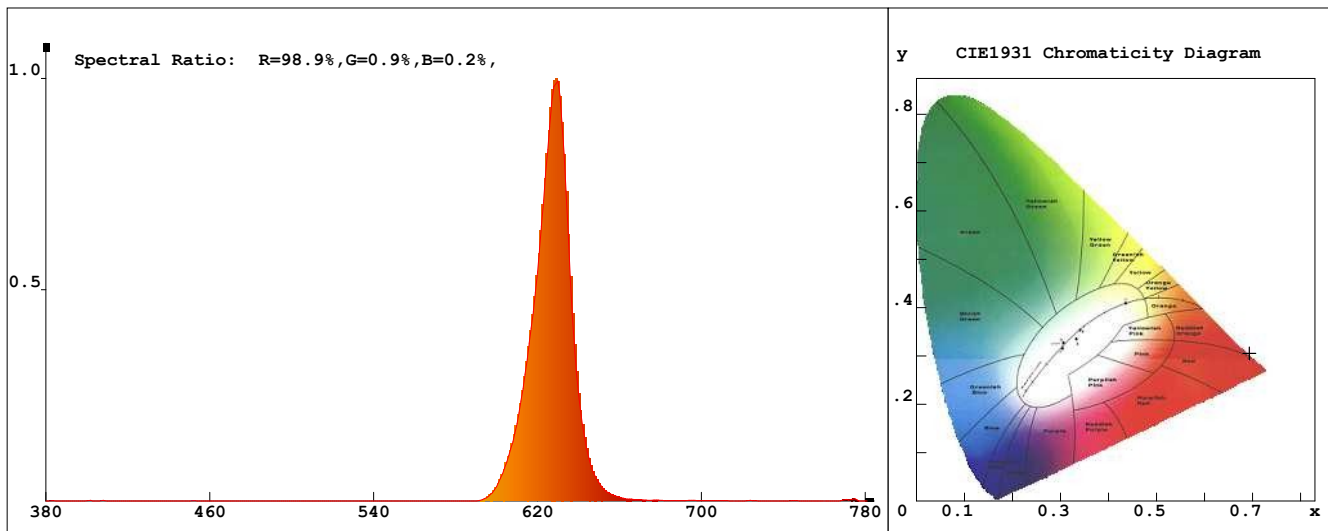
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-03-20

Remark:



Chroma Parameters

Chro.Coord.: x=0.6937 y=0.3058 u=0.5253 v=0.3474 duv=-0.0007

CCT: 1340K Dominant Wave.: 621.3nm Purity: 99.9% Centre Wave: 626.8nm

Flux RGB Ratio: R=98.1%, G=1.9%, B=0.0% Peak Wave: 628.6nm Half Width: 17.2nm

Rendering Index: Ra=-23.0 CRI=107.7

R1 =-57 R2 =45 R3 =16 R4 =-68 R5 =-32 R6 =59 R7 =-24 R8 =-124

R9 =-352 R10=30 R11=-82 R12=27 R13=-32 R14=44 R15=-92

PPF: 1.857 $\mu\text{mol/s}$ (400-700nm)

PRF: 0.4mW (400-700nm)

PAR: 0.4mW (400-700nm)

Photo Parameters

Flux: 72.43lm

Effi.: 15.2lm/W

Radiant: 356.6mW

Iv: 0.0mcd

Scotopic Flux: 3.8Plm

Effi.: 0.0Plm/W

S/P: 0.1

Efficiency: 0.00

Effi Level: A++ (EU 874-2012) Photon Flux: 1866.300 $\mu\text{mol/s}$ (380-780nm)

Ele. Parameters

Forward Current: If=198.0mA

Reverse Voltage: Vr=5.00V

Forward Voltage: Vf=24.00V

Reverse Current: Ir=0.00uA

Power: P=4.780W

Instrument state

Instrument: Lisun LMS-8000

Integral Time: 194.996ms

VPeak: 14936

VDark: 1210

Scan Range: 380-780nm

Product ID: 201508924

IES TM-30-2015 Test Report

Product Mark

Product Type : NEO11ES-R40-0705L2-1 R

Manufacturer : -

Temperature : 'C

Humidity : -%

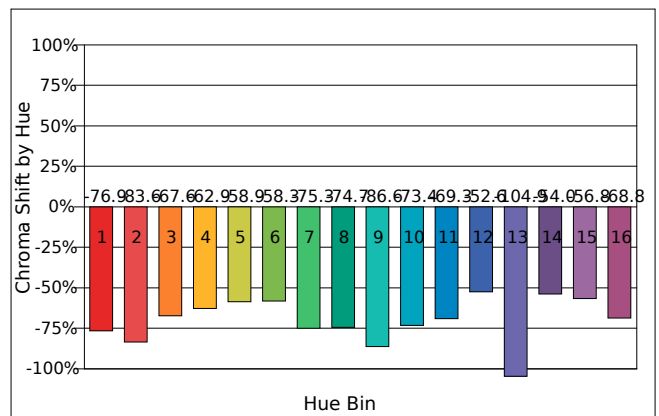
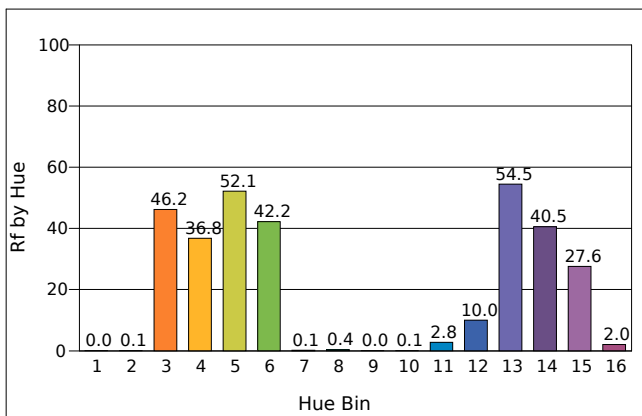
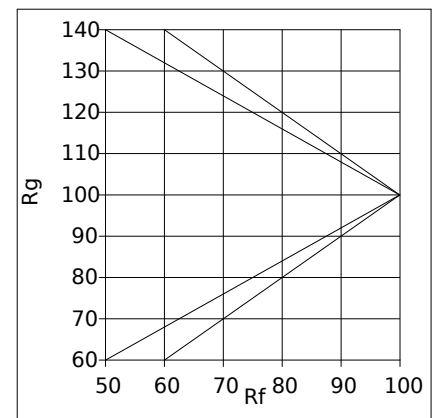
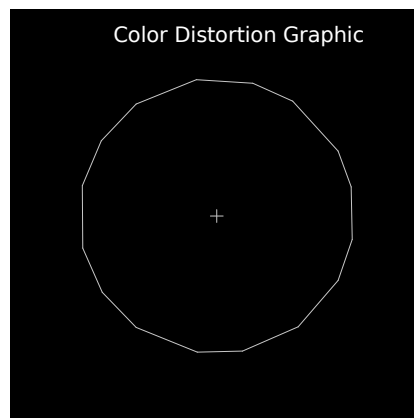
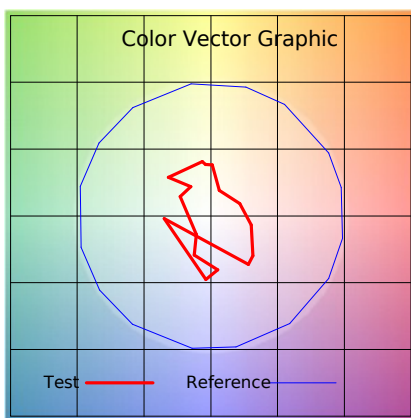
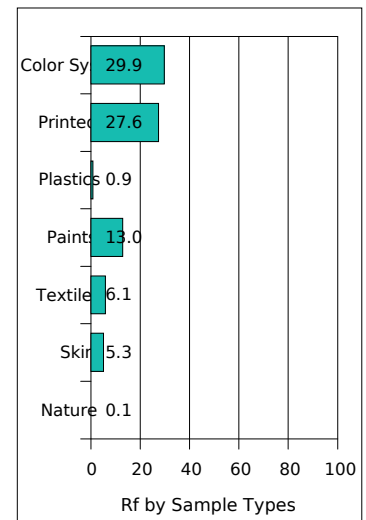
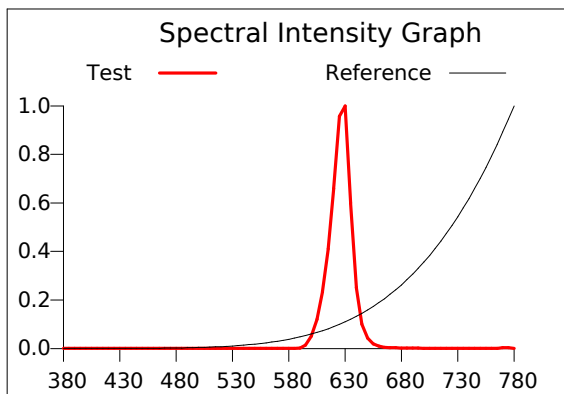
Operator : -

Test Date : 2025-03-20

Remark :

Rf: 2.0 CCT(K): 1340 u': 0.5253
 Rg: 7.3 LER: 216.2 Duv: -0.0007 v': 0.3474

Hue Bin	Rf	Graphic Shifts (%)	
		Chroma	Hue
1	0.0	-76.9%	3.2%
2	0.1	-83.6%	22.2%
3	46.2	-67.6%	19.9%
4	36.8	-62.9%	18.2%
5	52.1	-58.9%	3.3%
6	42.2	-58.3%	7.0%
7	0.1	-75.3%	-11.1%
8	0.4	-74.7%	-7.0%
9	0.0	-86.6%	7.4%
10	0.1	-73.4%	17.7%
11	2.8	-69.3%	30.4%
12	10.0	-52.6%	0.2%
13	54.5	-104.9%	-33.9%
14	40.5	-54.0%	-1.1%
15	27.6	-56.8%	-17.5%
16	2.0	-68.8%	-3.4%



IES TM-30-2015 Test Report

Product Mark

Product Type : NEO11ES-R40-0705L2-1 R

Manufacturer : -

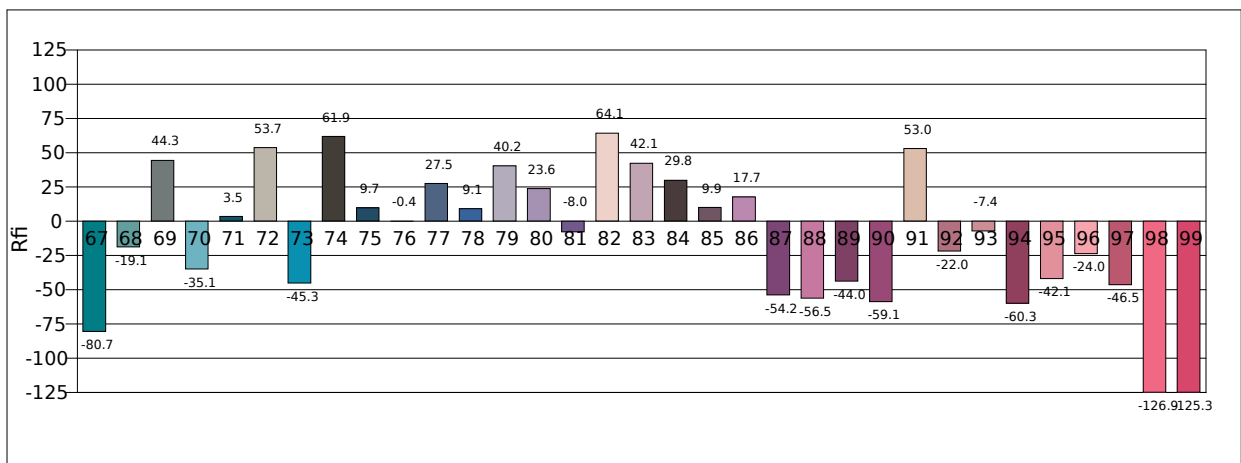
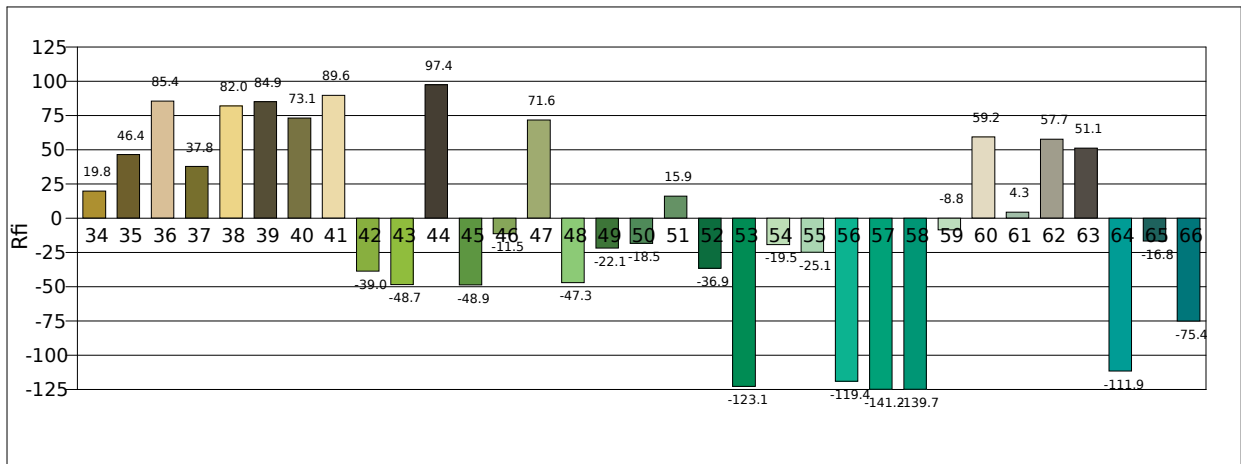
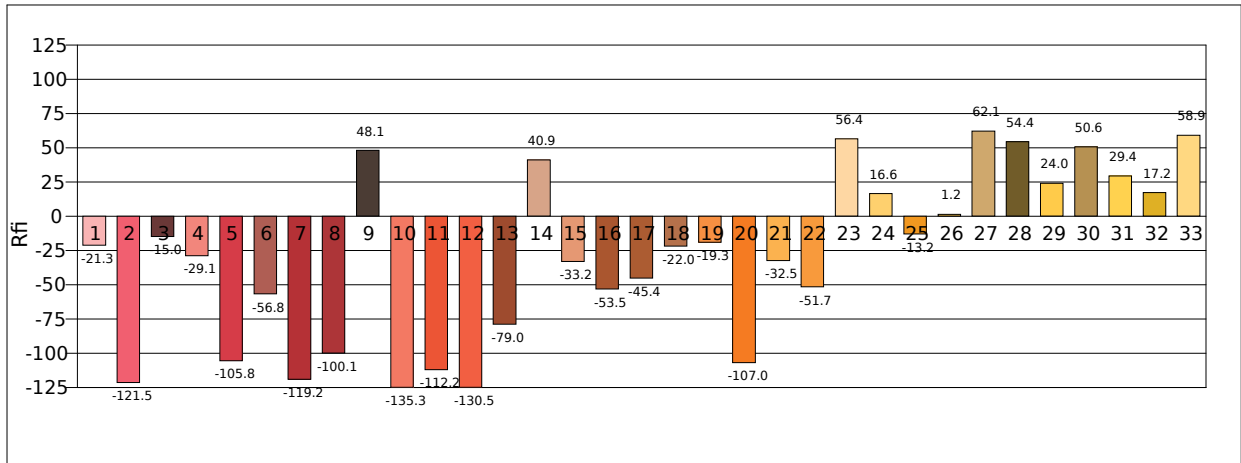
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-03-20

Remark :



LED Test Report

Product Mark

Product Type : NEO11ES-R40-0705L2-1 G

Manufacturer : -

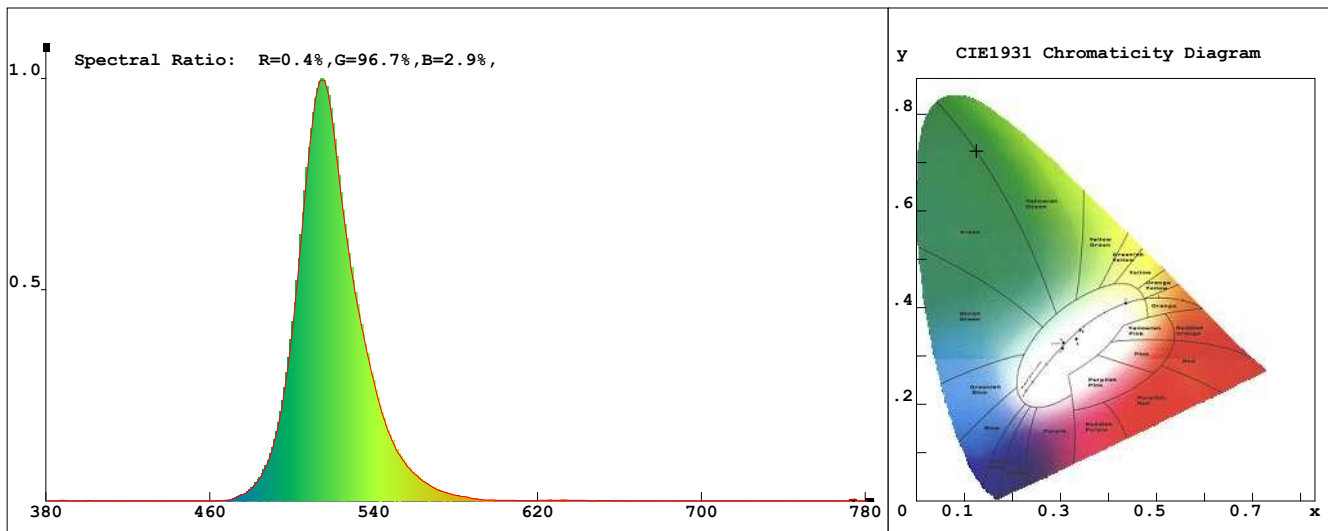
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-03-20

Remark:



Chroma Parameters

Chro.Coord.:x=0.1247 y=0.7241 u=0.0436 v=0.3798 duv=0.1700

CCT: 8707K Dominant Wave.:519.0nm Purity:78.3% Centre Wave:515.5nm

Flux RGB Ratio:R=0.1%,G=99.1%,B=0.8% Peak Wave:514.6nm Half Width:28.1nm

Rendering Index:Ra=-30.6 CRI=105.9

R1 =-38 R2 =-17 R3 =-40 R4 =-73 R5 =-10 R6 =-21 R7 =-12 R8 =-32

R9 =-355 R10=-125 R11=-101 R12=-39 R13=-48 R14=30 R15=-33

PPF:1.756umol/s (400-700nm)

PRF:0.4mW (400-700nm)

PAR:0.3mW (400-700nm)

Photo Parameters

Flux:187.98lm Effi.:44.5lm/W Radiant:405.1mW Iv:0.0mcd

Scotopic Flux:642.1Plm Effi.:0.0Plm/W S/P:3.4

Efficiency:0.00

Effi Level:A++ (EU 874-2012) Photon Flux:1757.900umol/s (380-780nm)

Ele. Parameters

Forward Current:If=176.0mA

Reverse Voltage:Vr=5.00V

Forward Voltage:Vf=24.00V

Reverse Current:Ir=0.00uA

Power:P=4.241W

Instrument state

Instrument:Lisun LMS-8000

Integral Time: 235.827ms

VPeak: 13464

VDark: 1111

Scan Range: 380-780nm

Product ID: 201508924

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IES TM-30-2015 Test Report

Product Mark

Product Type : NEO11ES-R40-0705L2-1 G

Manufacturer : -

Temperature : 'C

Humidity : -%

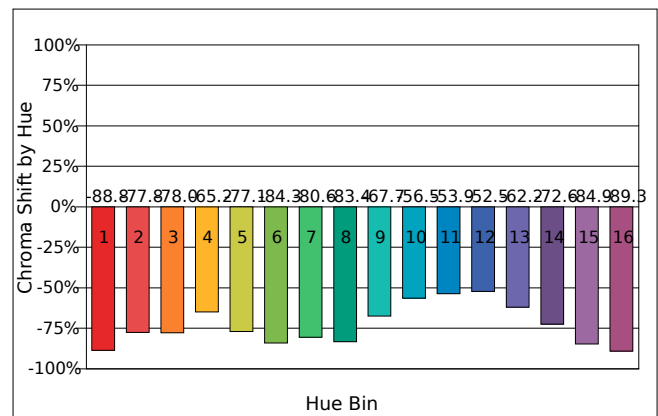
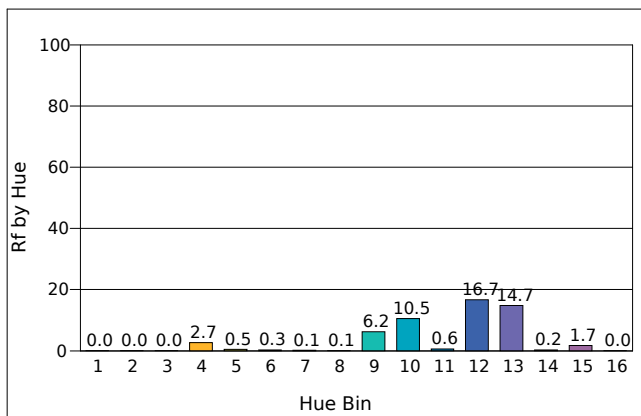
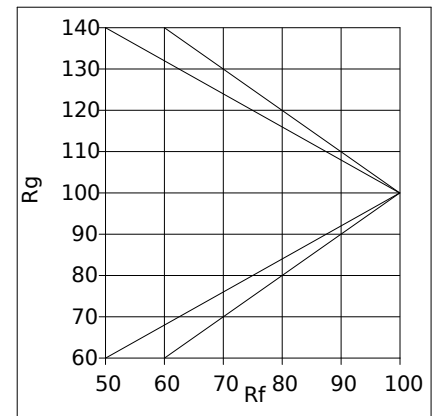
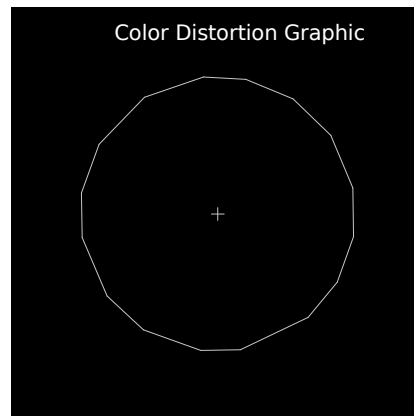
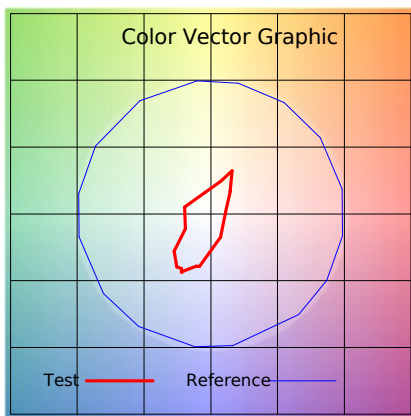
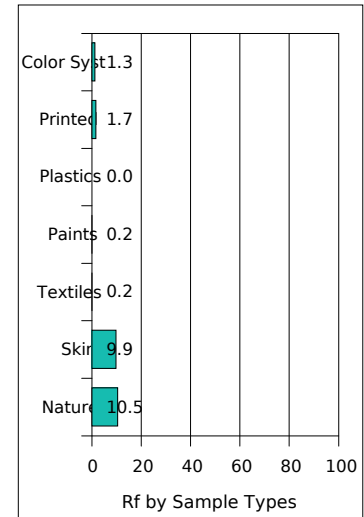
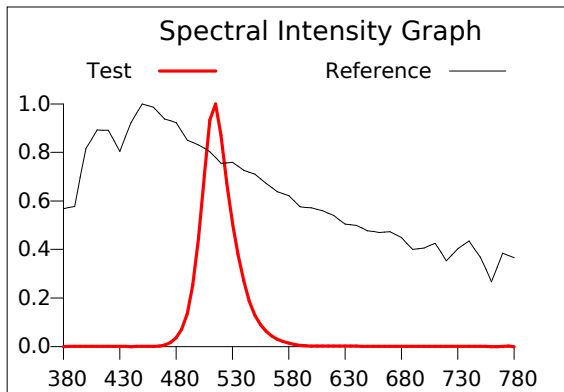
Operator : -

Test Date : 2025-03-20

Remark :

Rf: 0.3 CCT(K): 8707 u': 0.0436
 Rg: 5.1 LER: 433.9 Duv: 0.1700 v': 0.3798

Hue Bin	Rf	Graphic Shifts (%)	
		Chroma	Hue
1	0.0	-88.8%	0.4%
2	0.0	-77.8%	4.7%
3	0.0	-78.0%	-3.4%
4	2.7	-65.2%	-8.3%
5	0.5	-77.1%	-2.5%
6	0.3	-84.3%	-2.1%
7	0.1	-80.6%	0.8%
8	0.1	-83.4%	10.3%
9	6.2	-67.7%	24.5%
10	10.5	-56.5%	13.9%
11	0.6	-53.9%	2.6%
12	16.7	-52.5%	-20.3%
13	14.7	-62.2%	-24.1%
14	0.2	-72.6%	-43.6%
15	1.7	-84.9%	-44.6%
16	0.0	-89.3%	-18.8%



IES TM-30-2015 Test Report

Product Mark

Product Type : NEO11ES-R40-0705L2-1 G

Manufacturer : -

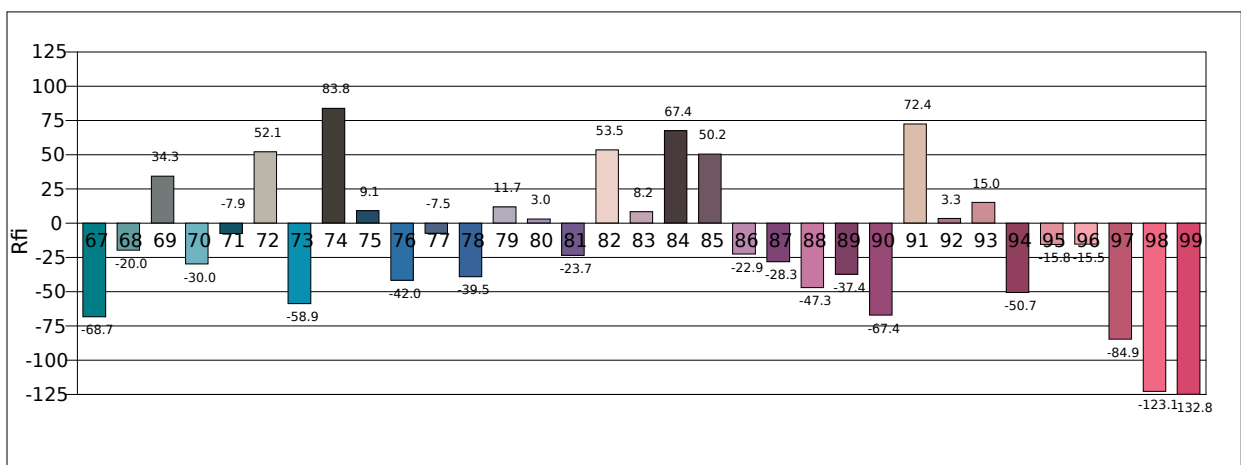
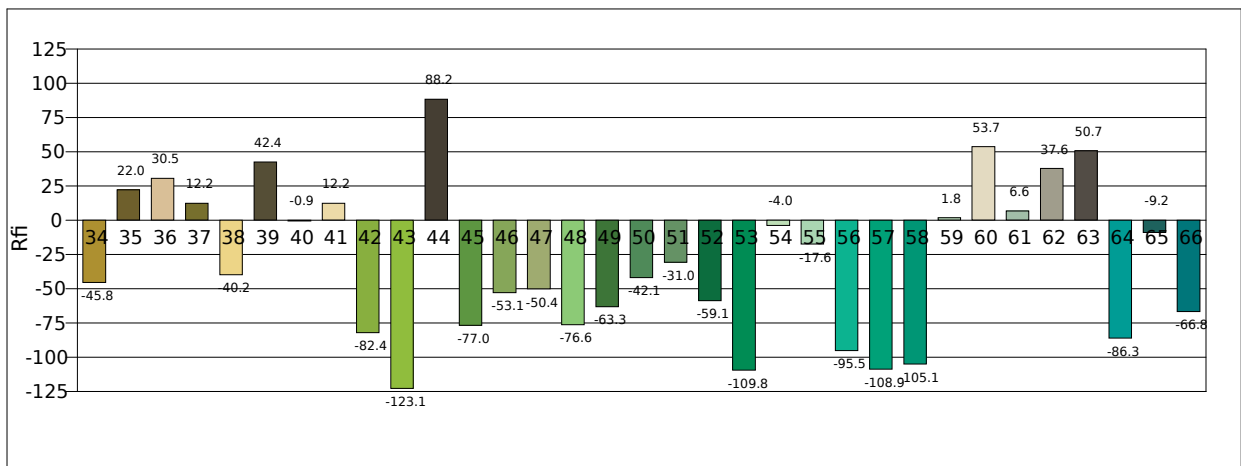
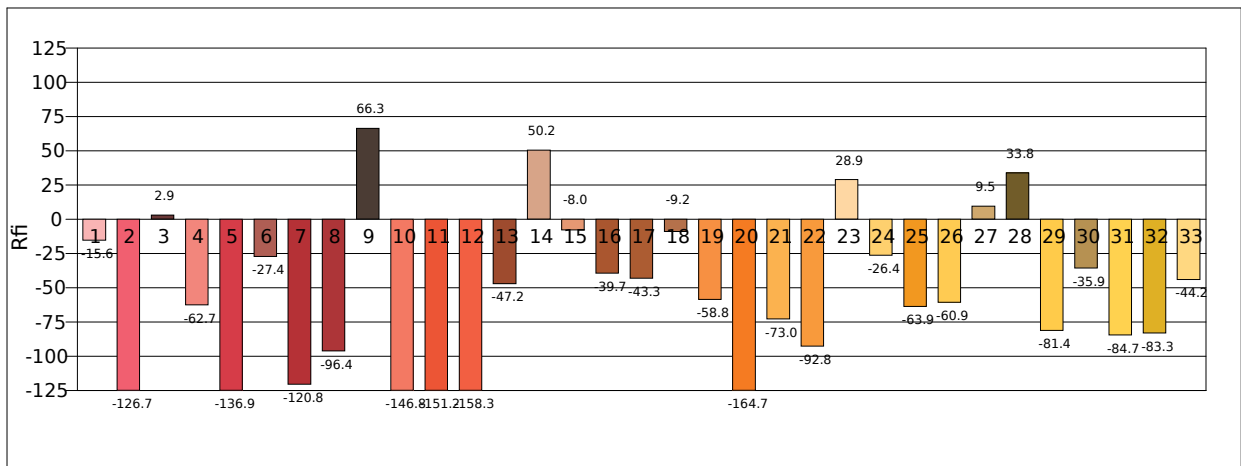
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-03-20

Remark :



LED Test Report

Product Mark

Product Type : NEO11ES-R40-0705L2-1 B

Manufacturer : -

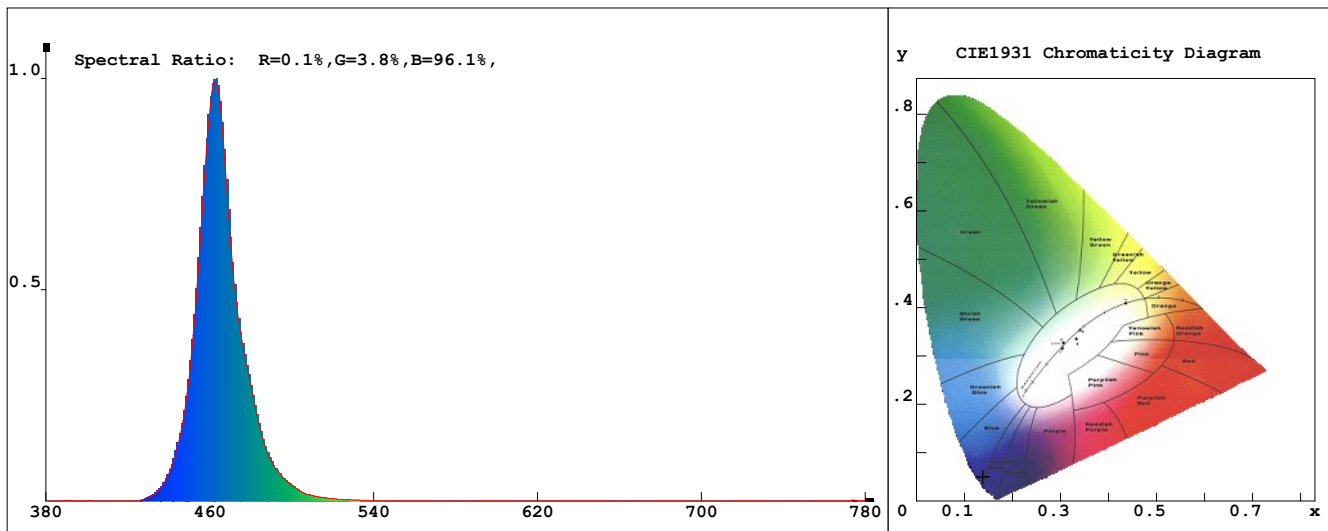
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-03-20

Remark:



Chroma Parameters

Chro.Coord.:x=0.1386 y=0.0502 u=0.1667 v=0.0907 duv=-0.0299

CCT:100000K Dominant Wave.:466.0nm Purity:97.4% Centre Wave:462.1nm

Flux RGB Ratio:R=0.2%,G=16.2%,B=83.7% Peak Wave:461.7nm Half Width:18.5nm

Rendering Index:Ra=-57.4 CRI=122.2

R1 =-36 R2 =-60 R3 =-144 R4 =-74 R5 =16 R6 =-55 R7 =-56 R8 =-50

R9 =-297 R10=-260 R11=-104 R12=-112 R13=-59 R14=-33 R15=-18

PPF:1.999umol/s (400-700nm)

PRF:0.5mW (400-700nm)

PAR:0.4mW (400-700nm)

Photo Parameters

Flux:37.08lm Effi.:9.4lm/W Radiant:515.0mW Iv:0.0mcd

Scotopic Flux:655.9Plm Effi.:0.0Plm/W S/P:17.7

Efficiency:0.00

Effi Level:A++ (EU 874-2012) Photon Flux:2001.230umol/s (380-780nm)

Ele. Parameters

Forward Current:If=165.0mA

Reverse Voltage:Vr=5.00V

Forward Voltage:Vf=24.00V

Reverse Current:Ir=0.00uA

Power:P=3.971W

Instrument state

Instrument:Lisun LMS-8000

Integral Time: 160.000ms

VPeak: 14520

VDark: 1202

Scan Range: 380-780nm

Product ID: 201508924

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IES TM-30-2015 Test Report

Product Mark

Product Type : NEO11ES-R40-0705L2-1 B

Manufacturer : -

Temperature : 'C

Humidity : -%

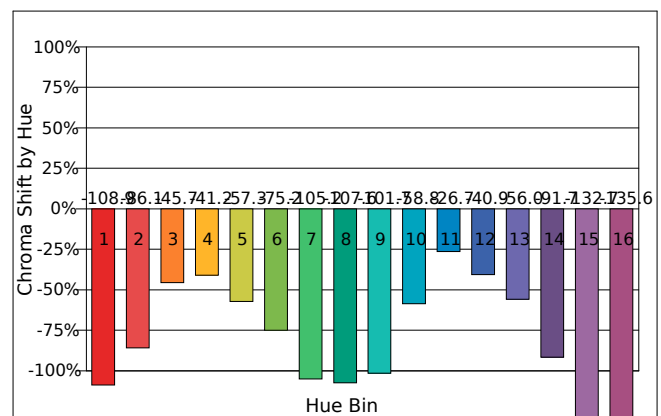
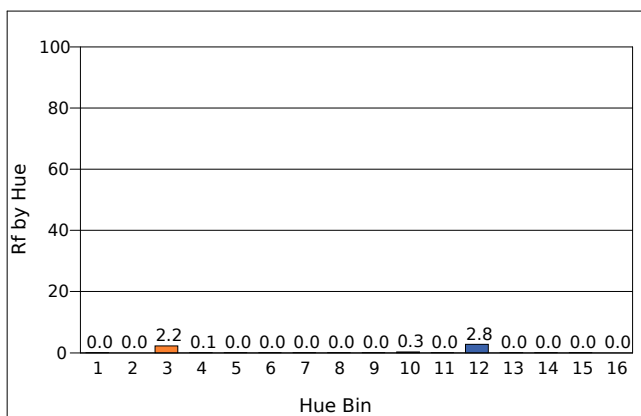
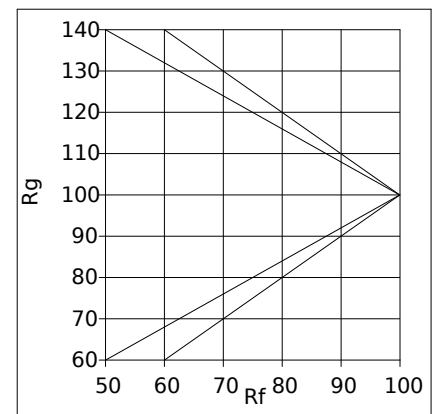
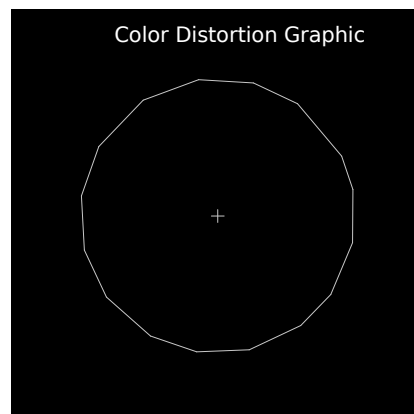
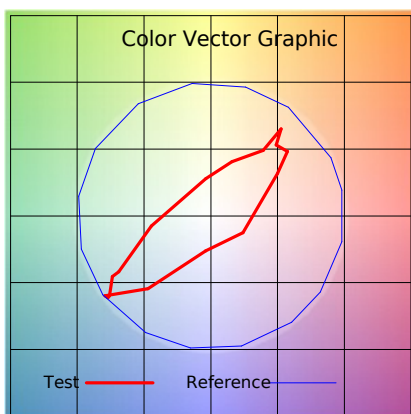
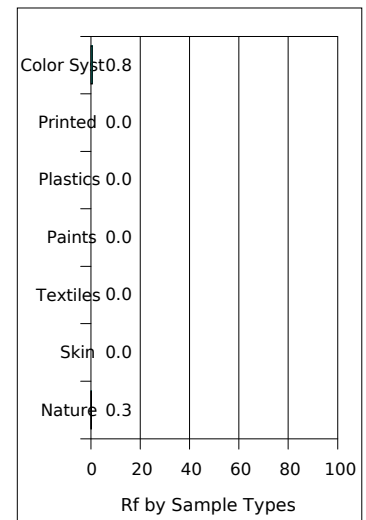
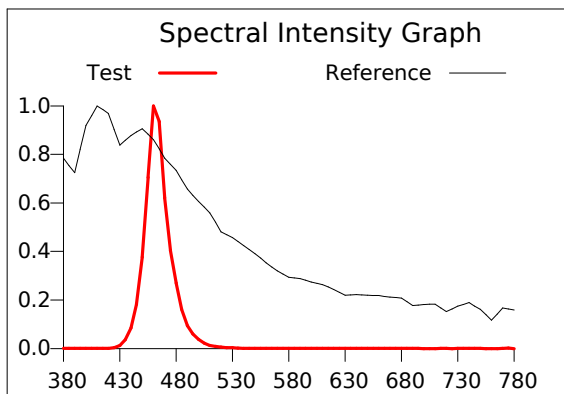
Operator : -

Test Date : 2025-03-20

Remark:

Rf: 0.0 CCT(K): 100000u': 0.1667
 Rg: 19.2 LER: 58.8 Duv: -0.0299 v': 0.0907

Hue Bin	Rf	Graphic Shifts (%)	
		Chroma	Hue
1	0.0	-108.9%	-24.6%
2	0.0	-86.1%	-9.9%
3	2.2	-45.7%	-20.9%
4	0.1	-41.2%	-40.2%
5	0.0	-57.3%	-52.7%
6	0.0	-75.2%	-78.2%
7	0.0	-105.2%	-68.6%
8	0.0	-107.6%	-47.8%
9	0.0	-101.7%	-33.4%
10	0.3	-58.8%	-22.6%
11	0.0	-26.7%	-41.9%
12	2.8	-40.9%	-67.8%
13	0.0	-56.0%	-89.6%
14	0.0	-91.7%	-104.1%
15	0.0	-132.7%	-91.9%
16	0.0	-135.6%	-62.9%



IES TM-30-2015 Test Report

Product Mark

Product Type : NEO11ES-R40-0705L2-1 B

Manufacturer : -

Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-03-20

Remark :

