

Report of Photometry & Chromaticity for Light Source

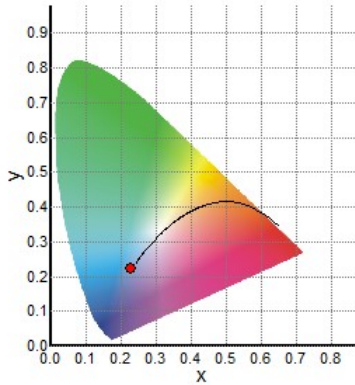
Product Description



Product Name	24x4 RGBW		
Measuring Distance	3 Meters		
Date(YYYY/MM/DD)	2021/4/14 12:35:35		
Manufacturer	FOS Technologies		
Tester			
Temperature(°C)	24	Re. Humidity(%)	38
Reviewer			

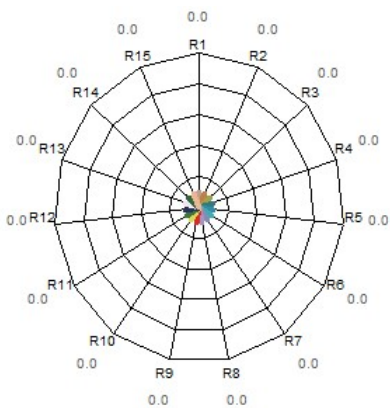
Photometry and Chromaticity

CIE_x	0.2270	Duv	0.0000
CIE_y	0.2235	λ_d (nm)	476.4
CIE_u'	0.1736	Purity(%)	47
CIE_v'	0.3848	FWHM(nm)	27
CCT(K)	0	SP ratio	4.13
Illuminance(lx)	1177	PPFD 400-700nm($\mu\text{mol}/\text{m}^2 \text{ s}$)	24.83
λ_p (nm)	457	CRI(Ra)	0
TLCI(Qa)	0.0	GAI	0.0
GAI BB8	0	GAI BB15	0
TM-30 Rf	0	TM-30 Rg	0



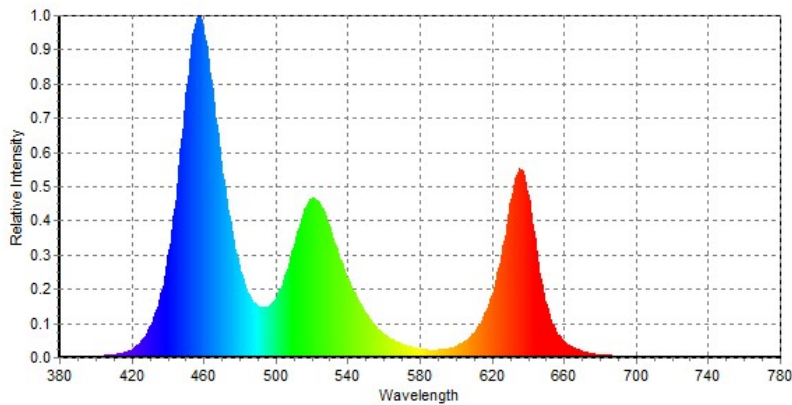
CIE1931 Chromaticity Diagram

CQS-Qa	0	Re(thru R1~R15)	0
R1	0.0	R6	0.0
R2	0.0	R7	0.0
R3	0.0	R8	0.0
R4	0.0	R9	0.0
R5	0.0	R10	0.0
R11	0.0	R12	0.0
R13	0.0	R14	0.0
R15	0.0	R15	0.0

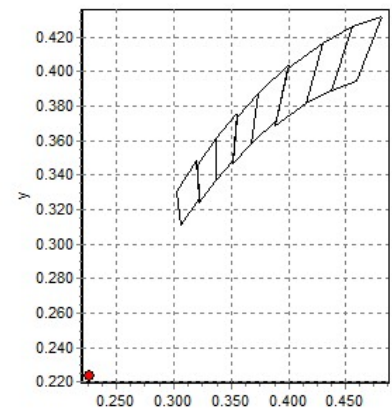


Radar Diagram of CRI

Flicker Frequency(Hz)	16	Flicker %	3
Flicker Index	0.01		



Spectral Distribution



C78.377-2008

Report of Photometry & Chromaticity for Light Source

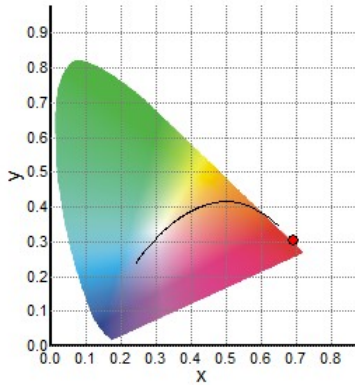
Product Description



Product Name	24x4 Red		
Measuring Distance	3 meters		
Date(YYYY/MM/DD)	2021/4/14 12:37:56		
Manufacturer	FOS Technologies		
Tester			
Temperature(°C)	24	Re. Humidity(%)	36
Reviewer			

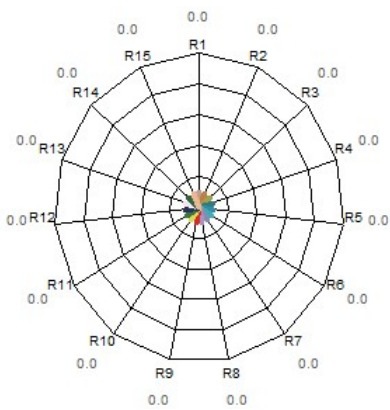
Photometry and Chromaticity

CIE_x	0.6920	Duv	0.0000
CIE_y	0.3022	λ_d (nm)	623.6
CIE_u'	0.5280	Purity(%)	98
CIE_v'	0.5188	FWHM(nm)	21
CCT(K)	0	SP ratio	0.09
Illuminance(lx)	241	PPFD 400-700nm($\mu\text{mol}/\text{m}^2 \text{ s}$)	7.29
λ_p (nm)	634	CRI(Ra)	0
TLCI(Qa)	0.0	GAI	0.0
GAI BB8	0	GAI BB15	0
TM-30 Rf	0	TM-30 Rg	0



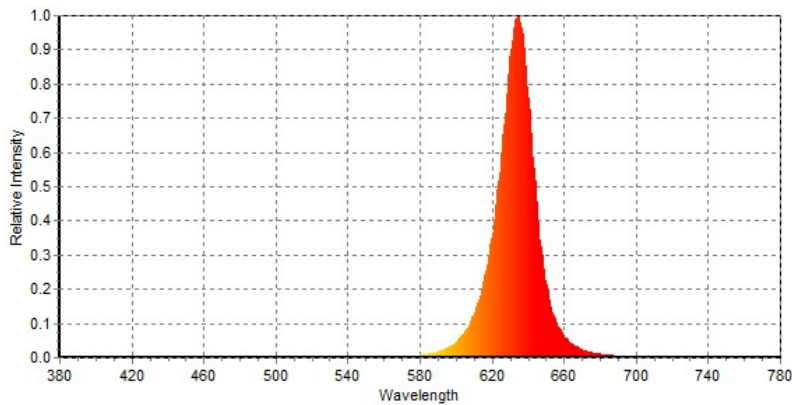
CIE1931 Chromaticity Diagram

CQS-Qa	0	Re(thru R1~R15)	0
R1	0.0	R6	0.0
R2	0.0	R7	0.0
R3	0.0	R8	0.0
R4	0.0	R9	0.0
R5	0.0	R10	0.0
		R11	0.0
		R12	0.0
		R13	0.0
		R14	0.0
		R15	0.0

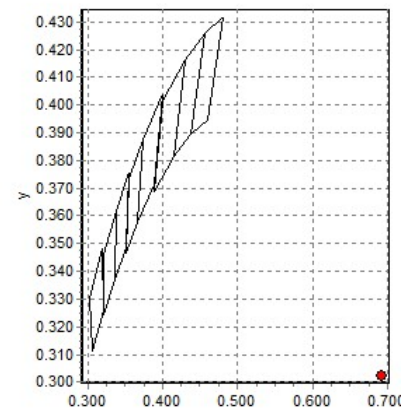


Radar Diagram of CRI

Flicker Frequency(Hz)	16	Flicker %	3
Flicker Index	0.01		



Spectral Distribution



C78.377-2008

Report of Photometry & Chromaticity for Light Source

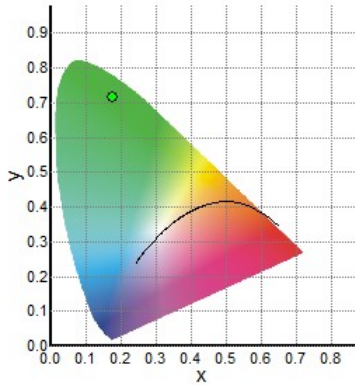


Product Description

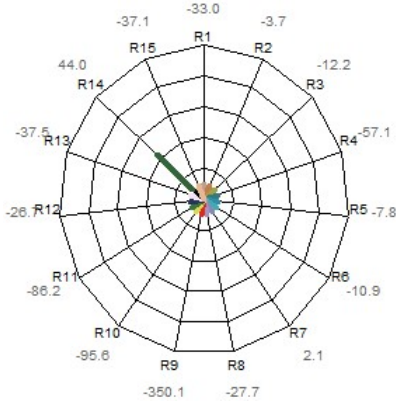
Product Name	24x4 Green		
Measuring Distance	3 meters		
Date(YYYY/MM/DD)	2021/4/14 12:38:13		
Manufacturer	FOS Technologies		
Tester			
Temperature(°C)	24	Re. Humidity(%)	36
Reviewer			

Photometry and Chromaticity

CIE_x	0.1772	Duv	0.1544
CIE_y	0.7160	λ_d (nm)	527.7
CIE_u'	0.0631	Purity(%)	79
CIE_v'	0.5734	FWHM(nm)	34
CCT(K)	7748	SP ratio	2.76
Illuminance(lx)	806	PPFD 400-700nm($\mu\text{mol}/\text{m}^2 \text{ s}$)	7.25
λ_p (nm)	521	CRI(Ra)	-19
TLCI(Qa)	3.9	GAI	1.0
GAI BB8	1	GAI BB15	1
TM-30 Rf	2	TM-30 Rg	12



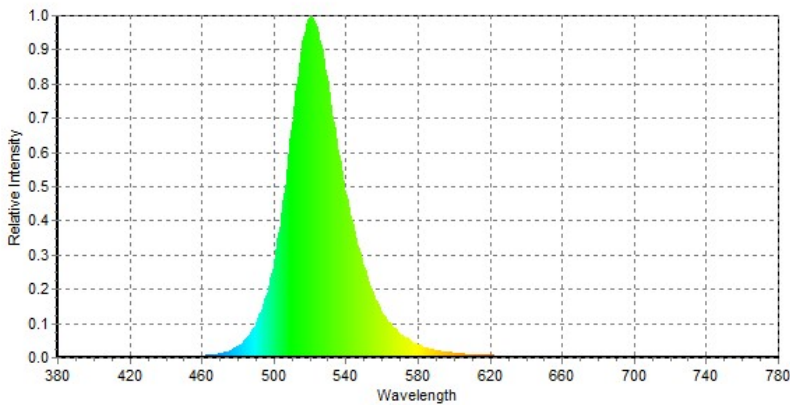
CIE1931 Chromaticity Diagram



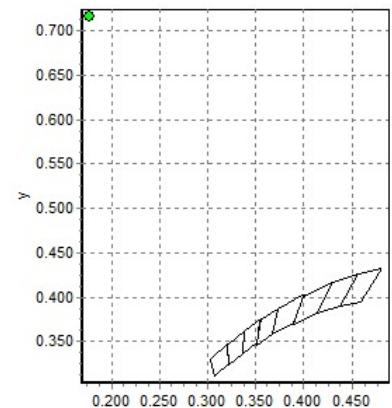
Radar Diagram of CRI

CQS-Qa	0	Re(thru R1~R15)	-49
R1	-33.0	R6	-10.9
R2	-3.7	R7	2.1
R3	-12.2	R8	-27.7
R4	-57.1	R9	-350.1
R5	-7.8	R10	-95.6
		R11	-86.2
		R12	-26.7
		R13	-37.5
		R14	44.0
		R15	-37.1

Flicker Frequency(Hz)	16	Flicker %	3
Flicker Index	0.01		



Spectral Distribution



C78.377-2008

Report of Photometry & Chromaticity for Light Source

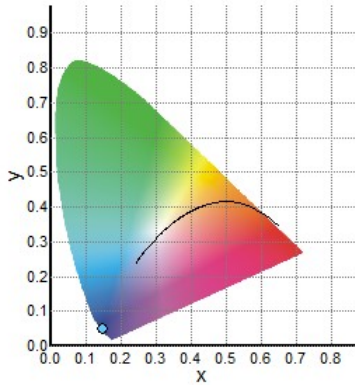
Product Description



Product Name	24x4 Blue		
Measuring Distance	3 meters		
Date(YYYY/MM/DD)	2021/4/14 12:38:25		
Manufacturer	FOS Technologies		
Tester			
Temperature(°C)	24	Re. Humidity(%)	36
Reviewer			

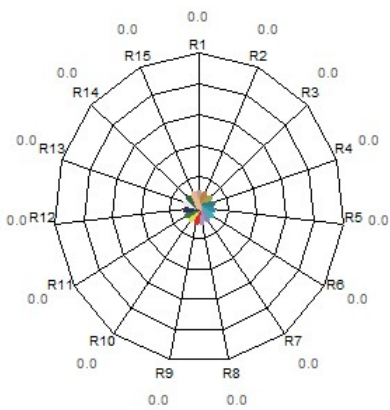
Photometry and Chromaticity

CIE_x	0.1469	Duv	0.0000
CIE_y	0.0490	λ_d (nm)	463.4
CIE_u'	0.1784	Purity(%)	96
CIE_v'	0.1338	FWHM(nm)	27
CCT(K)	0	SP ratio	15.71
Illuminance(lx)	171	PPFD 400-700nm($\mu\text{mol}/\text{m}^2 \text{ s}$)	10.99
λ_p (nm)	457	CRI(Ra)	0
TLCI(Qa)	0.0	GAI	0.0
GAI BB8	0	GAI BB15	0
TM-30 Rf	0	TM-30 Rg	0



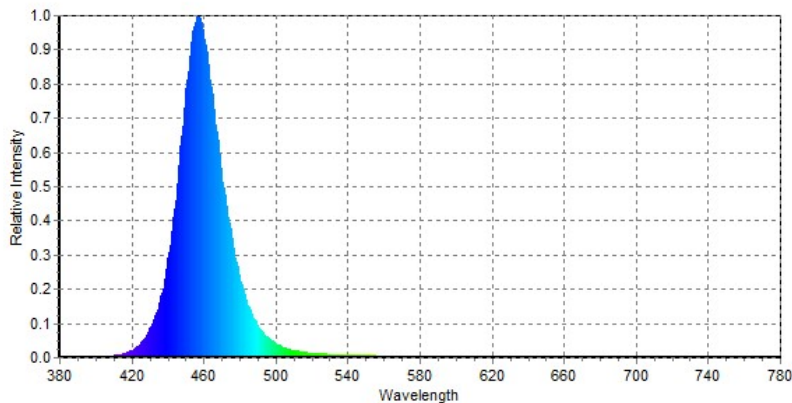
CIE1931 Chromaticity Diagram

CQS-Qa	0	Re(thru R1~R15)	0
R1	0.0	R6	0.0
R2	0.0	R7	0.0
R3	0.0	R8	0.0
R4	0.0	R9	0.0
R5	0.0	R10	0.0
		R11	0.0
		R12	0.0
		R13	0.0
		R14	0.0
		R15	0.0

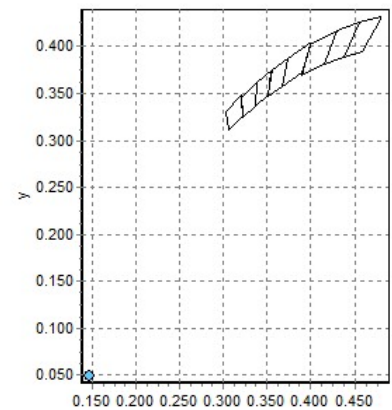


Radar Diagram of CRI

Flicker Frequency(Hz)	16	Flicker %	4
Flicker Index	0.01		



Spectral Distribution



C78.377-2008

Report of Photometry & Chromaticity for Light Source

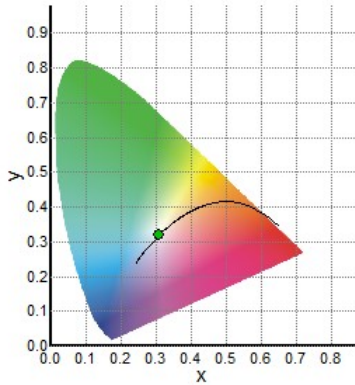


Product Description

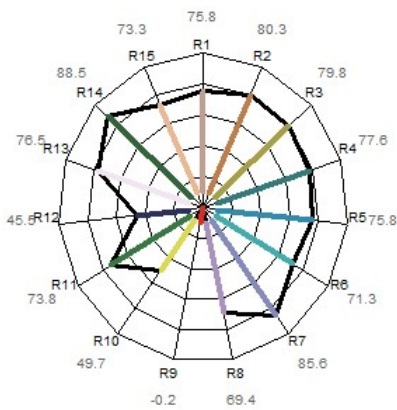
Product Name	24x4 White		
Measuring Distance	3 meters		
Date(YYYY/MM/DD)	2021/4/14 12:39:00		
Manufacturer	FOS Technologies		
Tester			
Temperature(°C)	24	Re. Humidity(%)	35
Reviewer			

Photometry and Chromaticity

CIE_x	0.3089	Duv	0.0011
CIE_y	0.3213	λ_d (nm)	485.1
CIE_u'	0.1981	Purity(%)	9
CIE_v'	0.4636	FWHM(nm)	27
CCT(K)	6788	SP ratio	2.14
Illuminance(lx)	700	PPFD 400-700nm($\mu\text{mol}/\text{m}^2 \text{s}$)	9.98
λ_p (nm)	451	CRI(Ra)	77
TLCI(Qa)	57.7	GAI	89.3
GAI BB8	90	GAI BB15	95
TM-30 Rf	74	TM-30 Rg	95



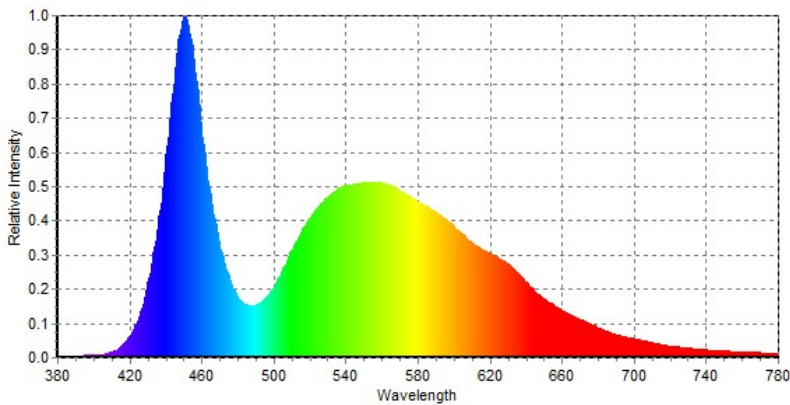
CIE1931 Chromaticity Diagram



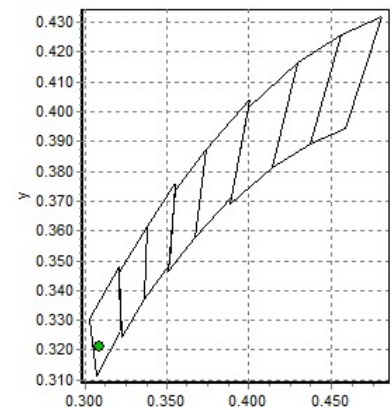
Radar Diagram of CRI

CQS-Qa	74	Re(thru R1~R15)	68
R1	75.8	R6	71.3
R2	80.3	R7	85.6
R3	79.8	R8	69.4
R4	77.6	R9	-0.2
R5	75.8	R10	49.7
		R11	73.8
		R12	45.5
		R13	76.5
		R14	88.5
		R15	73.3

Flicker Frequency(Hz)	16	Flicker %	4
Flicker Index	0.01		



Spectral Distribution



C78.377-2008