

Report of Photometry & Chromaticity for Light Source

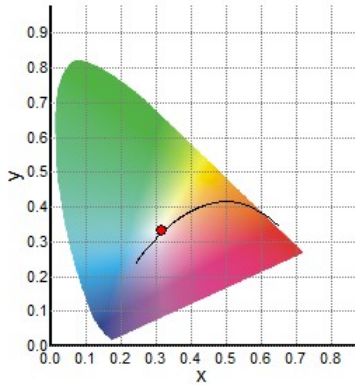


Product Description

Product Name	Orion Min Zoom 5°		
Measuring Distance	5 meters		
Date(YYYY/MM/DD)	2021/4/2 09:41:36		
Manufacturer Tester	FOS Technologies		
Temperature(°C)	21	Re. Humidity(%)	42
Reviewer			

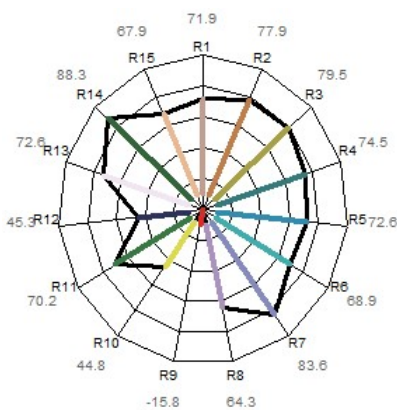
Photometry and Chromaticity

CIE_x	0.3155	Duv	0.0031
CIE_y	0.3316	λ_d (nm)	490.5
CIE_u'	0.1988	Purity(%)	6
CIE_v'	0.4701	FWHM(nm)	31
CCT(K)	6339	SP ratio	2.04
Illuminance(lx)	29913	PPFD 400-700nm($\mu\text{mol}/\text{m}^2/\text{s}$)	15.28
λ_p (nm)	450	CRI(Ra)	74
TLCI(Qa)	53.2	GAI	85.6
GAI BB8	88	GAI BB15	93
TM-30 Rf	72	TM-30 Rg	93



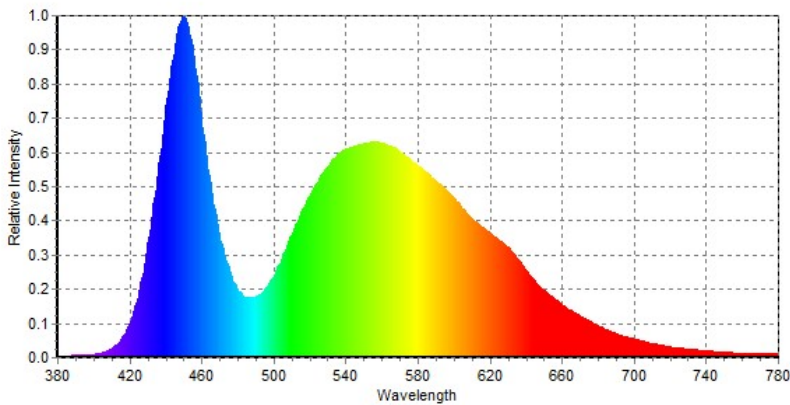
CIE1931 Chromaticity Diagram

CQS-Qa	72	Re(thru R1~R15)	64
R1	71.9	R6	68.9
R2	77.9	R7	83.6
R3	79.5	R8	64.3
R4	74.5	R9	-15.8
R5	72.6	R10	44.8
		R11	70.2
		R12	45.3
		R13	72.6
		R14	88.3
		R15	67.9

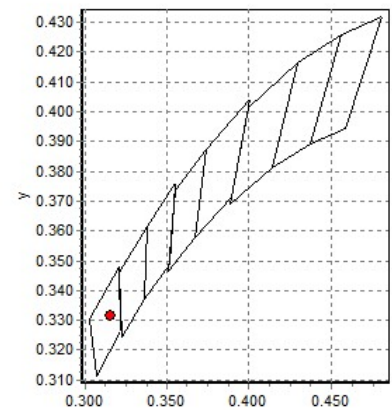


Radar Diagram of CRI

Flicker Frequency(Hz)	186	Flicker %	1
Flicker Index	0.00		



Spectral Distribution



C78.377-2008

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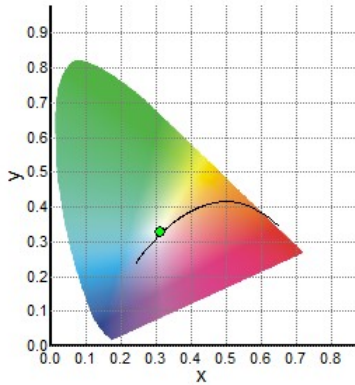


Product Description

Product Name	Orion Max Zoom 50°		
Measuring Distance	5 Meters		
Date(YYYY/MM/DD)	2021/4/209:45:28		
Manufacturer Tester	FOS Technologies		
Temperature(°C)	22	Re. Humidity(%)	38
Reviewer			

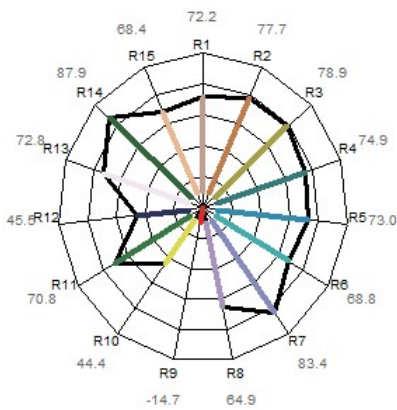
Photometry and Chromaticity

CIE_x	0.3138	Duv	0.0027
CIE_y	0.3291	λ_d (nm)	488.9
CIE_u'	0.1986	Purity(%)	7
CIE_v'	0.4685	FWHM(nm)	31
CCT(K)	6446	SP ratio	2.05
Illuminance(lx)	1385	PPFD 400-700nm($\mu\text{mol}/\text{m}^2 \text{ s}$)	19.31
λ_p (nm)	450	CRI(Ra)	74
TLCI(Qa)	53.2	GAI	86.4
GAI BB8	89	GAI BB15	93
TM-30 Rf	72	TM-30 Rg	94



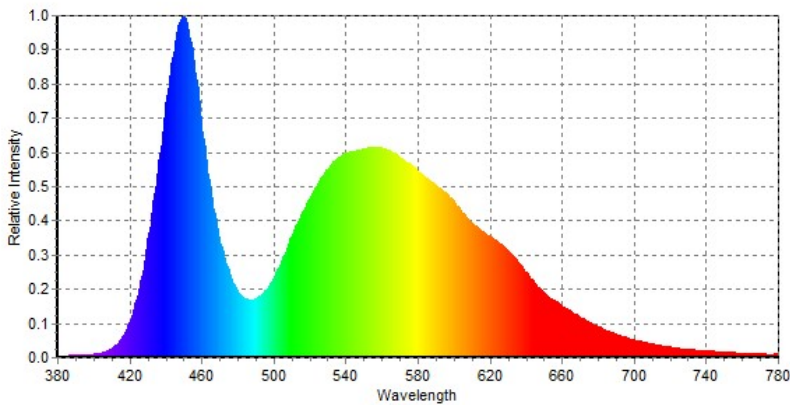
CIE1931 Chromaticity Diagram

CQS-Qa	72	Re(thru R1~R15)	65
R1	72.2	R6	68.8
R2	77.7	R7	83.4
R3	78.9	R8	64.9
R4	74.9	R9	-14.7
R5	73.0	R10	44.4
		R11	70.8
		R12	45.5
		R13	72.8
		R14	87.9
		R15	68.4

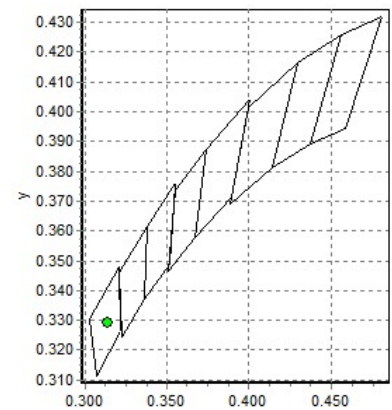


Radar Diagram of CRI

Flicker Frequency(Hz)	52	Flicker %	0
Flicker Index	0.00		



Spectral Distribution



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