

Report of Photometry & Chromaticity for Light Source

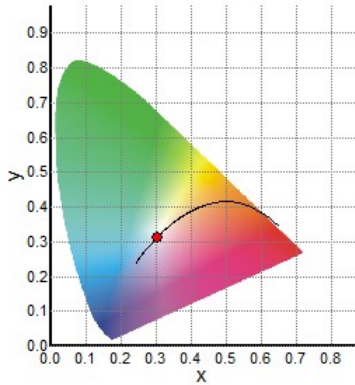


Product Description

Product Name	Ares Profile
Sample Number	
Date(YYYY/MM/DD)	2024/1/10 14:54:56
Manufacturer	FOS Technologies
Tester	
Temperature(°C)	
Beam angle	Zoom max. @ 5 meters

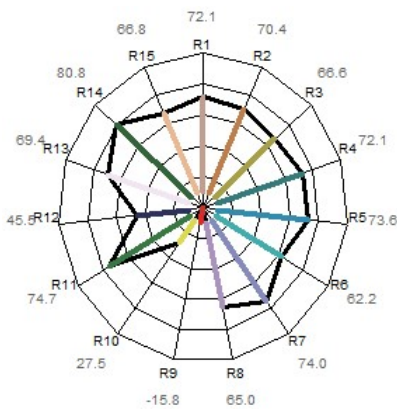
Photometry and Chromaticity

CIE_x	0.3026	Duv	-0.0018
CIE_y	0.3092	λ_d (nm)	480.7
CIE_u'	0.1982	Purity(%)	13
CIE_v'	0.4558	FWHM(nm)	28
CCT(K)	7362	SP ratio	2.04
Illuminance(lx)	7200	PPFD 400-700nm($\mu\text{mol}/\text{m}^2/\text{s}$)	103.72
λ_p (nm)	441	CRI(Ra)	70
TLCI(Qa)	46.1	GAI	93.2
GAI BB8	93	GAI BB15	95
TM-30 Rf	64	TM-30 Rg	97



CIE1931 Chromaticity Diagram

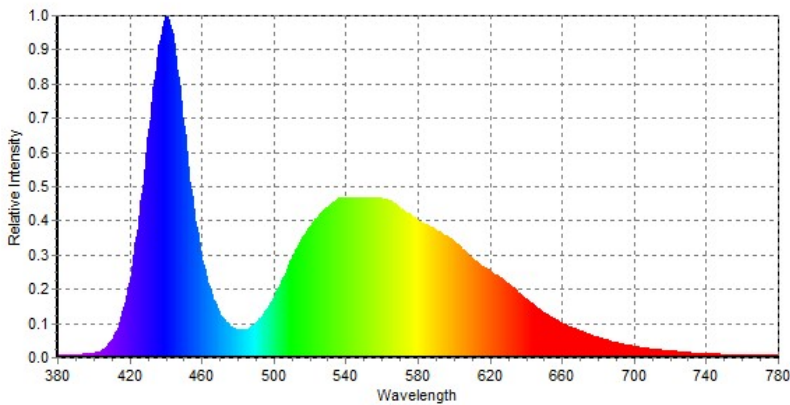
CQS-Qa	70	Re(thru R1~R15)	60
R1	72.1	R6	62.2
R2	70.4	R7	74.0
R3	66.6	R8	65.0
R4	72.1	R9	-15.8
R5	73.6	R10	27.5
		R11	74.7
		R12	45.5
		R13	69.4
		R14	80.8
		R15	66.8



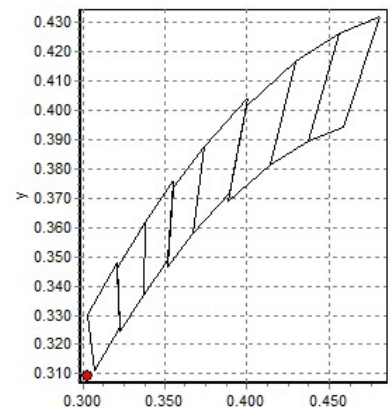
Radar Diagram of CRI

Flicker Frequency(Hz)
Flicker Index

Flicker %



Spectral Distribution



C78.377-2008