

Report of Photometry & Chromaticity for Light Source

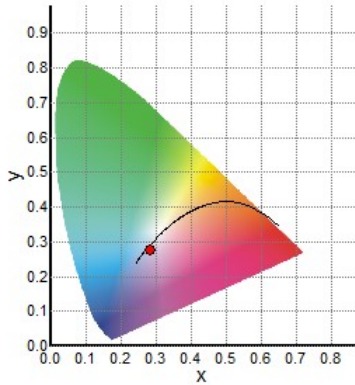


Product Description

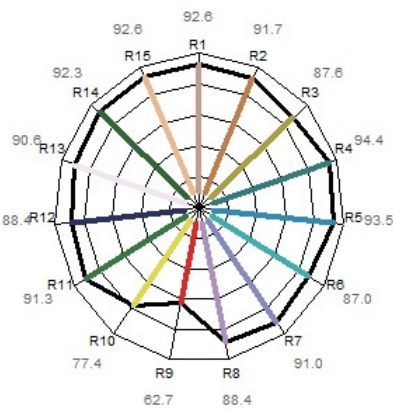
Product Name	12R Pro Spot		
Measuring Distance	5 meters		
Date(YYYY/MM/DD)	2021/4/2 09:56:55		
Manufacturer	FOS Technologies		
Tester			
Temperature(°C)	24	Re. Humidity(%)	37
Reviewer			

Photometry and Chromaticity

CIE_x	0.2846	Duv	-0.0090
CIE_y	0.2764	λ_d (nm)	473.6
CIE_u'	0.1980	Purity(%)	22
CIE_v'	0.4328	FWHM(nm)	103
CCT(K)	10285	SP ratio	2.64
Illuminance(lx)	63231	PPFD 400-700nm($\mu\text{mol}/\text{m}^2/\text{s}$)	47.00
λ_p (nm)	428	CRI(Ra)	91
TLCI(Qa)	78.4	GAI	105.6
GAI BB8	100	GAI BB15	99
TM-30 Rf	86	TM-30 Rg	100



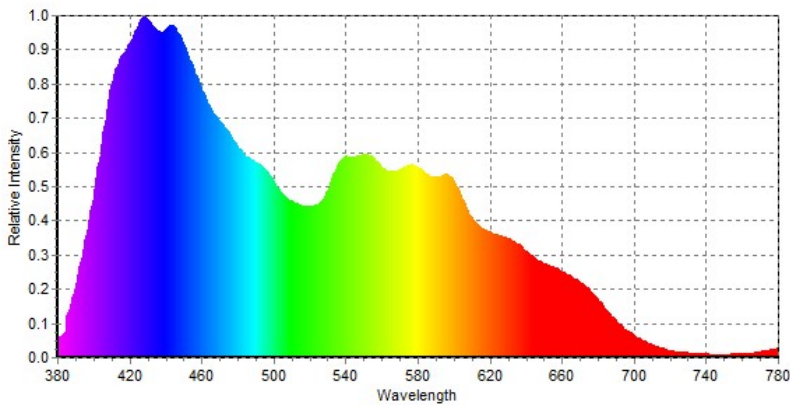
CIE1931 Chromaticity Diagram



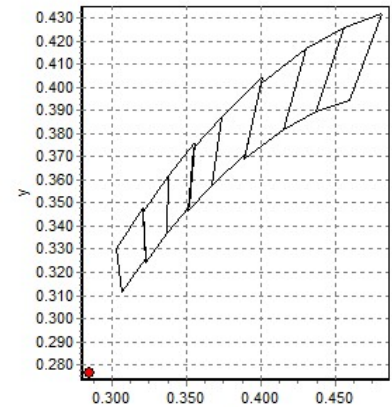
Radar Diagram of CRI

CQS-Qa	85	Re(thru R1~R15)	88
R1	92.6	R6	87.0
R2	91.7	R7	91.0
R3	87.6	R8	88.4
R4	94.4	R9	62.7
R5	93.5	R10	77.4
		R11	91.3
		R12	88.4
		R13	90.6
		R14	92.3
		R15	92.6

Flicker Frequency(Hz)	313	Flicker %	61
Flicker Index	0.01		



Spectral Distribution



C78.377-2008