

Report of Photometry & Chromaticity for Light Source

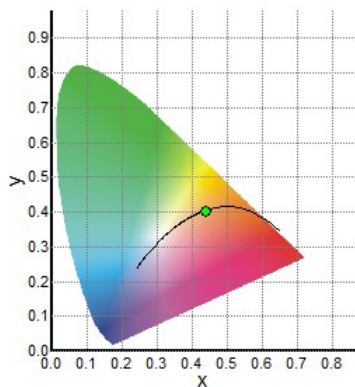


Product Description

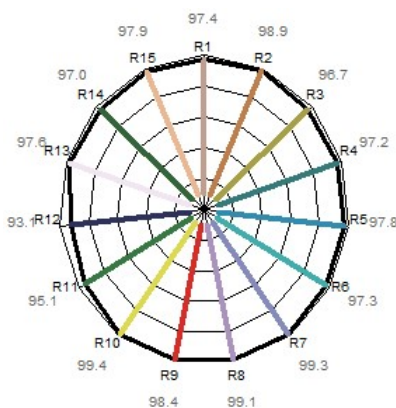
Product Name	Reborn 15° - 2m		
Sample Number			
Date(YYYY/MM/DD)	2021/2/25 14:25:59		
Manufacturer			
Tester			
Temperature(°C)	25	Re. Humidity(%)	43
Reviewer			

Photometry and Chromaticity

CIE_x	0.4406	Duv	-0.0014
CIE_y	0.4017	λ_d (nm)	583.7
CIE_u'	0.2540	Purity(%)	53
CIE_v'	0.5210	FWHM(nm)	154
CCT(K)	2920	SP ratio	1.45
Illuminance(lx)	20603	PPFD 400-700nm($\mu\text{mol}/\text{m}^2/\text{s}$)	358.12
λ_p (nm)	634	CRI(Ra)	98
TLCI(Qa)	98.5	GAI	58.9
GAI BB8	107	GAI BB15	108
TM-30 Rf	96	TM-30 Rg	102



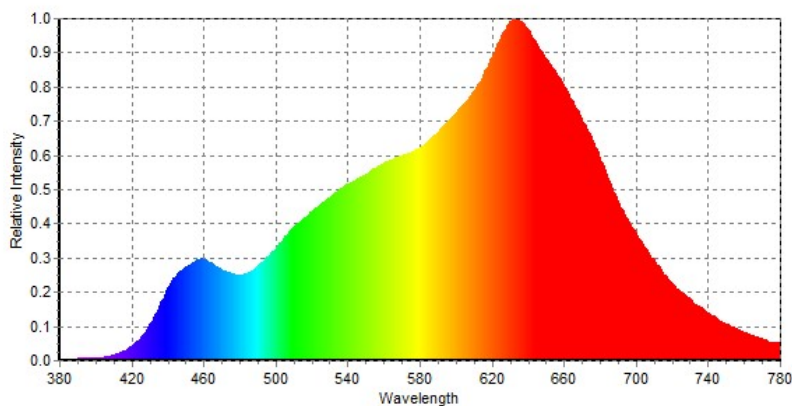
CIE1931 Chromaticity Diagram



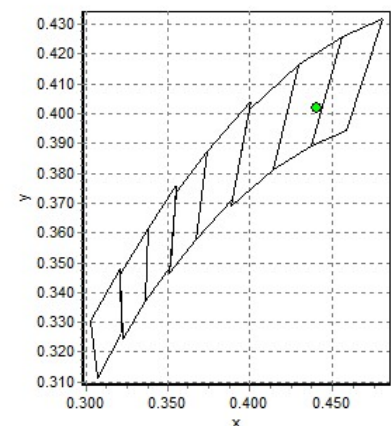
Radar Diagram of CRI

CQS-Qa		98	Re(thru R1~R15)		97
 R1	97.4	 R6	97.3	 R11	95.1
 R2	98.9	 R7	99.3	 R12	93.1
 R3	96.7	 R8	99.1	 R13	97.6
 R4	97.2	 R9	98.4	 R14	97.0
 R5	97.8	 R10	99.4	 R15	97.9

Flicker Frequency(Hz)	295	Flicker %	8
Flicker Index	0.01		



Spectral Distribution



C78.377-2008

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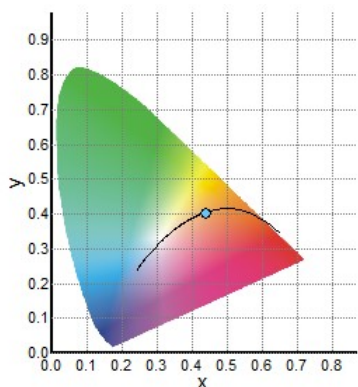


Product Description

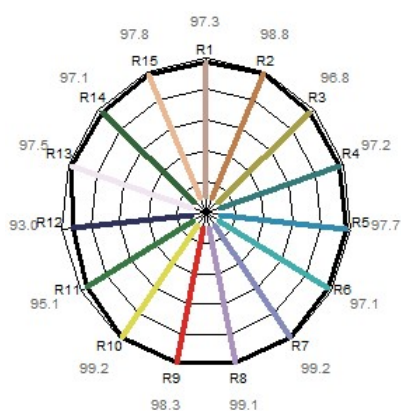
Product Name	Reborn 30° - 2m		
Sample Number			
Date(YYYY/MM/DD)	2021/2/25 14:31:36		
Manufacturer			
Tester			
Temperature(°C)	27	Re. Humidity(%)	40
Reviewer			

Photometry and Chromaticity

CIE_x	0.4414	Duv	-0.0016
CIE_y	0.4015	λ_d (nm)	583.8
CIE_u'	0.2546	Purity(%)	53
CIE_v'	0.5210	FWHM(nm)	152
CCT(K)	2905	SP ratio	1.44
Illuminance(lx)	5253	PPFD 400-700nm($\mu\text{mol}/\text{m}^2 \text{s}$)	91.56
λ_p (nm)	634	CRI(Ra)	98
TLCI(Qa)	98.5	GAI	58.8
GAI BB8	107	GAI BB15	109
TM-30 Rf	96	TM-30 Rg	102



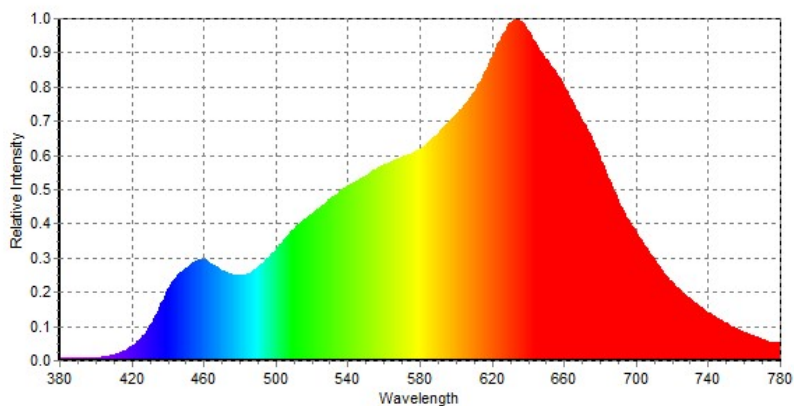
CIE1931 Chromaticity Diagram



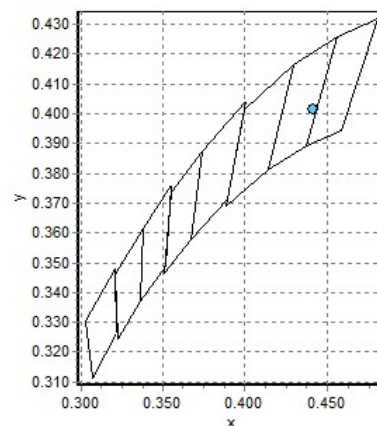
Radar Diagram of CRI

CQS-Qa	98	Re(thru R1~R15)	97
R1 97.3	R6 97.1	R11 95.1	
R2 98.8	R7 99.2	R12 93.0	
R3 96.8	R8 99.1	R13 97.5	
R4 97.2	R9 98.3	R14 97.1	
R5 97.7	R10 99.2	R15 97.8	

Flicker Frequency(Hz)	140	Flicker %	3
Flicker Index	0.01		



Spectral Distribution



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