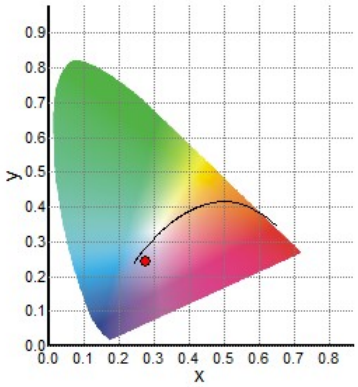
Report of Photometry & Chromaticity for Light Source



Product Description

Product Name	HotBox™ G2 EXA - 2M
Sample Number	1
Date(YYYY/MM/DD)	2025/3/18 13:36:48
Manufacturer	Blizzard Lighting
Tester	Joe Thomas
Temperature(°C)	Re. Humidity(%)
Reviewer	



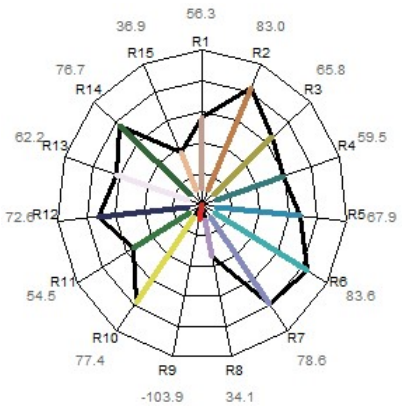
CIE1931 Chromaticity Diagram

Photometry and Chromaticity

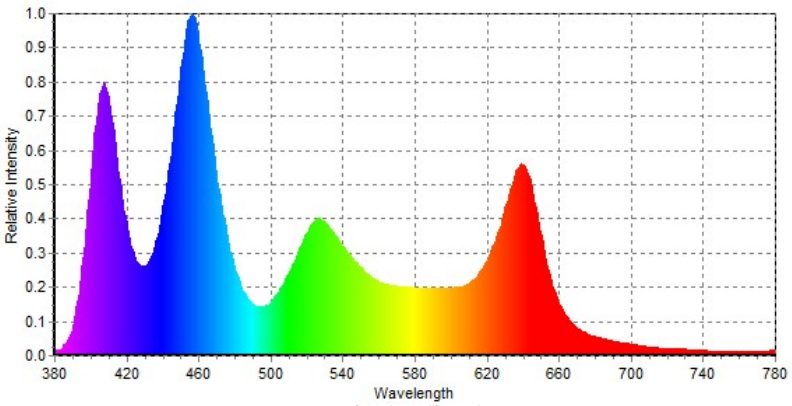
CIE_x	0.2765	Duv	-0.0238
CIE_y	0.2415	λd(nm)	459.5
CIE_u'	0.2069	Purity(%)	30
CIE_v'	0.4066	FWHM(nm)	30
CCT(K)	18143	SP ratio	2.97
Illuminance(lx)	3499	PPFD 400-700nm(μmol/m² s)	75.55
λp(nm)	457	CRI(Ra)	66
TLCI(Qa)	63.5	GAI	143.0
GAI BB8	132	GAI BB15	128
TM-30 Rf	73	TM-30 Rg	115

CQS-Qa	85	Re(thru R1~R15)	54		
R1	56.3	R6	83.6	R11	54.5
R2	83.0	R7	78.6	R12	72.6
R3	65.8	R8	34.1	R13	62.2
R4	59.5	R9	-103.9	R14	76.7
R5	67.9	R10	77.4	R15	36.9

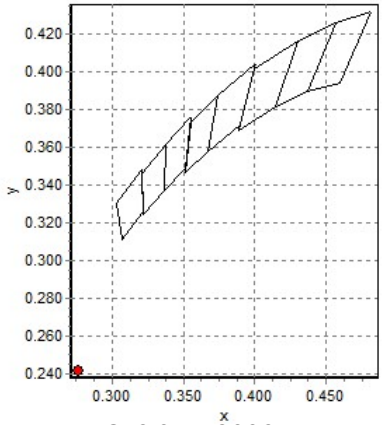
Flicker Frequency(Hz)	Flicker %
Flicker Index	



Radar Diagram of CRI



Spectral Distribution



C78.377-2008

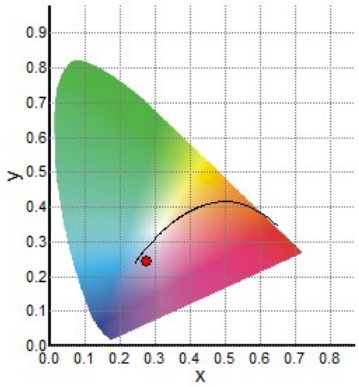
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Report of Photometry & Chromaticity for Light Source



Product Description

Product Name	HotBox™ G2 EXA - 2.5M
Sample Number	1
Date(YYYY/MM/DD)	2025/3/18 13:39:52
Manufacturer	Blizzard Lighting
Tester	Joe Thomas
Temperature(°C)	Re. Humidity(%)
Reviewer	



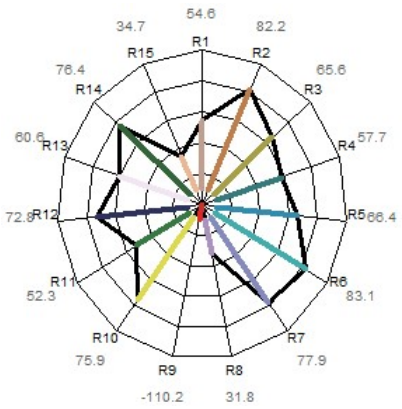
CIE1931 Chromaticity Diagram

Photometry and Chromaticity

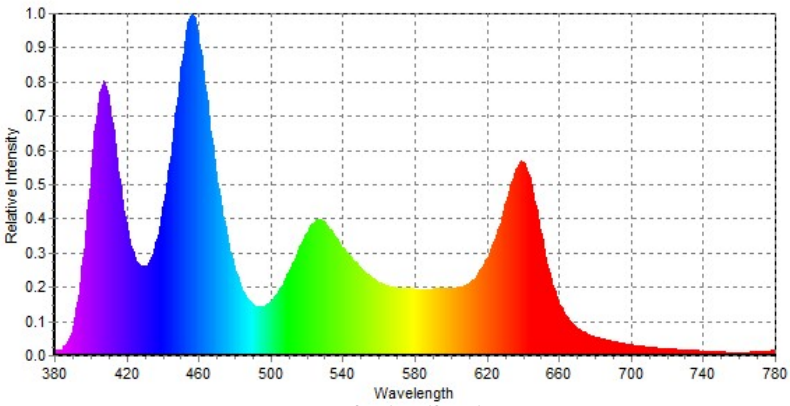
CIE_x	0.2771	Duv	-0.0243
CIE_y	0.2413	λd(nm)	458.5
CIE_u'	0.2075	Purity(%)	30
CIE_v'	0.4066	FWHM(nm)	30
CCT(K)	17961	SP ratio	2.98
Illuminance(lx)	2230	PPFD 400-700nm(μmol/m² s)	48.33
λp(nm)	457	CRI(Ra)	65
TLCI(Qa)	62.0	GAI	144.1
GAI BB8	133	GAI BB15	129
TM-30 Rf	73	TM-30 Rg	116

CQS-Qa	85	Re(thru R1~R15)	52		
R1	54.6	R6	83.1	R11	52.3
R2	82.2	R7	77.9	R12	72.8
R3	65.6	R8	31.8	R13	60.6
R4	57.7	R9	-110.2	R14	76.4
R5	66.4	R10	75.9	R15	34.7

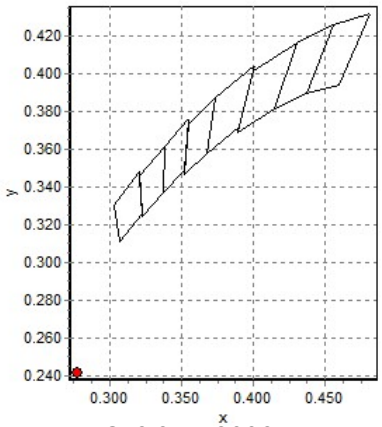
Flicker Frequency(Hz)	Flicker %
Flicker Index	



Radar Diagram of CRI



Spectral Distribution



C78.377-2008

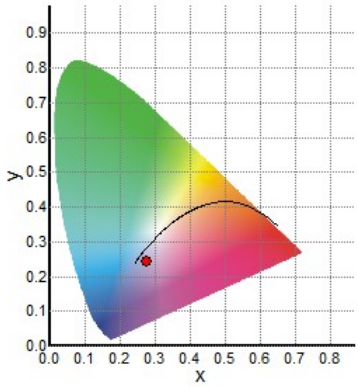
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Report of Photometry & Chromaticity for Light Source



Product Description

Product Name	HotBox™ G2 EXA - 3M
Sample Number	1
Date(YYYY/MM/DD)	2025/3/18 13:40:48
Manufacturer	Blizzard Lighting
Tester	Joe Thomas
Temperature(°C)	Re. Humidity(%)
Reviewer	

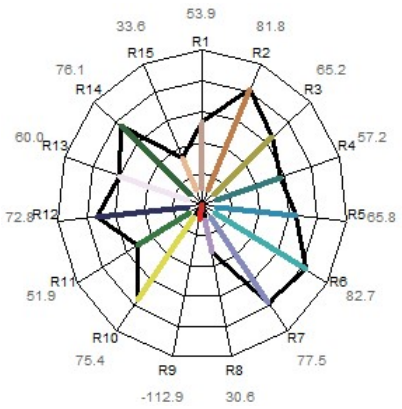


CIE1931 Chromaticity Diagram

Photometry and Chromaticity

CIE_x	0.2782	Duv	-0.0250
CIE_y	0.2416	λd(nm)	457.0
CIE_u'	0.2083	Purity(%)	30
CIE_v'	0.4070	FWHM(nm)	30
CCT(K)	17371	SP ratio	2.96
Illuminance(lx)	1523	PPFD 400-700nm(μmol/m² s)	33.05
λp(nm)	457	CRI(Ra)	64
TLCI(Qa)	61.5	GAI	144.5
GAI BB8	133	GAI BB15	129
TM-30 Rf	73	TM-30 Rg	116

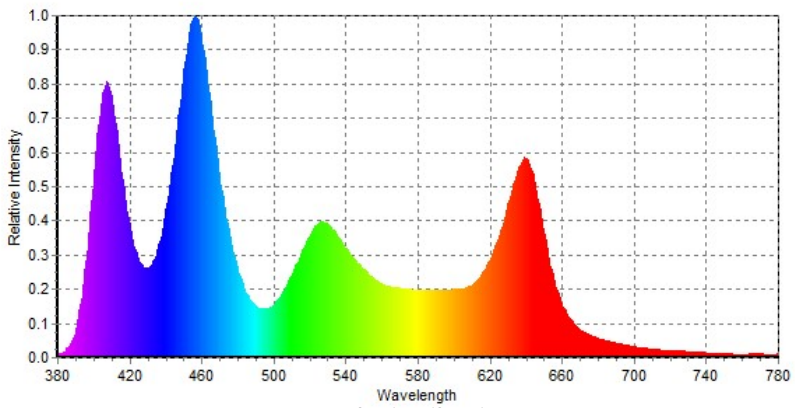
CQS-Qa	85	Re(thru R1~R15)	51		
R1	53.9	R6	82.7	R11	51.9
R2	81.8	R7	77.5	R12	72.8
R3	65.2	R8	30.6	R13	60.0
R4	57.2	R9	-112.9	R14	76.1
R5	65.8	R10	75.4	R15	33.6



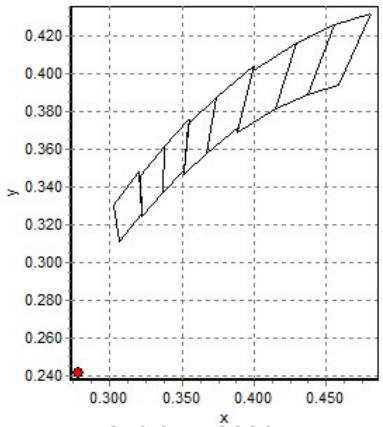
Radar Diagram of CRI

Flicker Frequency(Hz) Flicker %

Flicker Index



Spectral Distribution



C78.377-2008

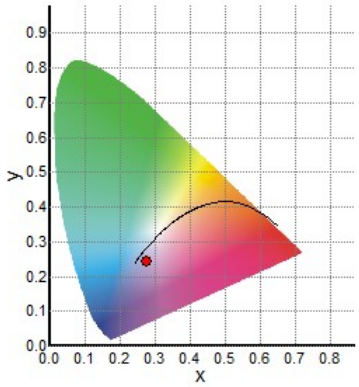
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Report of Photometry & Chromaticity for Light Source



Product Description

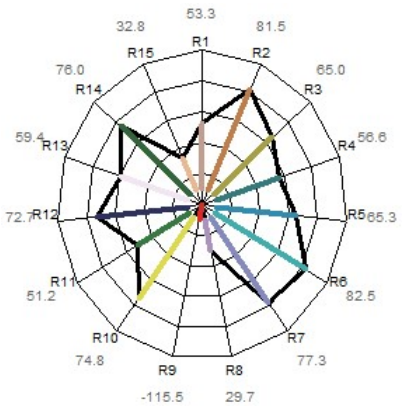
Product Name	HotBox™ G2 EXA - 4M
Sample Number	1
Date(YYYY/MM/DD)	2025/3/18 13:41:39
Manufacturer	Blizzard Lighting
Tester	Joe Thomas
Temperature(°C)	Re. Humidity(%)
Reviewer	



CIE1931 Chromaticity Diagram

Photometry and Chromaticity

CIE_x	0.2781	Duv	-0.0253
CIE_y	0.2410	λd(nm)	456.6
CIE_u'	0.2085	Purity(%)	30
CIE_v'	0.4065	FWHM(nm)	30
CCT(K)	17622	SP ratio	2.96
Illuminance(lx)	893	PPFD 400-700nm(μmol/m² s)	19.42
λp(nm)	457	CRI(Ra)	64
TLCI(Qa)	60.9	GAI	145.0
GAI BB8	134	GAI BB15	130
TM-30 Rf	72	TM-30 Rg	116

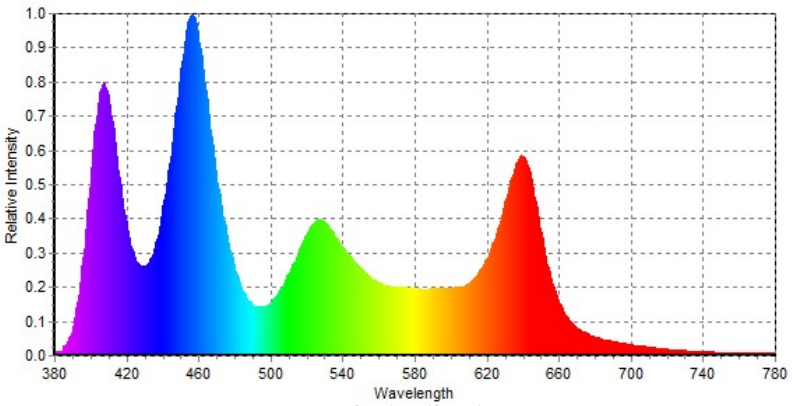


Radar Diagram of CRI

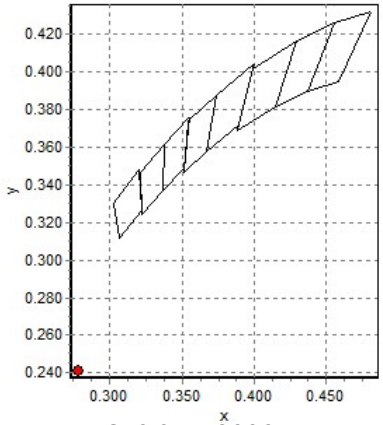
CQS-Qa	85	Re(thru R1~R15)	51		
R1	53.3	R6	82.5	R11	51.2
R2	81.5	R7	77.3	R12	72.7
R3	65.0	R8	29.7	R13	59.4
R4	56.6	R9	-115.5	R14	76.0
R5	65.3	R10	74.8	R15	32.8

Flicker Frequency(Hz) Flicker %

Flicker Index



Spectral Distribution



C78.377-2008

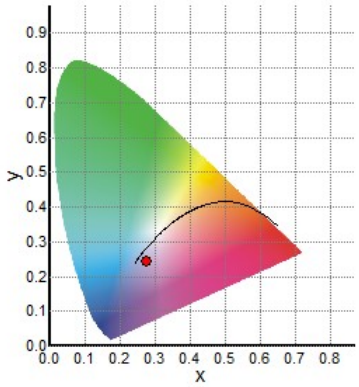
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Report of Photometry & Chromaticity for Light Source



Product Description

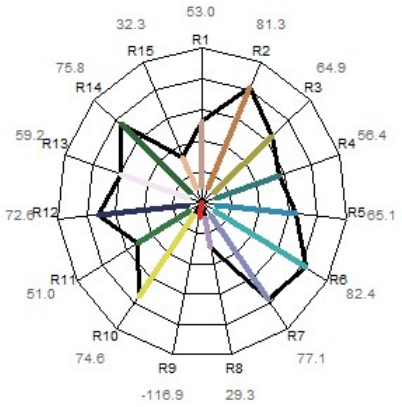
Product Name	HotBox™ G2 EXA - 5M
Sample Number	1
Date(YYYY/MM/DD)	2025/3/18 13:42:50
Manufacturer	Blizzard Lighting
Tester	Joe Thomas
Temperature(°C)	Re. Humidity(%)
Reviewer	



CIE1931 Chromaticity Diagram

Photometry and Chromaticity

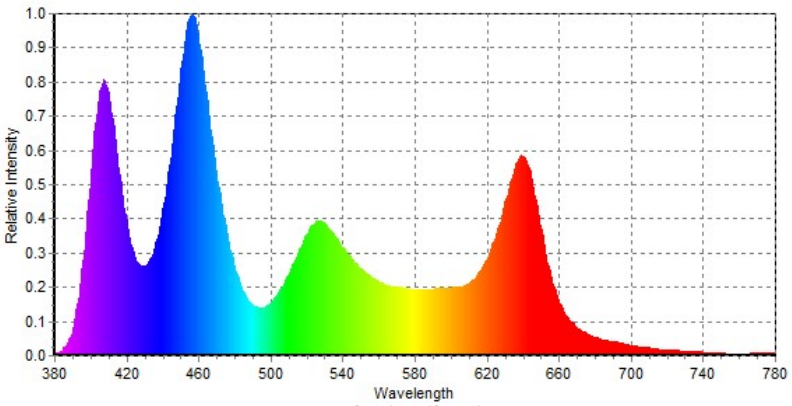
CIE_x	0.2782	Duv	-0.0256
CIE_y	0.2406	λd(nm)	456.2
CIE_u'	0.2087	Purity(%)	30
CIE_v'	0.4062	FWHM(nm)	29
CCT(K)	17744	SP ratio	2.97
Illuminance(lx)	537	PPFD 400-700nm(μmol/m² s)	11.70
λp(nm)	457	CRI(Ra)	64
TLCI(Qa)	60.6	GAI	145.2
GAI BB8	134	GAI BB15	130
TM-30 Rf	72	TM-30 Rg	116



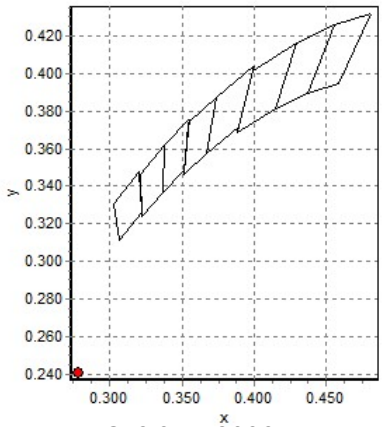
Radar Diagram of CRI

CQS-Qa	85	Re(thru R1~R15)	51		
R1	53.0	R6	82.4	R11	51.0
R2	81.3	R7	77.1	R12	72.6
R3	64.9	R8	29.3	R13	59.2
R4	56.4	R9	-116.9	R14	75.8
R5	65.1	R10	74.6	R15	32.3

Flicker Frequency(Hz)	Flicker %
Flicker Index	



Spectral Distribution



C78.377-2008

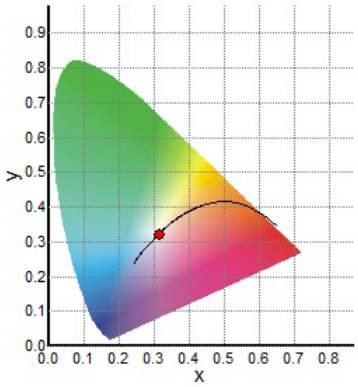
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Report of Photometry & Chromaticity for Light Source



Product Description

Product Name	HotBox™ G2 EXA (White Only) - 2M
Sample Number	1
Date(YYYY/MM/DD)	2025/3/18 13:47:28
Manufacturer	Blizzard Lighting
Tester	Joe Thomas
Temperature(°C)	Re. Humidity(%)
Reviewer	



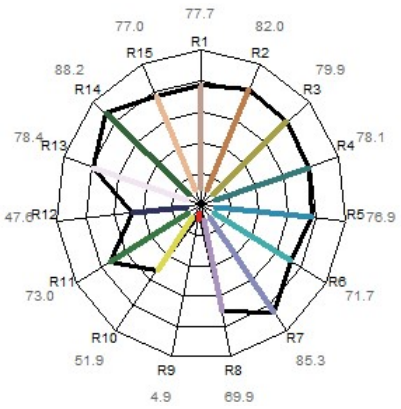
CIE1931 Chromaticity Diagram

Photometry and Chromaticity

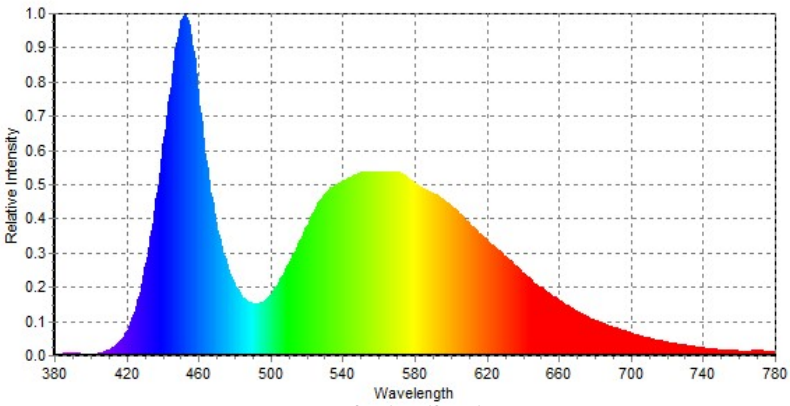
CIE_x	0.3159	Duv	-0.0046
CIE_y	0.3174	λd(nm)	478.5
CIE_u'	0.2046	Purity(%)	7
CIE_v'	0.4624	FWHM(nm)	29
CCT(K)	6410	SP ratio	2.07
Illuminance(lx)	818	PPFD 400-700nm(μmol/m² s)	11.84
λp(nm)	452	CRI(Ra)	78
TLCI(Qa)	51.4	GAI	91.0
GAI BB8	94	GAI BB15	98
TM-30 Rf	72	TM-30 Rg	95

CQS-Qa	72			Re(thru R1~R15)	70
R1	77.7	R6	71.7	R11	73.0
R2	82.0	R7	85.3	R12	47.6
R3	79.9	R8	69.9	R13	78.4
R4	78.1	R9	4.9	R14	88.2
R5	76.9	R10	51.9	R15	77.0

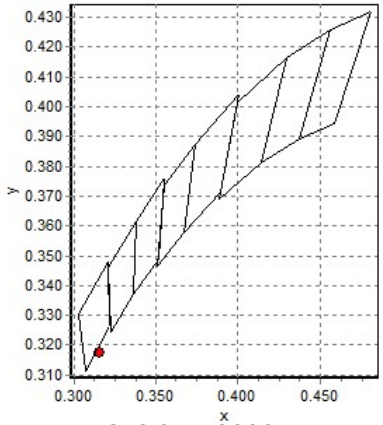
Flicker Frequency(Hz)	Flicker %
Flicker Index	



Radar Diagram of CRI



Spectral Distribution



C78.377-2008

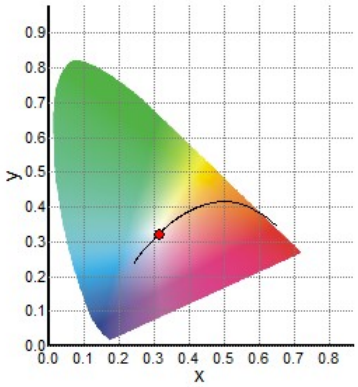
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Report of Photometry & Chromaticity for Light Source



Product Description

Product Name	HotBox™ G2 (White Only) EXA - 5M
Sample Number	1
Date(YYYY/MM/DD)	2025/3/18 13:54:13
Manufacturer	Blizzard Lighting
Tester	Joe Thomas
Temperature(°C)	Re. Humidity(%)
Reviewer	



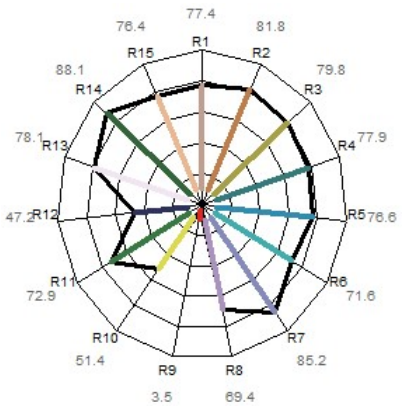
CIE1931 Chromaticity Diagram

Photometry and Chromaticity

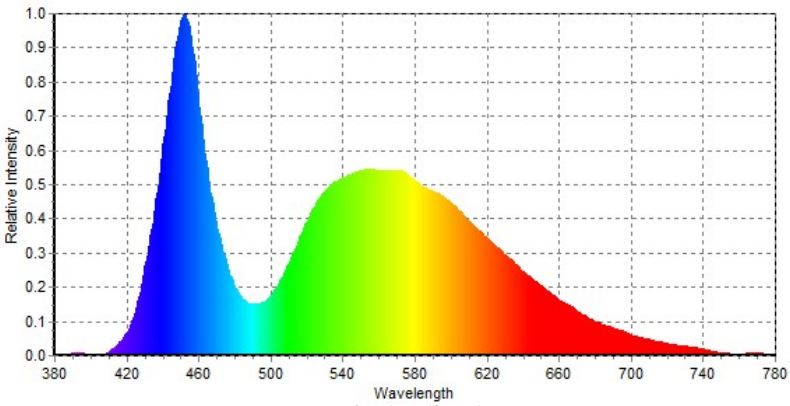
CIE_x	0.3172	Duv	-0.0042
CIE_y	0.3192	λd(nm)	479.2
CIE_u'	0.2048	Purity(%)	7
CIE_v'	0.4637	FWHM(nm)	29
CCT(K)	6324	SP ratio	2.05
Illuminance(lx)	191	PPFD 400-700nm(μmol/m² s)	2.75
λp(nm)	452	CRI(Ra)	77
TLCI(Qa)	51.5	GAI	90.6
GAI BB8	93	GAI BB15	98
TM-30 Rf	72	TM-30 Rg	95

CQS-Qa	71			Re(thru R1~R15)	69
R1	77.4	R6	71.6	R11	72.9
R2	81.8	R7	85.2	R12	47.2
R3	79.8	R8	69.4	R13	78.1
R4	77.9	R9	3.5	R14	88.1
R5	76.6	R10	51.4	R15	76.4

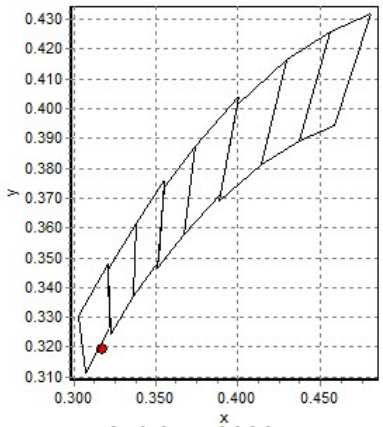
Flicker Frequency(Hz)	Flicker %
Flicker Index	



Radar Diagram of CRI



Spectral Distribution



C78.377-2008

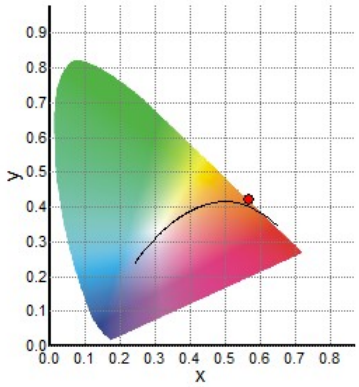
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Report of Photometry & Chromaticity for Light Source



Product Description

Product Name	HotBox™ G2 EXA (Amber Only) - 2.5M
Sample Number	1
Date(YYYY/MM/DD)	2025/3/18 13:48:00
Manufacturer	Blizzard Lighting
Tester	Joe Thomas
Temperature(°C)	Re. Humidity(%)
Reviewer	

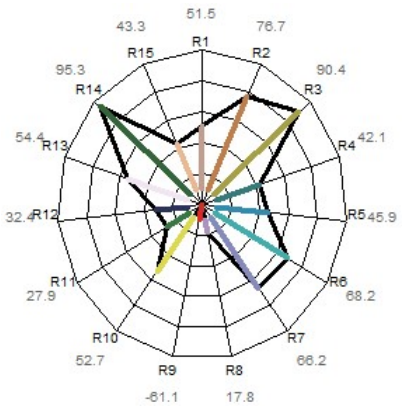


CIE1931 Chromaticity Diagram

Photometry and Chromaticity

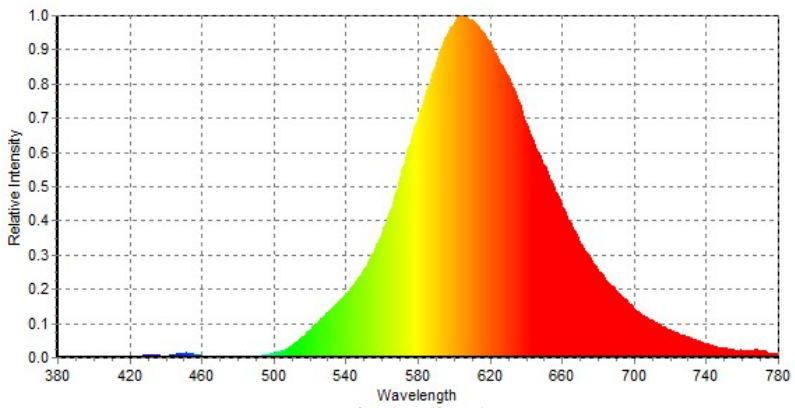
CIE_x	0.5685	Duv	0.0051
CIE_y	0.4219	λd(nm)	590.0
CIE_u'	0.3283	Purity(%)	97
CIE_v'	0.5483	FWHM(nm)	88
CCT(K)	1747	SP ratio	0.50
Illuminance(lx)	432	PPFD 400-700nm(μmol/m² s)	6.58
λp(nm)	605	CRI(Ra)	57
TLCI(Qa)	29.7	GAI	2.9
GAI BB8	18	GAI BB15	20
TM-30 Rf	57	TM-30 Rg	57

CQS-Qa	24	Re(thru R1~R15)	47		
R1	51.5	R6	68.2	R11	27.9
R2	76.7	R7	66.2	R12	32.4
R3	90.4	R8	17.8	R13	54.4
R4	42.1	R9	-61.1	R14	95.3
R5	45.9	R10	52.7	R15	43.3

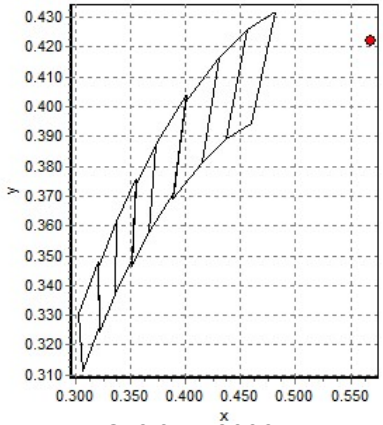


Radar Diagram of CRI

Flicker Frequency(Hz)	Flicker %
Flicker Index	



Spectral Distribution



C78.377-2008

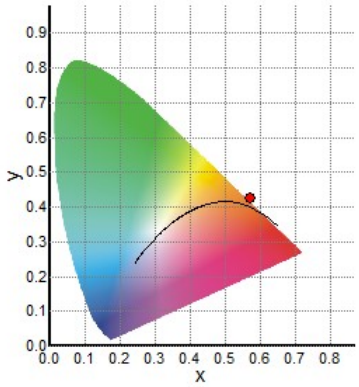
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Report of Photometry & Chromaticity for Light Source



Product Description

Product Name	HotBox™ G2 EXA (Amber Only) - 5M
Sample Number	1
Date(YYYY/MM/DD)	2025/3/18 13:54:51
Manufacturer	Blizzard Lighting
Tester	Joe Thomas
Temperature(°C)	Re. Humidity(%)
Reviewer	



CIE1931 Chromaticity Diagram

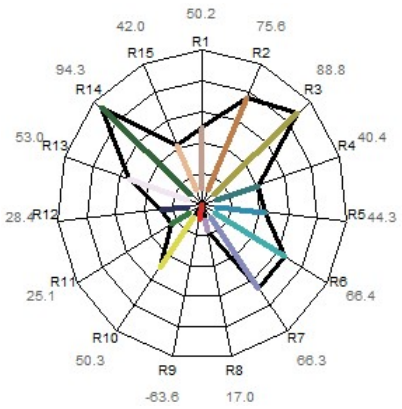
Photometry and Chromaticity

CIE_x	0.5722	Duv	0.0057
CIE_y	0.4227	λd(nm)	590.1
CIE_u'	0.3304	Purity(%)	99
CIE_v'	0.5491	FWHM(nm)	87
CCT(K)	1728	SP ratio	0.48
Illuminance(lx)	101	PPFD 400-700nm(μmol/m² s)	1.54
λp(nm)	605	CRI(Ra)	56
TLCI(Qa)	10.0	GAI	1.1
GAI BB8	7	GAI BB15	7
TM-30 Rf	38	TM-30 Rg	35

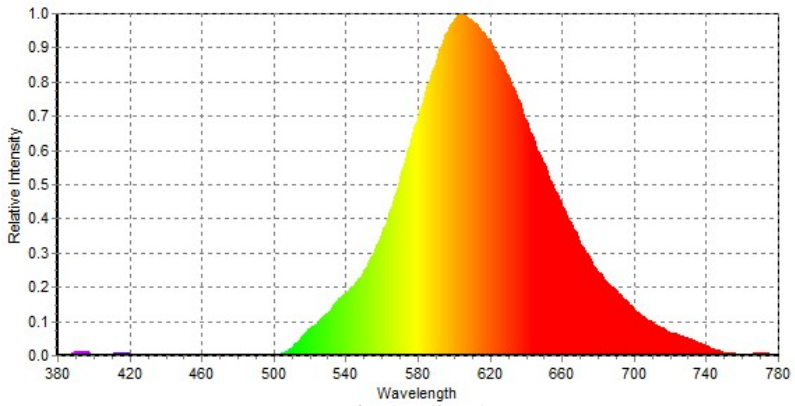
CQS-Qa	5	Re(thru R1~R15)	45

R1	50.2	R6	66.4	R11	25.1
R2	75.6	R7	66.3	R12	28.4
R3	88.8	R8	17.0	R13	53.0
R4	40.4	R9	-63.6	R14	94.3
R5	44.3	R10	50.3	R15	42.0

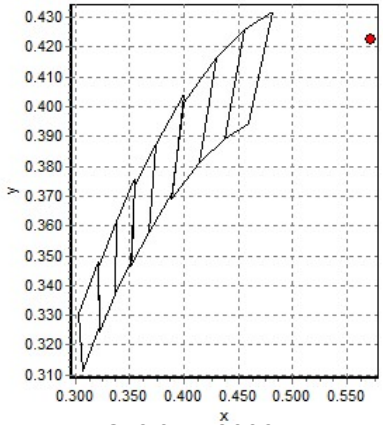
Flicker Frequency(Hz)	Flicker %
Flicker Index	



Radar Diagram of CRI



Spectral Distribution



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