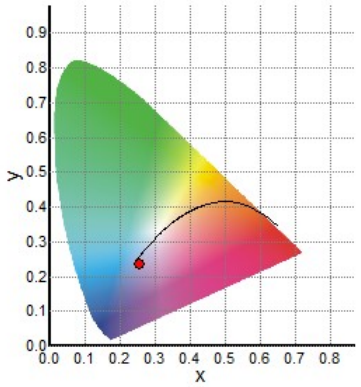
Report of Photometry & Chromaticity for Light Source



Product Description

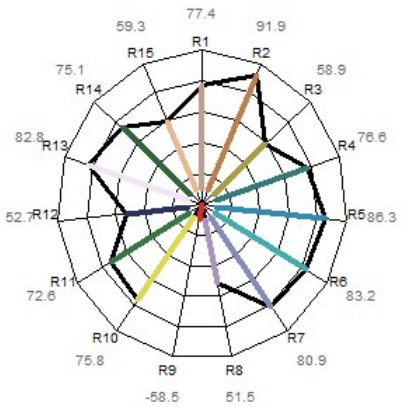
Product Name	SwitchBlade™ Flip - 4x 60W RGBW LEDs, 10M
Sample Number	1
Date(YYYY/MM/DD)	2025/2/27 16:31:42
Manufacturer	Blizzard Lighting
Tester	Joe Thomas
Temperature(°C)	Re. Humidity(%)
Reviewer	



CIE1931 Chromaticity Diagram

Photometry and Chromaticity

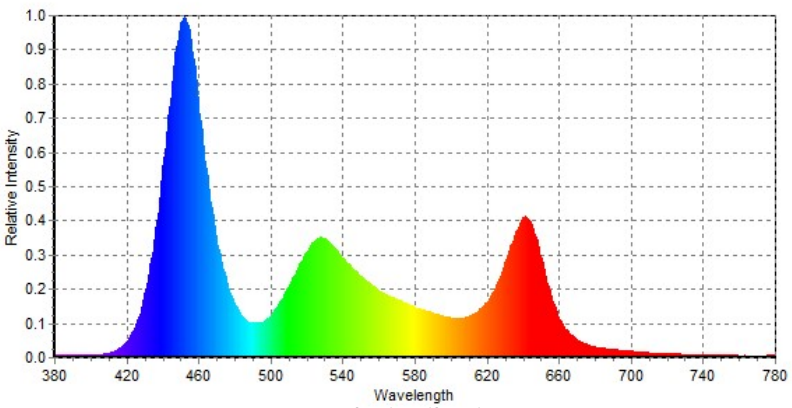
CIE_x	0.2565	Duv	-0.0121
CIE_y	0.2355	λd(nm)	471.1
CIE_u'	0.1931	Purity(%)	36
CIE_v'	0.3990	FWHM(nm)	27
CCT(K)	44703	SP ratio	3.11
Illuminance(lx)	4064	PPFD 400-700nm(μmol/m² s)	78.08
λp(nm)	452	CRI(Ra)	76
TLCI(Qa)	59.9	GAI	131.9
GAI BB8	121	GAI BB15	123
TM-30 Rf	72	TM-30 Rg	111



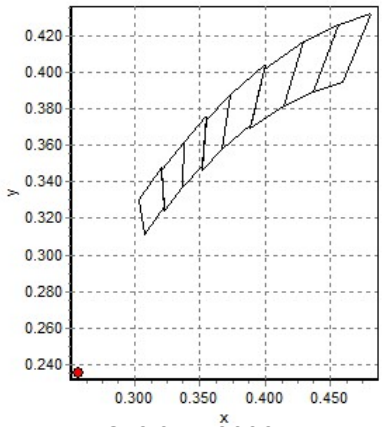
Radar Diagram of CRI

CQS-Qa	84	Re(thru R1~R15)	64		
R1	77.4	R6	83.2	R11	72.6
R2	91.9	R7	80.9	R12	52.7
R3	58.9	R8	51.5	R13	82.8
R4	76.6	R9	-58.5	R14	75.1
R5	86.3	R10	75.8	R15	59.3

Flicker Frequency(Hz)	Flicker %
Flicker Index	



Spectral Distribution



C78.377-2008

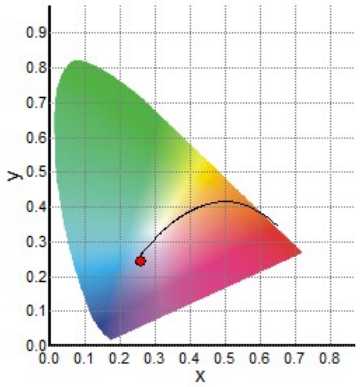
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Report of Photometry & Chromaticity for Light Source



Product Description

Product Name	SwitchBlade™ Flip - 4x 60W RGBW LEDs, 15M
Sample Number	1
Date(YYYY/MM/DD)	2025/2/27 16:33:46
Manufacturer	Blizzard Lighting
Tester	Joe Thomas
Temperature(°C)	Re. Humidity(%)
Reviewer	



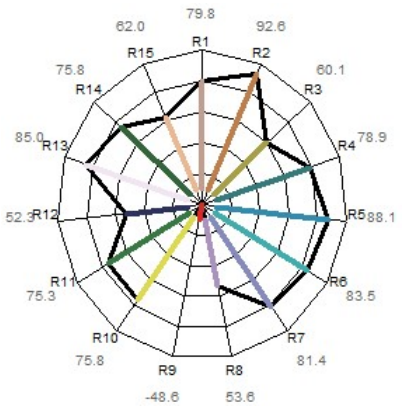
CIE1931 Chromaticity Diagram

Photometry and Chromaticity

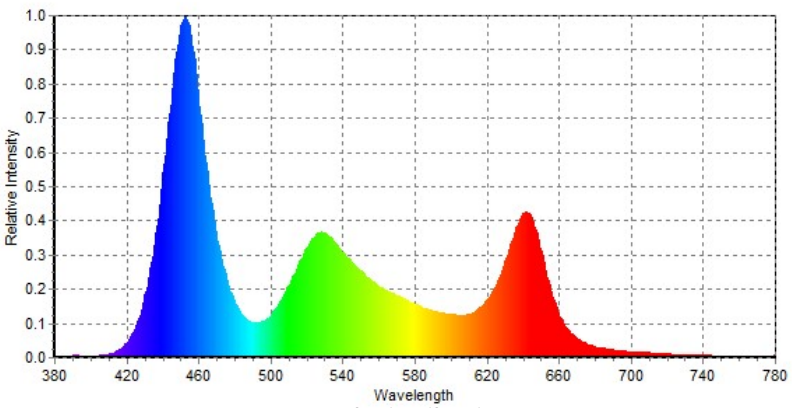
CIE_x	0.2599	Duv	-0.0107
CIE_y	0.2425	λd(nm)	472.0
CIE_u'	0.1928	Purity(%)	34
CIE_v'	0.4049	FWHM(nm)	27
CCT(K)	27672	SP ratio	3.03
Illuminance(lx)	2282	PPFD 400-700nm(μmol/m² s)	42.97
λp(nm)	453	CRI(Ra)	77
TLCI(Qa)	61.4	GAI	129.9
GAI BB8	119	GAI BB15	122
TM-30 Rf	73	TM-30 Rg	110

CQS-Qa	85			Re(thru R1~R15)	66
R1	79.8	R6	83.5	R11	75.3
R2	92.6	R7	81.4	R12	52.3
R3	60.1	R8	53.6	R13	85.0
R4	78.9	R9	-48.6	R14	75.8
R5	88.1	R10	75.8	R15	62.0

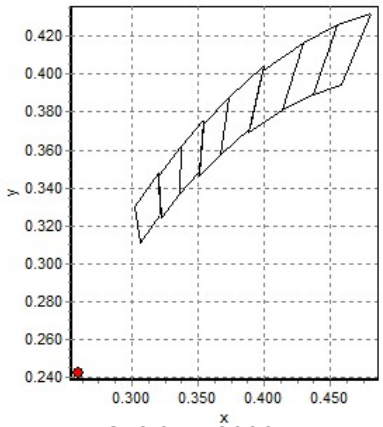
Flicker Frequency(Hz)	Flicker %
Flicker Index	



Radar Diagram of CRI



Spectral Distribution



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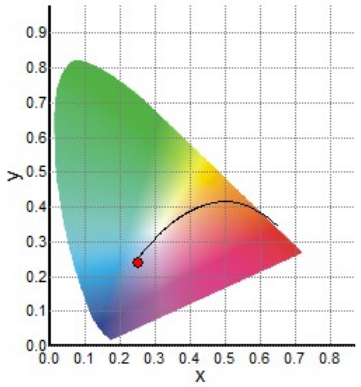
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Report of Photometry & Chromaticity for Light Source



Product Description

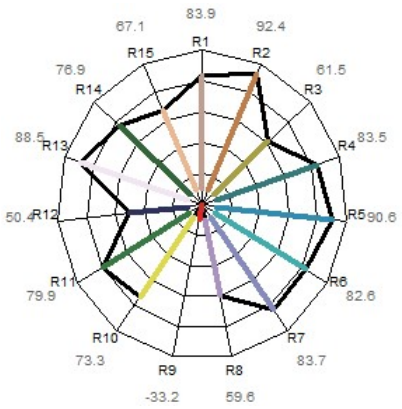
Product Name	SwitchBlade™ Flip - 4x 60W LEDs, 20M
Sample Number	1
Date(YYYY/MM/DD)	2025/2/27 16:42:13
Manufacturer	Blizzard Lighting
Tester	Joe Thomas
Temperature(°C)	Re. Humidity(%)
Reviewer	



CIE1931 Chromaticity Diagram

Photometry and Chromaticity

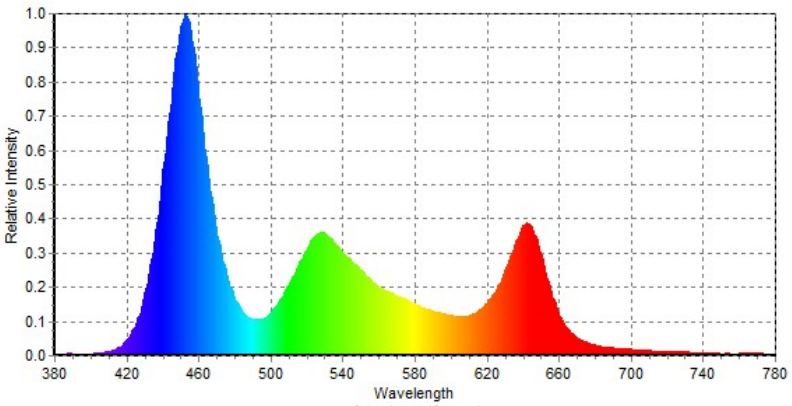
CIE_x	0.2537	Duv	-0.0084
CIE_y	0.2382	λd(nm)	473.0
CIE_u'	0.1897	Purity(%)	37
CIE_v'	0.4007	FWHM(nm)	28
CCT(K)	43374	SP ratio	3.12
Illuminance(lx)	1433	PPFD 400-700nm(μmol/m² s)	27.12
λp(nm)	453	CRI(Ra)	80
TLCI(Qa)	63.2	GAI	126.5
GAI BB8	116	GAI BB15	120
TM-30 Rf	74	TM-30 Rg	108



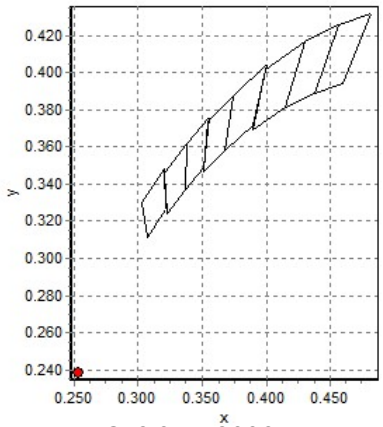
Radar Diagram of CRI

CQS-Qa	85	Re(thru R1~R15)	69		
R1	83.9	R6	82.6	R11	79.9
R2	92.4	R7	83.7	R12	50.4
R3	61.5	R8	59.6	R13	88.5
R4	83.5	R9	-33.2	R14	76.9
R5	90.6	R10	73.3	R15	67.1

Flicker Frequency(Hz)	Flicker %
Flicker Index	



Spectral Distribution



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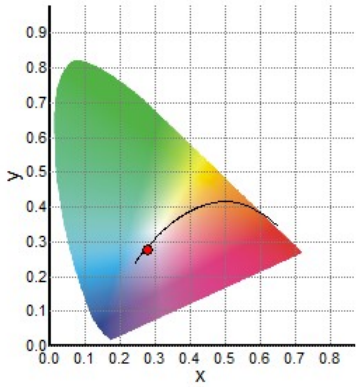
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Report of Photometry & Chromaticity for Light Source



Product Description

Product Name	SwitchBlade™ Flip - 9x 10W CW LEDs, 5M
Sample Number	1
Date(YYYY/MM/DD)	2025/2/27 16:59:47
Manufacturer	Blizzard Lighting
Tester	Joe Thomas
Temperature(°C)	Re. Humidity(%)
Reviewer	



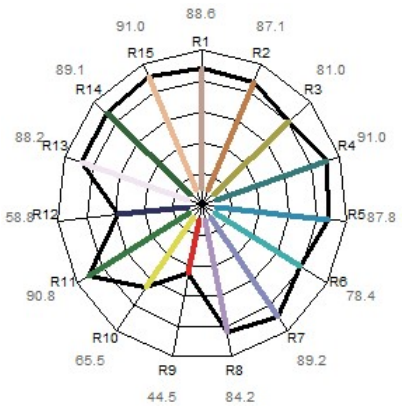
CIE1931 Chromaticity Diagram

Photometry and Chromaticity

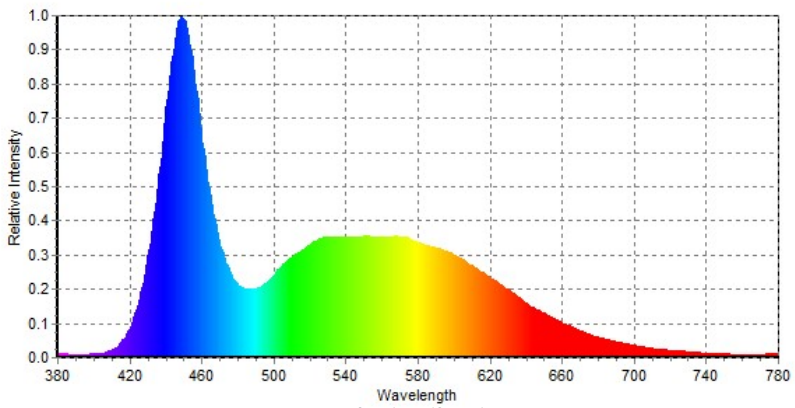
CIE_x	0.2816	Duv	-0.0086
CIE_y	0.2737	λd(nm)	473.9
CIE_u'	0.1969	Purity(%)	23
CIE_v'	0.4306	FWHM(nm)	30
CCT(K)	10900	SP ratio	2.58
Illuminance(lx)	7685	PPFD 400-700nm(μmol/m² s)	122.89
λp(nm)	449	CRI(Ra)	86
TLCI(Qa)	69.2	GAI	103.6
GAI BB8	98	GAI BB15	100
TM-30 Rf	79	TM-30 Rg	98

CQS-Qa	79			Re(thru R1~R15)	81
R1	88.6	R6	78.4	R11	90.8
R2	87.1	R7	89.2	R12	58.8
R3	81.0	R8	84.2	R13	88.2
R4	91.0	R9	44.5	R14	89.1
R5	87.8	R10	65.5	R15	91.0

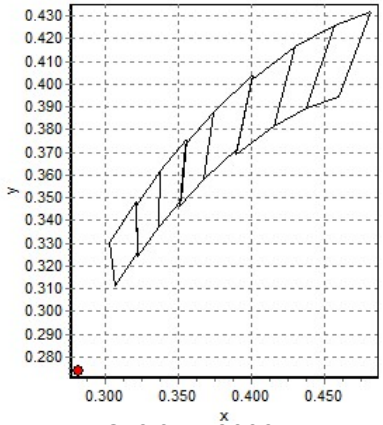
Flicker Frequency(Hz)	Flicker %
Flicker Index	



Radar Diagram of CRI



Spectral Distribution



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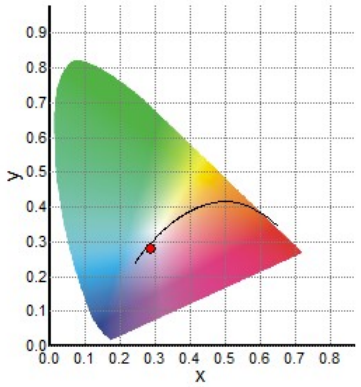
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Report of Photometry & Chromaticity for Light Source



Product Description

Product Name	SwitchBlade™ Flip - 9x 10W CW LEDs, 10M
Sample Number	1
Date(YYYY/MM/DD)	2025/2/27 16:56:52
Manufacturer	Blizzard Lighting
Tester	Joe Thomas
Temperature(°C)	Re. Humidity(%)
Reviewer	

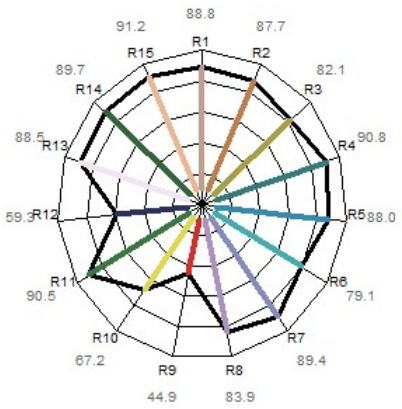


CIE1931 Chromaticity Diagram

Photometry and Chromaticity

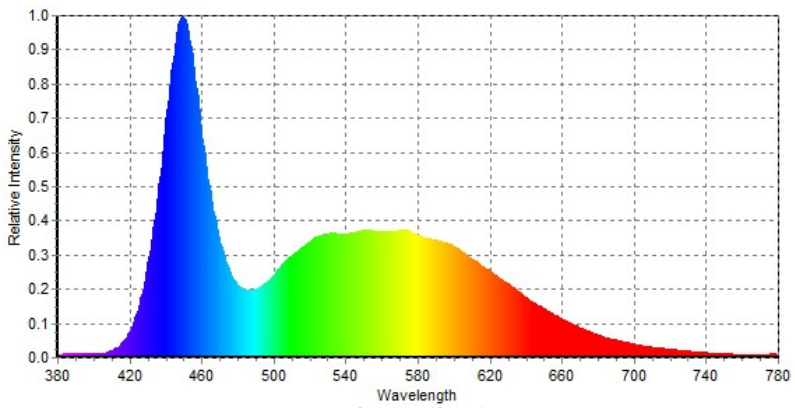
CIE_x	0.2881	Duv	-0.0090
CIE_y	0.2805	λd(nm)	473.6
CIE_u'	0.1990	Purity(%)	21
CIE_v'	0.4360	FWHM(nm)	29
CCT(K)	9595	SP ratio	2.50
Illuminance(lx)	2366	PPFD 400-700nm(μmol/m² s)	37.36
λp(nm)	450	CRI(Ra)	86
TLCI(Qa)	69.7	GAI	103.2
GAI BB8	98	GAI BB15	100
TM-30 Rf	79	TM-30 Rg	98

CQS-Qa	79			Re(thru R1~R15)	81
R1	88.8	R6	79.1	R11	90.5
R2	87.7	R7	89.4	R12	59.3
R3	82.1	R8	83.9	R13	88.5
R4	90.8	R9	44.9	R14	89.7
R5	88.0	R10	67.2	R15	91.2

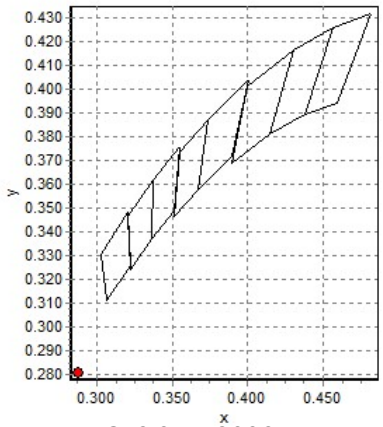


Radar Diagram of CRI

Flicker Frequency(Hz)	Flicker %
Flicker Index	



Spectral Distribution



C78.377-2008

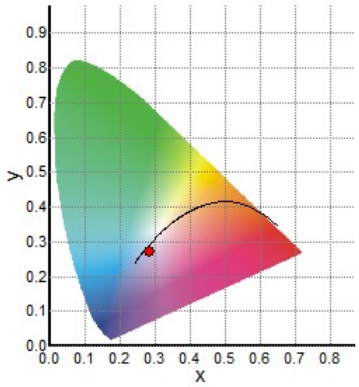
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Report of Photometry & Chromaticity for Light Source



Product Description

Product Name	SwitchBlade™ Flip - 9x 10W CW LEDs, 15M
Sample Number	1
Date(YYYY/MM/DD)	2025/2/27 16:55:58
Manufacturer	Blizzard Lighting
Tester	Joe Thomas
Temperature(°C)	Re. Humidity(%)
Reviewer	

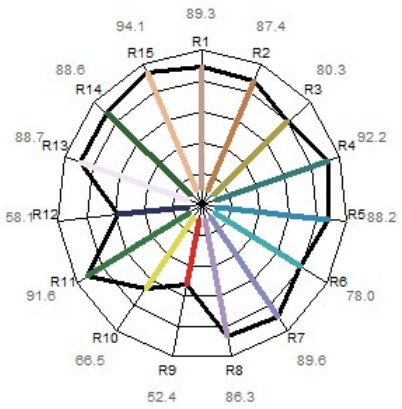


CIE1931 Chromaticity Diagram

Photometry and Chromaticity

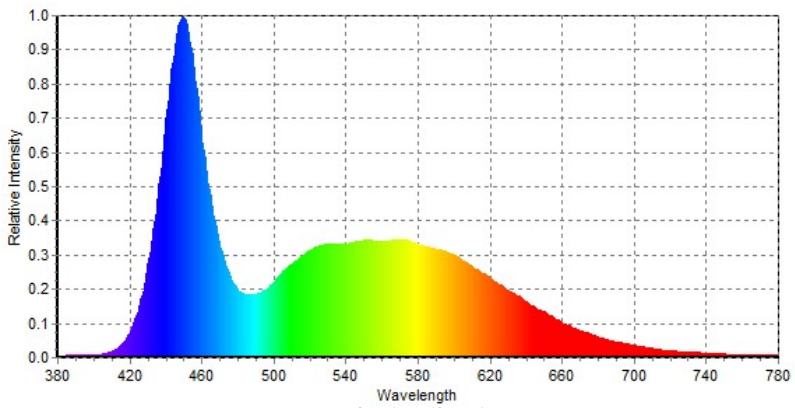
CIE_x	0.2835	Duv	-0.0113
CIE_y	0.2712	λd(nm)	471.7
CIE_u'	0.1994	Purity(%)	23
CIE_v'	0.4291	FWHM(nm)	29
CCT(K)	10842	SP ratio	2.56
Illuminance(lx)	1094	PPFD 400-700nm(μmol/m² s)	17.60
λp(nm)	450	CRI(Ra)	86
TLCI(Qa)	67.6	GAI	105.2
GAI BB8	99	GAI BB15	101
TM-30 Rf	78	TM-30 Rg	98

CQS-Qa	78			Re(thru R1~R15)	82
R1	89.3	R6	78.0	R11	91.6
R2	87.4	R7	89.6	R12	58.1
R3	80.3	R8	86.3	R13	88.7
R4	92.2	R9	52.4	R14	88.6
R5	88.2	R10	66.5	R15	94.1

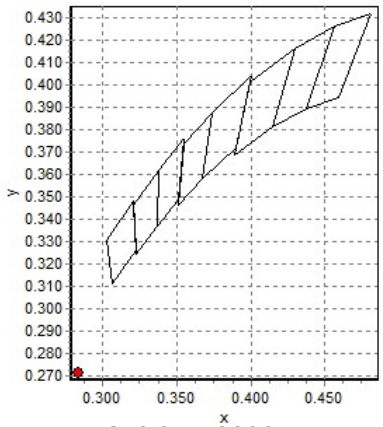


Radar Diagram of CRI

Flicker Frequency(Hz)	Flicker %
Flicker Index	



Spectral Distribution



C78.377-2008

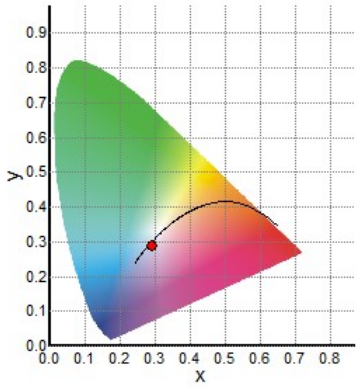
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Report of Photometry & Chromaticity for Light Source



Product Description

Product Name	SwitchBlade™ Flip - 9x 10W CW LEDs, 20M
Sample Number	1
Date(YYYY/MM/DD)	2025/2/27 16:46:53
Manufacturer	Blizzard Lighting
Tester	Joe Thomas
Temperature(°C)	Re. Humidity(%)
Reviewer	



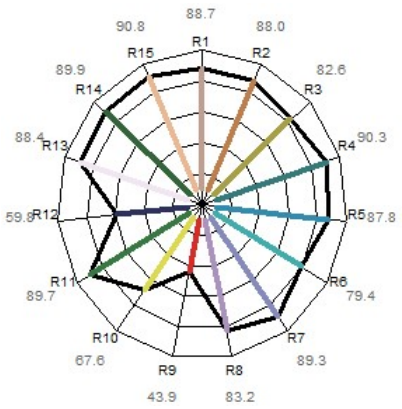
CIE1931 Chromaticity Diagram

Photometry and Chromaticity

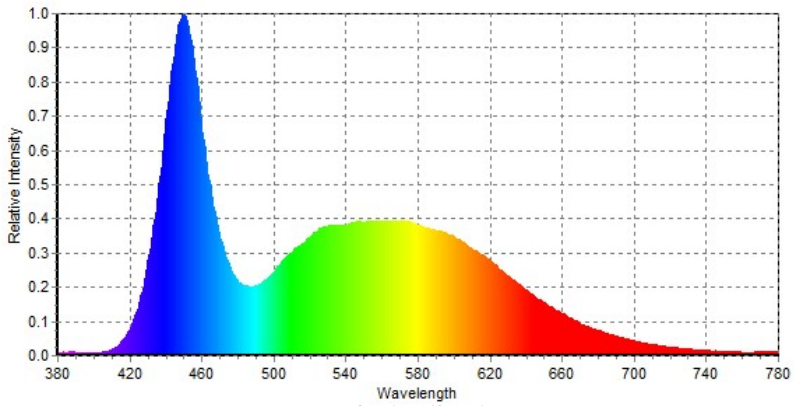
CIE_x	0.2935	Duv	-0.0090
CIE_y	0.2865	λd(nm)	473.4
CIE_u'	0.2007	Purity(%)	18
CIE_v'	0.4407	FWHM(nm)	29
CCT(K)	8731	SP ratio	2.43
Illuminance(lx)	626	PPFD 400-700nm(μmol/m² s)	9.77
λp(nm)	450	CRI(Ra)	86
TLCI(Qa)	69.1	GAI	102.4
GAI BB8	99	GAI BB15	101
TM-30 Rf	79	TM-30 Rg	98

CQS-Qa	79	Re(thru R1~R15)	81		
R1	88.7	R6	79.4	R11	89.7
R2	88.0	R7	89.3	R12	59.8
R3	82.6	R8	83.2	R13	88.4
R4	90.3	R9	43.9	R14	89.9
R5	87.8	R10	67.6	R15	90.8

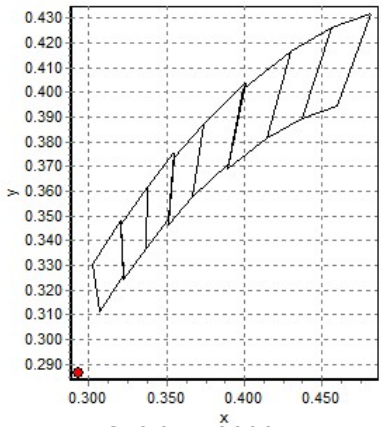
Flicker Frequency(Hz)	Flicker %
Flicker Index	



Radar Diagram of CRI



Spectral Distribution



C78.377-2008

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