

Light Measurement Report

Print date: 2026-09-30

Measurement date and time: 2026-09-30 3:04:25 PM – Measurement no. TR-0335-260930

Measurement tracking No. and Link: [n/a](#)

Operator: NC

SKU, Test Type and Log#: 24VML6RGBWCW2760-10M_ALL_391



Laboratory and Equipment

Laboratory Owner and Location

Goniospectrometer System and Type

Sensor Name, Calibr. Date and Serial No.

Spectrometer Manufacturer and Model

Moss LED Inc., Toronto, Ontario, Canada

BaseSpion – Type C, horizontal

BaseSensor – 2023-06-27 – 2807073281

Ibsen Photonics, Denmark – Freedom VIS (Custom Viso)

Measurement Conditions

Number of C-planes and Resolution

γ (gamma)-Resolution

Test Distance

Input Power per 1 meter

Input RMS Voltage and Current per 1 meter

Frequency of Input Power

12 planes – 30°

5°

2.50 m

62.7 W

24.0 V – 2.61 A

0 Hz

Tested Light Source

Product Name _ Colours Tested _ Test Log / Manufacturer
Product and Test Details

24VML6RGBWCW2760-10M_ALL_391 / MossLED Inc.
24V, RGB + 2700K + 6000K. Flex panel, ALL test

Main Light Measurement Results

Total Lumen Output per 1 meter

Efficiency

Peak Intensity and Overall Beam Angle

Correlated Color Temperature: Nominal / Average / Straight-on

Color Rendering Index

Color Rendering TM30-18

Color Shift, CIE duv and MacAdam Steps

Flicker

1st Peak / 2nd Peak Wavelength

Dominant Wavelength

3833 lm

61 lm/W

1242 cd – 119.2°

CCT = K / 7909 K / 7770K

CRI = 62.3

R_f 71.5 – R_g 106.4

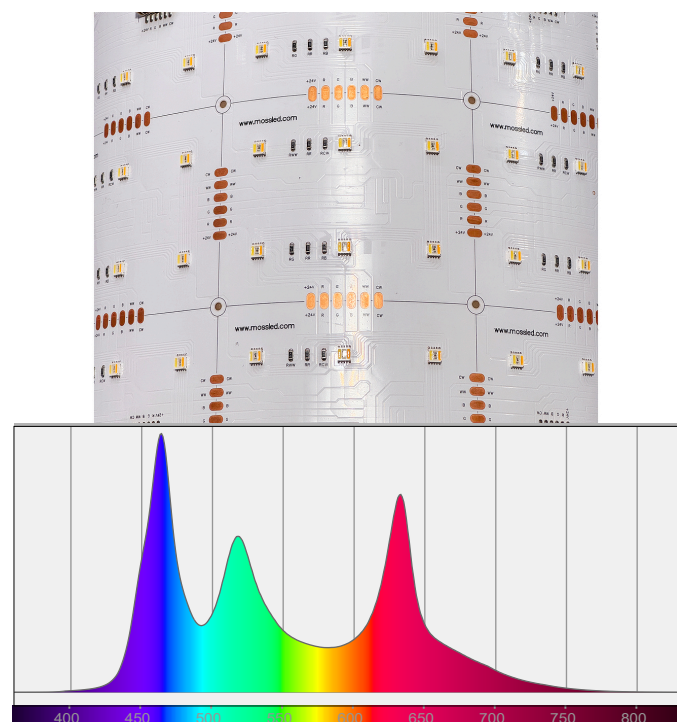
Duv -0.0037 – SDCM n/a

SVM n/a – PstLM n/a

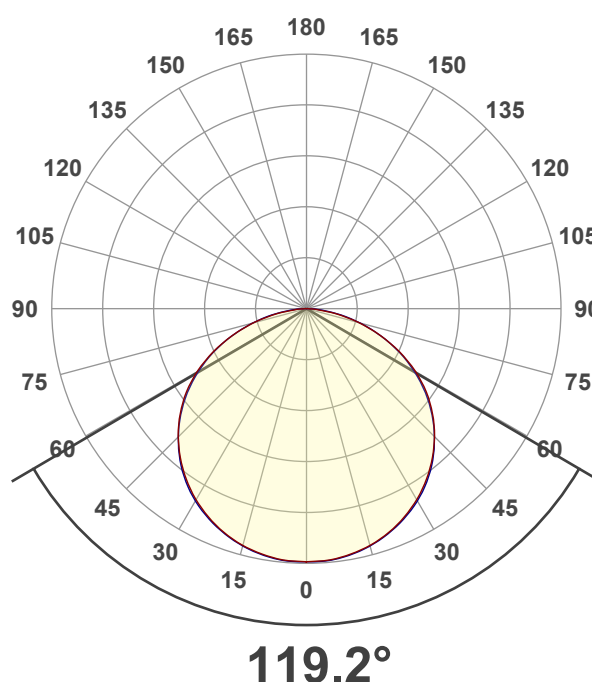
464 nm / 633 nm

455 nm

Product picture:



50% Beam Angle (overall H+V, % values)

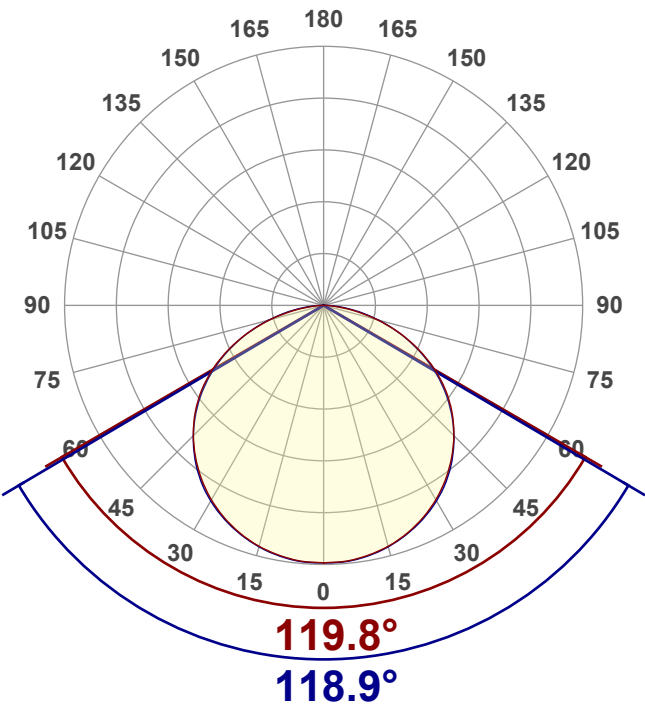


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50% Beam Angle (Horizontal and Vertical, % values)



Main Values	
Output (total Lumen)	3833 lm
Peak Intensity	1242 cd
Beam Angle (10%)	119.8°
Beam Angle (50%)	119.2°
Beam Angle (90%)	118.9°

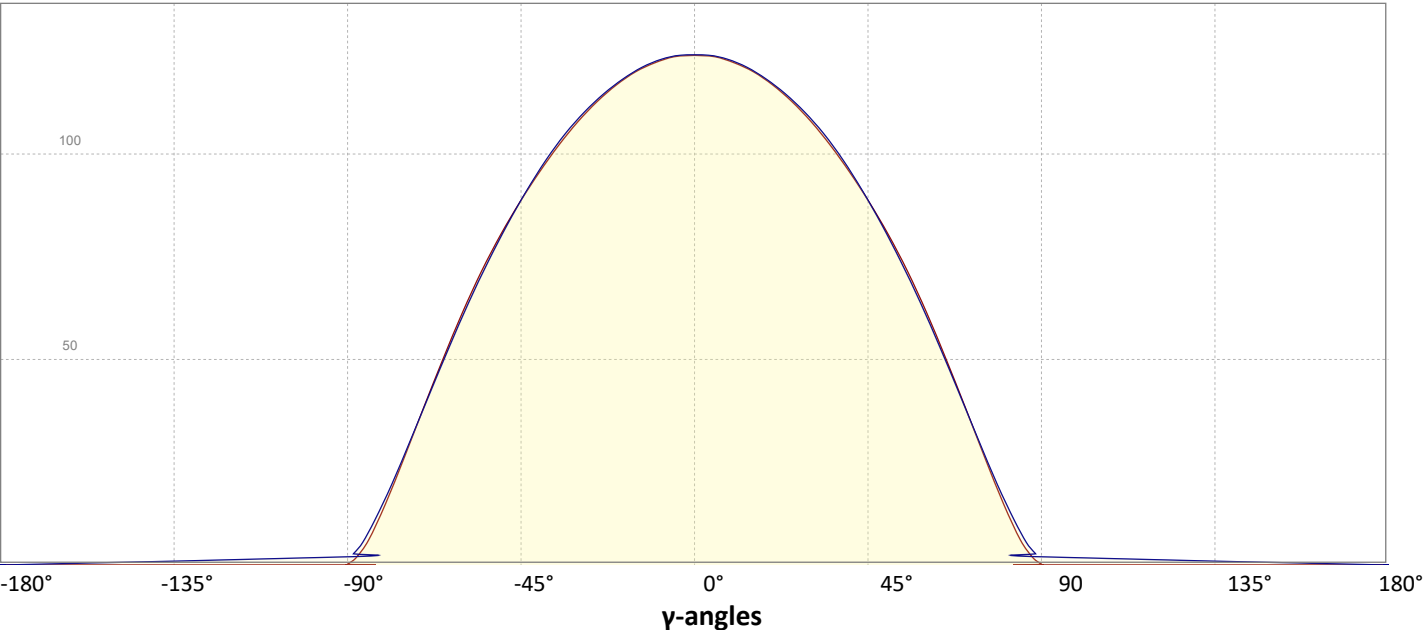
Cut-off Angle	
Average 2,5%	174.8°

Field Angle	
Average 10%	163.3°

Intensity Ratio	
In 120° cone	76.9%
In 90° cone	51.3%

C000-C180 Horiz.	119.8°
C090-C270 Vertical	118.9°

Linear distribution diagram - Intensity (candela) vs γ-angle



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Color details

Correlated Color Temperature (K): Nominal / Average / Straight on

K	7909 K	7770K
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Color Rendering Index CRI = 62.3
Color Rendering Index, R9 (red component) R9 = -98.0
Color Rendering TM30-18 R_f 71.5 – R_g 106.4
Color Quality Scale CQS = 75.0

MacAdam Steps

Color coordinates CIE 1931

Color coordinate CIEs 1960

Color deviation from BBL

Color coordinate CIEs 1976 (CIELUV)

SDCM = n/a

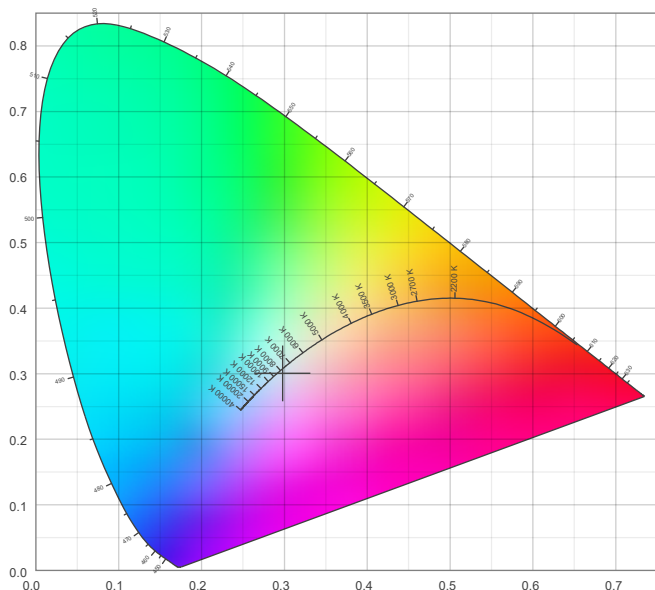
(x;y) = (0.298;0.301)

(u;v) = (0.198;0.300)

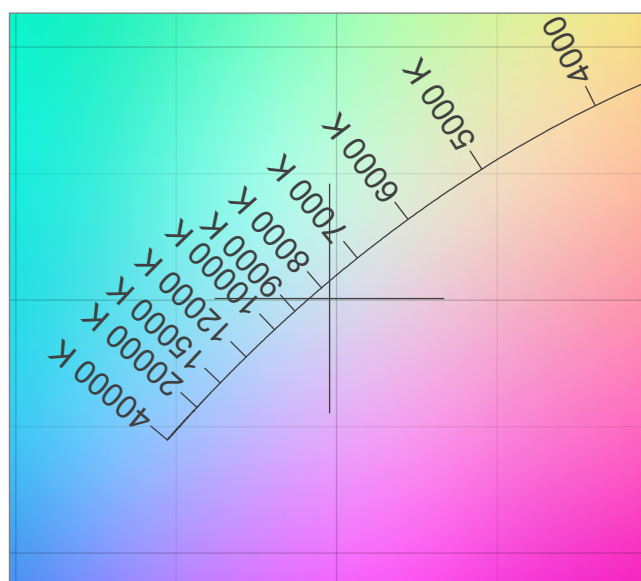
Duv = -0.0037

(u';v') = (0.198;0.450)

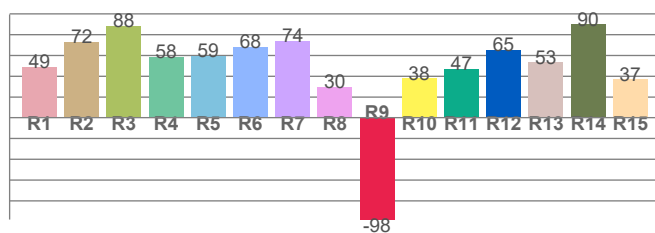
CIE 1931



CIE 1931 – zoomed on Planckian locus



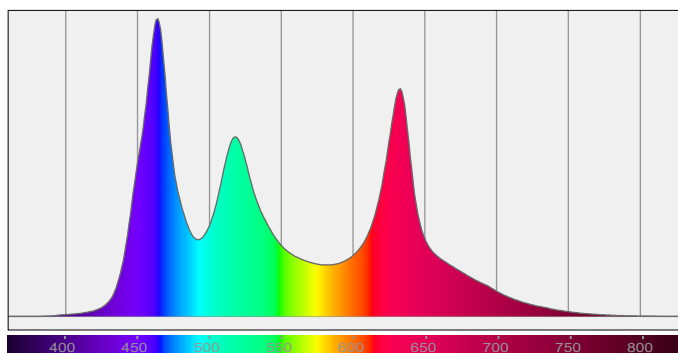
Color Rendering Index per reference color (CIE 1995)



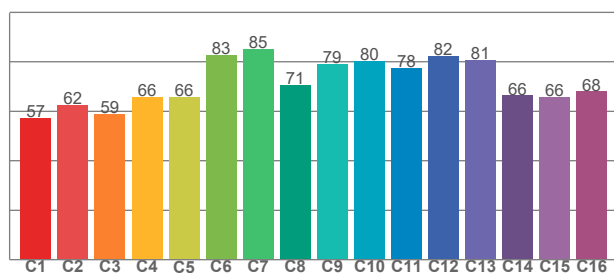
CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
48.9	72.4	87.9	58.2	59.4	68.0	73.6	29.8	-98.0	37.7	46.7	65.0	53.0	89.6	36.8

Spectral power distribution (SPD) / W/nm – 0-100%



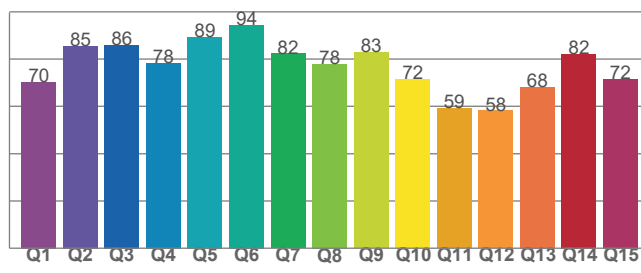
TM30-18 Rf-values per hue bin



TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
57.1	62.3	59.0	65.8	65.9	82.8	85.0	70.5	79.2	80.3	77.6	82.3	80.6	66.3	65.9	67.9

Color Quality Scale by reference color

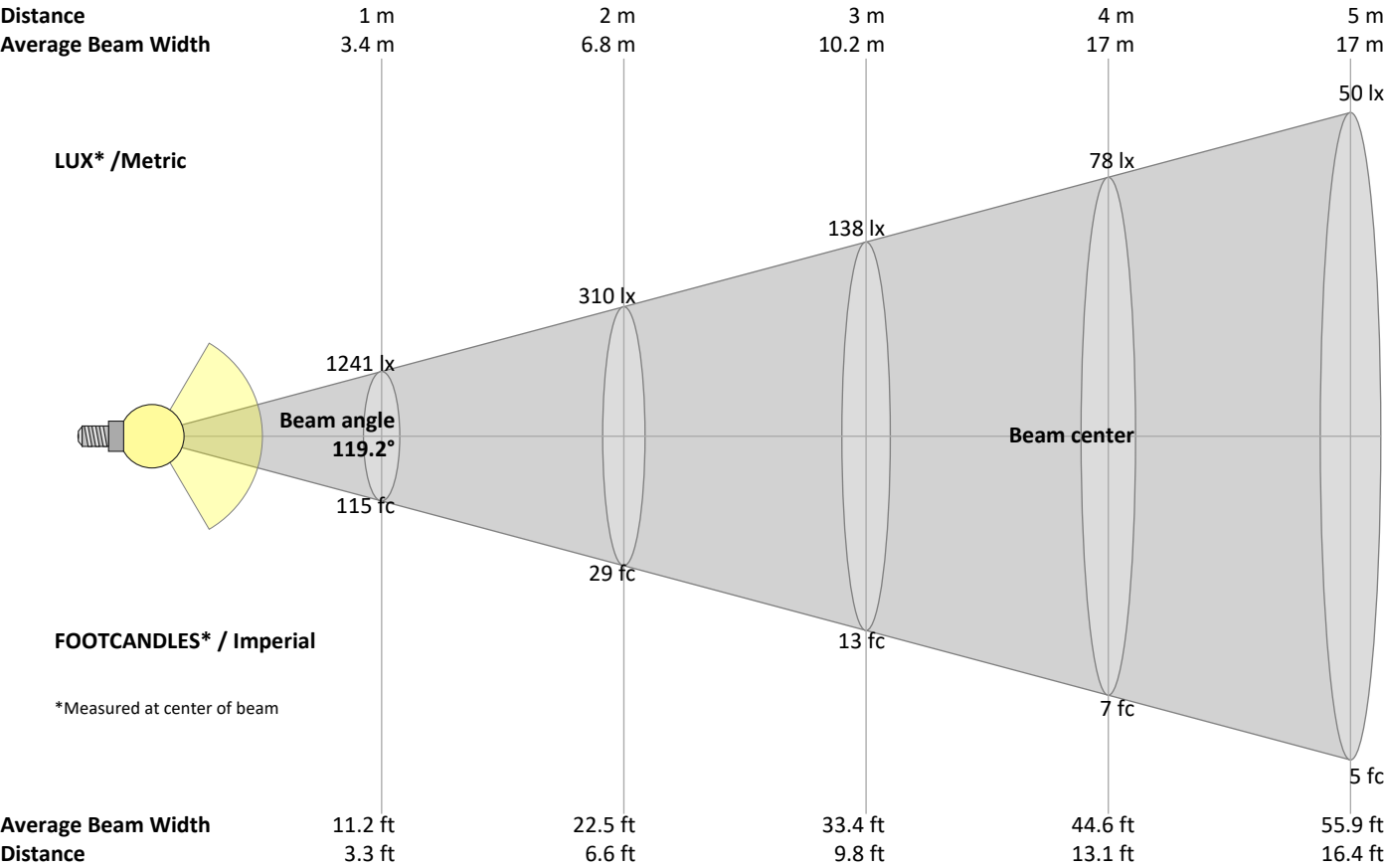


CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
70.2	85.4	85.9	78.4	89.4	94.3	82.2	77.8	82.8	71.6	59.1	58.1	68.2	82.3	71.6

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Beam intensities from 1 – 20 m

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	m
3.3	6.6	9.8	13.1	16.4	19.7	23	26.2	29.5	32.8	36.1	39.4	42.7	45.9	49.2	52.5	55.8	59.1	62.3	65.6	ft
1241	310	138	78	50	34	25	19	15	12	10	9	7	6	6	5	4	4	3	3	lux
115.3	28.8	12.8	7.2	4.6	3.2	2.4	1.8	1.4	1.2	1	0.8	0.7	0.6	0.5	0.5	0.4	0.4	0.3	0.3	fc

Power Details

Input Power

Power feed to light source	62.7 W
Frequency of input power	0 Hz
RMS Input voltage feed, VRMS	24.0 V
RMS Input current feed, IRMS	2.61 A
Volt-Ampere or apparent power = VRMS*IRMS	62.66 VA
Displacement factor of AC power feed	0.0
Power factor of AC current feed	1.0
Total harmonic distortion of the current	0%
Total harmonic distortion of the voltage	0%

Efficiency

