

Light Measurement Report

Print date: 2026-09-30

Measurement date and time: 2026-09-30 2:47:35 PM – Measurement no. TR-0329-260930

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

Operator: NC

SKU, Test Type and Log#: 24VML6RGBWCW2760-10M_Blue_388



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

12.0 W

24.0 V – 0.500 A

0 Hz

Tested Light Source

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

24VML6RGBWCW2760-10M_Blue_388 / MossLED Inc.
24V, RGB + 2700K + 6000K. Flex panel, Blue 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

244 lm

20 lm/W

74.9 cd – 125°

CCT = K / 0 K / K

CRI = 0.0

R_f 0.0 – R_g 0.0

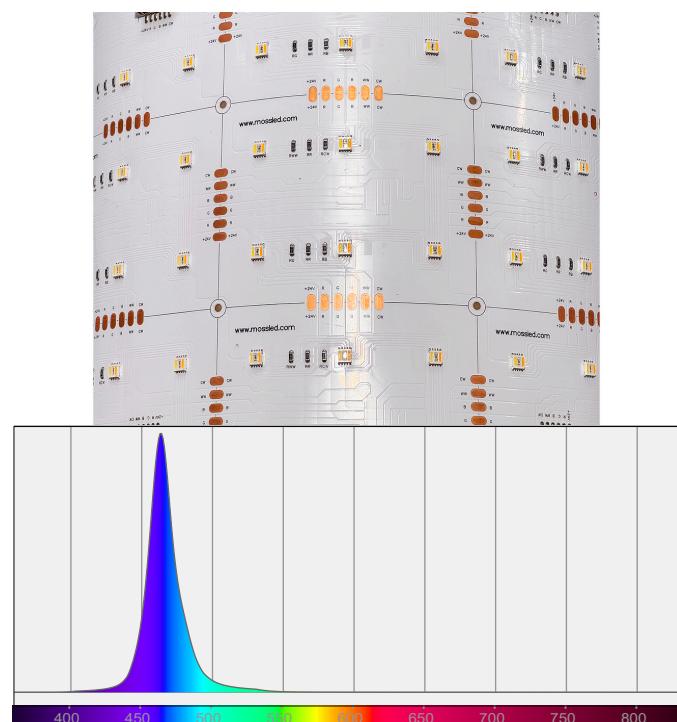
Duv n/a – SDCM n/a

SVM n/a – PstLM n/a

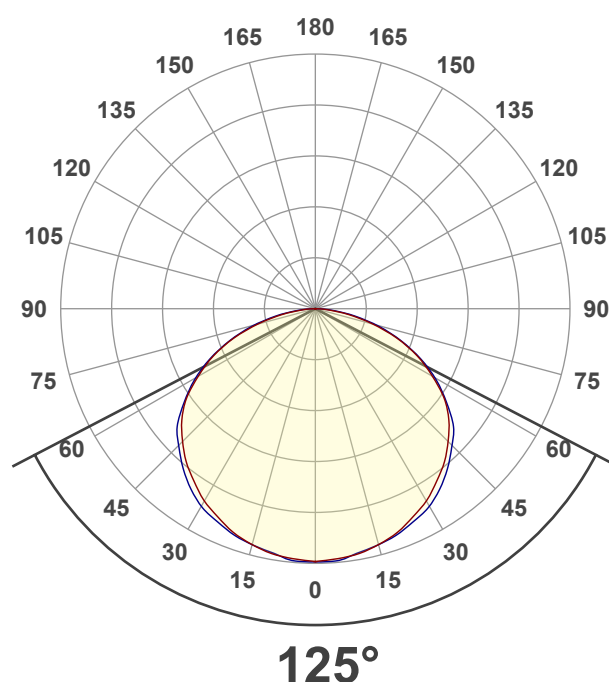
464 nm / n/a nm

468 nm

Product picture:



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

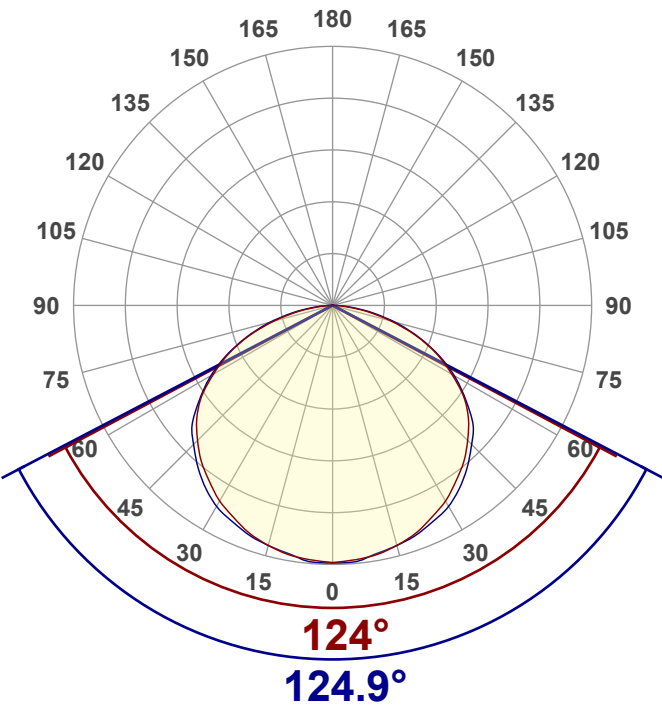


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50% Beam Angle (Horizontal and Vertical, % values)



Main Values	
Output (total Lumen)	244 lm
Peak Intensity	74.9 cd
Beam Angle (10%)	124°
Beam Angle (50%)	125°
Beam Angle (90%)	124.9°

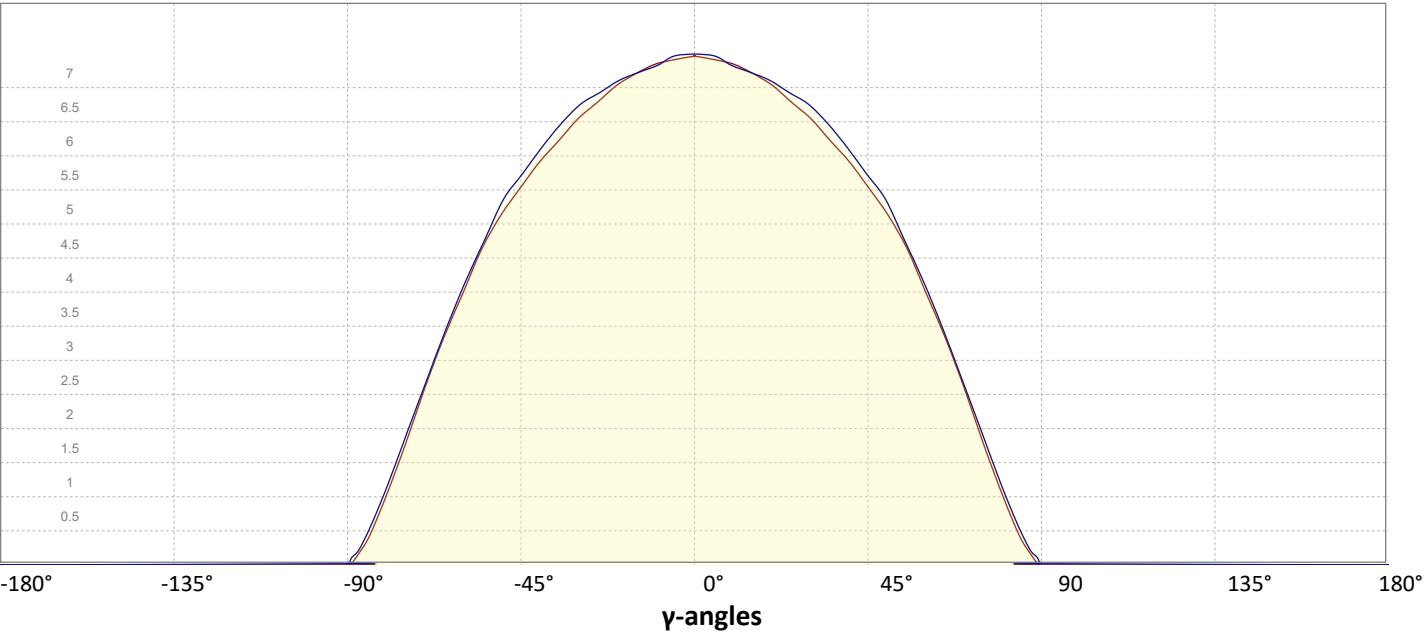
Cut-off Angle	
Average 2,5%	174.5°

Field Angle	
Average 10%	164.5°

Intensity Ratio	
In 120° cone	76.0%
In 90° cone	49.8%

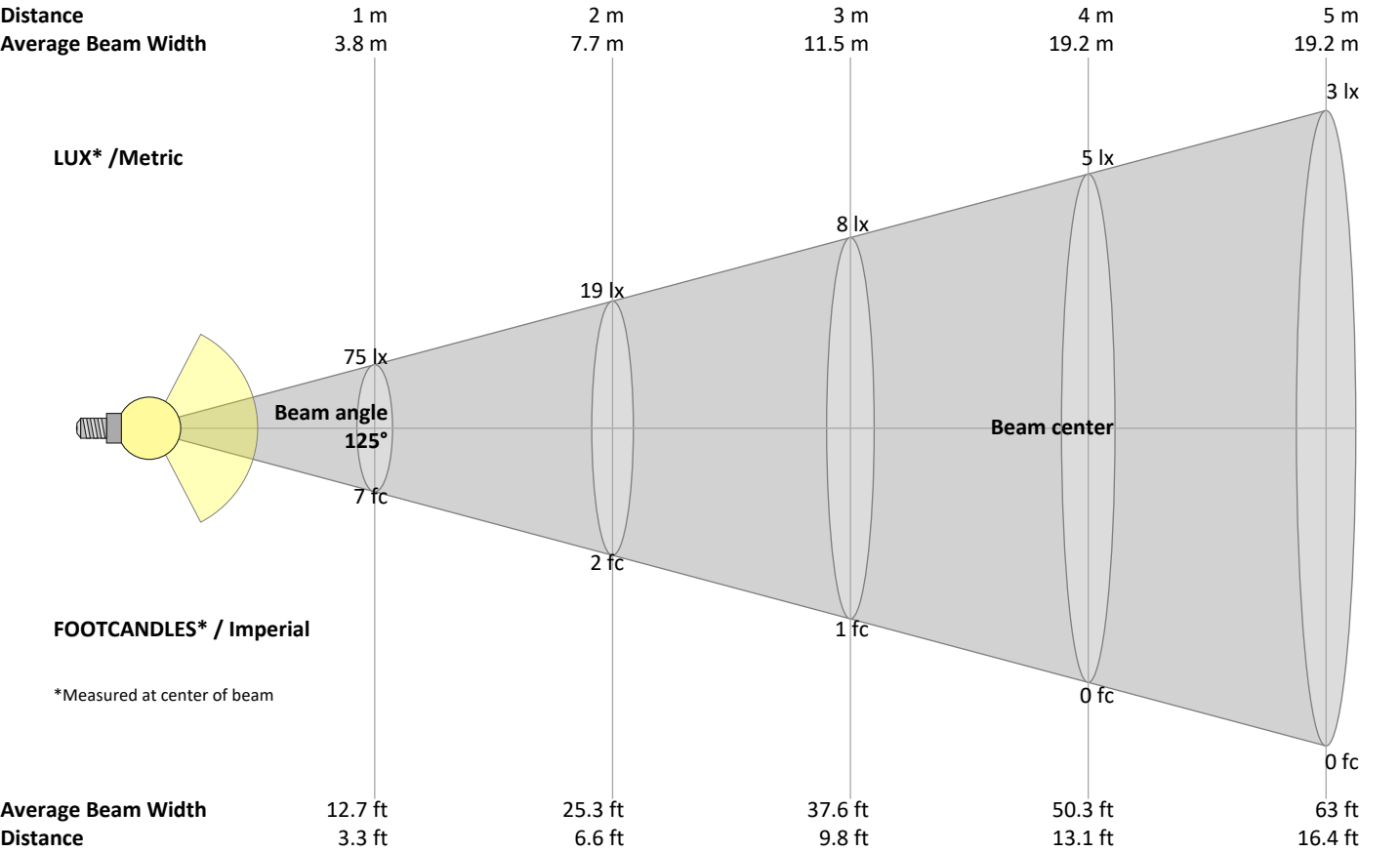
C000-C180 Horiz.	124°
C090-C270 Vertical	124.9°

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



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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
75	19	8	5	3	2	2	1	1	1	1	1	0	0	0	0	0	0	0	0	lux
6.9	1.7	0.8	0.4	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0	0	fc

Power Details

Input Power

Power feed to light source	12.0 W
Frequency of input power	0 Hz
RMS Input voltage feed, VRMS	24.0 V
RMS Input current feed, IRMS	0.500 A
Volt-Ampere or apparent power = VRMS*IRMS	12.0 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

