

Light measurement report

Laboratory results

Print date 01-05-2026

Laboratory and Equipment

Test lab	GLLED
Spectrometer Manufacturer and Model	n/a, n/a – n/a
Measurement date	5/1/2026

Measurement Conditions

Tested c-planes	16
Tested gamma angles	73 – 2.50°
Input Power	2.7 W

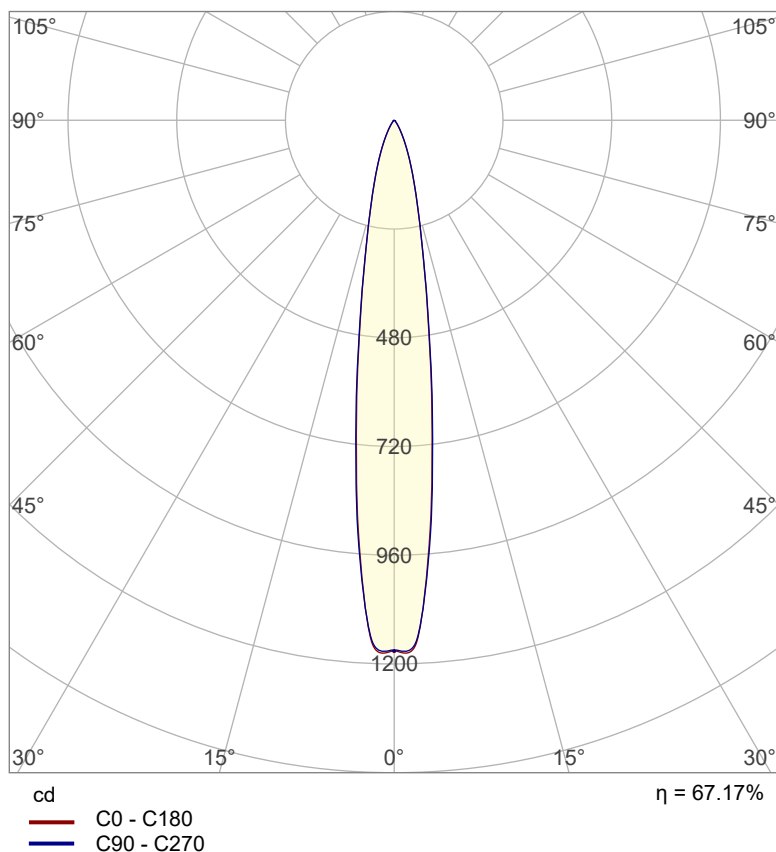
Tested Light Source

Luminaire	MS201 SSA
Basic Luminous Shape	SPOT
Item No.	
Manufacturer	GARDEN LIGHT LED

Main Light Measurement Results

Output – Total Lumen (Up% / Down%)	167.9 lm – 0% / 100%
Efficiency	62.2 lm/W
Peak Intensity	1172 cd
Correlated Color Temperature, CCT	2700 K
Color Rendering Index	CRI 85.0

Polar light distribution diagram

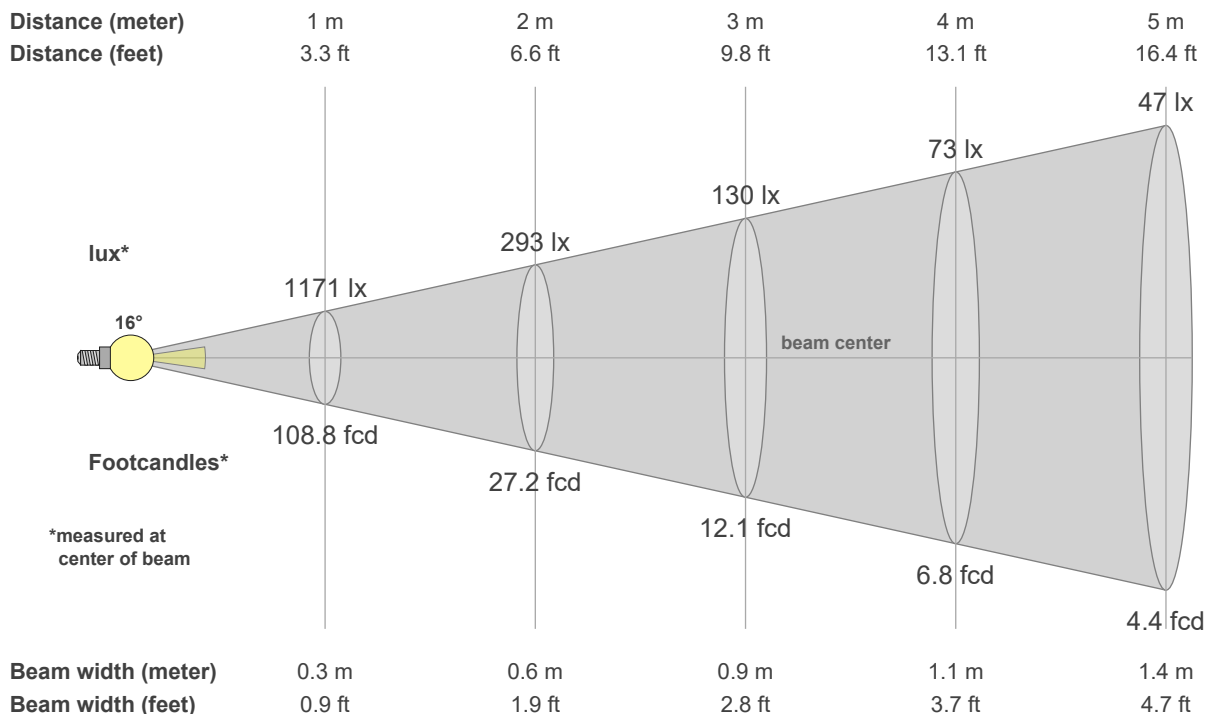


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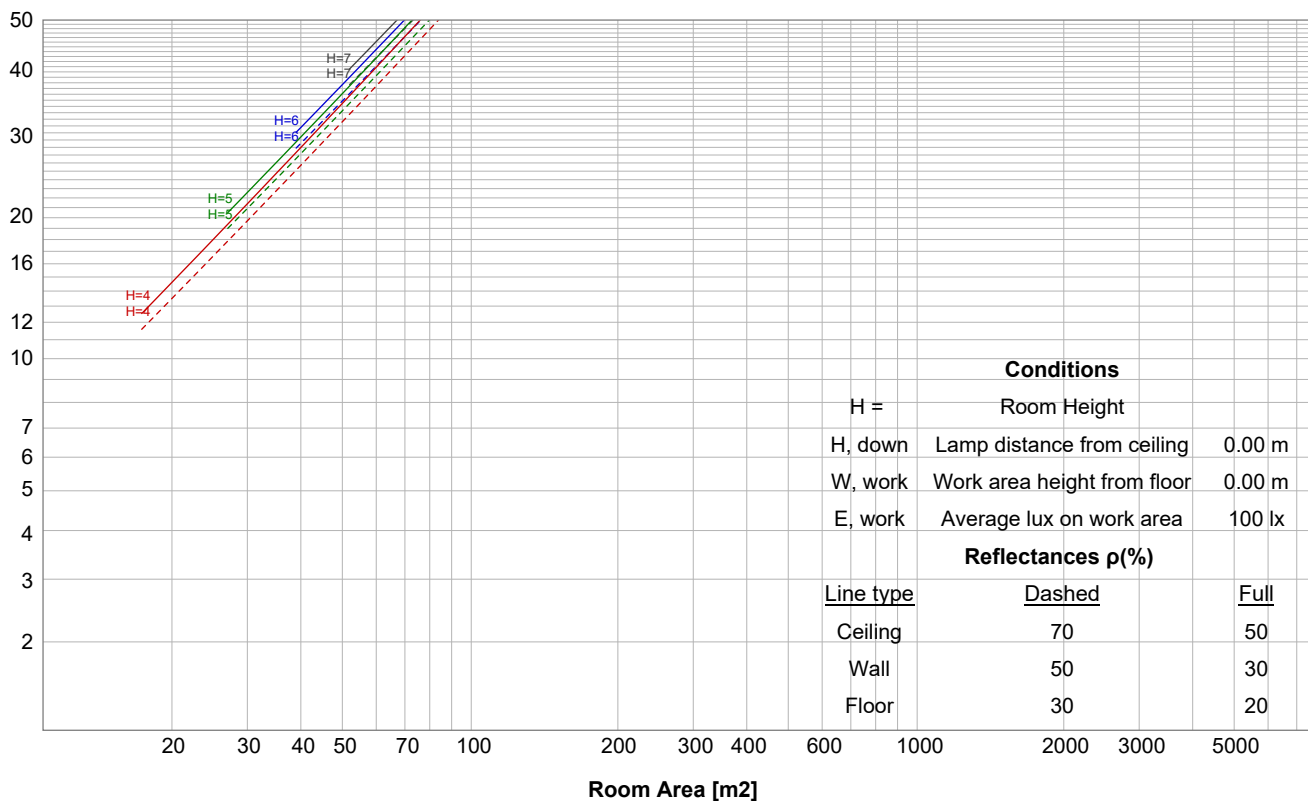
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Beam details

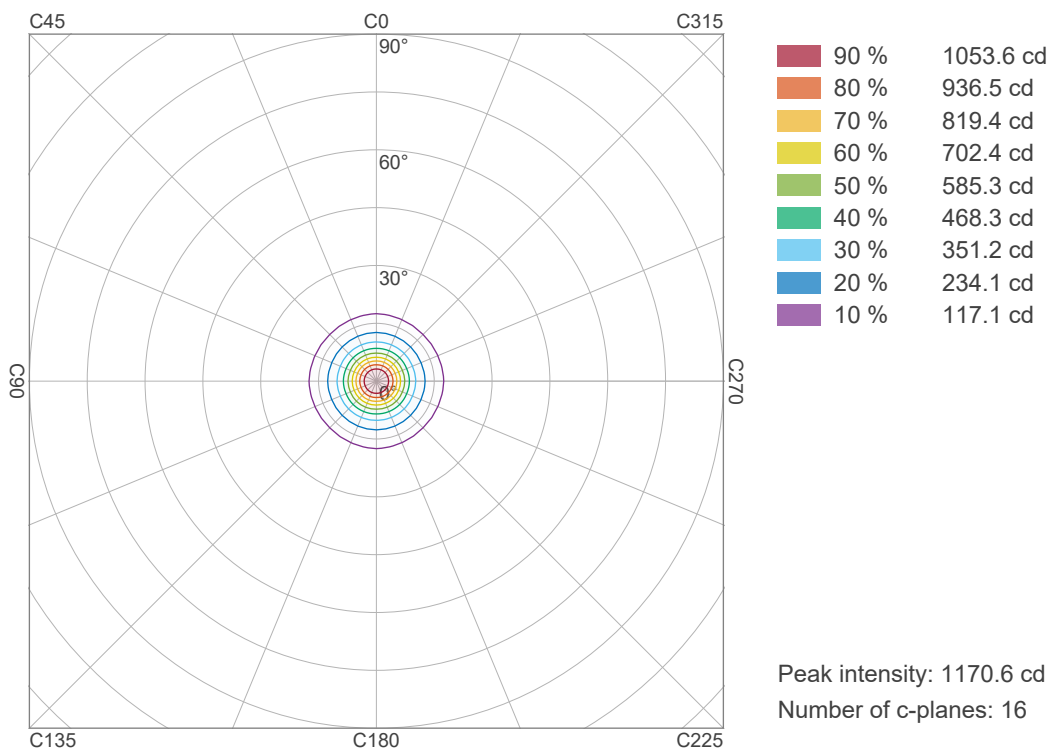


Luminaire budgetary diagram

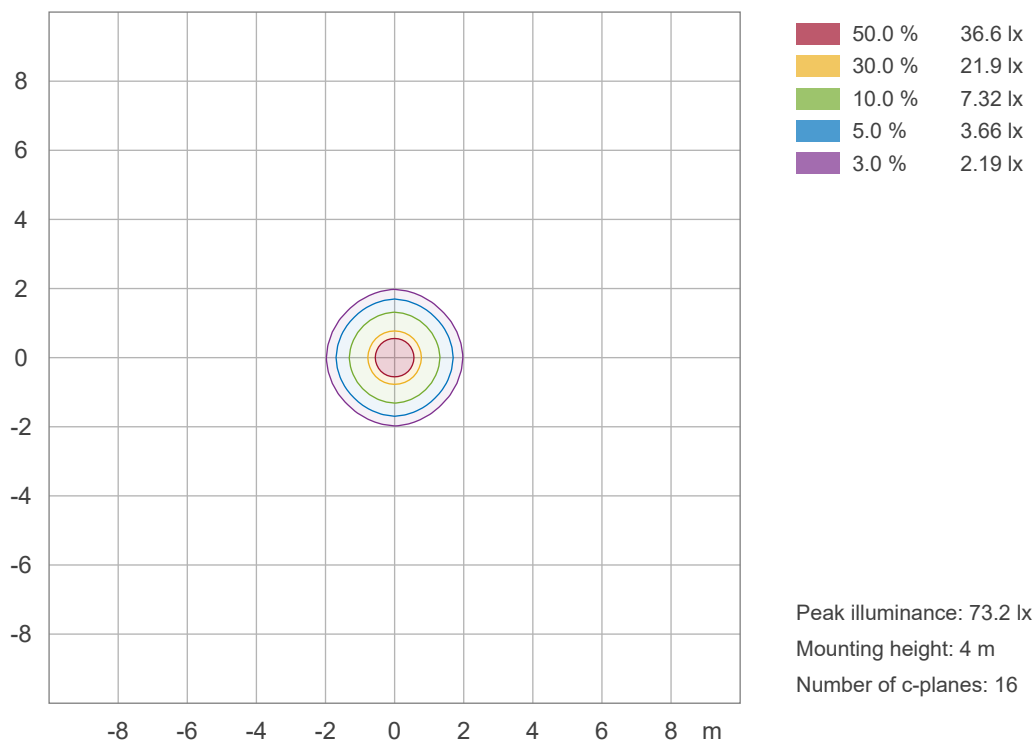
LAMPS (number of lamps)



Iso-intensity Diagram (Iso-candela)



Iso-illuminance Diagram (Iso-lux)

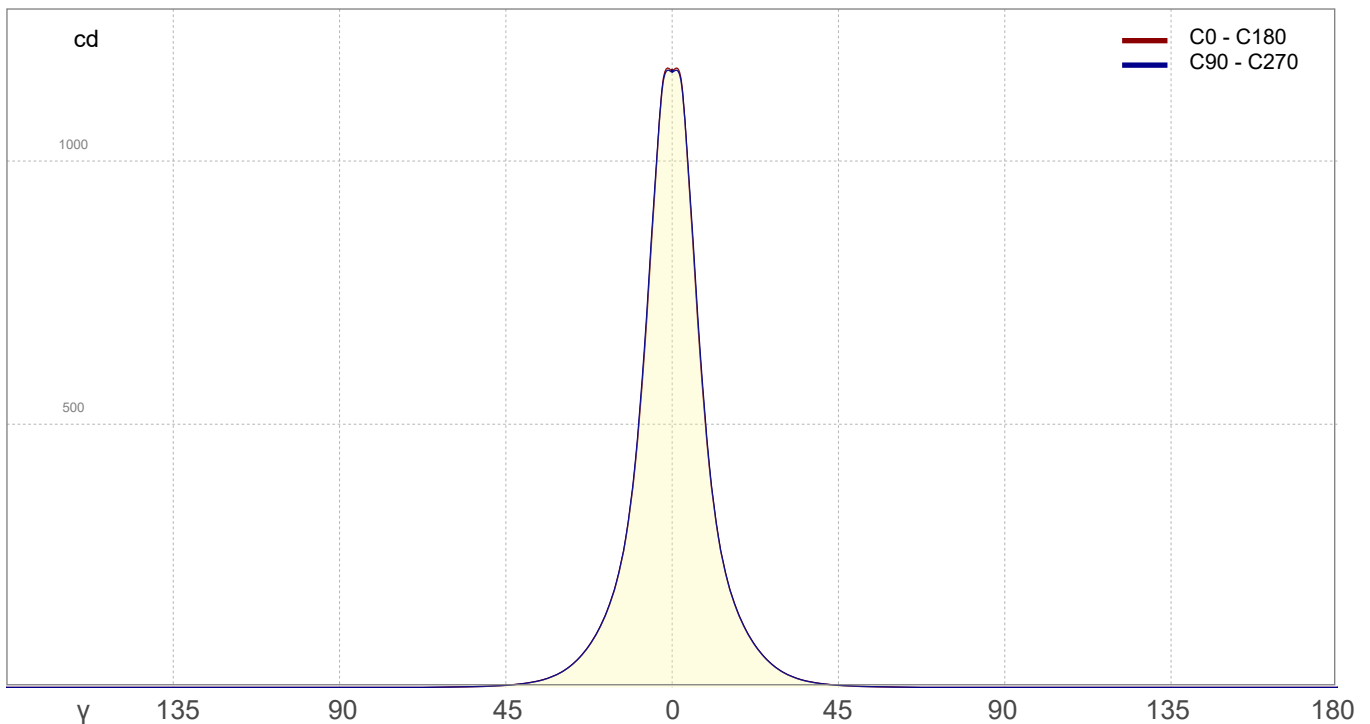


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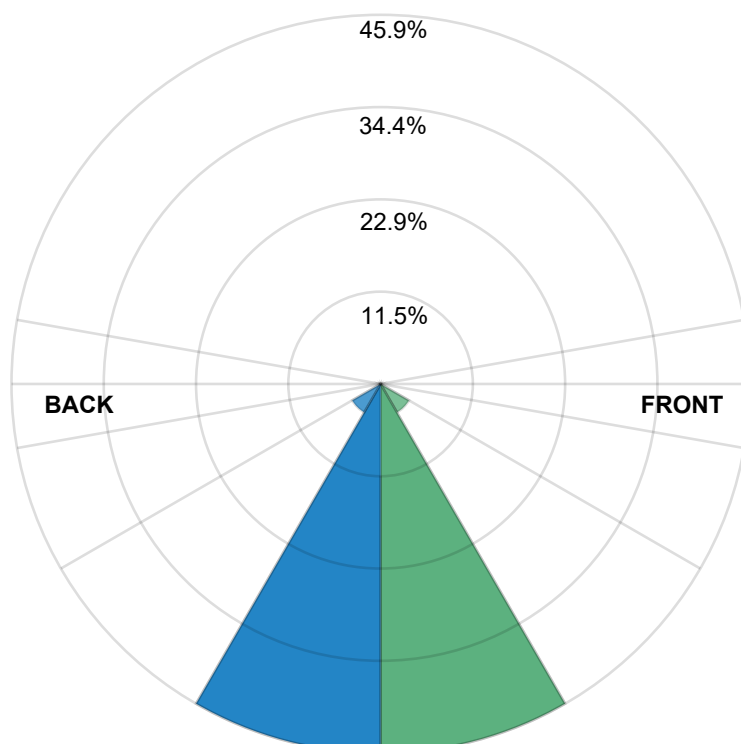
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Linear intensity distribution diagram



IESNA TM-15-07 Luminaire Classification System For Outdoor Luminaires

BUG rating B0 U0 G0



Forward Light

Low (0-30°)	77.0 lm	45.9%
Medium (30-60°)	6.8 lm	4.1%
High (60-80°)	0.1 lm	0.1%
Very High (80-90°)	0.0 lm	0.0%

Back Light

Low (0-30°)	77.0 lm	45.9%
Medium (30-60°)	6.8 lm	4.1%
High (60-80°)	0.1 lm	0.1%
Very High (80-90°)	0.0 lm	0.0%

Uplight

Low (90-100°)	0.0 lm	0.00%
High (100-180°)	0.0 lm	0.0%

Total

Sum	167.9 lm	100,0%
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