

Light measurement report

Laboratory results

Print date 17-04-2026

Laboratory and Equipment

Test lab	Intertek
Spectrometer Manufacturer and Model	n/a, n/a – n/a
Measurement date	9/29/2017

Measurement Conditions

Tested c-planes	16
Tested gamma angles	73 – 2.50°
Input Power	16.4 W

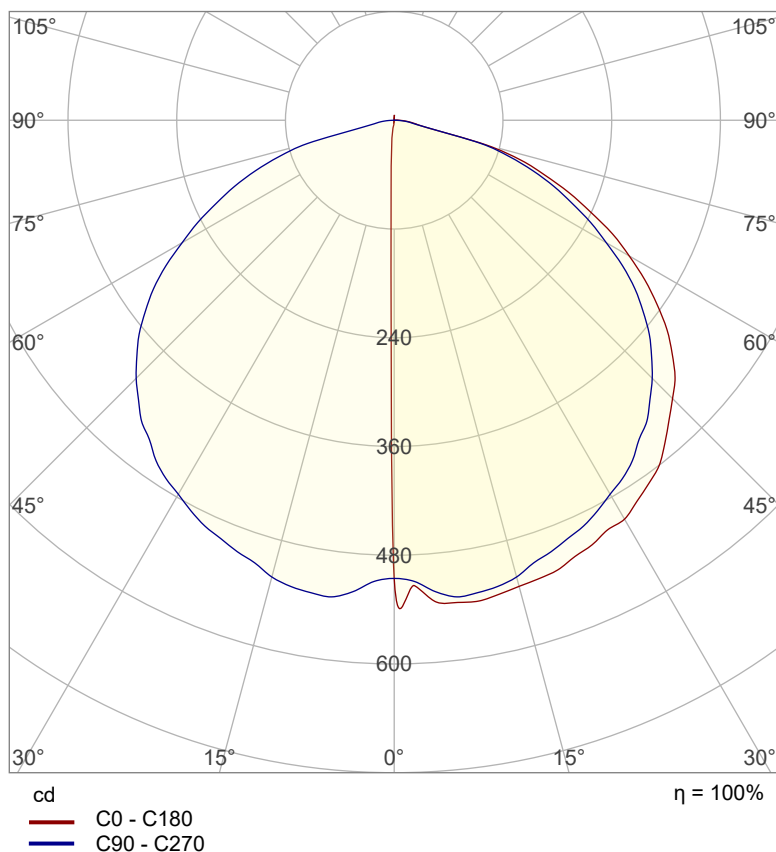
Tested Light Source

Luminaire	Garden Light
Basic Luminous Shape	SPOT
Item No.	
Manufacturer	Garden Light

Main Light Measurement Results

Output – Total Lumen (Up% / Down%)	1555 lm – 0.0647% / 99.94%
Efficiency	94.81 lm/W
Peak Intensity	538.7 cd
Correlated Color Temperature, CCT	2700 K
Color Rendering Index	CRI 85.0

Polar light distribution diagram

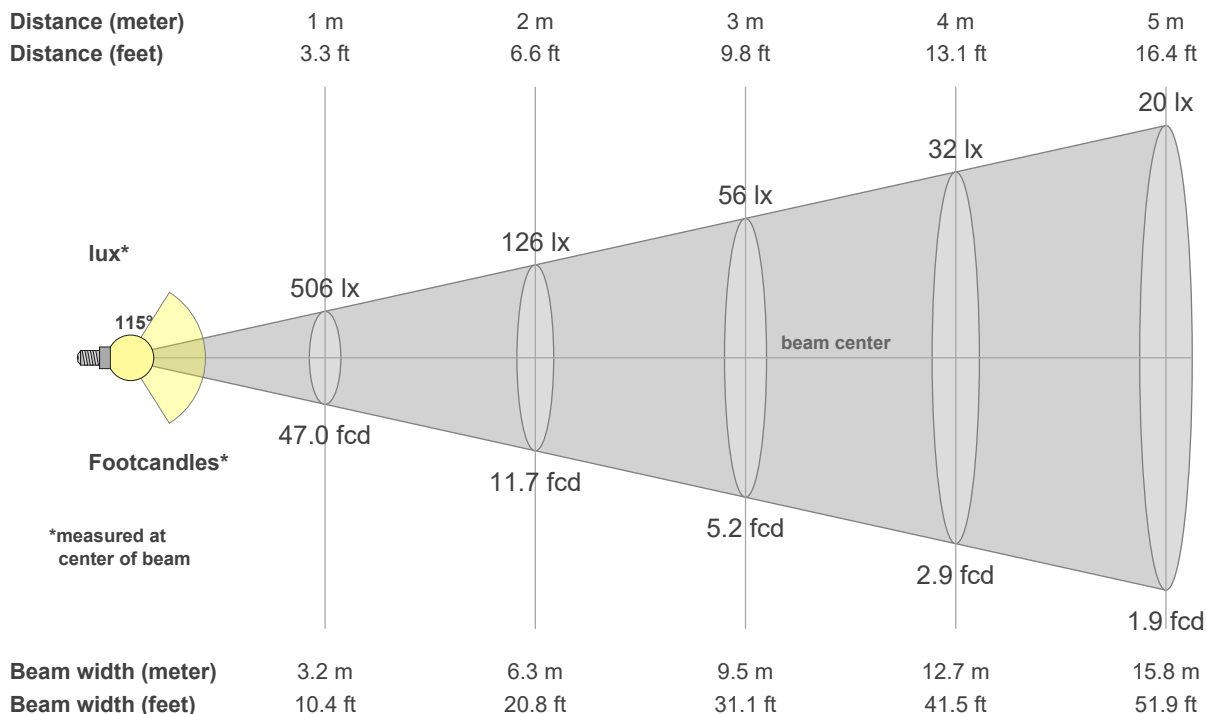


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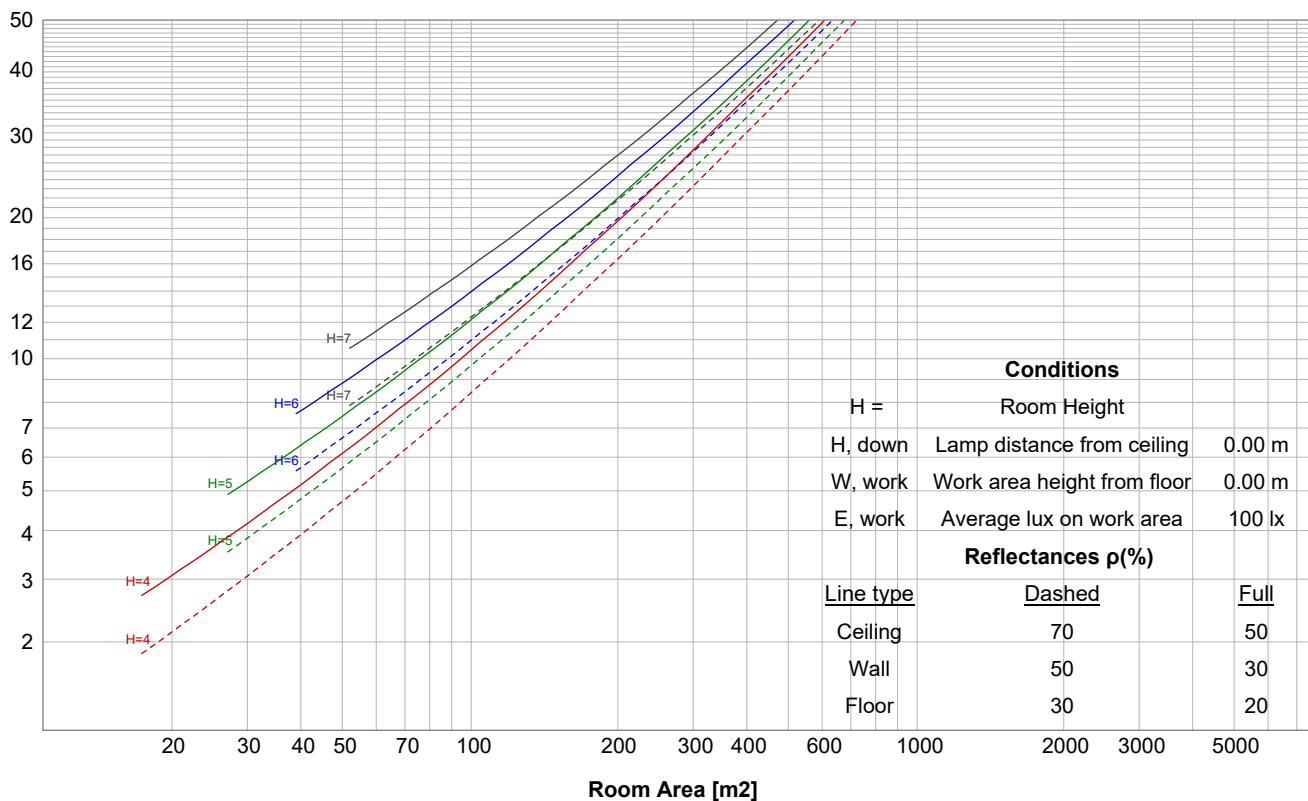
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Beam details

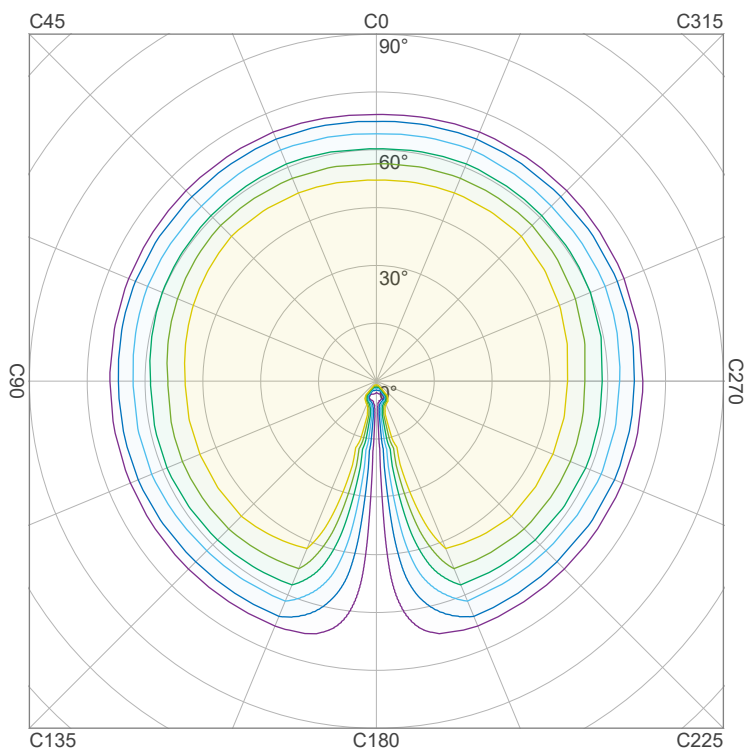


Luminaire budgetary diagram

LAMPS (number of lamps)



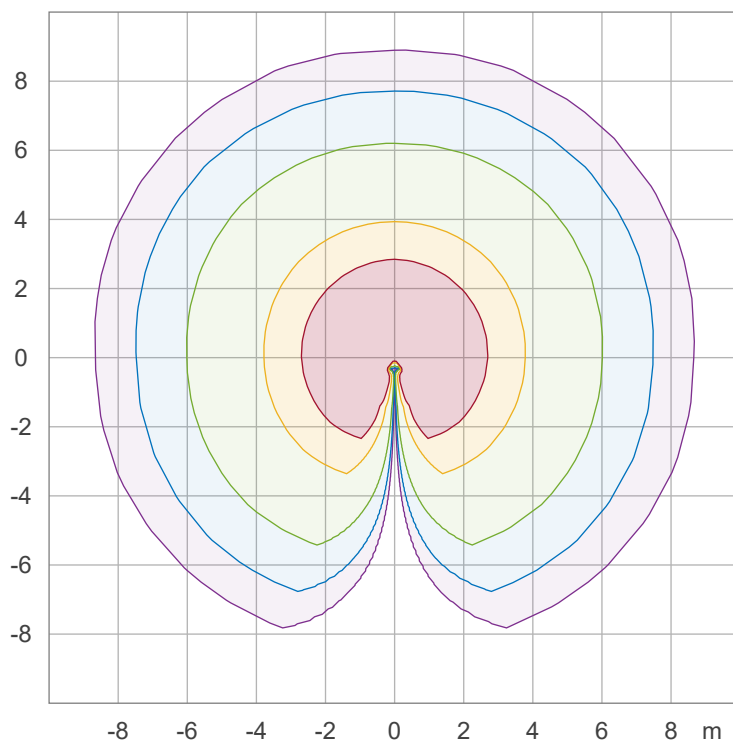
Iso-intensity Diagram (Iso-candela)



90 %	484.8 cd
80 %	431.0 cd
70 %	377.1 cd
60 %	323.2 cd
50 %	269.4 cd
40 %	215.5 cd
30 %	161.6 cd
20 %	107.7 cd
10 %	53.9 cd

Peak intensity: 538.7 cd
Number of c-planes: 16

Iso-illuminance Diagram (Iso-lux)



50.0 %	16.5 lx
30.0 %	9.89 lx
10.0 %	3.3 lx
5.0 %	1.65 lx
3.0 %	0.989 lx

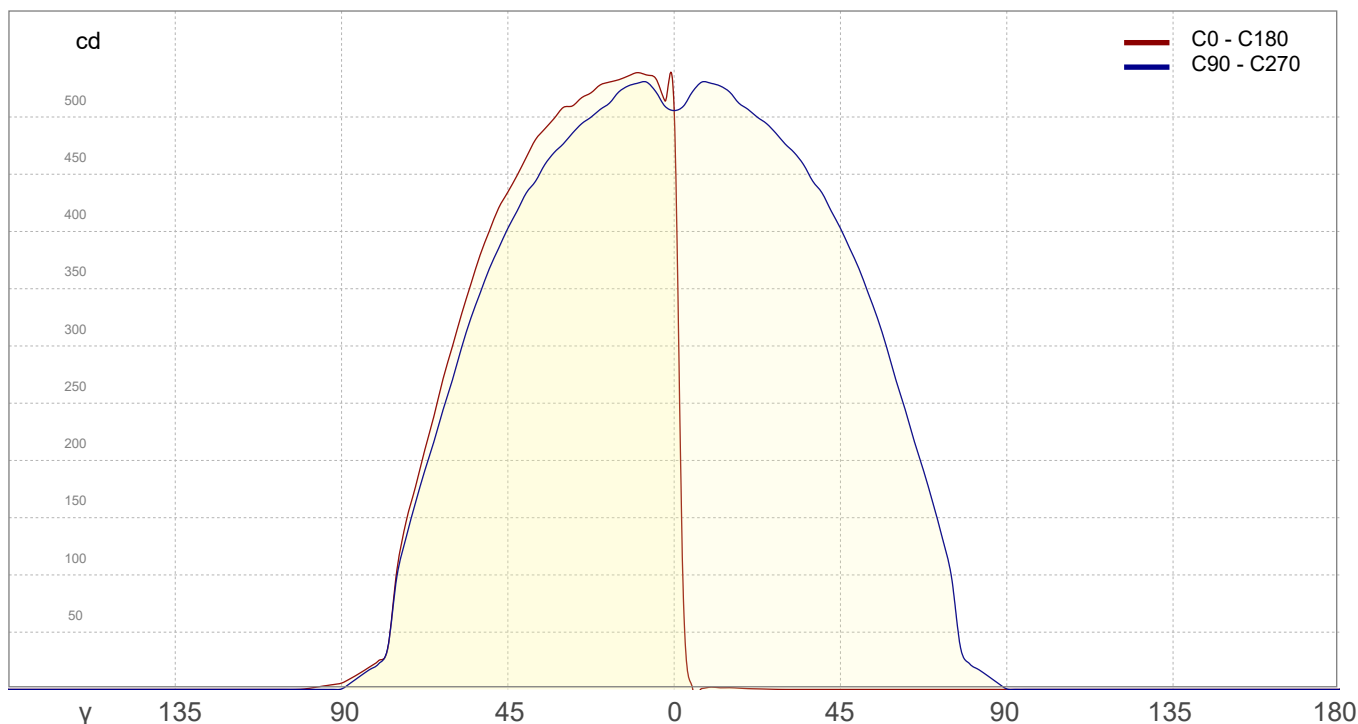
Peak illuminance: 33 lx
Mounting height: 4 m
Number of c-planes: 16

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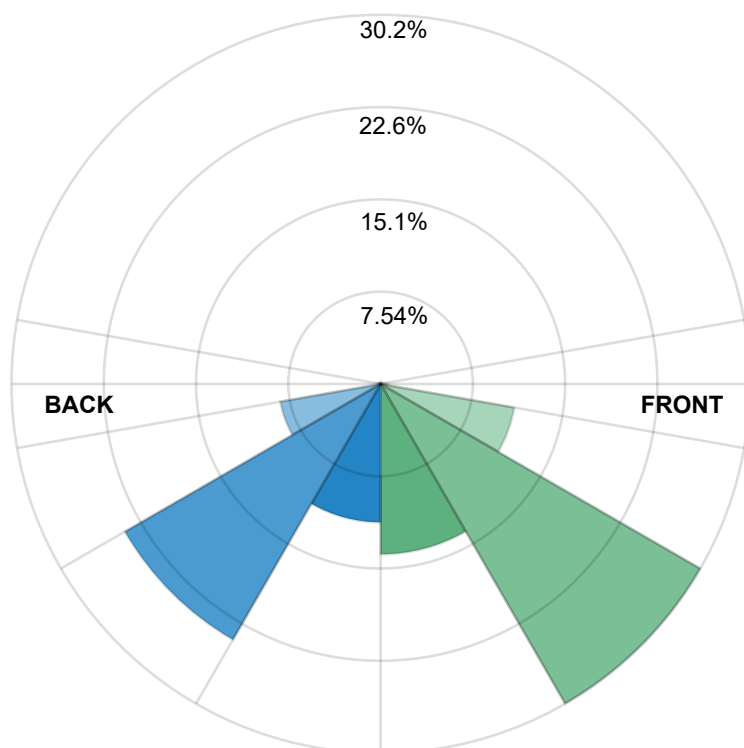
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Linear intensity distribution diagram



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

BUG rating B1 U1 G1



Forward Light

Low (0-30°)	216.3 lm	13.9%
Medium (30-60°)	468.9 lm	30.2%
High (60-80°)	172.5 lm	11.1%
Very High (80-90°)	8.9 lm	0.6%

Back Light

Low (0-30°)	175.7 lm	11.3%
Medium (30-60°)	375.1 lm	24.1%
High (60-80°)	129.4 lm	8.3%
Very High (80-90°)	3.4 lm	0.2%

Uplight

Low (90-100°)	1.0 lm	0.06%
High (100-180°)	0.0 lm	0.0%

Total

Sum	1554.9 lm	100,0%
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