

Test report

Light measurement results

Print date 11/6/2025

Laboratory and Equipment

Test lab
Spectrometer Manufacturer and Model
Measurement date

n/a - serial: n/a sensor serial: n/a
n/a, n/a - n/a
4/21/2025

Measurement Conditions

Tested c-planes
Tested gamma angles
Input Power

17 - distance {C_PLANES_DIST}°
181 - {H_PLANES_DIST}°
235.3 W

Tested Light Source

Luminaire
Basic Luminous Shape
Item No.
Manufacturer

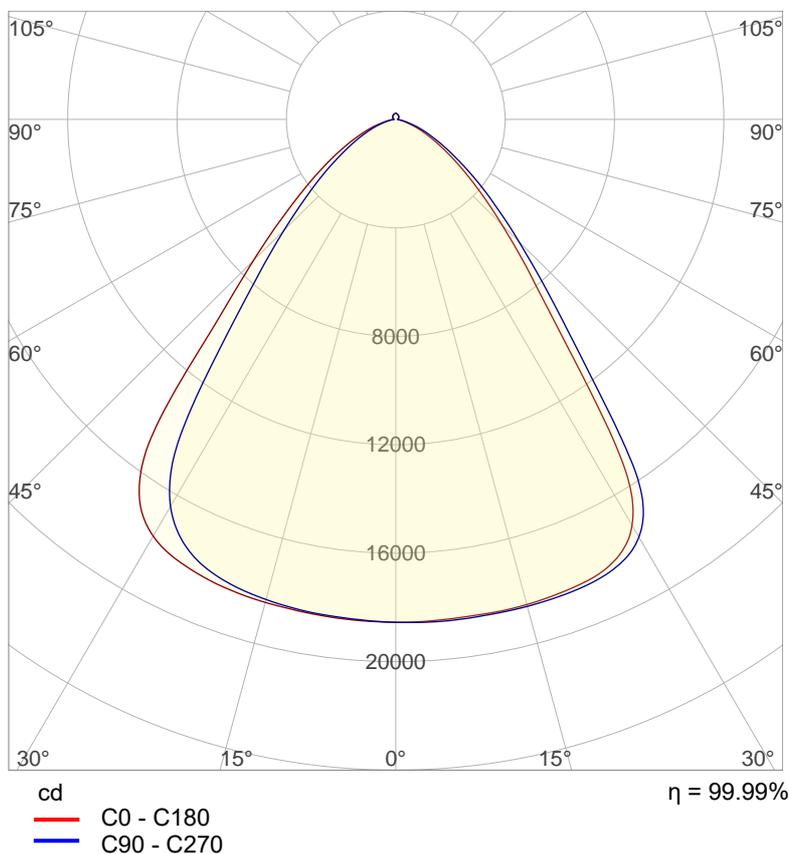
Orbix UFO High Bay - OBX-HB-RD240-01
SPOT
Grizzly Lighting Systems

Main Light Measurement Results

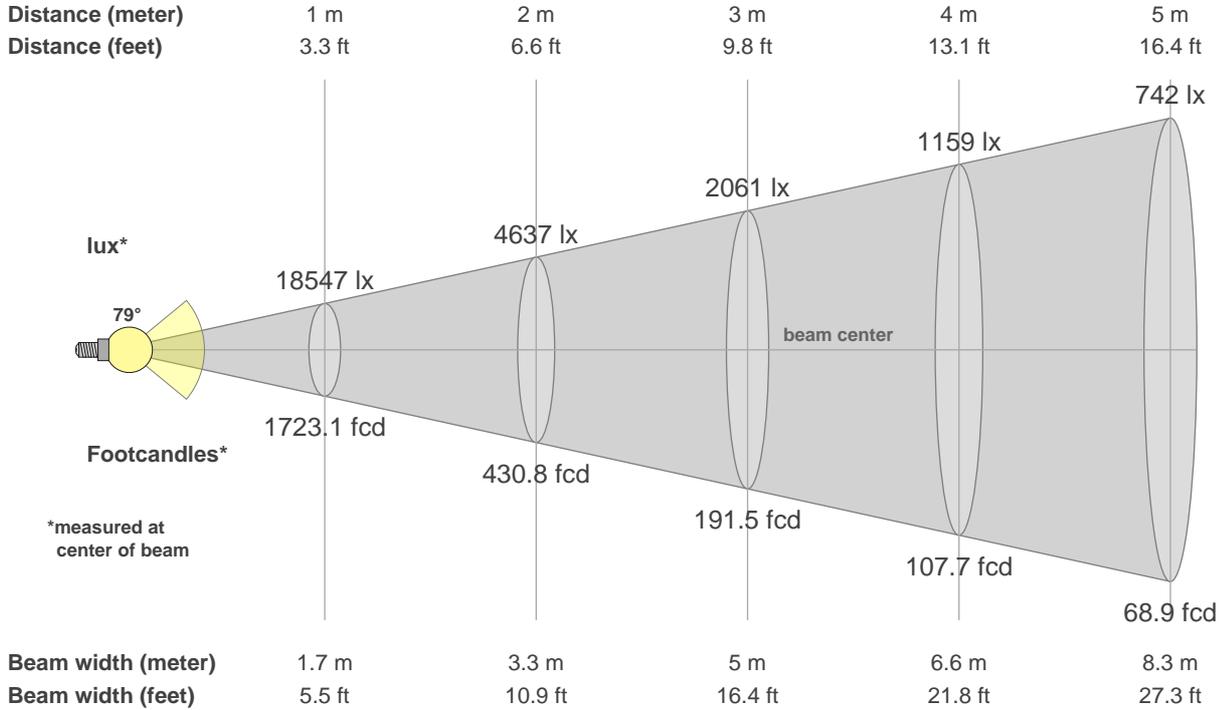
Output - Total Lumen (Up% / Down%)
Efficiency
Peak Intensity
Correlated Color Temperature, CCT
Color Rendering Index

34380 lm - 2.281% / 97.72%
146.1 lm/W
18610 cd
5000 K
CRI 85

Polar light distribution diagram

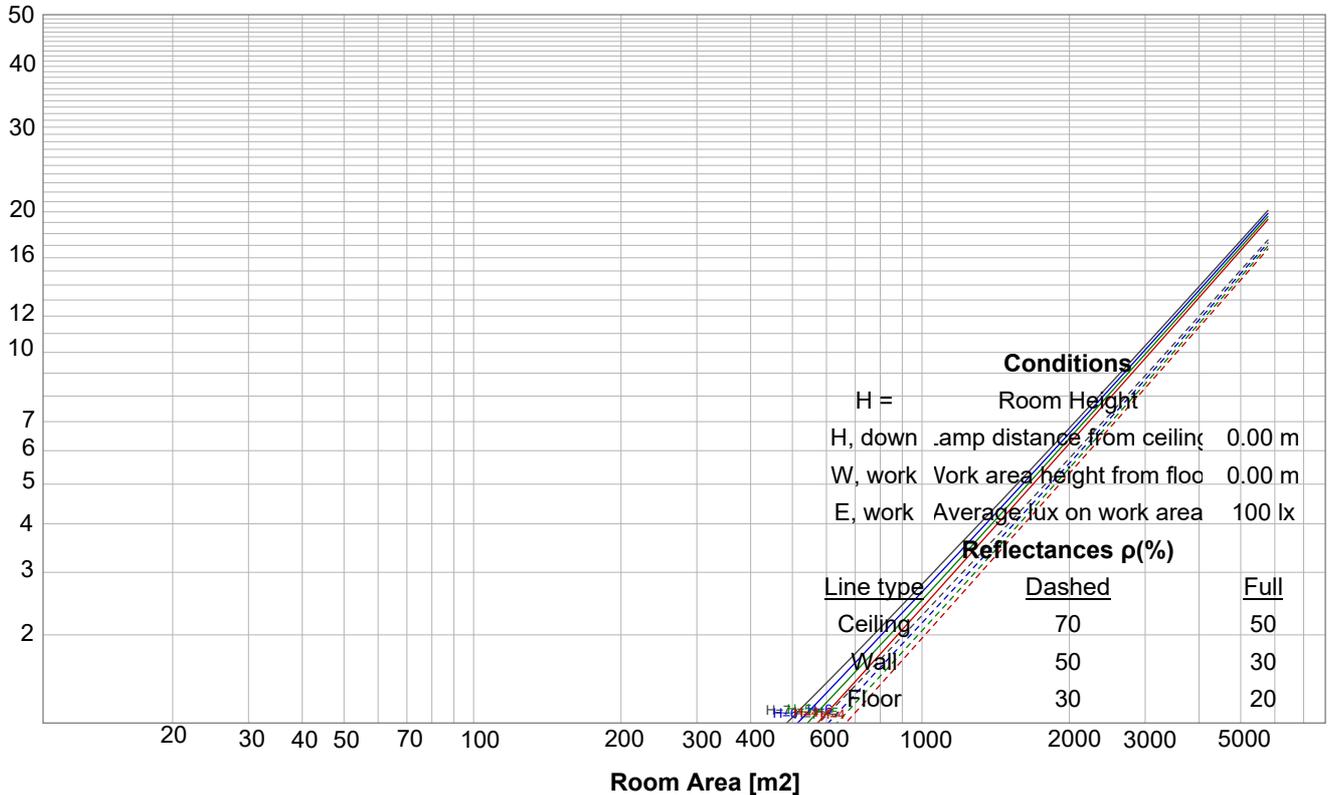


Beam details

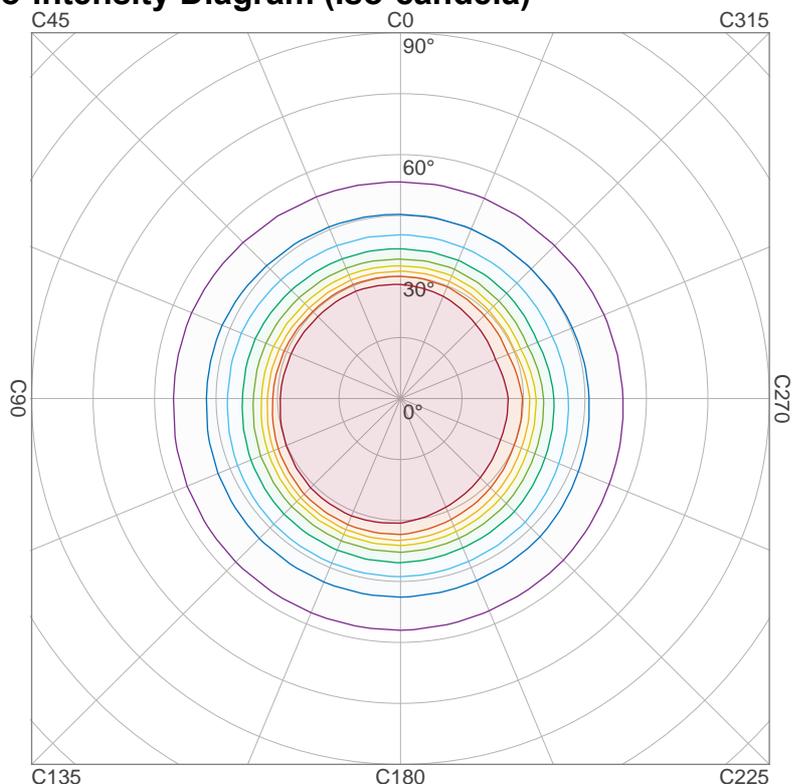


Luminaire budgetary diagram

LAMPS (number of lamps)



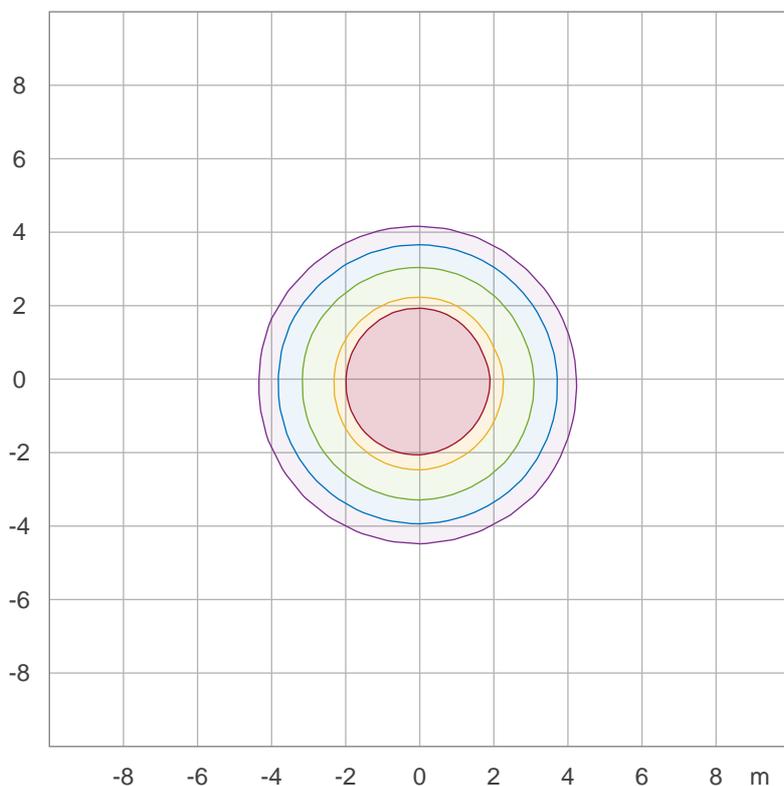
Iso-intensity Diagram (Iso-candela)



90 %	16745.4 cd
80 %	14884.8 cd
70 %	13024.2 cd
60 %	11163.6 cd
50 %	9303.0 cd
40 %	7442.4 cd
30 %	5581.8 cd
20 %	3721.2 cd
10 %	1860.6 cd

Peak intensity: 18606.0 cd
Number of c-planes: 16

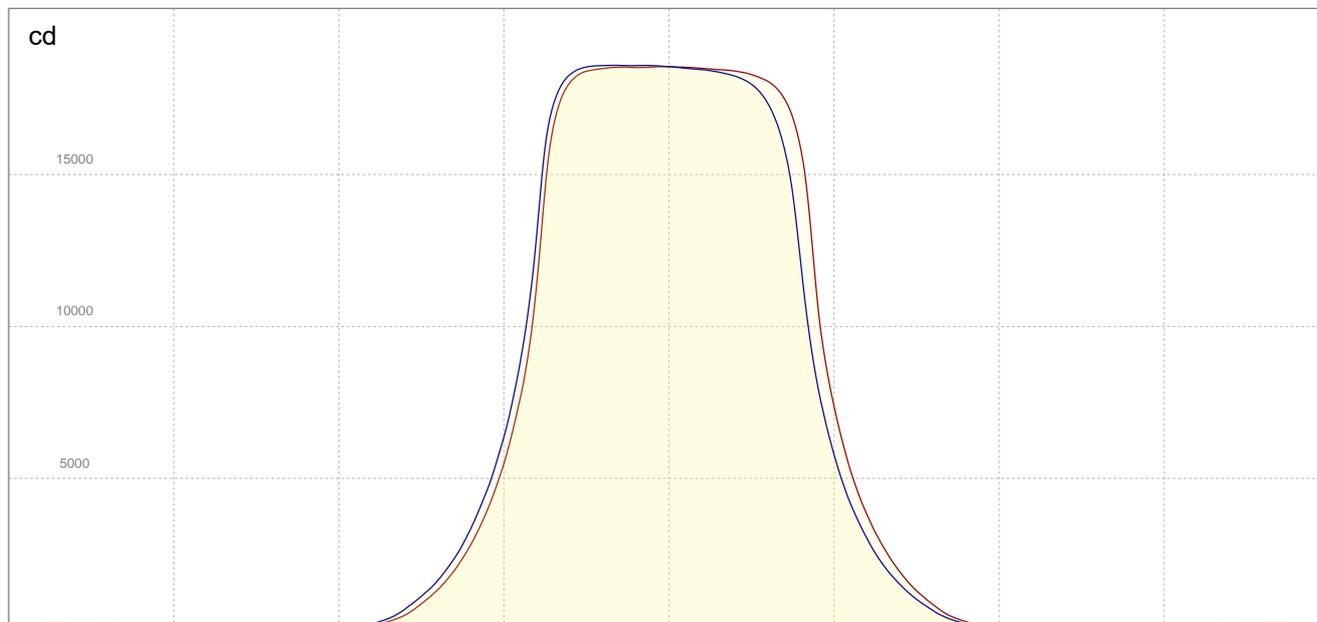
Iso-illuminance Diagram (Iso-lux)



50.0 %	1030 lx
30.0 %	618 lx
10.0 %	206 lx
5.0 %	103 lx
3.0 %	61.8 lx

Peak illuminance: 2060 lx
Mounting height: 3 m
Number of c-planes: 16

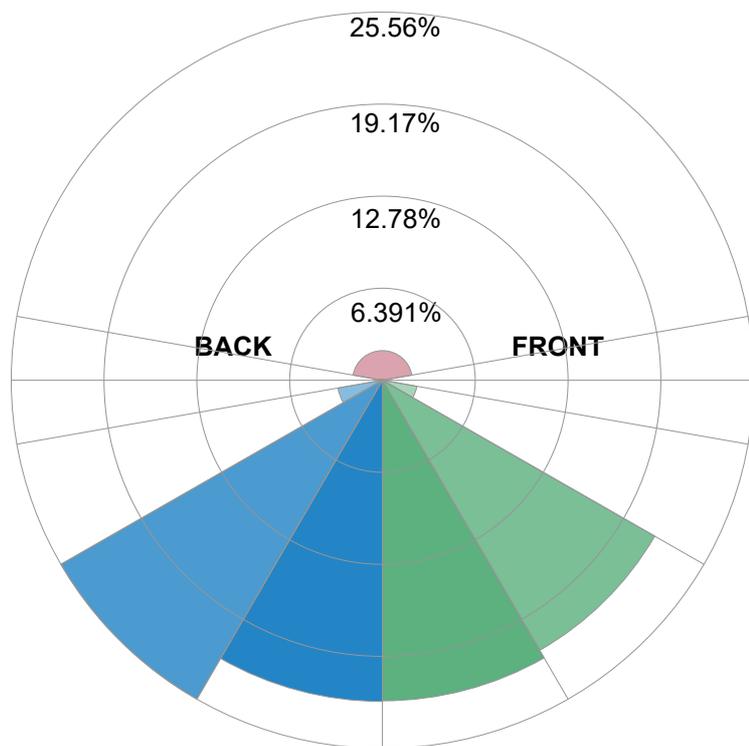
Linear intensity distribution diagram



— C0 - C180
— C90 - C270

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

BUG rating B5 U4 G3



Forward Light

Low (0-30°)	7654	lm	22.26%
Medium (30-60°)	7446	lm	21.66%
High (60-80°)	828.7	lm	2.41%
Very High (80-90°)	57.84	lm	0.1682%

Back Light

Low (0-30°)	7669	lm	22.3%
Medium (30-60°)	8789	lm	25.56%
High (60-80°)	1070	lm	3.111%
Very High (80-90°)	83.49	lm	0.2428%

Uplight

Low (90-100°)	77.01	lm	0.224%
High (100-180°)	707.2	lm	2.057%

Total

Sum	34380	lm	100%
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