

Test report

Light measurement results

Print date 11/5/2025

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
4/22/2025

Measurement Conditions

Tested c-planes
Tested gamma angles
Input Power

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

Tested Light Source

Luminaire
Basic Luminous Shape
Item No.
Manufacturer

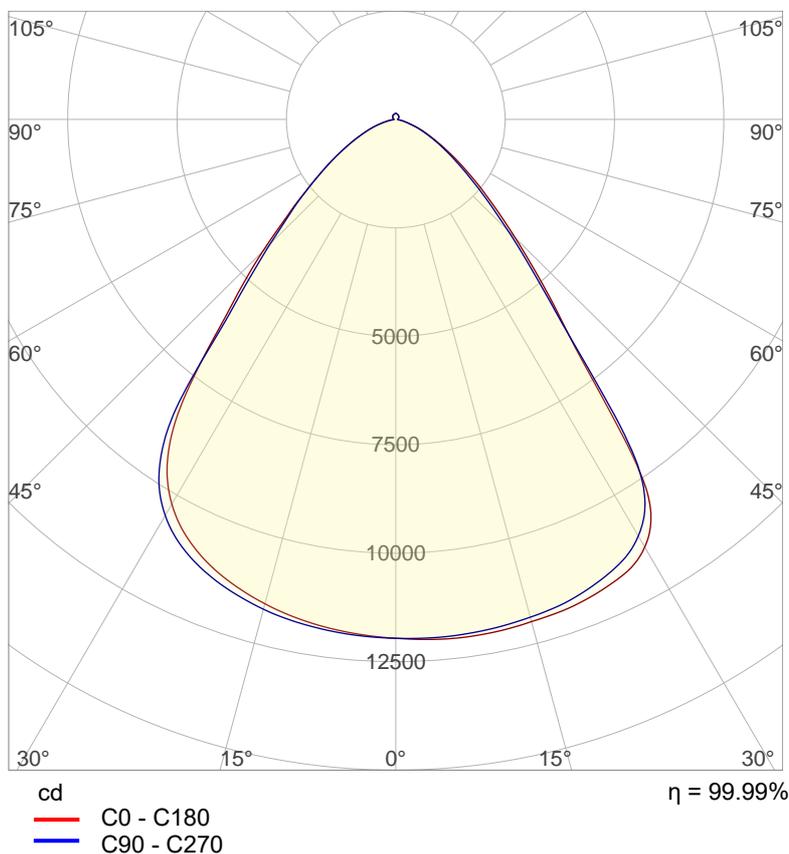
Orbix UFO High Bay - OBX-HB-RD150-01
SPOT
Grizzly Lighting Systems

Main Light Measurement Results

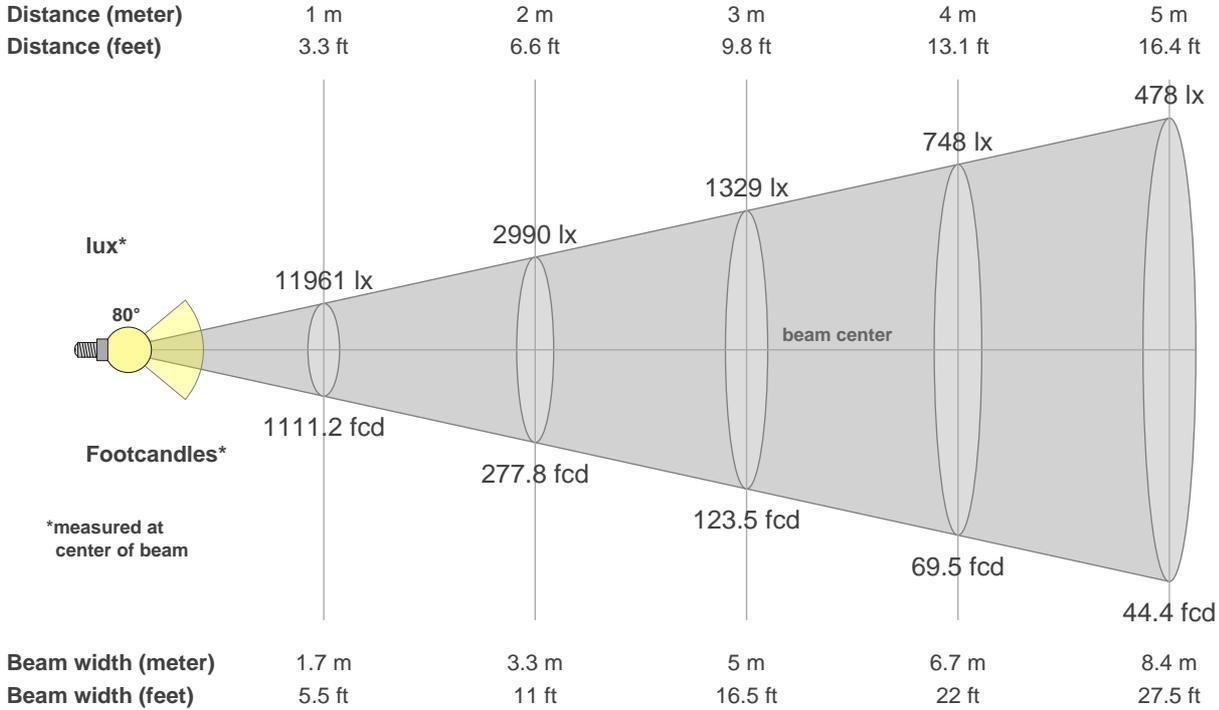
Output - Total Lumen (Up% / Down%)
Efficiency
Peak Intensity
Correlated Color Temperature, CCT
Color Rendering Index

21770 lm - 2.274% / 97.73%
143.6 lm/W
12080 cd
3500 K
CRI 85

Polar light distribution diagram

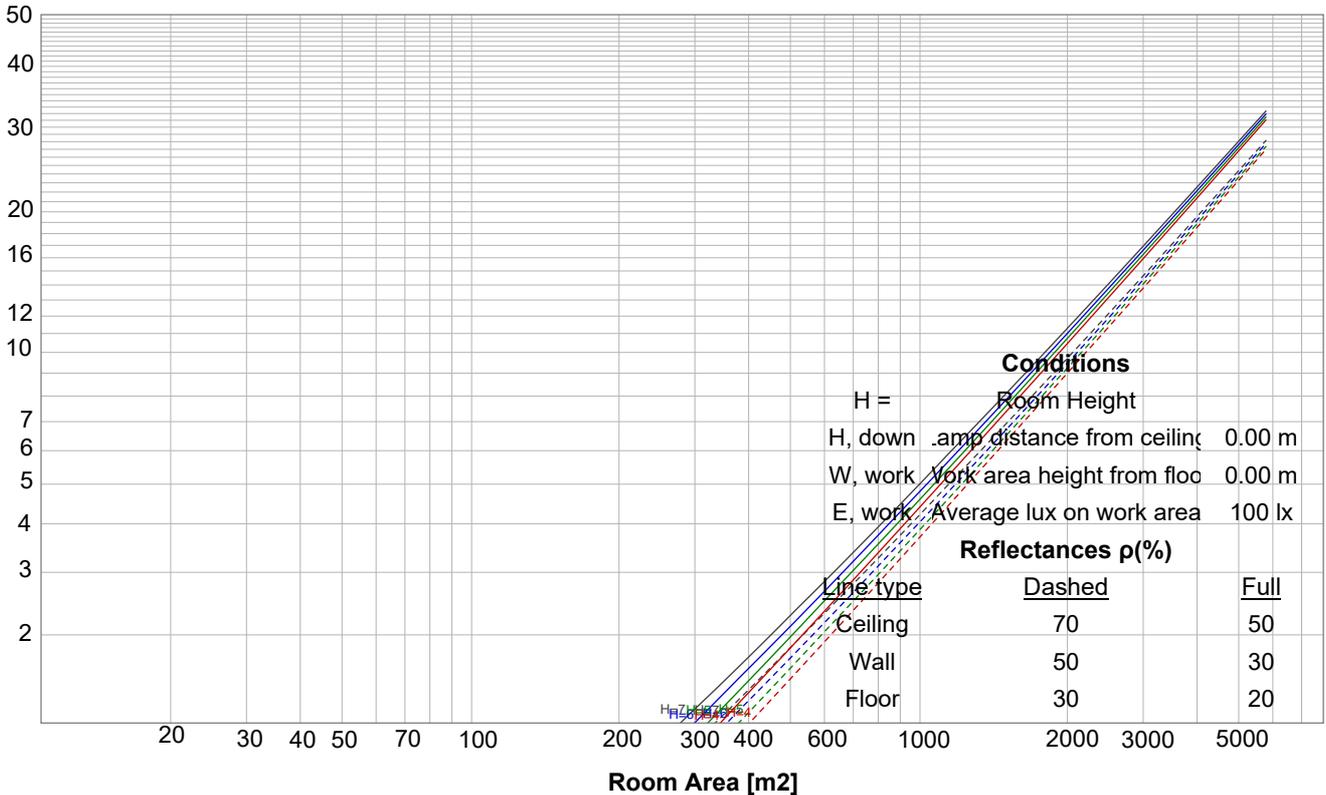


Beam details

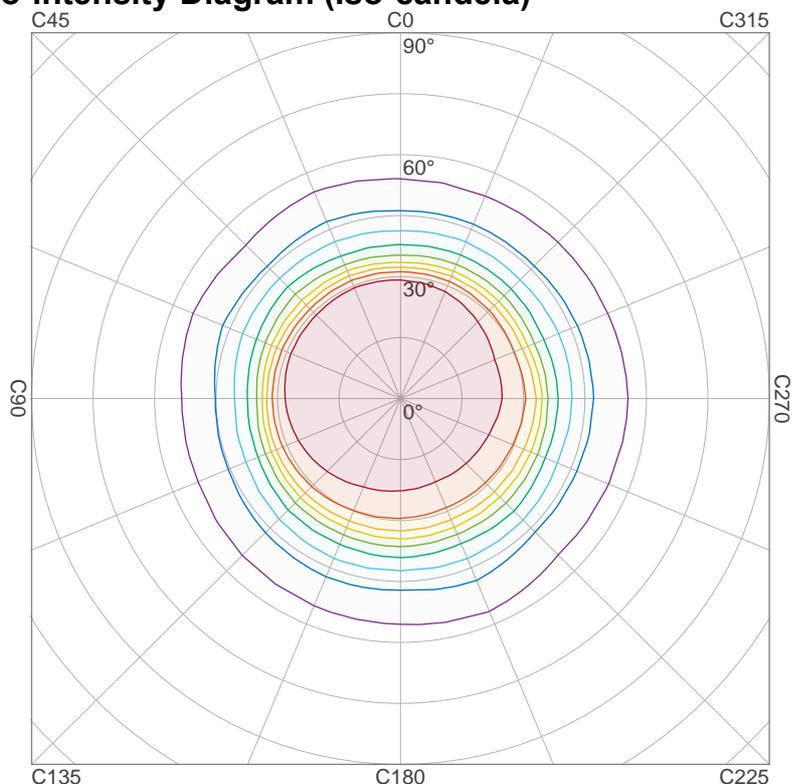


Luminaire budgetary diagram

LAMPS (number of lamps)



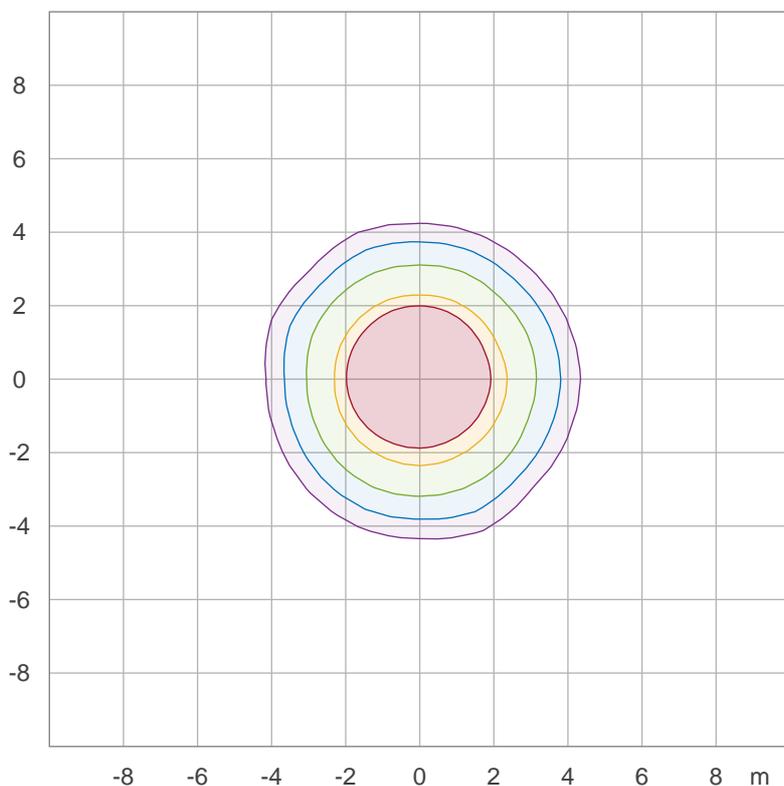
Iso-intensity Diagram (Iso-candela)



90 %	10870.2 cd
80 %	9662.4 cd
70 %	8454.6 cd
60 %	7246.8 cd
50 %	6039.0 cd
40 %	4831.2 cd
30 %	3623.4 cd
20 %	2415.6 cd
10 %	1207.8 cd

Peak intensity: 12078.0 cd
 Number of c-planes: 16

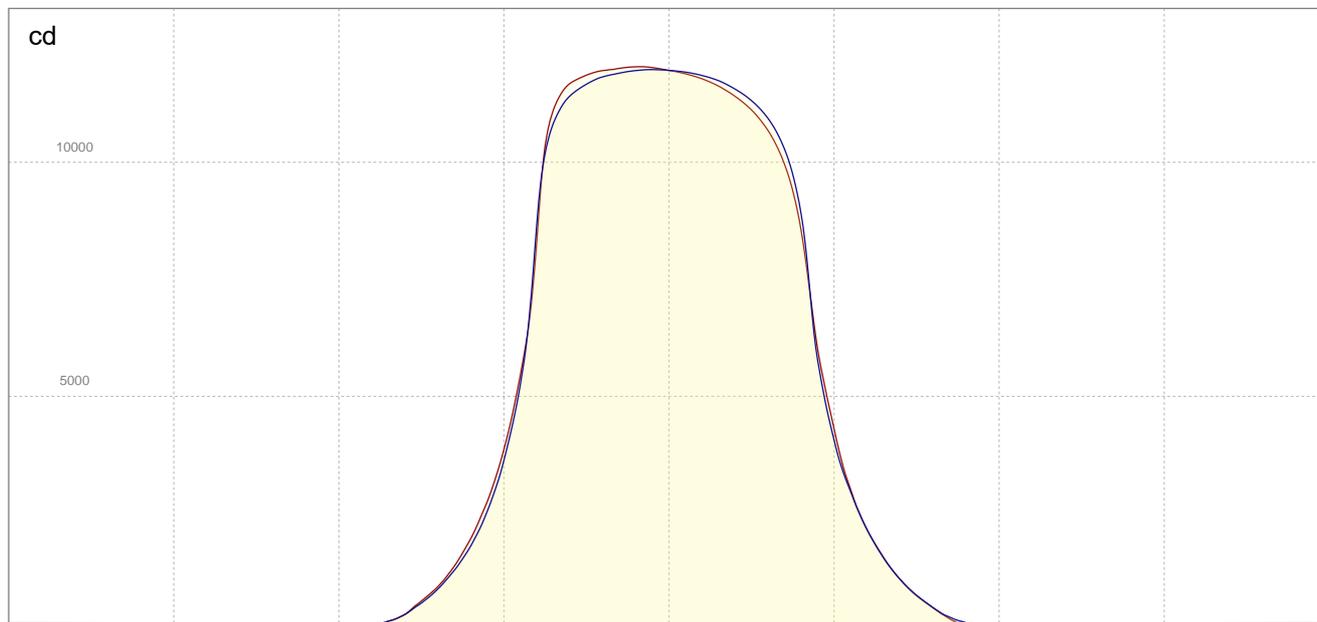
Iso-illuminance Diagram (Iso-lux)



50.0 %	665 lx
30.0 %	399 lx
10.0 %	133 lx
5.0 %	66.5 lx
3.0 %	39.9 lx

Peak illuminance: 1330 lx
 Mounting height: 3 m
 Number of c-planes: 16

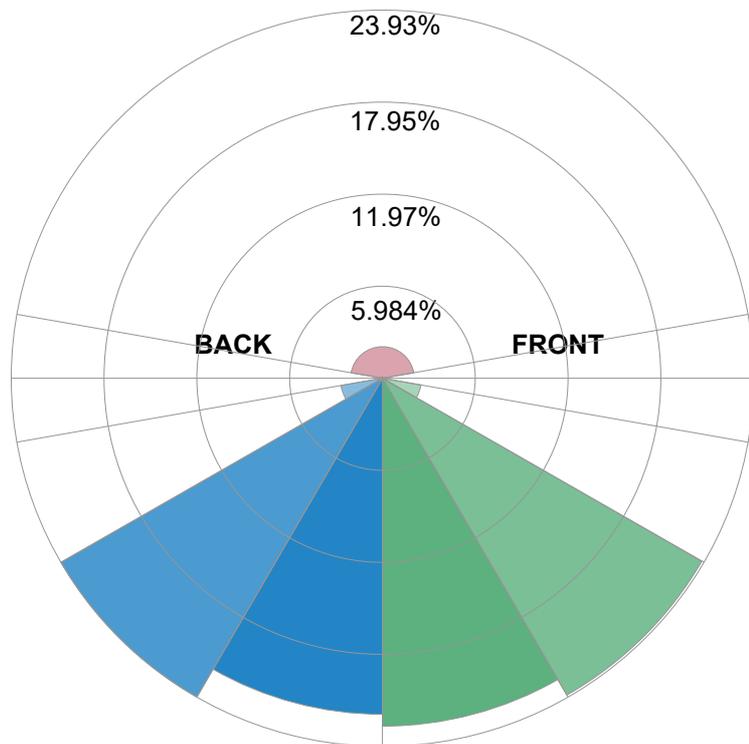
Linear intensity distribution diagram



— C0 - C180
— C90 - C270

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

BUG rating B4 U3 G2



Forward Light

Low (0-30°)	4923	lm	22.62%
Medium (30-60°)	5177	lm	23.78%
High (60-80°)	548.9	lm	2.522%
Very High (80-90°)	31.28	lm	0.1437%

Back Light

Low (0-30°)	4755	lm	21.85%
Medium (30-60°)	5210	lm	23.93%
High (60-80°)	591.3	lm	2.716%
Very High (80-90°)	35.06	lm	0.1611%

Uplight

Low (90-100°)	48.84	lm	0.2243%
High (100-180°)	446.3	lm	2.05%

Total

Sum	21770	lm	100%
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