

# 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}°  
94.59 W

## Tested Light Source

Luminaire  
Basic Luminous Shape  
Item No.  
Manufacturer

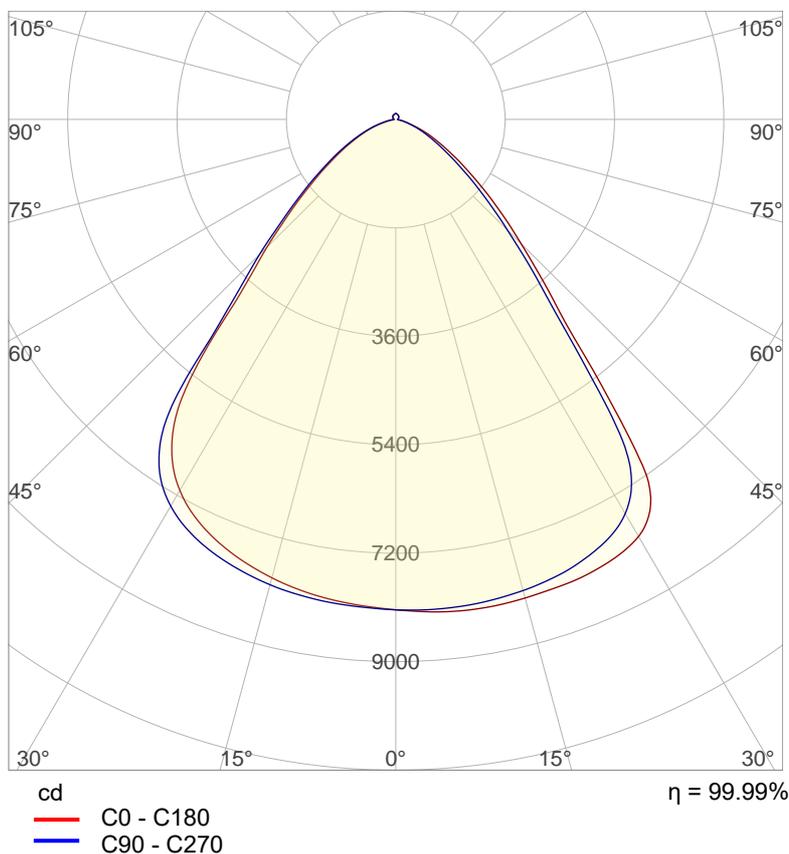
Orbix UFO High Bay - OBX-HB-RD150-01  
SPOT  
Grizzly Lighting Systems

## Main Light Measurement Results

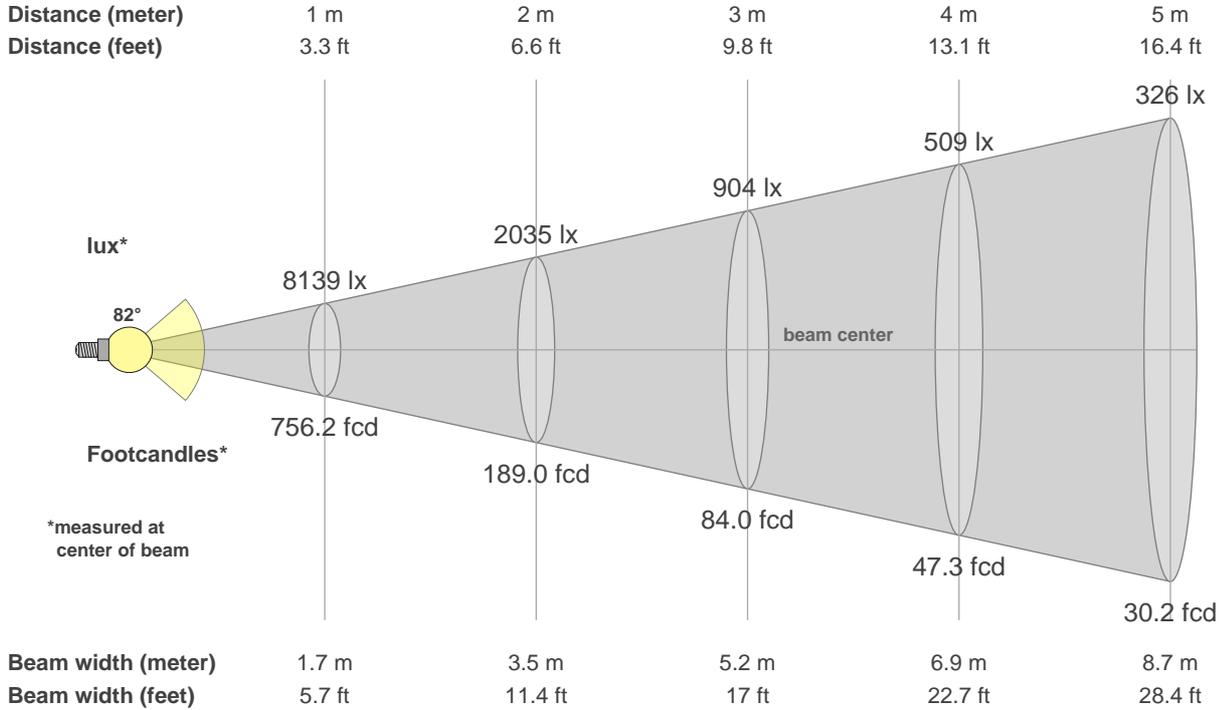
Output – Total Lumen (Up% / Down%)  
Efficiency  
Peak Intensity  
Correlated Color Temperature, CCT  
Color Rendering Index

15440 lm – 2.262% / 97.74%  
163.2 lm/W  
8258 cd  
5000 K  
CRI 85

## Polar light distribution diagram

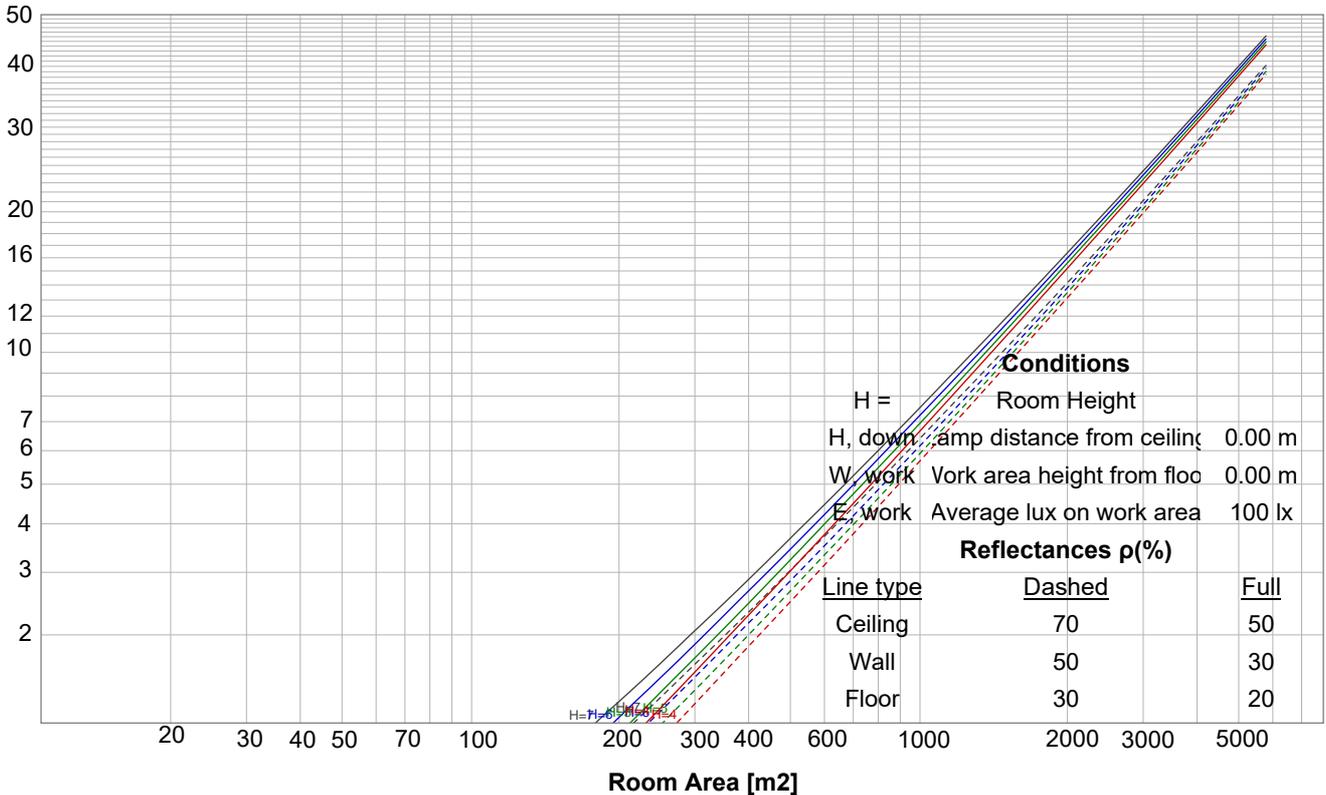


## Beam details

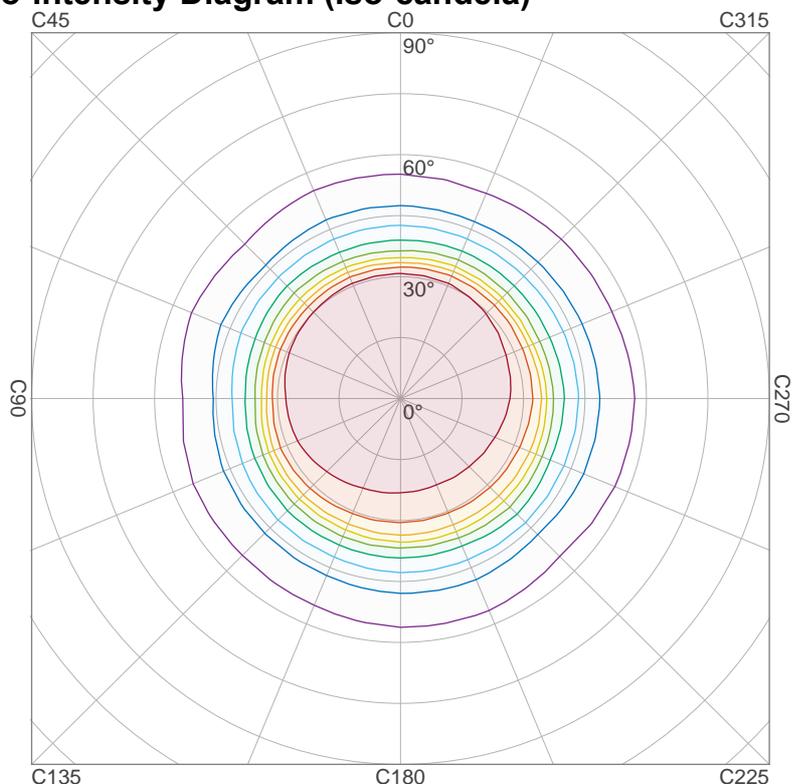


## Luminaire budgetary diagram

LAMPS (number of lamps)



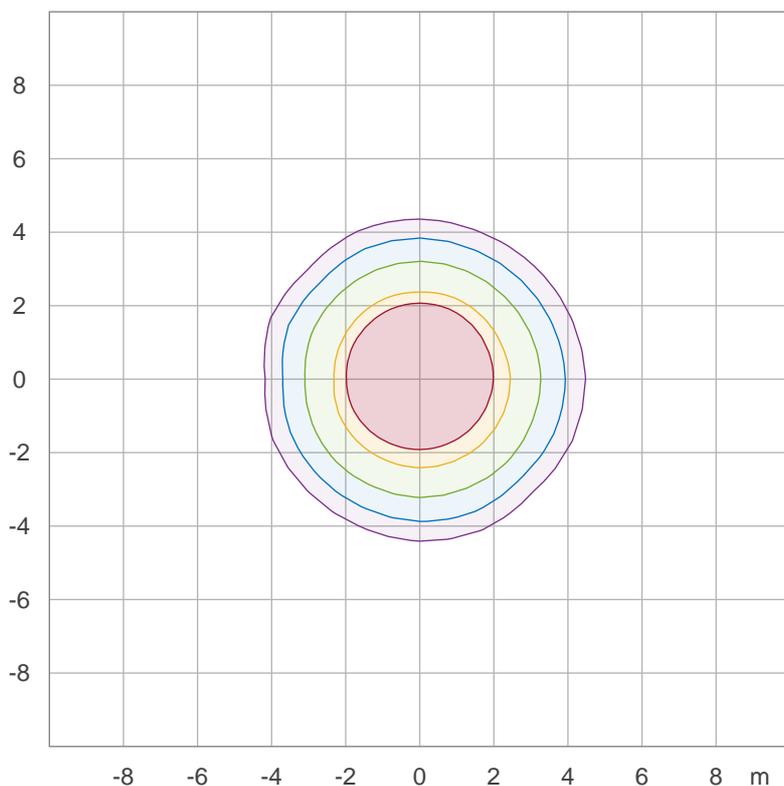
## Iso-intensity Diagram (Iso-candela)



90 %	7431.9 cd
80 %	6606.2 cd
70 %	5780.4 cd
60 %	4954.6 cd
50 %	4128.9 cd
40 %	3303.1 cd
30 %	2477.3 cd
20 %	1651.5 cd
10 %	825.8 cd

Peak intensity: 8257.7 cd  
 Number of c-planes: 16

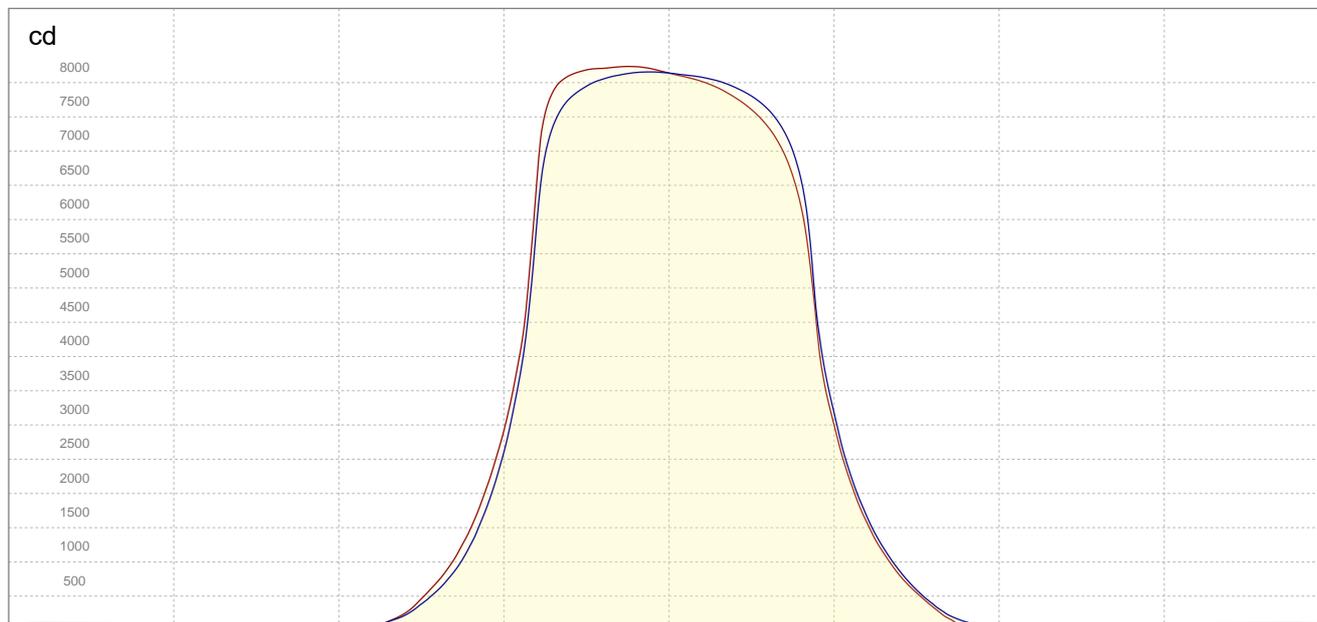
## Iso-illuminance Diagram (Iso-lux)



50.0 %	453 lx
30.0 %	272 lx
10.0 %	90.6 lx
5.0 %	45.3 lx
3.0 %	27.2 lx

Peak illuminance: 906 lx  
 Mounting height: 3 m  
 Number of c-planes: 16

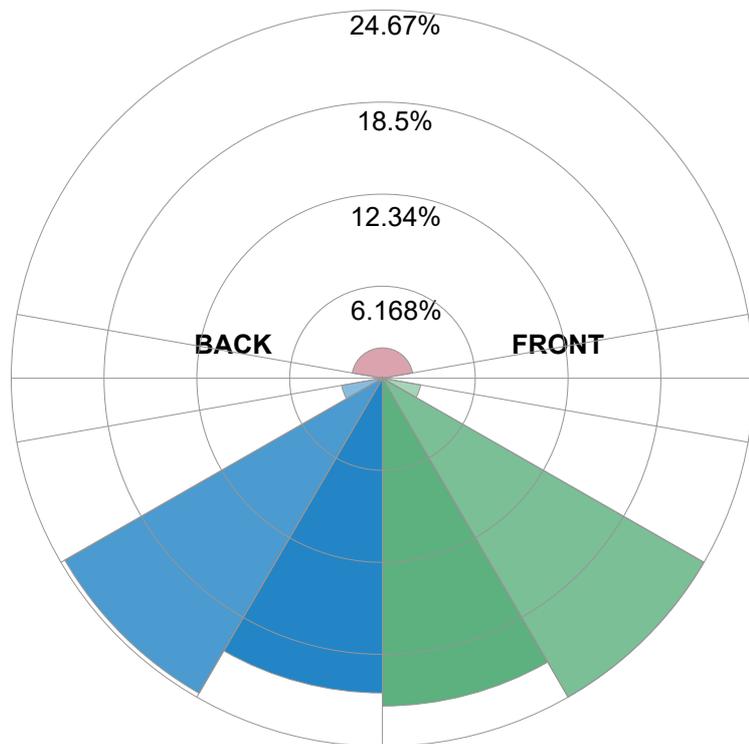
## Linear intensity distribution diagram



— C0 - C180  
— C90 - C270

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

BUG rating B4 U3 G1



### Forward Light

Low (0-30°)	3392	lm	21.97%
Medium (30-60°)	3809	lm	24.67%
High (60-80°)	397.8	lm	2.577%
Very High (80-90°)	22	lm	0.1425%

### Back Light

Low (0-30°)	3256	lm	21.09%
Medium (30-60°)	3763	lm	24.38%
High (60-80°)	424.9	lm	2.752%
Very High (80-90°)	24.47	lm	0.1585%

### Uplight

Low (90-100°)	35.04	lm	0.227%
High (100-180°)	314.2	lm	2.035%

### Total

Sum	15440	lm	100%
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