

## 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}°  
116.1 W

## Tested Light Source

Luminaire  
Basic Luminous Shape  
Item No.  
Manufacturer

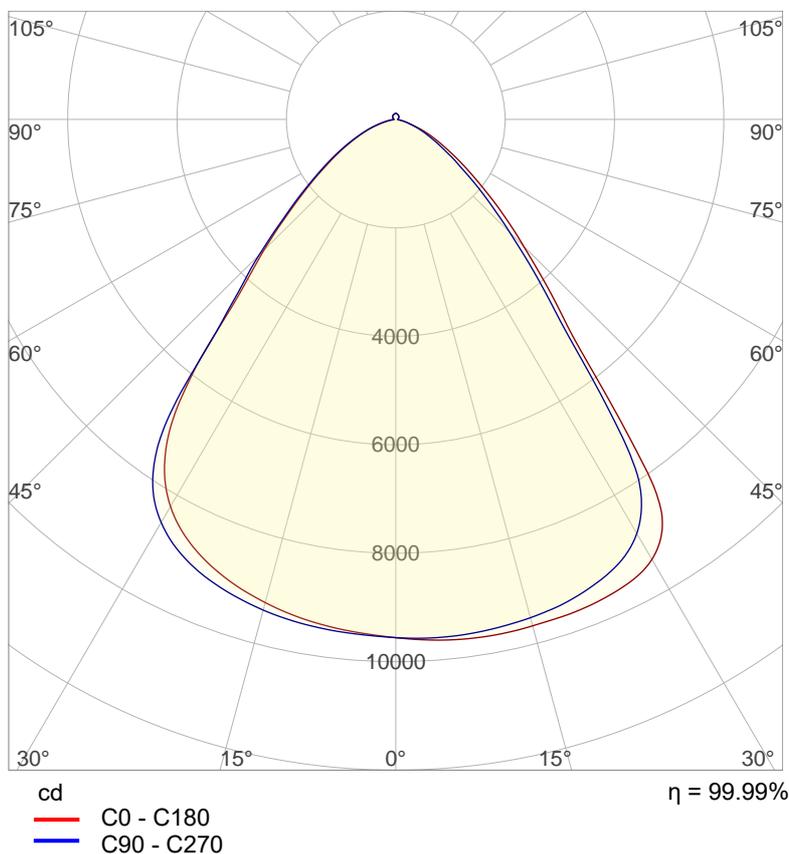
Orbix UFO High Bay - OBX-HB-RD150-01  
SPOT  
Grizzly Lighting Systems

## Main Light Measurement Results

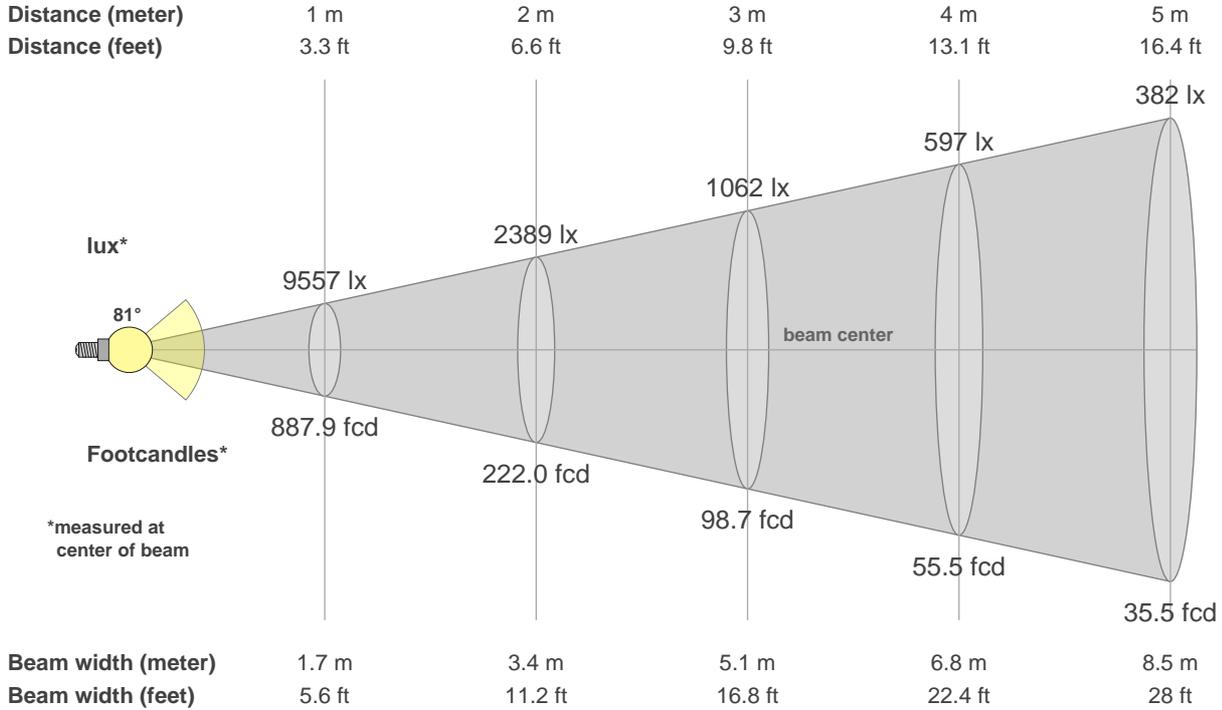
Output – Total Lumen (Up% / Down%)  
Efficiency  
Peak Intensity  
Correlated Color Temperature, CCT  
Color Rendering Index

17830 lm – 2.265% / 97.73%  
153.6 lm/W  
9709 cd  
5000 K  
CRI 85

## Polar light distribution diagram

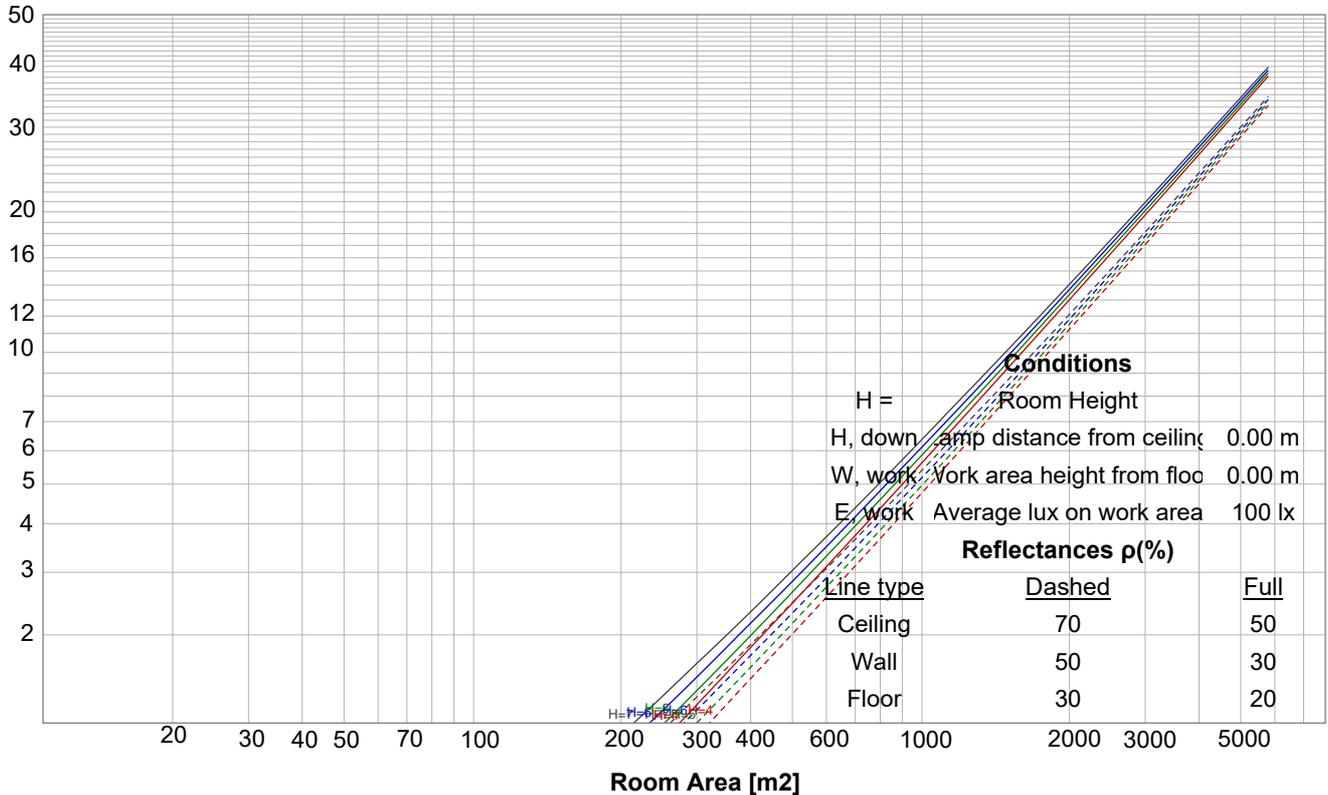


## Beam details

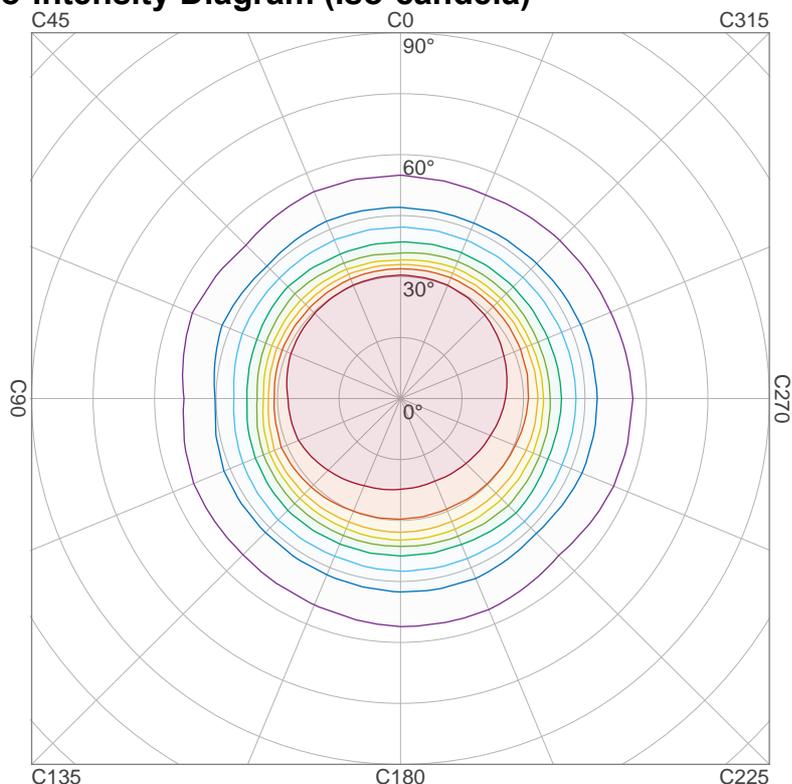


## Luminaire budgetary diagram

LAMPS (number of lamps)



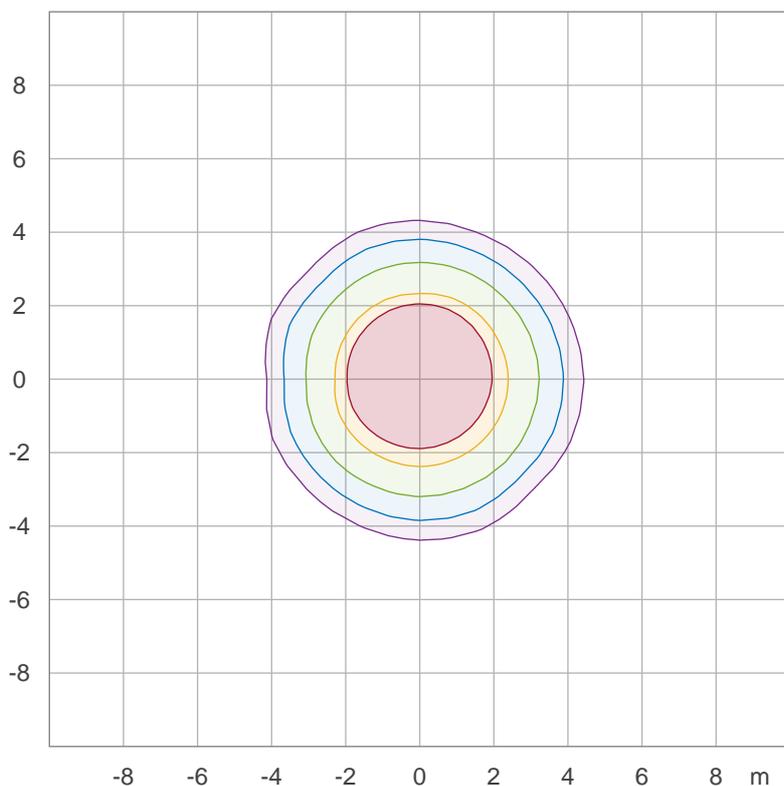
## Iso-intensity Diagram (Iso-candela)



90 %	8738.5 cd
80 %	7767.5 cd
70 %	6796.6 cd
60 %	5825.6 cd
50 %	4854.7 cd
40 %	3883.8 cd
30 %	2912.8 cd
20 %	1941.9 cd
10 %	970.9 cd

Peak intensity: 9709.4 cd  
 Number of c-planes: 16

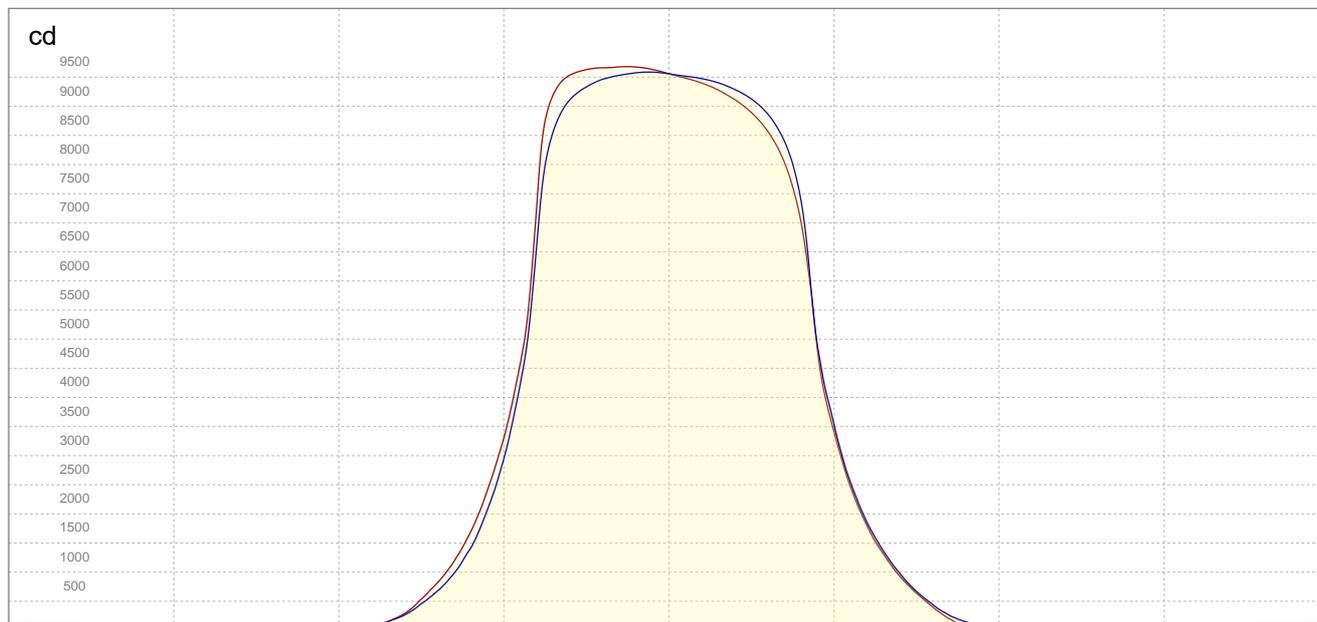
## Iso-illuminance Diagram (Iso-lux)



50.0 %	532 lx
30.0 %	319 lx
10.0 %	106 lx
5.0 %	53.2 lx
3.0 %	31.9 lx

Peak illuminance: 1060 lx  
 Mounting height: 3 m  
 Number of c-planes: 16

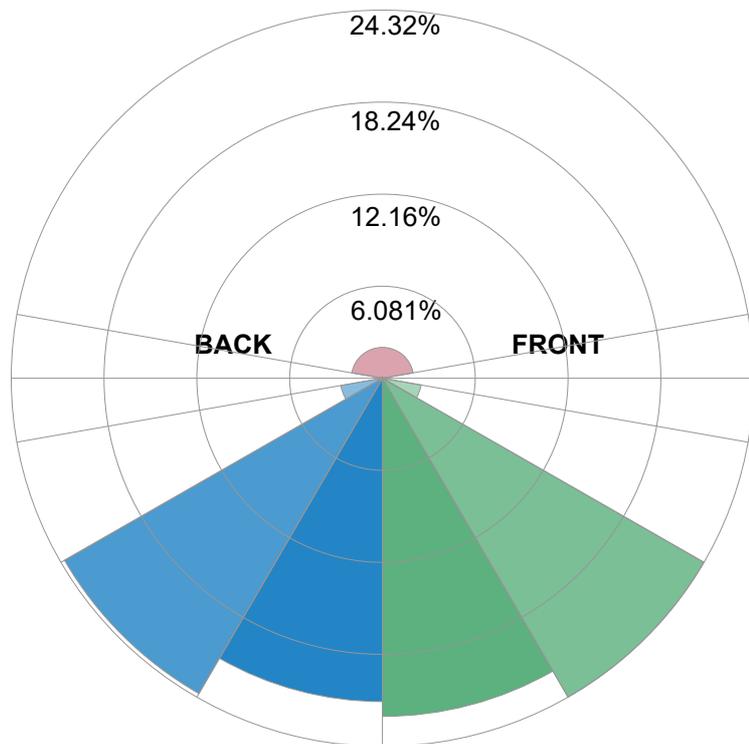
## Linear intensity distribution diagram



— C0 - C180  
— C90 - C270

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

BUG rating B4 U3 G1



### Forward Light

Low (0-30°)	3983	lm	22.34%
Medium (30-60°)	4337	lm	24.32%
High (60-80°)	459.1	lm	2.575%
Very High (80-90°)	25.8	lm	0.1447%

### Back Light

Low (0-30°)	3809	lm	21.36%
Medium (30-60°)	4289	lm	24.05%
High (60-80°)	493.5	lm	2.768%
Very High (80-90°)	28.96	lm	0.1624%

### Uplight

Low (90-100°)	40.23	lm	0.2256%
High (100-180°)	363.7	lm	2.039%

### Total

Sum	17830	lm	100%
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