

# 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}°  
110.8 W

## Tested Light Source

Luminaire  
Basic Luminous Shape  
Item No.  
Manufacturer

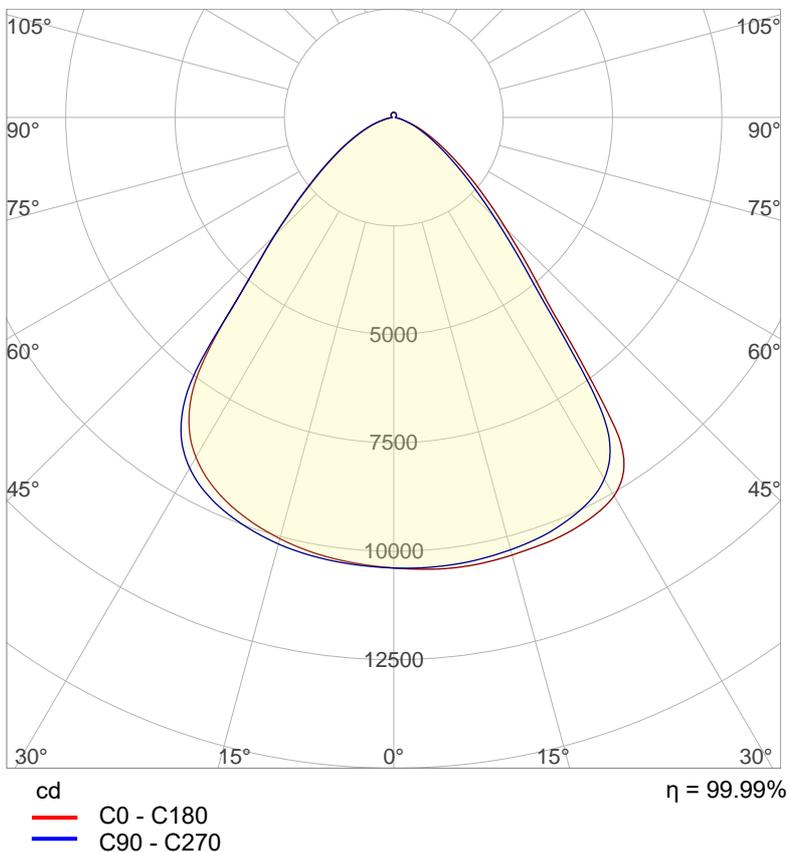
Orbix UFO High Bay - OBX-HB-RD150-01  
SPOT  
Grizzly Lighting Systems

## Main Light Measurement Results

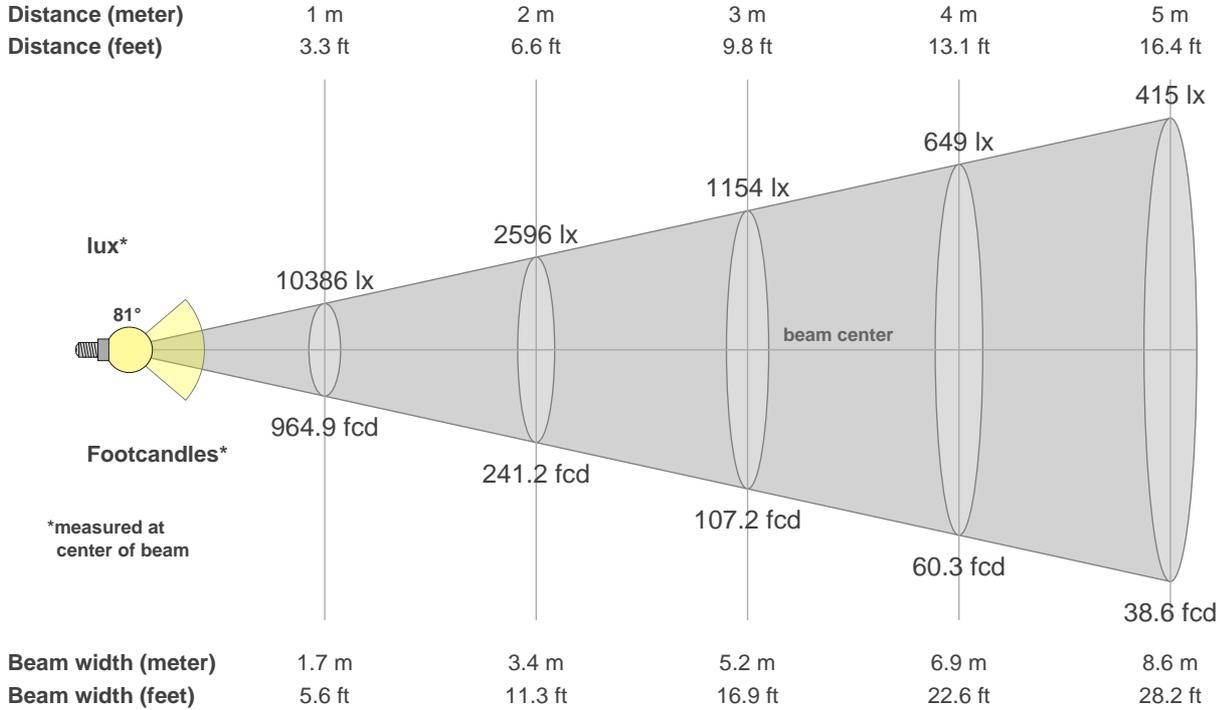
Output – Total Lumen (Up% / Down%)  
Efficiency  
Peak Intensity  
Correlated Color Temperature, CCT  
Color Rendering Index

19490 lm – 2.266% / 97.73%  
175.9 lm/W  
10500 cd  
4000 K  
CRI 85

## Polar light distribution diagram

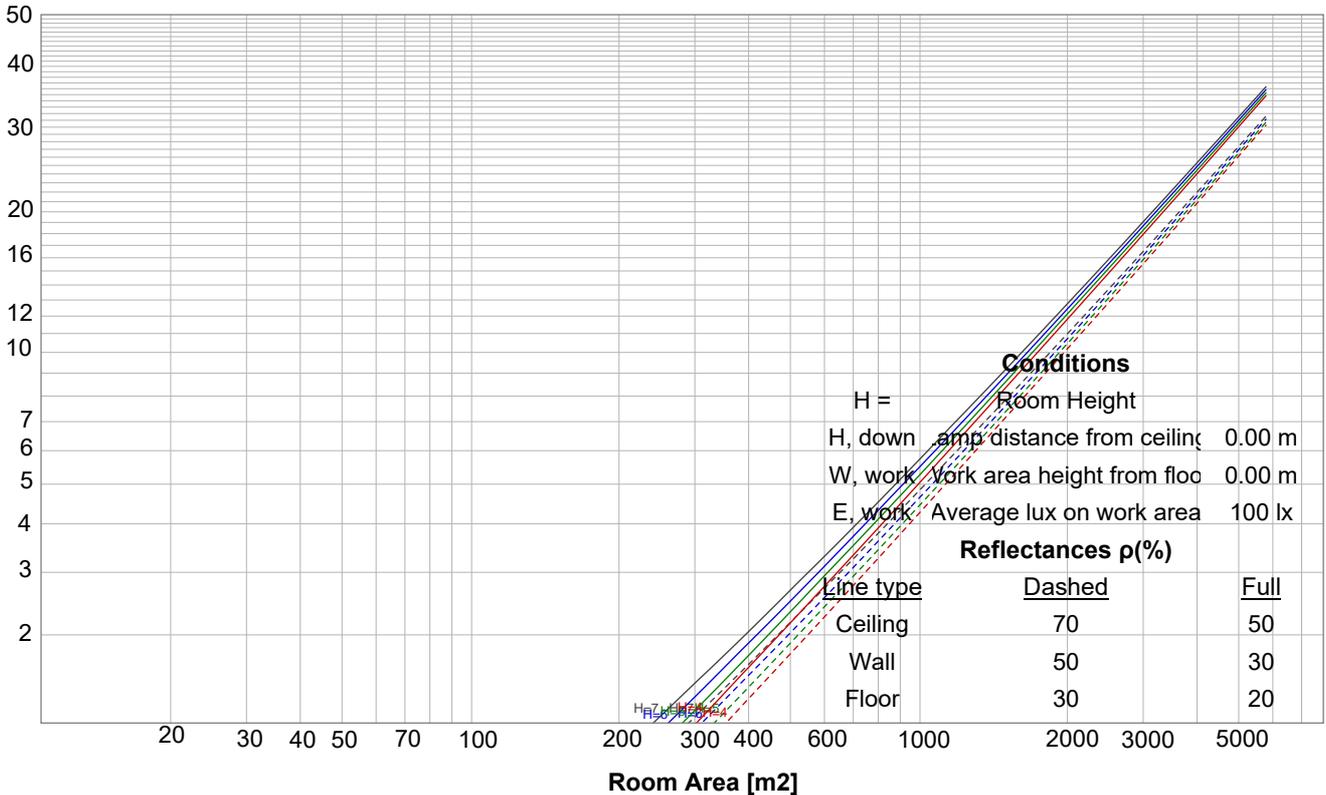


## Beam details

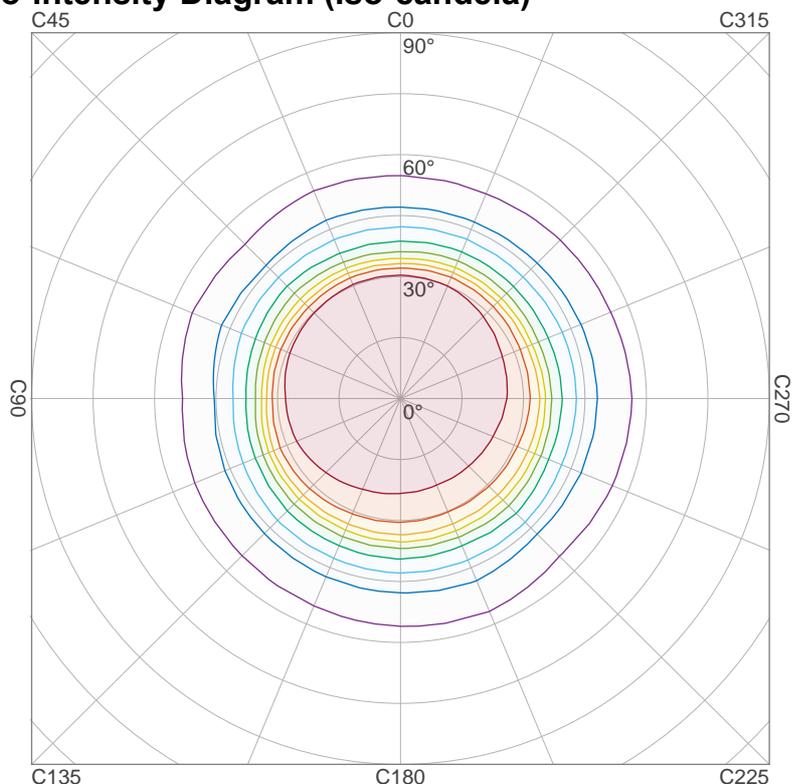


## Luminaire budgetary diagram

LAMPS (number of lamps)



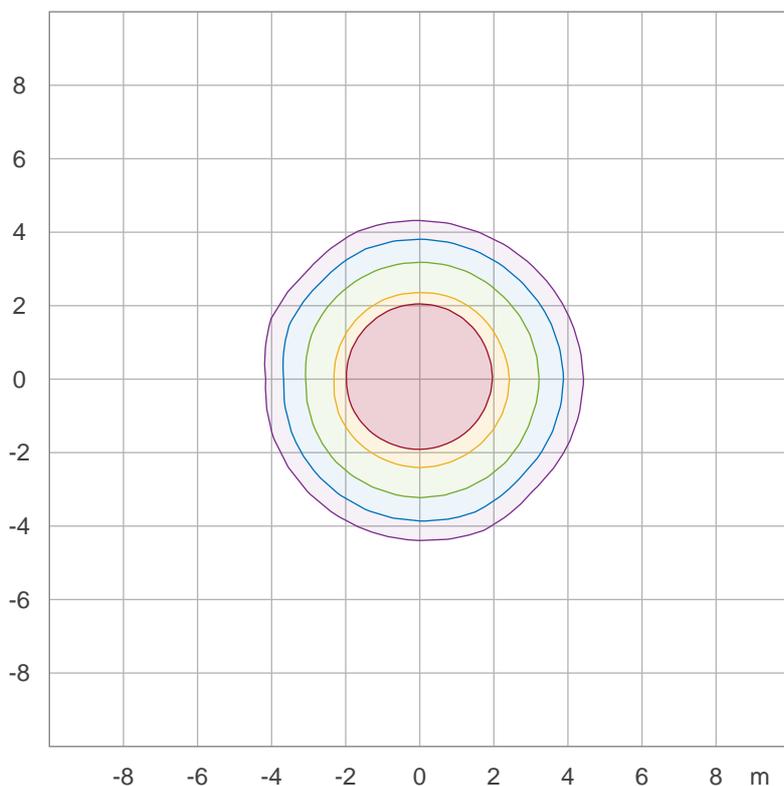
## Iso-intensity Diagram (Iso-candela)



90 %	9454.5 cd
80 %	8404.0 cd
70 %	7353.5 cd
60 %	6303.0 cd
50 %	5252.5 cd
40 %	4202.0 cd
30 %	3151.5 cd
20 %	2101.0 cd
10 %	1050.5 cd

Peak intensity: 10505.0 cd  
Number of c-planes: 16

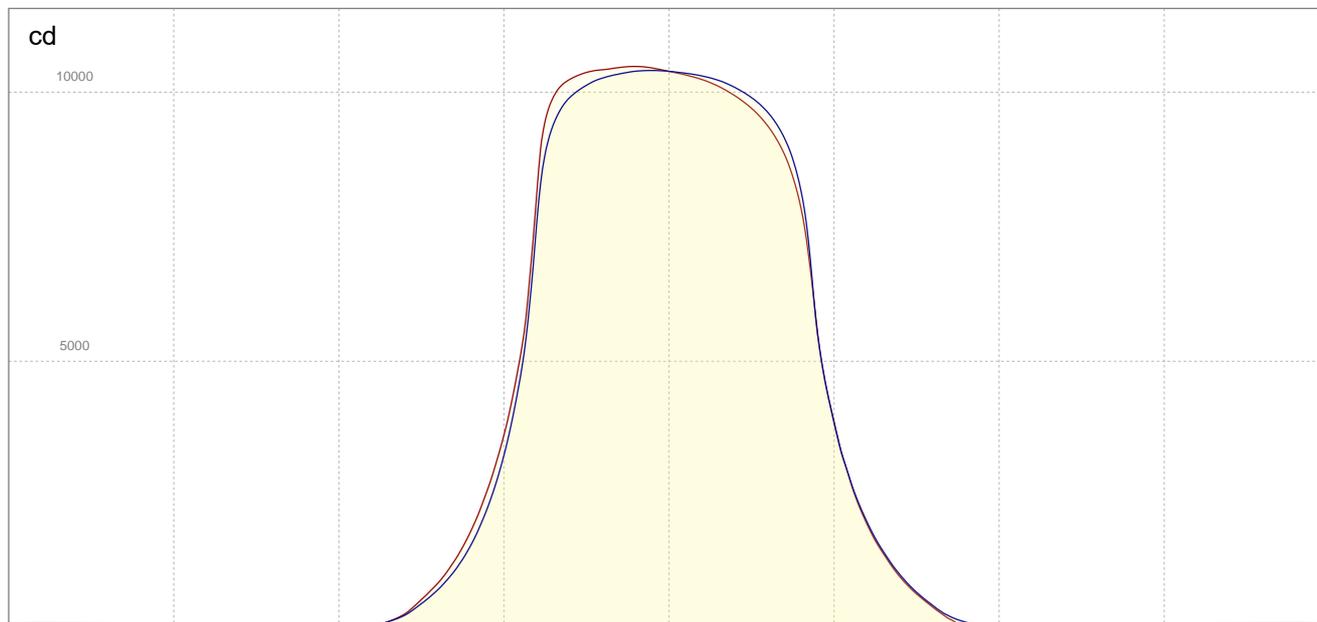
## Iso-illuminance Diagram (Iso-lux)



50.0 %	578 lx
30.0 %	347 lx
10.0 %	116 lx
5.0 %	57.8 lx
3.0 %	34.7 lx

Peak illuminance: 1160 lx  
Mounting height: 3 m  
Number of c-planes: 16

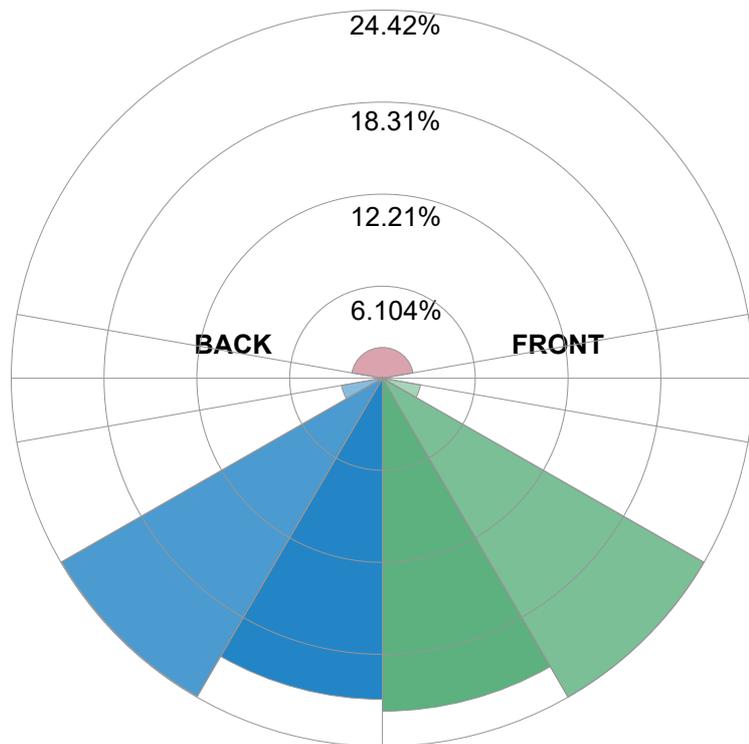
## Linear intensity distribution diagram



— C0 - C180  
— C90 - C270

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

BUG rating B4 U3 G2



### Forward Light

Low (0-30°)	4302	lm	22.08%
Medium (30-60°)	4758	lm	24.42%
High (60-80°)	495.5	lm	2.543%
Very High (80-90°)	27.53	lm	0.1413%

### Back Light

Low (0-30°)	4149	lm	21.29%
Medium (30-60°)	4748	lm	24.37%
High (60-80°)	532.3	lm	2.732%
Very High (80-90°)	30.85	lm	0.1583%

### Uplight

Low (90-100°)	44.13	lm	0.2265%
High (100-180°)	397.5	lm	2.04%

### Total

Sum	19490	lm	100%
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