

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}°
181.4 W

Tested Light Source

Luminaire
Basic Luminous Shape
Item No.
Manufacturer

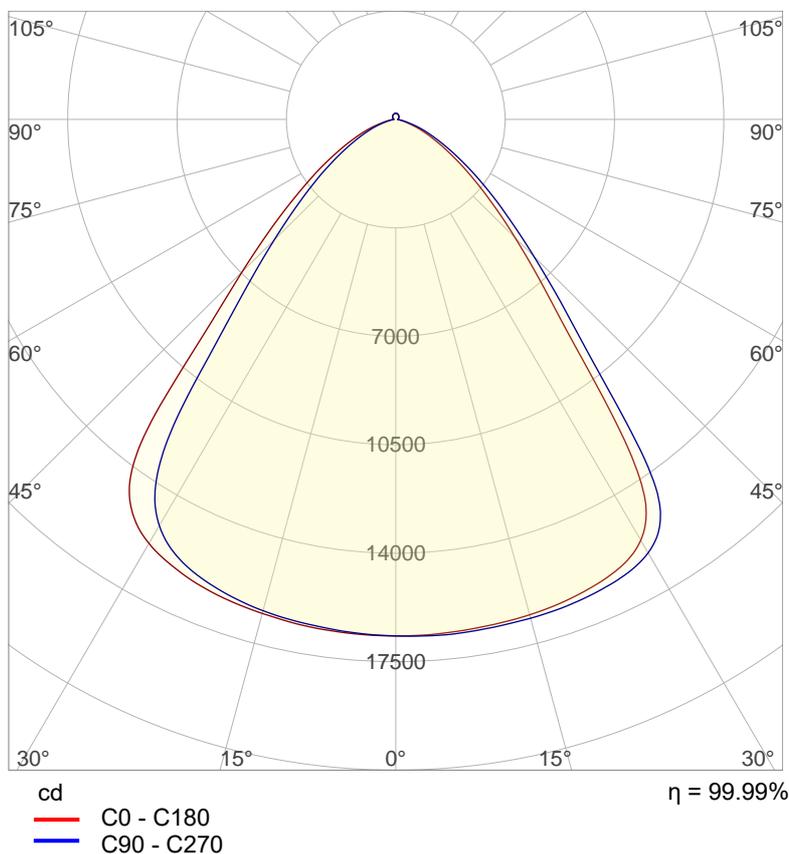
Orbix UFO High Bay - OBX-HB-RD240-01
SPOT
Grizzly Lighting Systems

Main Light Measurement Results

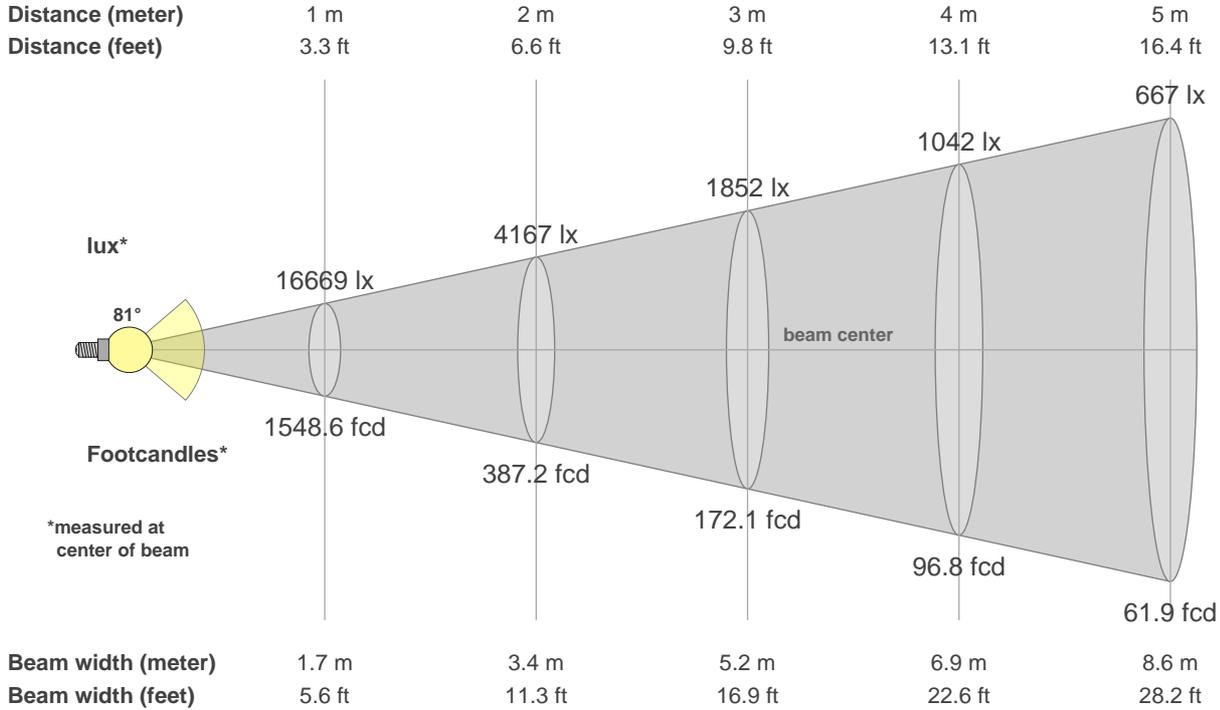
Output – Total Lumen (Up% / Down%)
Efficiency
Peak Intensity
Correlated Color Temperature, CCT
Color Rendering Index

31890 lm – 2.281% / 97.72%
175.8 lm/W
16710 cd
4000 K
CRI 85

Polar light distribution diagram

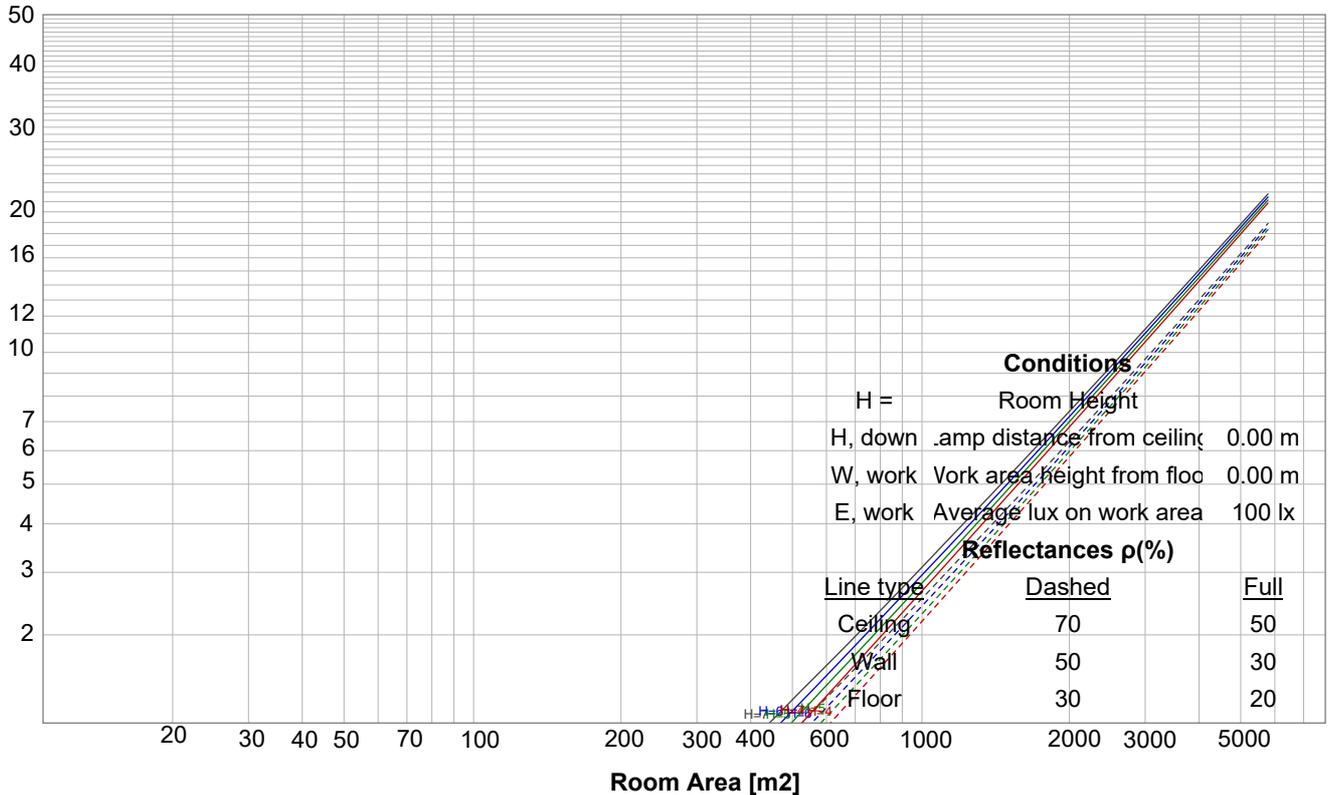


Beam details

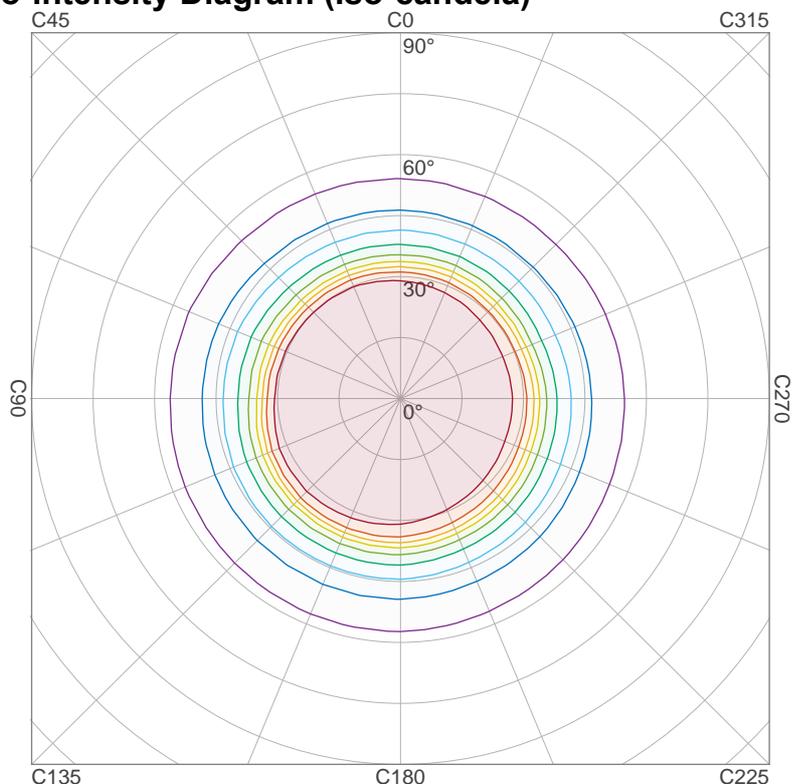


Luminaire budgetary diagram

LAMPS (number of lamps)



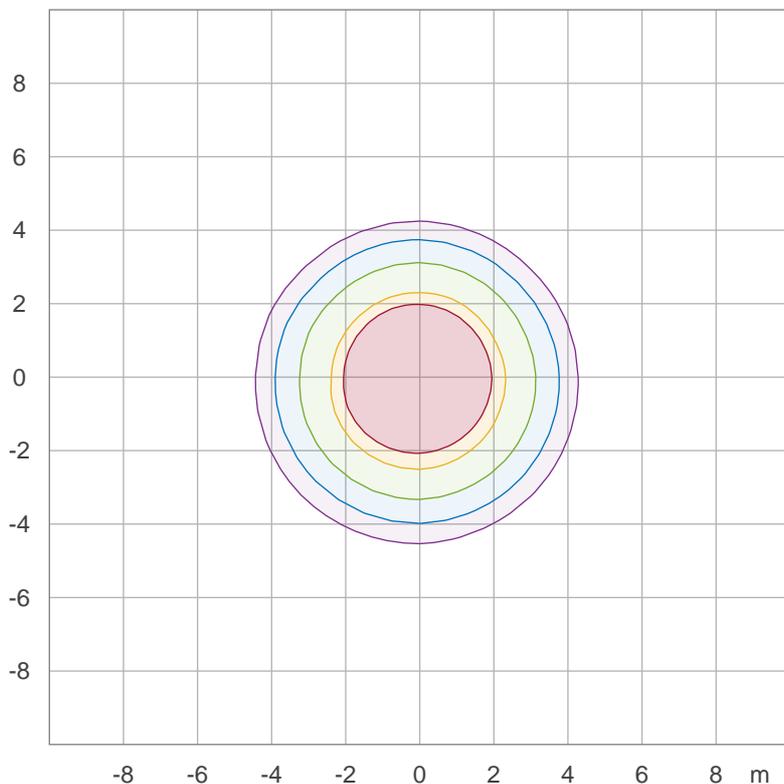
Iso-intensity Diagram (Iso-candela)



90 %	15039.9 cd
80 %	13368.8 cd
70 %	11697.7 cd
60 %	10026.6 cd
50 %	8355.5 cd
40 %	6684.4 cd
30 %	5013.3 cd
20 %	3342.2 cd
10 %	1671.1 cd

Peak intensity: 16711.0 cd
Number of c-planes: 16

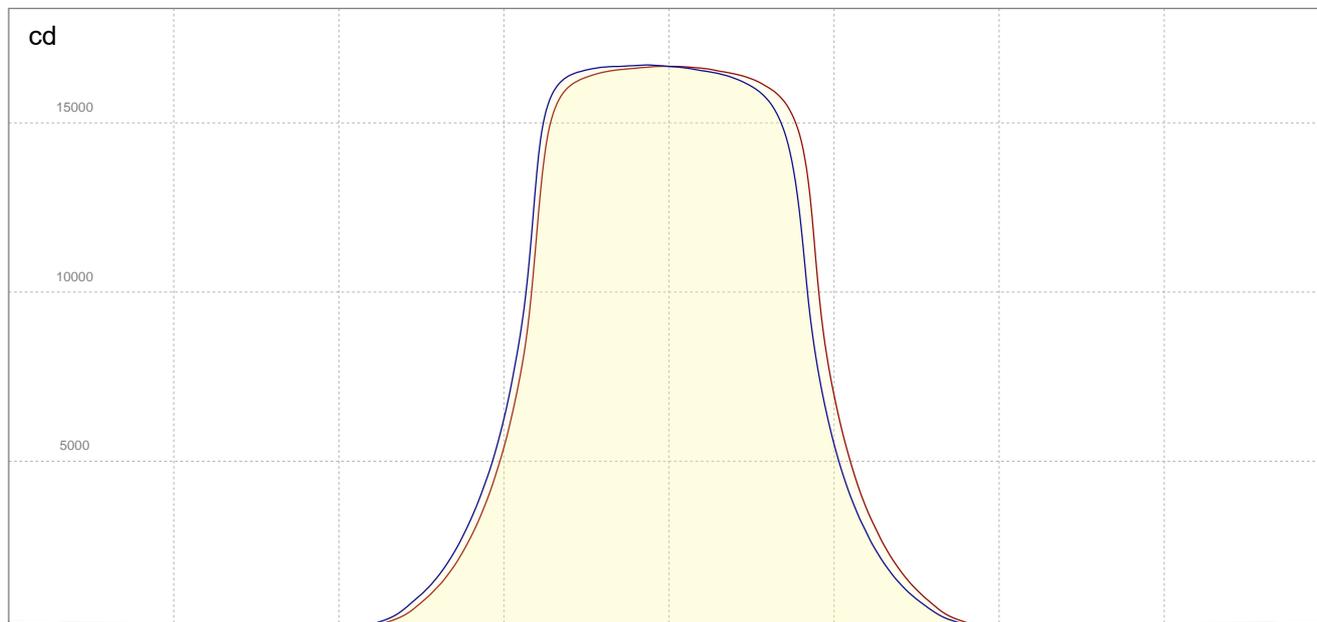
Iso-illuminance Diagram (Iso-lux)



50.0 %	926 lx
30.0 %	556 lx
10.0 %	185 lx
5.0 %	92.6 lx
3.0 %	55.6 lx

Peak illuminance: 1850 lx
Mounting height: 3 m
Number of c-planes: 16

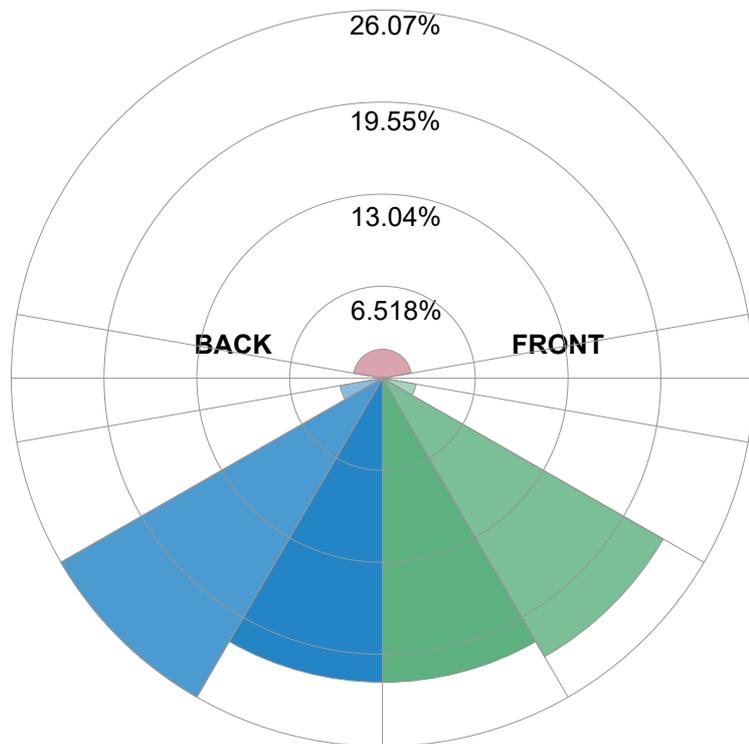
Linear intensity distribution diagram



— C0 - C180
 — C90 - C270

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

BUG rating B5 U4 G2



Forward Light

Low (0-30°)	6868	lm	21.54%
Medium (30-60°)	7263	lm	22.77%
High (60-80°)	767	lm	2.405%
Very High (80-90°)	51.11	lm	0.1603%

Back Light

Low (0-30°)	6865	lm	21.53%
Medium (30-60°)	8314	lm	26.07%
High (60-80°)	964.8	lm	3.025%
Very High (80-90°)	69.78	lm	0.2188%

Uplight

Low (90-100°)	72.52	lm	0.2274%
High (100-180°)	654.9	lm	2.054%

Total

Sum	31890	lm	100%
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