

Test report

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}°
94.73 W

Tested Light Source

Luminaire
Basic Luminous Shape
Item No.
Manufacturer

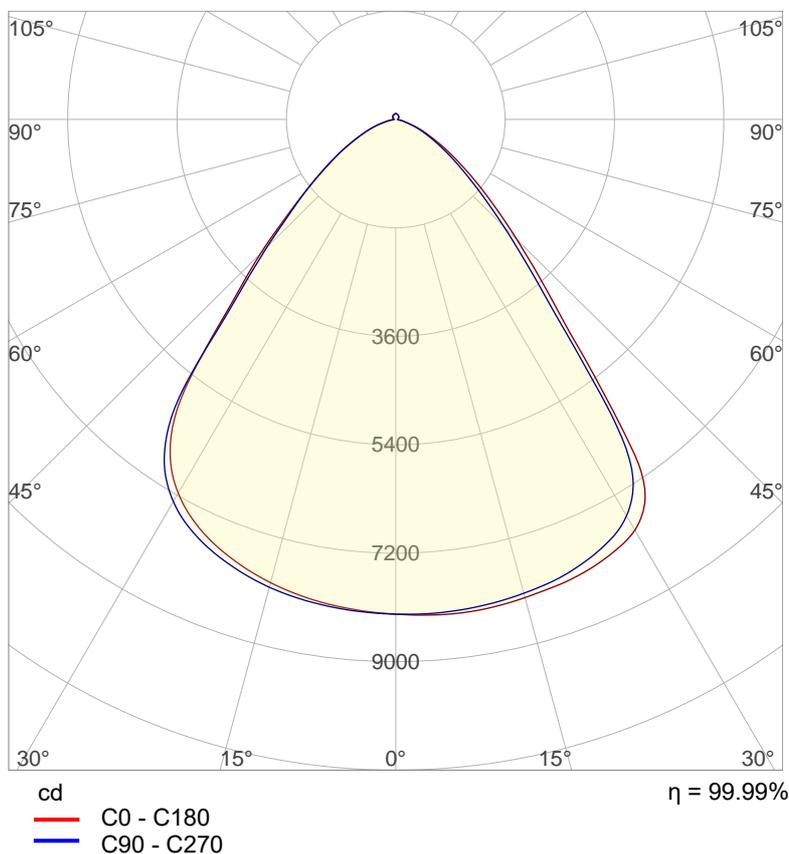
Orbix UFO High Bay - OBX-HB-RD150-01
SPOT
Grizzly Lighting Systems

Main Light Measurement Results

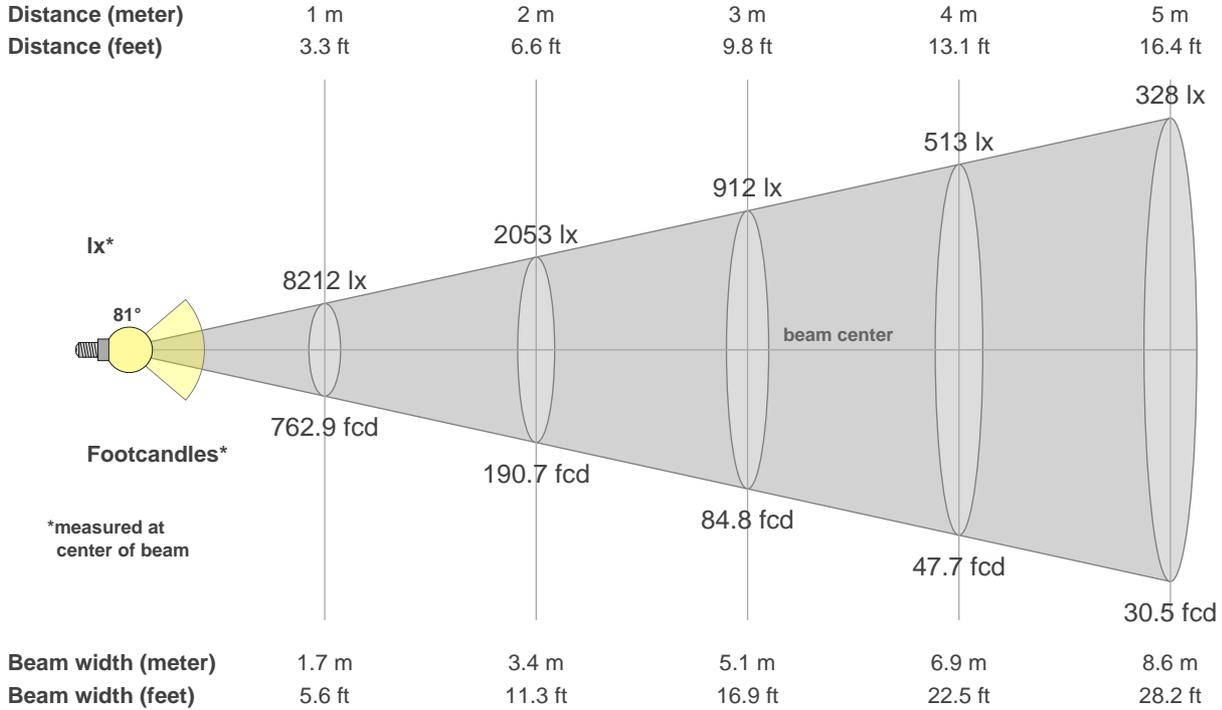
Output – Total Lumen (Up% / Down%)
Efficiency
Peak Intensity
Correlated Color Temperature, CCT
Color Rendering Index

15320 lm – 2.269% / 97.73%
161.7 lm/W
8279 cd
3500 K
CRI 85

Polar light distribution diagram

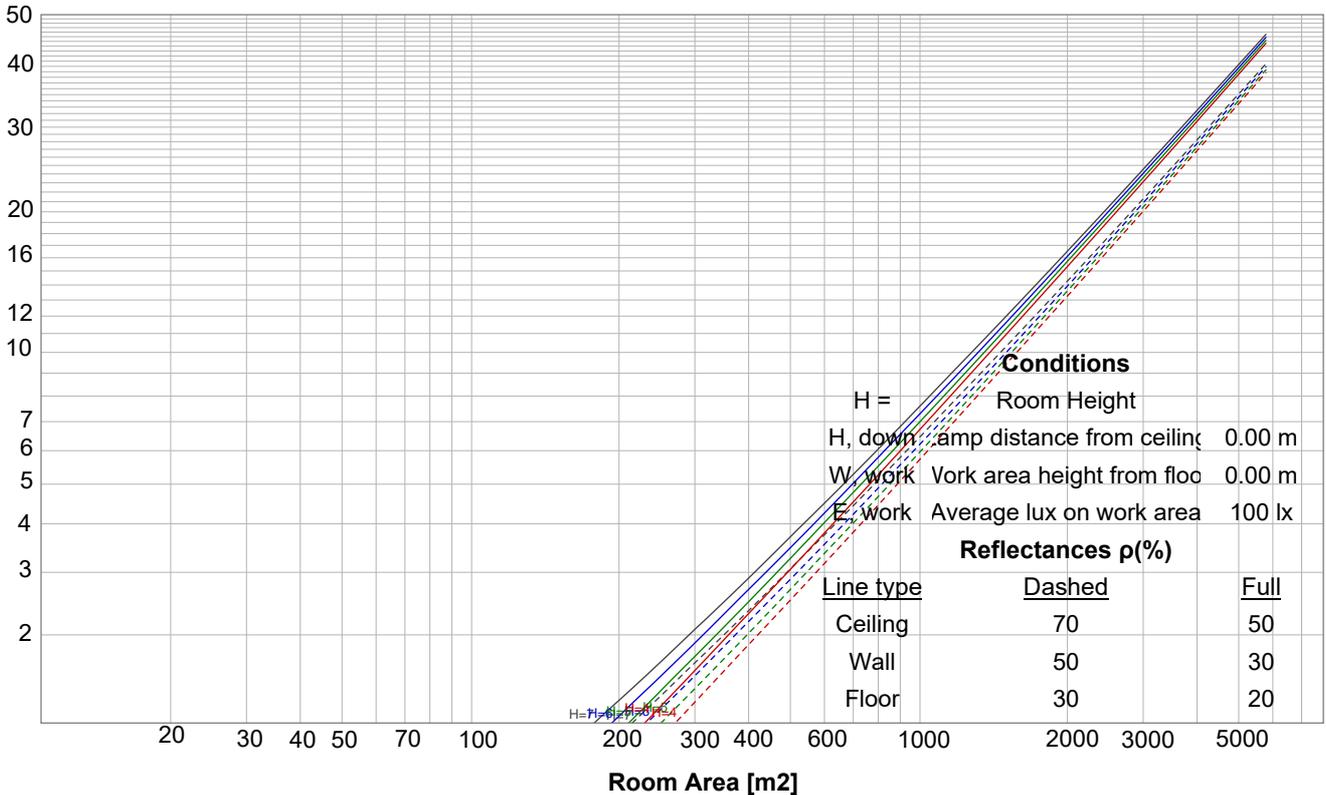


Beam details

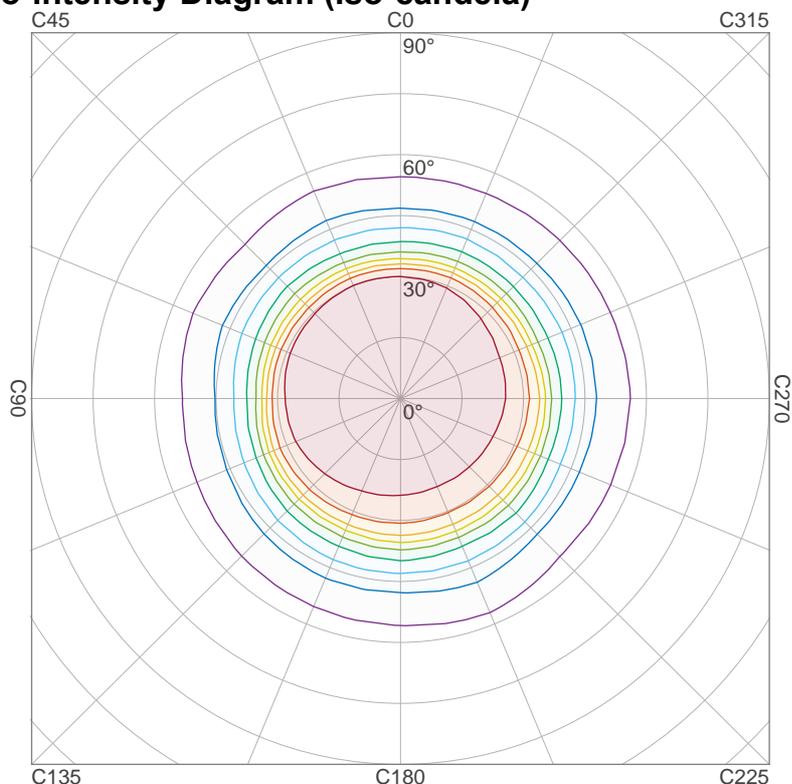


Luminaire budgetary diagram

LAMPS (number of lamps)



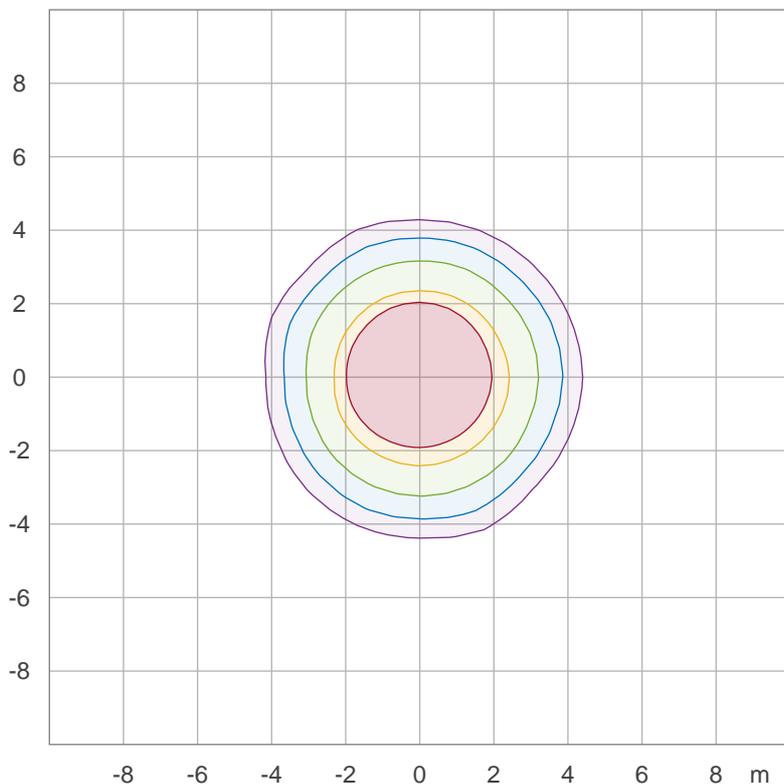
Iso-intensity Diagram (Iso-candela)



90 %	7451.1 cd
80 %	6623.2 cd
70 %	5795.3 cd
60 %	4967.4 cd
50 %	4139.5 cd
40 %	3311.6 cd
30 %	2483.7 cd
20 %	1655.8 cd
10 %	827.9 cd

Peak intensity: 8279.0 cd
 Number of c-planes: 16

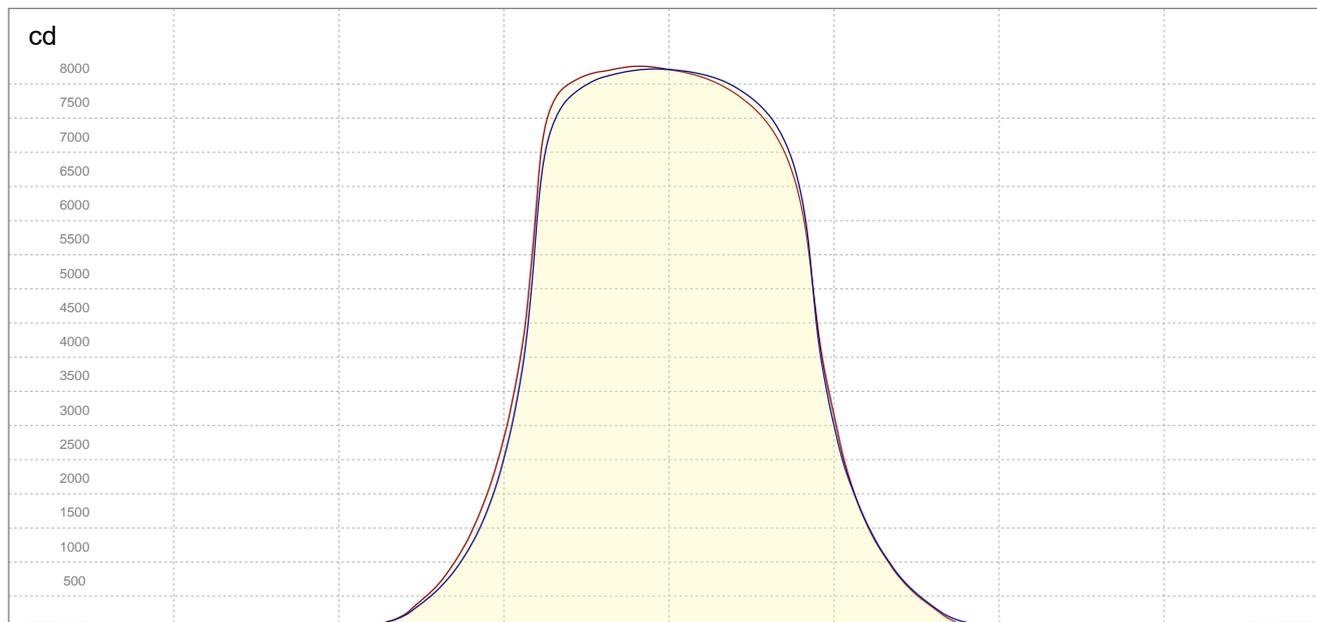
Iso-illuminance Diagram (Iso-lux)



50.0 %	457 lx
30.0 %	274 lx
10.0 %	91.3 lx
5.0 %	45.7 lx
3.0 %	27.4 lx

Peak illuminance: 913 lx
 Mounting height: 3 m
 Number of c-planes: 16

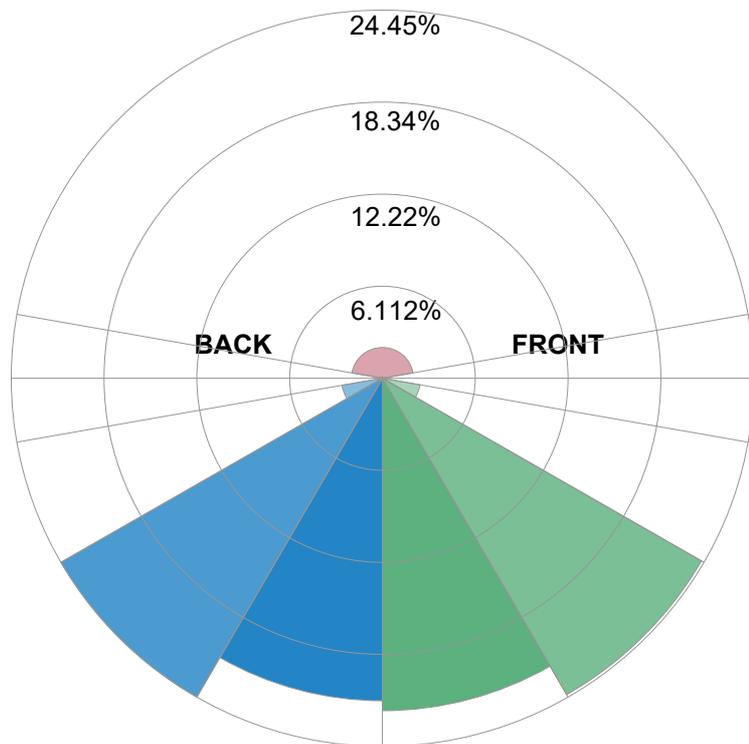
Linear intensity distribution diagram



— C0 - C180
— C90 - C270

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

BUG rating -1



Forward Light

Low (0-30°)	3381	lm	22.08%
Medium (30-60°)	3716	lm	24.26%
High (60-80°)	385.2	lm	2.515%
Very High (80-90°)	21.45	lm	0.14%

Back Light

Low (0-30°)	3280	lm	21.42%
Medium (30-60°)	3744	lm	24.45%
High (60-80°)	414.5	lm	2.706%
Very High (80-90°)	24.12	lm	0.1575%

Uplight

Low (90-100°)	34.67	lm	0.2264%
High (100-180°)	312.9	lm	2.043%

Total

Sum	15320	lm	100%
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