

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}°
116.5 W

Tested Light Source

Luminaire
Basic Luminous Shape
Item No.
Manufacturer

Orbix UFO High Bay - OBX-HB-RD150-01
SPOT

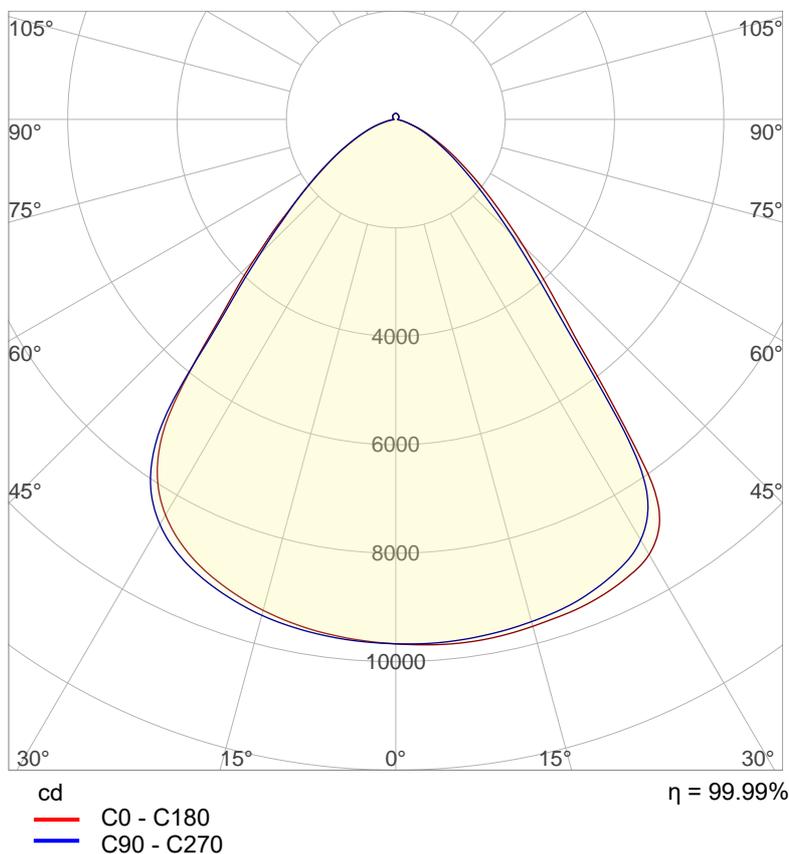
Grizzly Lighting Systems

Main Light Measurement Results

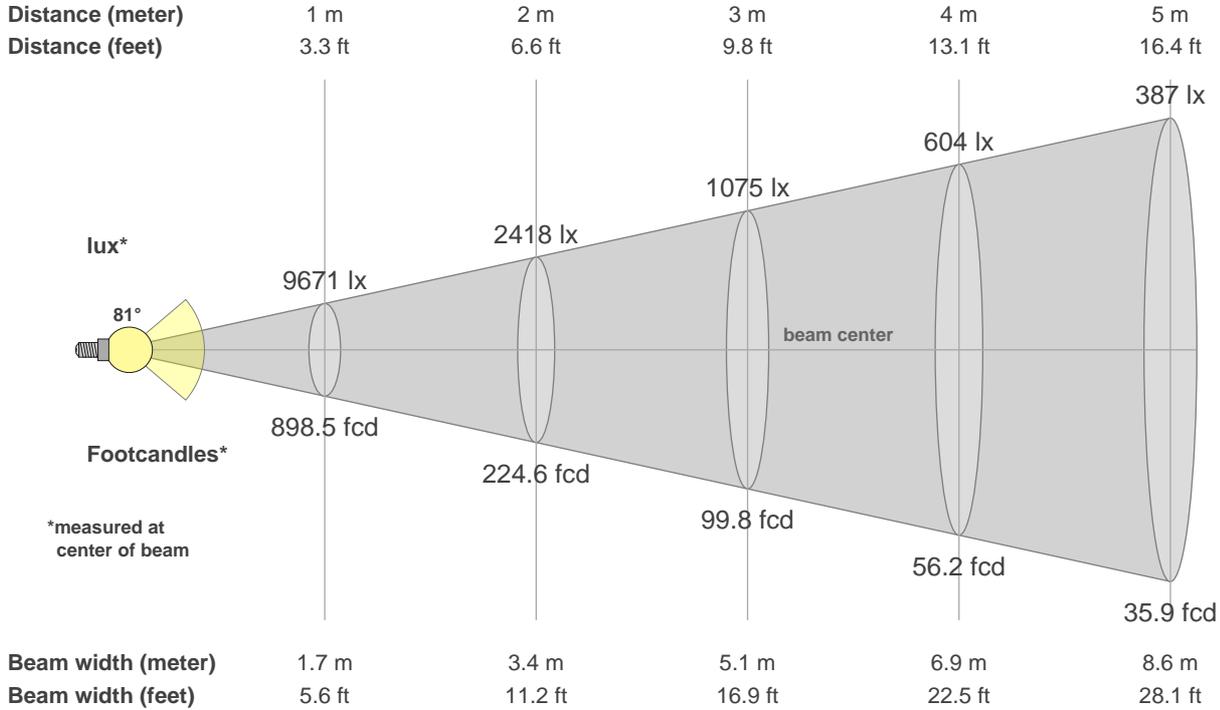
Output – Total Lumen (Up% / Down%)
Efficiency
Peak Intensity
Correlated Color Temperature, CCT
Color Rendering Index

18010 lm – 2.27% / 97.73%
154.6 lm/W
9751 cd
3500 K
CRI 85

Polar light distribution diagram

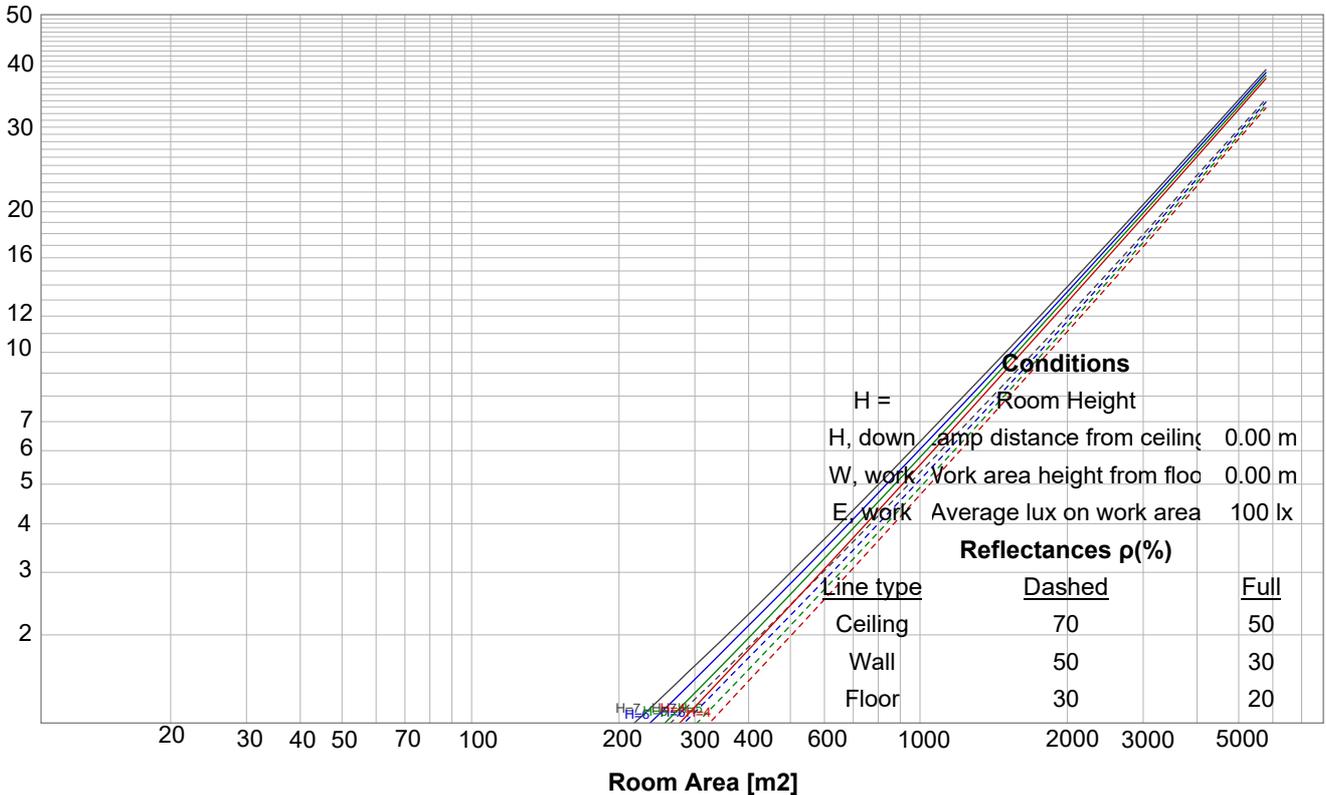


Beam details

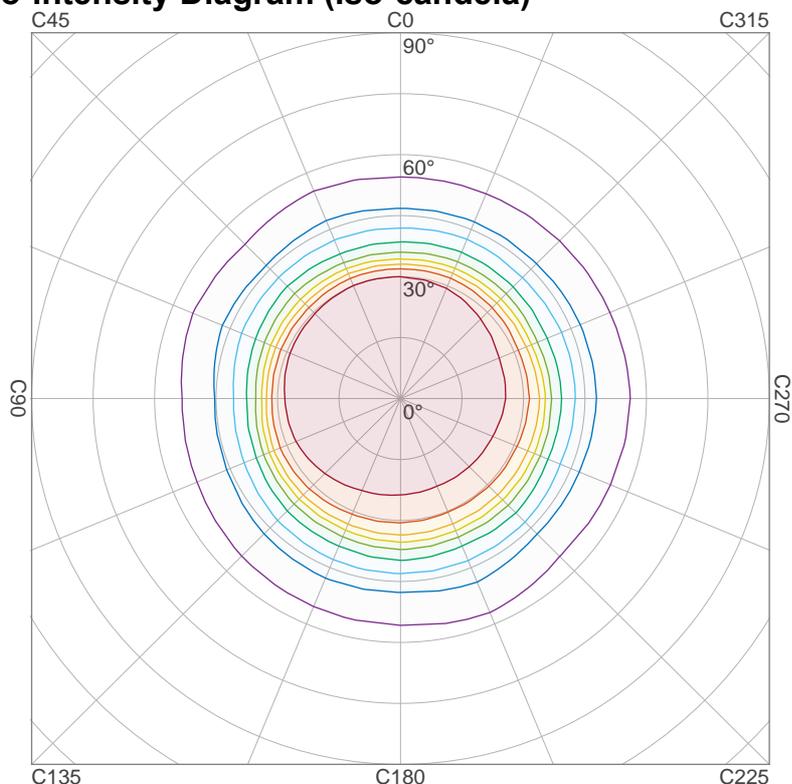


Luminaire budgetary diagram

LAMPS (number of lamps)



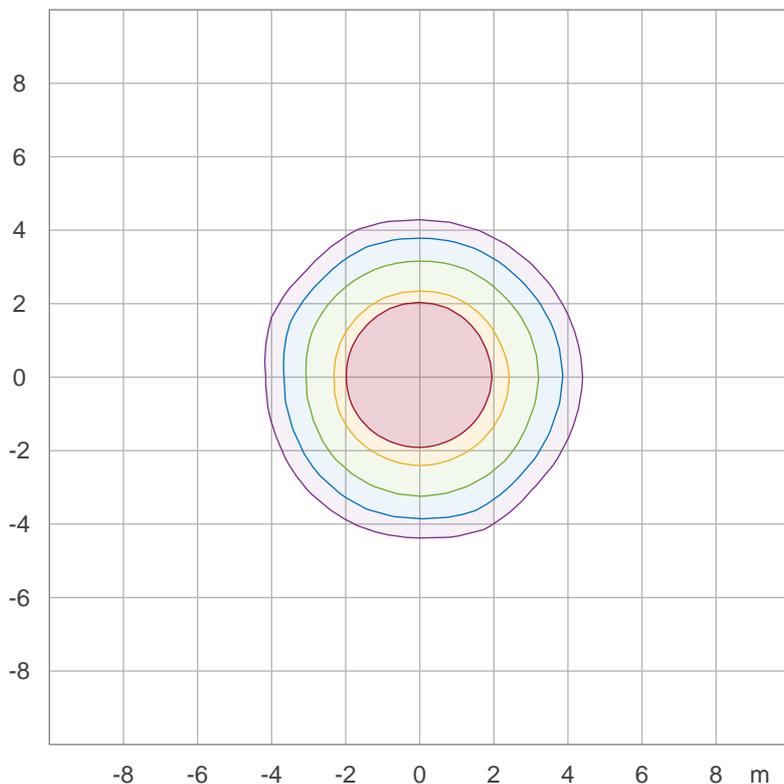
Iso-intensity Diagram (Iso-candela)



90 %	8776.2 cd
80 %	7801.0 cd
70 %	6825.9 cd
60 %	5850.8 cd
50 %	4875.7 cd
40 %	3900.5 cd
30 %	2925.4 cd
20 %	1950.3 cd
10 %	975.1 cd

Peak intensity: 9751.3 cd
 Number of c-planes: 16

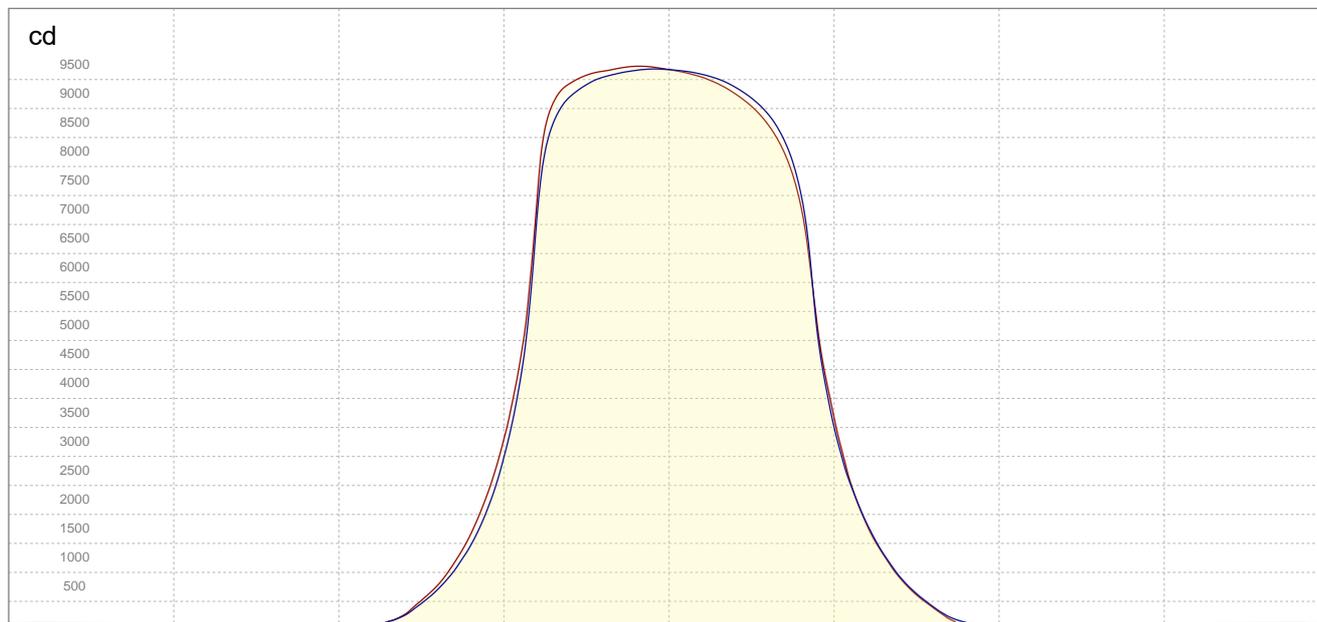
Iso-illuminance Diagram (Iso-lux)



50.0 %	538 lx
30.0 %	323 lx
10.0 %	108 lx
5.0 %	53.8 lx
3.0 %	32.3 lx

Peak illuminance: 1080 lx
 Mounting height: 3 m
 Number of c-planes: 16

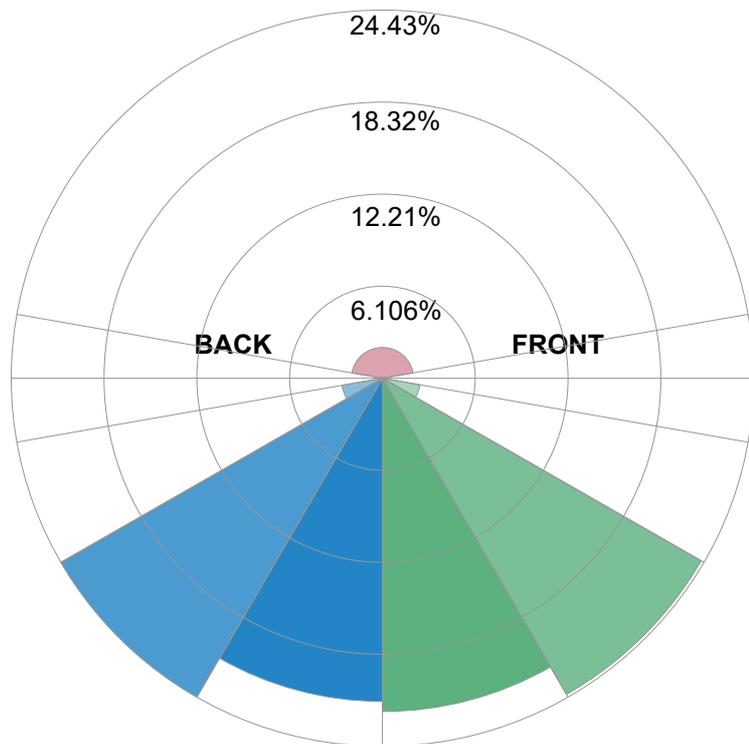
Linear intensity distribution diagram



— C0 - C180
— C90 - C270

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

BUG rating B4 U3 G1



Forward Light

Low (0-30°)	3982	lm	22.11%
Medium (30-60°)	4362	lm	24.22%
High (60-80°)	452.6	lm	2.513%
Very High (80-90°)	25.2	lm	0.14%

Back Light

Low (0-30°)	3862	lm	21.45%
Medium (30-60°)	4398	lm	24.43%
High (60-80°)	488.1	lm	2.71%
Very High (80-90°)	28.37	lm	0.1575%

Uplight

Low (90-100°)	40.74	lm	0.2262%
High (100-180°)	368	lm	2.043%

Total

Sum	18010	lm	100%
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