

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}°
91.16 W

Tested Light Source

Luminaire
Basic Luminous Shape
Item No.
Manufacturer

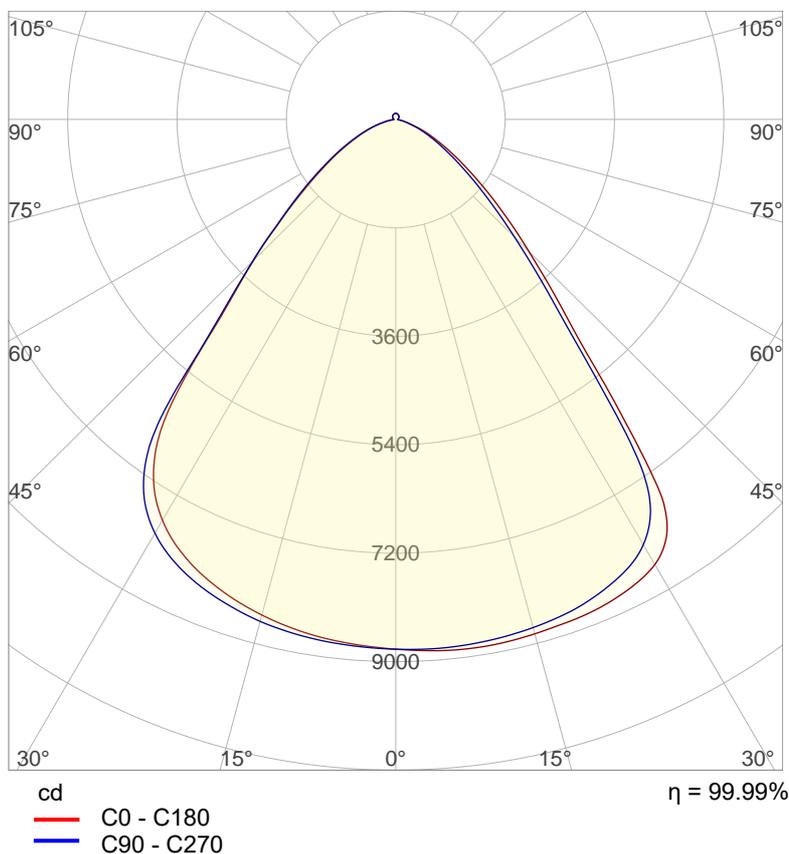
Orbix UFO High Bay - OBX-HB-RD150-01
SPOT
Grizzly Lighting Systems

Main Light Measurement Results

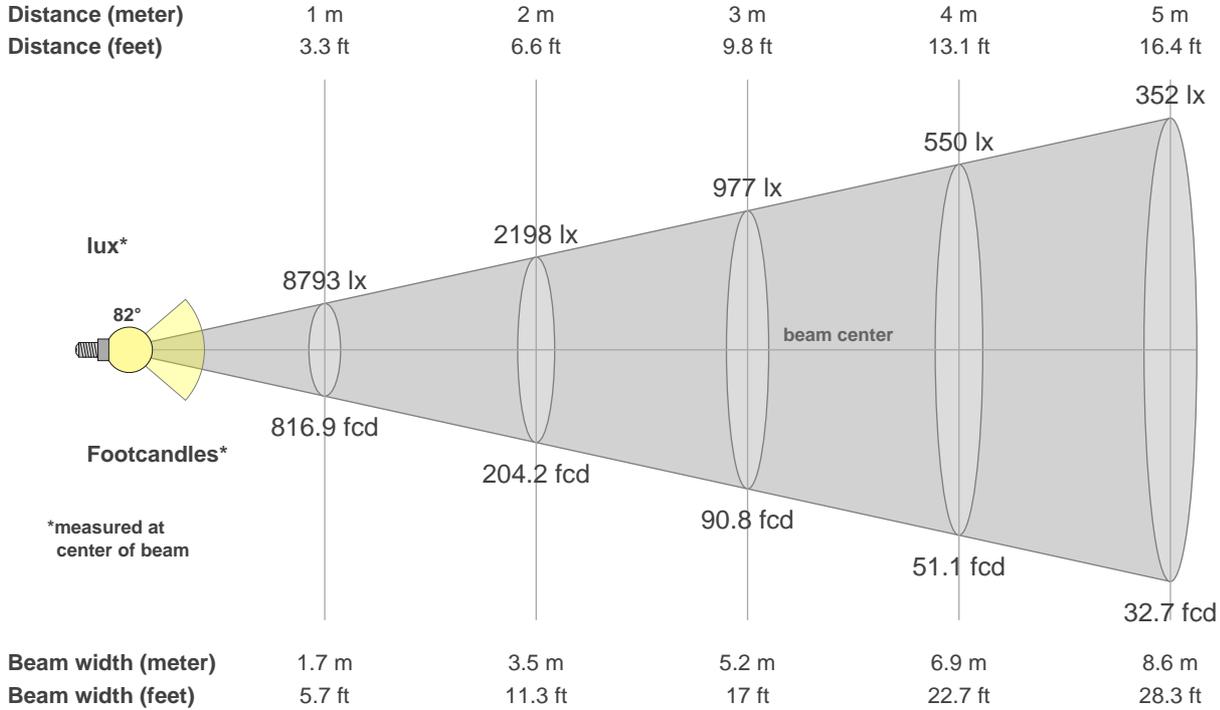
Output – Total Lumen (Up% / Down%)
Efficiency
Peak Intensity
Correlated Color Temperature, CCT
Color Rendering Index

16560 lm – 2.265% / 97.73%
181.7 lm/W
8890 cd
4000 K
CRI 85

Polar light distribution diagram

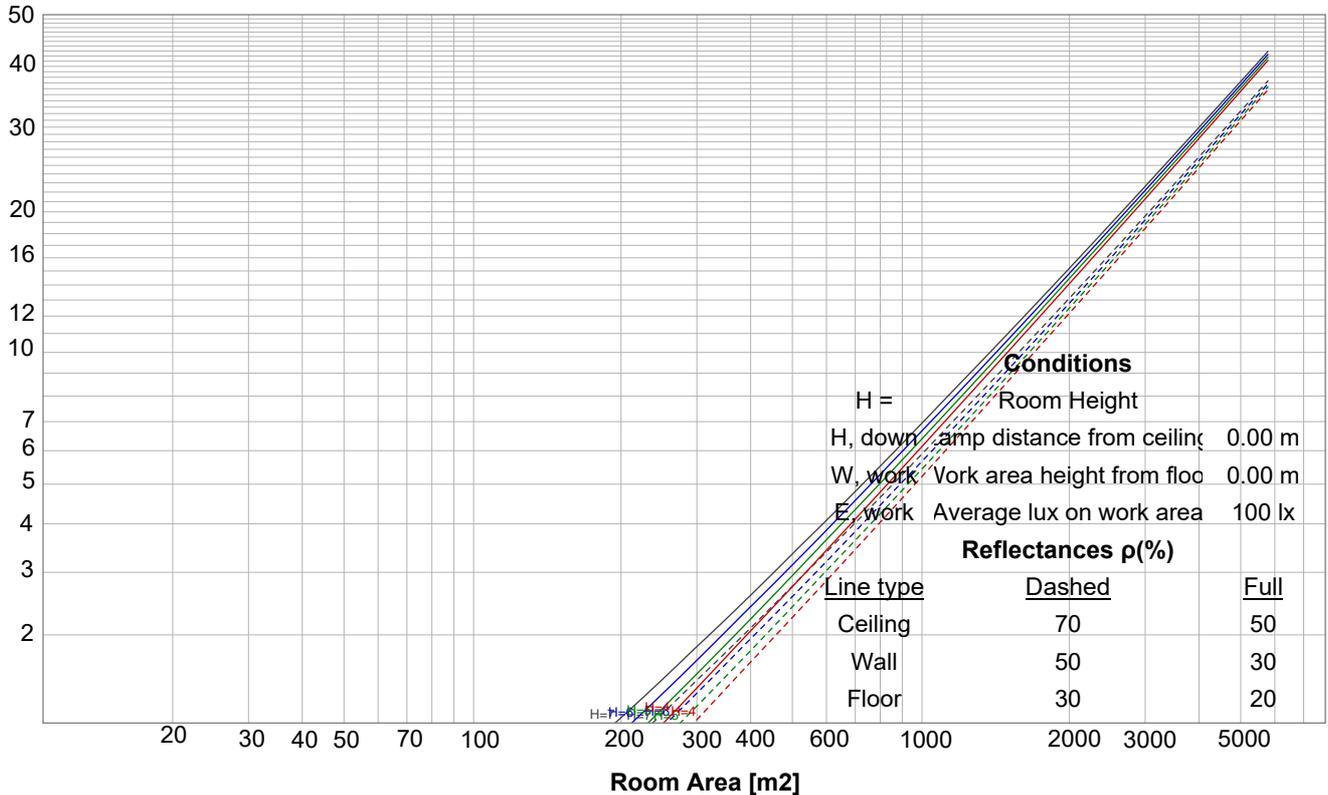


Beam details

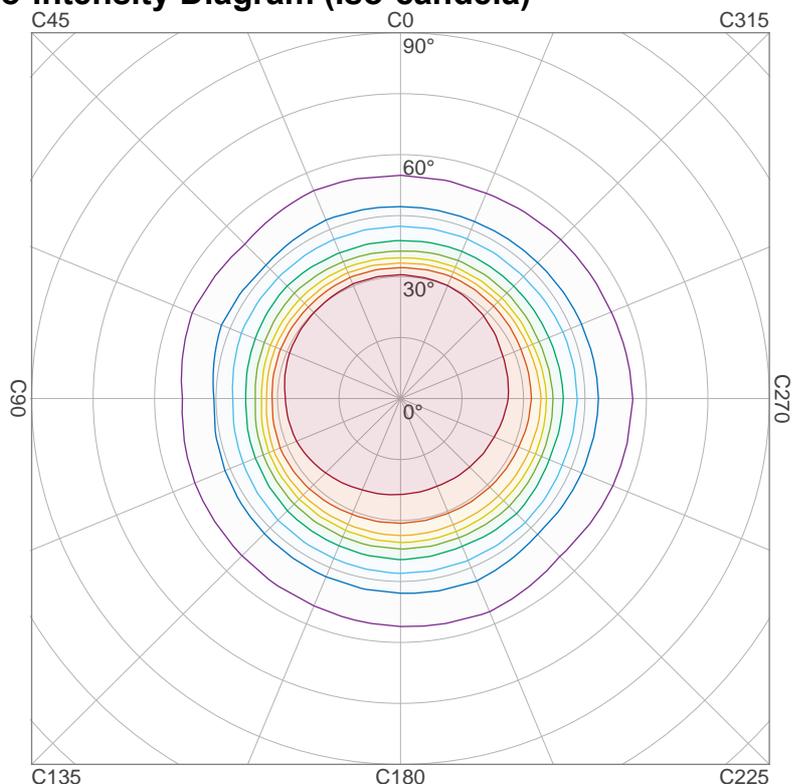


Luminaire budgetary diagram

LAMPS (number of lamps)



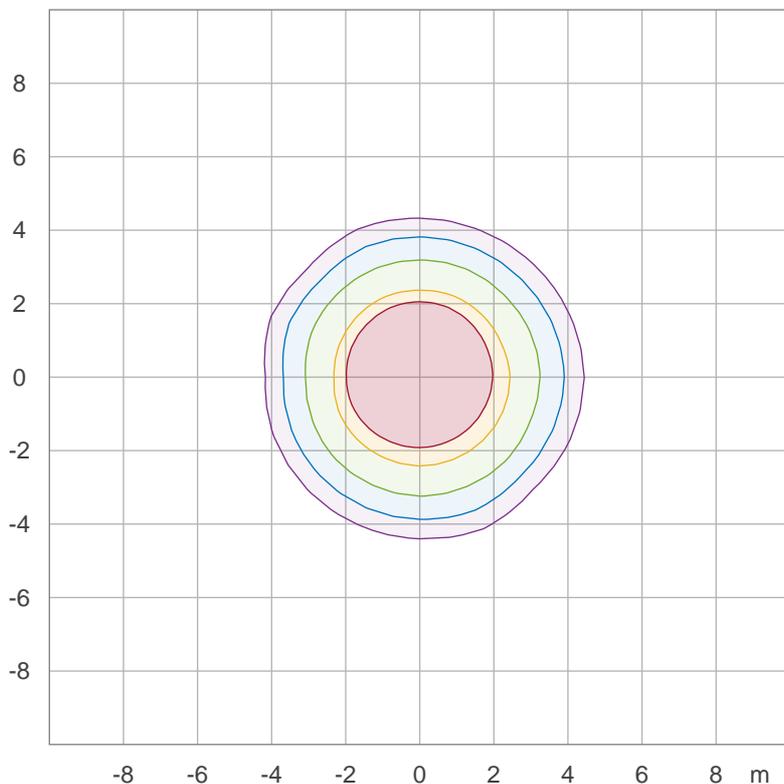
Iso-intensity Diagram (Iso-candela)



90 %	8000.6 cd
80 %	7111.6 cd
70 %	6222.7 cd
60 %	5333.7 cd
50 %	4444.8 cd
40 %	3555.8 cd
30 %	2666.9 cd
20 %	1777.9 cd
10 %	889.0 cd

Peak intensity: 8889.5 cd
 Number of c-planes: 16

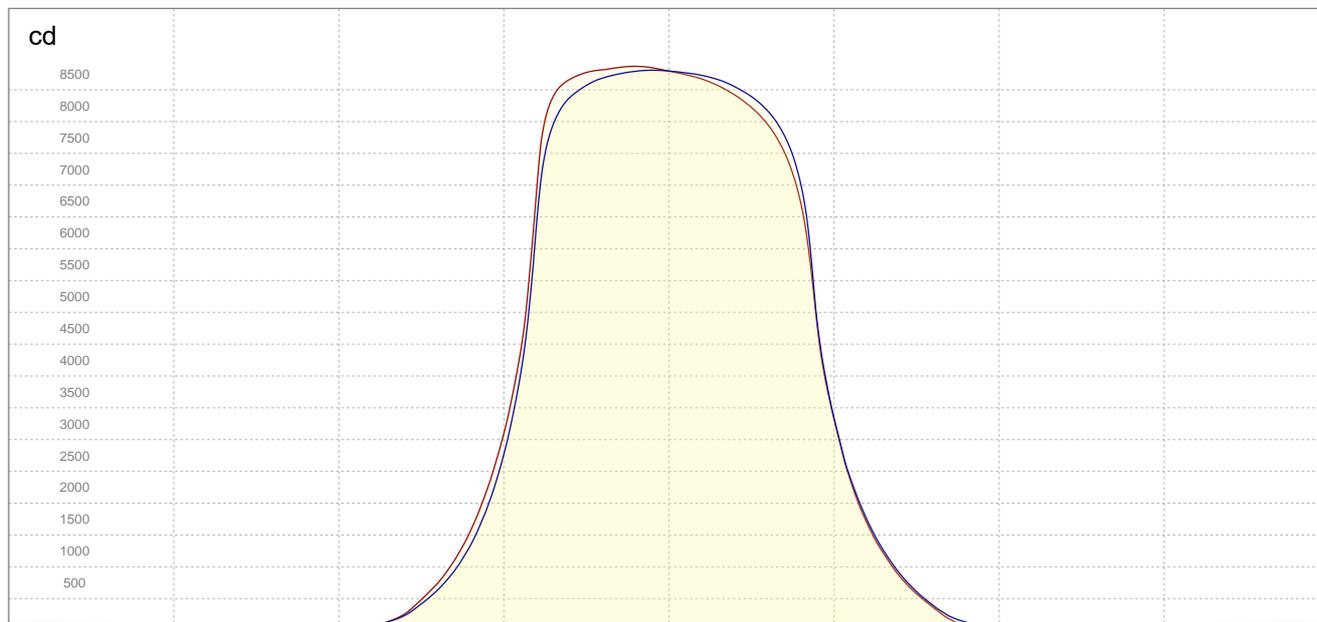
Iso-illuminance Diagram (Iso-lux)



50.0 %	489 lx
30.0 %	293 lx
10.0 %	97.8 lx
5.0 %	48.9 lx
3.0 %	29.3 lx

Peak illuminance: 978 lx
 Mounting height: 3 m
 Number of c-planes: 16

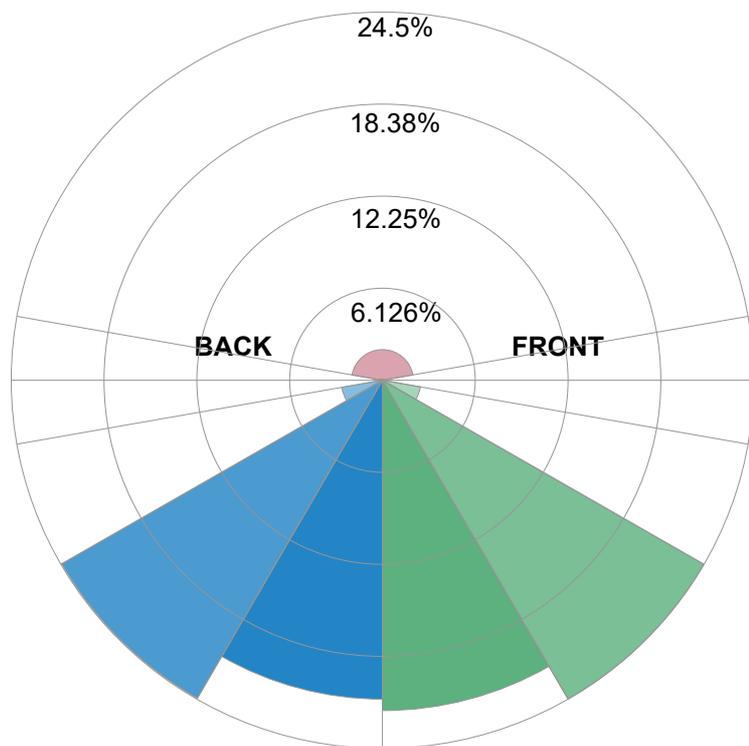
Linear intensity distribution diagram



— C0 - C180
— C90 - C270

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

BUG rating B4 U3 G1



Forward Light

Low (0-30°)	3642	lm	21.99%
Medium (30-60°)	4059	lm	24.5%
High (60-80°)	421.8	lm	2.547%
Very High (80-90°)	23.35	lm	0.141%

Back Light

Low (0-30°)	3516	lm	21.23%
Medium (30-60°)	4049	lm	24.44%
High (60-80°)	451.7	lm	2.727%
Very High (80-90°)	26.09	lm	0.1575%

Uplight

Low (90-100°)	37.57	lm	0.2268%
High (100-180°)	337.6	lm	2.038%

Total

Sum	16560	lm	100%
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