

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}°
151.8 W

Tested Light Source

Luminaire
Basic Luminous Shape
Item No.
Manufacturer

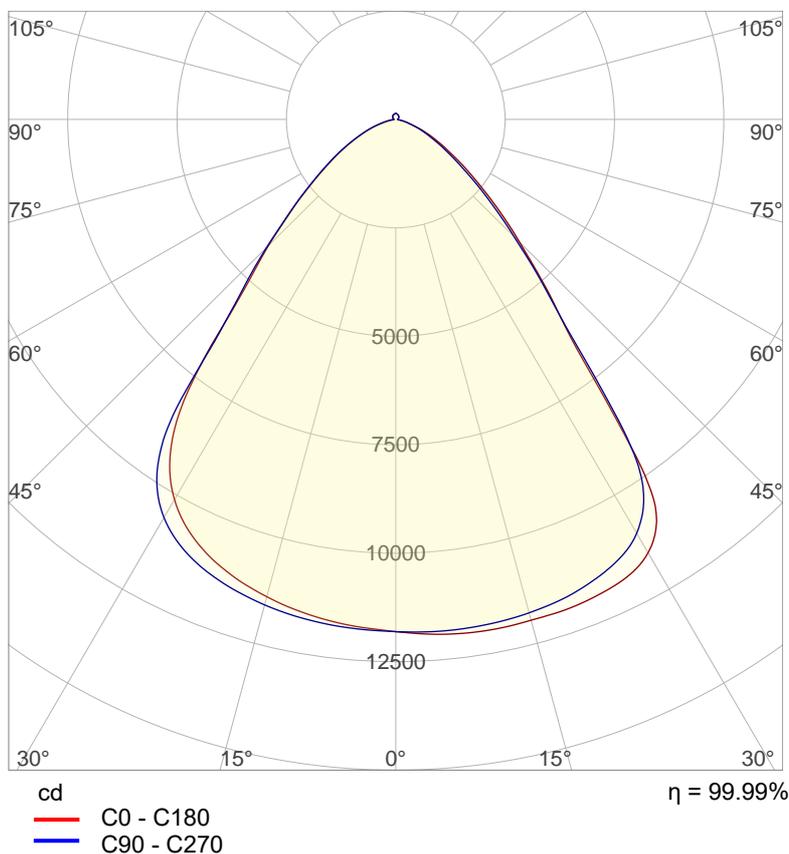
Orbix UFO High Bay - OBX-HB-RD150-01
SPOT
Grizzly Lighting Systems

Main Light Measurement Results

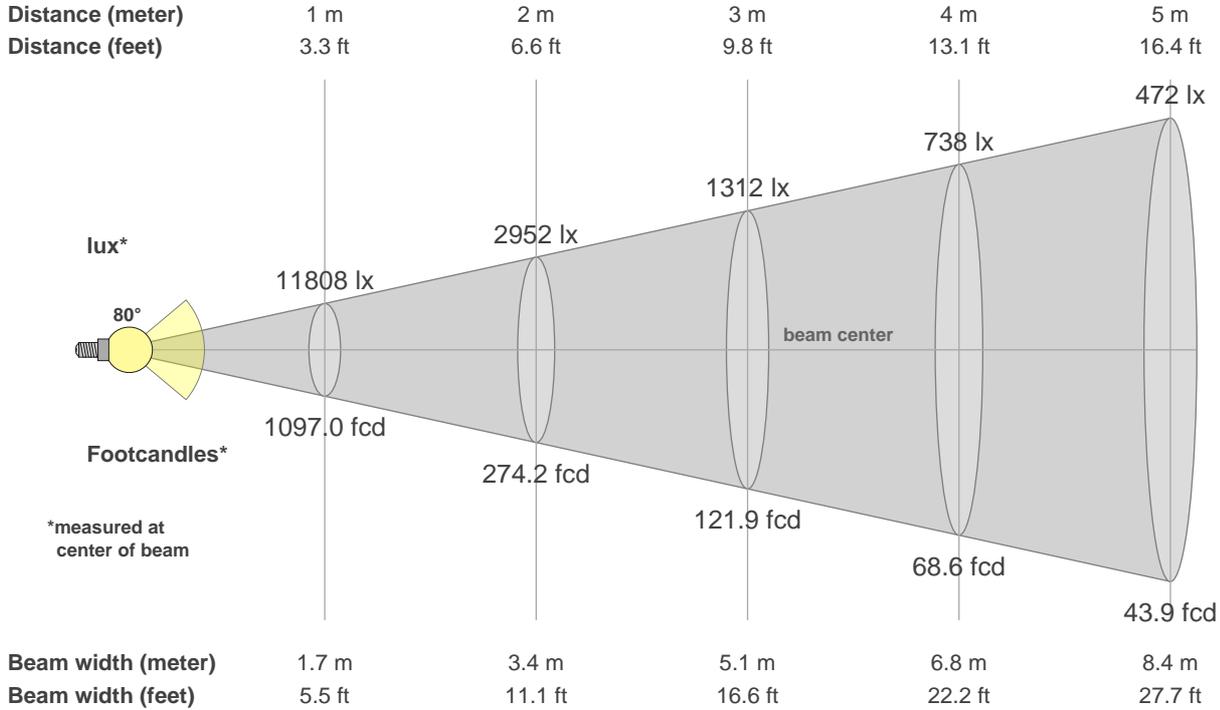
Output – Total Lumen (Up% / Down%)
Efficiency
Peak Intensity
Correlated Color Temperature, CCT
Color Rendering Index

21860 lm – 2.268% / 97.73%
144 lm/W
12010 cd
5000 K
CRI 85

Polar light distribution diagram

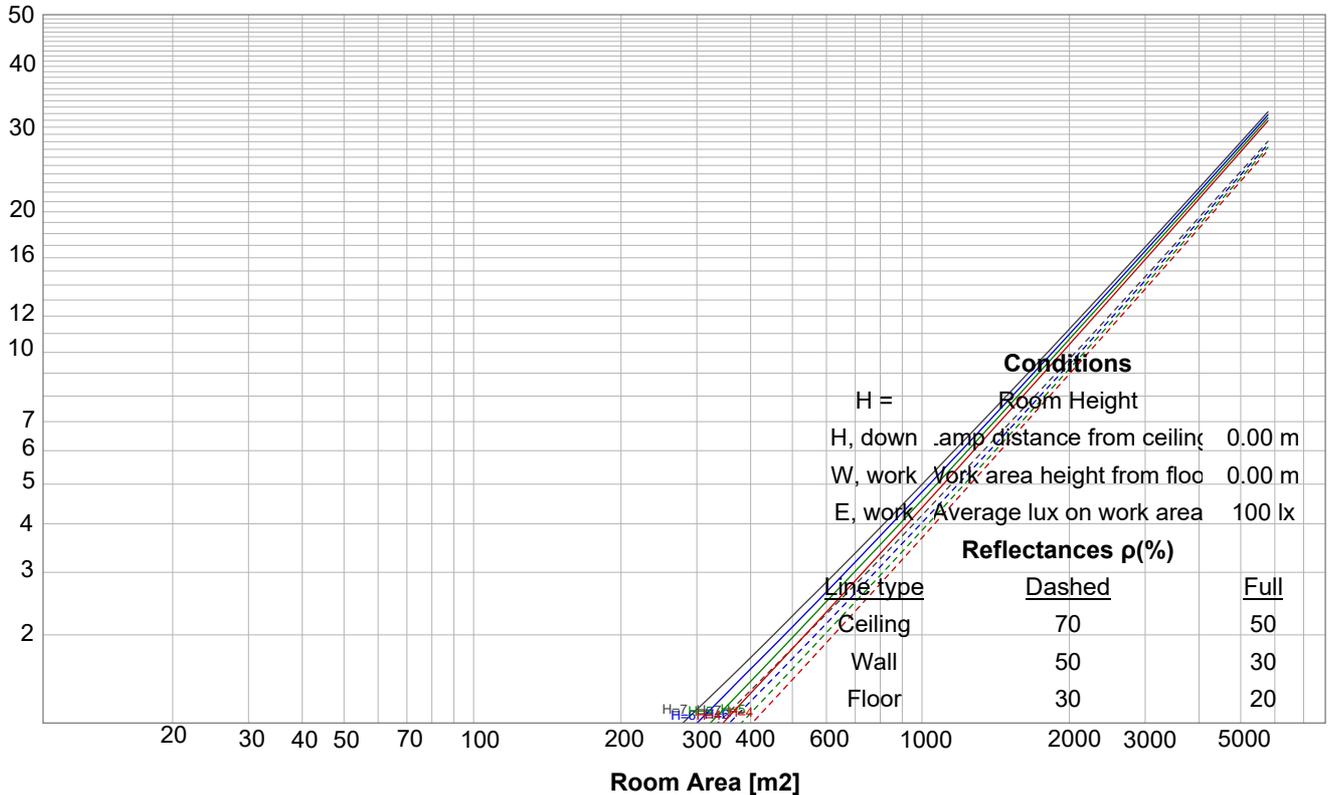


Beam details

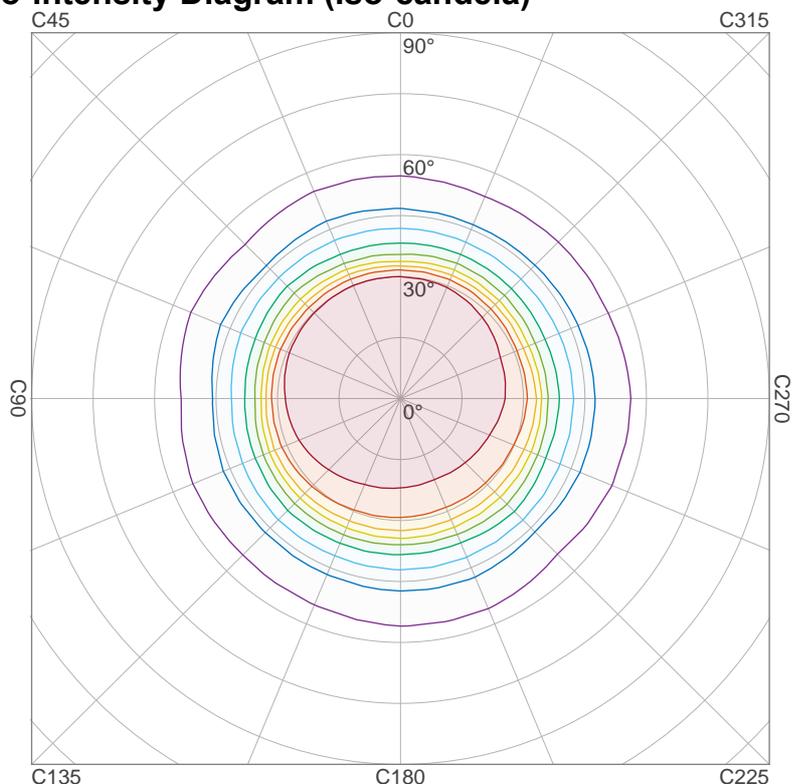


Luminaire budgetary diagram

LAMPS (number of lamps)



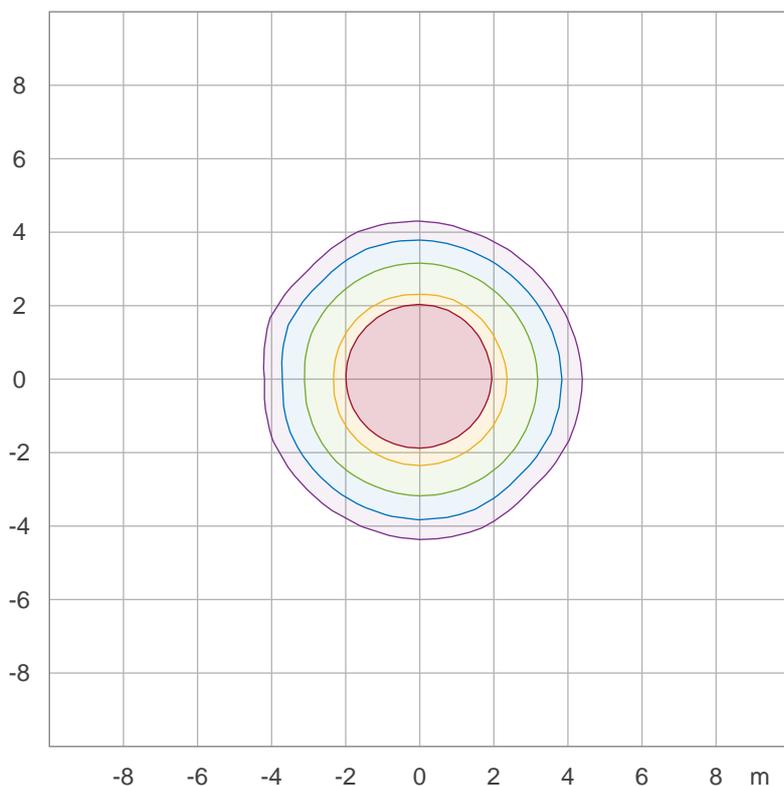
Iso-intensity Diagram (Iso-candela)



90 %	10808.1 cd
80 %	9607.2 cd
70 %	8406.3 cd
60 %	7205.4 cd
50 %	6004.5 cd
40 %	4803.6 cd
30 %	3602.7 cd
20 %	2401.8 cd
10 %	1200.9 cd

Peak intensity: 12009.0 cd
 Number of c-planes: 16

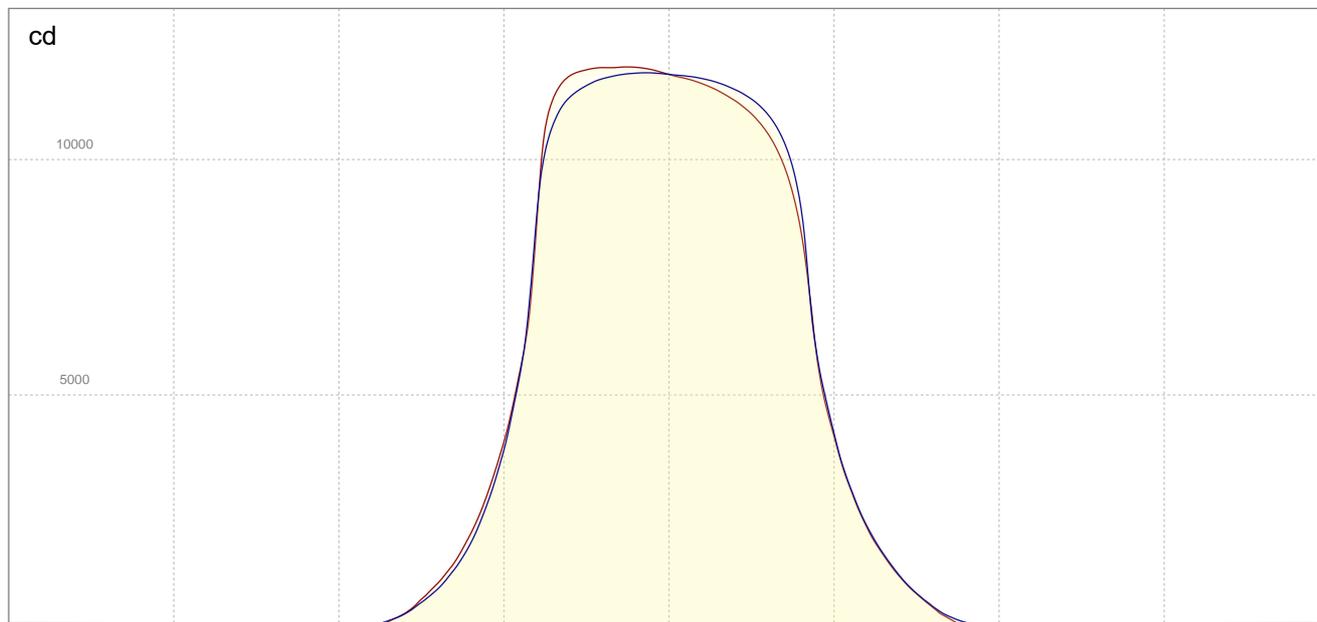
Iso-illuminance Diagram (Iso-lux)



50.0 %	658 lx
30.0 %	395 lx
10.0 %	132 lx
5.0 %	65.8 lx
3.0 %	39.5 lx

Peak illuminance: 1320 lx
 Mounting height: 3 m
 Number of c-planes: 16

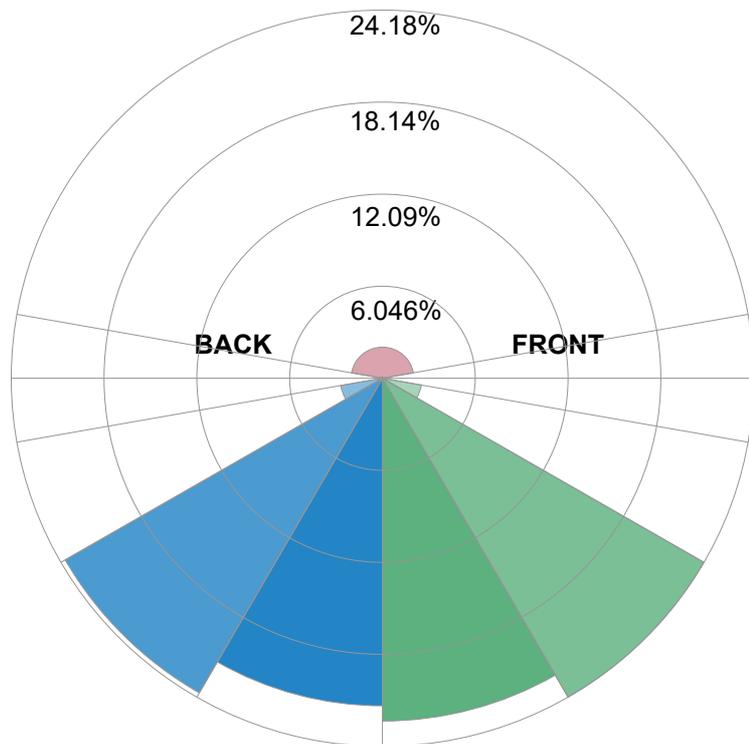
Linear intensity distribution diagram



— C0 - C180
— C90 - C270

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

BUG rating B4 U3 G2



Forward Light

Low (0-30°)	4923	lm	22.52%
Medium (30-60°)	5287	lm	24.18%
High (60-80°)	563.3	lm	2.577%
Very High (80-90°)	31.78	lm	0.1454%

Back Light

Low (0-30°)	4704	lm	21.52%
Medium (30-60°)	5218	lm	23.87%
High (60-80°)	603.2	lm	2.759%
Very High (80-90°)	35.19	lm	0.161%

Uplight

Low (90-100°)	49.2	lm	0.225%
High (100-180°)	446.7	lm	2.043%

Total

Sum	21860	lm	100%
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