

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}°
191.1 W

Tested Light Source

Luminaire
Basic Luminous Shape
Item No.
Manufacturer

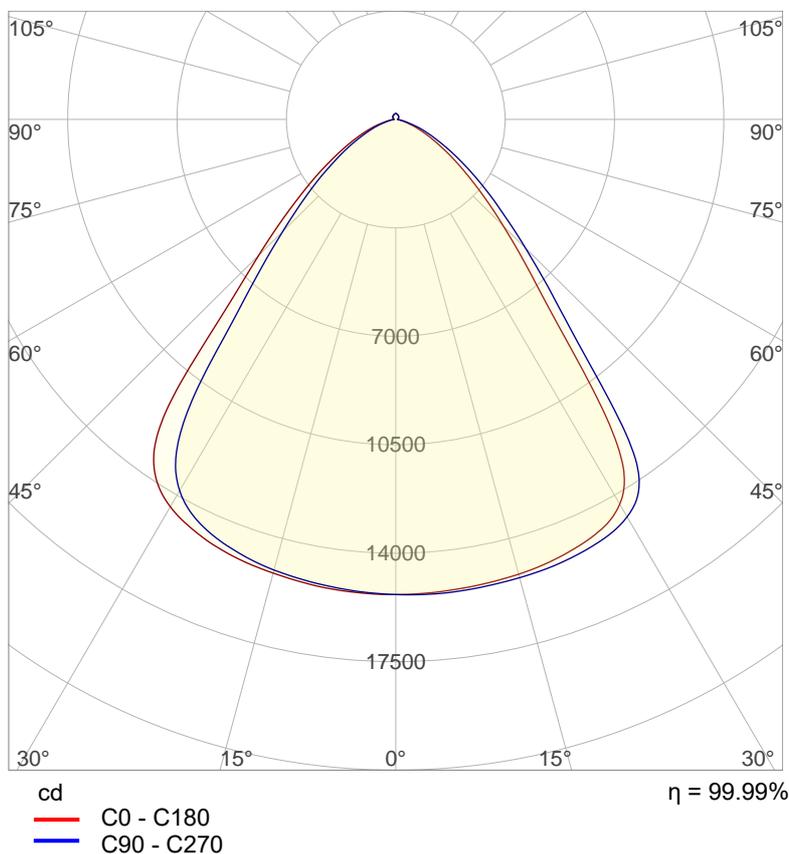
Orbix UFO High Bay - OBX-HB-RD240-01
SPOT
Grizzly Lighting Systems

Main Light Measurement Results

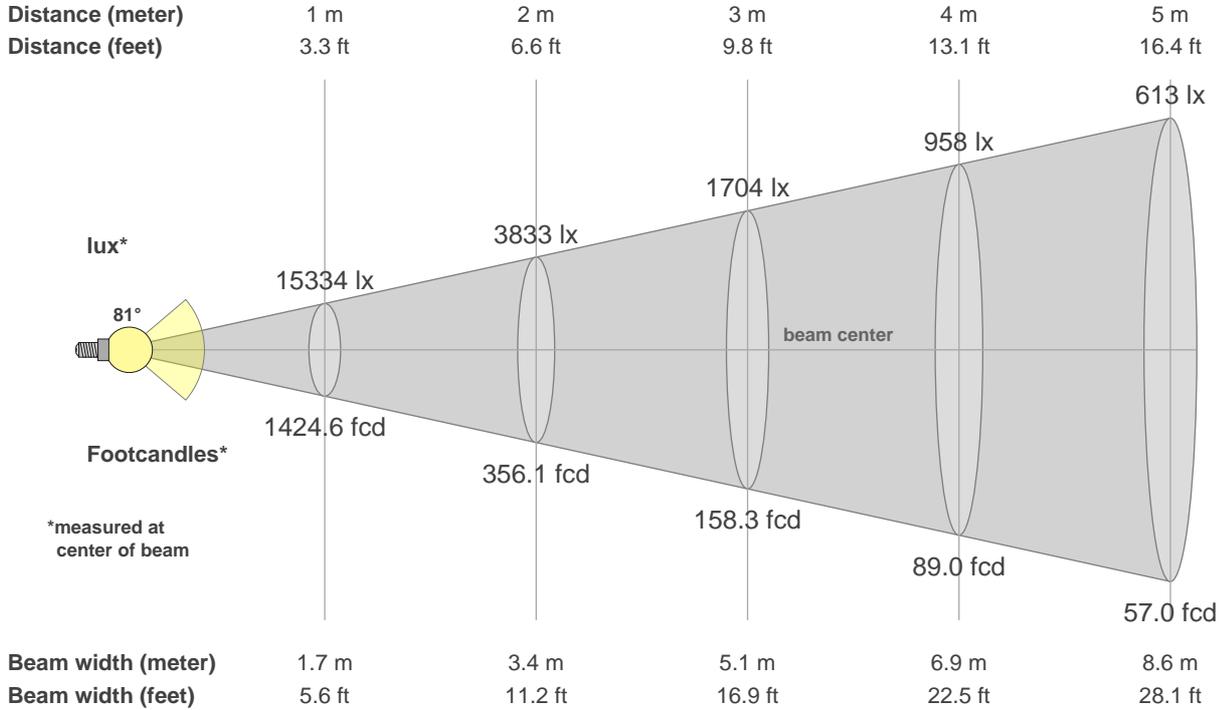
Output – Total Lumen (Up% / Down%)
Efficiency
Peak Intensity
Correlated Color Temperature, CCT
Color Rendering Index

29100 lm – 2.285% / 97.72%
152.3 lm/W
15370 cd
3500 K
CRI 85

Polar light distribution diagram

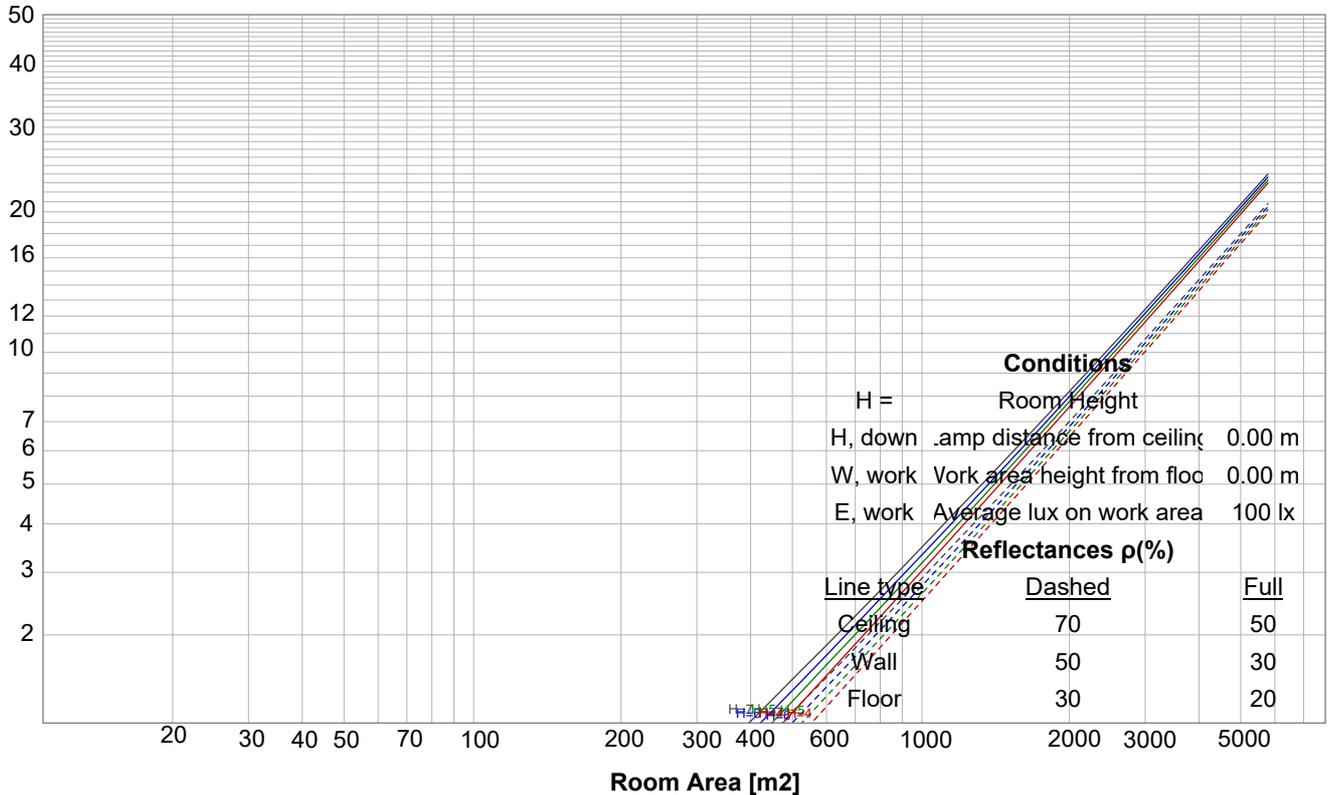


Beam details

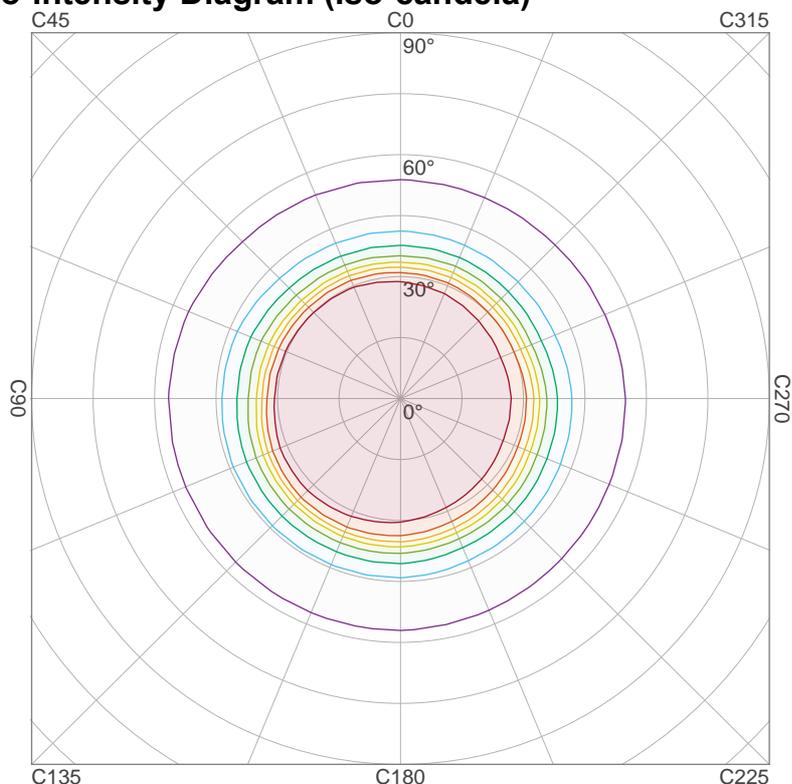


Luminaire budgetary diagram

LAMPS (number of lamps)



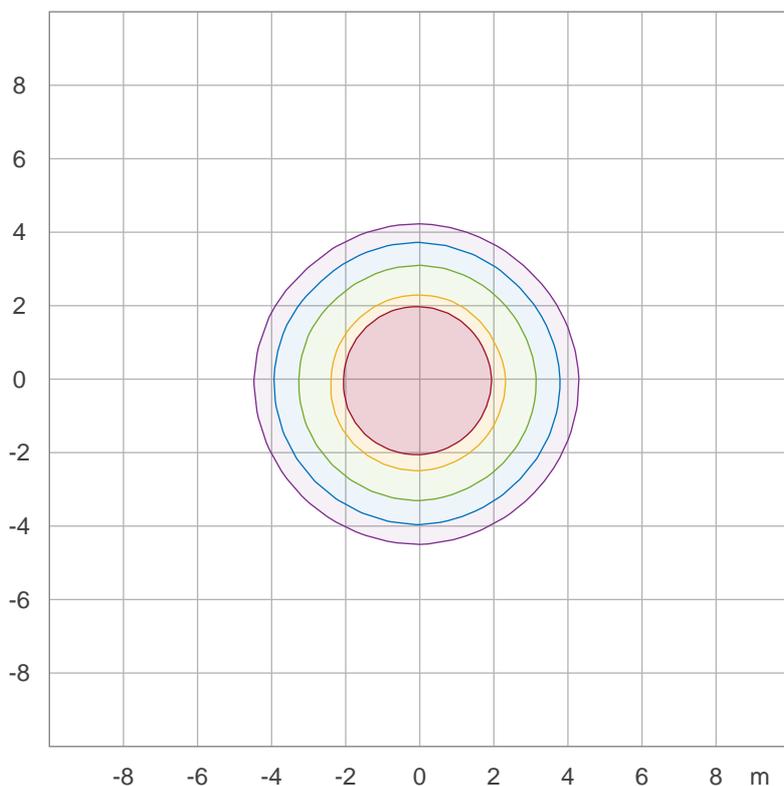
Iso-intensity Diagram (Iso-candela)



90 %	13829.4 cd
80 %	12292.8 cd
70 %	10756.2 cd
60 %	9219.6 cd
50 %	7683.0 cd
40 %	6146.4 cd
30 %	4609.8 cd
20 %	3073.2 cd
10 %	1536.6 cd

Peak intensity: 15366.0 cd
 Number of c-planes: 16

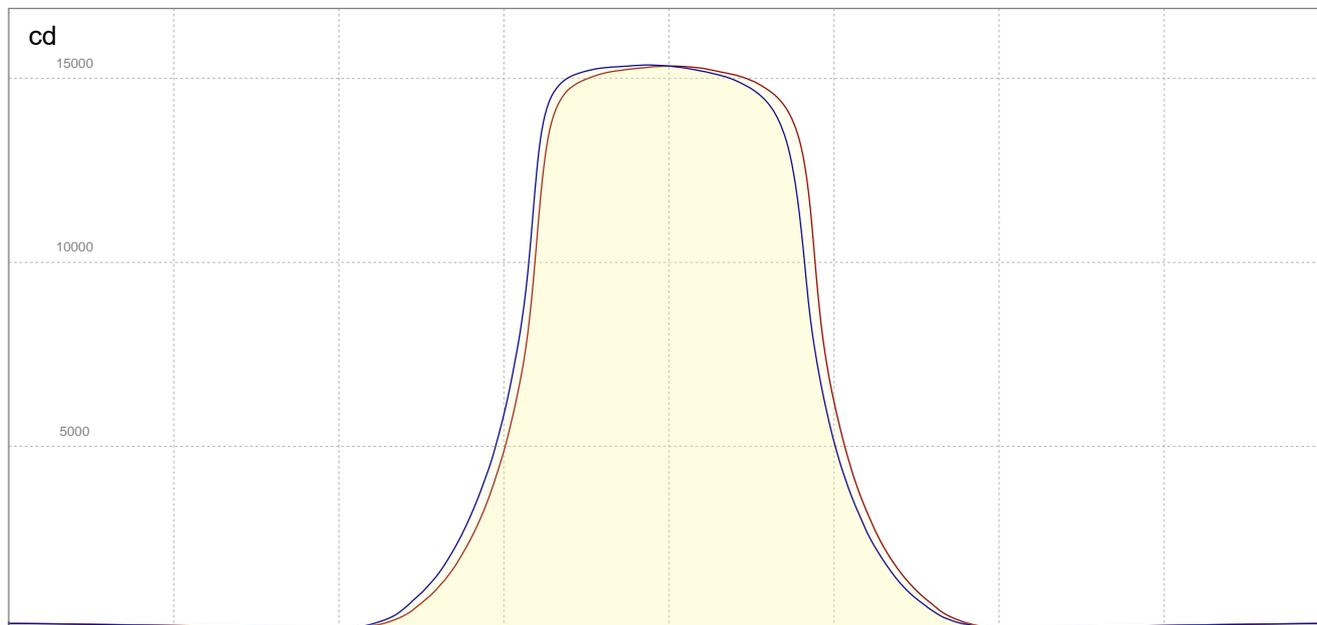
Iso-illuminance Diagram (Iso-lux)



50.0 %	852 lx
30.0 %	511 lx
10.0 %	170 lx
5.0 %	85.2 lx
3.0 %	51.1 lx

Peak illuminance: 1700 lx
 Mounting height: 3 m
 Number of c-planes: 16

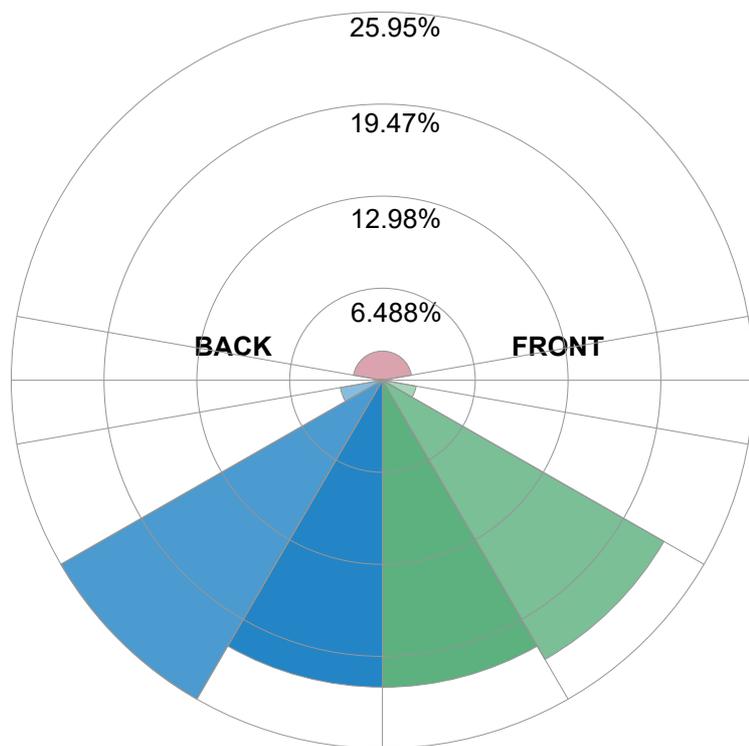
Linear intensity distribution diagram



— C0 - C180
— C90 - C270

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

BUG rating B5 U4 G2



Forward Light

Low (0-30°)	6298	lm	21.64%
Medium (30-60°)	6614	lm	22.73%
High (60-80°)	697.2	lm	2.396%
Very High (80-90°)	46.68	lm	0.1604%

Back Light

Low (0-30°)	6296	lm	21.63%
Medium (30-60°)	7553	lm	25.95%
High (60-80°)	869.8	lm	2.989%
Very High (80-90°)	63	lm	0.2165%

Uplight

Low (90-100°)	66.11	lm	0.2272%
High (100-180°)	598.7	lm	2.057%

Total

Sum	29100	lm	100%
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