

Test report

Light measurement results

Print date 11/6/2025

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}°
189.3 W

Tested Light Source

Luminaire
Basic Luminous Shape
Item No.
Manufacturer

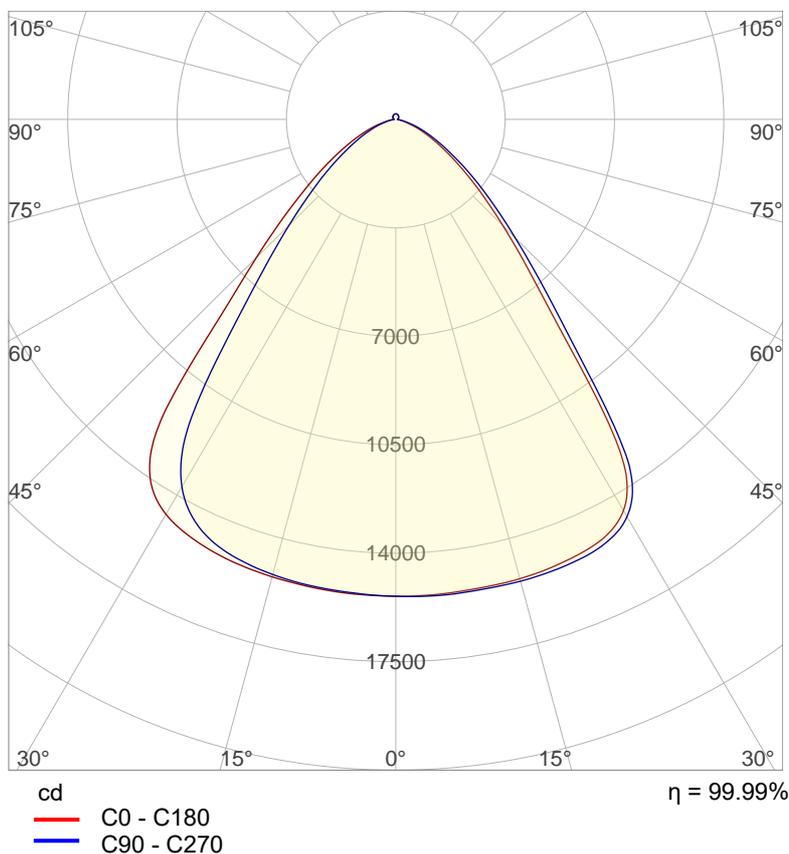
Orbix UFO High Bay - OBX-HB-RD240-01
SPOT
Grizzly Lighting Systems

Main Light Measurement Results

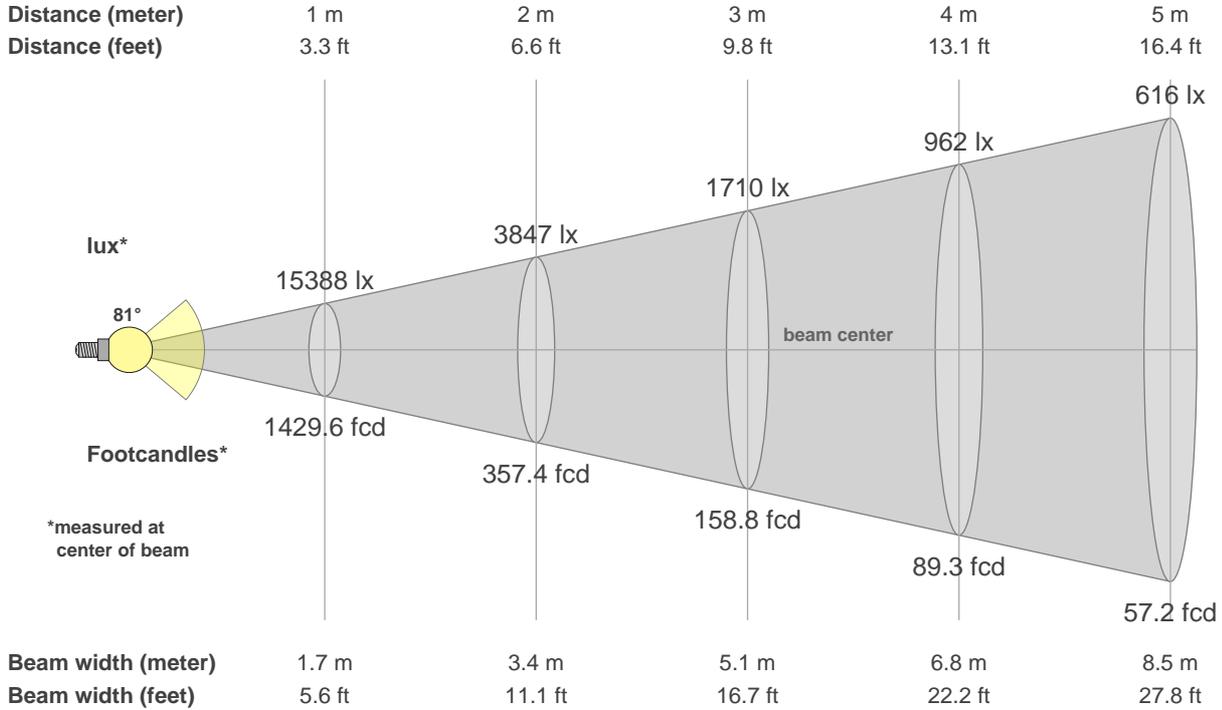
Output – Total Lumen (Up% / Down%)
Efficiency
Peak Intensity
Correlated Color Temperature, CCT
Color Rendering Index

29080 lm – 2.279% / 97.72%
153.6 lm/W
15430 cd
5000 K
CRI 85

Polar light distribution diagram

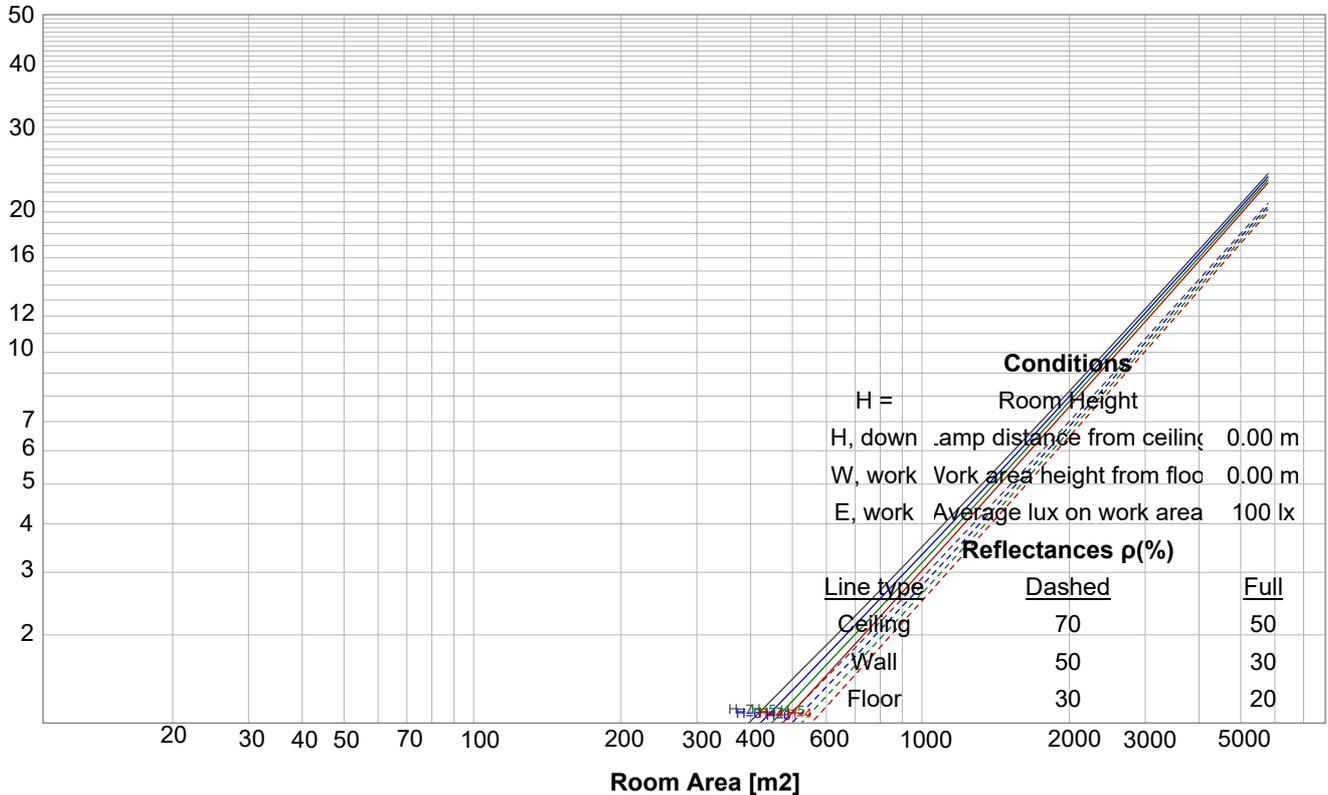


Beam details

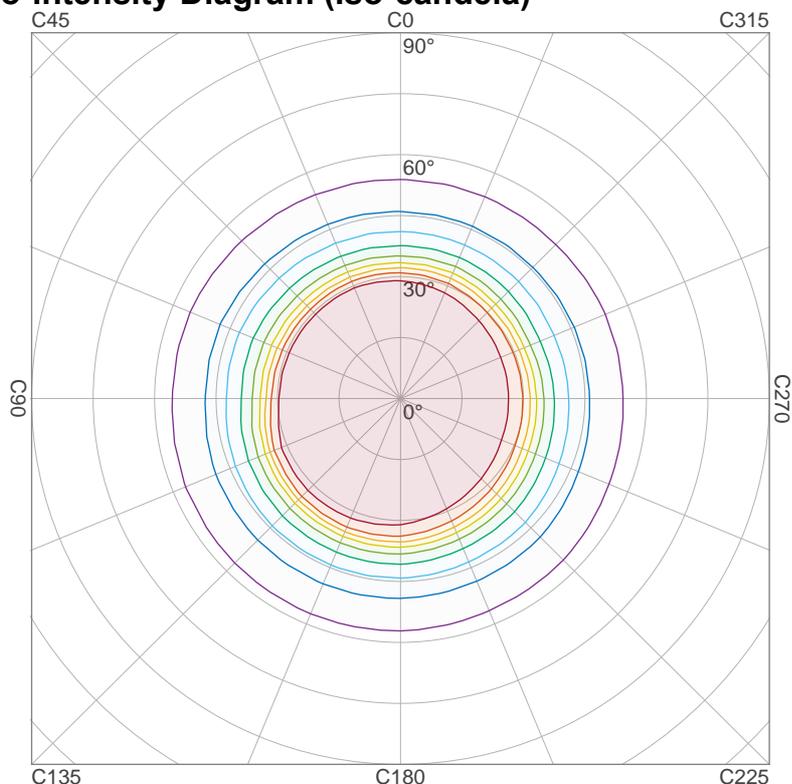


Luminaire budgetary diagram

LAMPS (number of lamps)



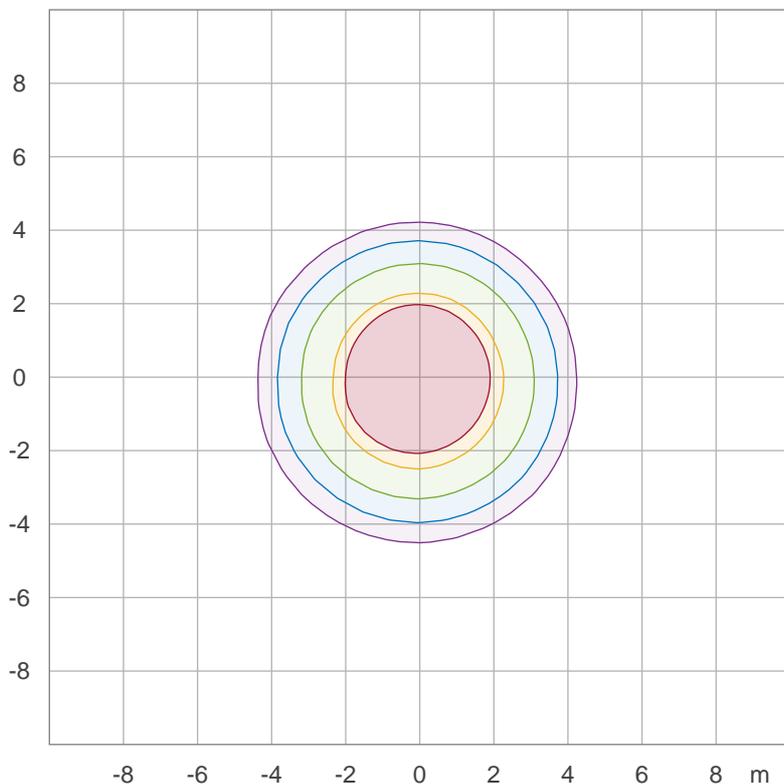
Iso-intensity Diagram (Iso-candela)



90 %	13885.2 cd
80 %	12342.4 cd
70 %	10799.6 cd
60 %	9256.8 cd
50 %	7714.0 cd
40 %	6171.2 cd
30 %	4628.4 cd
20 %	3085.6 cd
10 %	1542.8 cd

Peak intensity: 15428.0 cd
 Number of c-planes: 16

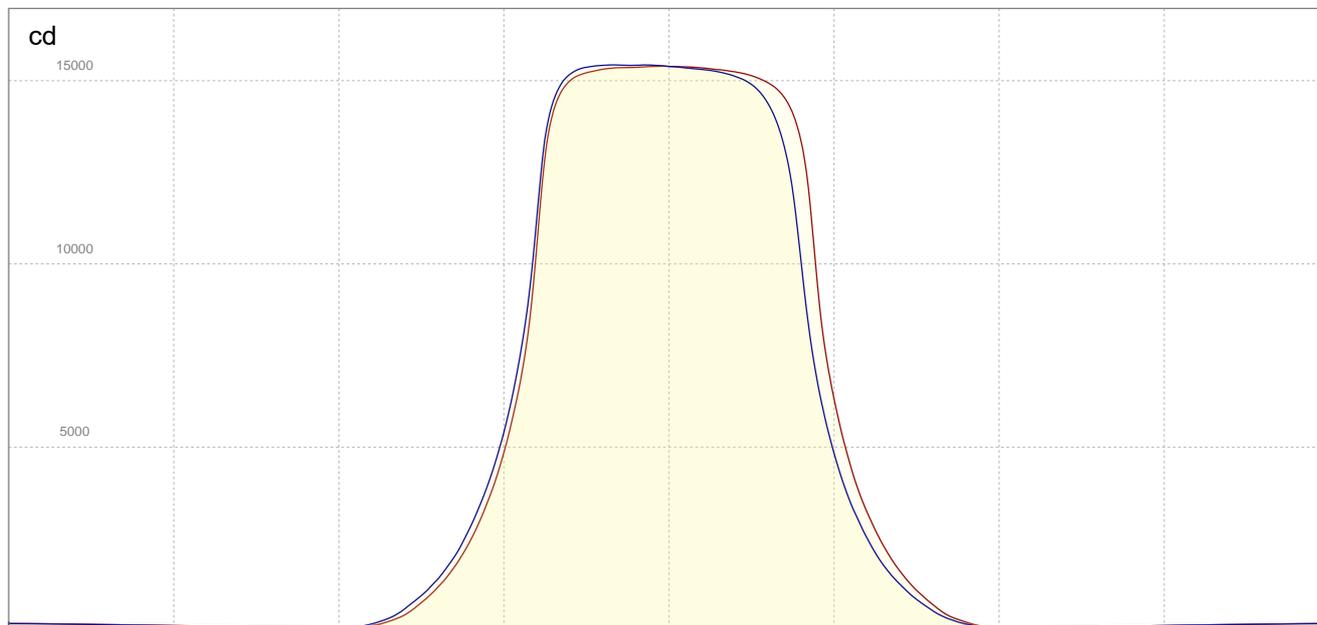
Iso-illuminance Diagram (Iso-lux)



50.0 %	855 lx
30.0 %	513 lx
10.0 %	171 lx
5.0 %	85.5 lx
3.0 %	51.3 lx

Peak illuminance: 1710 lx
 Mounting height: 3 m
 Number of c-planes: 16

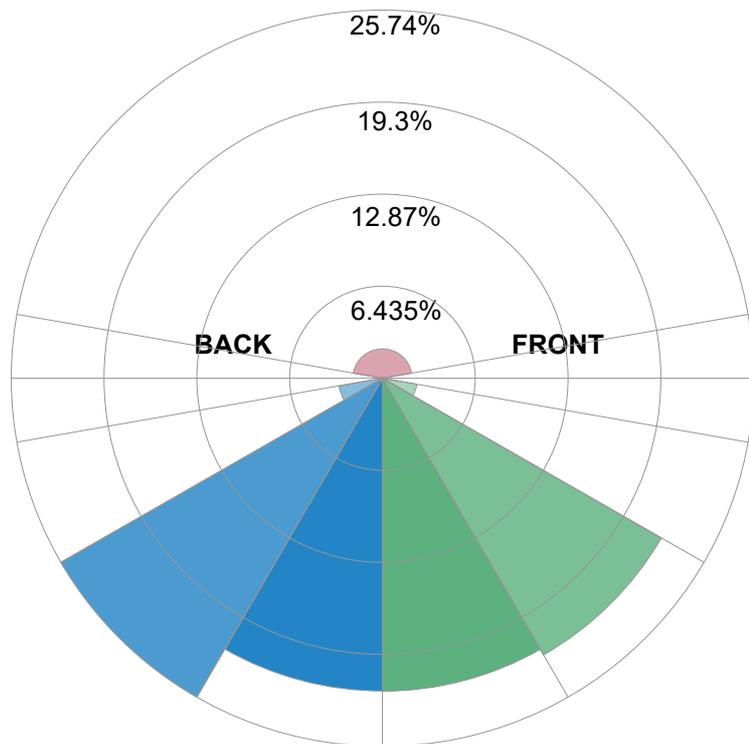
Linear intensity distribution diagram



— C0 - C180
— C90 - C270

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

BUG rating B5 U4 G2



Forward Light

Low (0-30°)	6363	lm	21.88%
Medium (30-60°)	6495	lm	22.34%
High (60-80°)	707	lm	2.432%
Very High (80-90°)	48.26	lm	0.166%

Back Light

Low (0-30°)	6358	lm	21.87%
Medium (30-60°)	7484	lm	25.74%
High (60-80°)	891.3	lm	3.065%
Very High (80-90°)	66.64	lm	0.2292%

Uplight

Low (90-100°)	65.58	lm	0.2255%
High (100-180°)	597.2	lm	2.054%

Total

Sum	29080	lm	100%
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