

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}°
235 W

Tested Light Source

Luminaire
Basic Luminous Shape
Item No.
Manufacturer

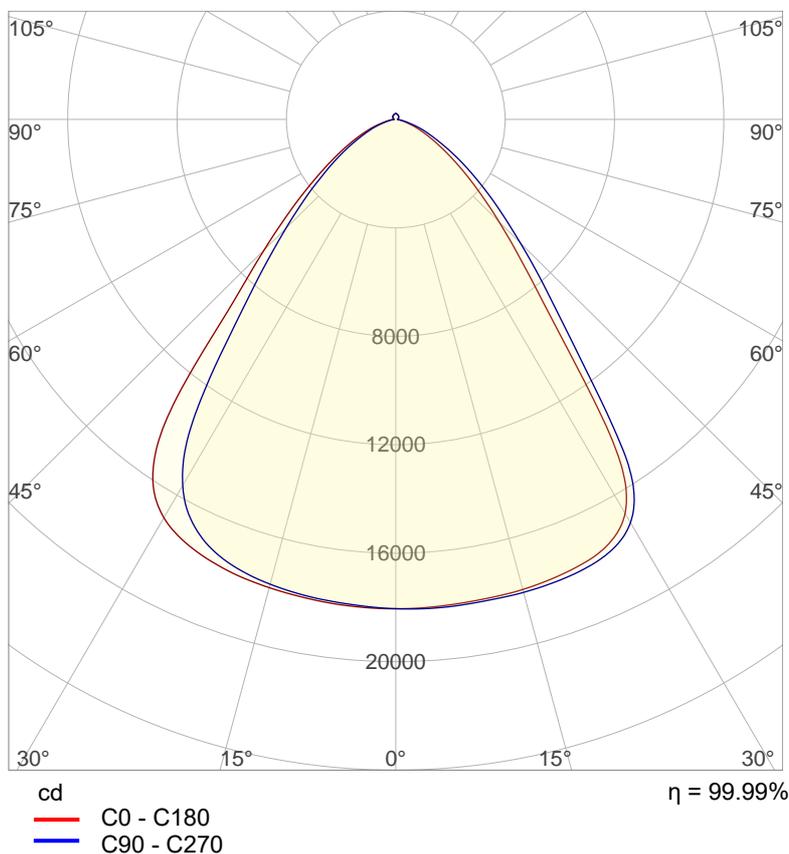
Orbix UFO High Bay - OBX-HB-RD240-01
SPOT
Grizzly Lighting Systems

Main Light Measurement Results

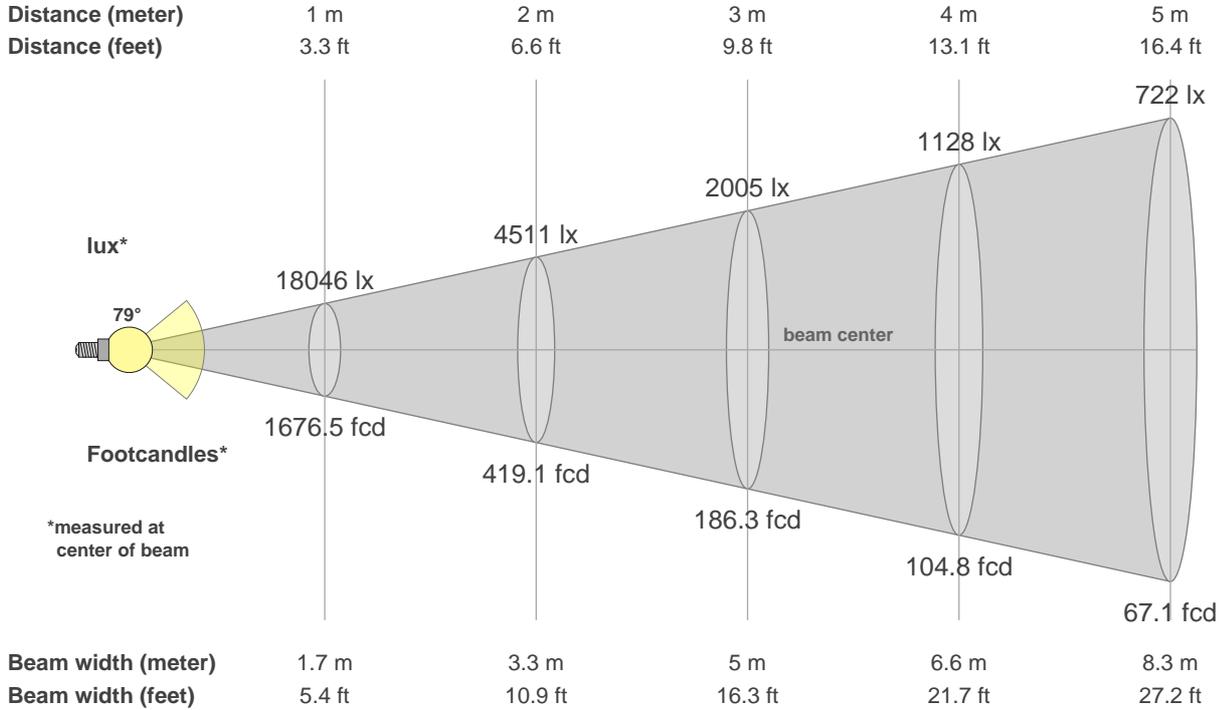
Output – Total Lumen (Up% / Down%)
Efficiency
Peak Intensity
Correlated Color Temperature, CCT
Color Rendering Index

33090 lm – 2.288% / 97.71%
140.8 lm/W
18090 cd
3500 K
CRI 85

Polar light distribution diagram

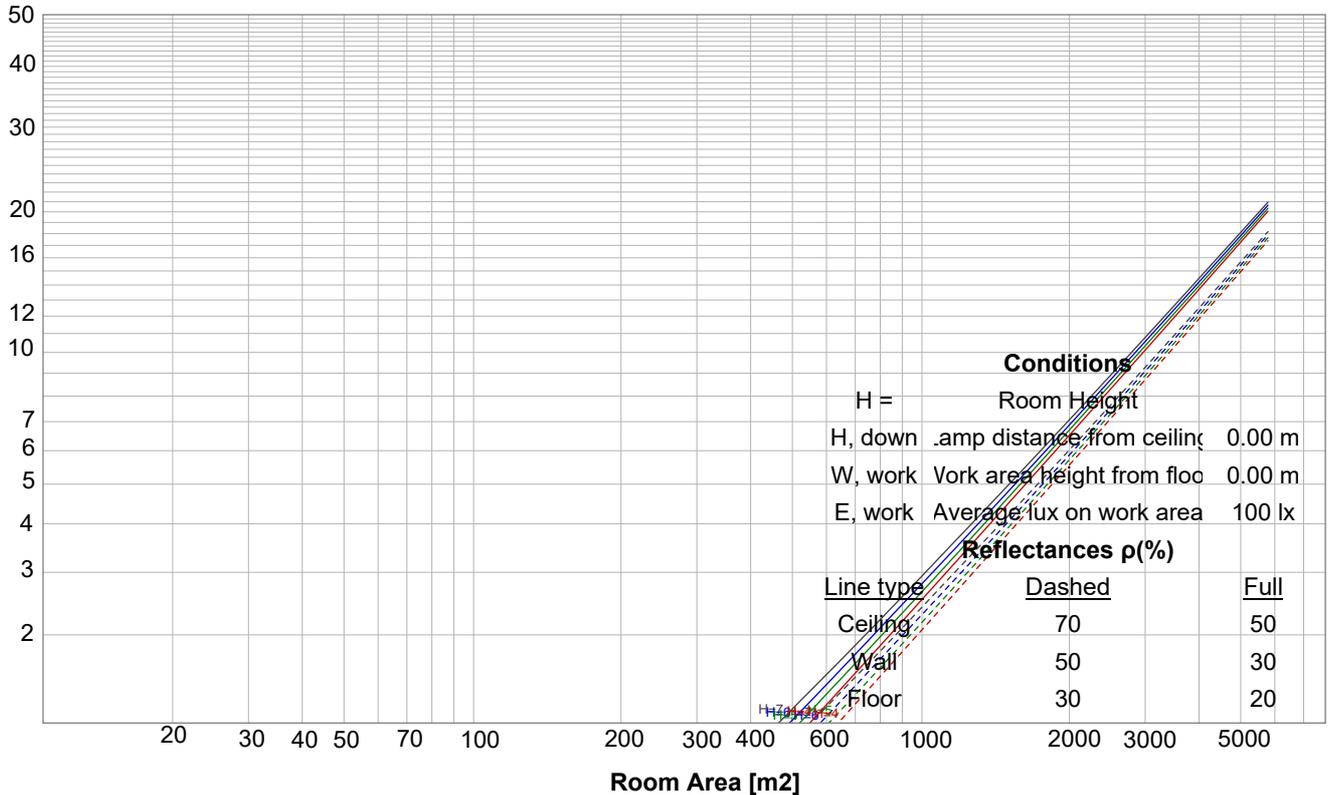


Beam details

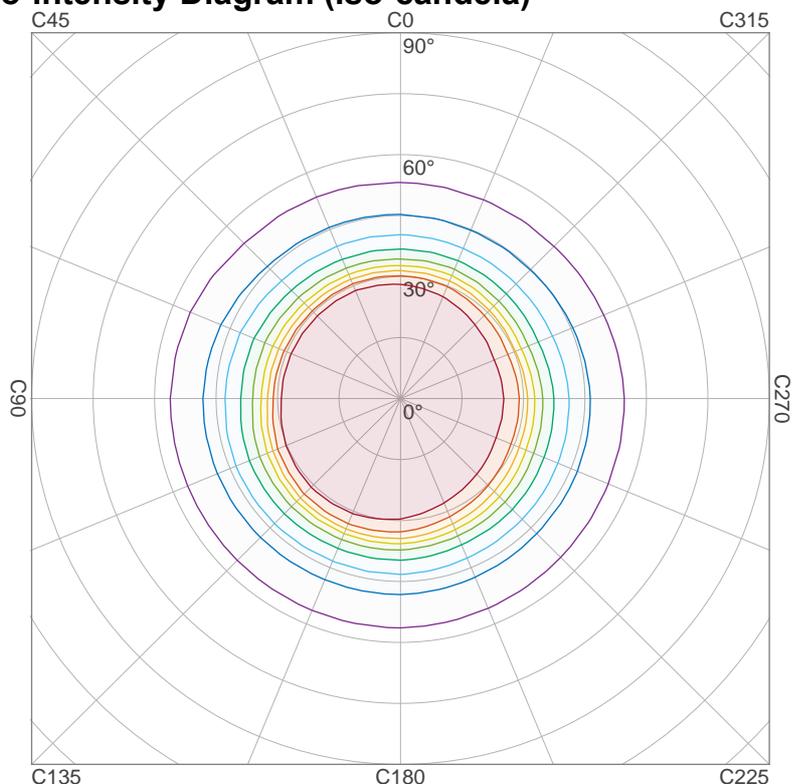


Luminaire budgetary diagram

LAMPS (number of lamps)



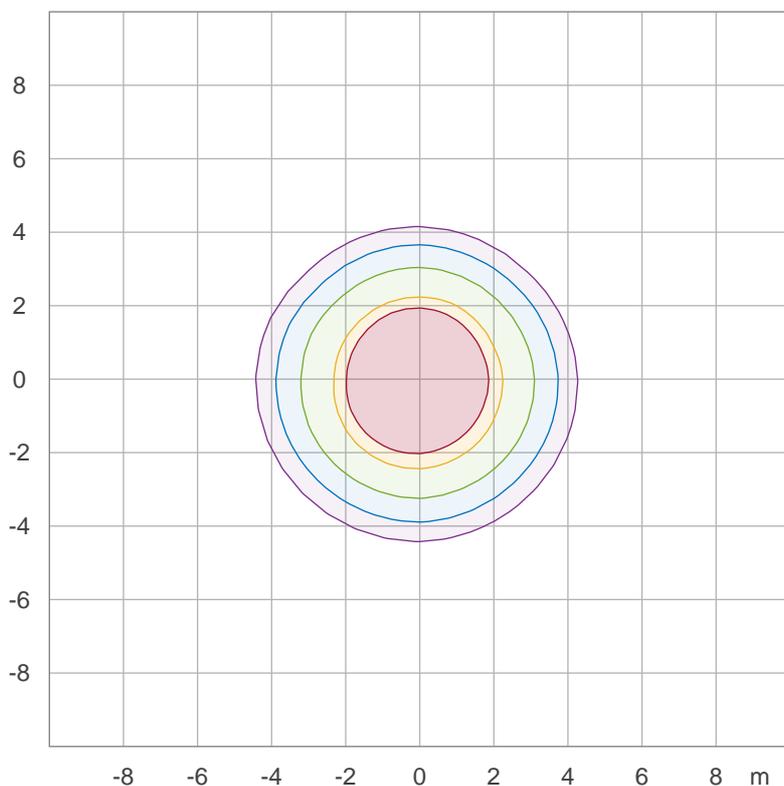
Iso-intensity Diagram (Iso-candela)



90 %	16277.4 cd
80 %	14468.8 cd
70 %	12660.2 cd
60 %	10851.6 cd
50 %	9043.0 cd
40 %	7234.4 cd
30 %	5425.8 cd
20 %	3617.2 cd
10 %	1808.6 cd

Peak intensity: 18086.0 cd
Number of c-planes: 16

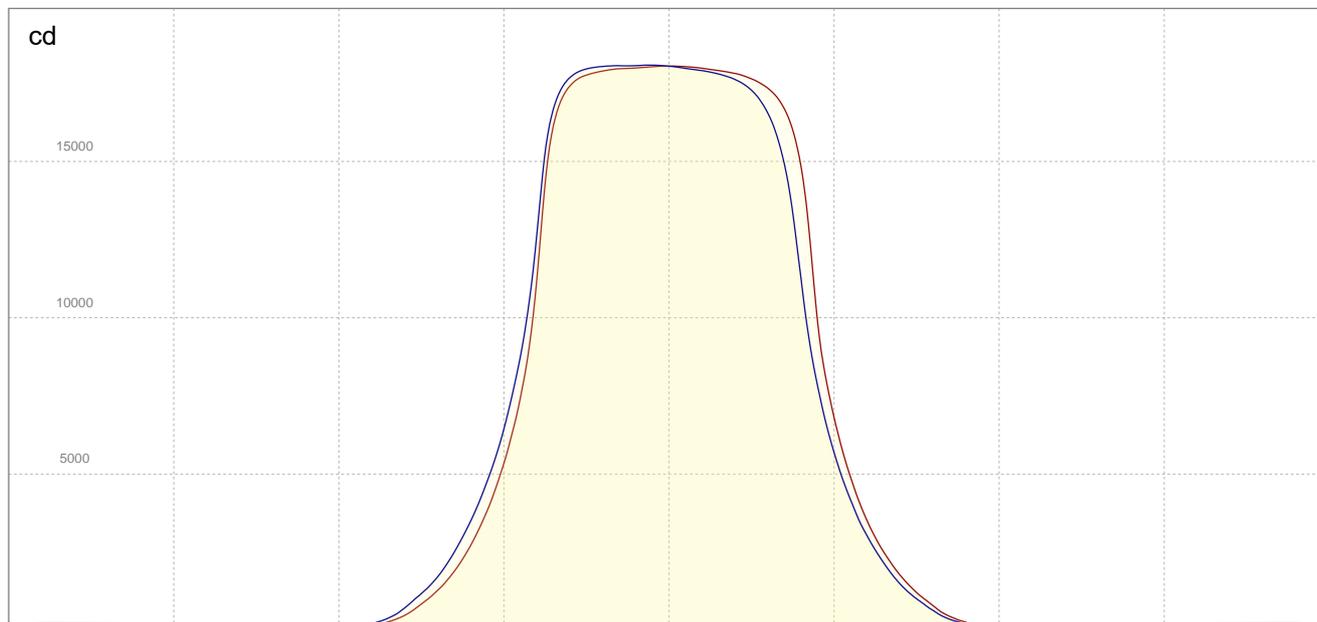
Iso-illuminance Diagram (Iso-lux)



50.0 %	1000 lx
30.0 %	602 lx
10.0 %	201 lx
5.0 %	100 lx
3.0 %	60.2 lx

Peak illuminance: 2010 lx
Mounting height: 3 m
Number of c-planes: 16

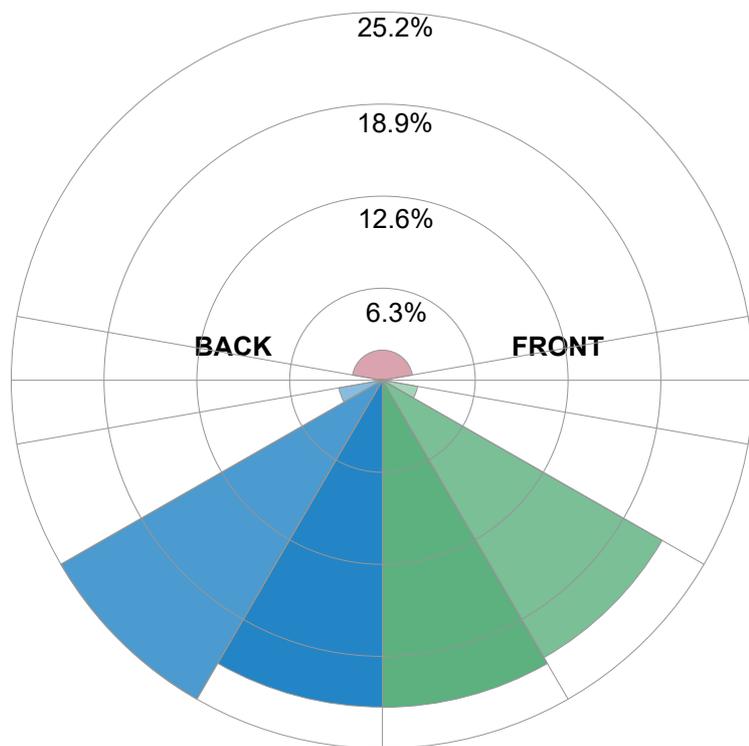
Linear intensity distribution diagram



— C0 - C180
— C90 - C270

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

BUG rating B5 U4 G2



Forward Light

Low (0-30°)	7410	lm	22.39%
Medium (30-60°)	7256	lm	21.92%
High (60-80°)	802.8	lm	2.426%
Very High (80-90°)	55.93	lm	0.169%

Back Light

Low (0-30°)	7404	lm	22.37%
Medium (30-60°)	8340	lm	25.2%
High (60-80°)	994.2	lm	3.004%
Very High (80-90°)	76.57	lm	0.2314%

Uplight

Low (90-100°)	74.11	lm	0.2239%
High (100-180°)	683	lm	2.064%

Total

Sum	33090	lm	100%
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