

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}°
222.2 W

Tested Light Source

Luminaire
Basic Luminous Shape
Item No.
Manufacturer

Orbix UFO High Bay - OBX-HB-RD240-01
SPOT

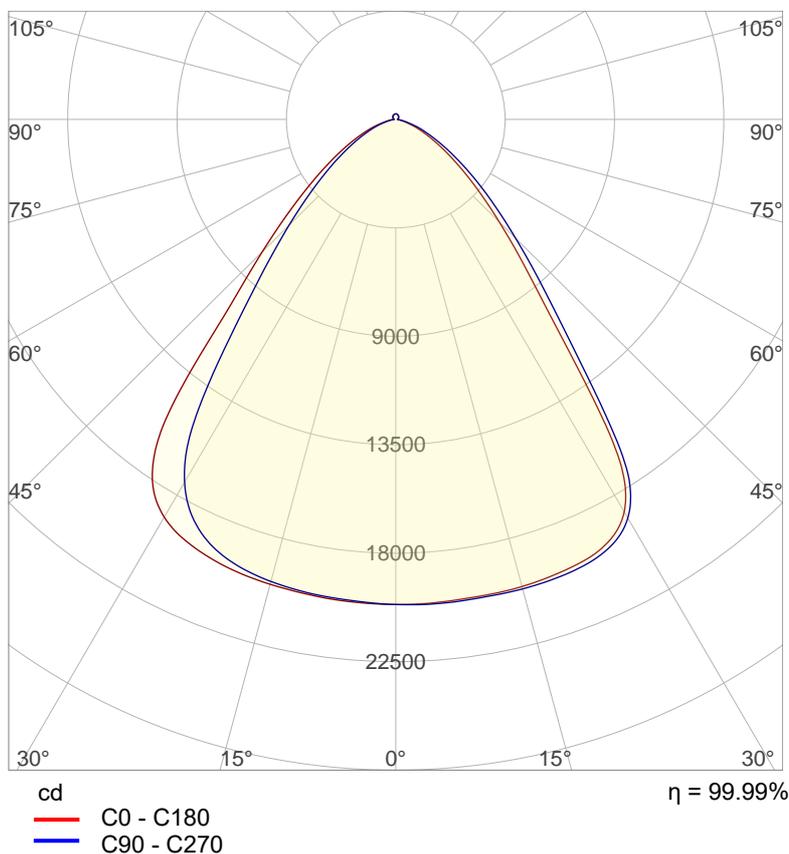
Grizzly Lighting Systems

Main Light Measurement Results

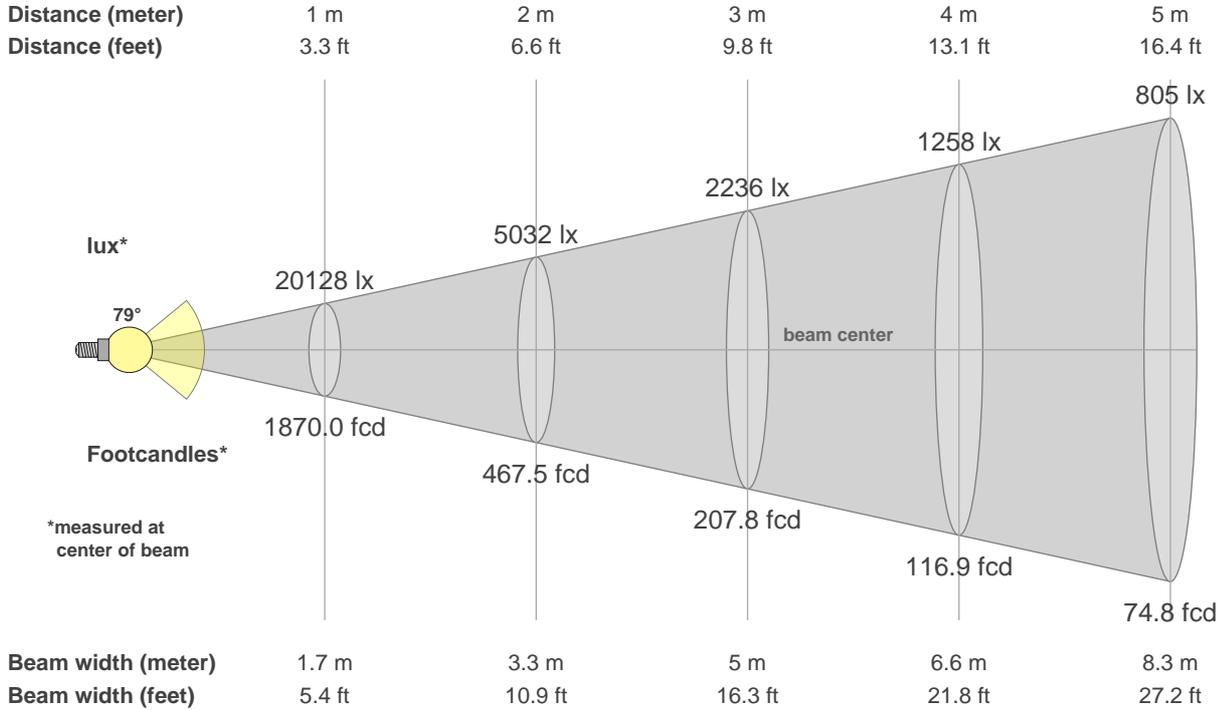
Output – Total Lumen (Up% / Down%)
Efficiency
Peak Intensity
Correlated Color Temperature, CCT
Color Rendering Index

37090 lm – 2.284% / 97.72%
166.9 lm/W
20180 cd
4000 K
CRI 85

Polar light distribution diagram

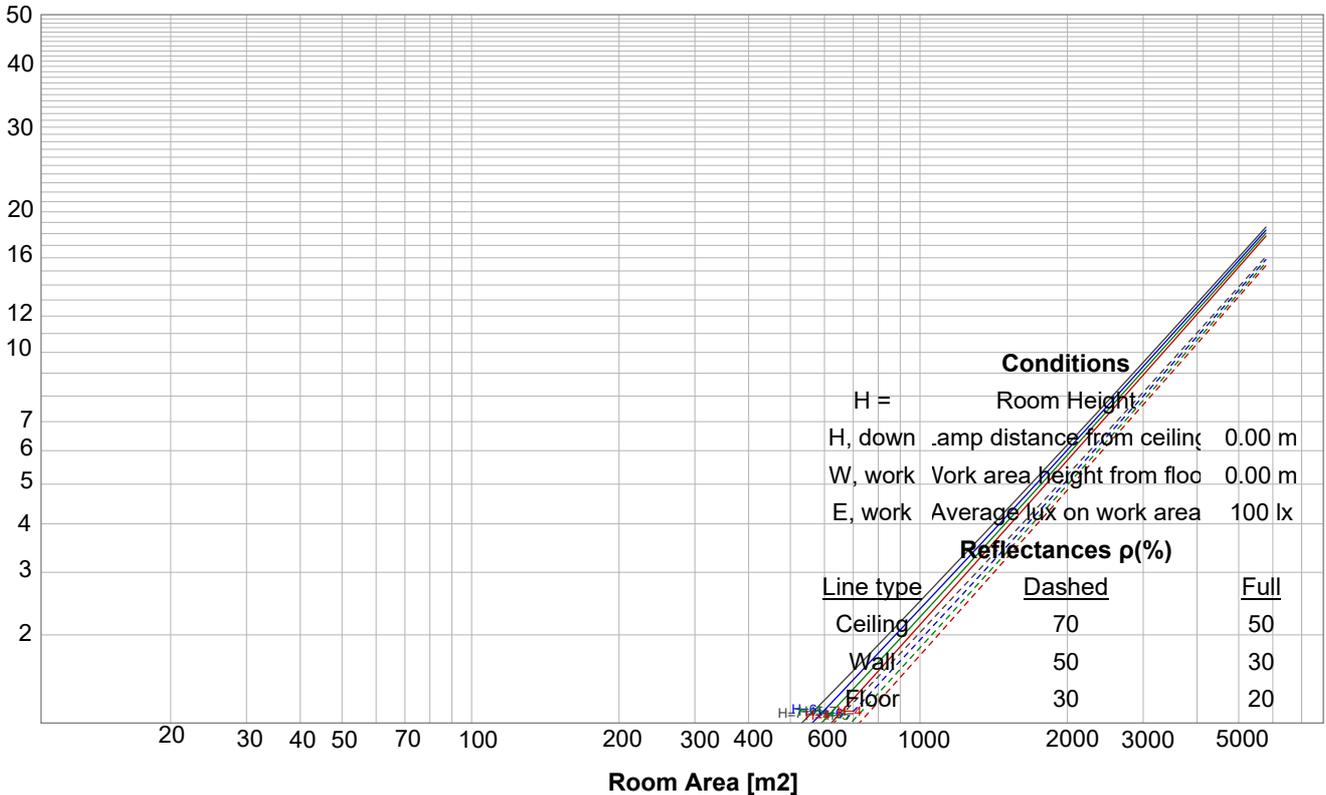


Beam details

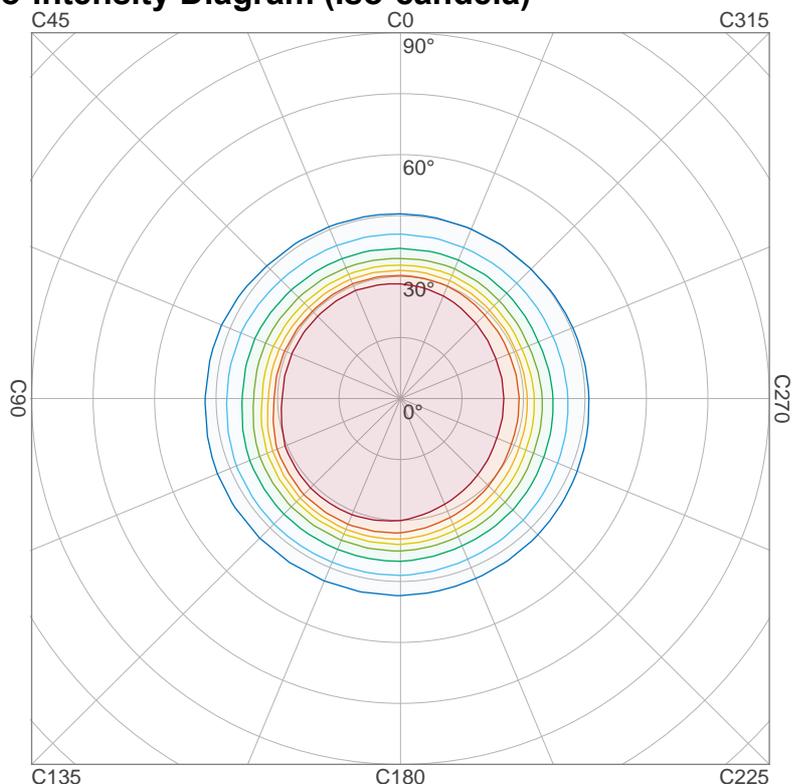


Luminaire budgetary diagram

LAMPS (number of lamps)



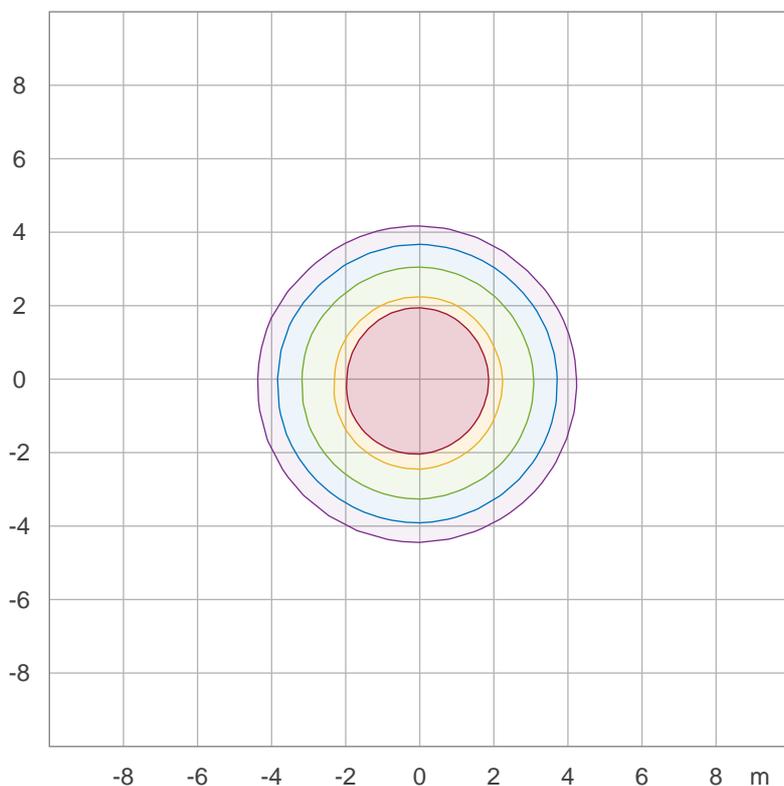
Iso-intensity Diagram (Iso-candela)



90 %	18165.6 cd
80 %	16147.2 cd
70 %	14128.8 cd
60 %	12110.4 cd
50 %	10092.0 cd
40 %	8073.6 cd
30 %	6055.2 cd
20 %	4036.8 cd
10 %	2018.4 cd

Peak intensity: 20184.0 cd
Number of c-planes: 16

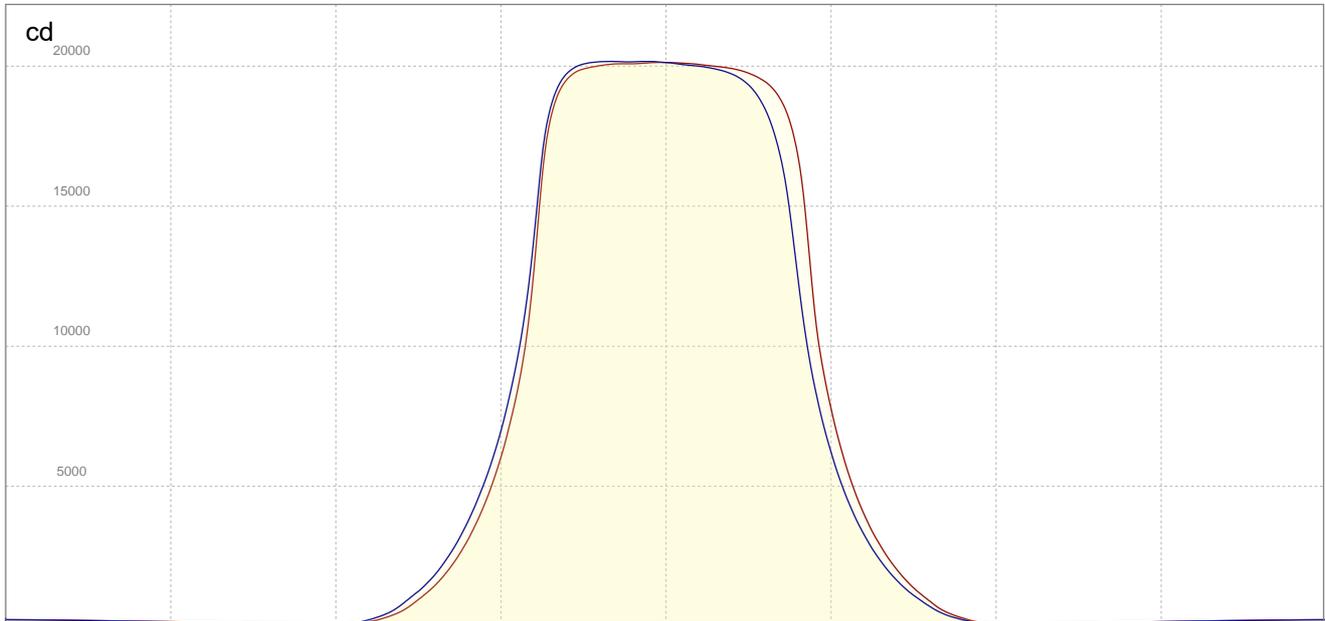
Iso-illuminance Diagram (Iso-lux)



50.0 %	1120 lx
30.0 %	671 lx
10.0 %	224 lx
5.0 %	112 lx
3.0 %	67.1 lx

Peak illuminance: 2240 lx
Mounting height: 3 m
Number of c-planes: 16

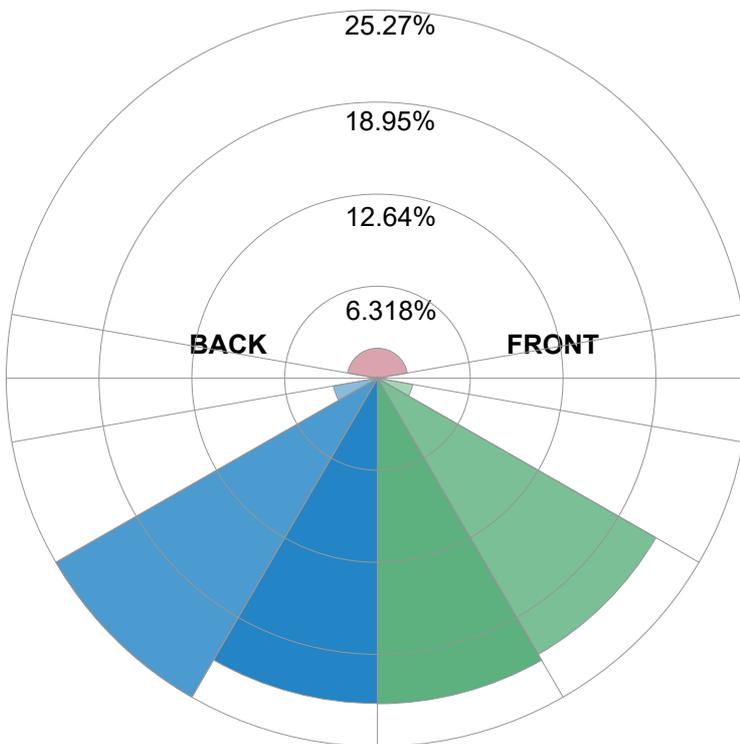
Linear intensity distribution diagram



— C0 - C180
— C90 - C270

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

BUG rating B5 U4 G3



Forward Light

Low (0-30°)	8289	lm	22.35%
Medium (30-60°)	8119	lm	21.89%
High (60-80°)	902.6	lm	2.433%
Very High (80-90°)	63.1	lm	0.1701%

Back Light

Low (0-30°)	8281	lm	22.33%
Medium (30-60°)	9374	lm	25.27%
High (60-80°)	1128	lm	3.042%
Very High (80-90°)	87.02	lm	0.2346%

Uplight

Low (90-100°)	83.02	lm	0.2238%
High (100-180°)	764.3	lm	2.061%

Total

Sum	37090	lm	100%
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