

Test report

Light measurement results

Print date 11/5/2025

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
4/22/2025

Measurement Conditions

Tested c-planes
Tested gamma angles
Input Power

17 – distance {C_PLANES_DIST}°
181 – {H_PLANES_DIST}°
143.2 W

Tested Light Source

Luminaire
Basic Luminous Shape
Item No.
Manufacturer

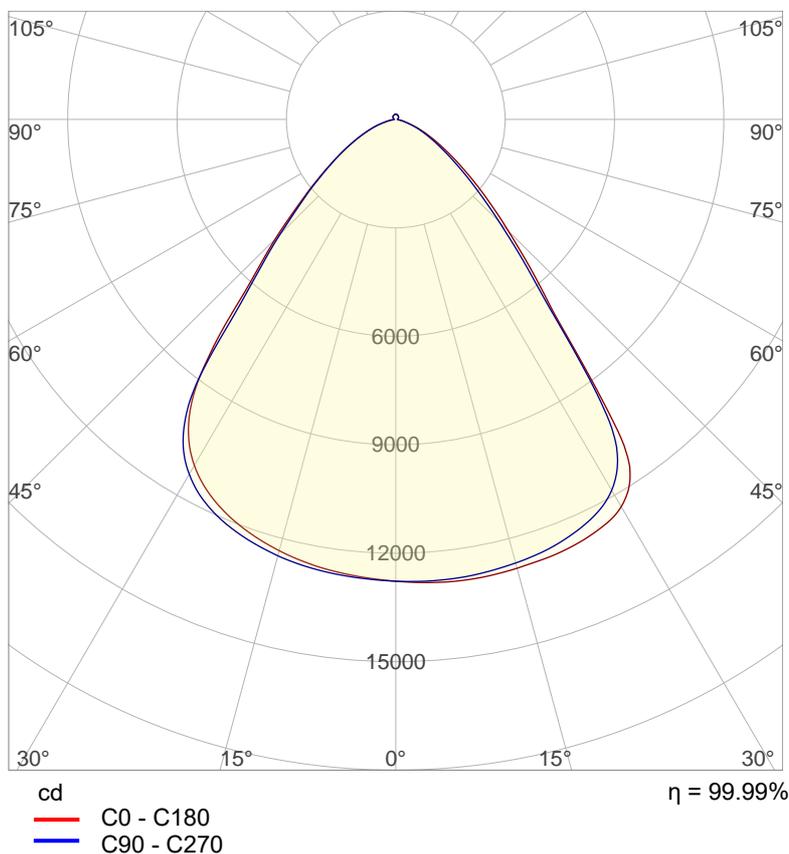
Orbix UFO High Bay - OBX-HB-RD150-01
SPOT
Grizzly Lighting Systems

Main Light Measurement Results

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

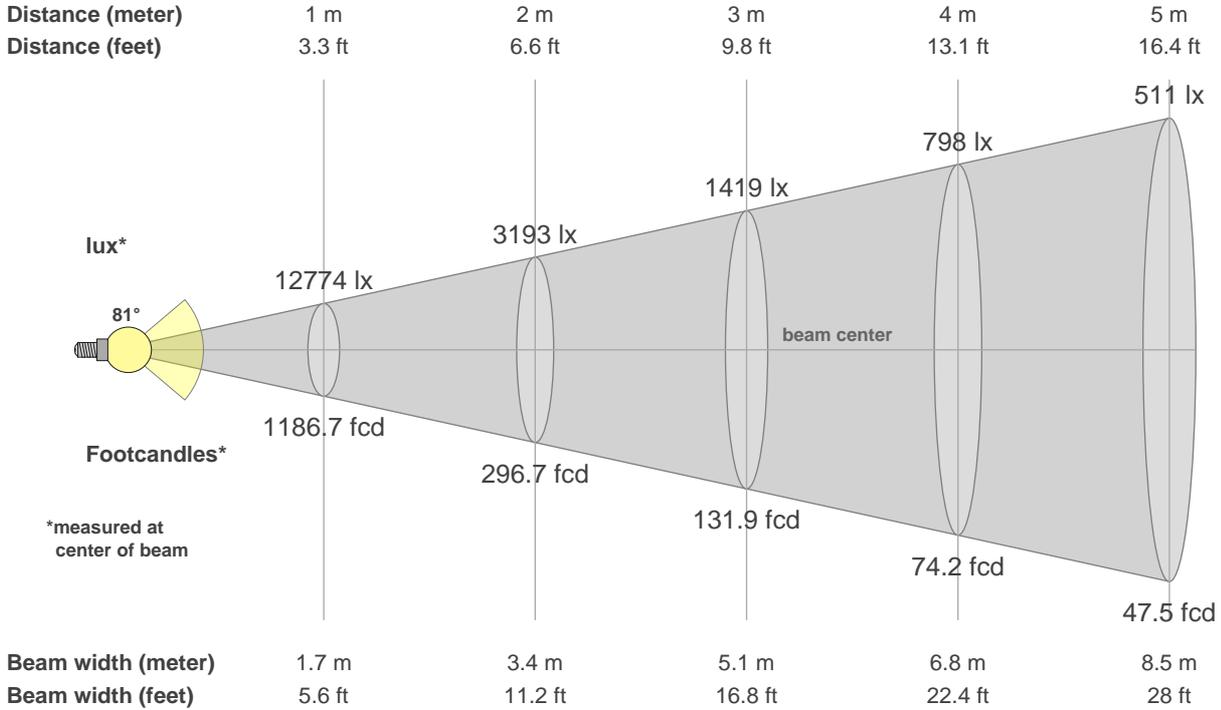
23750 lm – 2.269% / 97.73%
165.8 lm/W
12930 cd
4000 K
CRI 85

Polar light distribution diagram



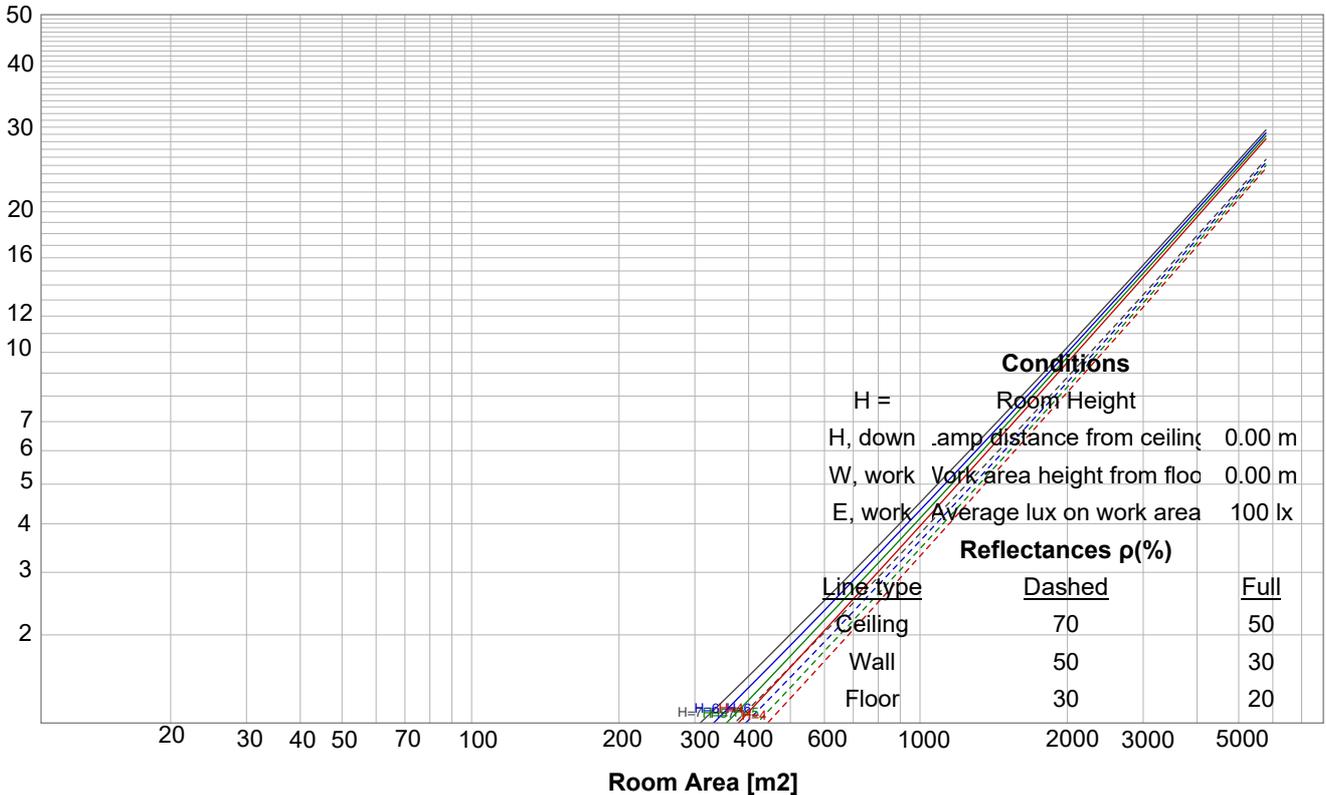
Test report

Beam details

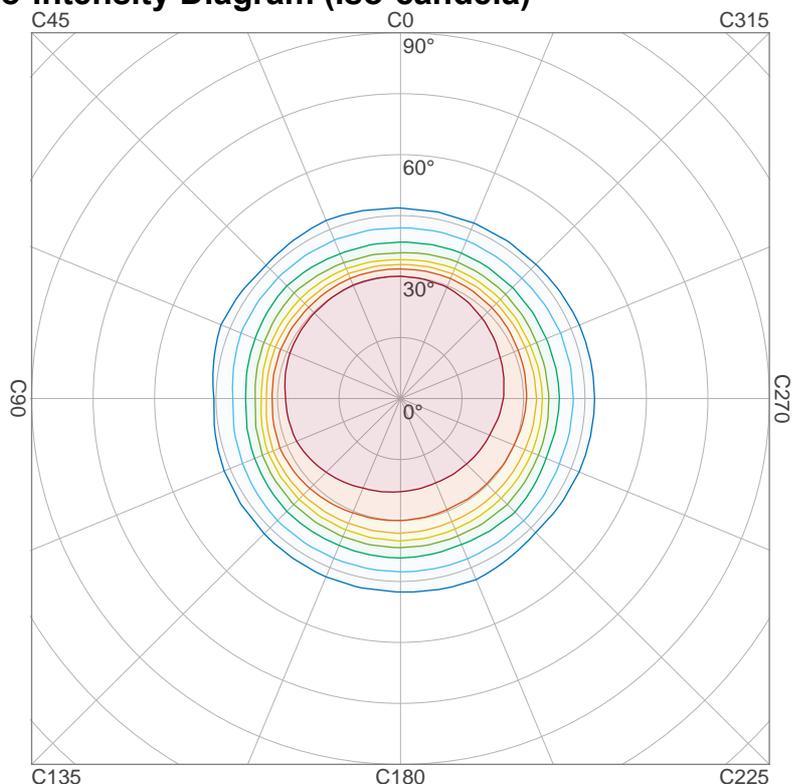


Luminaire budgetary diagram

LAMPS (number of lamps)



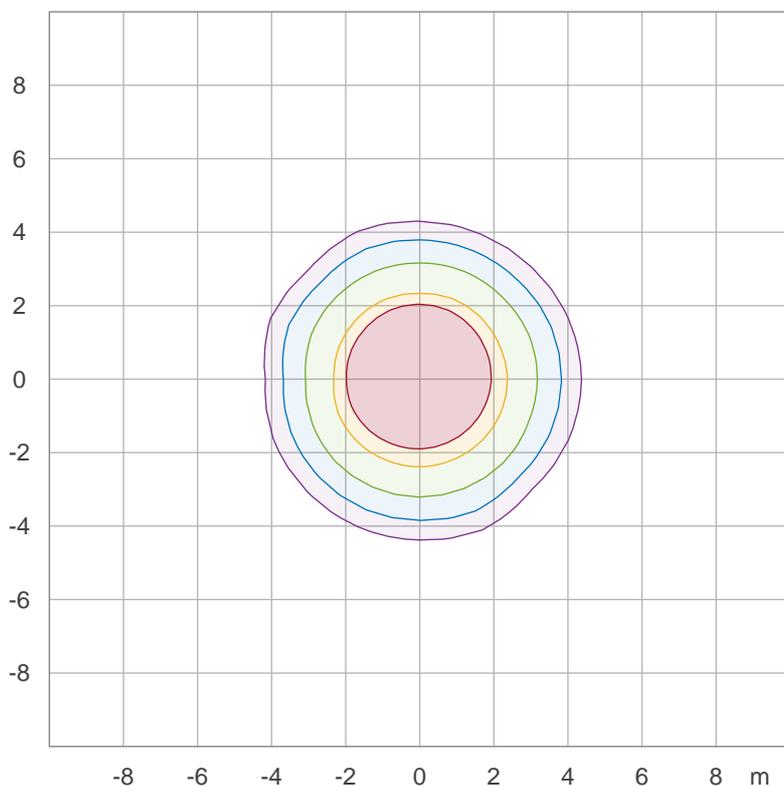
Iso-intensity Diagram (Iso-candela)



90 %	11636.1 cd
80 %	10343.2 cd
70 %	9050.3 cd
60 %	7757.4 cd
50 %	6464.5 cd
40 %	5171.6 cd
30 %	3878.7 cd
20 %	2585.8 cd
10 %	1292.9 cd

Peak intensity: 12929.0 cd
Number of c-planes: 16

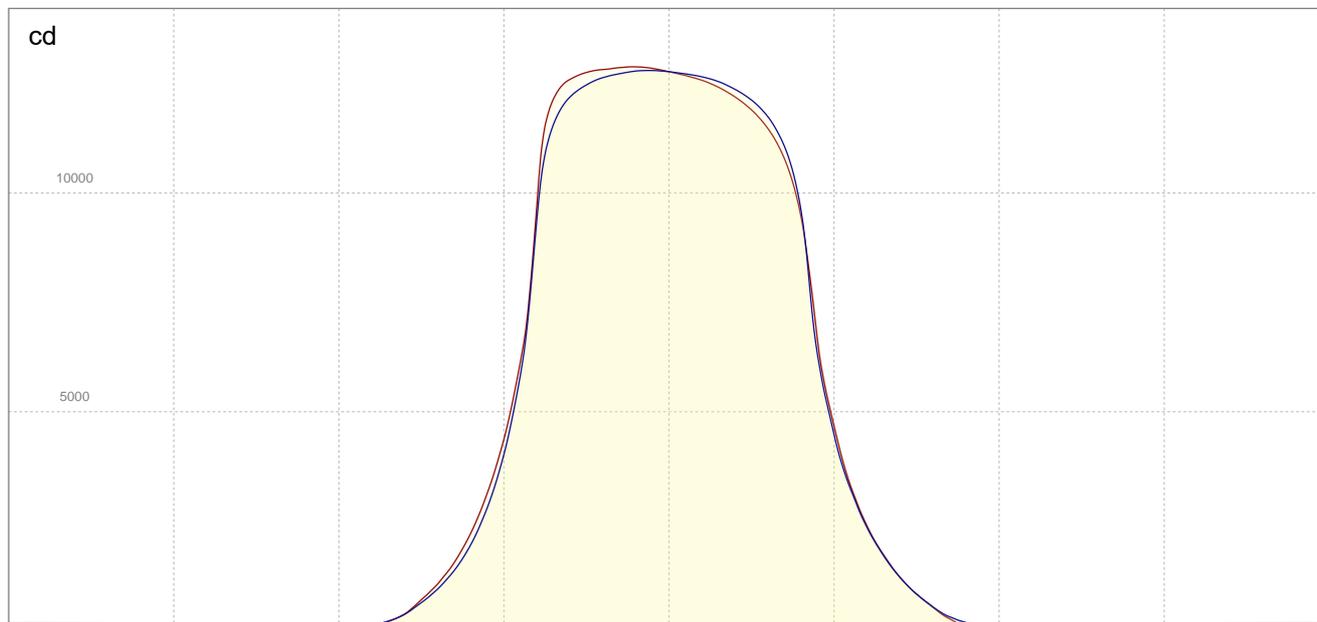
Iso-illuminance Diagram (Iso-lux)



50.0 %	711 lx
30.0 %	426 lx
10.0 %	142 lx
5.0 %	71.1 lx
3.0 %	42.6 lx

Peak illuminance: 1420 lx
Mounting height: 3 m
Number of c-planes: 16

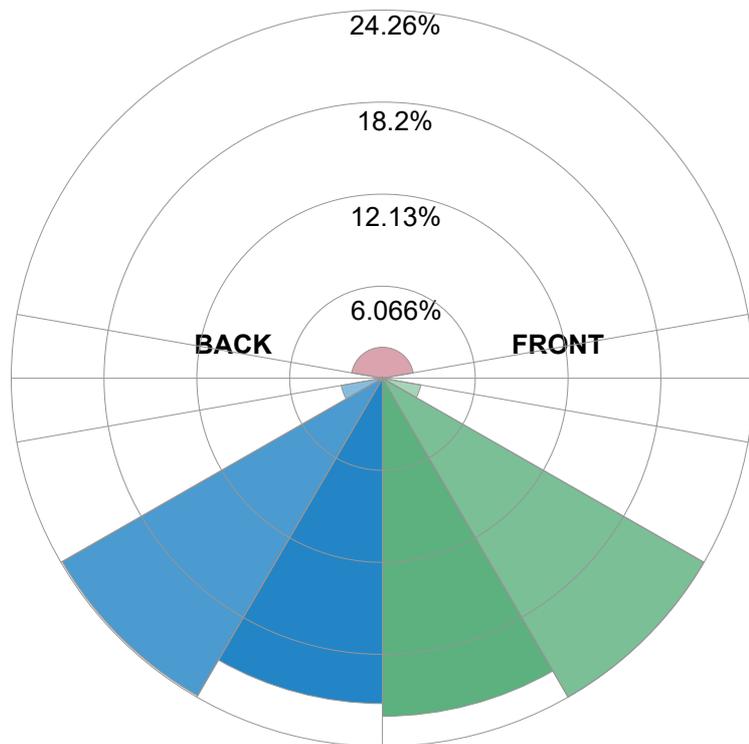
Linear intensity distribution diagram



— C0 - C180
— C90 - C270

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

BUG rating B5 U3 G2



Forward Light

Low (0-30°)	5291	lm	22.28%
Medium (30-60°)	5762	lm	24.26%
High (60-80°)	604.4	lm	2.545%
Very High (80-90°)	33.76	lm	0.1422%

Back Light

Low (0-30°)	5092	lm	21.44%
Medium (30-60°)	5739	lm	24.17%
High (60-80°)	648.8	lm	2.732%
Very High (80-90°)	37.74	lm	0.1589%

Uplight

Low (90-100°)	53.66	lm	0.2259%
High (100-180°)	485.1	lm	2.043%

Total

Sum	23750	lm	100%
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