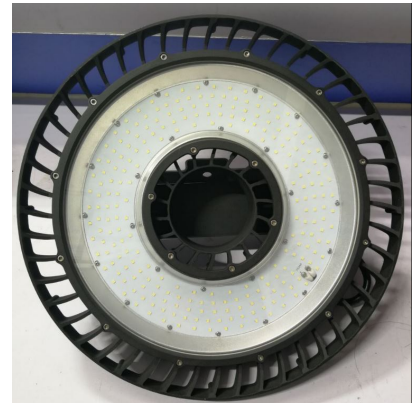


LED UFO Highbay 300W



SECTION 1: GENERAL DESCRIPTION (FIXTURE AND DRIVER)

Model Number	VOL-UFO-300-CW
Voltage	AC 90-305V
Power	300 Watts
Leds	LUMILED SMD 3030
Power Factor	>0.9
Light Output	45000 Lumens
Beam Angle	105 Degrees
Correlated Colour Temperate	6000-6500K
(CCT) Fixture Lifespan	>50,000 Hours
Dimension	400*174mm
Hue	C/W
Material	AL + TG

SECTION 2: CERTIFICATIONS MET

- 1) UL Listing : Underwriters Laboratory testing for dependable reliability and lifespan of fixture.
- 2) RoHS- Restriction of Hazardous Substances- Ensuring no toxic chemicals or materials are used in the manufacturing.
- 3) ISO 9001: Ensuring the manufacturer has the highest possible standards at the facility.
- 4) Food Grade Approved: Fixture is sealed, all parts double fastened, ensuring safety for food manufacturing facilities, withstands heat.

SECTION 3: LIGHT SOURCE DESCRIPTION (LED CHIP)

1)LED Model	SMD PHILIPS 3030
2)Number of LED	326
3)CRI	>80
4)POWER FACTOR	0.95

SECTION 4: ENVIRONMENT SPEC

Operational Temperature Range	-40-55 Degrees Celcius
Preservation Temperature Range	0-50 Degrees Celcius
Operational Humidity	95% RH or below (@-40 Degrees Celcius-55 Degrees Celcius)
IP Rating	IP65
Lifespan	>50,000 hours

SECTION 5: COMPARABLE OLDER LIGHT SOURCE

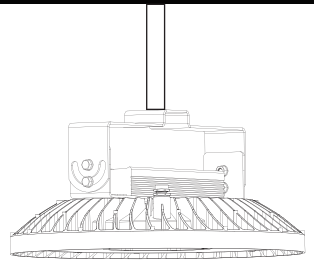
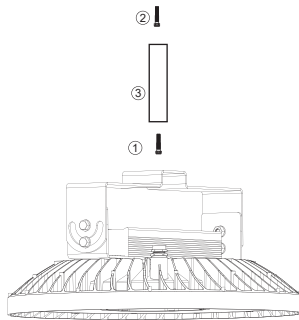
1000 Watt Metal Halide HighBay	300 Watt LED HighBay
1000 Watts of Power	300 Watts of Power
8000 Hour Lifespan	50,000 Hour Lifespan
40% Lumen Depreciation after 1 Year	5% Lumen Depreciation after 1 Year
2 Points of Failure (Ballast + Bulb)	Does not use a Ballast
Carries no warranty	Carries warranty
Contains deadly mercury gas in Bulb	RoHS certified for no toxic components
Takes 4-10 Minutes Start Up Time	Instant Start
Takes 6-15 Minutes Restrike Time	Instant Restrike Time
Produces High Heat, Bulb can cause burns	Slightly Warm to the Touch

Option 3

Step 1

Step 2

- STEP 1. Fix the circular pipe to bracket
STEP 2. Fix screw on the ceiling
STEP 3. Connect circular pipe together with screw

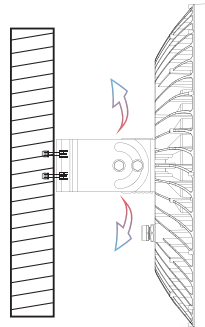
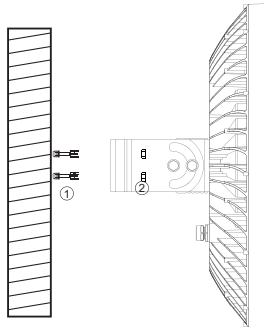


• Pipe mounted

Option 3

Step 1

Step 2

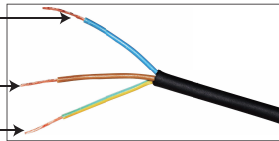


• Surface Mounted

White/blue cable for " N "

Black/Brown cable is for " L "

Green/Yellow for ground wire

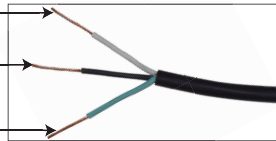


EU flex and plug

N

L

Ground wire



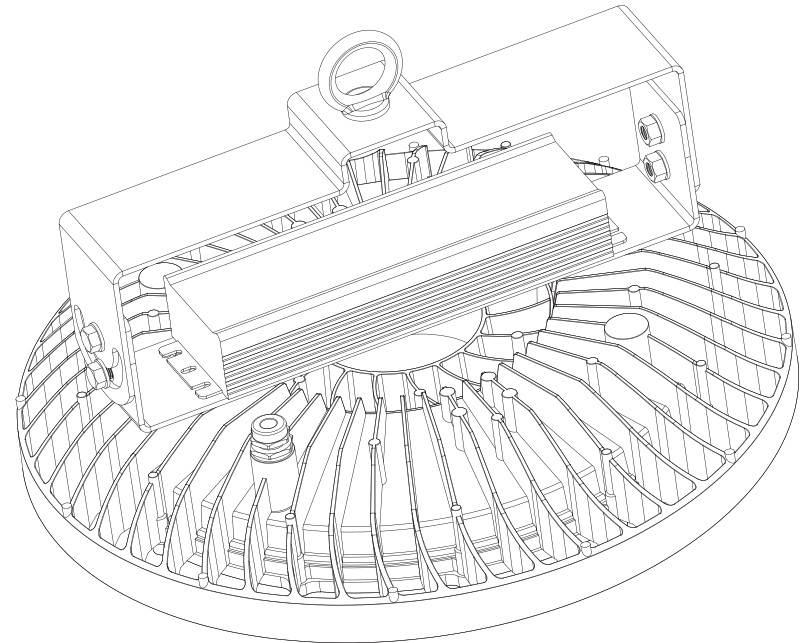
US flex and plug

※Note: If the lamp be used outside, please keep the connector water-proof

völlner[®]
lighting

...the future

Installation Manual



300W UFO LED Light

INTRODUCTION

- Aluminum alloy , super heat conductivity , good heat dissipation .
- Multiple power 300W .
- 3030 SMD LED Chip , High lumen 170lm/w .
- Waterproof IP65 , High thermal conductivity housing . Black and White colour optional .
- Glass lens with transmittance up to 95% .
- Daylight sensor / Microwave sensor + Dimmable available .

SPECIFICATION

Power	300W
Input Voltage Range	90-305VAC/180-528VAC
Luminous Efficiency	170LM/W
Power Factor	0.95
Operating Temperature	-49° F to 149°(-45°C to 65°)
Coolor Temperature	3000/ 4000K/ 5000K/ 6500K
Working Life-span	50000H
Warranty	Three (3) Year
Protection Grade	IP65
Power Cord	Three Cord Cable
The color of the lamp shell	Black/White

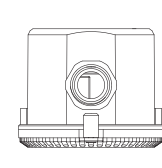
APPLICATION:

Widely use in Workshop, Factory ,Warehouse, Stadium,Exhibition hall,Supermarket,Court,etc.

PRECAUTION

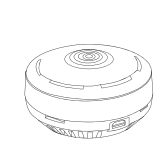
- 1.This lamp is UFO High Bay Light,and installation height is 12 feet above.Best operating environmental temperature:0 C -30 C 。
- 2.Avoid operating in the environments with strong magnetism,high voltage or thunder.
- 3.Wiring of the light should be firm and correct,to avoid fall-off accident or short circuit.
- 4.Clean the cover and heat sink of the high bay regularly,make sure its good heat dissipation.
- 5.Do not use highly corrosive solution to do the cleaning.Dry cleaning cloth is advise.
- 6.The device should be operated with the allowed input voltage only.
- 7.Switch off the power before connecting and wiring the device.
- 8.Installation of the light should be carried out by a qualified technician only.
- 9.Suitable for operation in ambient not exceeding 45 C 。

ACCESSORIES



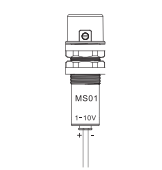
Motion sensor

Automatic dimming when used in combination with 1-10V Built-in adjustable daylight sensor. widely use in warehouse area. Optional mounting brackets for different application.



360° Camera

Network video playback and remote image capture, Support two-way voice intercom, Portable smart WIFI camcorder, 1080P wide angle view Support Android and apple app software



Photocell dimming

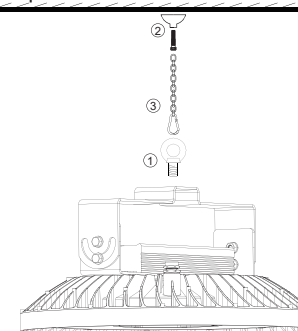
Provide an energy saving without sacrificing visual comfort. With ambient light dependent control. Directly connected to 1-10V interface. Simple setting of the target light level by mean of potentiometer.

INSTALLATION

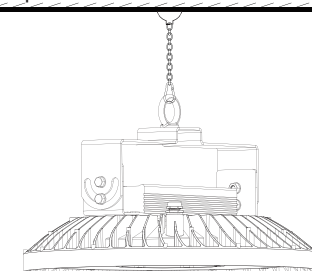
Option 1

Step 1

- STEP 1.Fix hook on bracket
STEP 2.Fix screw to the ceiling
STEP 3.Connect chain to hook



Step 2

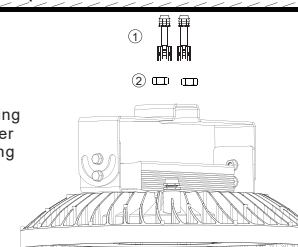


• Suspended mounted

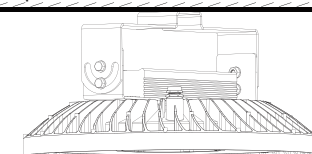
Option 2

Step 1

- STEP 1.Fix the screw to the ceiling
STEP 2.Connect bracket together with screws on the ceiling



Step 2



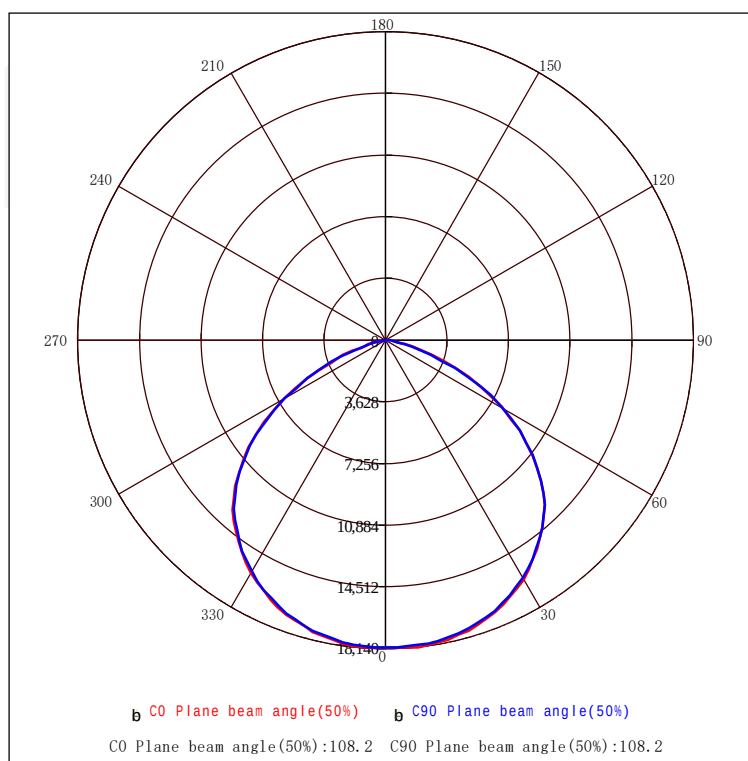
• Ceiling mounted

Lamp Photometric Data

300w UFO high bay

Measured Para U: 220.2V I: 1430.0mA P: 310.50W PF: 0.986 Test LM: 46790.04lm						
Lamp Name: UFO high bay			Lamp Type: Normal Type		Weight(kg): 7.0	
Lamp ID:VOL-UFO-300-CW			Lamp Spec: 300W		Shape Size:	
Manufactory:			Sur(m^2):		Protect Angle(Deg): 105	
Light Source Data			Photometric Data			
Model	300W		Peak Value(cd)	18142.5	Efficiency(lm/w)	150.7
Nominal P(w)		1.0	Position	0.0, 2.0	UP(C0-C180)	0.0
Rated Volt(v)		1.0	Total Flux(lm)	46790.037	Down(C0-C180)	52.8
Rated Flux(lm)		45000.0	Up Flux Rate(%)	0.0	UP(C180-C360)	0.0
Illuminant QTY		1	Dw Flux Rate(%)	100.0	Down(C180-C360)	47.2

Planar Intensity Distribution Curve



Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 2

Temperature(Deg): 26

Tester: TEST1

Distance(m): 7.700

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 52

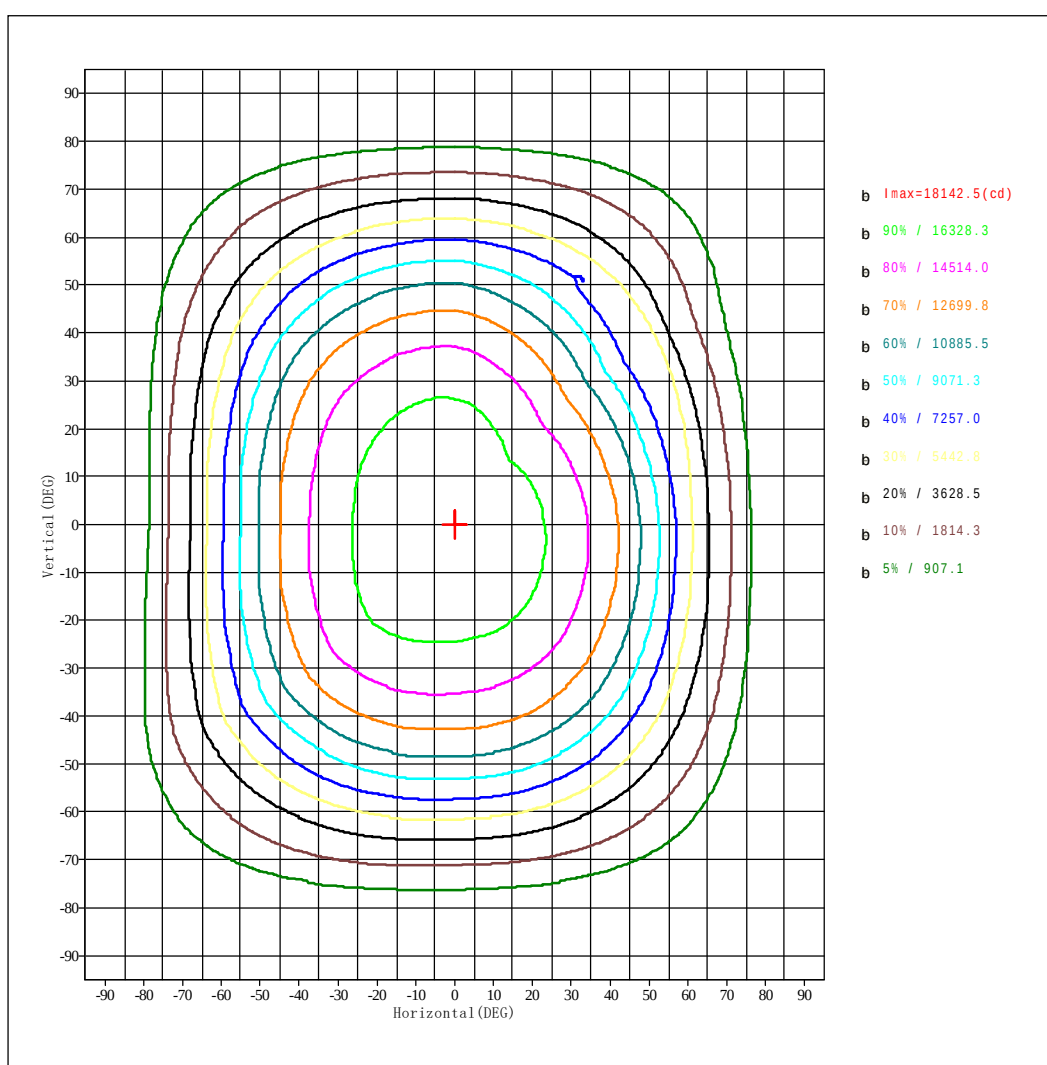
Date: 2017-12-28

Remark:

Lamp Photometric Data

Measured Para U: 220.2V I: 1430.0mA P: 310.50W PF: 0.986 Test LM: 46790.04lm		
Lamp Name: UFO high bay	Lamp Type: Normal Type	Weight(kg): 7.0
Lamp ID:VOL-UFO-300-CW	Lamp Spec: 300W	Shape Size:
Manufactory:	Sur(m ²):	Protect Angle(Deg): 105

Planar IsoCandela Curve



Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 2

Temperature(Deg): 26

Tester: TEST1

Distance(m): 7.700

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 52

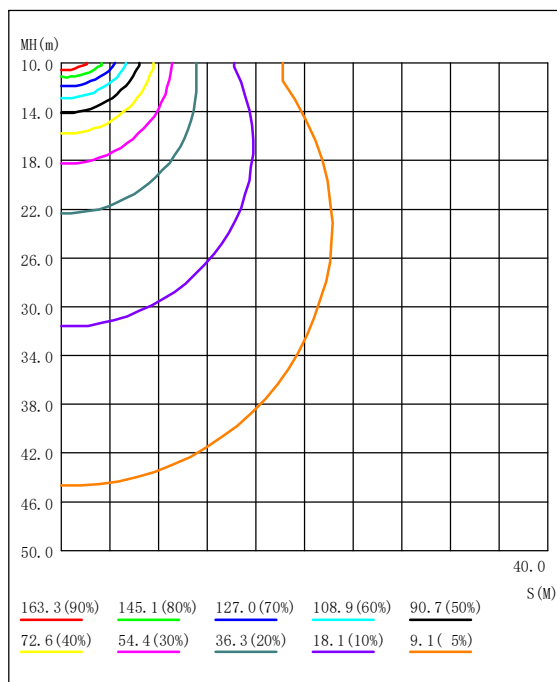
Date: 2017-12-28

Remark:

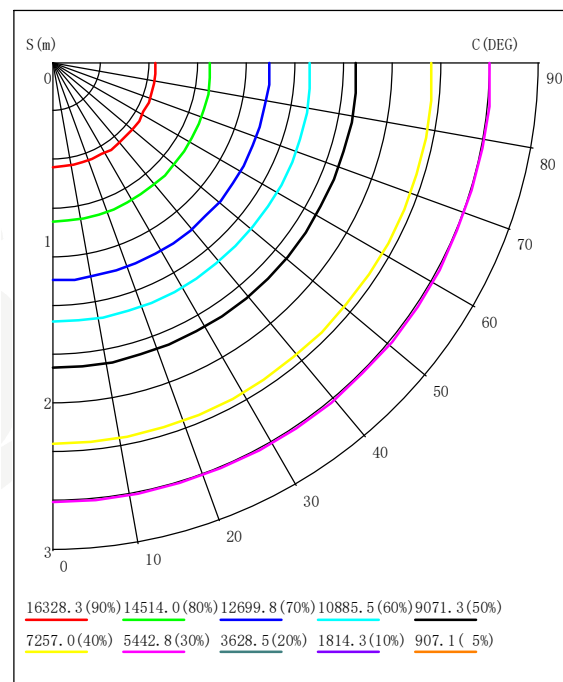
Lamp Photometric Data

Measured Para U: 220.2V I: 1430.0mA P: 310.50W PF: 0.986 Test LM: 46790.04lm		
Lamp Name: UFO high bay	Lamp Type: Normal Type	Weight(kg): 7.0
Lamp ID: VOL-UFO-300-CW	Lamp Spec: 300W	Shape Size:
Manufactory:	Sur(m ²):	Protect Angle(Deg): 105

Spacial ISOLUX Curve



Planar ISOLUX Curve



Gama Angle Range:-90 - 90 (Deg)

Gama interval (Deg): 2

Temperature (Deg): 26

Tester: TEST1

Distance (m): 7.700

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180 (Deg)

C interval (Deg): 45

Humidity (%): 52

Date: 2017-12-28

Remark:

Lamp Photometric Data

Measured Para U: 220.2V I: 1430.0mA P: 310.50W PF: 0.986 Test LM: 46790.04lm		
Lamp Name: UFO high bay	Lamp Type: Normal Type	Weight(kg): 7.0
Lamp ID:VOL-UFO-300-CW	Lamp Spec: 300W	Shape Size:
Manufactory:	Sur(m ²):	Protect Angle(Deg): 105

Luminance Limit Curve

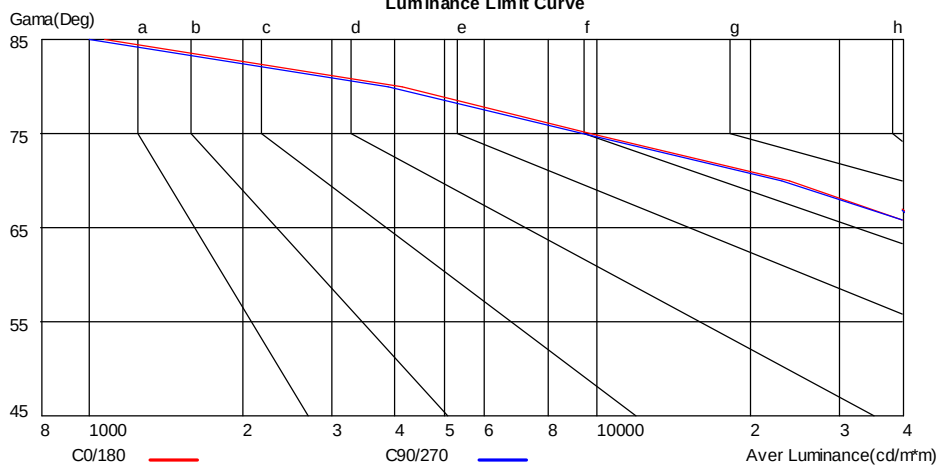
Aver Luminance(cd/m²m)

Gm(Deg)	45	50	55	60	65	70	75	80	85
C0	108106.3	91804.3	72868.9	59168.2	44847.0	23924.3	9727.6	4126.1	1072.6
C90	108316.3	91650.8	72497.3	58546.2	44199.1	23193.2	9389.1	3893.5	998.3

Glare

Glare	Class	Illuminance(x)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limit Curve



Gama Angle Range:-90 - 90 (Deg)

Gama interval (Deg): 2

Temperature (Deg): 26

Tester: TEST1

Distance (m): 7.700

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180 (Deg)

C interval (Deg): 45

Humidity (%): 52

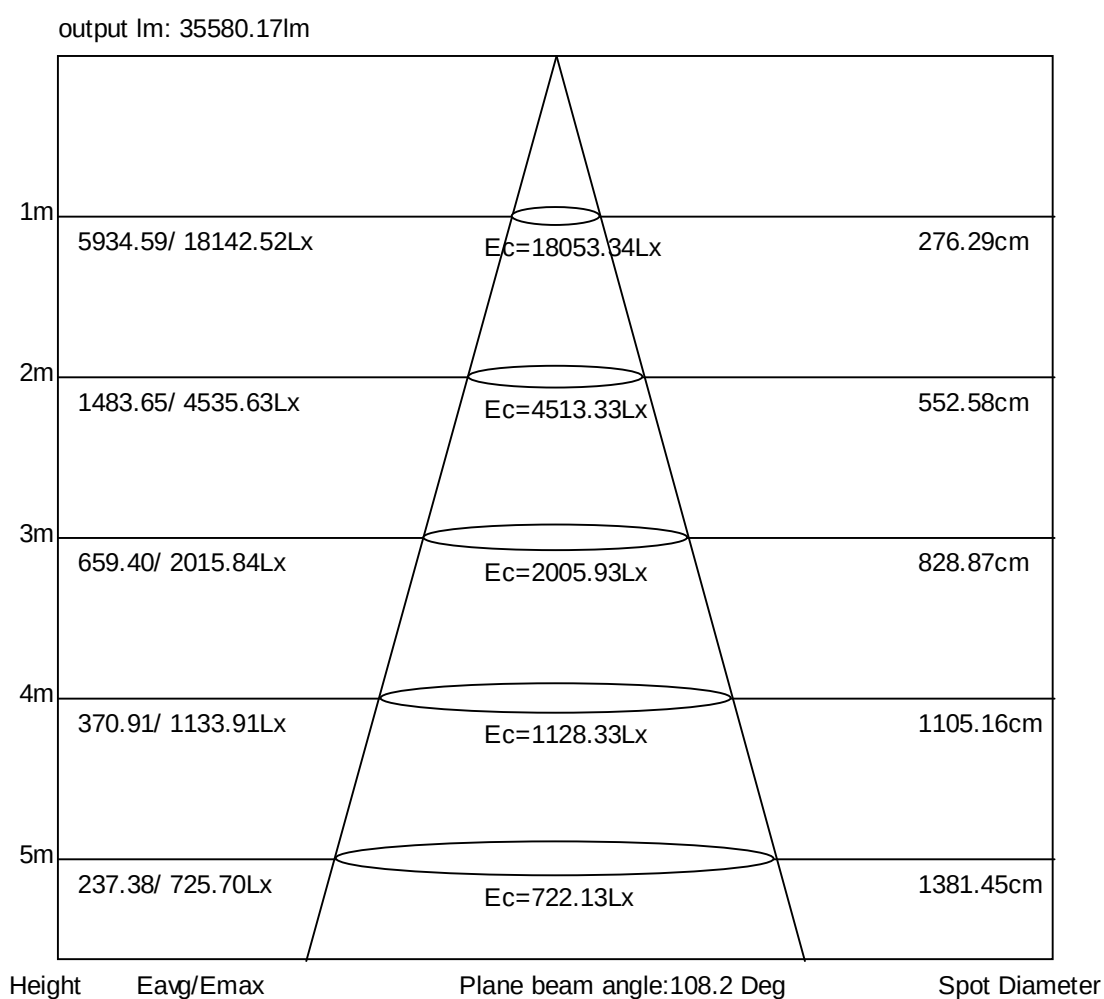
Date: 2017-12-28

Remark:

Lamp Photometric Data

Measured Para U: 220.2V I: 1430.0mA P: 310.50W PF: 0.986 Test LM: 46790.04lm		
Lamp Name: UFO high bay	Lamp Type: Normal Type	Weight(kg): 7.0
Lamp ID: VOL-UFO-300-CW	Lamp Spec: 300W	Shape Size:
Manufactory:	Sur(m ²):	Protect Angle(Deg): 105

Average Illumination



Gama Angle Range: -90 - 90 (Deg)

Gama interval (Deg): 2

Temperature (Deg): 26

Tester: TEST1

Distance (m): 7.700

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180 (Deg)

C interval (Deg): 45

Humidity (%): 52

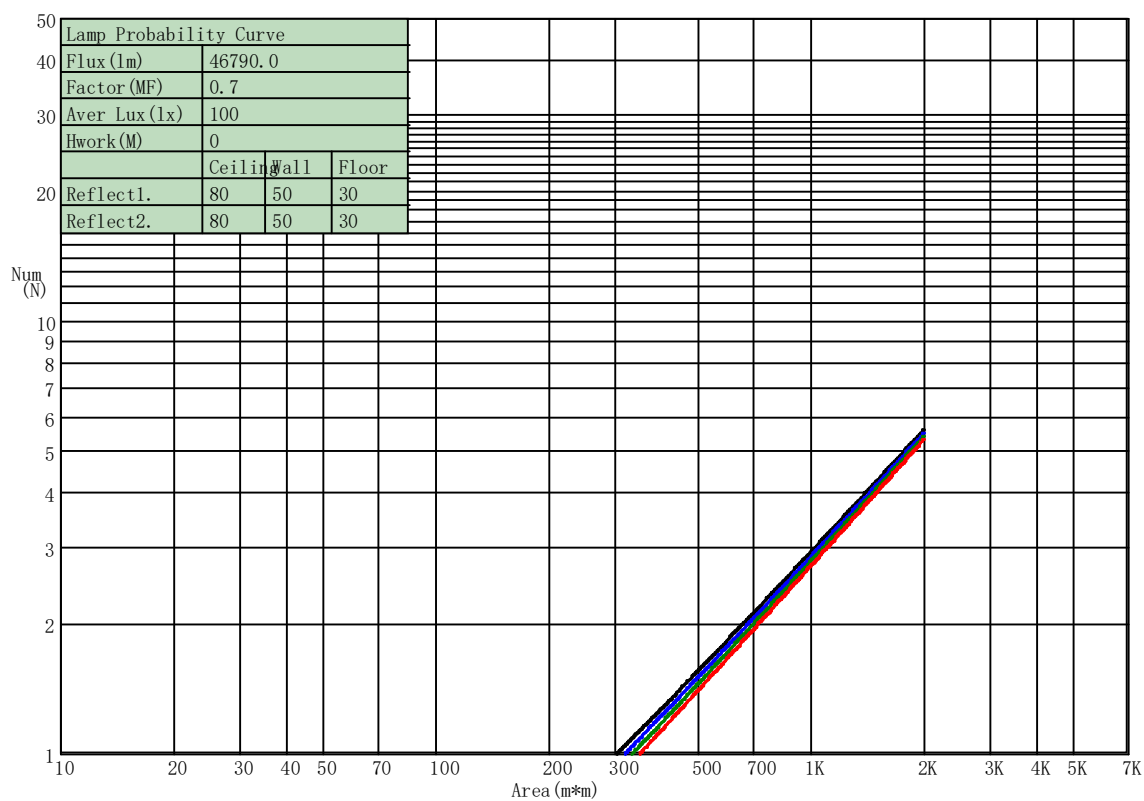
Date: 2017-12-28

Remark:

Lamp Photometric Data

Measured Para U: 220.2V I: 1430.0mA P: 310.50W PF: 0.986 Test LM: 46790.04lm		
Lamp Name: UFO high bay	Lamp Type: Normal Type	Weight(kg): 7.0
Lamp ID: VOL-UFO-300-CW	Lamp Spec: 300W	Shape Size:
Manufactory:	Sur(m ²):	Protect Angle(Deg): 105

Lamp Probability Curve



Gama Angle Range:-90 - 90 (Deg)

Gama interval (Deg): 2

Temperature (Deg): 26

Tester: TEST1

Distance (m): 7.700

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180 (Deg)

C interval (Deg): 45

Humidity (%): 52

Date: 2017-12-28

Remark: