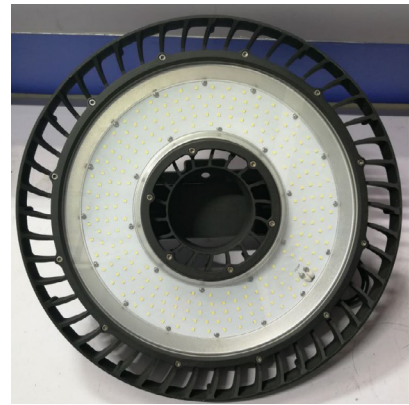




LED UFO HIGHBAY 300W

VOL-UFO-300-CW



SECTION 1: SPECIFICATIONS

POWER	300W
VOLTAGE	AC 90-305V
LEDS	LUMILED SMD 3030
POWER FACTOR	>0.9
LIGHT OUTPUT	45000 lm
BEAM ANGLE	105°
CCT	6000-6500K (CW)
FIXTURE LIFESPAN	>50,000 HRS
DIMENSIONS	400 x 174 mm
MATERIAL	AL + TG

SECTION 2: OTHER CERTIFICATIONS

FOOD GRADE APPROVED: FIXTURE IS SEALED, ALL PARTS DOUBLED FASTENED, ENSURING SAFETY FOR FOOD MANUFACTURING FACILITIES

CERTIFICATIONS



SECTION 3: LIGHT SOURCE DESCRIPTION (LED CHIP)

LED MODEL	SMD PHILIPS 3030
NUMBER OF LEDS	326
CRI	>80

SECTION 4: ENVIRONMENT SPEC

OPERATIONAL TEMPERATURE RANGE	-40° - +55° C
PRESERVATION TEMPERATURE RANGE	0° - +50° C
OPERATIONAL HUMIDITY	95% RH OR BELOW (@ -40° - +55°C)
LIFESPAN	>50,000 HOURS
IP RATING	65

SECTION 5: COMPARABLE OLDER LIGHT SOURCE

300W LED HIGHBAY	1000W METAL HALIDE HIGHBAY
300 WATTS POWER	1000 WATTS POWER
50,000 HOUR LIFESPAN	8000 HOUR LIFESPAN
5% LUMEN DEPRECIATION AFTER 1 YEAR	40% LUMEN DEPRECIATION AFTER 1 YEAR
DOES NOT USE A BALLAST	2 POINTS OF FAILURE (BALLAST + BULB)
CARRIES WARRANTY	CARRIES NO WARRANTY
RoHS CERTIFIED FOR NO TOXIC COMPONENTS	CONTAINS DEADLY MERCURY GAS IN BULB
INSTANT START	TAKES 4-10 MINUTES START UP TIME
INSTANT RESTRIKE TIME	TAKES 6-15 MINUTES RESTRIKE TIME
SLIGHTLY WARM TO THE TOUCH	PRODUCES HIGH HEAT, BULB CAN CAUSE BURNS

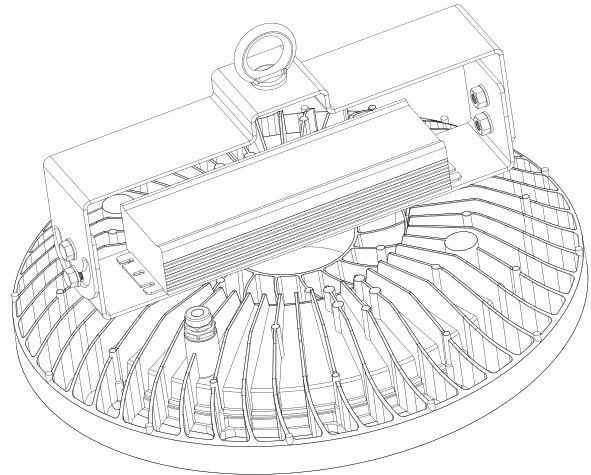
SECTION 6: INSTALLATION MANUAL

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



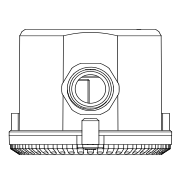
APPLICATION:

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

PRECAUTION

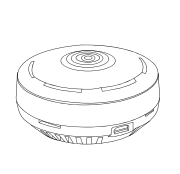
- 1.This lamp is UFO High Bay Light,and installation height is 12 feet above.Best operating environmental temperature:0℃-30℃ .
- 2.Avoid operating in the environments with strong magnetism,high voltage or thunder.
- 3.Wiring of the light should be firm and correct,to avoid fall-off accident or short 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℃ .

ACCESSORIES



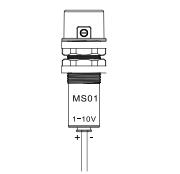
Motion sensor

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

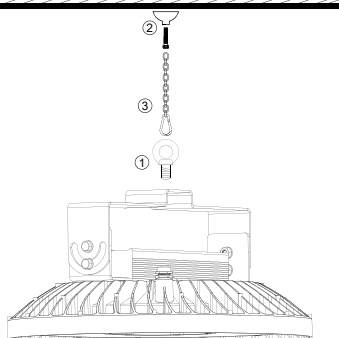
Provide an energy saving without sacrificing visual comfort.
With ambient light dependent control.
Directly connected to 1-10V interface.
Simple setting of the target light level by mean of potentiometer.

INSTALLATION

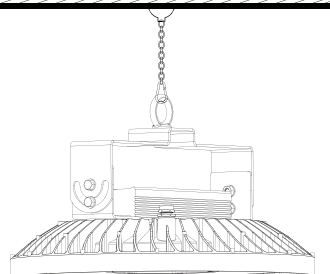
Option 1

Step 1

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



Step 2

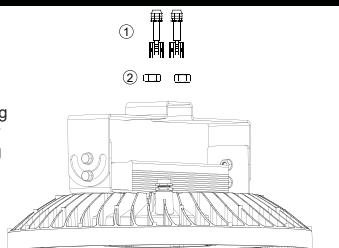


• Suspended mounted

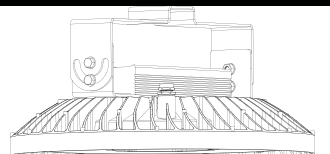
Option 2

Step 1

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



Step 2

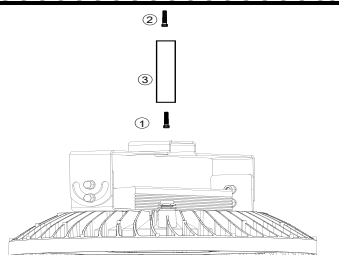


• Ceiling mounted

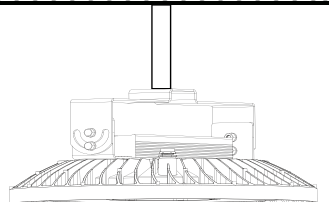
Option 3

Step 1

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



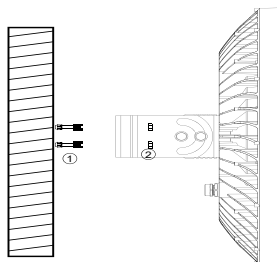
Step 2



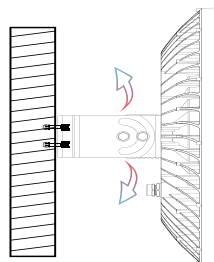
• Pipe mounted

Option 3

Step 1



Step 2

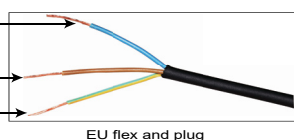


• Surface Mounted

White/blue cable for " N "

Black/Brown cable is for " L "

Green/Yellow for ground wire

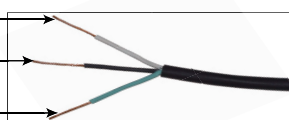


EU flex and plug

N

L

Ground wire



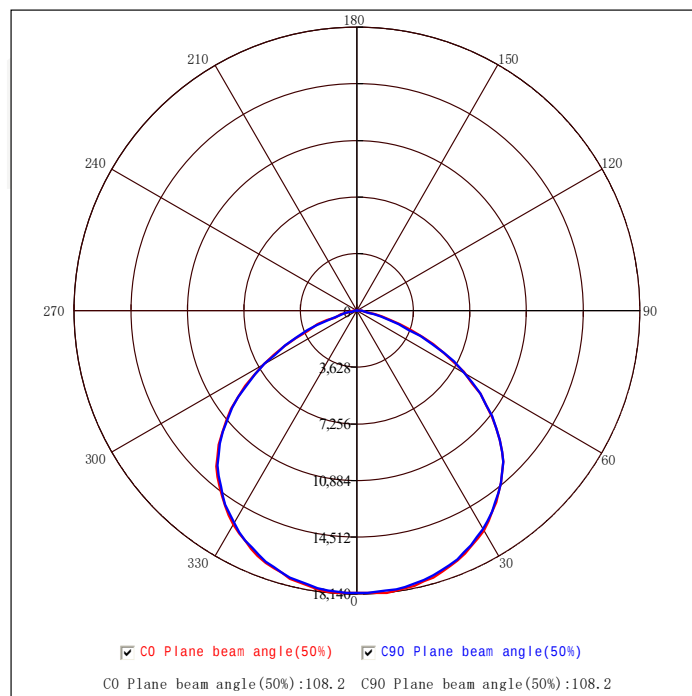
US flex and plug

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

SECTION 7: 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
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

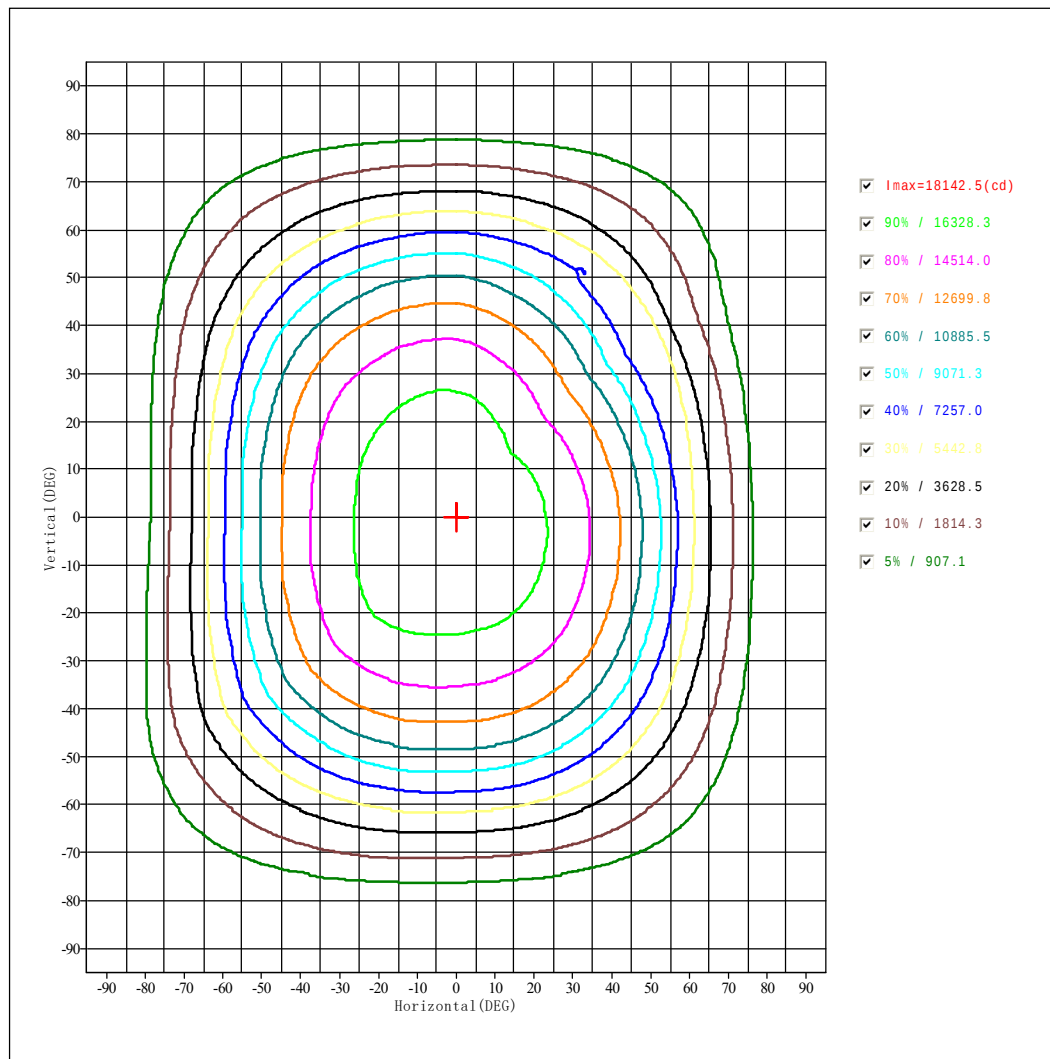
Humidity(%): 52

Date: 2017-12-28

Remark:

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

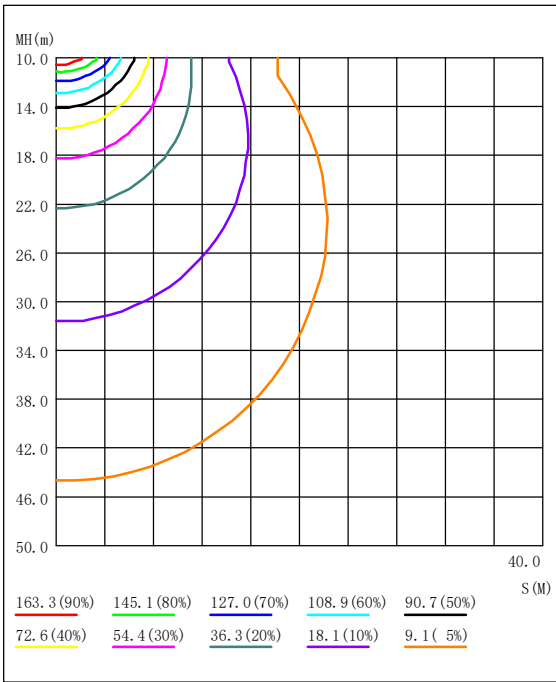
Humidity(%): 52

Date: 2017-12-28

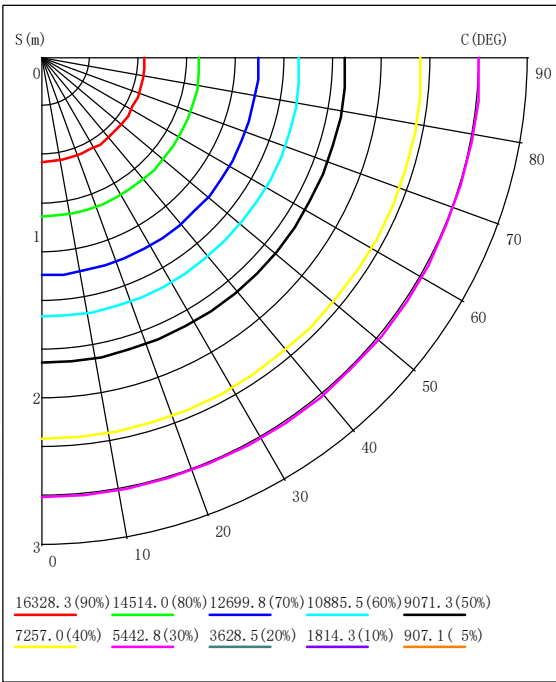
Remark:

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

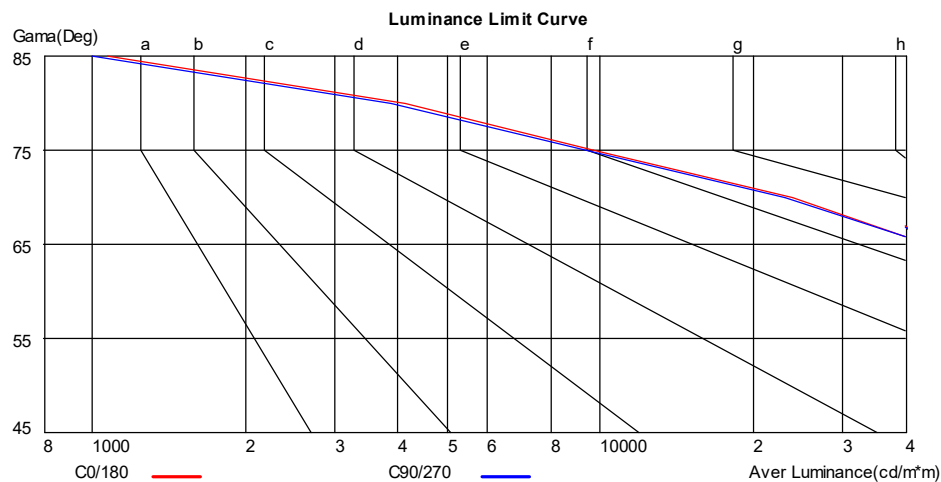
Remark:

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/m ² m)									
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(lx)							
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



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

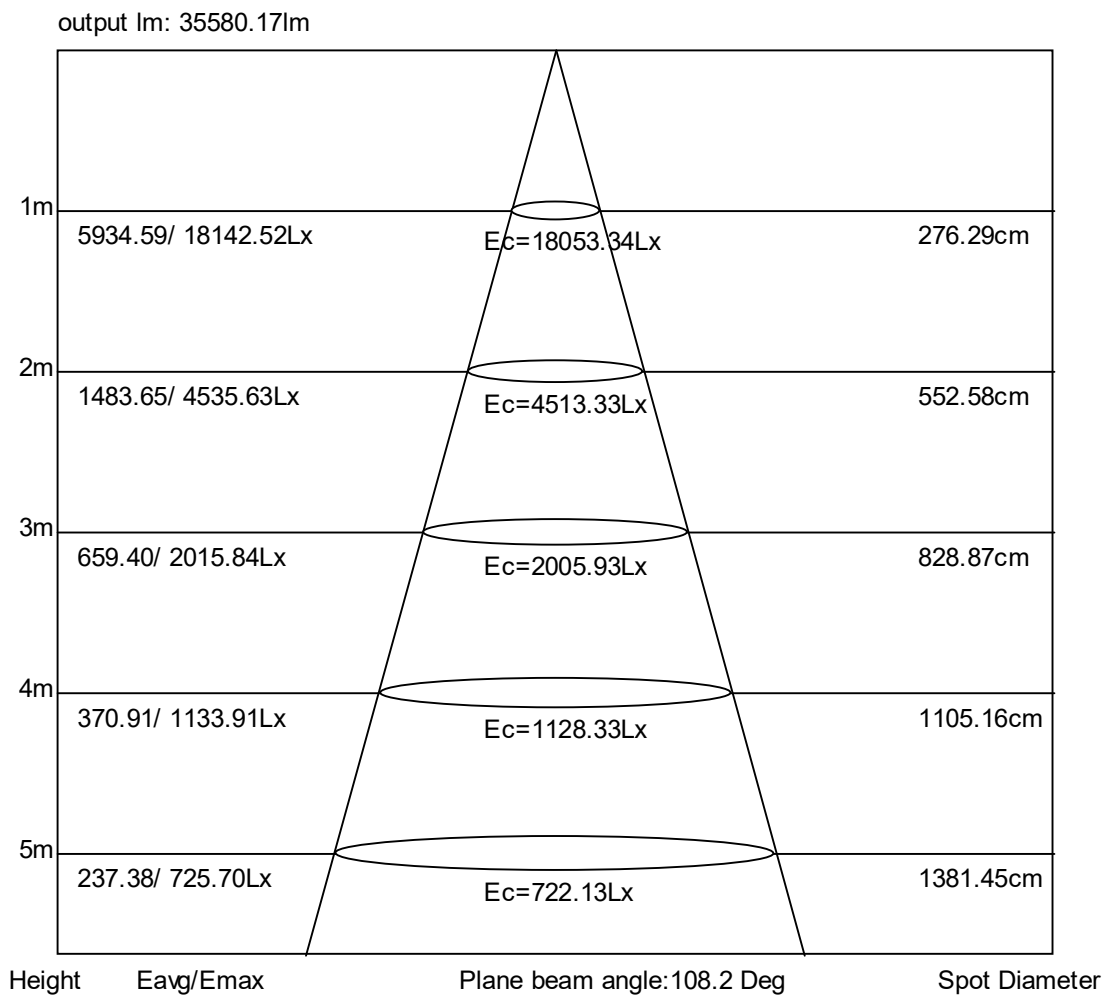
Humidity (%): 52

Date: 2017-12-28

Remark:

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

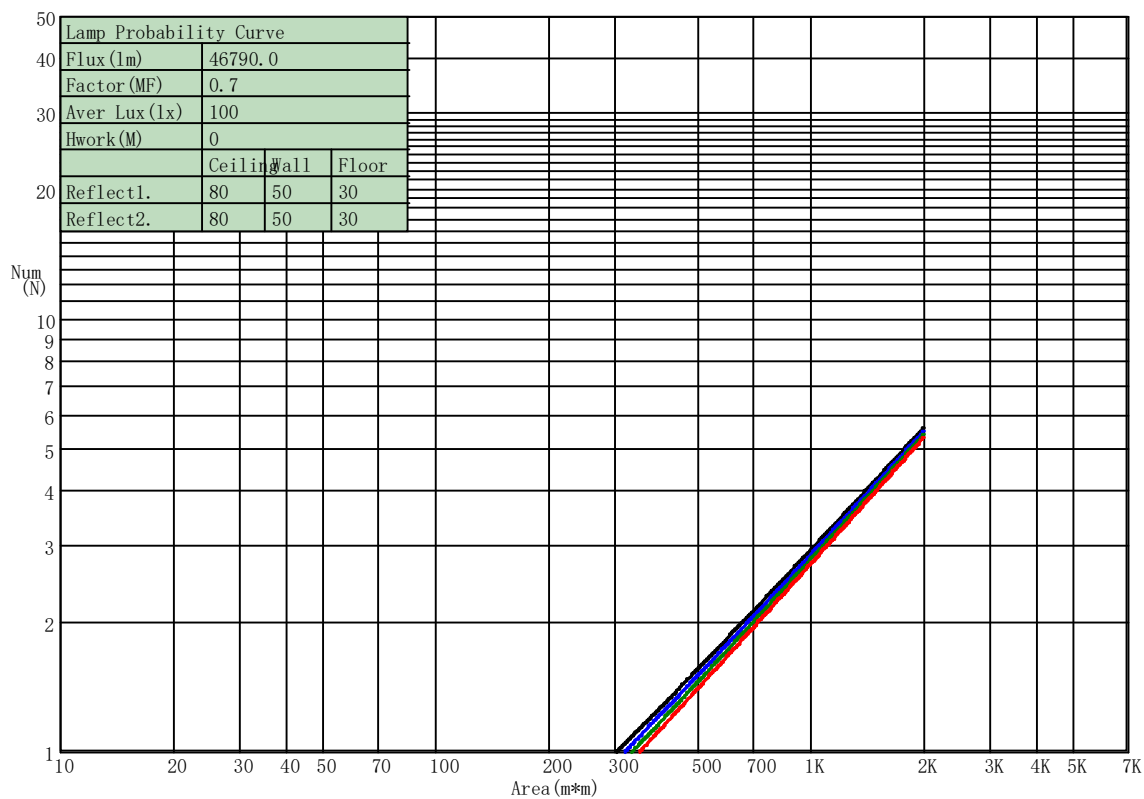
Humidity (%): 52

Date: 2017-12-28

Remark:

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: