

8 INCH 18W COOL WHITE DOWNLIGHT

VOL-8DL-018-CW



SECTION 1: SPECIFICATIONS

POWER	18 W
VOLTAGE	85-277 V
MATERIAL	ALUMINUM, POLYMETHYL METHACRYLATE
LIGHT OUTPUT	1530 lm
BEAM ANGLE	120°
CCT	6000-6500K (CW)
IP RATING	30
FIXTURE LIGHT SPAN	50,000 HOURS
HUE	COOL WHITE
SIZE	8 INCH

CERTIFICATIONS

RoHS
Compliant

CE

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SECTION 2: LIGHT SOURCE DESCRIPTION (LED CHIP)

LED TYPE	2835 SMD EPISTAR
NUMBER OF LEDS	90

SECTION 3: COMPARABLE OLDER LIGHT SOURCE

8 INCH LED DOWNLIGHT

1530 LUMENS

18 WATT

50,000 HOUR LIFESPAN

WITHSTAND VOLTAGE SURGES

AVAILABLE IN WARM & COOL

8 INCH METAL HALIDE DOWNLIGHT

982 LUMENS

30 WATT POWER

200 HOUR LIFESPAN

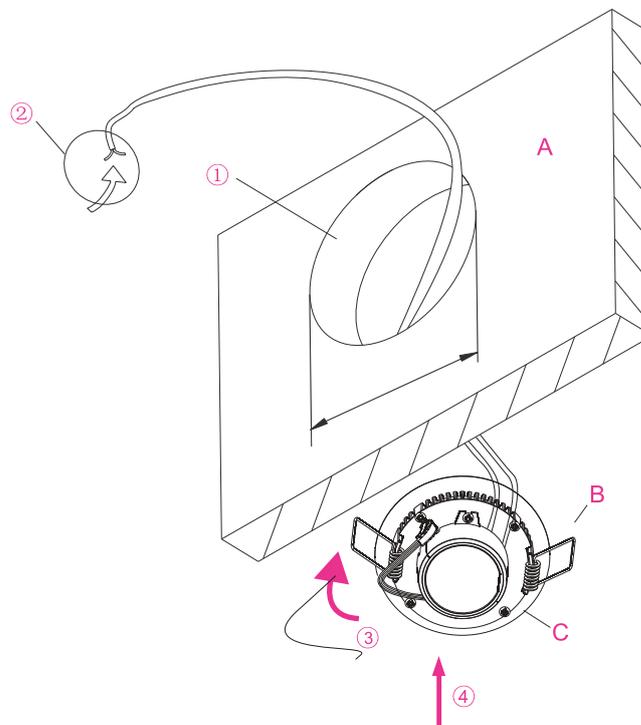
FILAMENT DESTROYED WITH SMALL VOLTAGE SURGES

ONLY AVAILABLE IN WARM

SECTION 4: INSTALLATION DETAILS

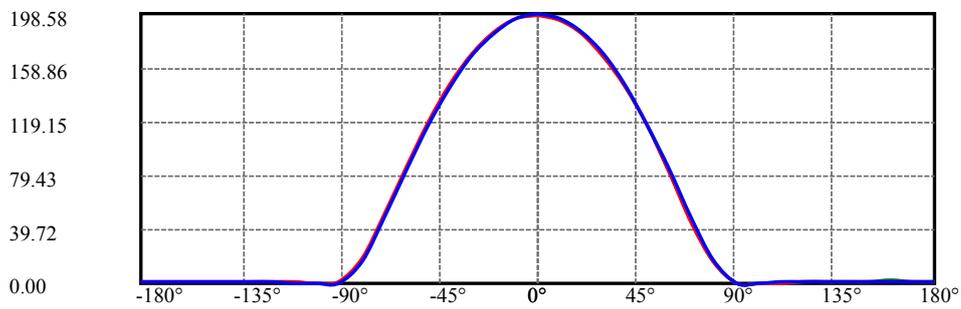
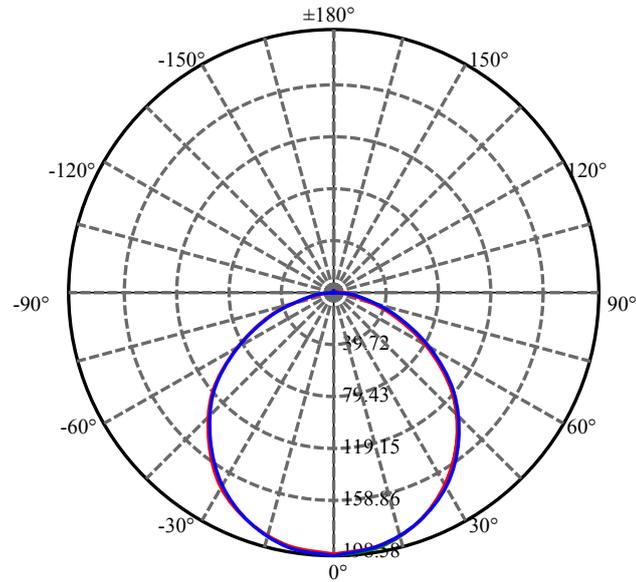
①	make a hole
②	connect the power wire
③	push spring
○	Driver

A	Wall
B	Spring
C	LED lamp
D	Driver



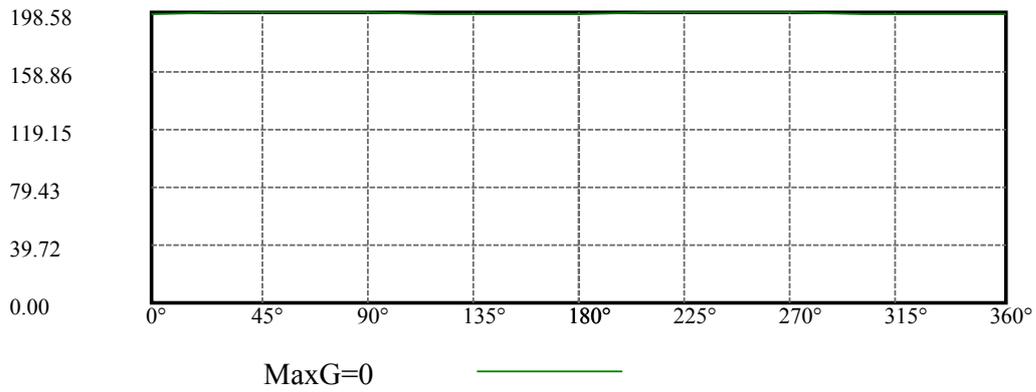
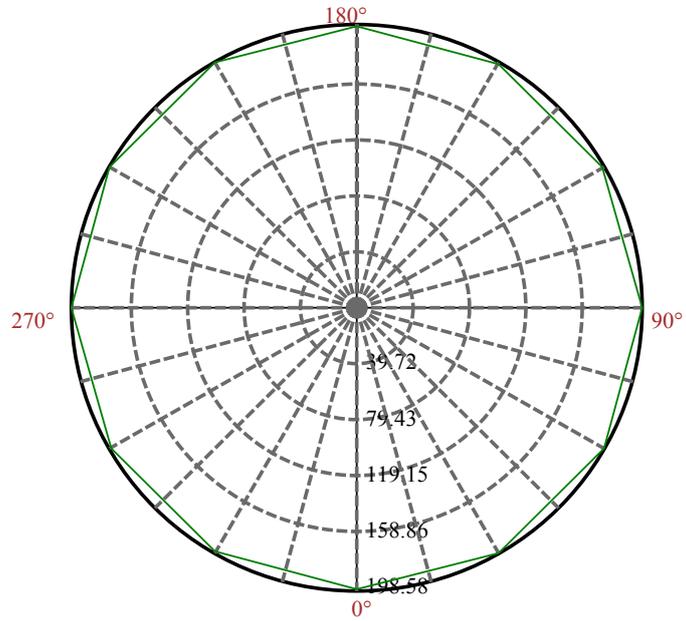
SECTION 5: PHOTOMETRIC DISTRIBUTION

LUMINOUS INTENSITY DISTRIBUTION CURVE

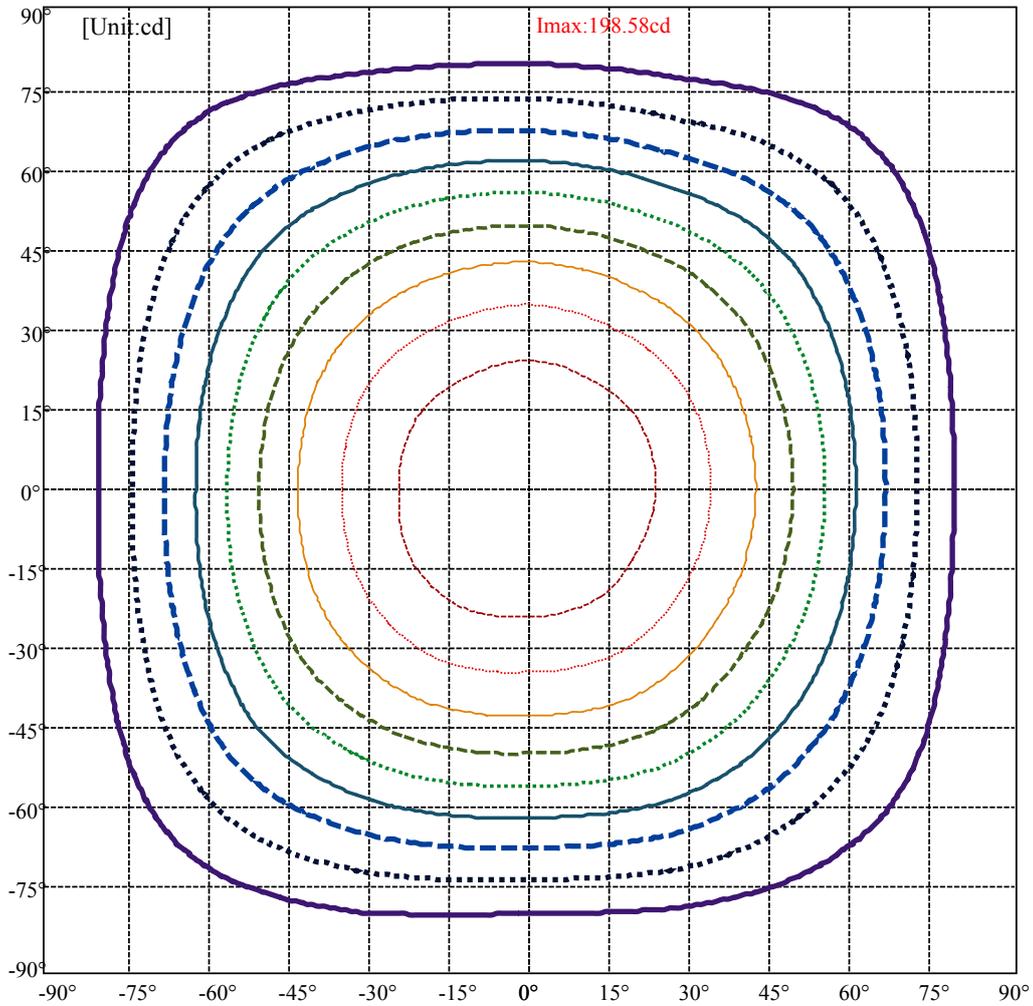


C30(Max): —
 C0/C180: —
 C90/C270: —

LUMINOUS INTENSITY DISTRIBUTION CURVE



SECTION 7: ISO-INTENSITY (V-H)



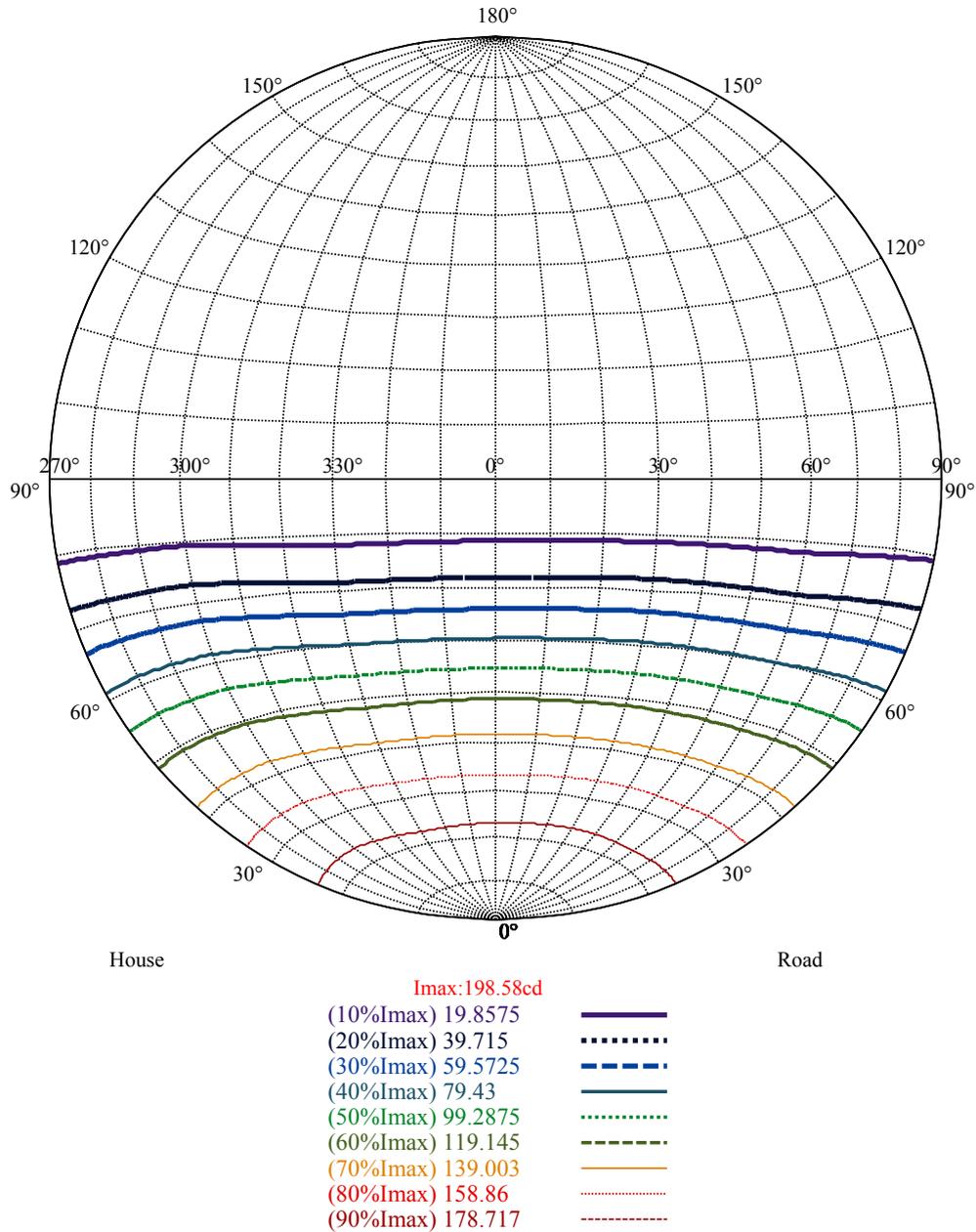
(10%Imax) 19.8068	—
(20%Imax) 39.6136	⋯
(30%Imax) 59.4204	- - -
(40%Imax) 79.2272	—
(50%Imax) 99.034	⋯
(60%Imax) 118.841	- - -
(70%Imax) 138.648	—
(80%Imax) 158.454	⋯
(90%Imax) 178.261	- - -

Equipment: GMS1800B
Temperature(°C): 25.0

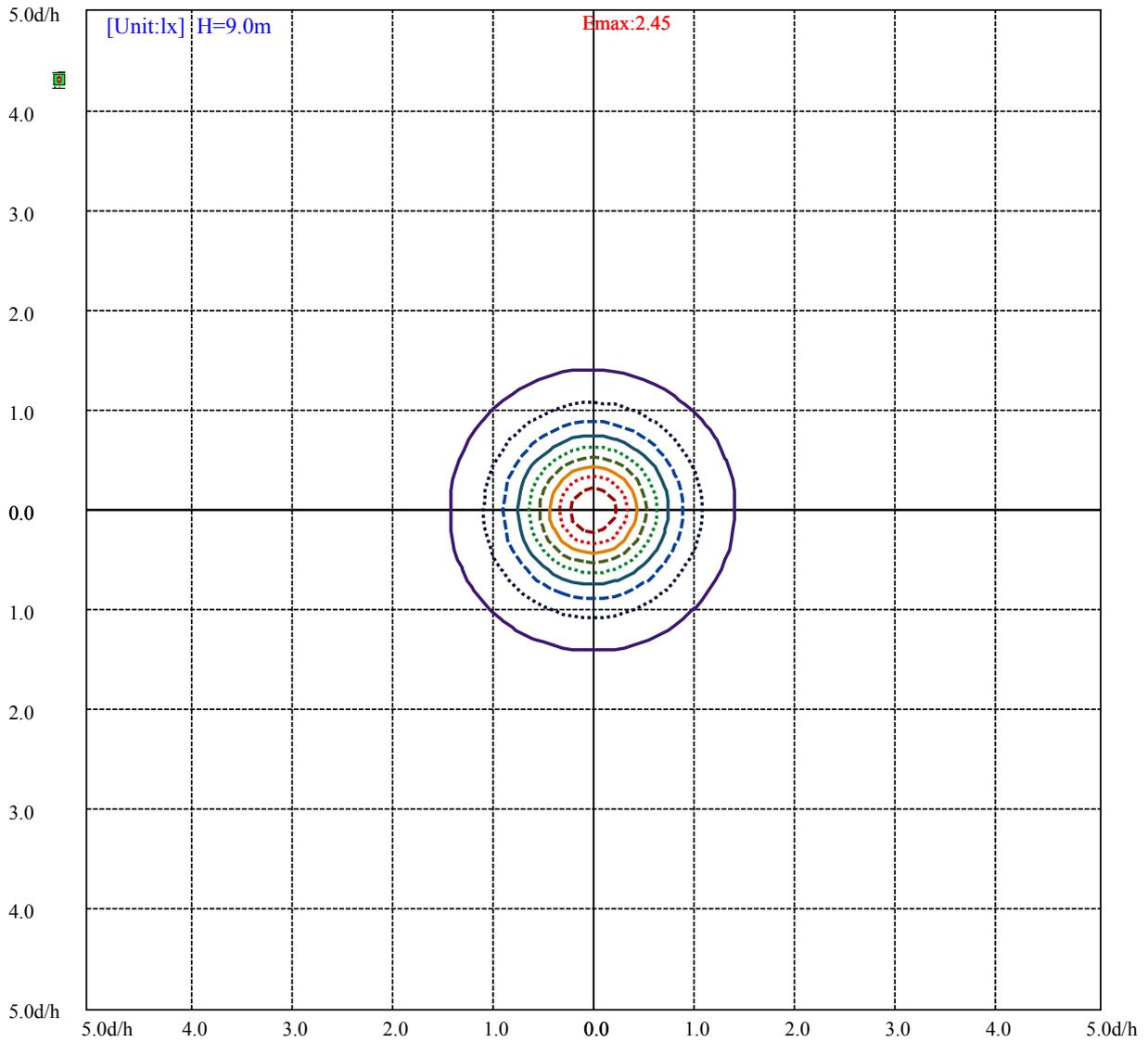
Date: 2015-11-5
Humidity(%): 60.0%

Operator: Jason Zhan
Distance(m): 13.00

SECTION 8: ISO CANDELA DIAGRAM ON CIRCULAR WEB



SECTION 9: ISO ILLUMINANCE DIAGRAM



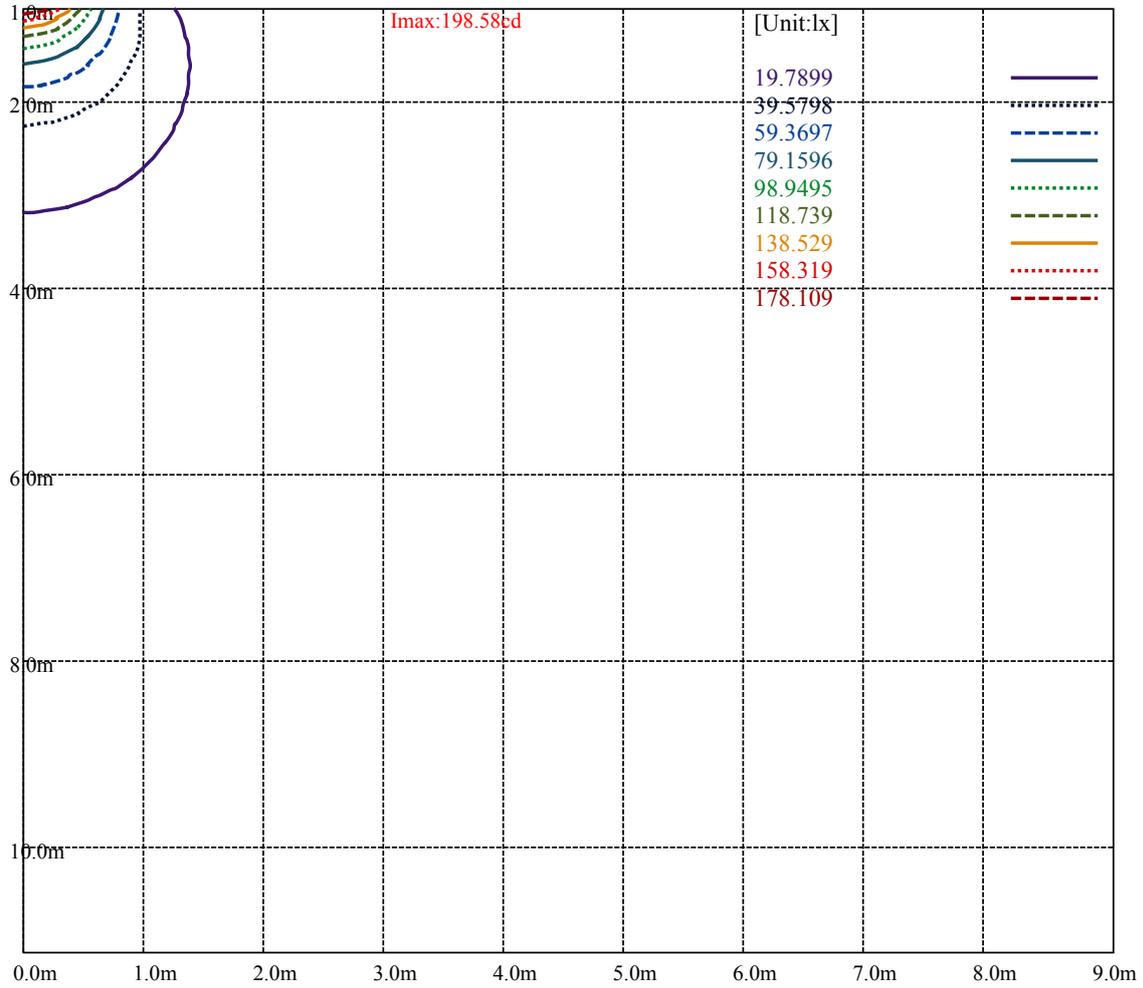
- (10%Emax) 0.2448407 ————
- (20%Emax) 0.4896827 ······
- (30%Emax) 0.7345234 - - - -
- (40%Emax) 0.9793654 ————
- (50%Emax) 1.224206 ······
- (60%Emax) 1.469049 - - - -
- (70%Emax) 1.713889 ————
- (80%Emax) 1.958728 ······
- (90%Emax) 2.203568 - - - -

Equipment: GMS1800B
Temperature(°C): 25.0

Date: 2015-11-5
Humidity(%): 60.0%

Operator: Jason Zhan
Distance(m): 13.00

SECTION 10: SPACE ISO LUX DIAGRAM



Equipment: GMS1800B
Temperature(°C): 25.0

Date: 2015-11-5
Humidity(%): 60.0%

Operator: Jason Zhan
Distance(m): 13.00