



6 INCH 12W COOL WHITE SQUARE DOWNLIGHTER

VOL-6SDL-012-CW

SECTION 1: SPECIFICATIONS

POWER	12W
VOLTAGE	85-277V
LIGHT OUTPUT	1200 lm
CCT	6000-6500K (CW)
IP RATING	20
LENS	ADJUSTABLE, CLEAR
BEAM ANGLE	120°
TILT ROTATION	30°
DIMMABLE	NO
ESTIMATED LIFESPAN	25,000 HOURS
MATERIAL	IRON BASED + ALUMINUM FRAME
FITTING COLOR	WHITE
SIZE	170 x 170 x 13 mm

CERTIFICATIONS



SECTION 2: LIGHT SOURCE DESCRIPTION (LED CHIP)

LED TYPE	2835 SMD EPISTAR
NUMBER OF LEDS	60

SECTION 3: COMPARABLE OLDER LIGHT SOURCE

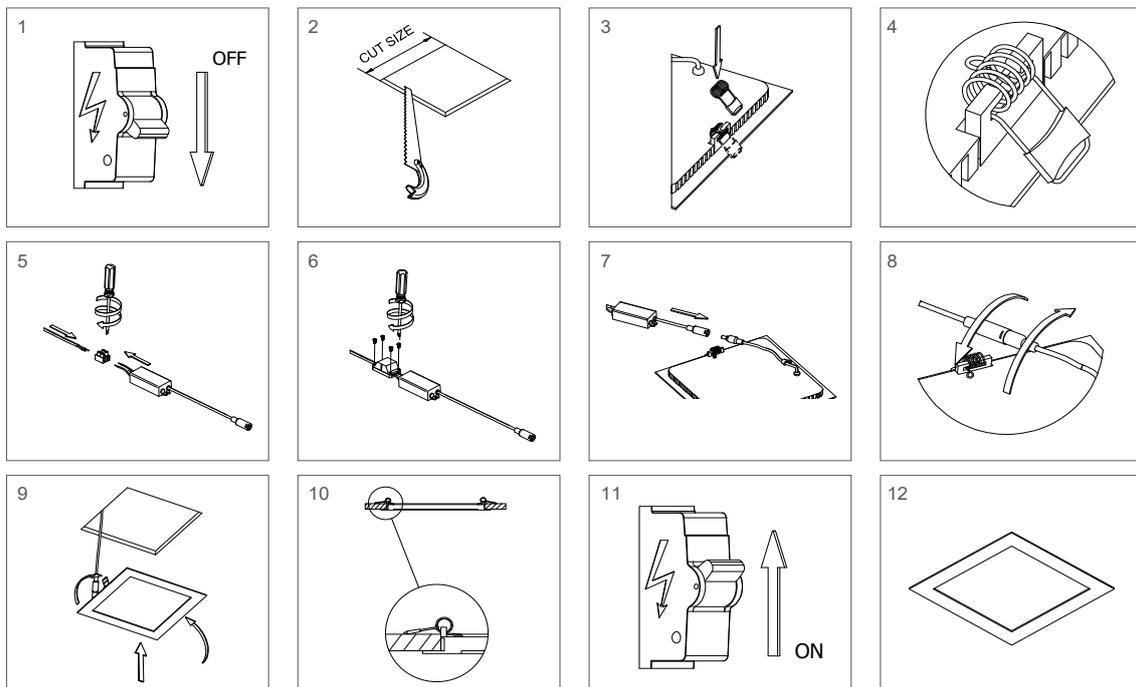
6 INCH LED DOWNLIGHT	6 INCH METAL HALIDE BULB
950 LUMENS	982 LUMENS
12 WATTS	30 WATTS
25,000 HOUR LIFESPAN	200 HOUR LIFESPAN
WITHSTANDS VOLTAGE SURGES	FILAMENT DESTROYED WITH SMALL VOLTAGE SURGES
AVAILABLE IN WARM AND COOL	ONLY AVAILABLE IN WARM

SECTION 4: INSTALLATION

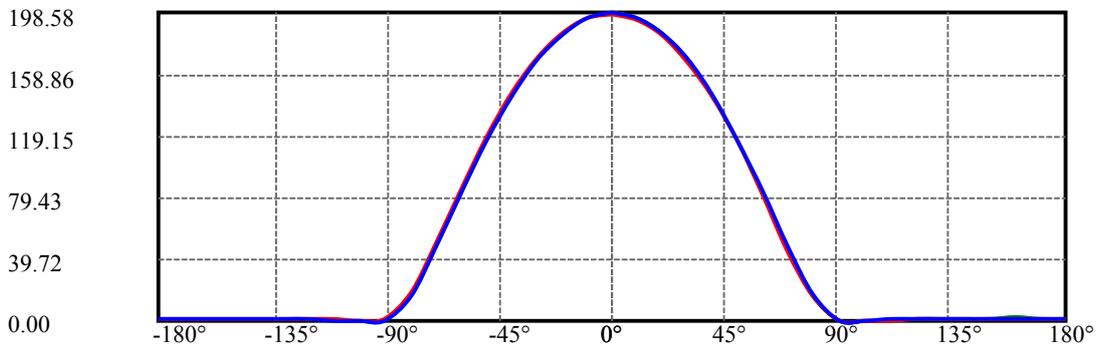
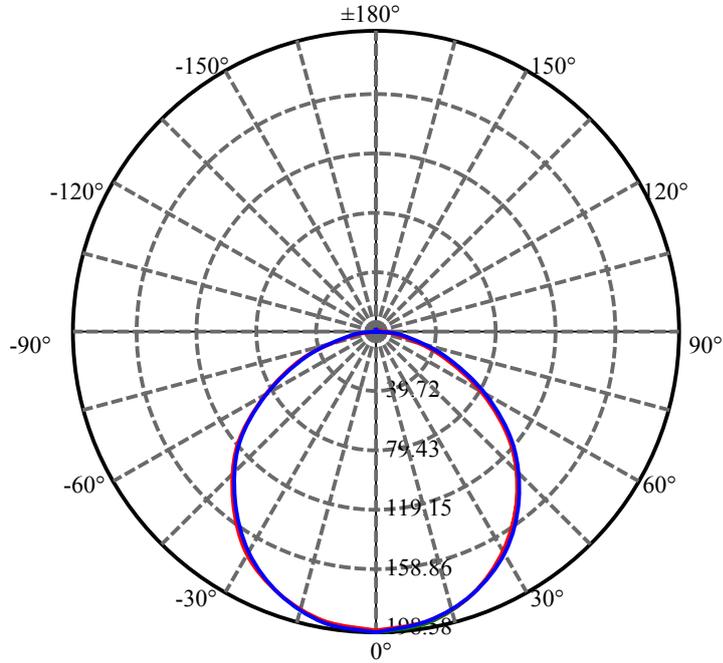
1. TURN OFF THE POWER
2. CONNECT THE COMMERCIAL POWER WITH THE INPUT OF THE MATCHED POWER SUPPLY, MAKING SURE THAT NO COPPER WARE IS EXPOSED
3. CONNECT MATCHED POWER SUPPLY AND PANEL LIGHT TOGETHER THROUGH THE PLUG.
4. FIX THE LIGHT AND POWER SUPPLY AT SUITABLE PLACE
5. TURN ON THE POWER.

NOTES: THE LIGHT SHOULD BE DRIVEN BY APPOINTED POWER SUPPLY.

APPLICATIONS: HOTEL, MEETING ROOM, OFFICE, HOSPITAL, SCHOOL AND PLACES WHERE ENERGY SAVING AND HIGH COLOR RENDERING INDEX LIGHTING IS NEEDED.

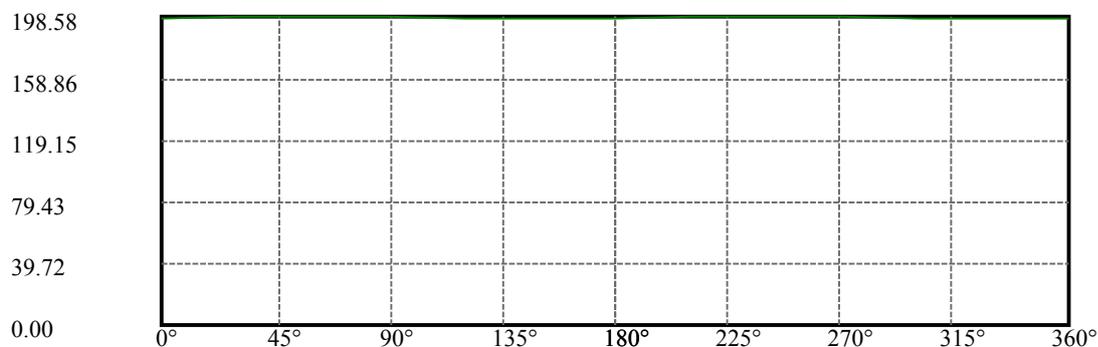
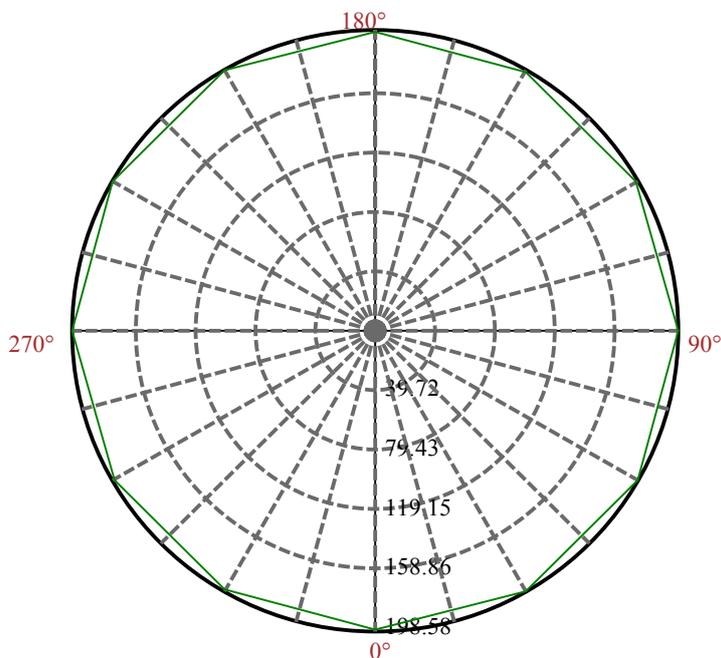


SECTION 5: LIGHT DISTRIBUTION CURVE

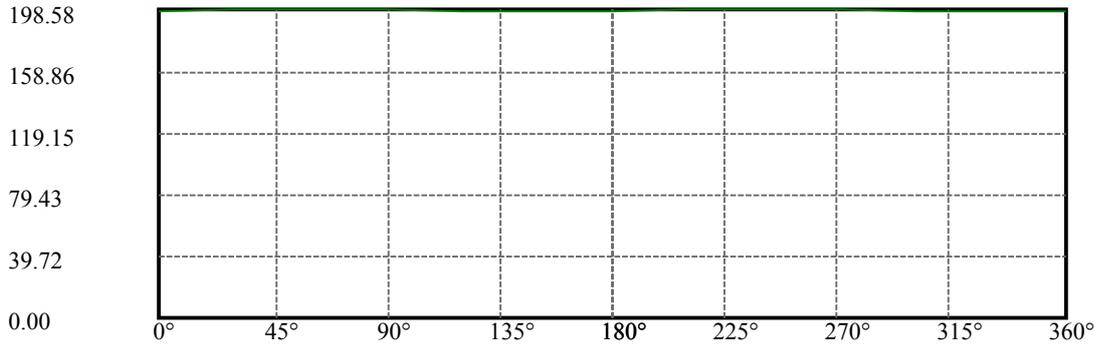
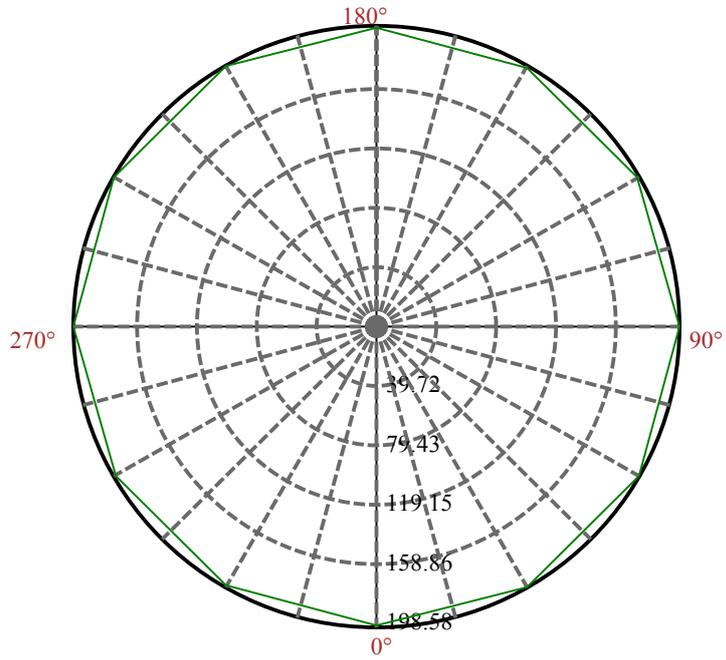


C30(Max): —
 C0/C180: —
 C90/C270: —

SECTION 6: LUMINOUS INTENSITY DISTRIBUTION CURVE (CD/KLM)

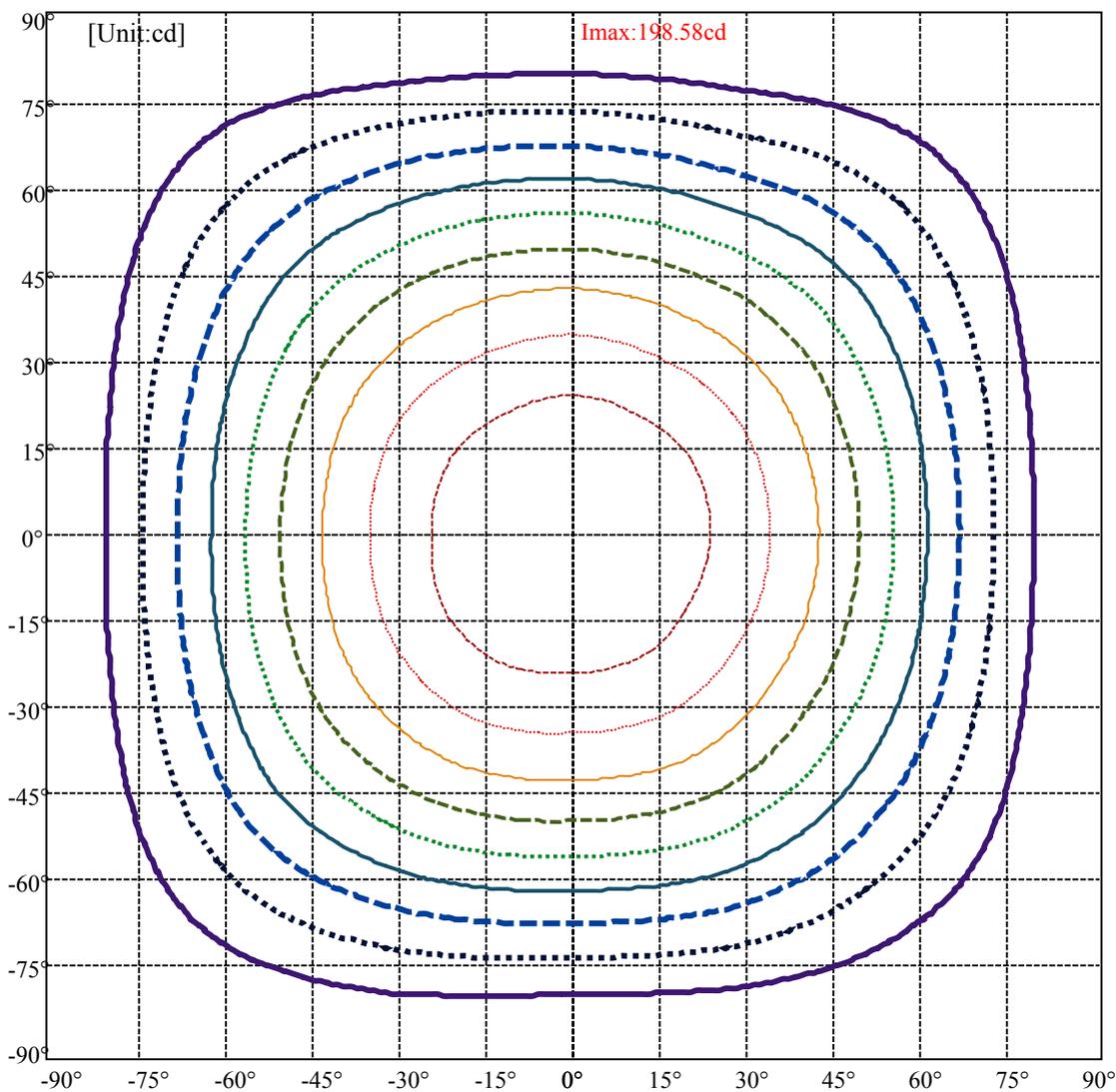


MaxG=0



MaxG=0 ———

SECTION 8: ISO-INTENSITY (V-H)



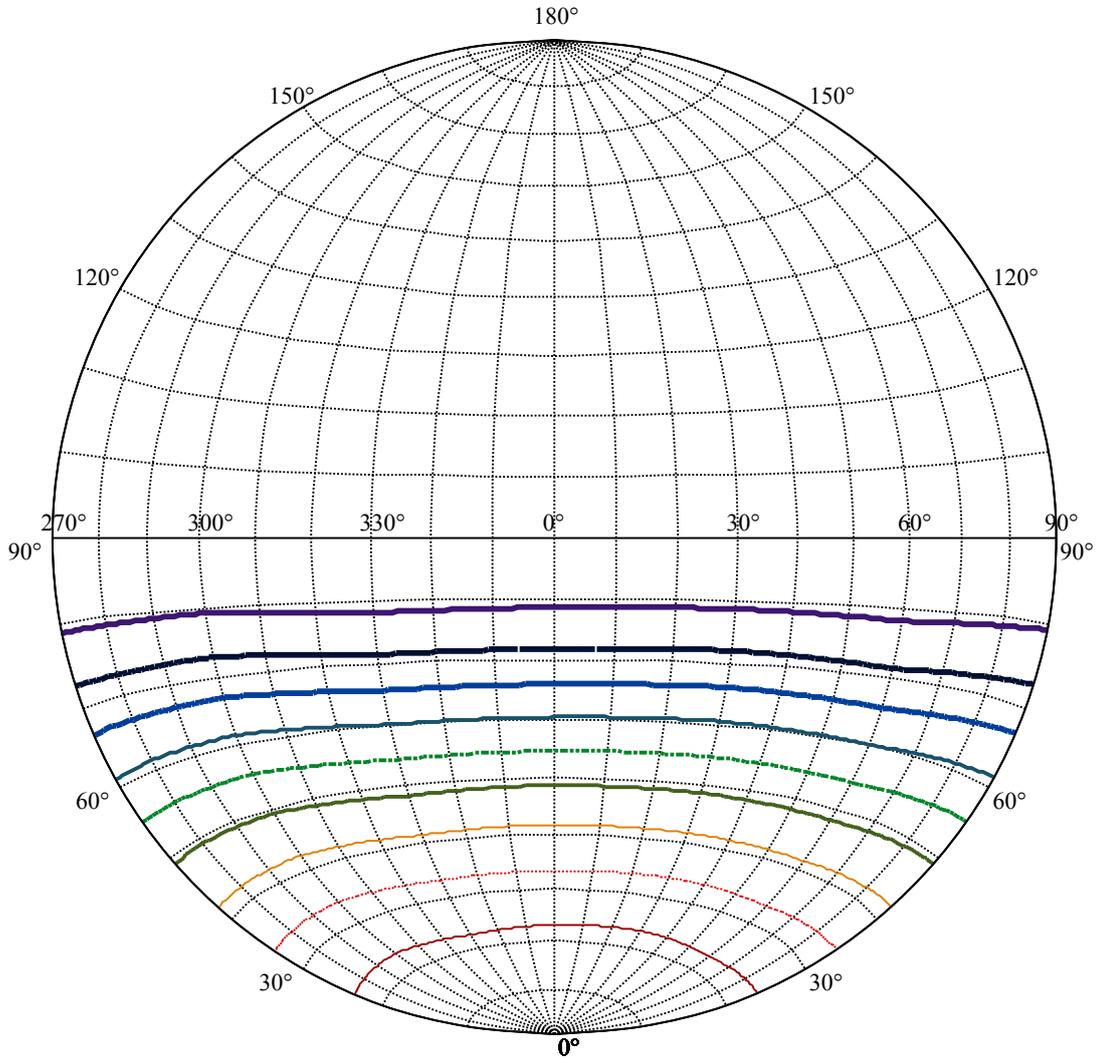
(10%Imax) 19.8068	
(20%Imax) 39.6136	
(30%Imax) 59.4204	
(40%Imax) 79.2272	
(50%Imax) 99.034	
(60%Imax) 118.841	
(70%Imax) 138.648	
(80%Imax) 158.454	
(90%Imax) 178.261	

Equipment: GMS1800B
Temperature(°C): 25.0

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

Operator: Jason Zhan
Distance(m): 13.00

SECTION 9: ISO CANDELA DIAGRAM

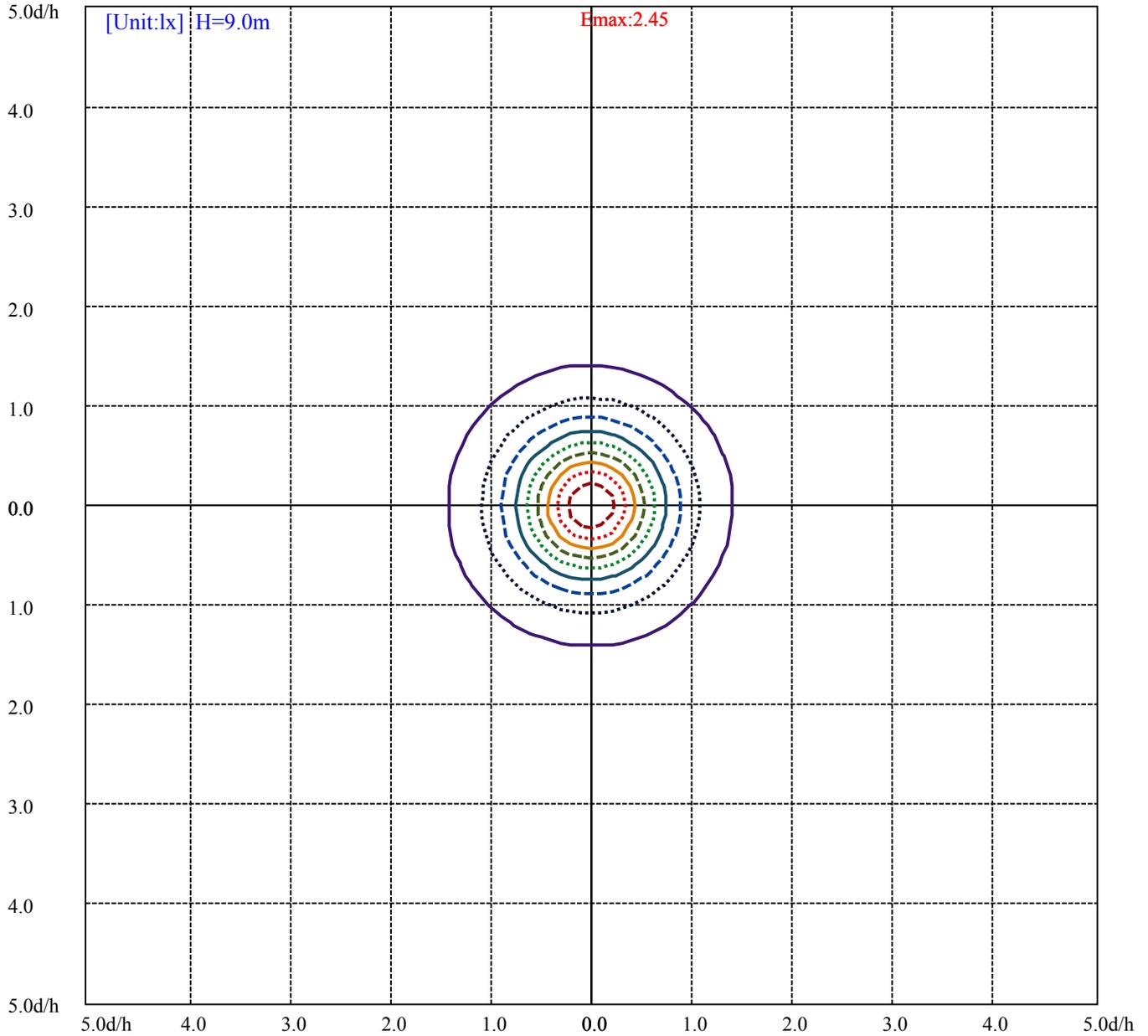


House

Road

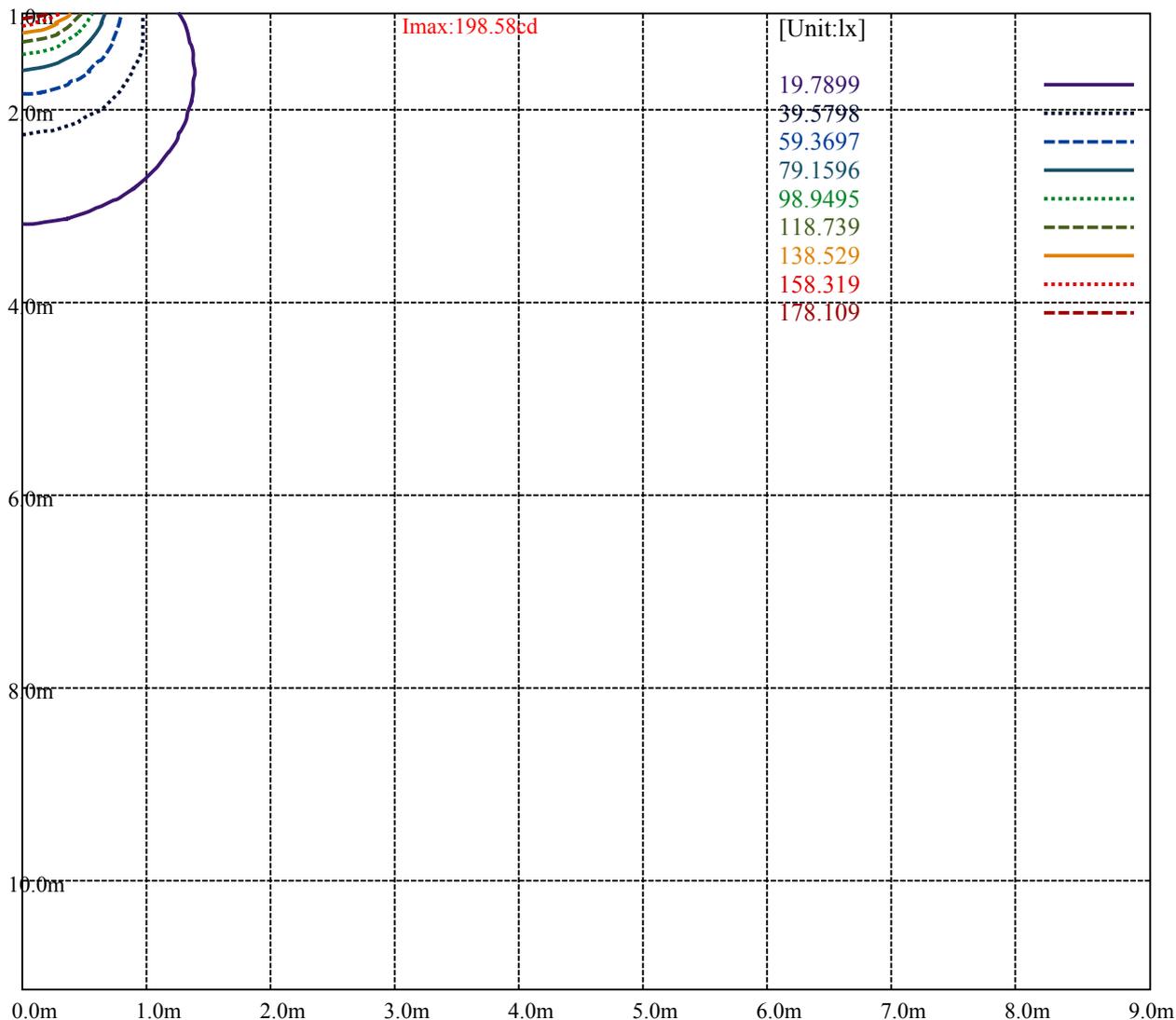
	Imax:198.58cd	
(10%Imax)	19.8575	—
(20%Imax)	39.715	⋯
(30%Imax)	59.5725	- - -
(40%Imax)	79.43	—
(50%Imax)	99.2875	⋯
(60%Imax)	119.145	- - -
(70%Imax)	139.003	—
(80%Imax)	158.86	⋯
(90%Imax)	178.717	- - -

SECTION 10: ISO ILLUMINANCE DIGRAM



- (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 - - - -

SECTION 11: SPACE ISO LUX DIAGRAM



Equipment: GMS1800B
Temperature(°C): 25.0

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

Operator: Jason Zhan
Distance(m): 13.00