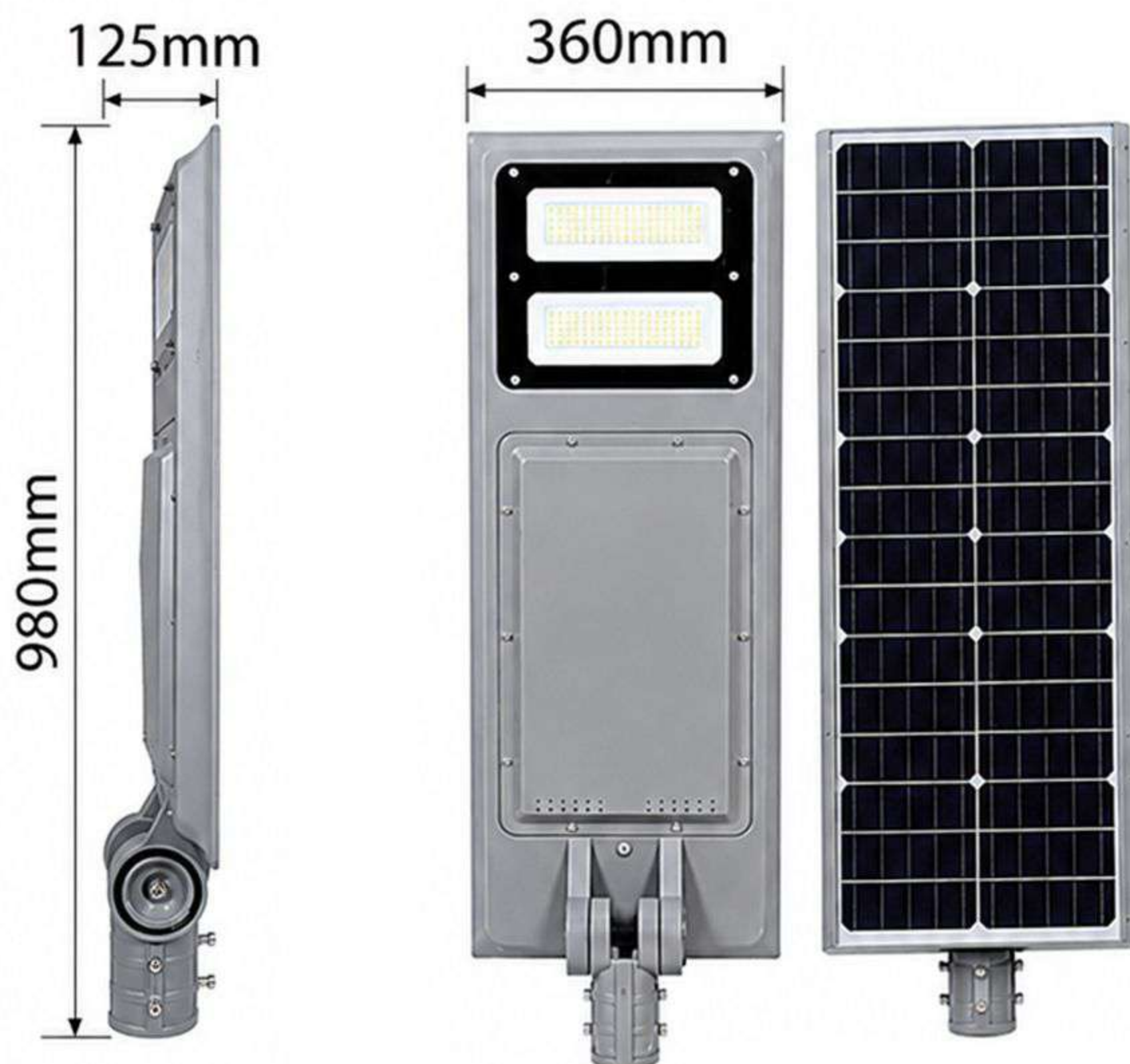


LED SOLAR STREET LIGHT

100W

specification

PRODUCTS NAME :	LED SOLAR STREET LIGHT
MODEL NO. :	NX-0310D 100W Solar Street Light
Solar Panel :	16V 64W, Mono-Crystalline
POWER :	100W
Battery Type :	LiFePO4 12.8V 42AH
Charging Time :	6-8 hours
Discharging Time :	30-36 hours
LED :	160 lm/w
Material :	Die-Casting Aluminium
IP :	IP65
Product Size :	980*360*125 mm
Install Height :	6-9m
WARRANTY :	3years

WARNING

- Please avoid looking directly at the light.
- The charging and dismantling process must be carried out in a safe place.
- Do not short-circuit, disassemble ; do not put in the water and near the fire.
- Without professionals, do not attempt to repair or replace the battery, the supplier shall not be responsible for any damage of the consequence of replacing or repairing the battery that not conducting by supplier.

EASY INSTALLATION

Solar panel street lights can be installed by themselves and are easy to install. It has a wide irradiation range and can meet the lighting needs of large places such as parking lots. Sports venues, gardens. Roads and other big places.

GOOD QUALITY AND FAST CHARGING

High-quality solar panels have high conversion rate, fast light absorption, can protect the circuit from damage, and can be charged quickly, which is very safe.

The high-capacity battery ensures its high brightness and long hours of work from dusk to dawn, guaranteeing long-term illumination.

COPE HARSH WEATHER, IP65 WATERPROOF

The new shell design makes the LED street light last up to 5 years. This solar street light has very good waterproof, rainproof and lightning protection performance, temperature resistance -4°F-120°F. IP65 waterproof and can work in all kinds of bad weather.

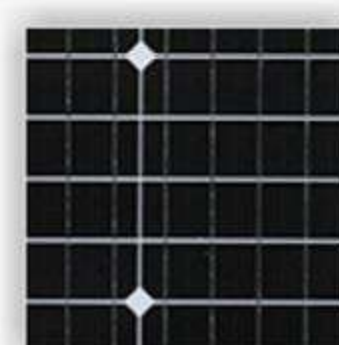


PRODUCT DETAILS



Solar Panel

High-quality mono-Crystalline silicon material, high charging efficiency, energy saving and practical, long life.



Battery

Long battery life, large capacity, environmental protection and energy saving, more durable. It can be used in -20°C~65°C area.



LED Chip

Built-in LED chip, enable solar street lights to emit high brightness with low heat even after long time usage.

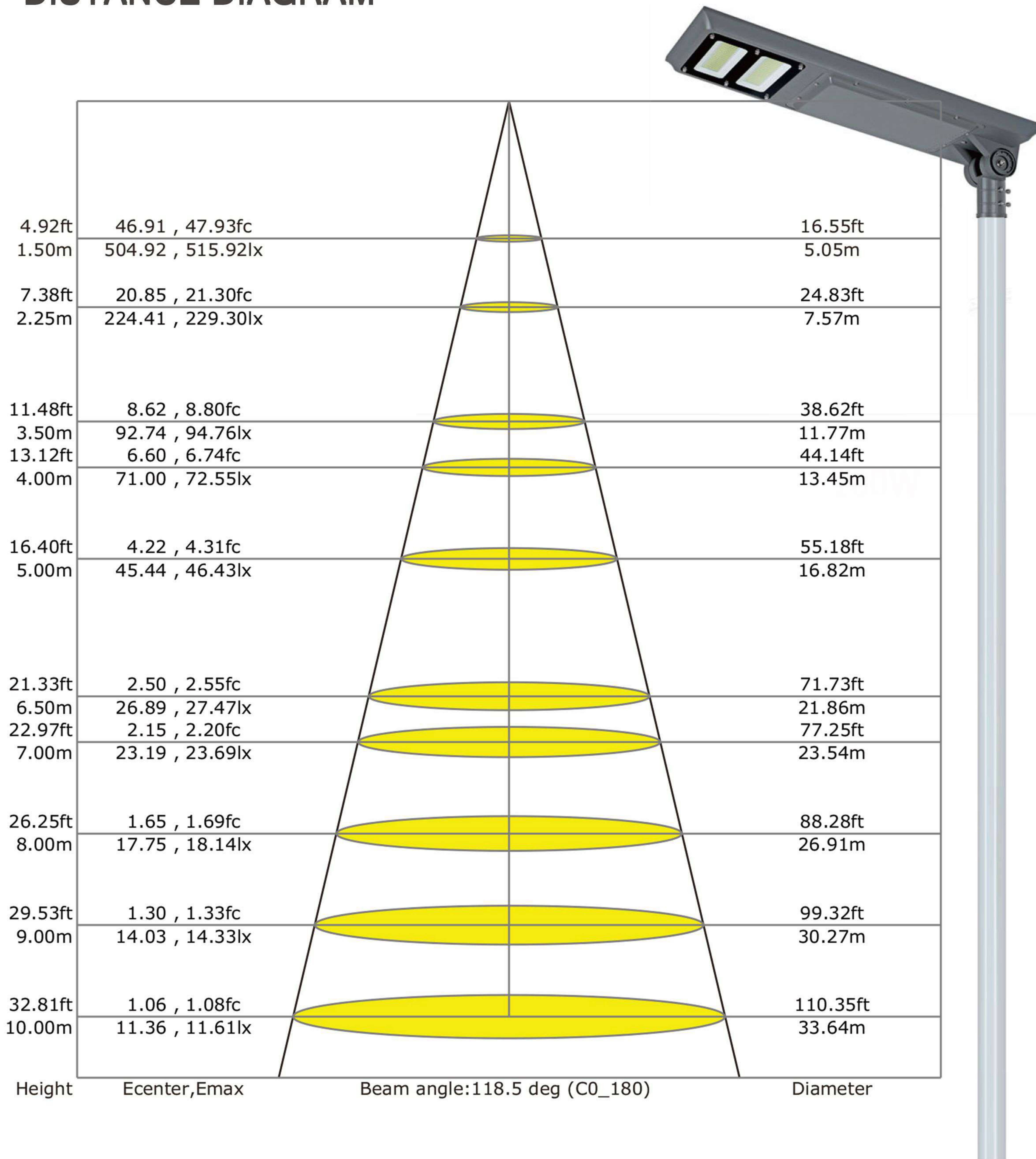


Die-Casting Aluminium Material

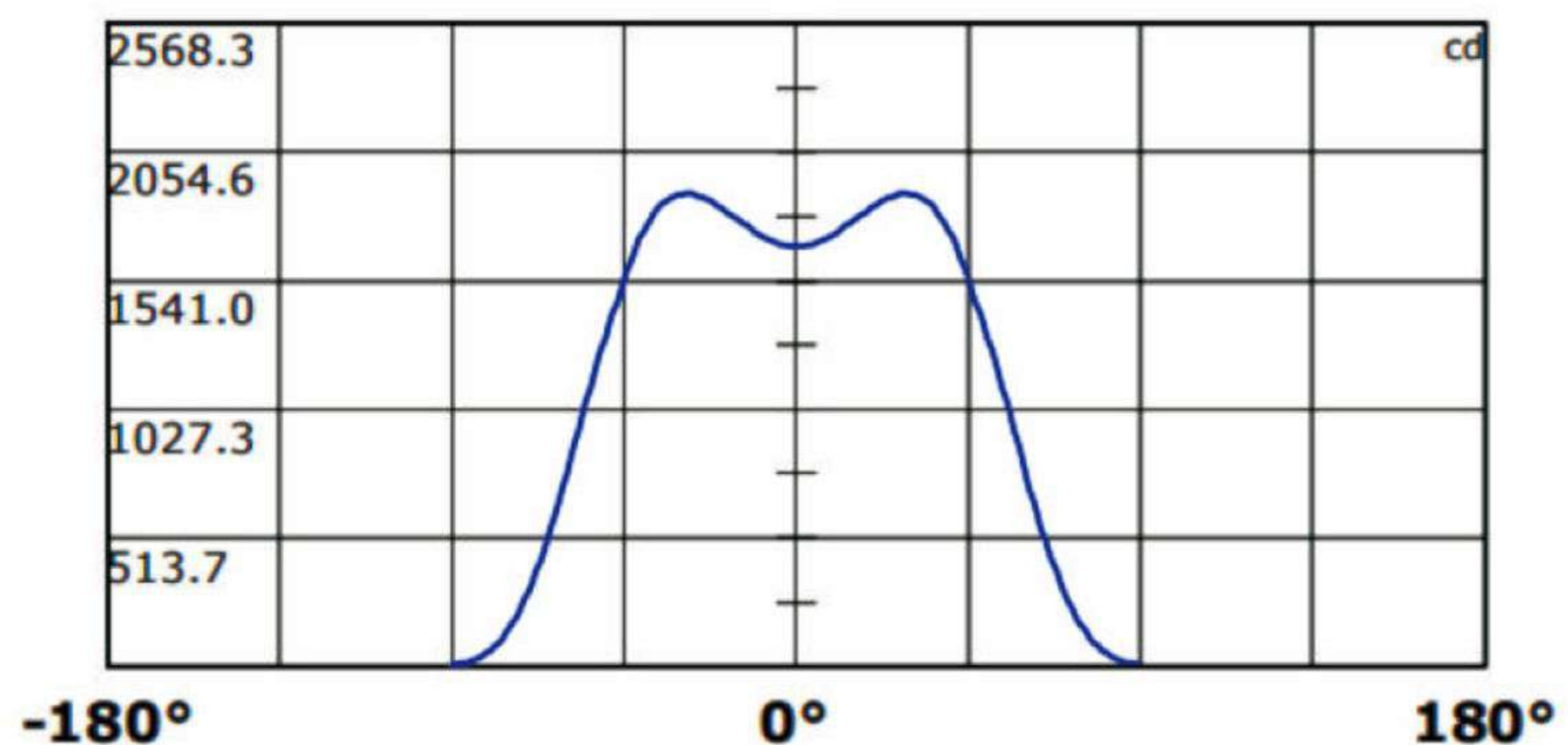
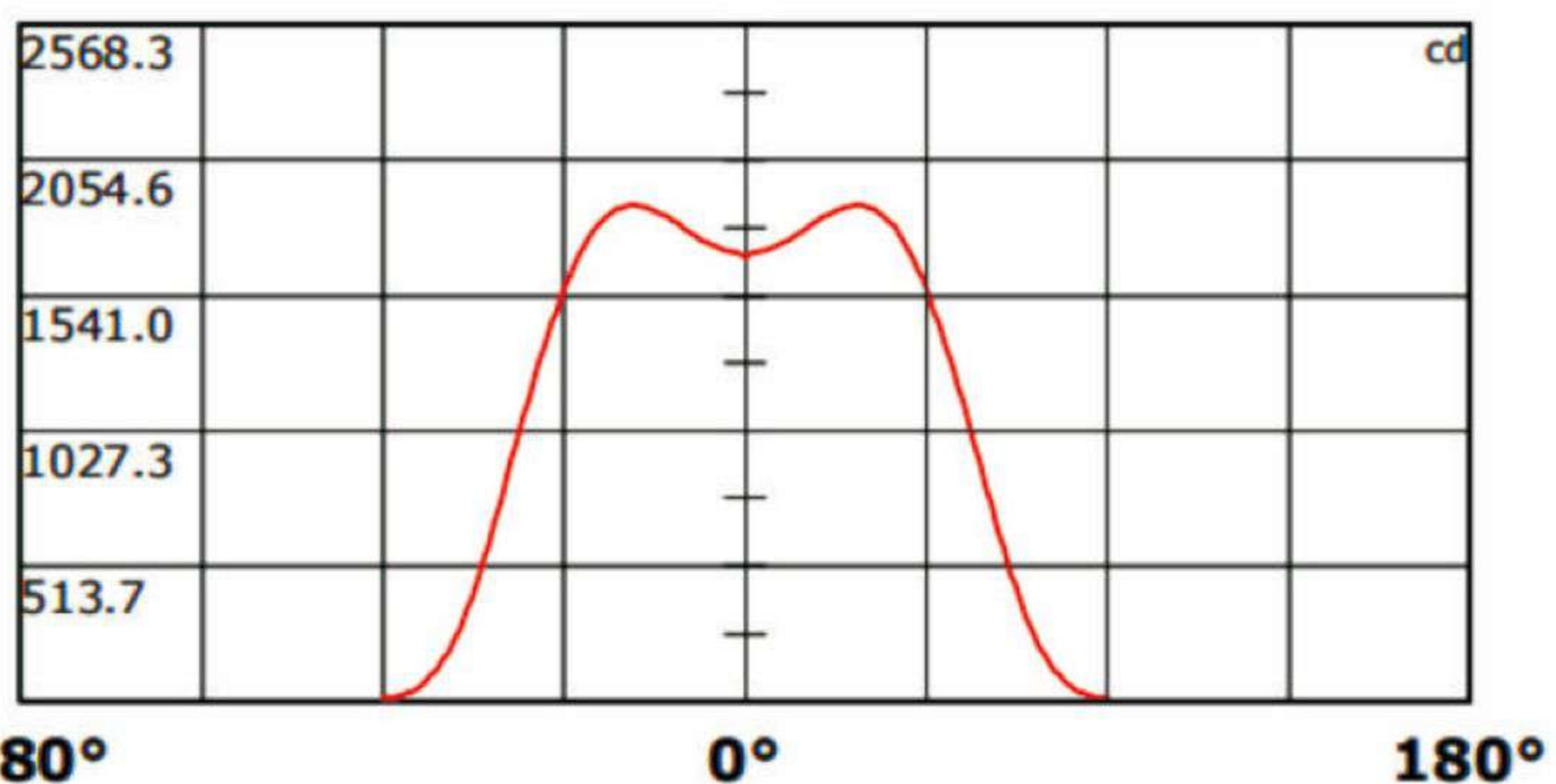
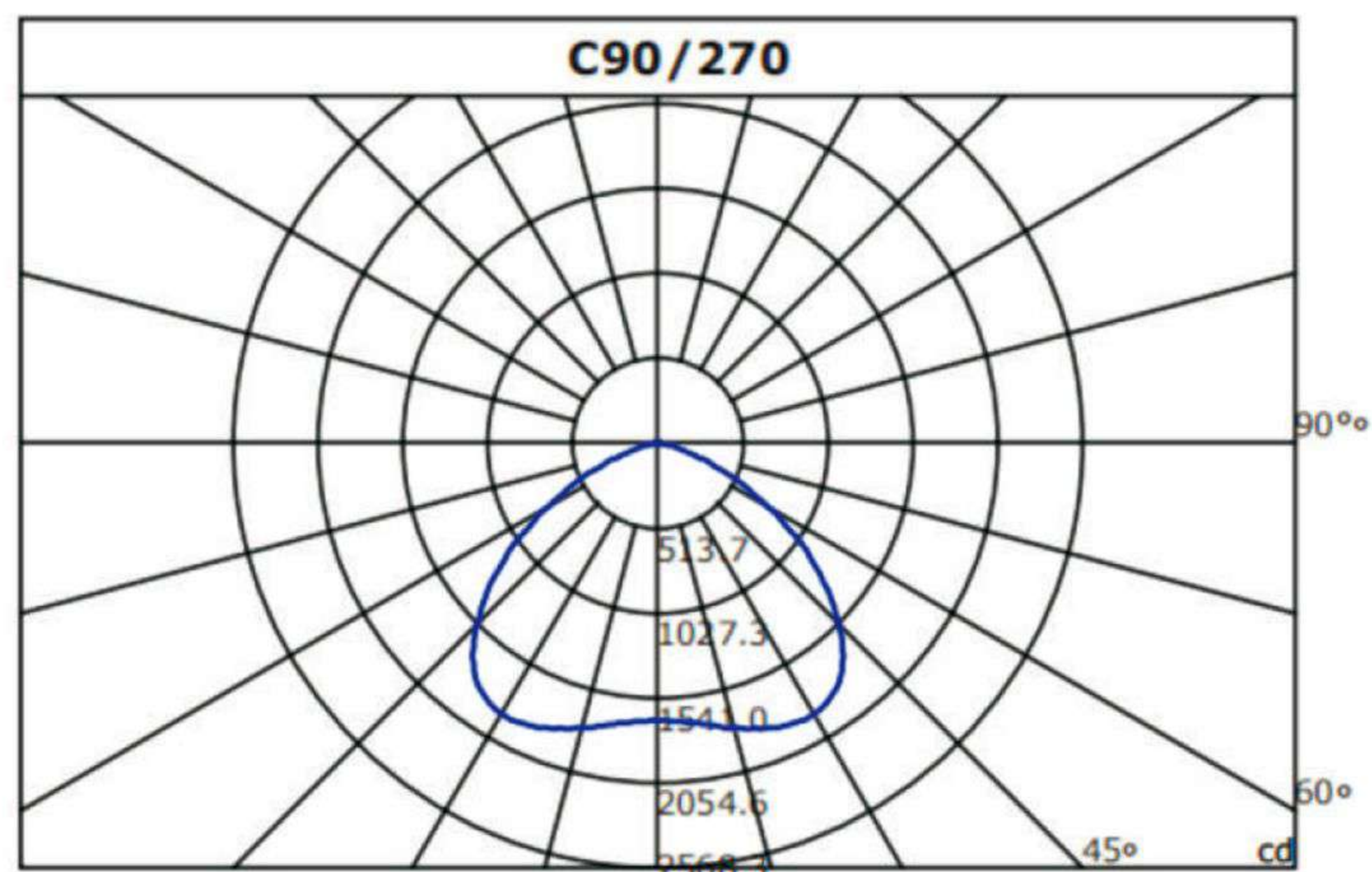
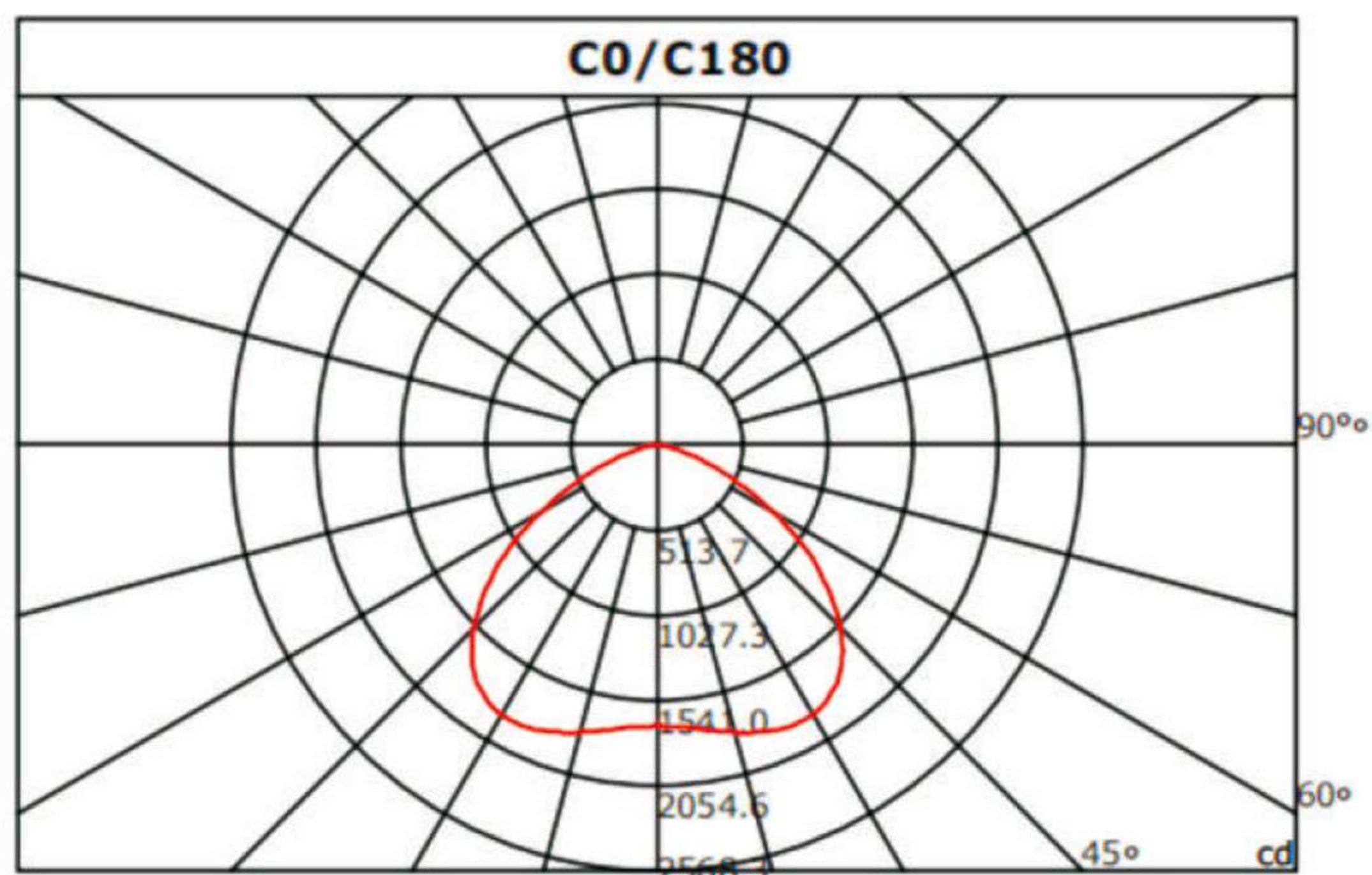
It adopts high-quality and durable aluminum material to effectively isolate moisture. And has excellent heat dissipation effect and corrosion resistance.



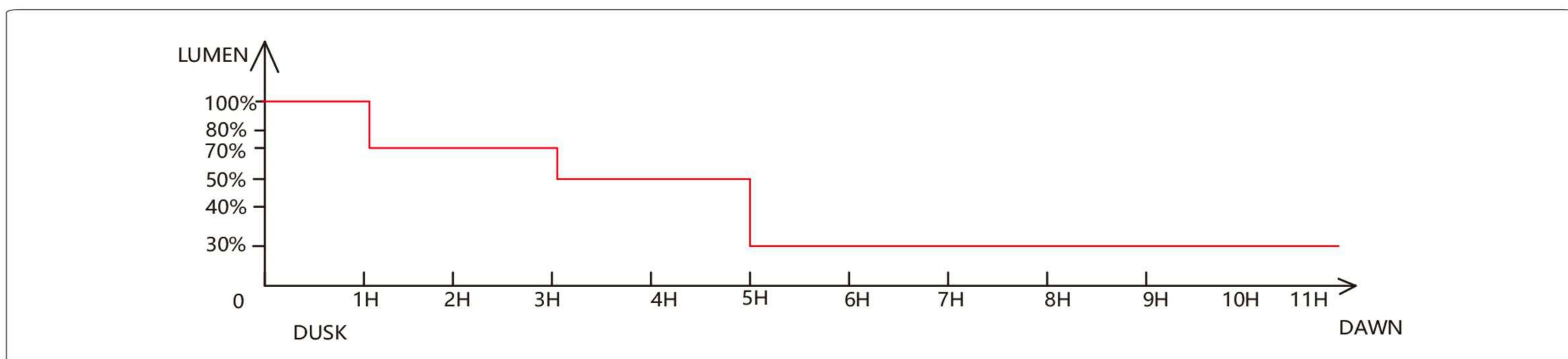
DISTANCE DIAGRAM



LIGHTING DATA



HOW THE LIGHT WORKS



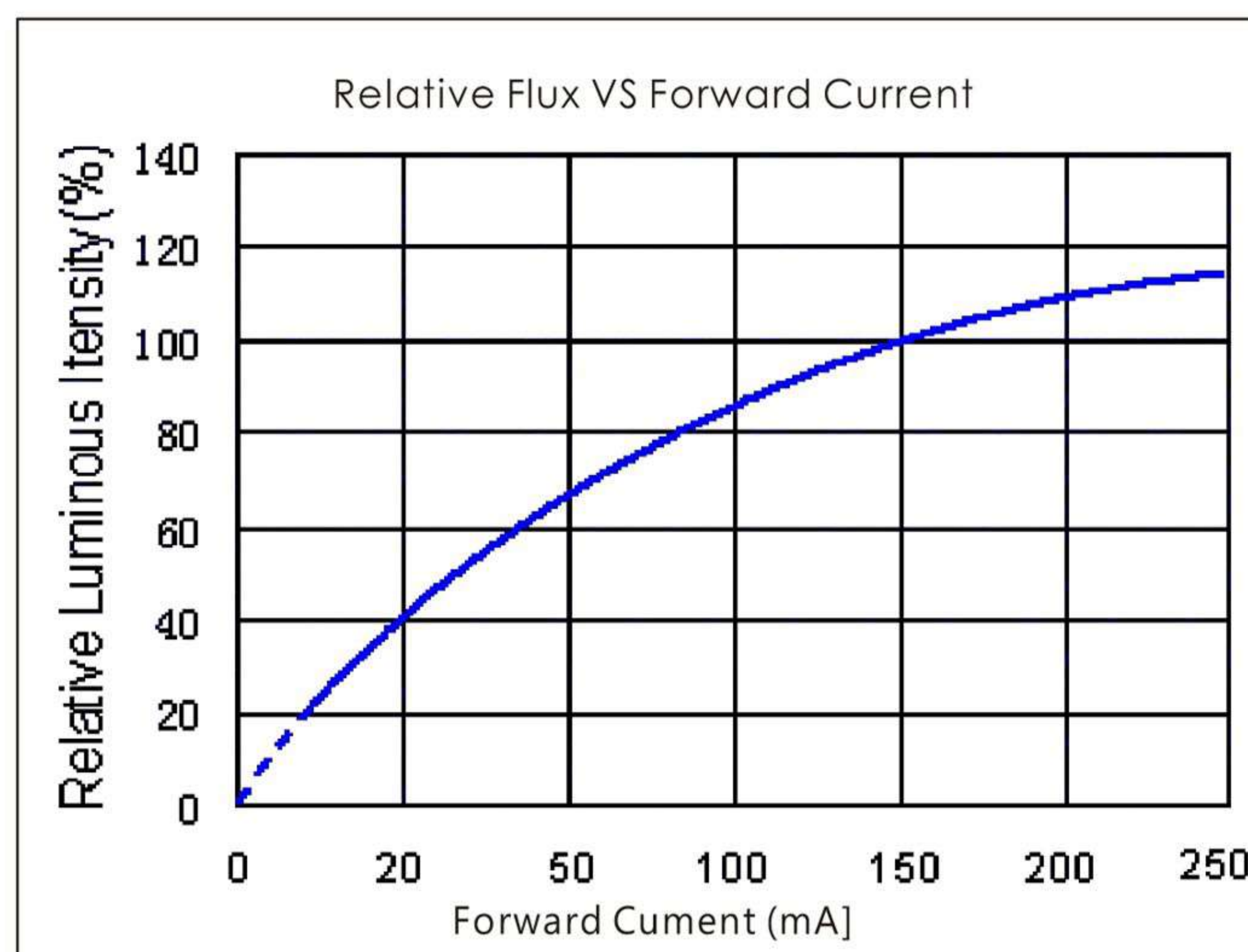
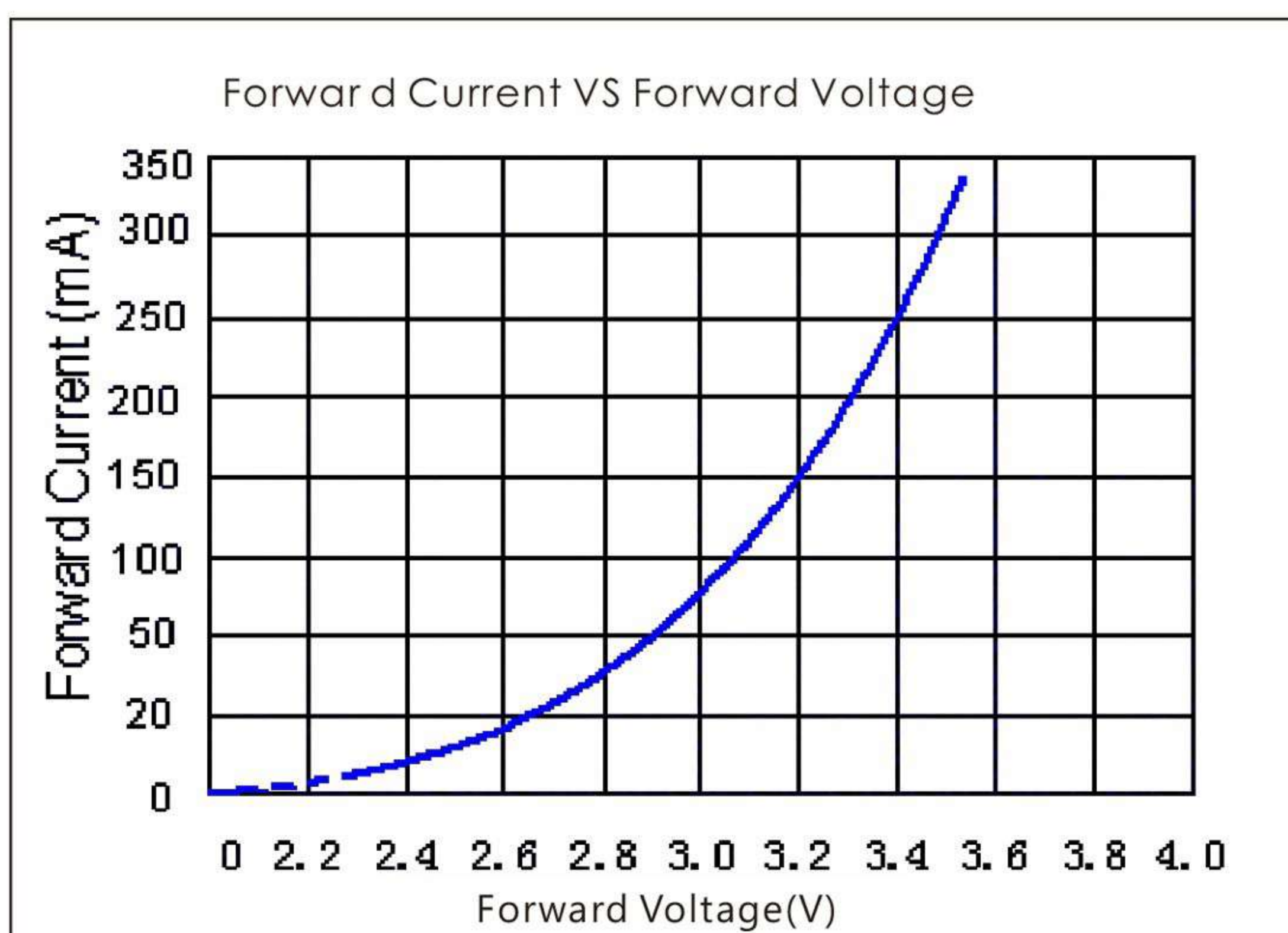
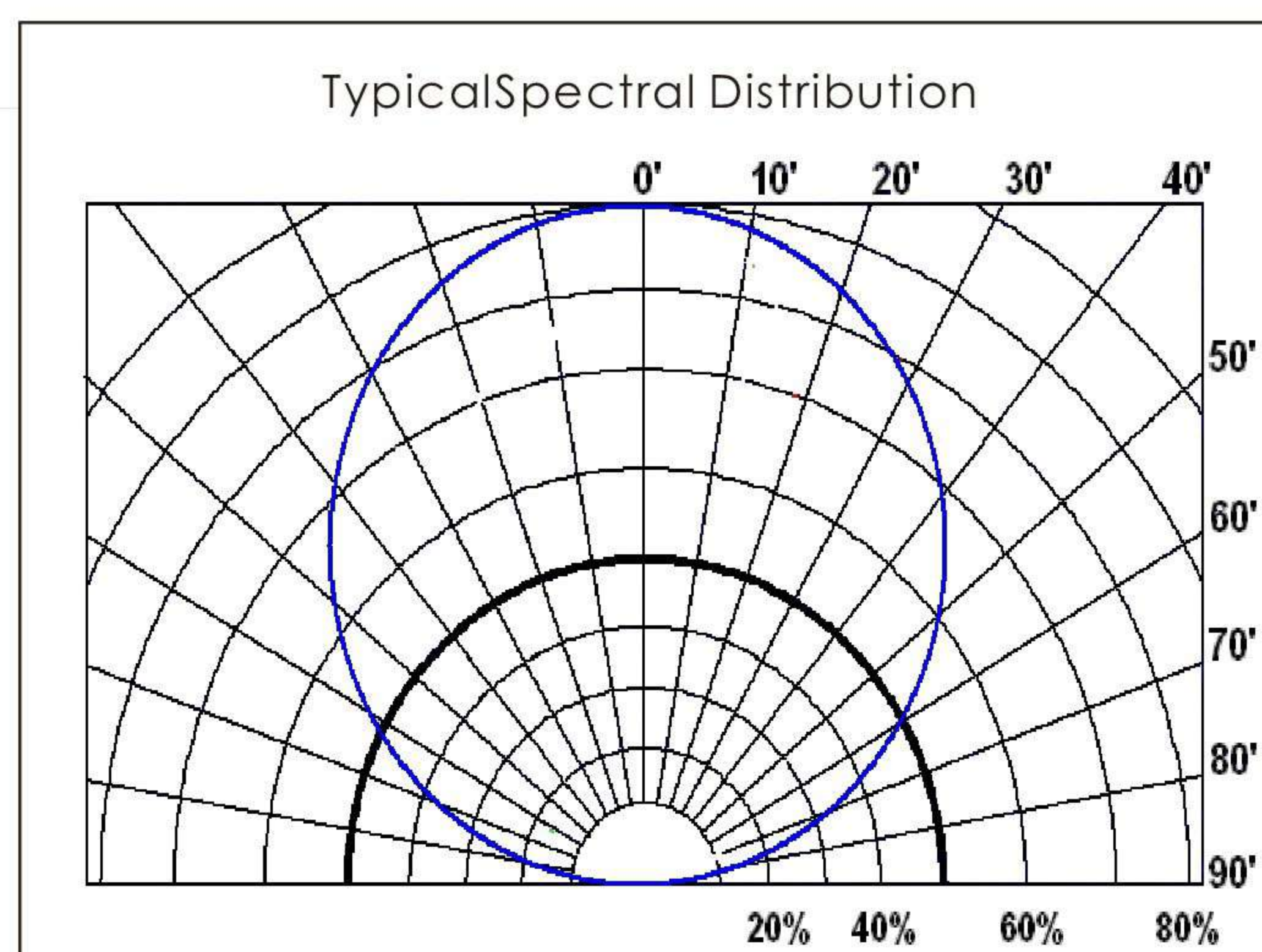
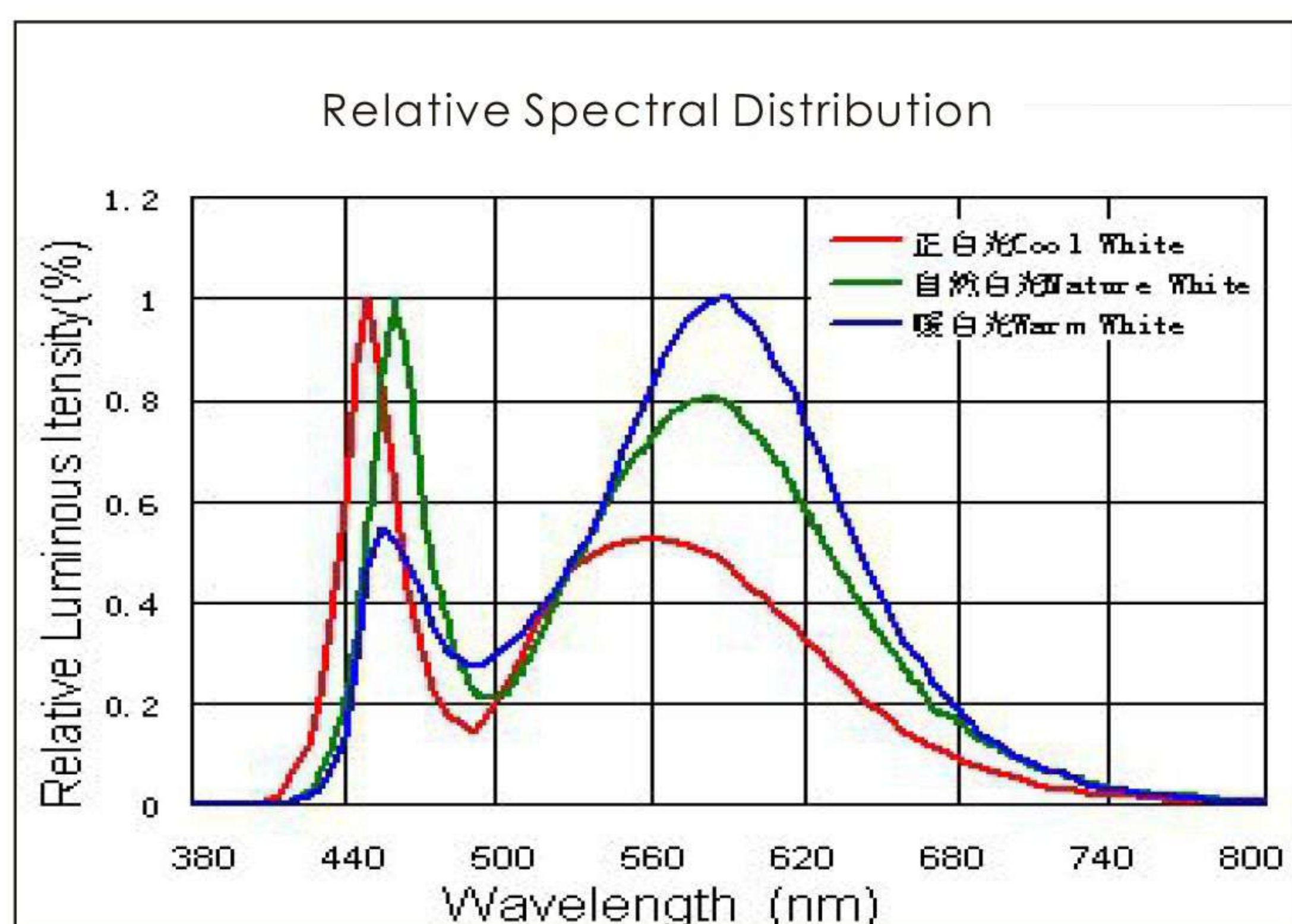
INTRODUCTION SMD 5730

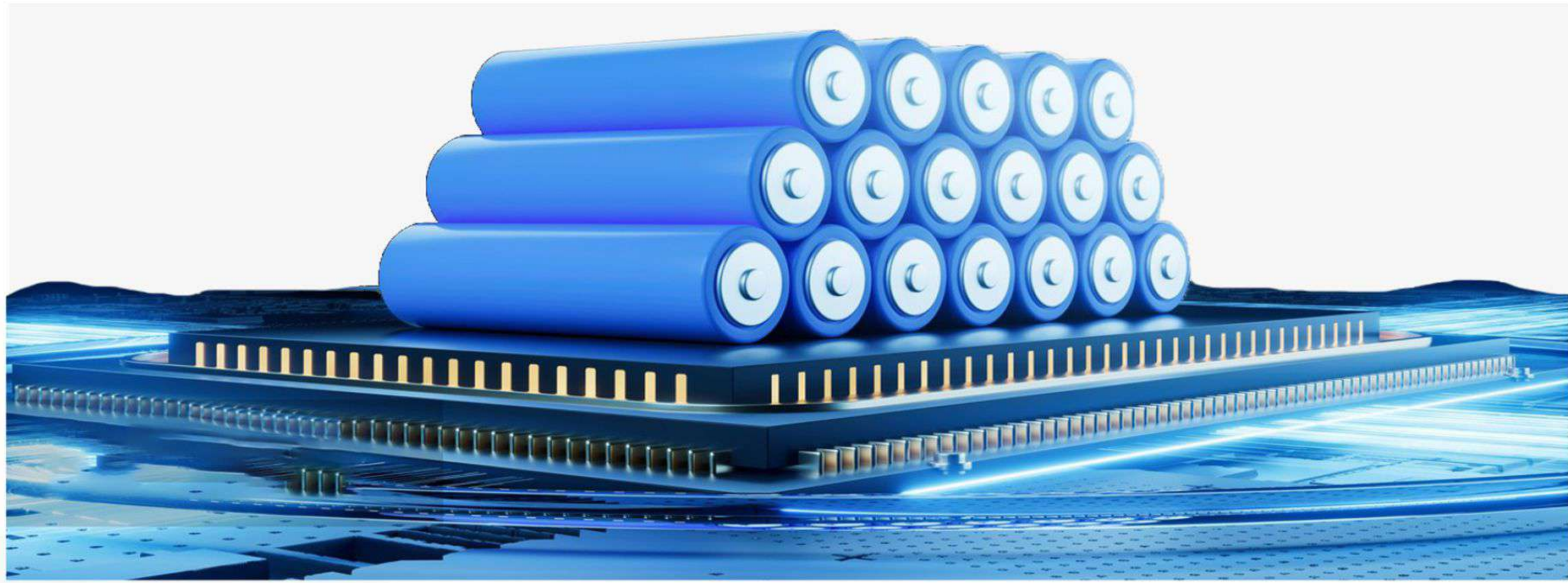


Features:

- Super high efficiency High reliability performance Viewing angle 120°.
- Suitable for all SMT assembly and solder process Complied with RoHS directive.

TYPICAL OPTICAL-ELECTRICAL CHARACTERISTICS CURVES





LED SOLAR BATTERY

specification

Nominal Voltage :	12.8V
Nominal Capacity :	18AH / 24AH / 42AH
Discharge :	-20~60 °C
Charge :	-10~60 °C
Storage :	-20~60 °C
Max.Discharge Current	50A(5s)
77°F (55 °C)	
Short Circuit Current :	100 A

BATTERY GUARANTEE OF QUALITY



01. Battery Cells

High-end battery cells keep every cell's voltage, resistance, capacity, discharging always in sync.



02. Battery Protector

High precision IC keep performance more stable protect over load, over charge, over discharge, short circuit, over voltage, over current keep battery pack always safe and long life span.



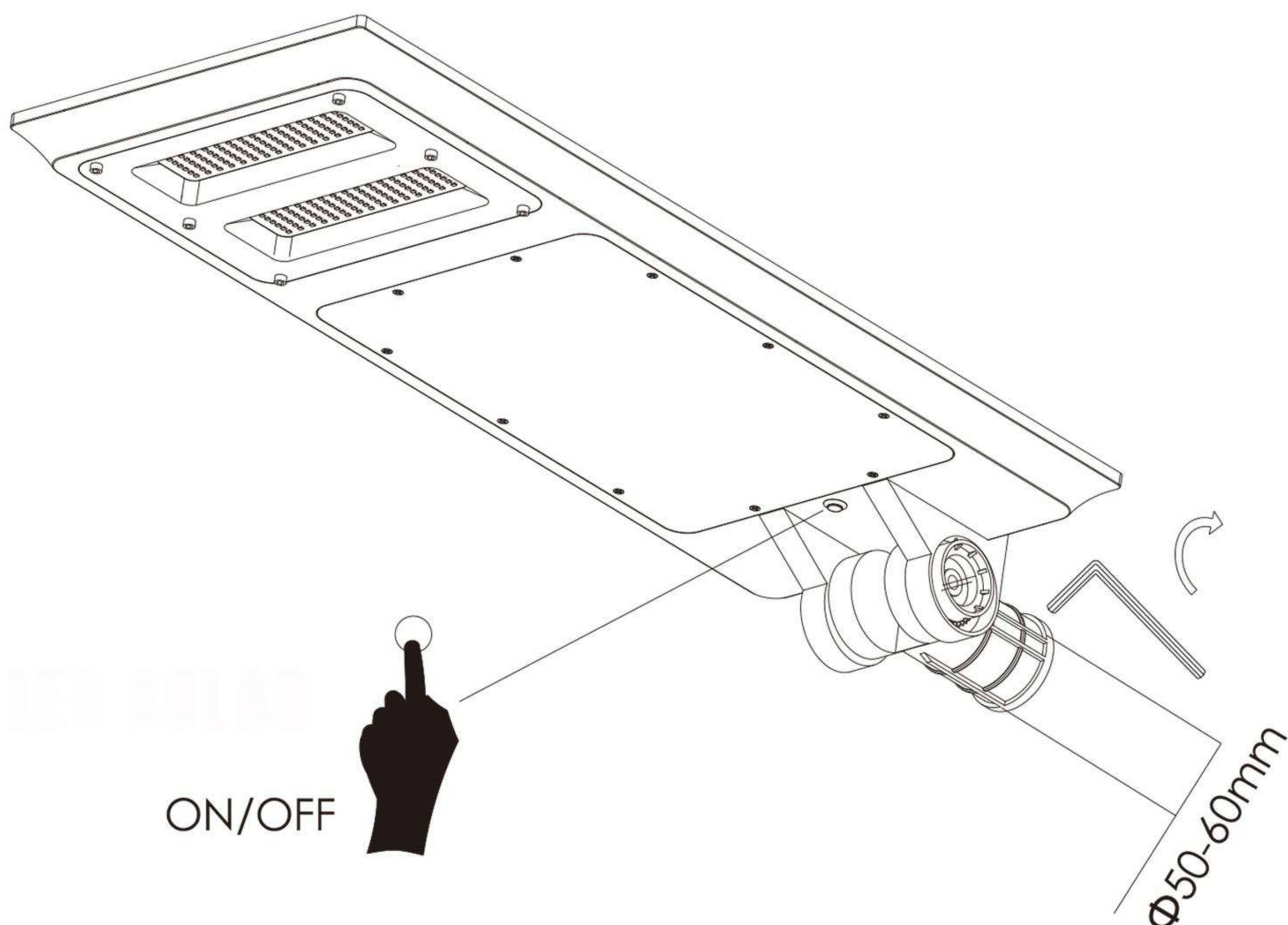
03. Precision Welding Machine

Fully automatic precision welding machine can ensure that every battery can be welded firmly to prevent the danger of short circuit or power failure.

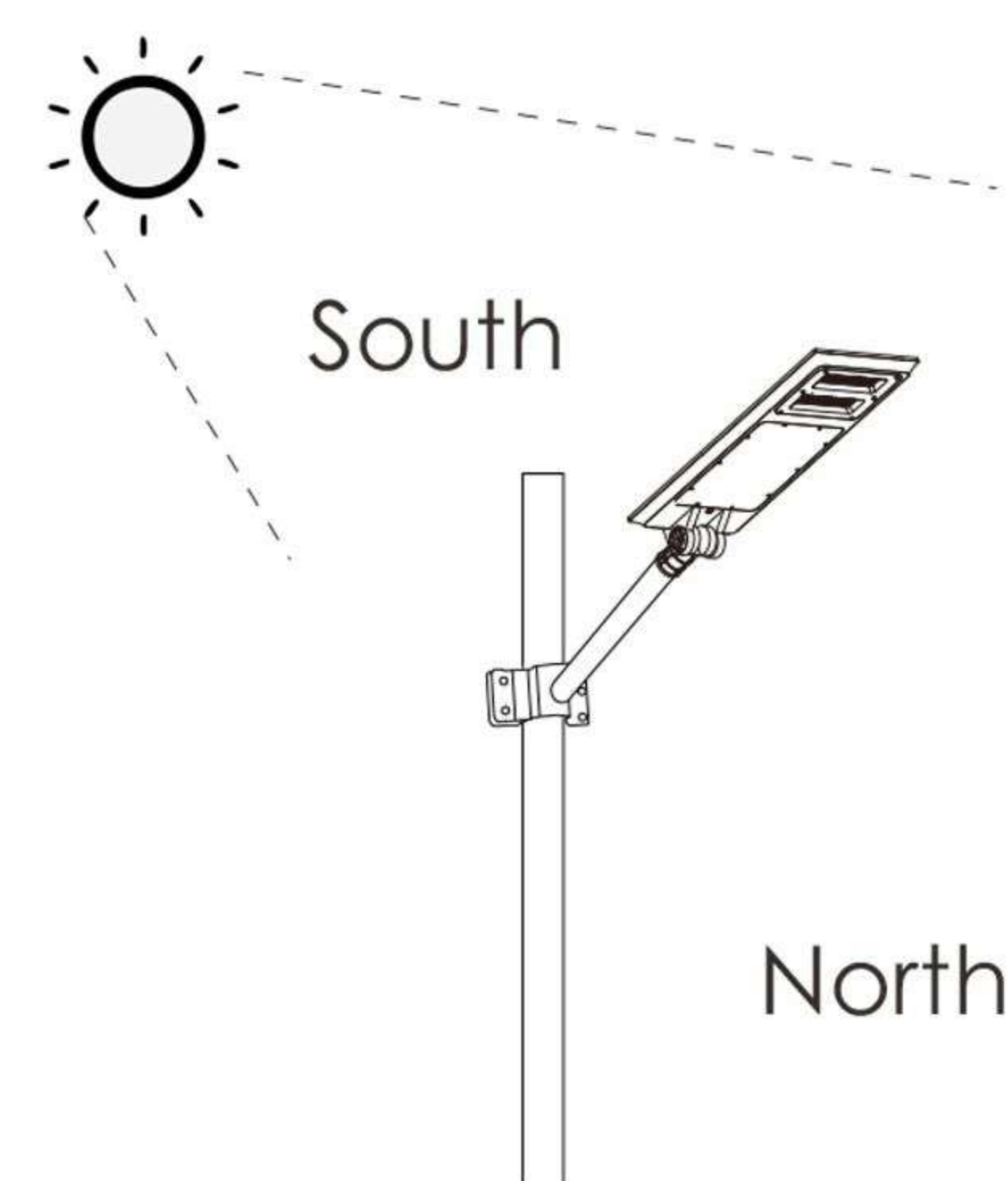


04. Aging Test Machine

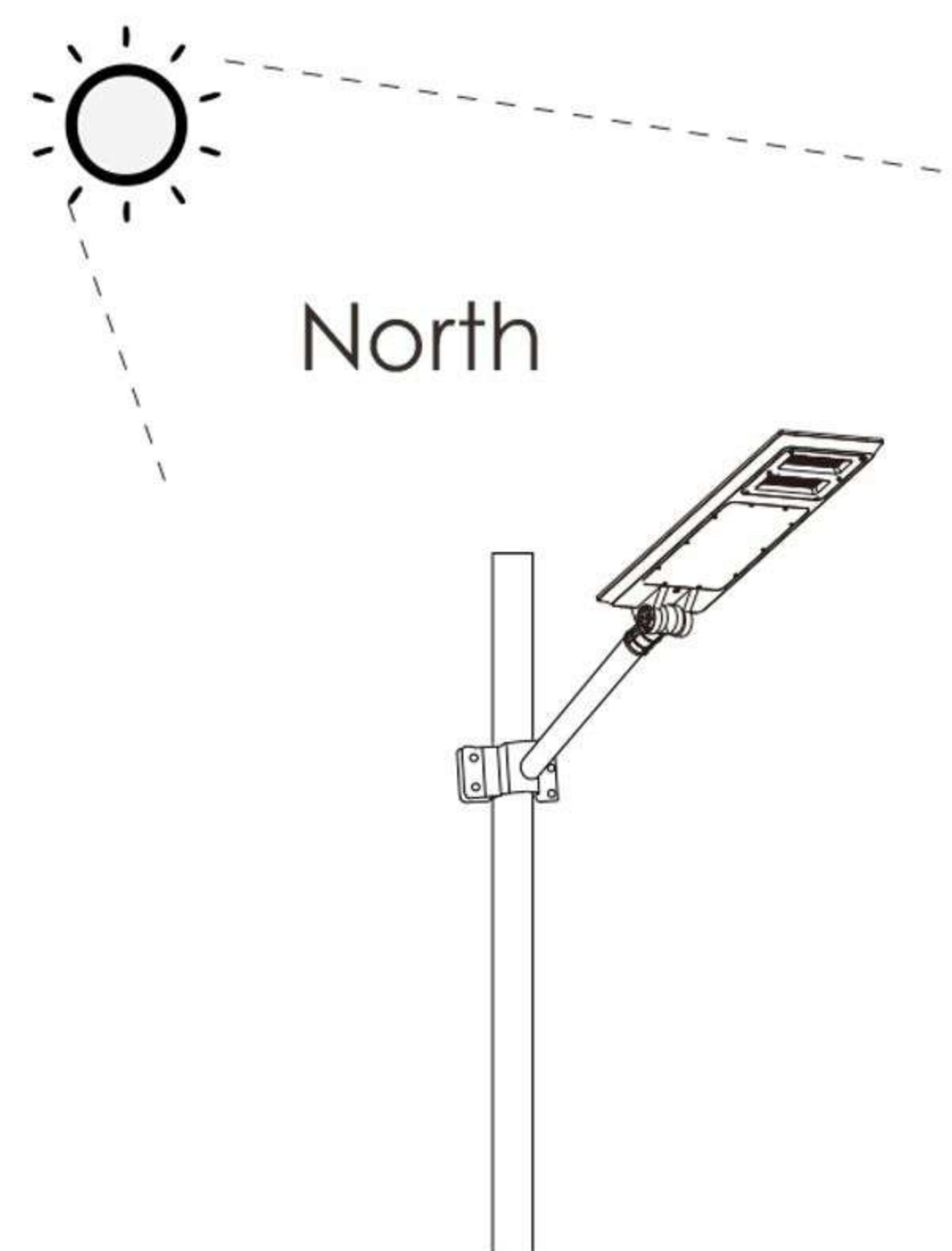
Every battery pack need to thorough charging and discharging test by the aging test machine to keep 100% qualified.



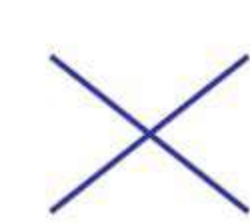
Solar panels need to face the sun and avoid being shaded by houses or leaves; If the location is in the north sphere, the panel should face to south (as shown).



100% charging efficiency



65% charging efficiency



(A diagram for how the orientation impacts on power generation efficiency)

WARNING

- Please avoid looking directly at the light.
- The charging and dismantling process must be carried out in a safe place.
- Do not short-circuit, disassemble ; do not put in the water and near the fire.
- Without professionals, do not attempt to repair or replace the battery, the supplier shall not be responsible for any damage of the consequence of replacing or repairing the battery that not conducting by supplier.