

All CoreLED Systems, LLC Optical Components are designed and manufactured in the USA.

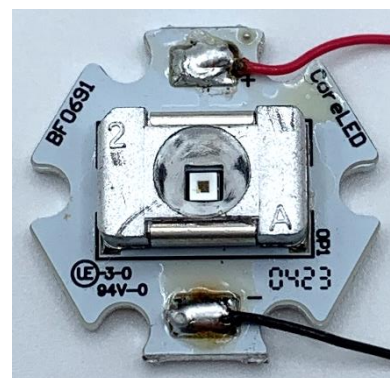
- Reflector Description: Surface Mounted Reflector, 5X5 Flood
- Al Direct Metallized reflector coating
- Photometric pattern: 23° FLOOD
- Photometric Data: Contact CoreLED for IES files,
Default Watts = 1 Watt, 1 Million Rays
- Mech Spec: SMR Family Part #11001-STAR-P1616-IR850nm see
Product Data Sheet
- Packaging & Solder Spec: see Product Data Sheet
- Emitter name: OSLON P1616 IR LED (1.6mm x 1.6mm Footprint)
- Emitter P/N: OSRAM SFH 4170S (850nm)

Dimensions:

7.54 mm Width
11.99 mm Length
3.5 mm Height

*See Part Drawing
for more details*

IES NEMA Type	5H x 5V
Horizontal Beam Angle (50%)	22.0
Vertical Beam Angle (50%)	23.7
Horizontal Field Angle (10%)	75.7
Vertical Field Angle (10%)	75.7
Total Efficiency	85%

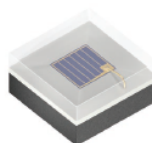


Radiant Intensity
W/sr vs Angle

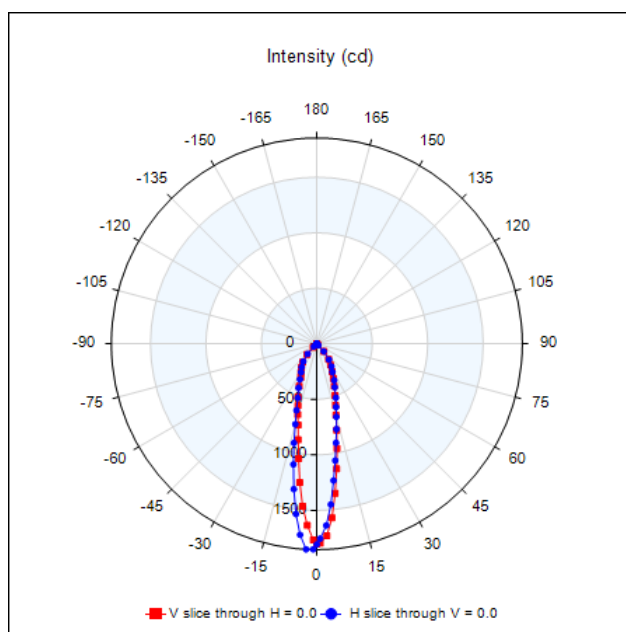
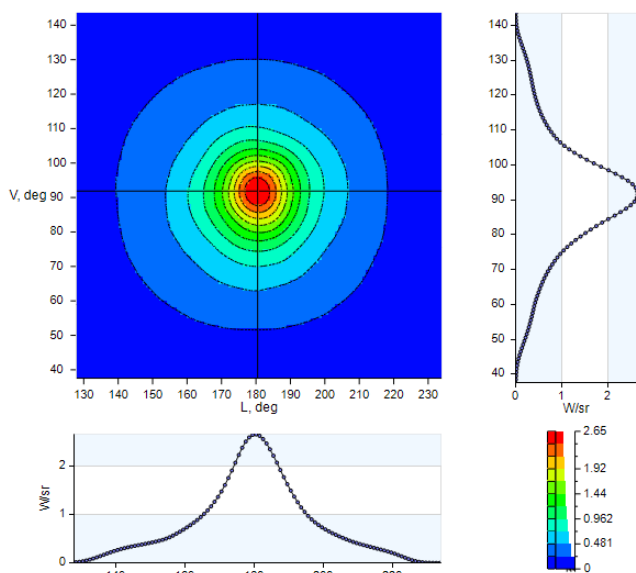
SFH 4170S

OSLON® P1616

High Power Infrared Emitter (850 nm)



23 DEGREE FWHM



Results shown are from measured prototype samples.