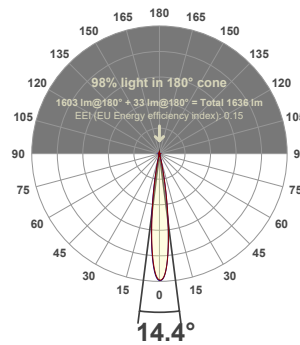


COB\_SL90\_3000K\_1908lm\_Narrow\_14.4°

09/05/2025

LOR: 84% \*



The diagram illustrates the light distribution of a 14-degree beam projector. It shows a central beam center line and the beam's width at various distances. The light intensity is measured in Lux\* and Footcandles\*, and the beam width is measured in meters and feet.

| Distance (meter) | Distance (feet) | Lux*     | Footcandles* | Beam width (meter) | Beam width (feet) |
|------------------|-----------------|----------|--------------|--------------------|-------------------|
| 1 m              | 3.3 ft          | 23256 lx | 2160.5 fcd   | 0.3 m              | 0.8 ft            |
| 2 m              | 6.6 ft          | 5814 lx  | 540.1 fcd    | 0.5 m              | 1.7 ft            |
| 3 m              | 9.8 ft          | 2584 lx  | 240.1 fcd    | 0.8 m              | 2.5 ft            |
| 4 m              | 13.1 ft         | 1453 lx  | 135.0 fcd    | 1 m                | 3.3 ft            |
| 5 m              | 16.4 ft         | 930 lx   | 86.4 fcd     | 1.3 m              | 4.2 ft            |

\*measured at center of beam

|                |                 |                   |
|----------------|-----------------|-------------------|
| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% |
| 14.4°          | 23.8°           | 28.8°             |

| Peak intensity | Int. ratio in 120° cone | Int. ratio in 90° cone |
|----------------|-------------------------|------------------------|
| 23333 cd       | 99.0%                   | 98.4%                  |

| 1m        | 2m       | 3m       | 4m     | 5m      | 6m     | 7m      | 8m      | 9m      | 10m     | 11m     | 12m    | 13m     | 14m    | 15m    | 16m    | 17m    | 18m    | 19m    | 20m    |
|-----------|----------|----------|--------|---------|--------|---------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| 3.3ft     | 6.6ft    | 9.8ft    | 13.1ft | 16.4ft  | 19.7ft | 23ft    | 26.2ft  | 29.5ft  | 32.8ft  | 36.1ft  | 39.4ft | 42.7ft  | 45.9ft | 49.2ft | 52.5ft | 55.8ft | 59.1ft | 62.3ft | 65.6ft |
| 23256lx   | 5814lx   | 2584lx   | 1453lx | 930lx   | 646lx  | 475lx   | 363lx   | 287lx   | 233lx   | 192lx   | 161lx  | 138lx   | 119lx  | 103lx  | 91lx   | 80lx   | 72lx   | 64lx   | 58lx   |
| 2160.5fcd | 540.1fcd | 240.1fcd | 135fcd | 86.4fcd | 60fcd  | 44.1fcd | 33.8fcd | 26.7fcd | 21.6fcd | 17.9fcd | 15fcd  | 12.8fcd | 11fcd  | 9.6fcd | 8.4fcd | 7.5fcd | 6.7fcd | 6fcd   | 5.4fcd |

Stoane Lighting advise that lighting designers apply a +/- 5% tolerance allowance on the files we provide as subtle variations in system components (eg slight variations in output of LED light sources through a bin) and ambient temperature variations can effect output and distribution slightly.