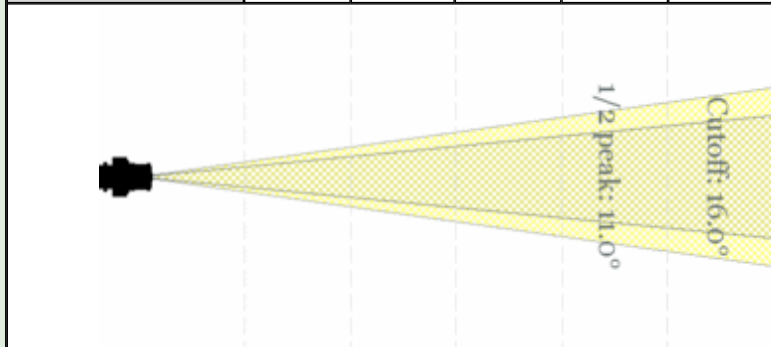


Standard Lens , Zoom at Minimum (16°)

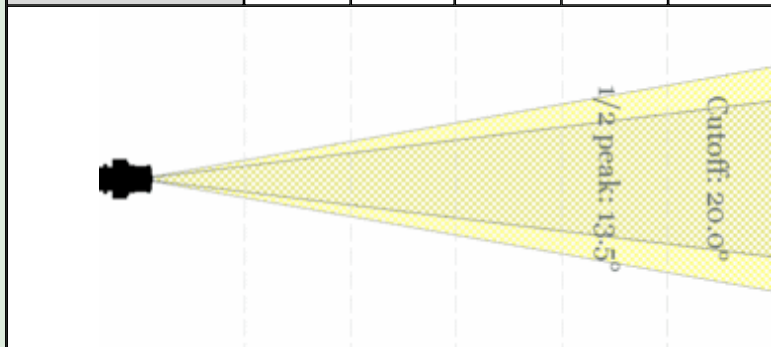
Distance (m.)	5	10	15	20	25
Cutoff	1.4	2.8	4.2	5.6	7.0
1/2 peak	1.0	1.9	2.9	3.9	4.8
Illuminance (lux)	19640	4910	2182	1228	786



Efficiency
27%
Half-peak diameter
0.19 X distance(m)
Cutoff diameter
0.28 X distance(m)
Illuminance
$491000 / \text{distance}^2$ (lux)
Total Output
14300 (lumens)

Standard Lens , Zoom at Median (20°)

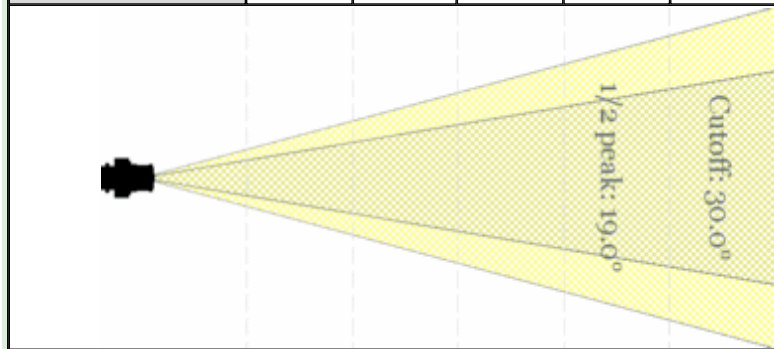
Distance (m.)	4	8	12	16	20
Cutoff	1.4	2.8	4.2	5.6	7.1
1/2 peak	1.0	1.9	2.8	3.8	4.7
Illuminance (lux)	19812	4953	2201	1238	792



Efficiency
27%
Half-peak diameter
0.24 X distance(m)
Cutoff diameter
0.35 X distance(m)
Illuminance
$317000 / \text{distance}^2$ (lux)
Total Output
14600 (lumens)

Standard Lens , Zoom at Maximum (30°)

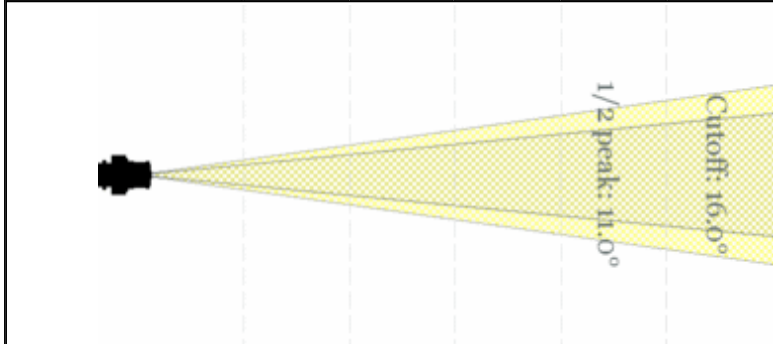
Distance (m.)	3	6	9	12	15
Cutoff	1.6	3.2	4.8	6.4	8.0
1/2 peak	1.0	2.0	3.0	4.0	5.0
Illuminance (lux)	16556	4139	1840	1035	662



Efficiency
27%
Half-peak diameter
0.33 X distance(m)
Cutoff diameter
0.54 X distance(m)
Illuminance
$149000 / \text{distance}^2$ (lux)
Total Output
14700 (lumens)

Without diffuser
Standard Lens , Zoom at Minimum (16°)

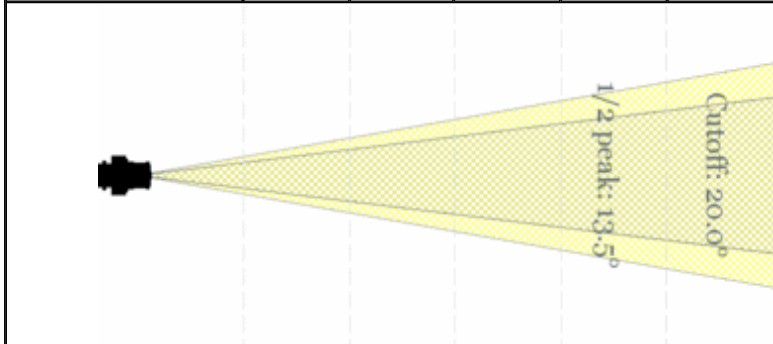
Distance (m.)	5	10	15	20	25
Cutoff	1.4	2.8	4.2	5.6	7.0
1/2 peak	1.0	1.9	2.9	3.9	4.8
Illuminance (lux)	22200	5550	2467	1388	888



Efficiency
30%
Half-peak diameter
0.19 X distance(m)
Cutoff diameter
0.28 X distance(m)
Illuminance
$555000 / \text{distance}^2$ (lux)
Total Output
16200 (lumens)

Without diffuser
Standard Lens , Zoom at Median (20°)

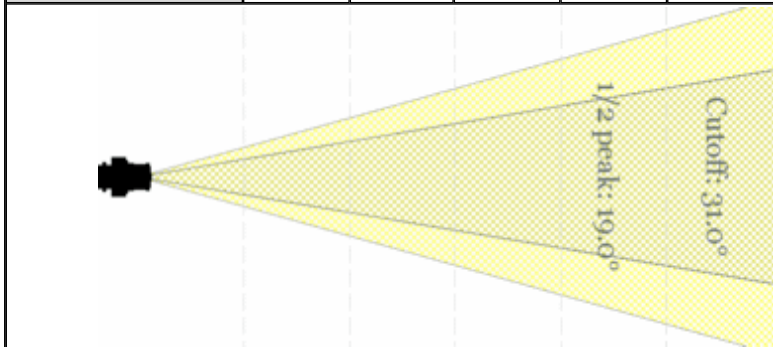
Distance (m.)	4	8	12	16	20
Cutoff	1.4	2.8	4.2	5.6	7.1
1/2 peak	1.0	1.9	2.8	3.8	4.7
Illuminance (lux)	22438	5609	2493	1402	898



Efficiency
31%
Half-peak diameter
0.24 X distance(m)
Cutoff diameter
0.35 X distance(m)
Illuminance
$359000 / \text{distance}^2$ (lux)
Total Output
16500 (lumens)

Without diffuser
 Standard Lens , Zoom at Maximum (31°)

Distance (m.)	3	6	9	12	15
Cutoff	1.7	3.3	5.0	6.7	8.3
1/2 peak	1.0	2.0	3.0	4.0	5.0
Illuminance (lux)	18222	4556	2025	1139	729



Efficiency
31%
Half-peak diameter
0.33 X distance(m)
Cutoff diameter
0.55 X distance(m)
Illuminance
164000 / distance ² (lux)
Total Output
16700 (lumens)