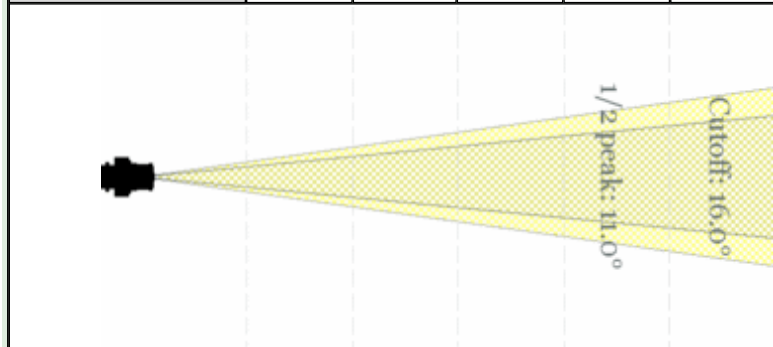


### Standard Lens , Zoom at Minimum (16°)

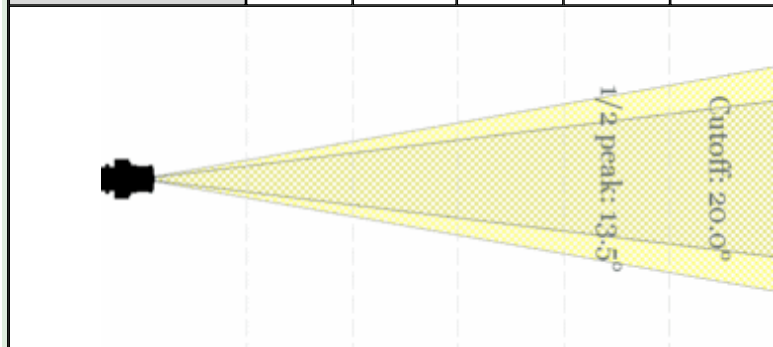
Distance (ft.)	16	33	49	66	82
Cutoff	4.5	9.3	13.8	18.6	23.1
1/2 peak	3.1	6.4	9.4	12.7	15.8
Illuminance (fc)	1918	451	204	113	73



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

### Standard Lens , Zoom at Median (20°)

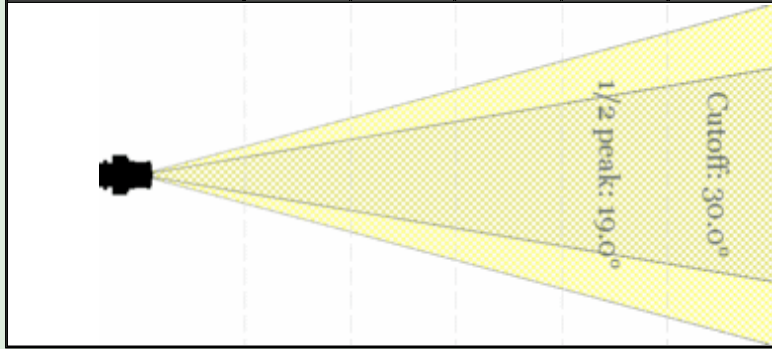
Distance (ft.)	13	26	39	52	66
Cutoff	4.6	9.2	13.8	18.3	23.3
1/2 peak	3.1	6.2	9.2	12.3	15.6
Illuminance (fc)	1876	469	208	117	73



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

Standard Lens , Zoom at Maximum (30°)

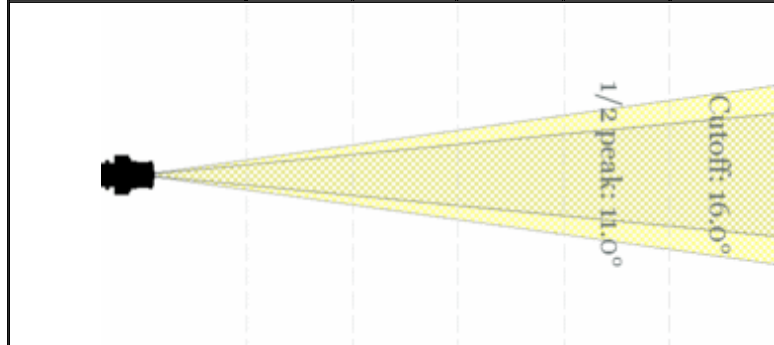
Distance (ft.)	10	20	30	39	49
Cutoff	5.4	10.7	16.1	20.9	26.3
1/2 peak	3.4	6.7	10.0	13.1	16.4
Illuminance (fc)	1490	372	166	98	62



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

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

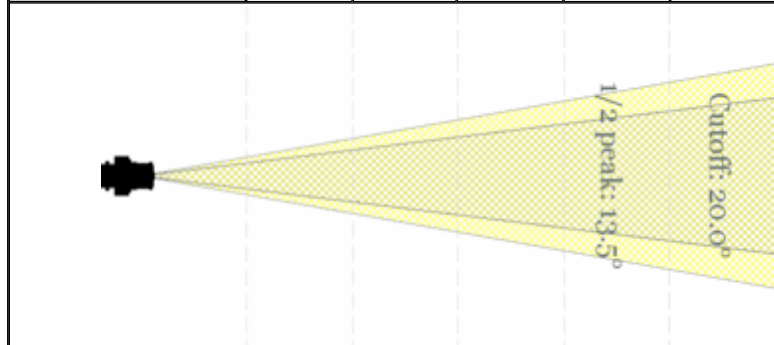
Distance (ft.)	16	33	49	66	82
Cutoff	4.5	9.3	13.8	18.6	23.1
1/2 peak	3.1	6.4	9.4	12.7	15.8
Illuminance (fc)	2168	510	231	127	83



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

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

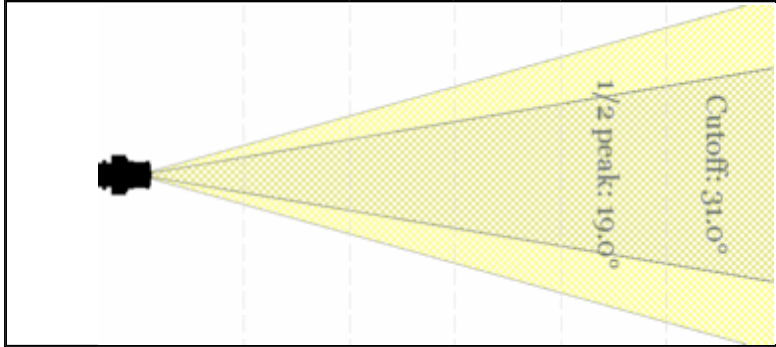
Distance (ft.)	13	26	39	52	66
Cutoff	4.6	9.2	13.8	18.3	23.3
1/2 peak	3.1	6.2	9.2	12.3	15.6
Illuminance (fc)	2124	531	236	133	82



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

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

Distance (ft.)	10	20	30	39	49
Cutoff	5.6	11.1	16.6	21.6	27.2
1/2 peak	3.4	6.7	10.0	13.1	16.4
Illuminance (fc)	1640	410	182	108	68



Efficiency
31%
Half-peak diameter
0.33 X distance(ft)
Cutoff diameter
0.55 X distance(ft)
Illuminance
$164000 / \text{distance}^2$ (fc)
Total Output
16700 (lumens)