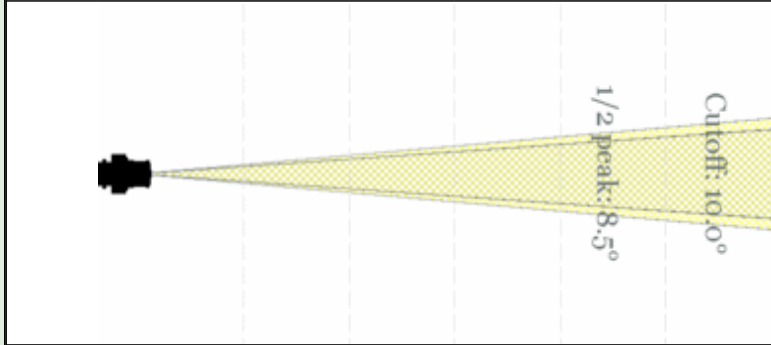


Standard (beamsmoothen removed) , Zoom at Minimum (10°)

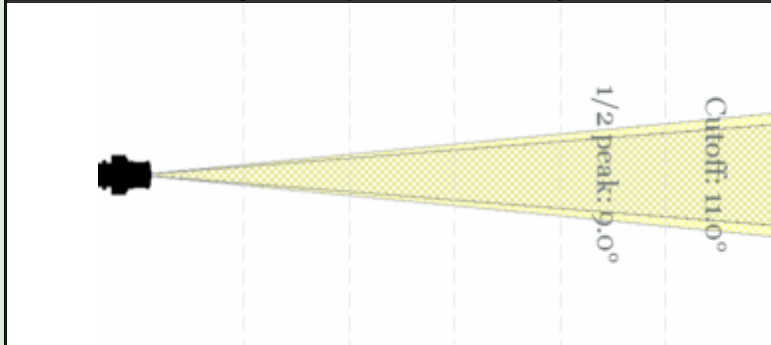
Distance (ft.)	33	66	98	131	164
Cutoff	5.8	11.6	17.2	22.9	28.7
1/2 peak	4.9	9.8	14.6	19.5	24.4
Illuminance (fc)	1408	352	160	89	57



Efficiency
28%
Half-peak diameter
0.15 X distance(ft)
Cutoff diameter
0.17 X distance(ft)
Illuminance
$1533000 / \text{distance}^2$ (fc)
Total Output
23500 (lumens)

Standard Lens , Zoom at Minimum (11°)

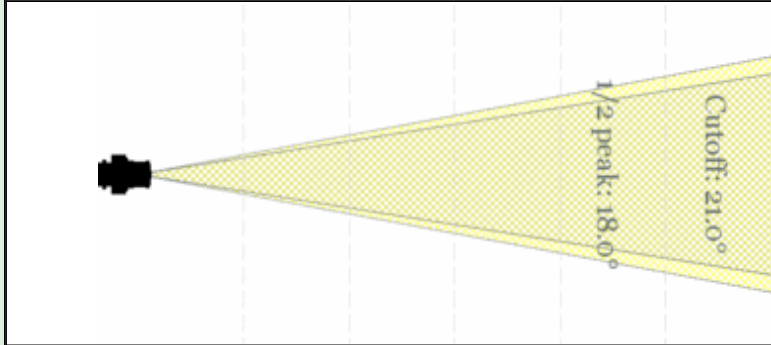
Distance (ft.)	33	66	98	131	164
Cutoff	6.4	12.7	18.9	25.2	31.6
1/2 peak	5.2	10.4	15.4	20.6	25.8
Illuminance (fc)	1159	290	131	74	47



Efficiency
26%
Half-peak diameter
0.16 X distance(ft)
Cutoff diameter
0.19 X distance(ft)
Illuminance
$1262000 / \text{distance}^2$ (fc)
Total Output
22000 (lumens)

Standard Lens , Zoom at Median (21°)

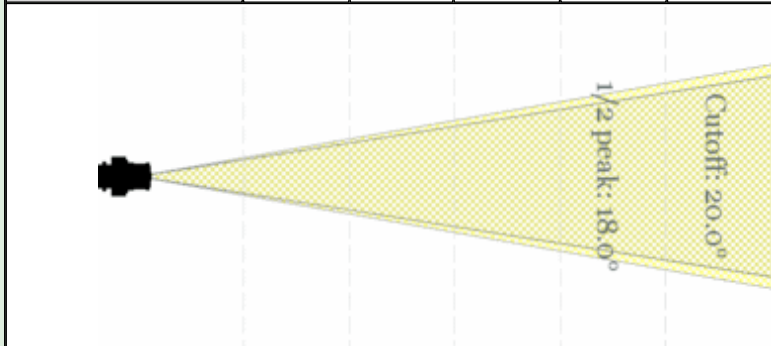
Distance (ft.)	13	26	39	52	66
Cutoff	4.8	9.6	14.5	19.3	24.5
1/2 peak	4.1	8.2	12.4	16.5	20.9
Illuminance (fc)	1982	496	220	124	77



Efficiency
27%
Half-peak diameter
0.32 X distance(ft)
Cutoff diameter
0.37 X distance(ft)
Illuminance
$335000 / \text{distance}^2 \text{ (fc)}$
Total Output
23300 (lumens)

Standard (beamsmoothen removed) , Zoom at Median (20°)

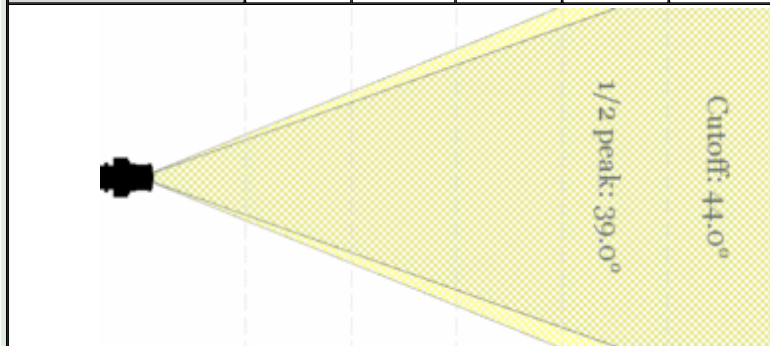
Distance (ft.)	13	26	39	52	66
Cutoff	4.6	9.2	13.8	18.3	23.3
1/2 peak	4.1	8.2	12.4	16.5	20.9
Illuminance (fc)	2272	568	252	142	88



Efficiency
30%
Half-peak diameter
0.32 X distance(ft)
Cutoff diameter
0.35 X distance(ft)
Illuminance
$384000 / \text{distance}^2 \text{ (fc)}$
Total Output
25700 (lumens)

Standard (beamsmoothen removed) , Zoom at Maximum (44°)

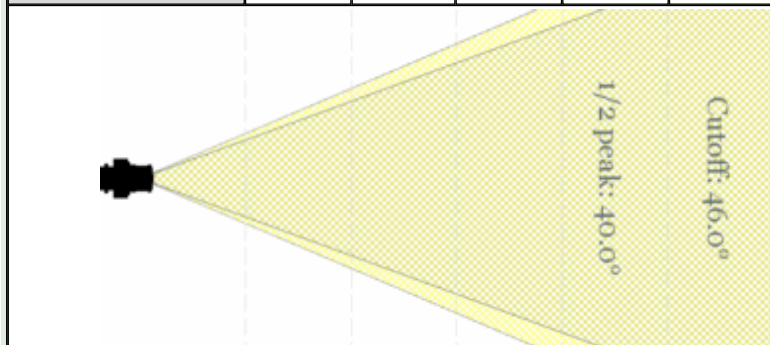
Distance (ft.)	7	13	20	26	33
Cutoff	5.7	10.5	16.2	21.0	26.7
1/2 peak	5.0	9.2	14.2	18.4	23.4
Illuminance (fc)	1694	491	208	123	76



Efficiency
31%
Half-peak diameter
0.71 X distance(ft)
Cutoff diameter
0.81 X distance(ft)
Illuminance
$83000 / \text{distance}^2$ (fc)
Total Output
26000 (lumens)

Standard Lens , Zoom at Maximum (46°)

Distance (ft.)	7	13	20	26	33
Cutoff	5.9	11.0	17.0	22.1	28.0
1/2 peak	5.1	9.5	14.6	18.9	24.0
Illuminance (fc)	1510	438	185	109	68



Efficiency
28%
Half-peak diameter
0.73 X distance(ft)
Cutoff diameter
0.85 X distance(ft)
Illuminance
$74000 / \text{distance}^2$ (fc)
Total Output
23800 (lumens)