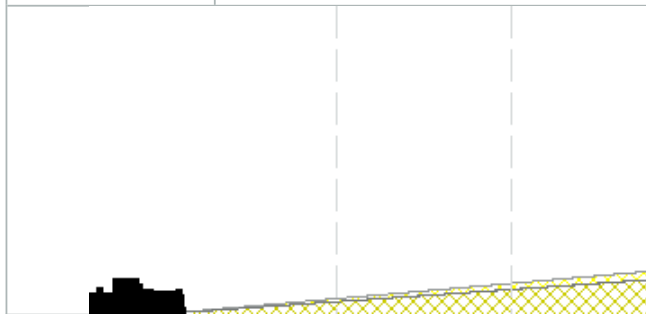


Standard Lens , Zoom at M (10°)

Distance (m.)	10	20	30	40	50
Cutoff	1.8	3.5	5.3	7.0	8.8
1/2 peak	1.5	3.0	4.5	6.0	7.4
Illuminance (lux)	15330	3832	1703	958	613

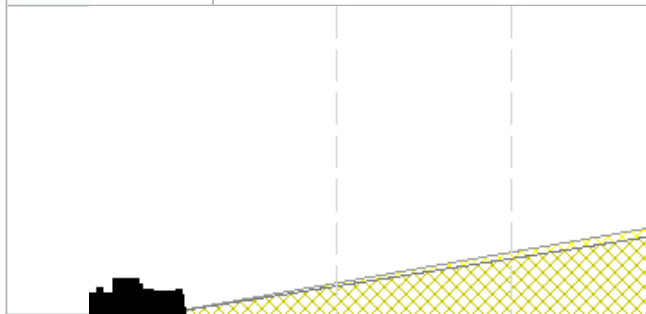


Efficiency	28%
Half-peak diameter	0.15 X distance(m)
Cutoff diameter	0.17 X distance(m)
Illuminance	$1533000 / \text{distance}^2$ (lux)
Total Output	23500 (lumens)

[IES Data 2002](#)

Standard Lens , Zoom at M (20°)

Distance (m.)	4	8	12	16	20
Cutoff	1.4	2.8	4.2	5.6	7.1
1/2 peak	1.3	2.5	3.8	5.1	6.3
Illuminance (lux)	24000	6000	2667	1500	960

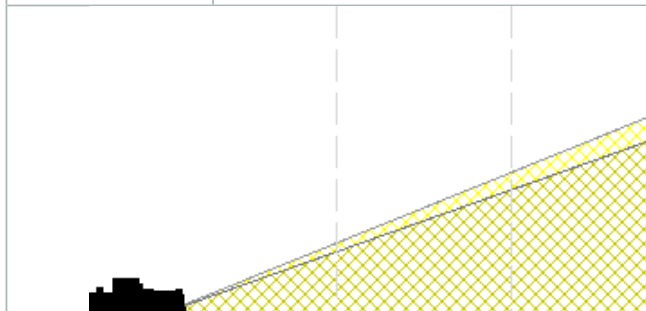


Efficiency	30%
Half-peak diameter	0.32 X distance(m)
Cutoff diameter	0.35 X distance(m)
Illuminance	$384000 / \text{distance}^2$ (lux)
Total Output	25700 (lumens)

[IES Data 2002](#)

Standard Lens , Zoom at M (44°)

Distance (m.)	2	4	6	8	10
Cutoff	1.6	3.2	4.9	6.5	8.1
1/2 peak	1.4	2.8	4.3	5.7	7.1
Illuminance (lux)	20750	5188	2306	1297	830



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

[IES Data 2002](#)