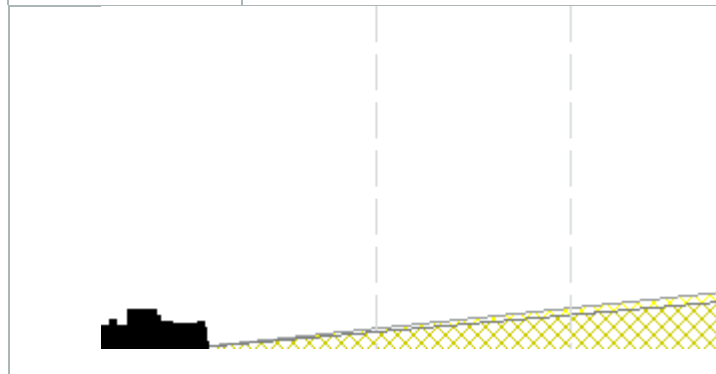


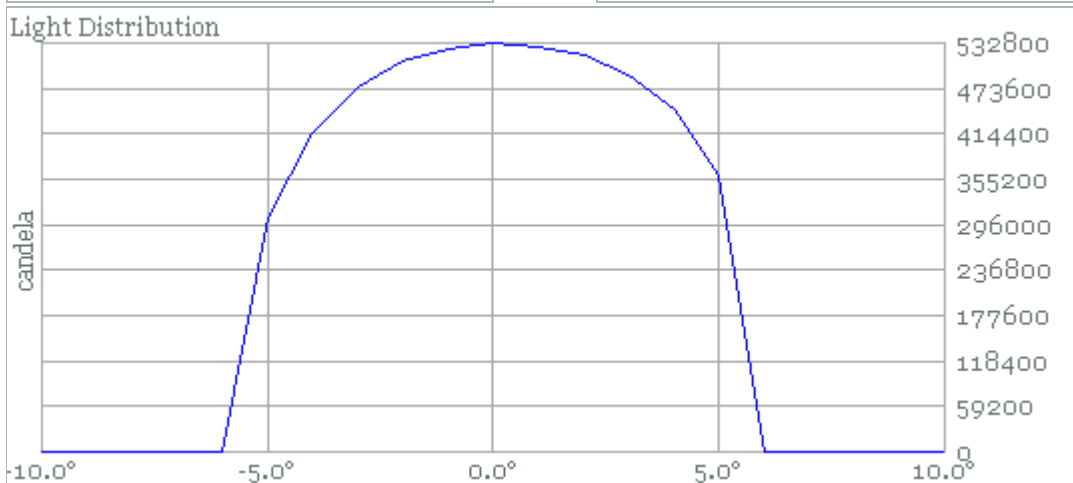
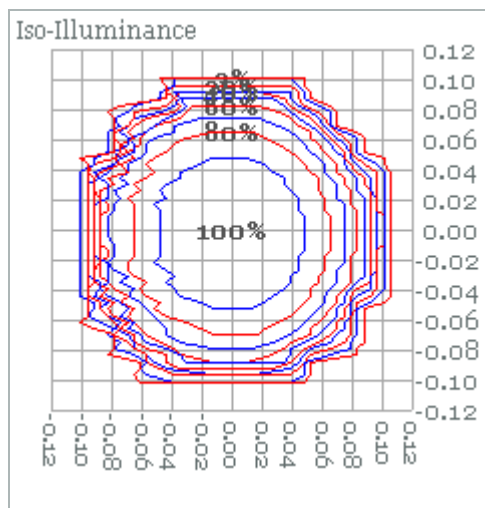
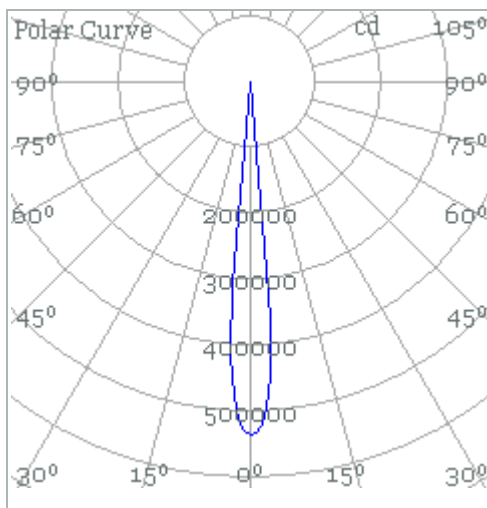
MAC Quantum Profile Photometrics

Standard Lens , Zoom at M (12°)

Distance (m.)	5	10	15	20	25
Cutoff	1.1	2.1	3.2	4.2	5.3
1/2 peak	0.9	1.8	2.8	3.7	4.6
Illuminance (lux)	21280	5320	2364	1330	851

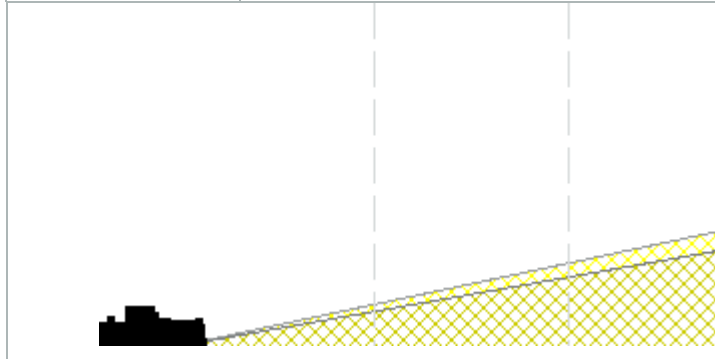


Efficacy
21.3 lumens per watt
Half-peak diameter
0.18 X distance(m)
Cutoff diameter
0.21 X distance(m)
Illuminance
$532000 / \text{distance}^2$ (lux)
Total Output
12700 (lumens)

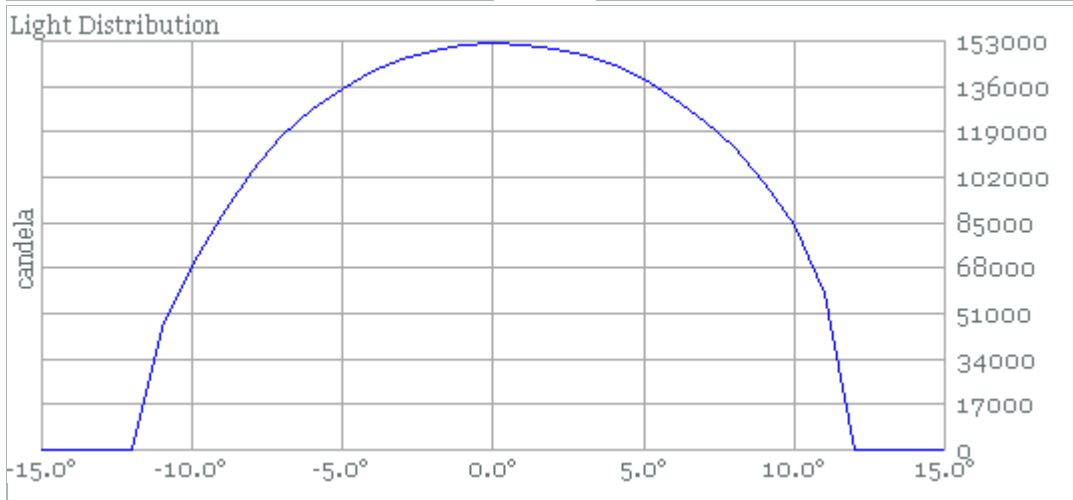
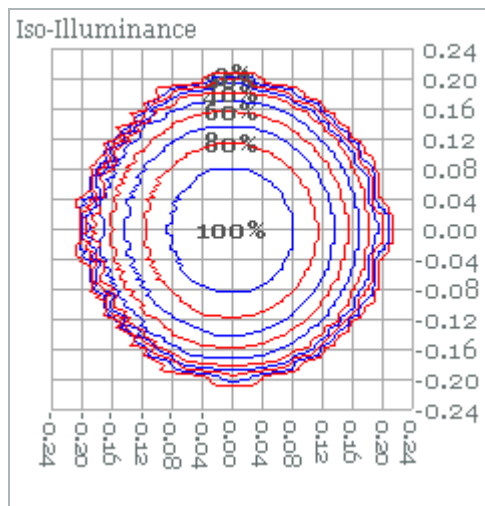
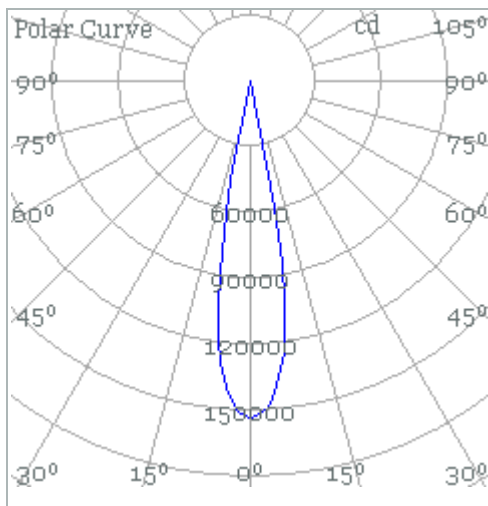


Standard Lens , Zoom at M (24°)

Distance (m.)	3	6	9	12	15
Cutoff	1.3	2.6	3.8	5.1	6.4
1/2 peak	1.1	2.1	3.2	4.2	5.3
Illuminance (lux)	16889	4222	1877	1056	676

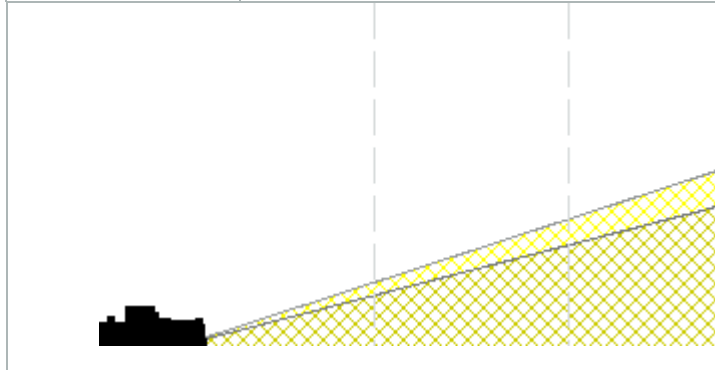


Efficacy
21.3 lumens per watt
Half-peak diameter
0.35 X distance(m)
Cutoff diameter
0.43 X distance(m)
Illuminance
$152000 / \text{distance}^2$ (lux)
Total Output
12700 (lumens)



Standard Lens , Zoom at M (36°)

Distance (m.)	2	4	6	8	10
Cutoff	1.3	2.6	3.9	5.2	6.5
1/2 peak	1.0	2.1	3.1	4.1	5.2
Illuminance (lux)	17250	4312	1917	1078	690



Efficacy
21.5 lumens per watt
Half-peak diameter
0.52 X distance(m)
Cutoff diameter
0.65 X distance(m)
Illuminance
$69000 / \text{distance}^2$ (lux)
Total Output
12800 (lumens)

