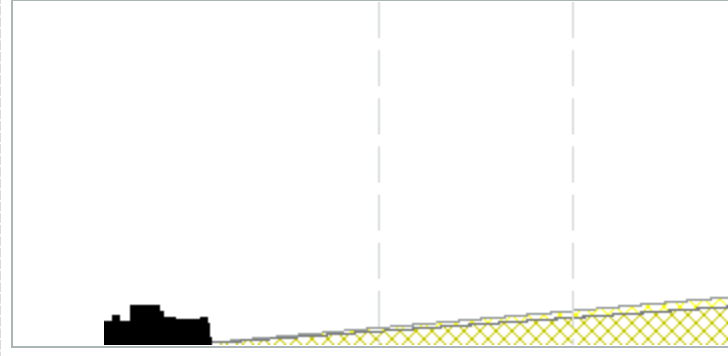
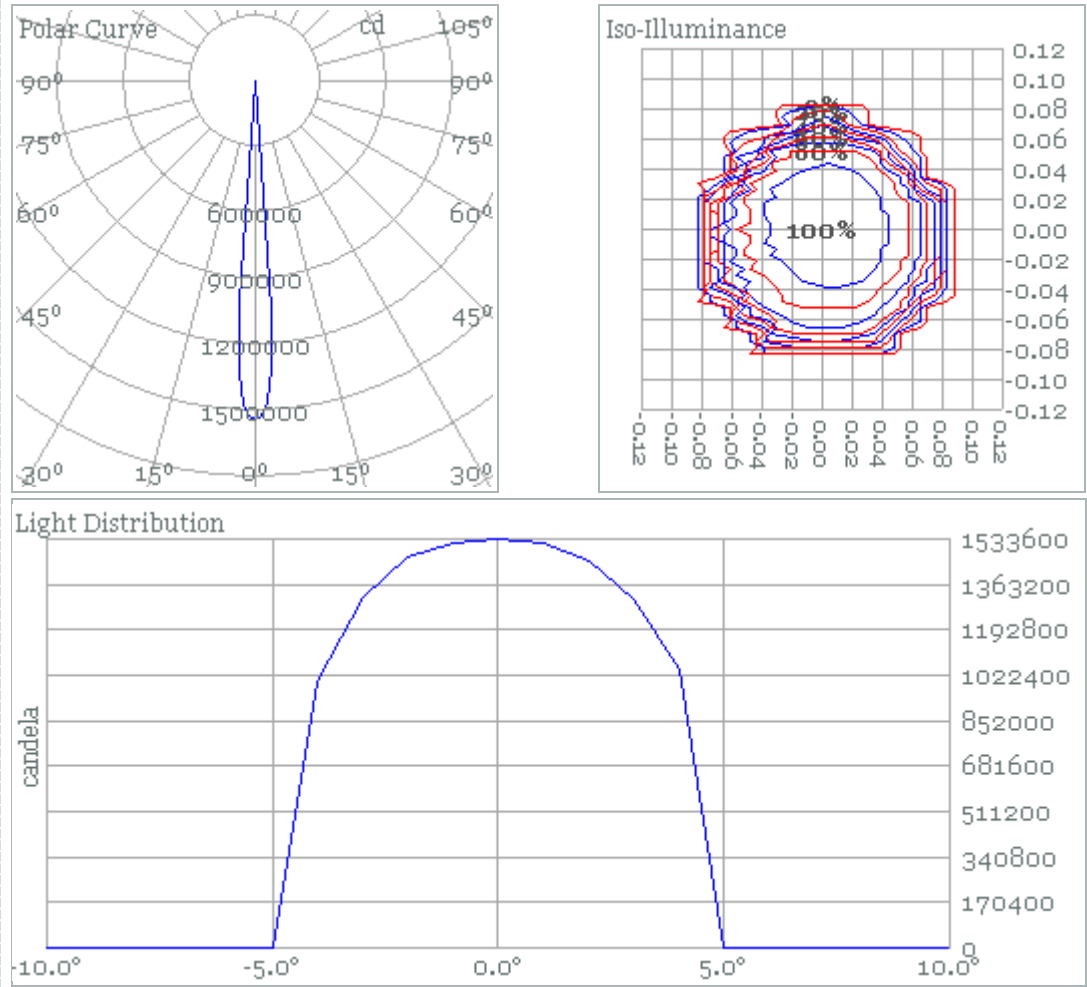


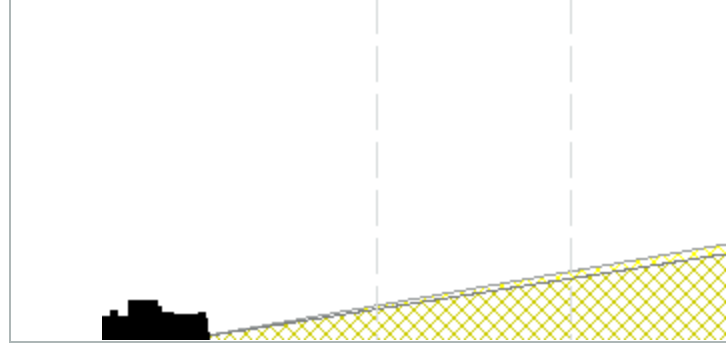
MAC Viper Profile Photometrics

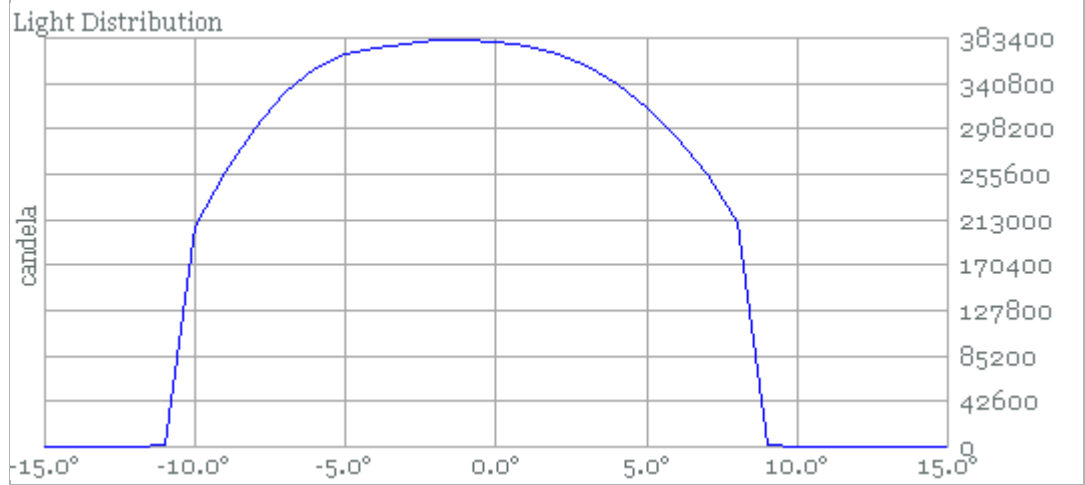
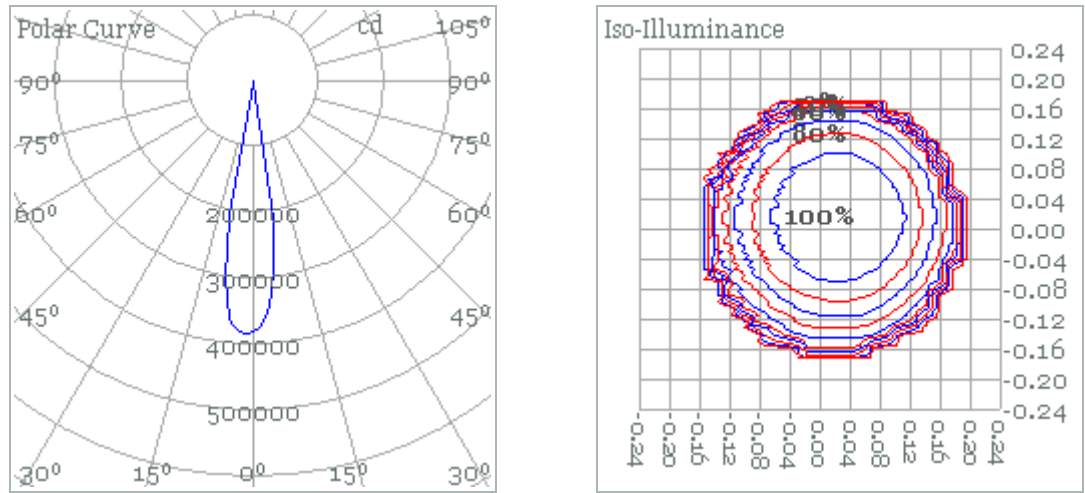
Standard Lens , Zoom at M (10°)

Distance (m.)	10	20	30	40	50	Efficiency
Cutoff	1.8	3.5	5.3	7.0	8.8	28%
1/2 peak	1.5	3.0	4.5	6.0	7.4	Half-peak diameter
Illuminance (lux)	15330	3832	1703	958	613	0.15 X distance(m)
						Cutoff diameter
						0.17 X distance(m)
						Illuminance
						1533000 / distance <sup>2</sup> (lux)
						Total Output
						23500 (lumens)

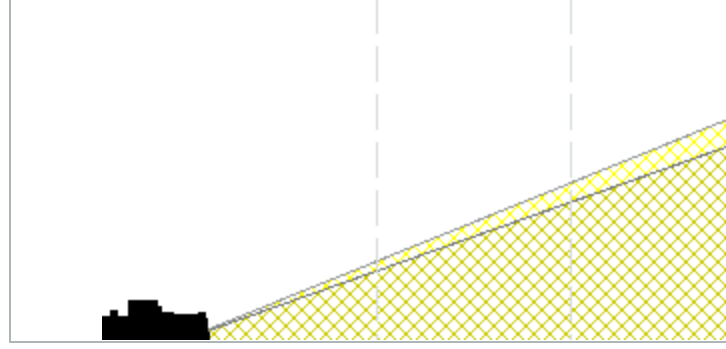


Standard Lens , Zoom at M (20°)

Distance (m.)	4	8	12	16	20	Efficiency
Cutoff	1.4	2.8	4.2	5.6	7.1	30%
1/2 peak	1.3	2.5	3.8	5.1	6.3	Half-peak diameter
Illuminance (lux)	24000	6000	2667	1500	960	0.32 X distance(m)
						Cutoff diameter
						0.35 X distance(m)
						Illuminance
						384000 / distance <sup>2</sup> (lux)
						Total Output
						25700 (lumens)



Standard Lens , Zoom at M (44°)

Distance (m.)	2	4	6	8	10	Efficiency
Cutoff	1.6	3.2	4.9	6.5	8.1	31%
1/2 peak	1.4	2.8	4.3	5.7	7.1	Half-peak diameter
Illuminance (lux)	20750	5188	2306	1297	830	0.71 X distance(m)
						Cutoff diameter
						0.81 X distance(m)
						Illuminance
						83000 / distance <sup>2</sup> (lux)
						Total Output
						26000 (lumens)

