

TECHNICAL DETAIL & LAB TEST REPORT

FEATURES AND PATTERN

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CR-103+ Cree MK-R

Lens part number	CR103
Tested with LED	Cree MKR
Lens Material	PMMA
FWMH°	37

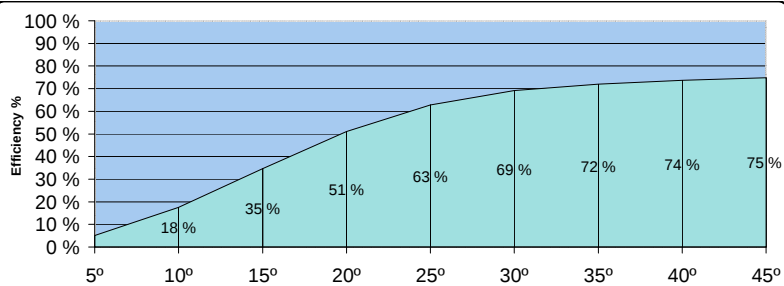


OPTICAL EFFICIENCY

Half Angle Divergence: 18.5 deg

HAD Efficiency: 45 %

Collection Efficiency: 79 %

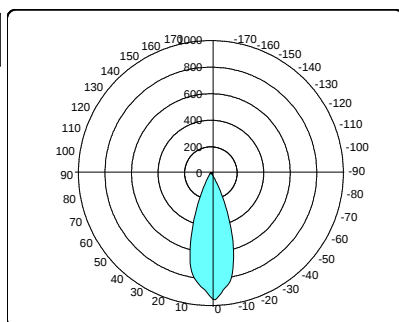


OUTPUT DISTRIBUTION

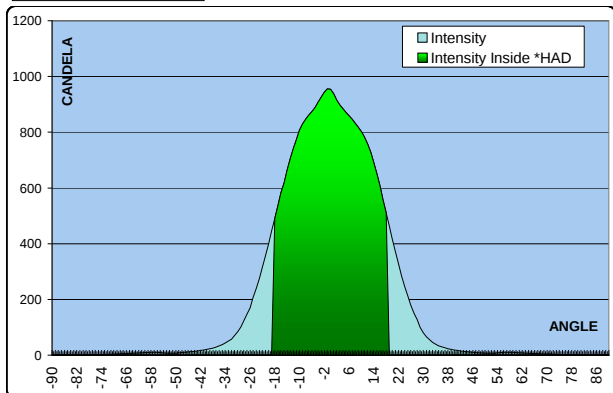
LED Flux: 510 Lumens at 350 mA

POLAR GRAPHIC

Max intensity
956Cd



CARTESIAN GRAPHIC



ILLUMINANCE

LED Flux: 510 Lumens at 350 mA

ILLUMINANCE VALUES AT VARIOUS DISTANCES

RANGE	1.0 m	2.0 m	3.0 m
ILLUMINANCE	954 Lux	238 Lux	106 Lux
MULTIPLICATOR RATE LED+LENS / LED ONLY	6 X		

