

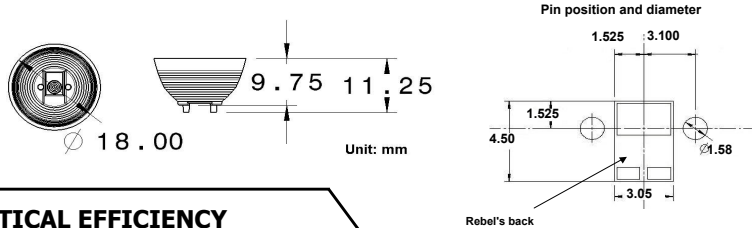
FEATURES AND PATTERN

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18 mm SERIES - 5° Half Angle - Part Number R-003

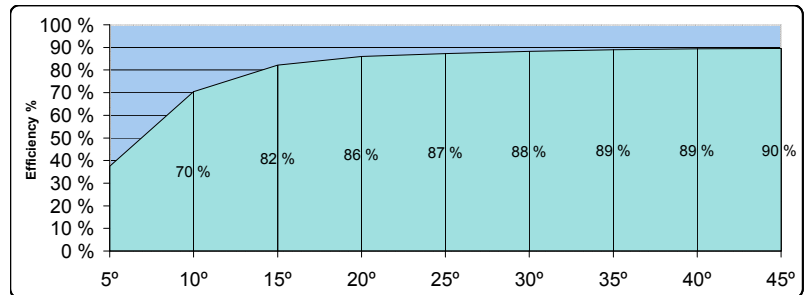
Lens Reference	DBM18A-5P-REW-1
Tested with LED	Luxeon Rebel 50lm White
HAD*	5 deg
Curve Type	PEAK
Lens Material	PMMA HT 121
Operating temperature	-40°C+110°C

*HAD = Half Angle Divergence



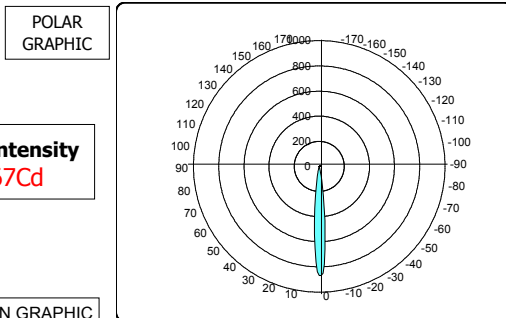
OPTICAL EFFICIENCY

Half Angle Divergence:	5 deg
HAD Efficiency:	38 %
Collection Efficiency:	92 %

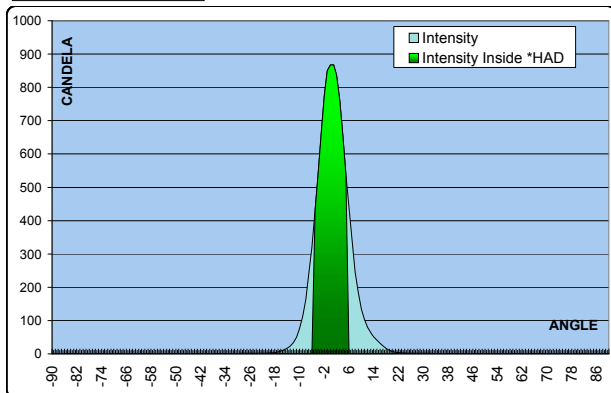


OUTPUT DISTRIBUTION

LED Flux: 48 Lumens at 350 mA



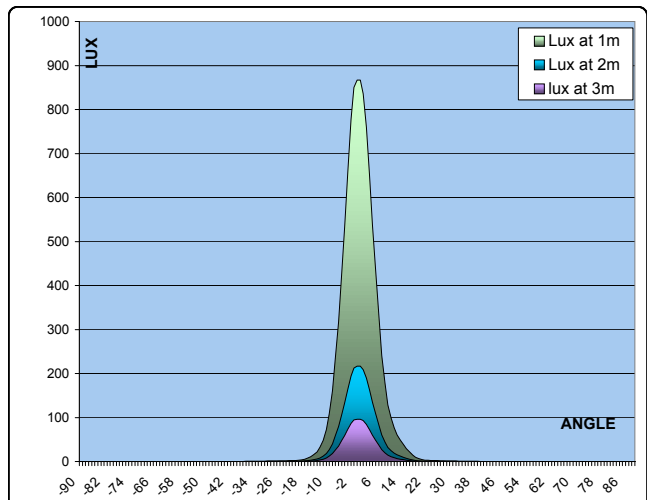
CARTESIAN GRAPHIC



ILLUMINANCE

LED Flux: 48 Lumens at 350 mA

ILLUMINANCE VALUES AT VARIOUS DISTANCES			
RANGE	1.0 m	2.0 m	3.0 m
ILLUMINANCE	867 Lux	217 Lux	96 Lux
MULTIPLICATOR RATE LED+LENS / LED ONLY	53 X		



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