

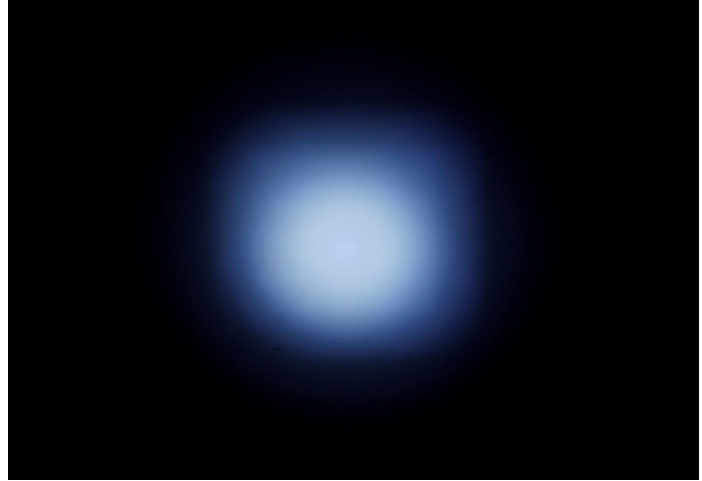
TECHNICAL DETAIL & LAB TEST REPORT

FEATURES AND PATTERN

0-005

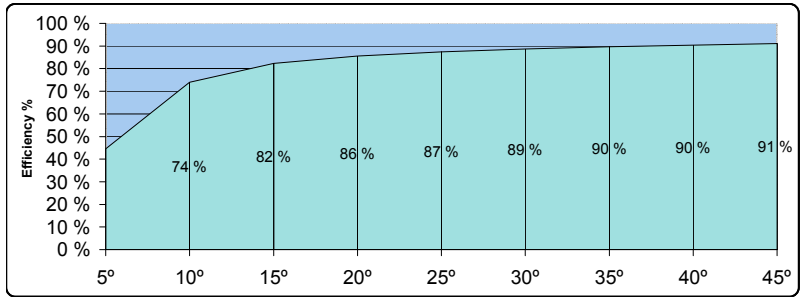
Lens Reference	DBM14.5A-5P-GDWAM-1
Tested with LED	Osram Golden dragon AM
HAD*	6 deg
Curve Type	PEAK / FLAT
Lens Material	PMMA
Operating temperature	-40°C+90°C

*HAD = Half Angle Divergence



OPTICAL EFFICIENCY

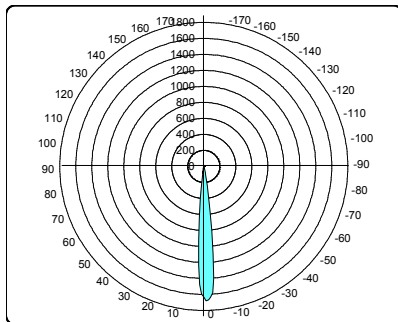
Half Angle Divergence:	6 deg
HAD Efficiency:	54 %
Collection Efficiency:	94 %



OUTPUT DISTRIBUTION

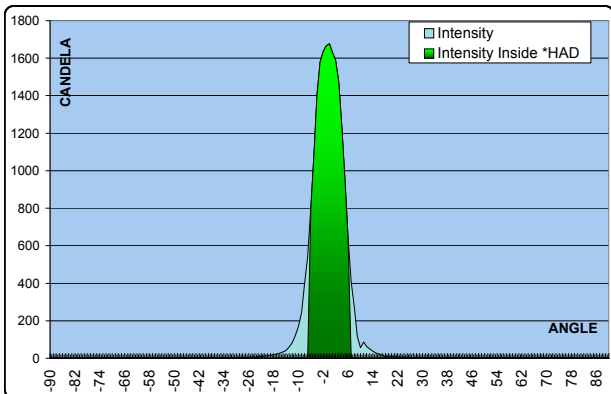
Measurements done with a 85 Lumens LED FLux

POLAR GRAPHIC



Max intensity
1677Cd

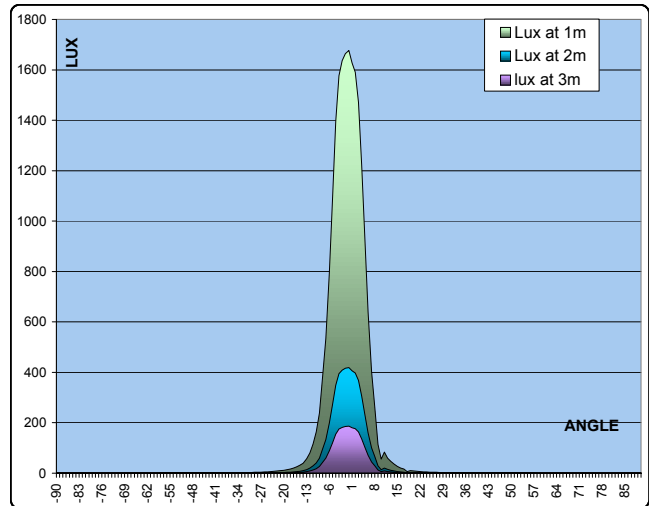
CARTESIAN GRAPHIC



ILLUMINANCE

ILLUMINANCE VALUES AT VARIOUS DISTANCES

RANGE	1.0 m	2.0 m	3.0 m
ILLUMINANCE	1677 Lux	419 Lux	186 Lux
MULTIPLICATOR RATE LED+LENS / LED ONLY	84 X		



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