

## DETAILS

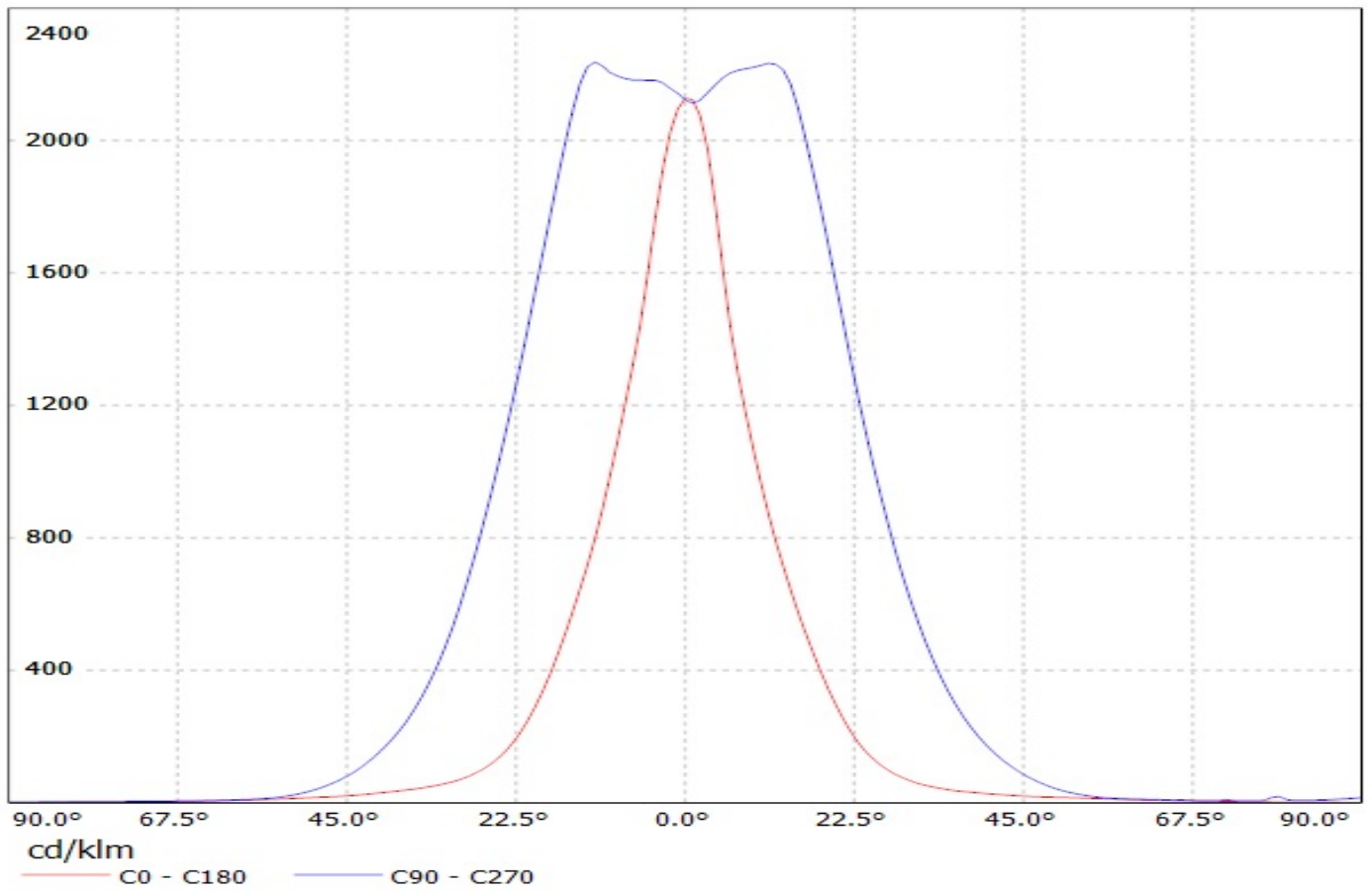
<b>Product Number</b>	FP11851_LISA2-O-90-PIN
<b>Family</b>	Lisa
<b>Type</b>	Assembly
<b>Color</b>	black
<b>Diameter</b>	9,9 mm
<b>Height</b>	6,8 mm
<b>Style</b>	round
<b>Optic Material</b>	PMMA
<b>Holder Material</b>	
<b>Fastening</b>	pin, glue
<b>Status</b>	production ready
<b>ROHS Compliant</b>	Yes
<b>Date Updated</b>	14/01/2016



## OPTICAL PROPERTIES

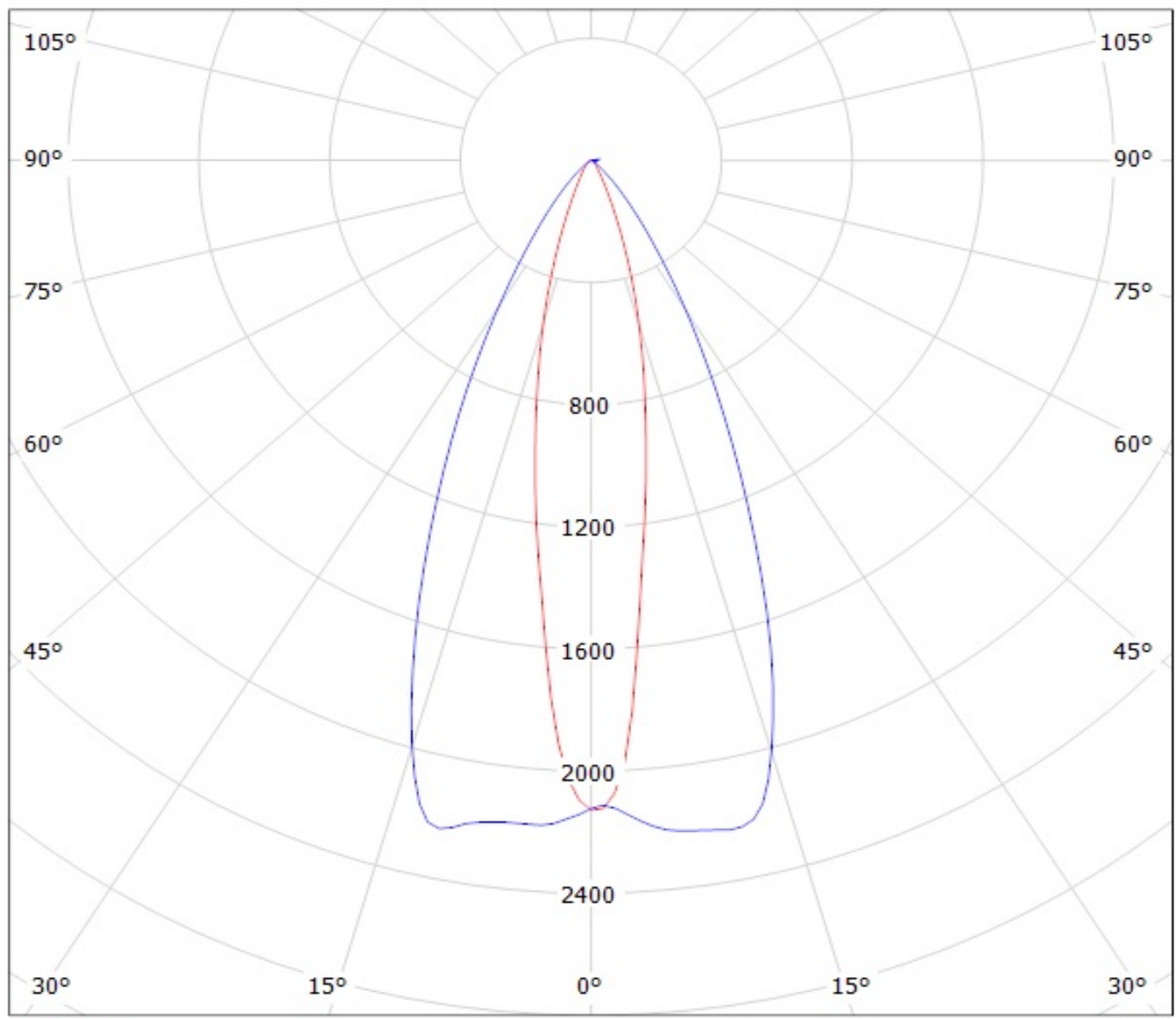
LED	Viewing	Light	Effi-		Connector
	Angle	Beam	ciency	cd/lm	
XP-E	48+18 deg	O-90	83 %	-	-
XP-G	48+18 deg	O-90	86 %	-	-
XQ-E	sim: 40+13	O-90	sim: 86 %	sim: 3.500	-
XQ-E HI	sim: 46+11	O-90	sim: 83 %	sim: 3.800	-
LUXEON Z ES	18+49 deg	O-90	80 %	2.200	-
Double Dome (GM2BB)	sim: 48+20	O-90	-	-	-

Luminaire: LEDiL Oy FP11851\_LISA2-O-90-PIN\_(Luxeon\_Z\_ES) Eff: 80%  
Lamps: 1 x Luxeon\_Z\_ES\_(LXZ2-3090)\_50.3792lm@250mA\_P=0.735356W\_I=249.9mA



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cd/klm

— C0 - C180    — C90 - C270

**NOTE: The typical divergence will be changed by different color, chip size and chip position tolerance. The typical total divergence is the full angle measured where the luminous intensity is half of the peak value.**