

## DETAILS

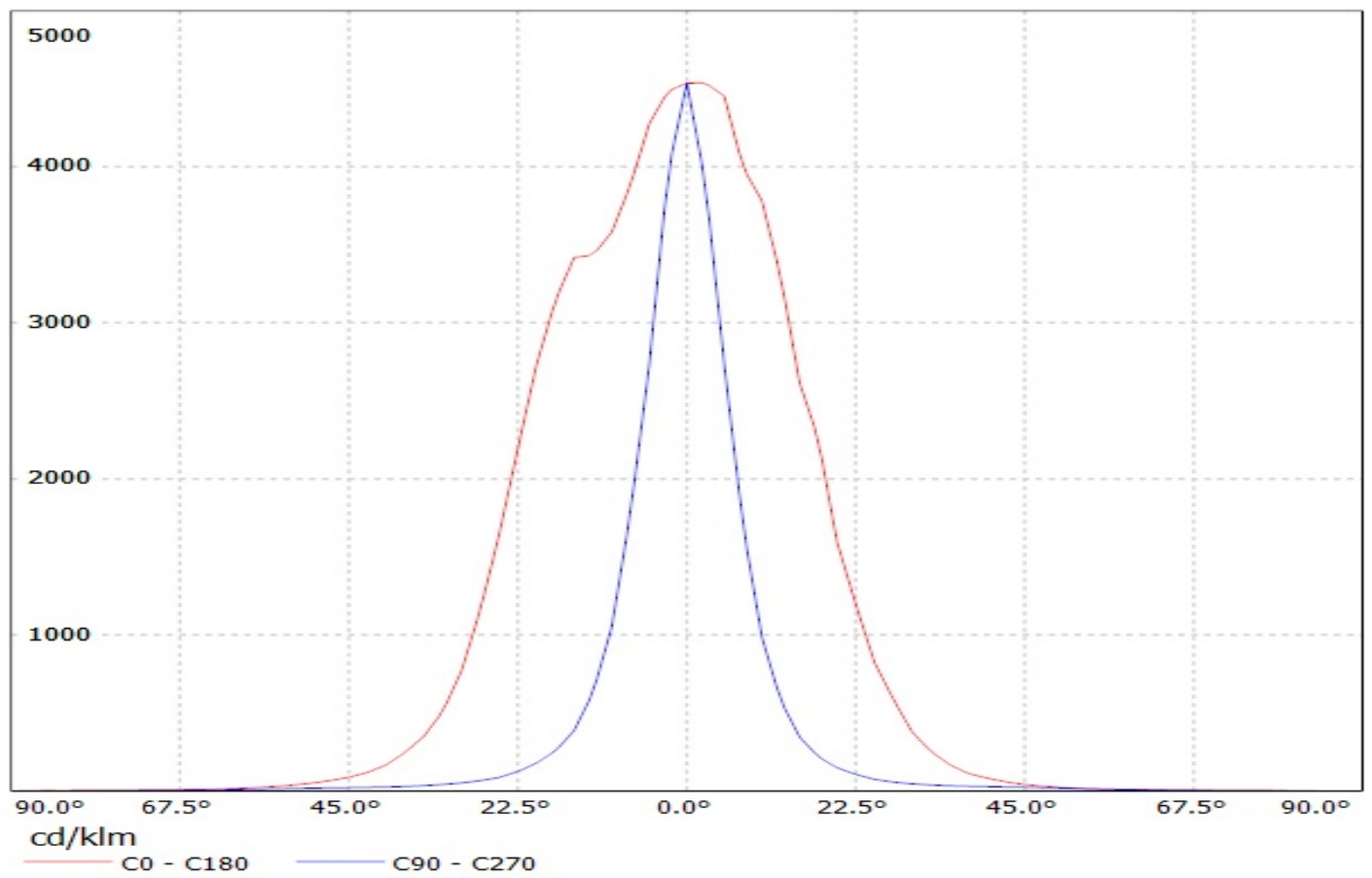
<b>Product Number</b>	CP12405_LN3-O-90
<b>Family</b>	Leila
<b>Type</b>	Assembly
<b>Color</b>	white
<b>Diameter</b>	21,6 mm
<b>Height</b>	14,3 mm
<b>Style</b>	round
<b>Optic Material</b>	PMMA
<b>Holder Material</b>	
<b>Fastening</b>	glue
<b>Status</b>	production ready
<b>ROHS Compliant</b>	Yes
<b>Date Updated</b>	12/07/2013



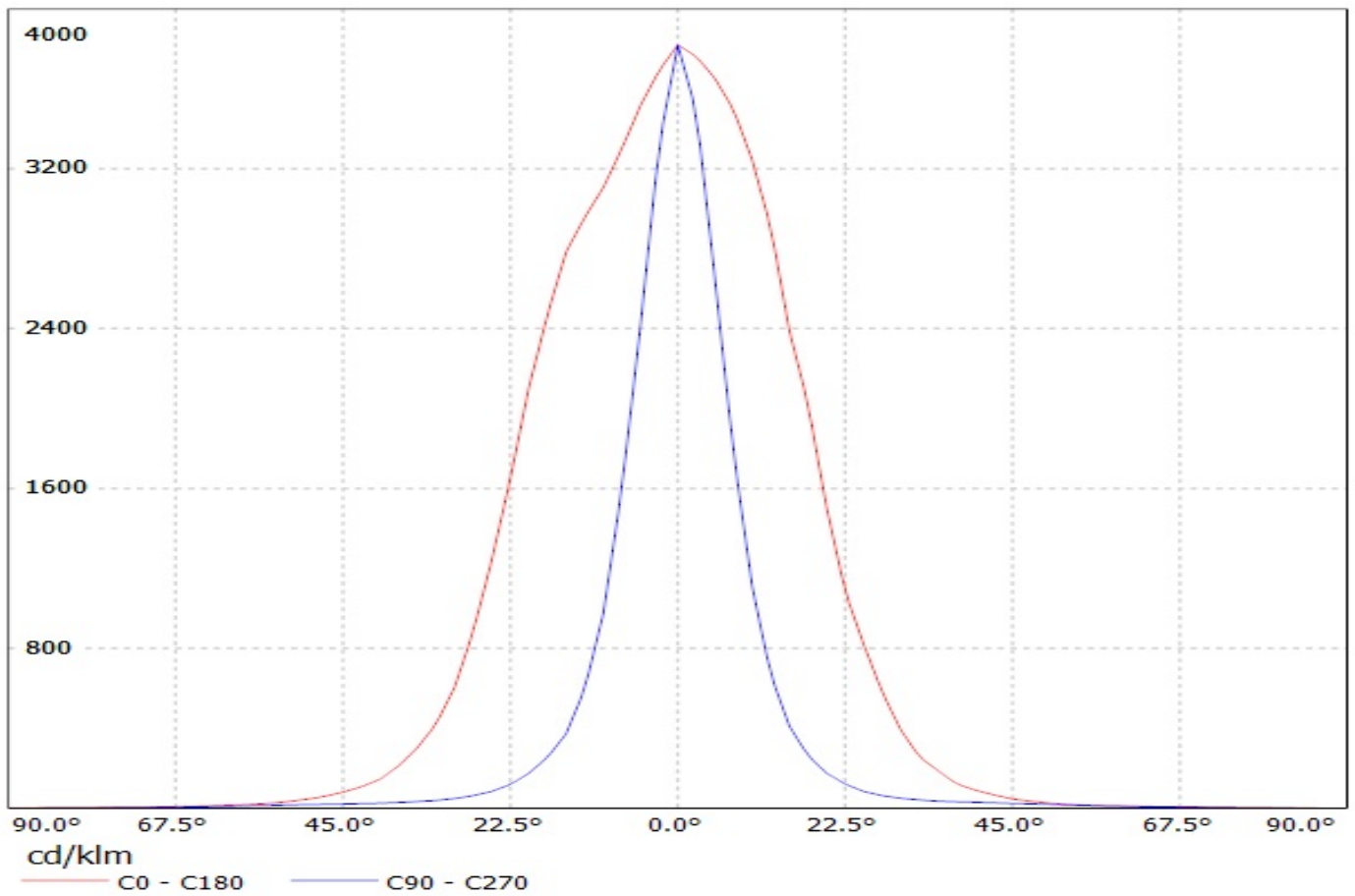
## OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
NCSxx19A	35+12 deg	O-90	-	4.500	-
NVSxx19A	36+14 deg	O-90	-	3.800	-
NVSxx19B/NVSxx19C	40+14 deg	O-90	91 %	3.900	-
NCSxx19B	40+11 deg	O-90	90 %	5.300	-

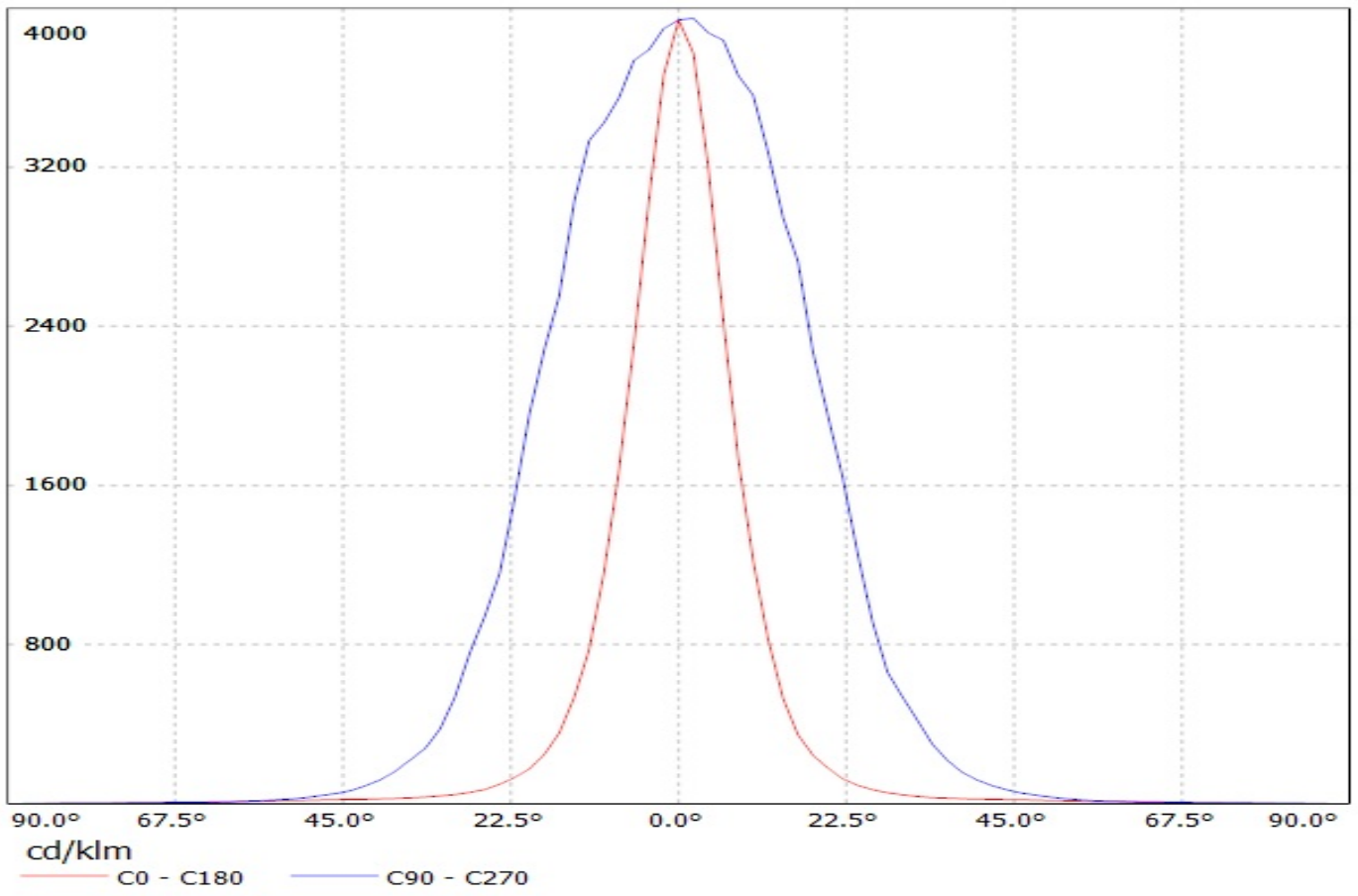
Luminaire: Ledil OY CP12405\_LN3-O-90 (Nichia NCS19 95lm @ 250mA) Efficiency=87%  
Lamps: 1 x Nichia NCS19 95lm @ 250mA



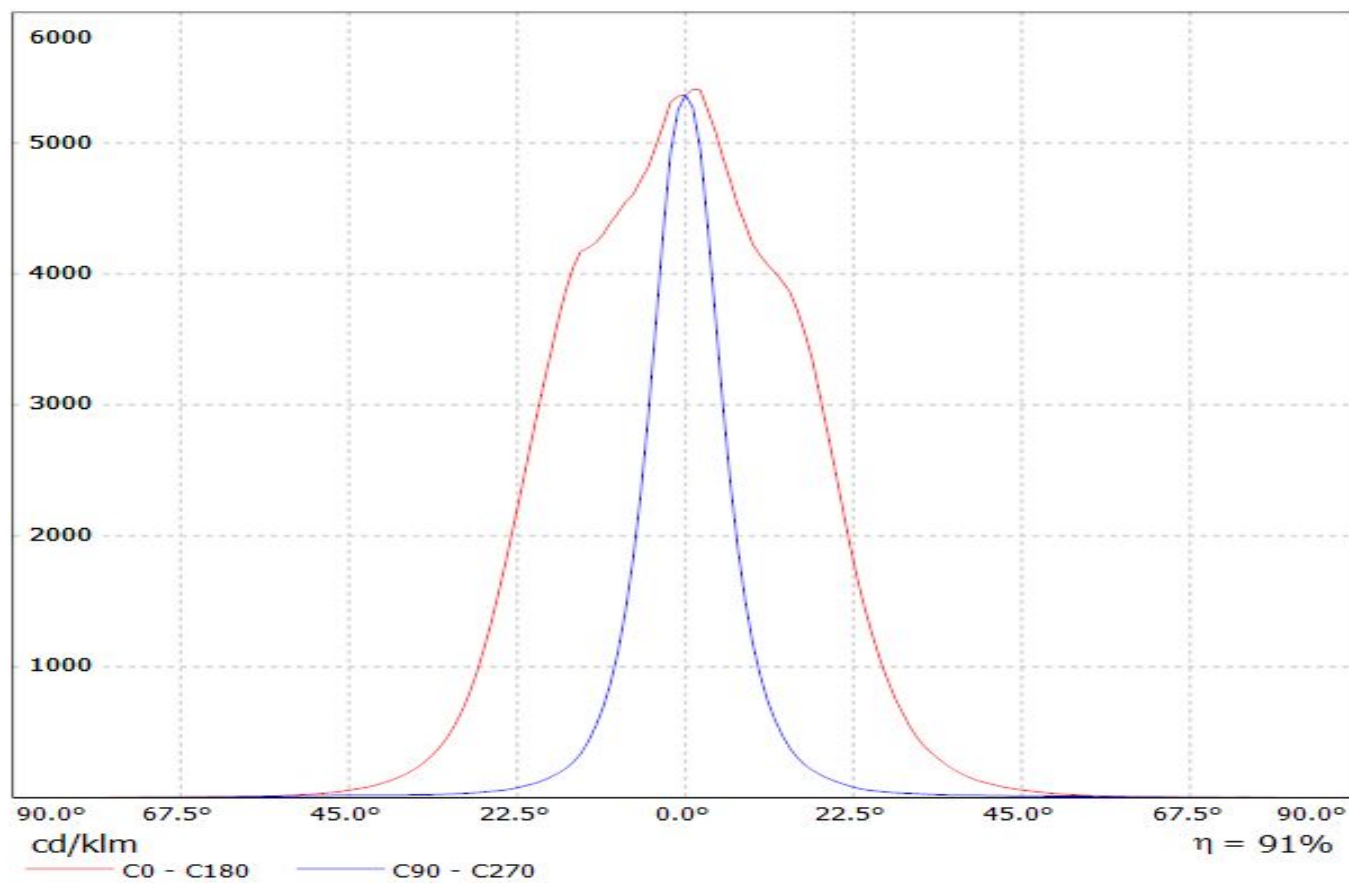
Luminaire: Ledil Oy CP12405\_LN3-O-90 (Nichia NVS19 98lm @ 250mA) Efficiency=86%  
Lamps: 1 x Nichia NVS19 98lm @ 250mA



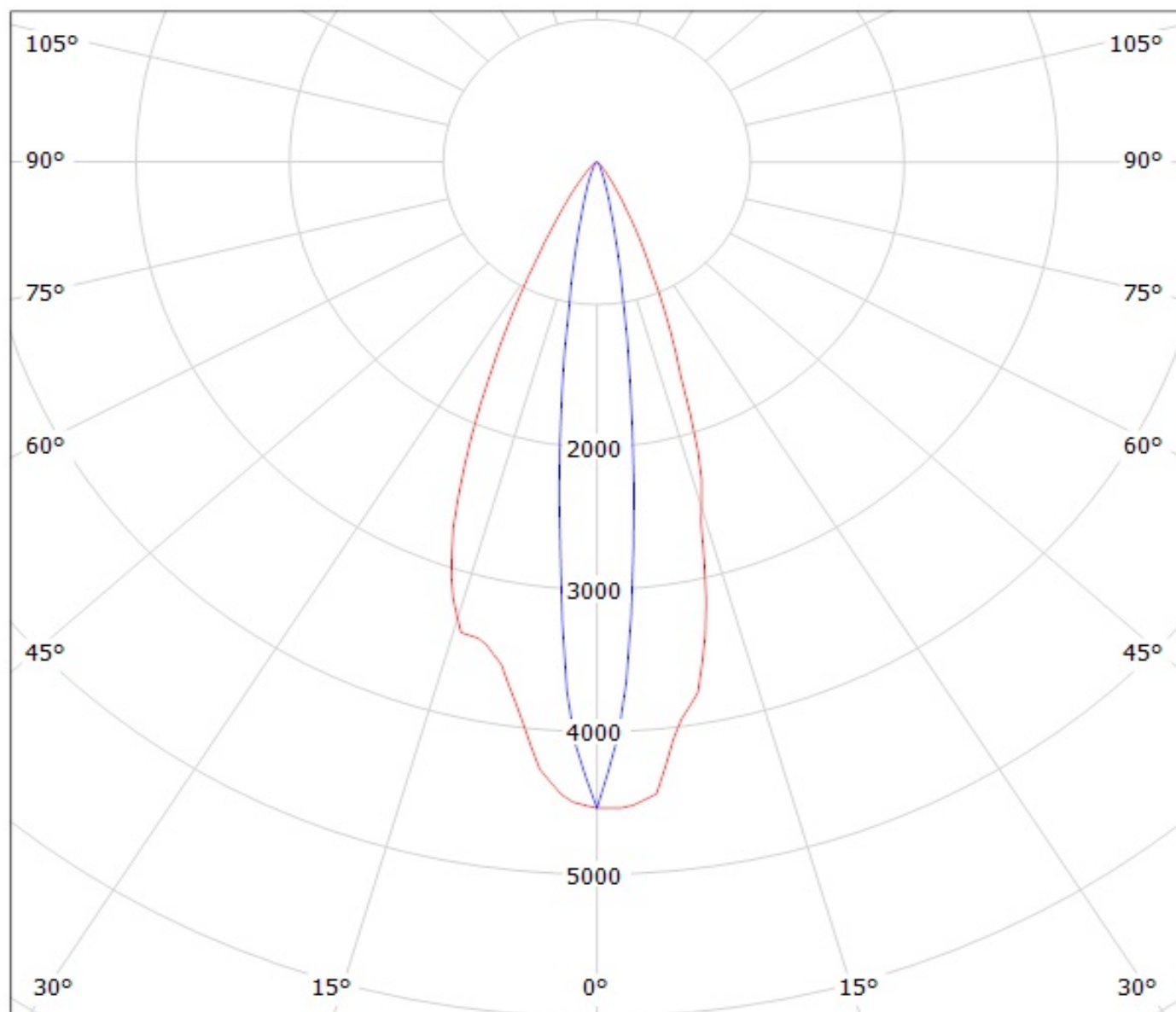
Luminaire: Ledil Oy CP12405\_LN3-O-90-219B (Nichia 219B 109lm @ 250mA) Efficiency=91%  
Lamps: 1 x Nichia 219B 109lm @ 250mA



Luminaire: Ledil Oy CP12405\_LN3-O-90\_(NCSxx19B) Eff. 90%  
Lamps: 1 x Nichia NCSxx19B (NCSL119BE) 88lm @ 250mA CCT=3000K P=0.8W I=250mA



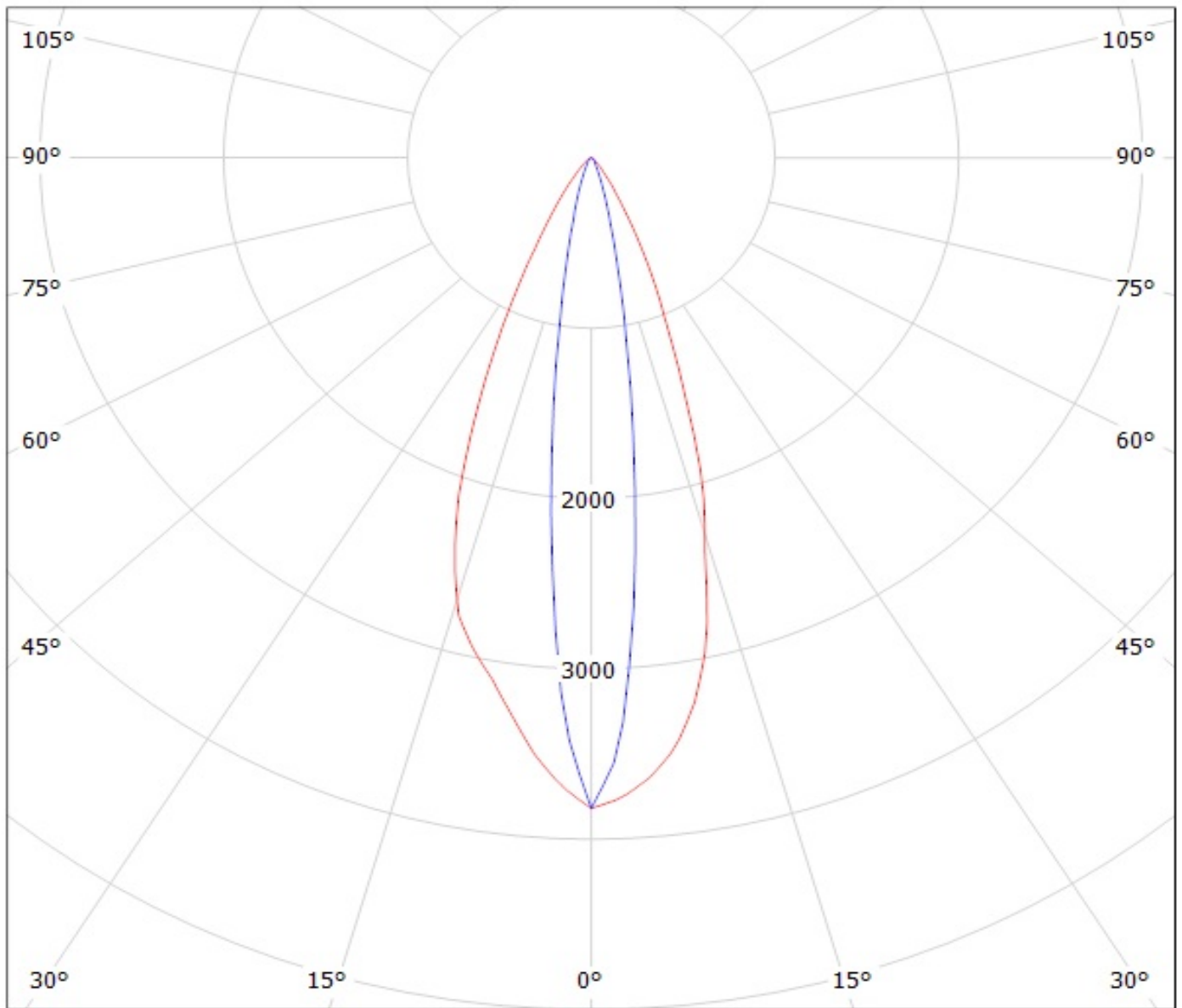
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Lamps: 1 x Nichia NCS19 95lm @ 250mA



cd/klm

— C0 - C180    — C90 - C270

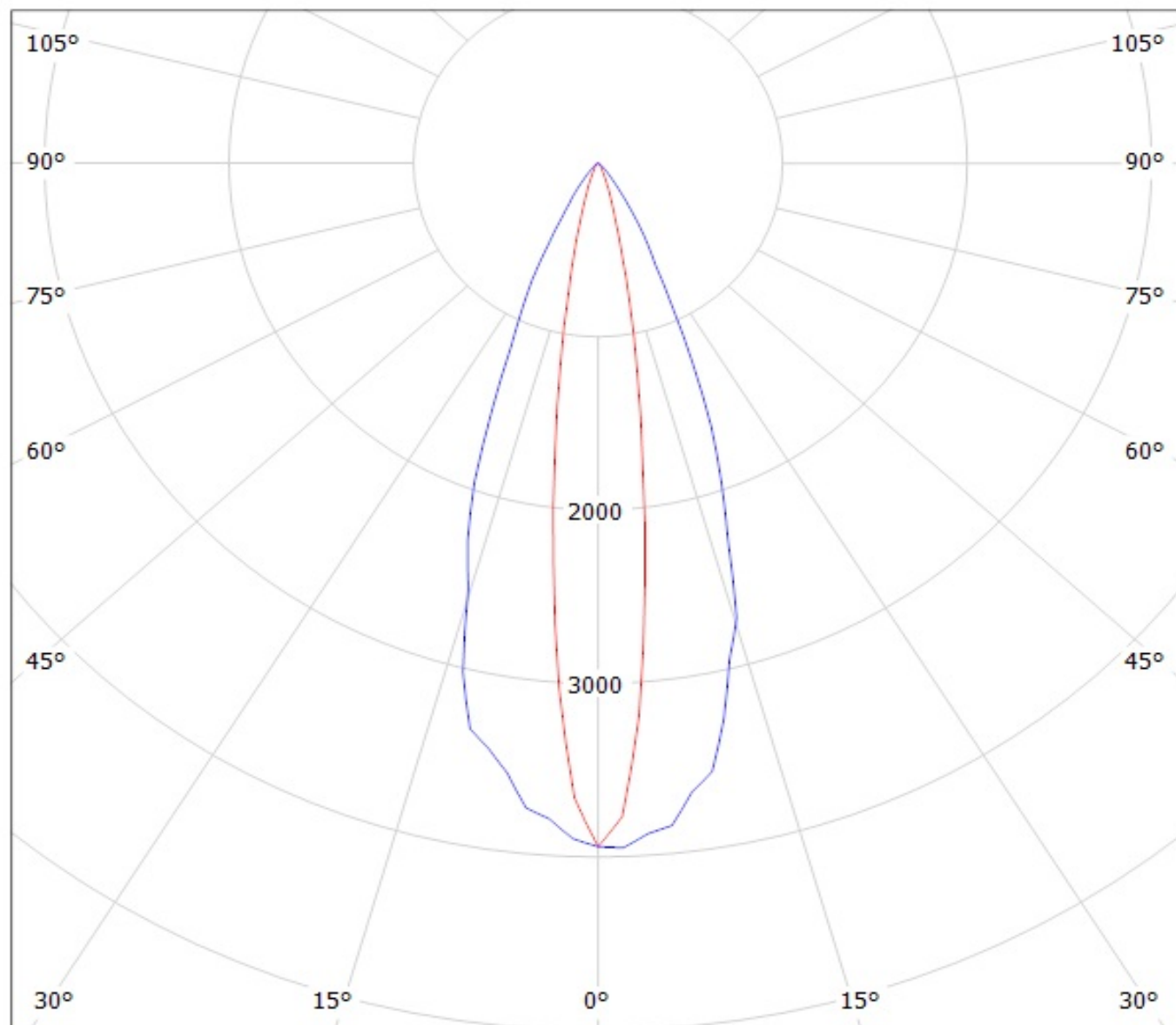
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Lamps: 1 x Nichia NVS19 98lm @ 250mA



cd/klm

— C0 - C180    — C90 - C270

Luminaire: Ledil Oy CP12405\_LN3-O-90-219B (Nichia 219B 109lm @ 250mA) Efficiency=91%  
Lamps: 1 x Nichia 219B 109lm @ 250mA



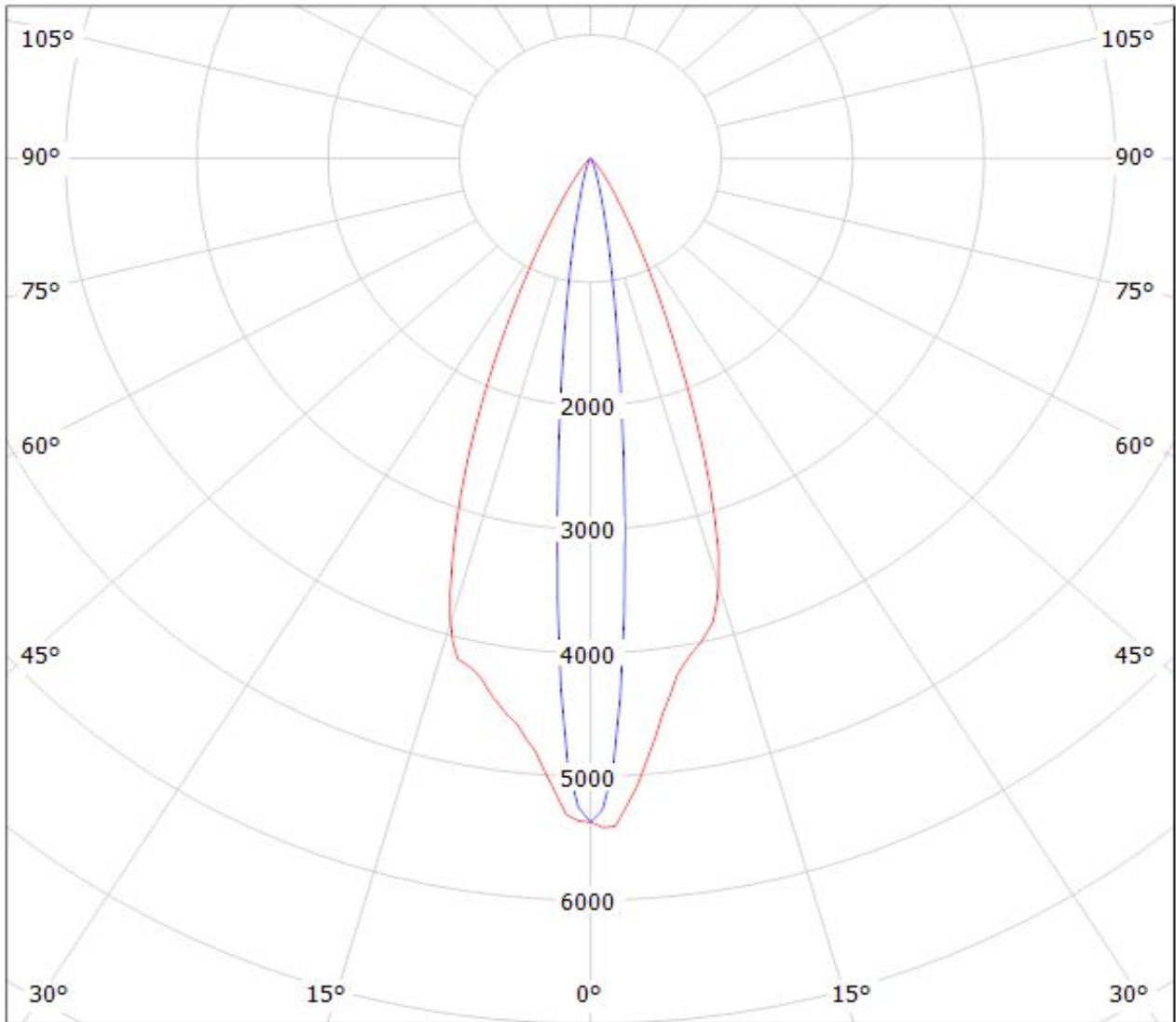
cd/klm

— C0 - C180

— C90 - C270



Luminaire: Ledil Oy CP12405\_LN3-O-90\_(NCSxx19B) Eff. 90%  
Lamps: 1 x Nichia NCSxx19B (NCSL119BE) 88lm @ 250mA CCT=3000K P=0.8W I=250mA



cd/klm

— C0 - C180    — C90 - C270

$\eta = 91\%$

**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.**