PRODUCT DATASHEET
Iris series
last update 3/3/2017

## DETAILS

Product Number	FCA12104_IRIS
Family	Iris
Type	Assembly
Color	black
Diameter	38 mm
Height	27,7 mm
Style	round
Optic Material	PMMA
Holder Material	
Fastening	tape, pin, screw
Status	production ready
ROHS Comliant	Yes
Date Updated	3/03/2017

OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Effi-ciency	cd/lm	Connector
XM-L	9 deg	RS2-class	91 %	19.200	-
XM-L2	10 deg	RS2-class	86 %	18.100	-
NV4x144A	13 deg	RS2-class	89 %	9.300	-
NVSW3x9A	7 deg	RS2-class	85 %	25.500	-

Luminaire: Ledil Oy C4F12104_Iris-XM-tape C4F12104_Iris-XM-tape
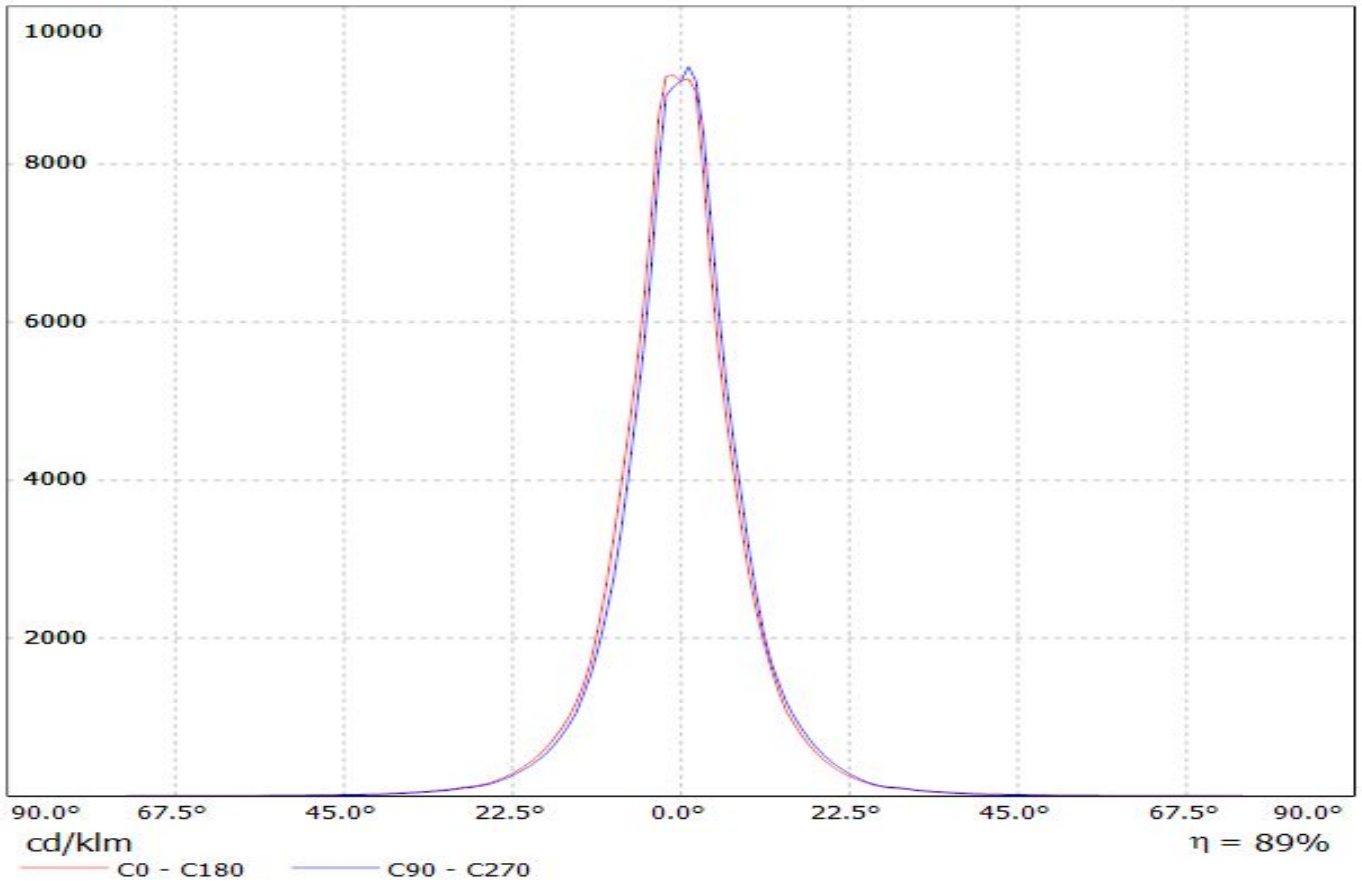Lamps: 1 x Cree XM-L white
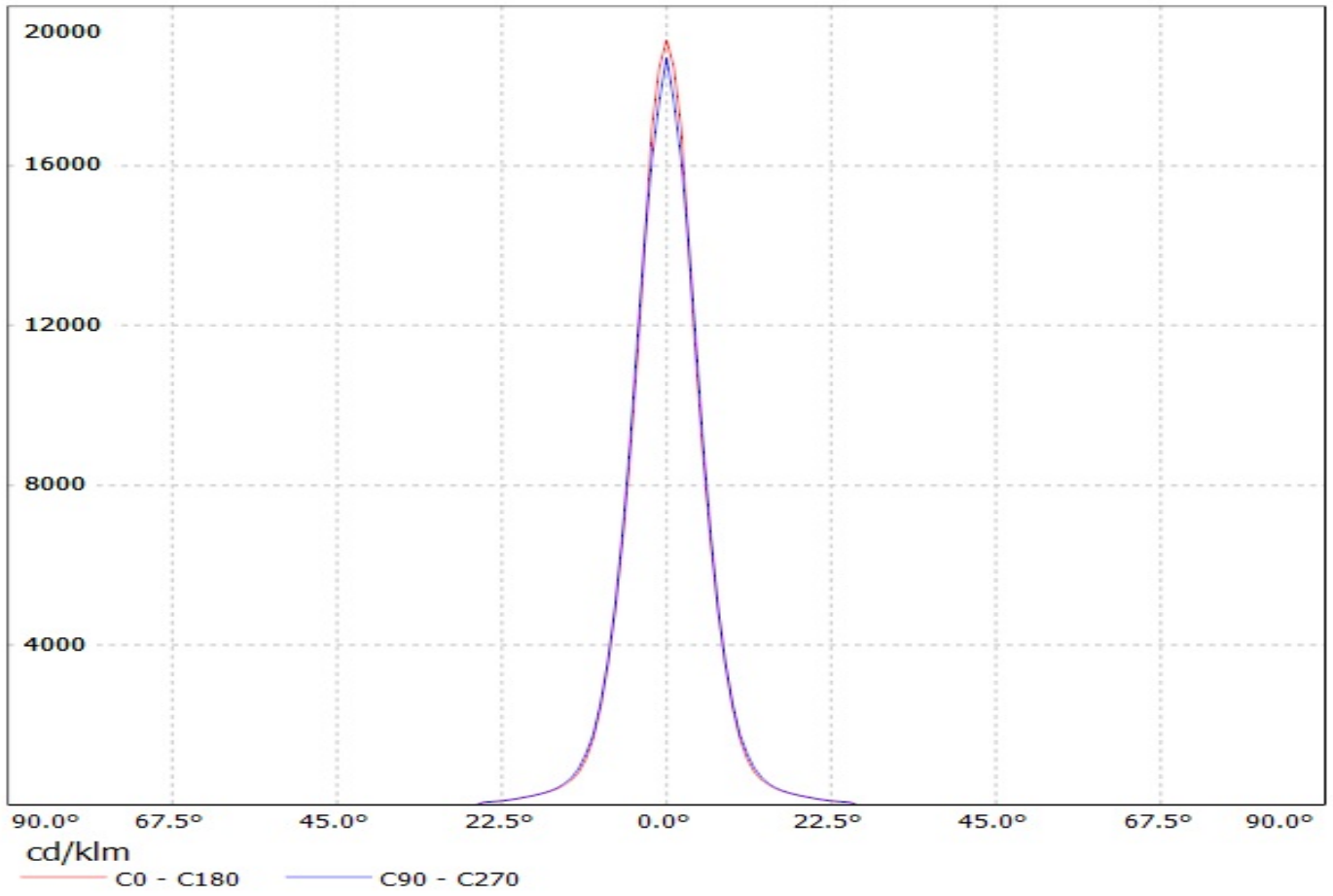
cd/klm

C0 - C180   C90 - C270

Luminaire: LEDil Oy FCA12104_IRIS_(XM-L2) Efficiency=86%
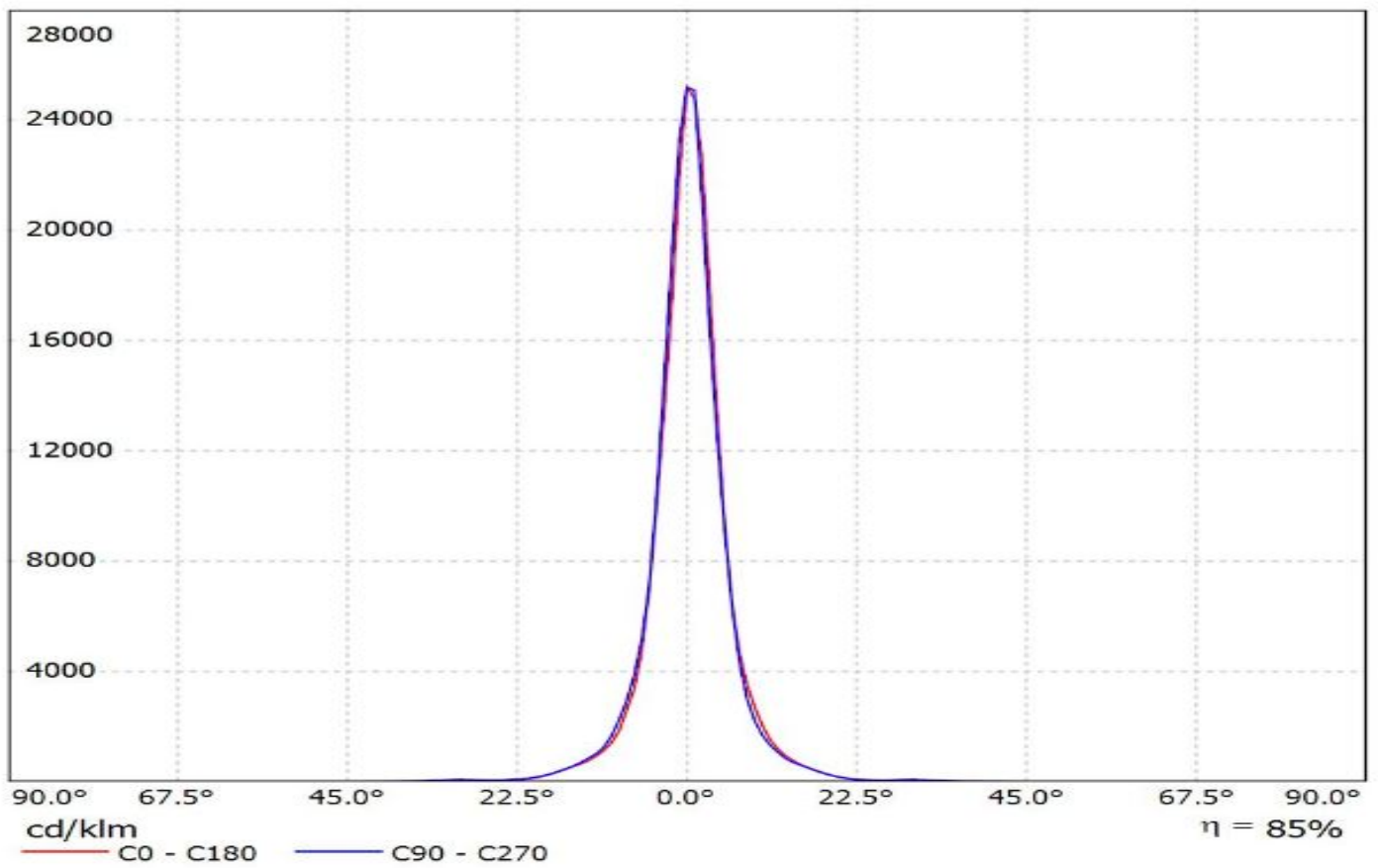Lamps: 1 x Cree XM-L2 (XMLBWT-0-7B4-T30-0L-0001) 91lm @ 250mA CCT=3200K P=0.7W I=250mA

cd/klm

——— C0 - C180   ——— C90 - C270

Luminaire: LEDiL Oy FCA12104_IRIS_(NV4x144A)
Lamps: 1 x Nichia_NV4x144A_477.901lm@250mA_P=2.8042W_I=0.250A
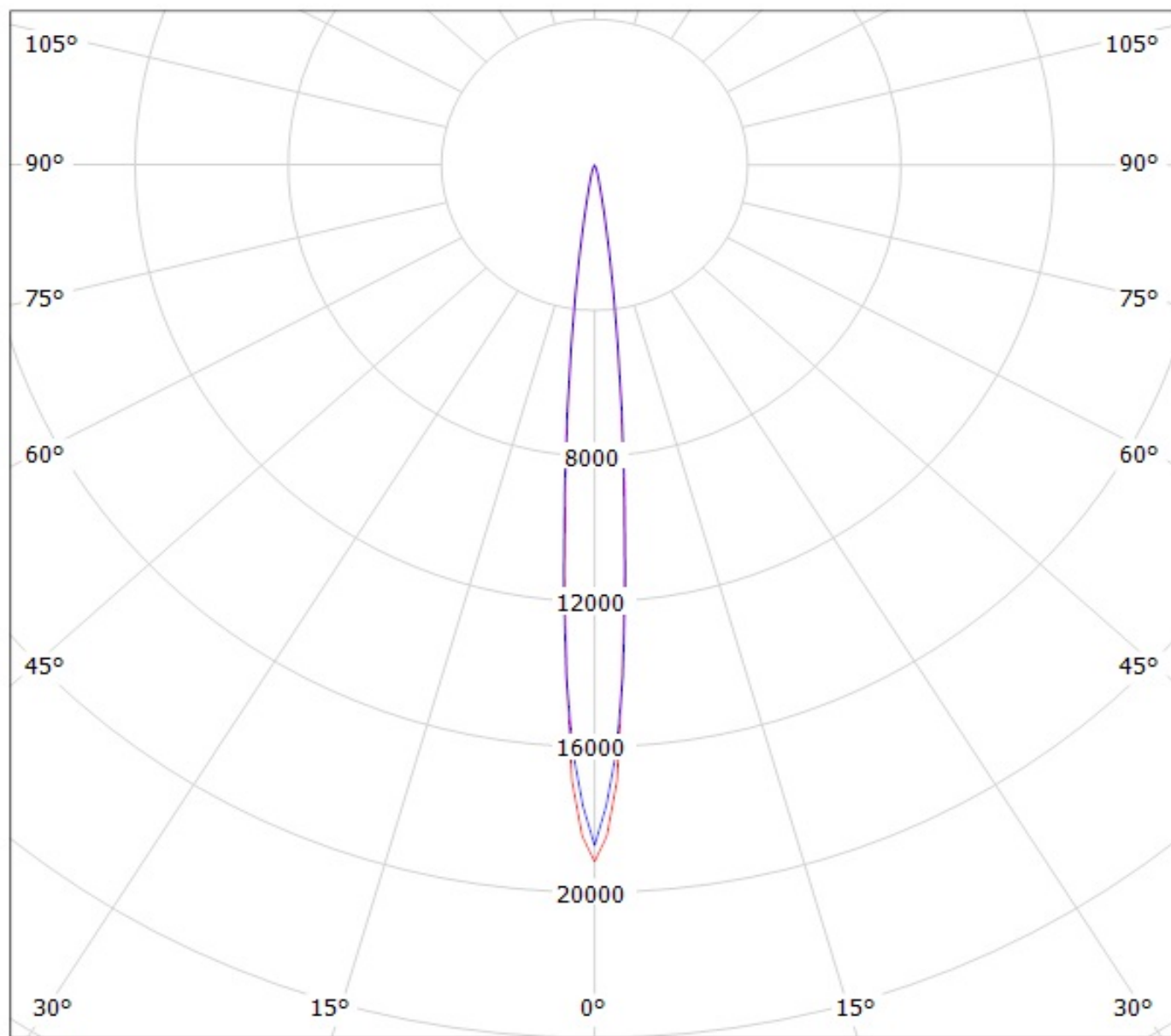
cd/klm

η = 89%

C0 - C180   C90 - C270

Luminaire: Ledil FCA12104_IRIS_(NVSW319AE)
Lamps: 1 x Nichia_NVSW319AE_126.239lm@250mA_P=0.729675W_I=0.25A

Luminaire: Ledil Oy C4F12104_Iris-XM-tape C4F12104_Iris-XM-tape
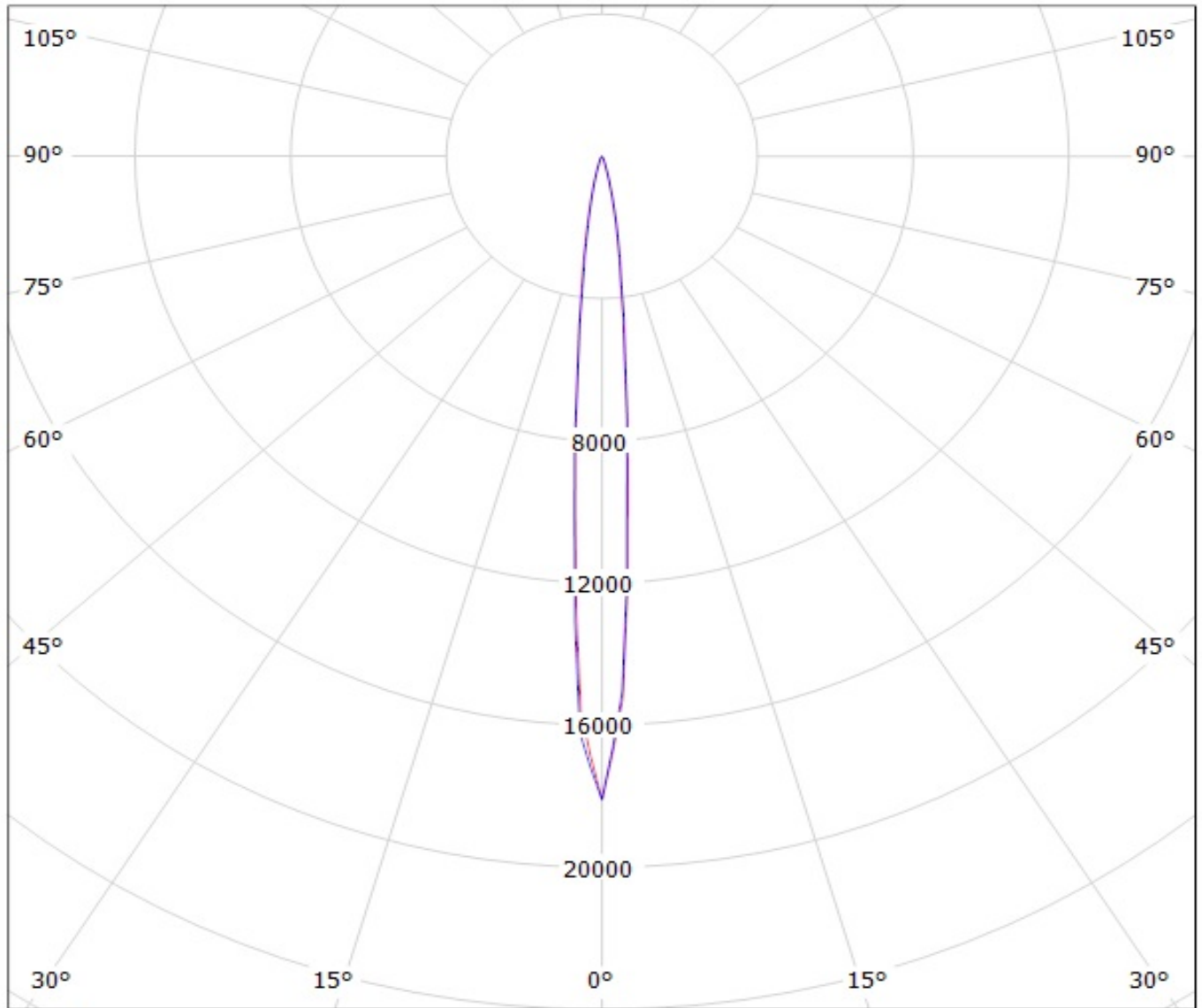Lamps: 1 x Cree XM-L white

cd/klm

| | C0 - C180 | | C90 - C270 |

Luminaire: LEDil Oy FCA12104_IRIS_(XM-L2) Efficiency=86%
Lamps: 1 x Cree XM-L2 (XMLBWT-0-7B4-T30-0L-0001) 91lm @ 250mA CCT=3200K P=0.7W I=250mA
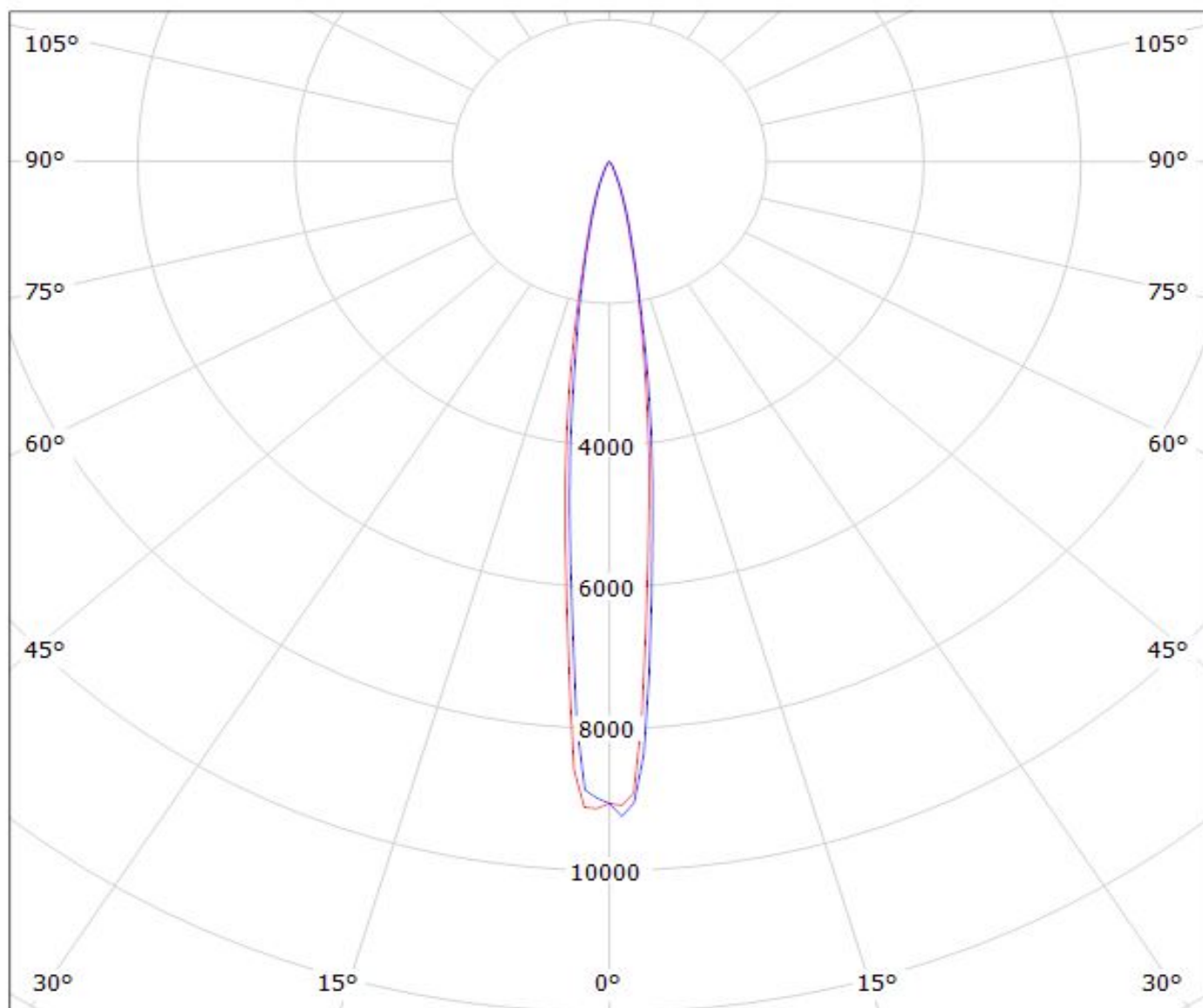

cd/klm

— C0 - C180   — C90 - C270

Luminaire: LEDiL Oy FCA12104_IRIS_(NV4x144A)
Lamps: 1 x Nichia_NV4x144A_477.901lm@250mA_P=2.8042W_I=0.250A
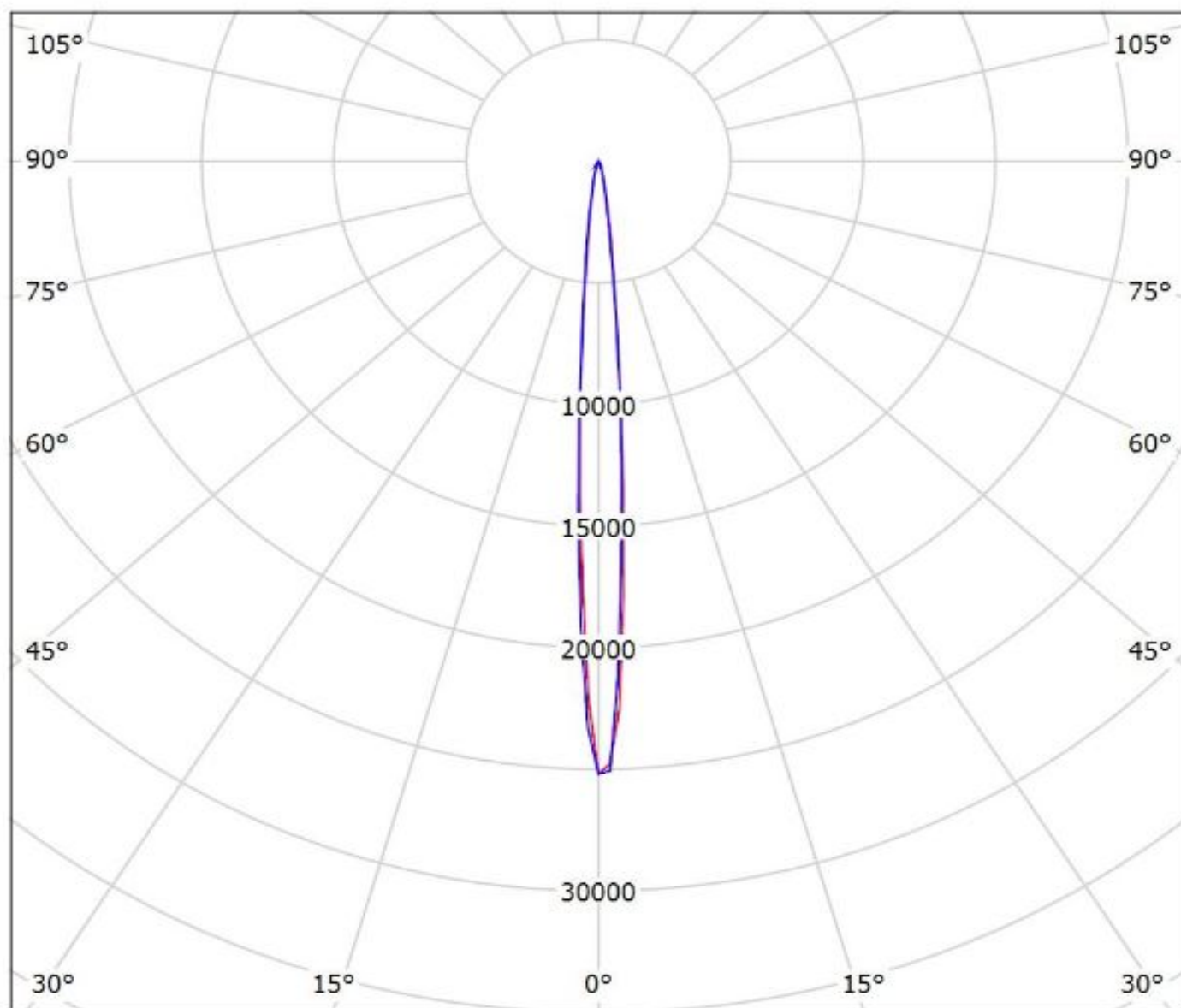

cd/klm

η = 89%

—— C0 - C180   —— C90 - C270

Luminaire: Ledil FCA12104_IRIS_(NVSW319AE)
Lamps: 1 x Nichia_NVSW319AE_126.239lm@250mA_P=0.729675W_I=0.25A

cd/klm

η = 85%

— 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.