

DETAILS

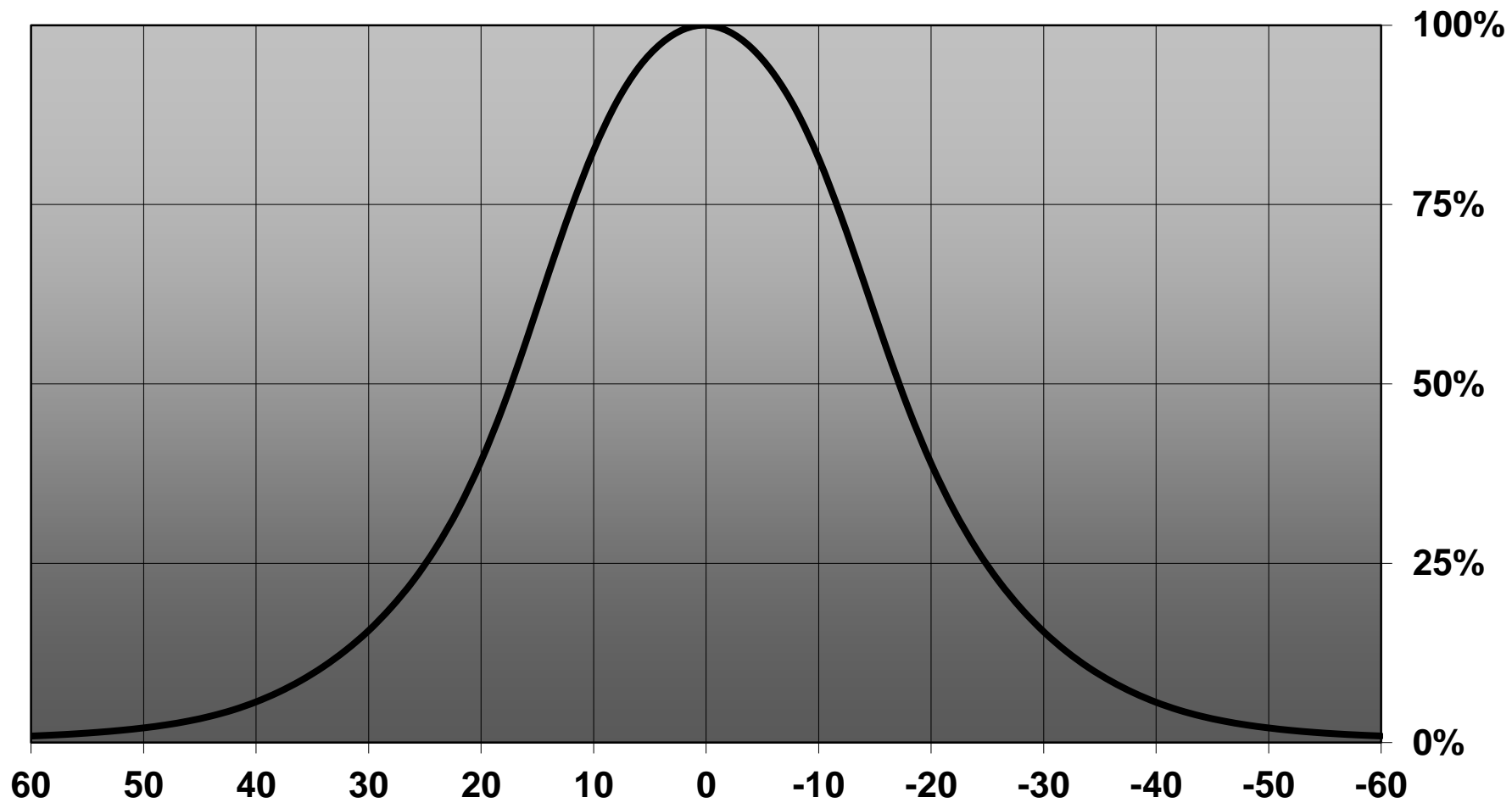
Product Number	C12500_MIRA-M
Family	Mira
Type	Lens
Color	clear
Diameter	32,4 mm
Height	14,7 mm
Style	round
Optic Material	PC
Holder Material	
Fastening	
Status	production ready
ROHS Compliant	Yes
Date Updated	6/08/2015



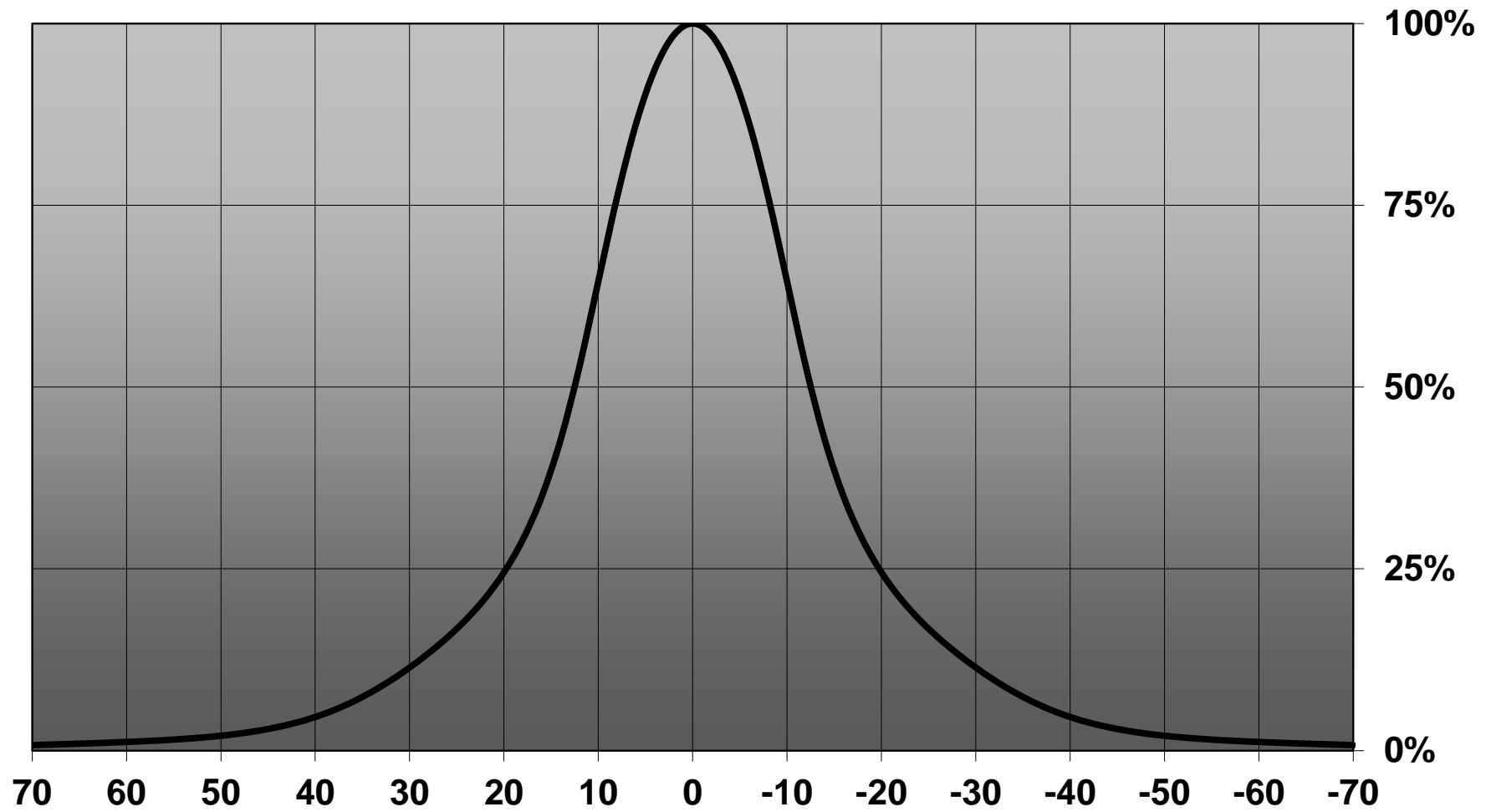
OPTICAL PROPERTIES

LED	Viewing	Light	Efficiency		Connector
	Angle	Beam	cd/lm		
BXRA ES Star	30 deg	Medium	82 %	-	-
V10 Gen6	35 deg	Medium	77 %	1.760	-
MT-G	28 deg	Medium	83 %	2.200	-
CXA/B 15xx	31 deg	Medium	85 %	2.000	-
XHP70	27 deg	Medium	83 %	2.200	-
MHD-E/G	28 deg	Medium	85 %	2.100	-
MHD-E/G	sim: 30	Medium	sim: 87 %	sim: 2.500	-
LUXEON M/MX	25 deg	Medium	81 %	-	-
LUXEON K4	sim: 26	Medium	sim: 86 %	sim: 3.200	-
LUXEON MZ	19 deg	Medium	81 %	3.900	-
LUXEON 5258	sim: 16	Medium	sim: 92 %	sim: 7.300	-
NSMx286M	23 deg	Medium	80 %	3.050	-
NSCxL036A	28 deg	Medium	80 %	2.400	-
NFMW48xA	21 deg	Medium	82 %	3.300	-
Solერიq P6	25 deg	Medium	78 %	2.880	-
Solერიq P9	32 deg	Medium	78 %	1.890	-
Duris S10	22 deg	Medium	83 %	3.600	-
Duris P10	sim: 31	Medium	sim: 92 %	sim: 2.360	-

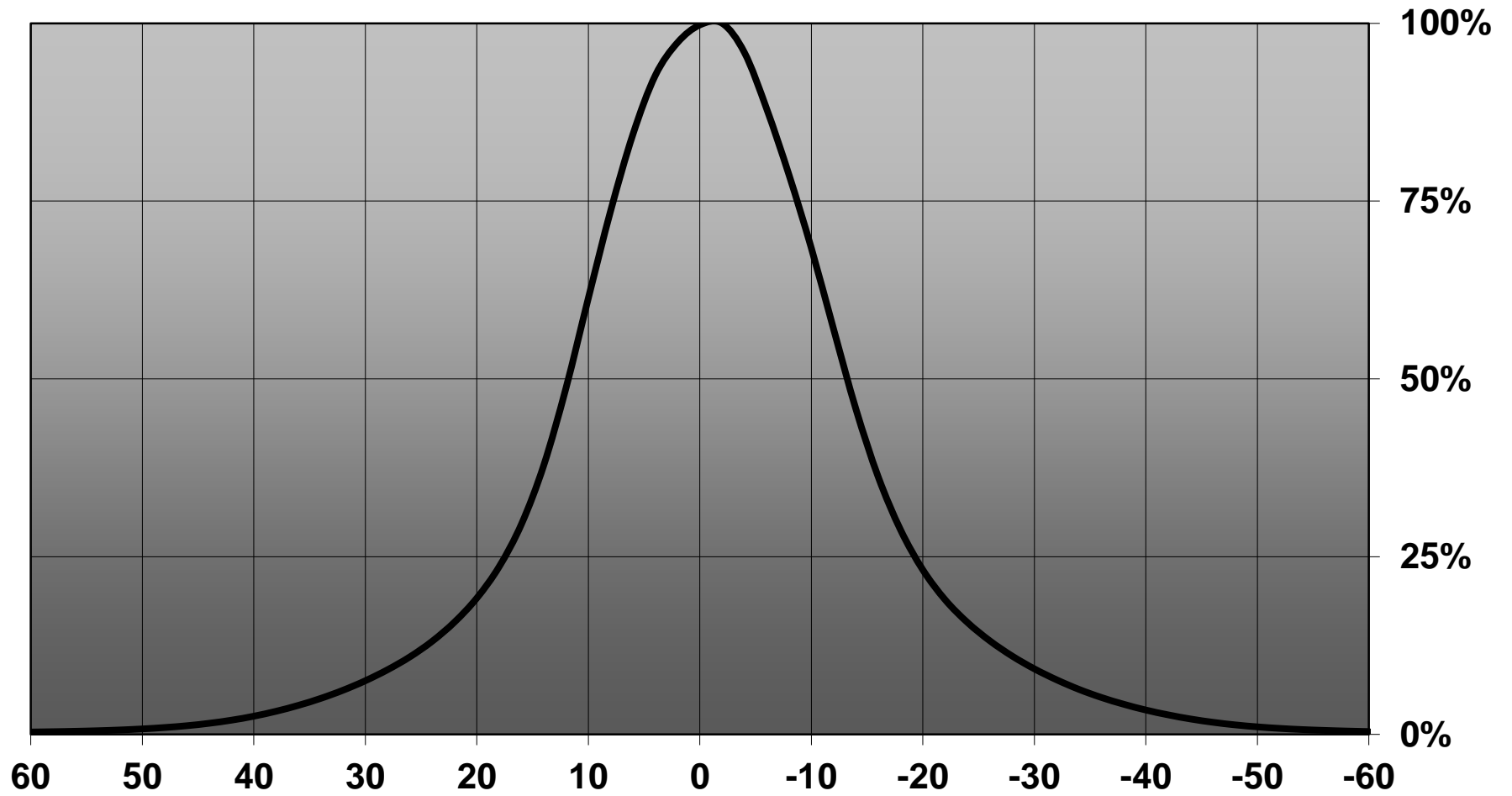
Relative intensity of C12500_MIRA-M_(V10)



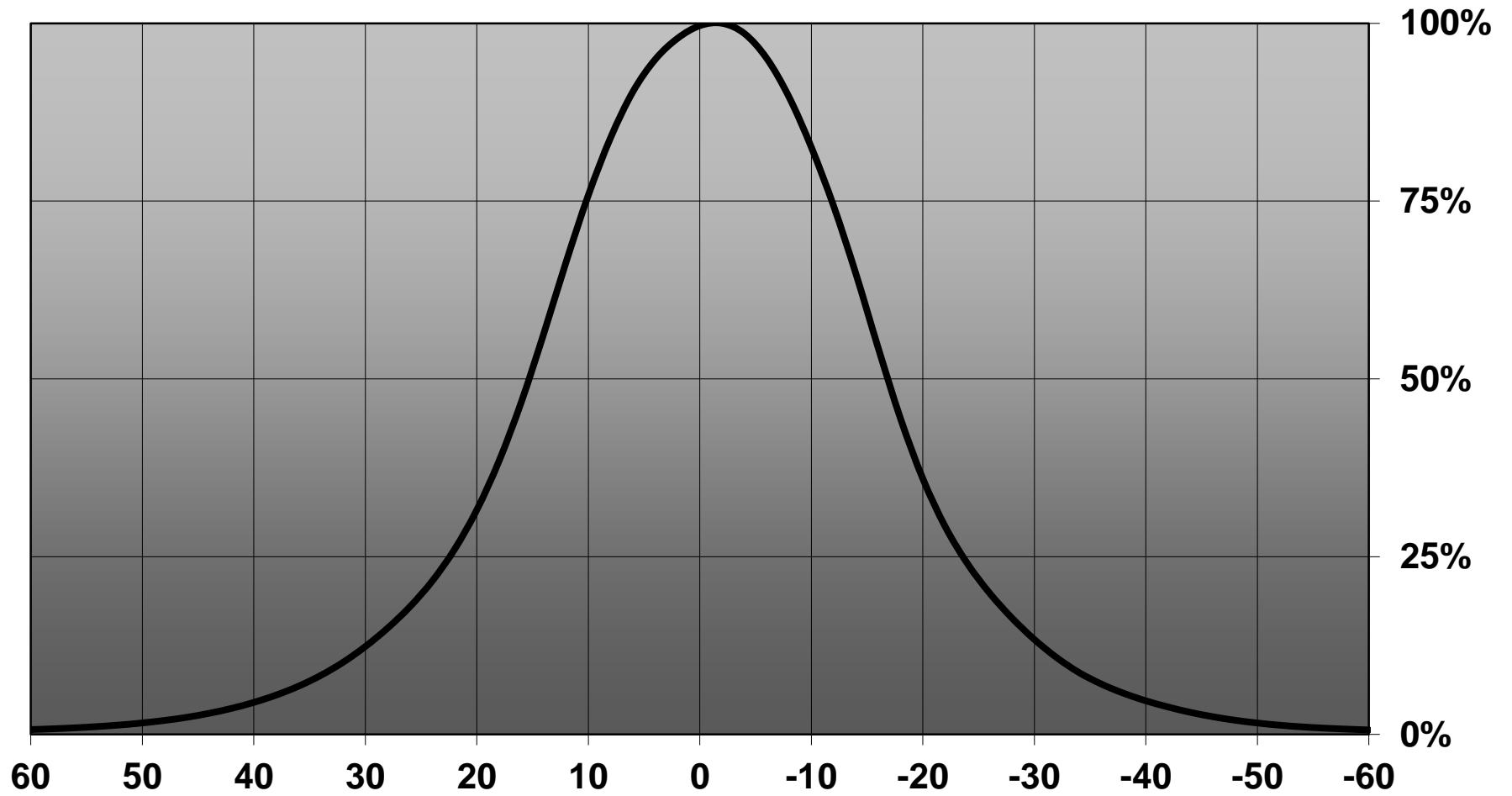
Relative intensity of C12500_MIRA-M_(Luxeon-M)



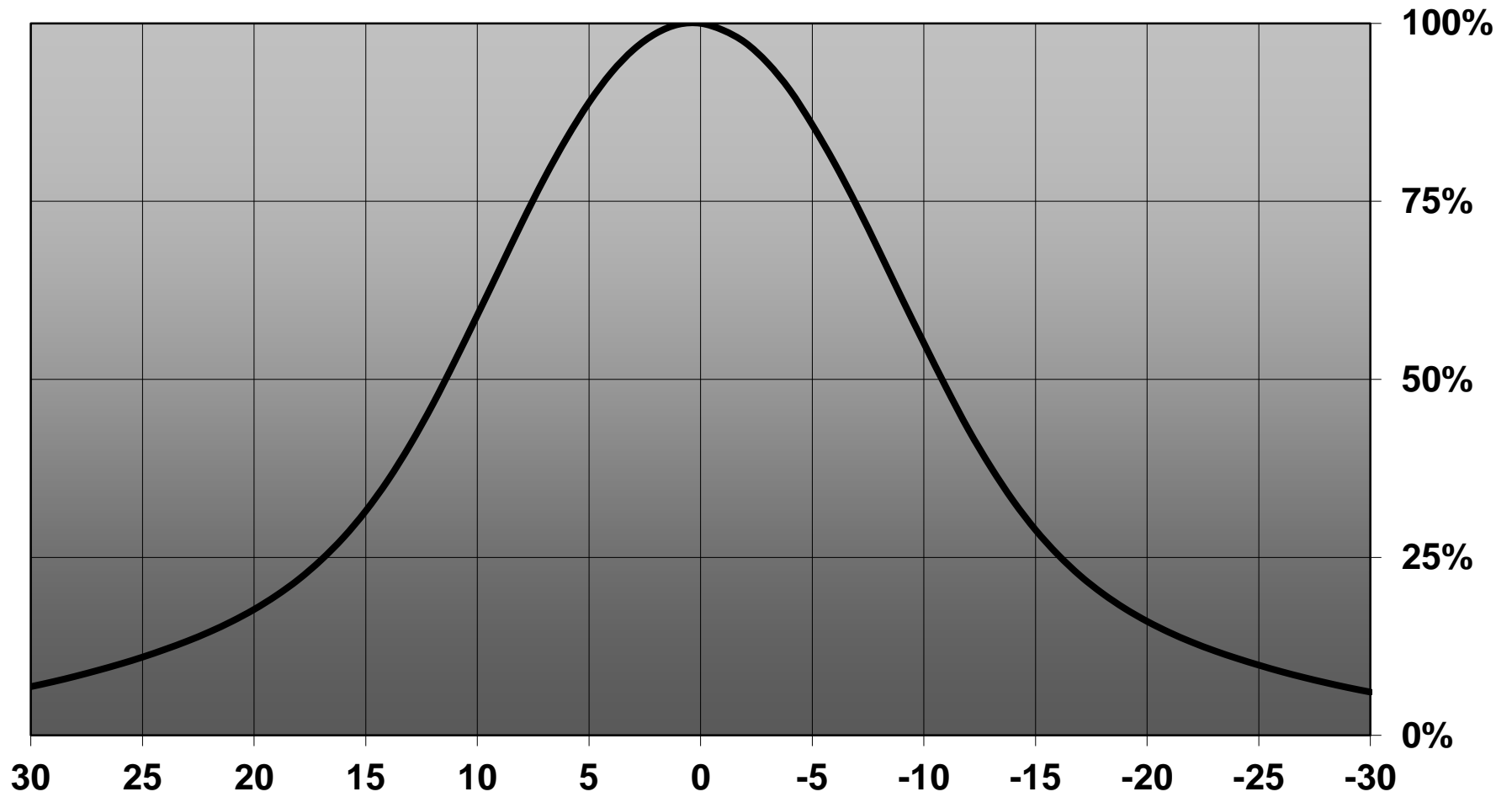
Relative intensity of C12500_MIRA-M_(Soleriq P6)



Relative intensity of C12500_MIRA-M_(Soleriq P9)



Relative intensity of C12500_MIRA-M_(Duris_S10)

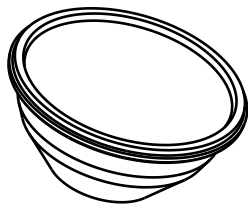


D

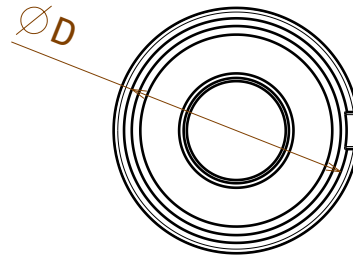
C

B

A

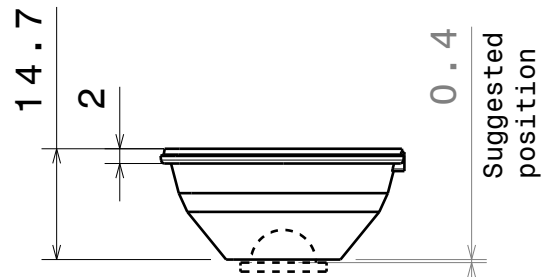


Isometric view

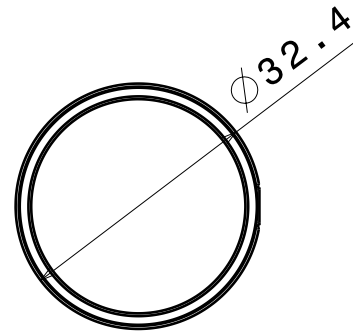


Bottom view

Markings:
 MIRA-M: 2500
 MIRA-W: 2501
 MIRA-WW: 2502



Front view



Top view

Dimension D:

- C12500_MIRA-M 29,7mm
- C12501_MIRA-W 28,4mm
- C12502_MIRA-WW 28,4mm

Material: PC

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Ledil Oy
 Salorankatu 10
 FIN 24240 SALO
 Finland

DRAWING TITLE

Datasheet MIRA lens

DRAWN BY

mav

DATE

02.04.2012

CHECKED BY

sn

DATE

02.04.2012

SIZE

A4

DRAWING NUMBER

-

REV

1

DESIGNED BY

mav

DATE

29.11.2011

SCALE

1:1

WEIGHT (g)

SHEET

1/1

D

A

4

4

3

3

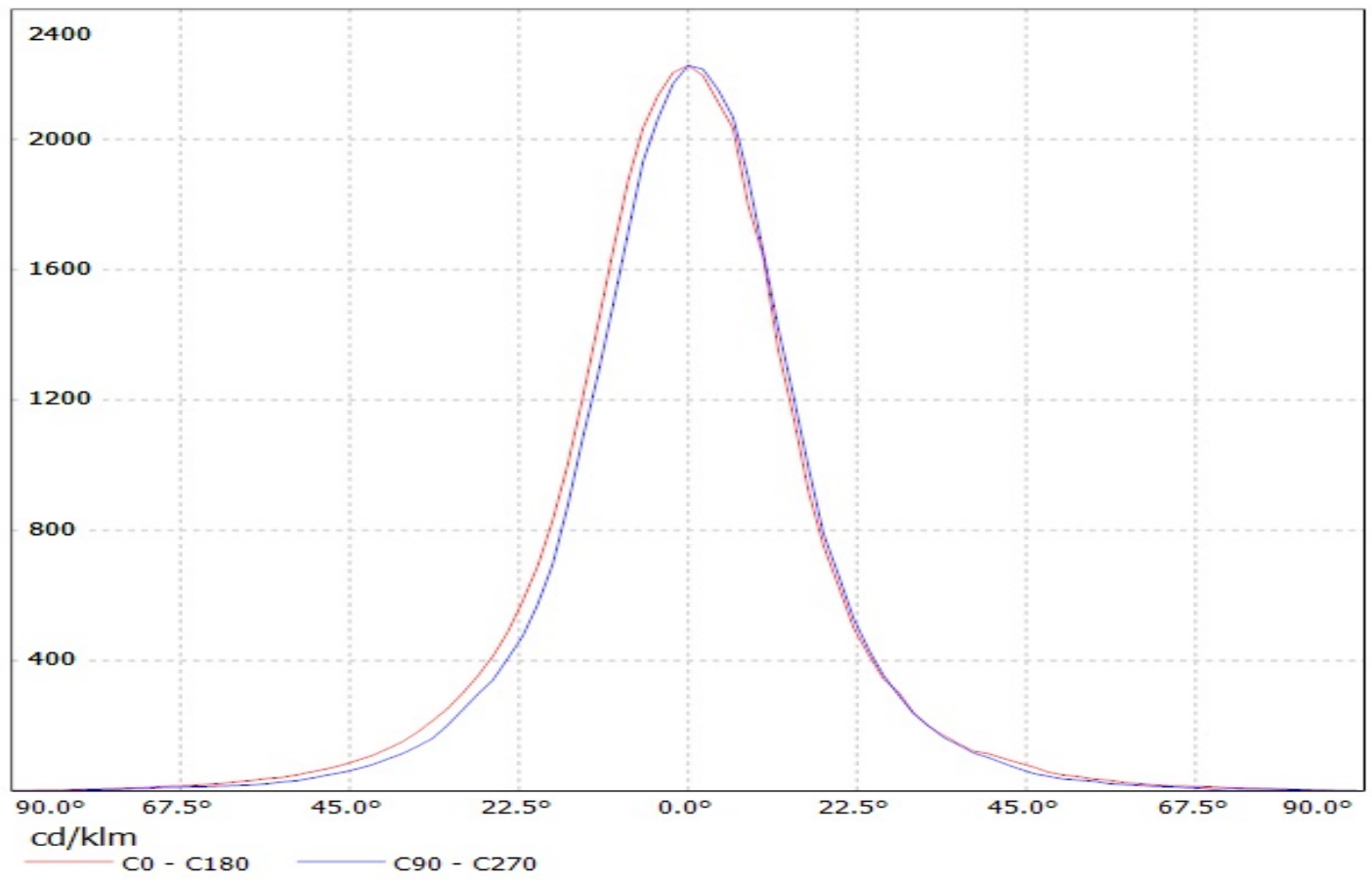
2

2

1

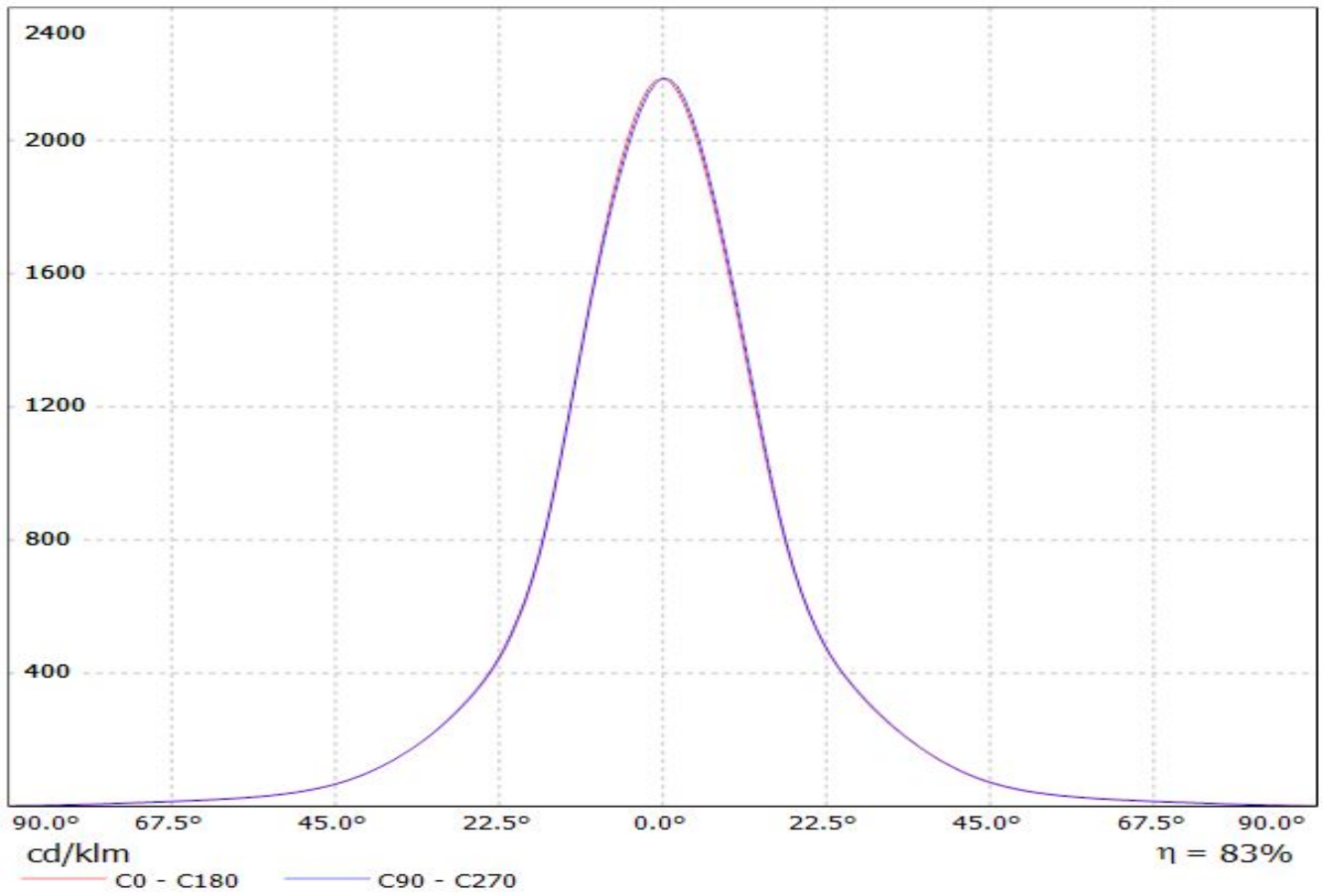
1

Luminaire: Ledil Oy C12500-Mira-M (Cree MT-G 714lm @ 250mA) Efficiency=83%
Lamps: 1 x Cree MT-G 714lm @ 250mA

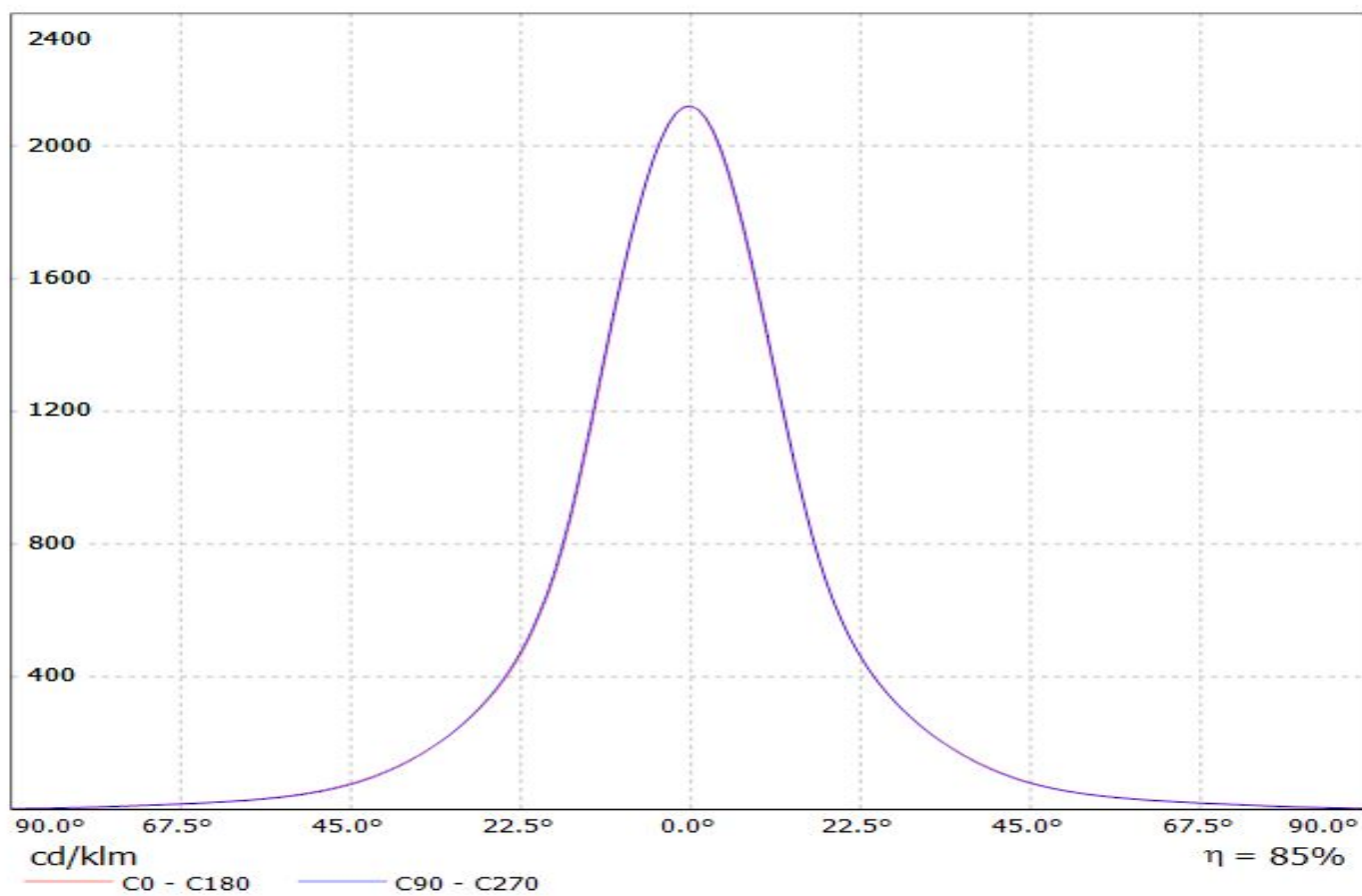


Luminaire: LEDiL Oy C12500_MIRA-M_(XHP70)

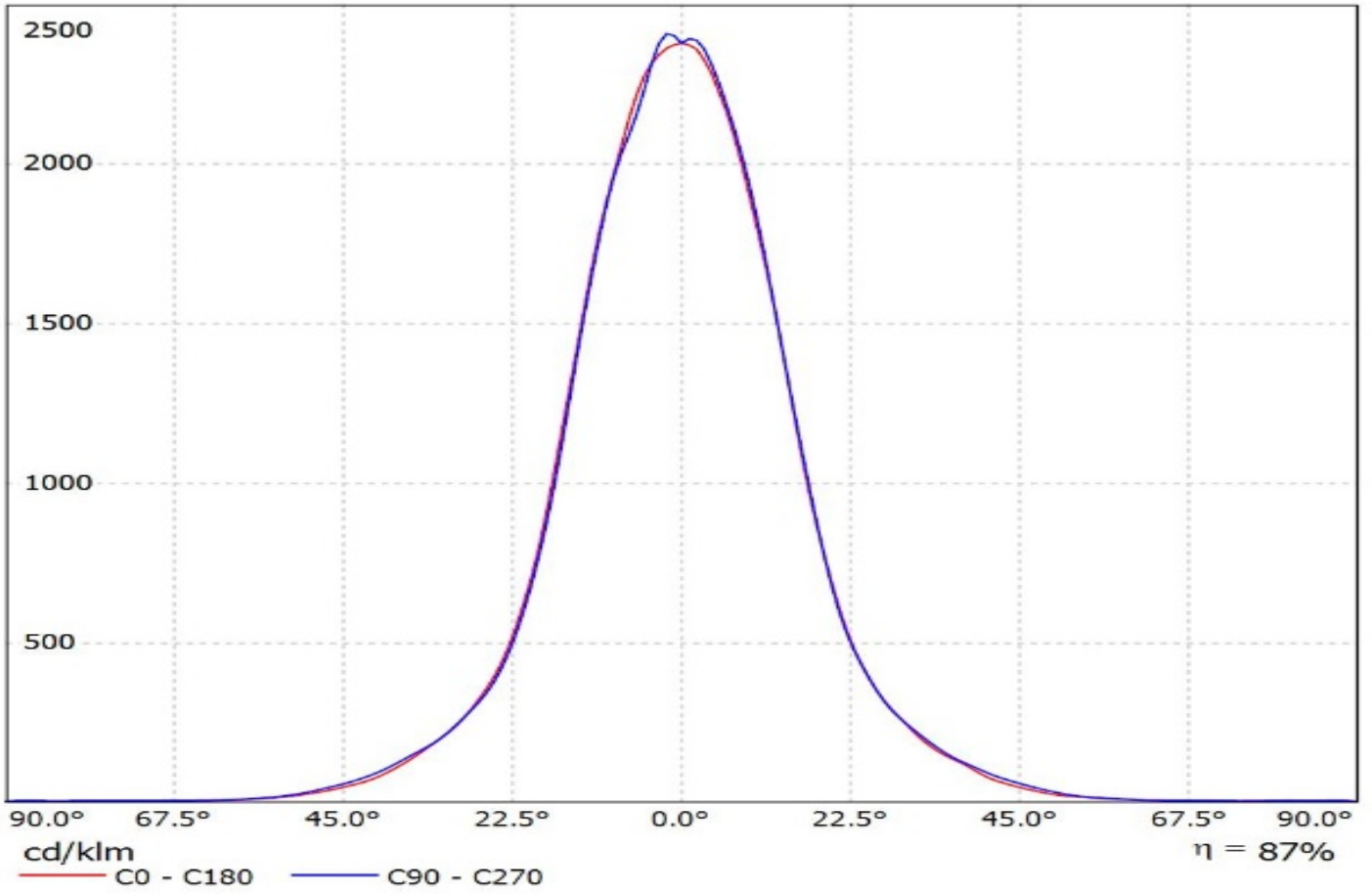
Lamps: 1 x Cree_XHP70_261.415lm@250mA_P=1.38207W_I=249.9mA



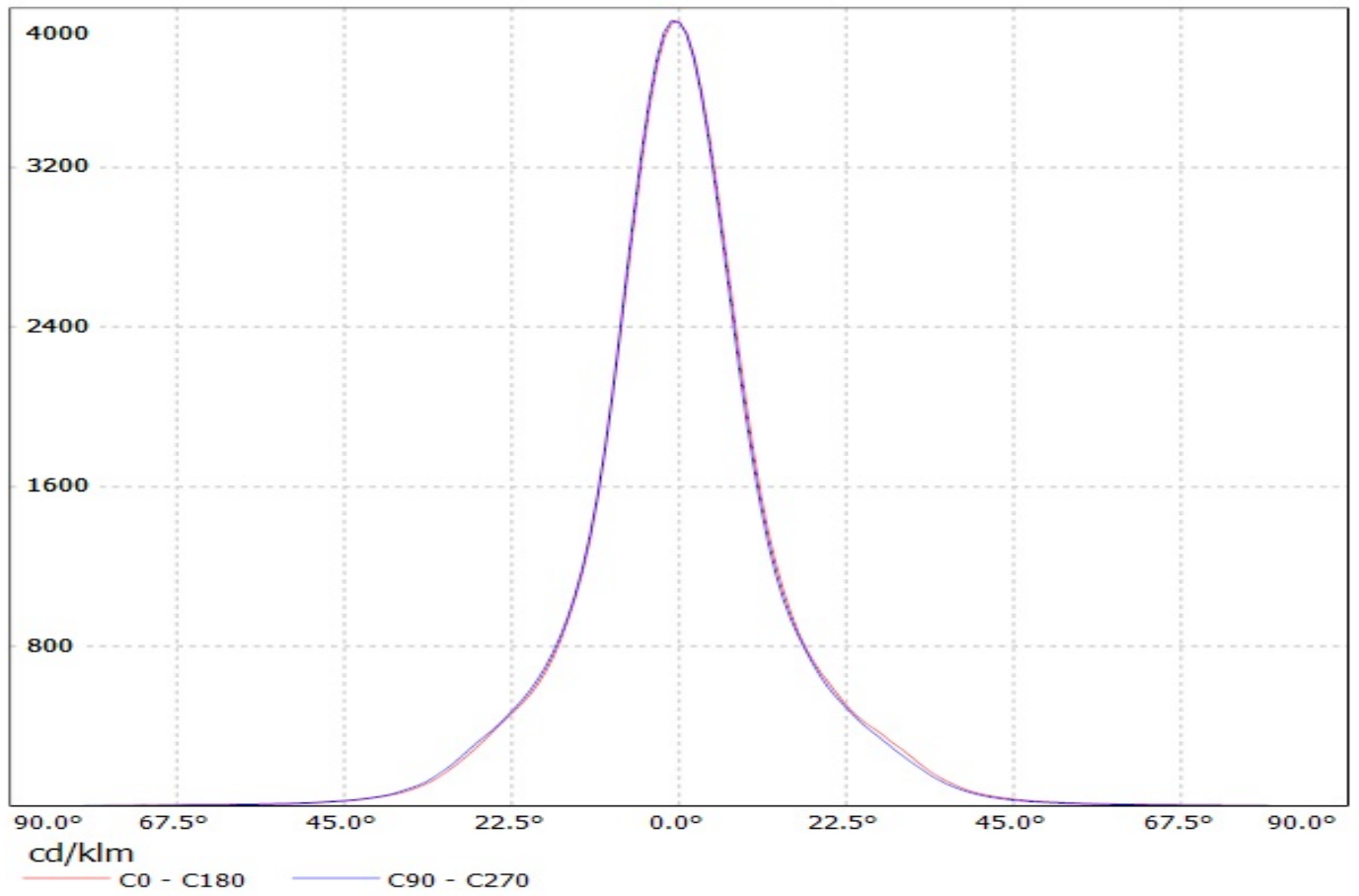
Luminaire: Ledil C12500_MIRA-M_(MHD-G)
Lamps: 1 x Cree MHD-G_530.44lm@100mA_P=3.0W_I=0.100A



Luminaire: Ledil Oy C12500_MIRA-M_(MHD-E)_SIMULATED
Lamps: 1 x Cree MHD-E

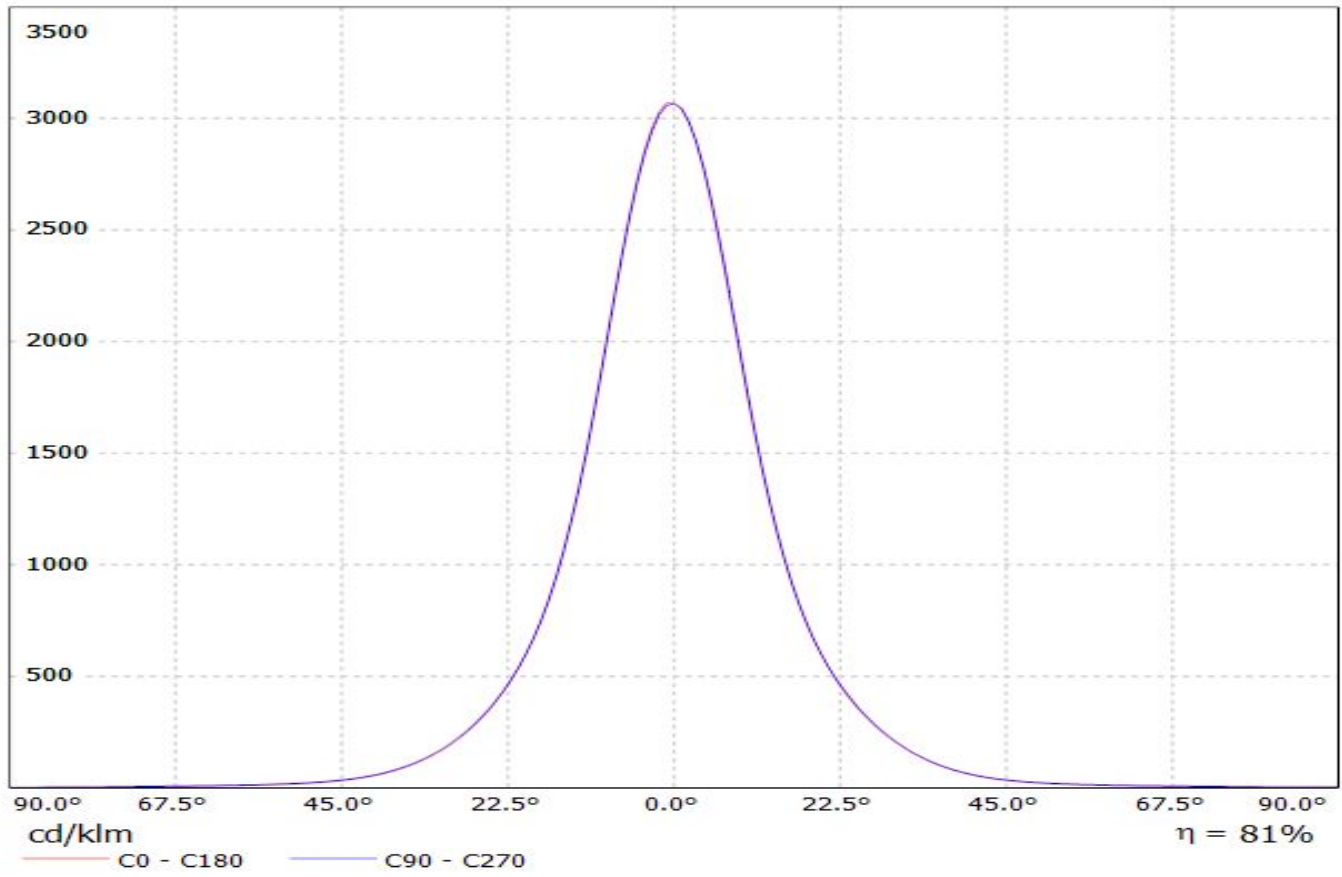


Luminaire: LEDil Oy C12500_MIRA-M_(Luxeon_MZ) Efficiency=81%
Lamps: 1 x Philips Lumileds Luxeon MZ (389lm @ 250mA) CCT=3800K P=2.8W I=250mA

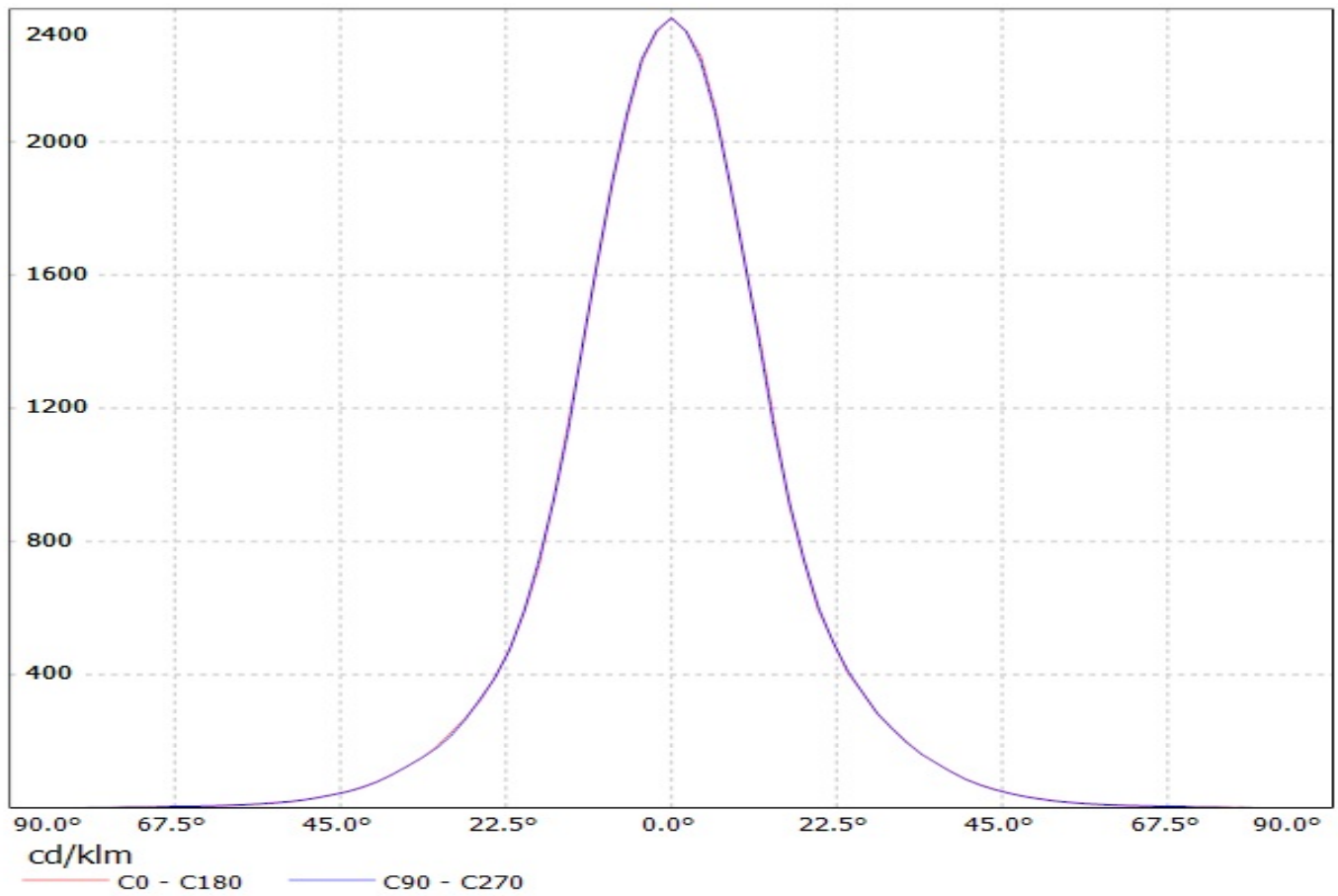


Luminaire: LEDiL Oy C12500_MIRA-M_(NSMx286M) Eff.80%

Lamps: 1 x NICHIA NSMx286M (NSML286ME) 335.256lm@100mA CCT=3000K P=3.39527W I=99.3mA

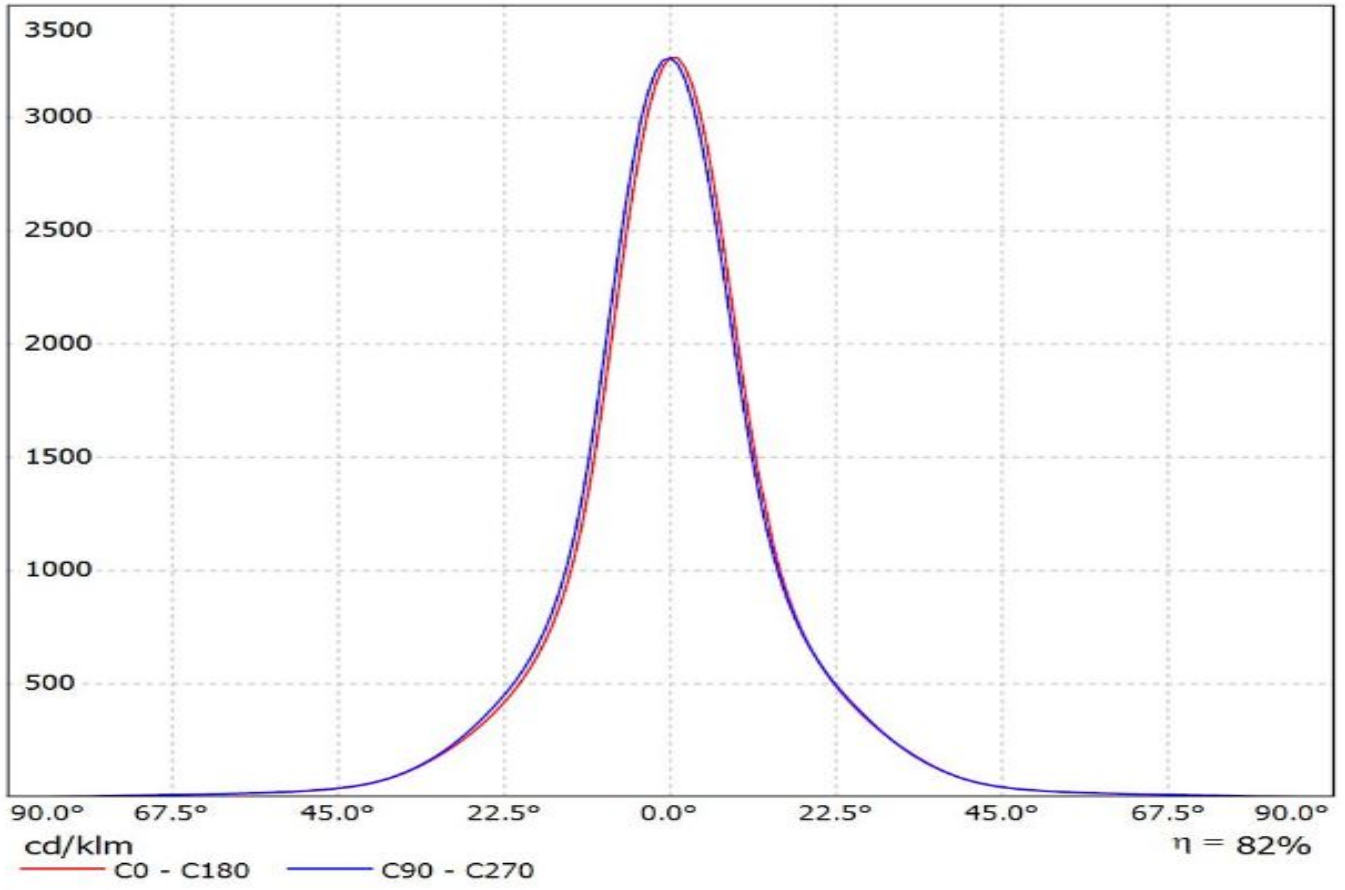


Luminaire: Ledil Oy C12500_MIRA-M (Nichia NSCxL036A 434lm @ 100mA) Efficiency=79%
Lamps: 1 x Nichia NSCxL036A 434lm @ 100mA (NSCLL036A) CCT=3000K P=3,4W I=100mA

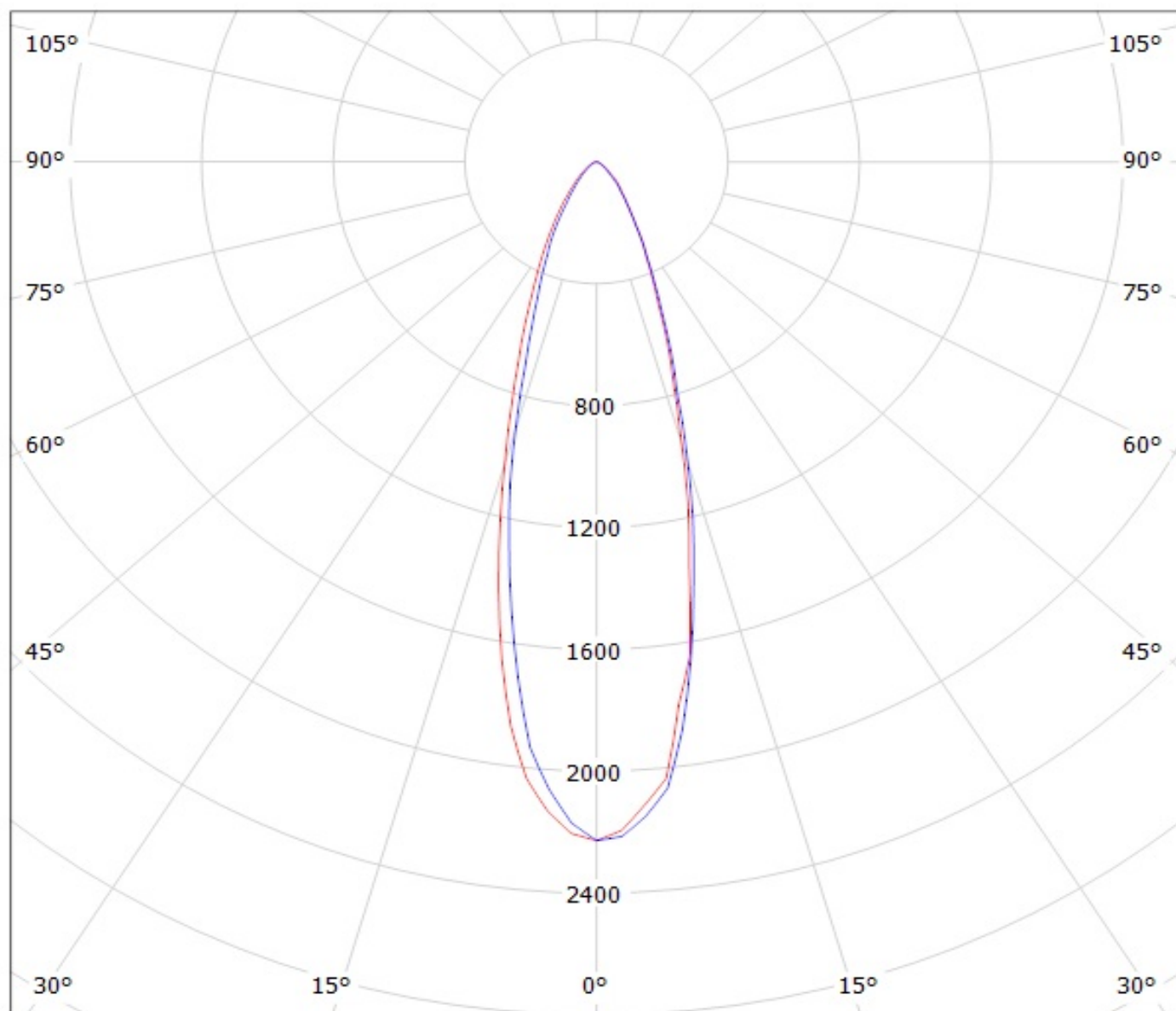


Luminaire: LEDiL Oy C12500_MIRA-M_(NFMX48xAR_14chip)

Lamps: 1 x Nichia_NFMX48xAR_14chip_(NFMW488AR)_557.972lm@100mA_P=4.0701W_I=0.100A



Luminaire: Ledil Oy C12500-Mira-M (Cree MT-G 714lm @ 250mA) Efficiency=83%
Lamps: 1 x Cree MT-G 714lm @ 250mA



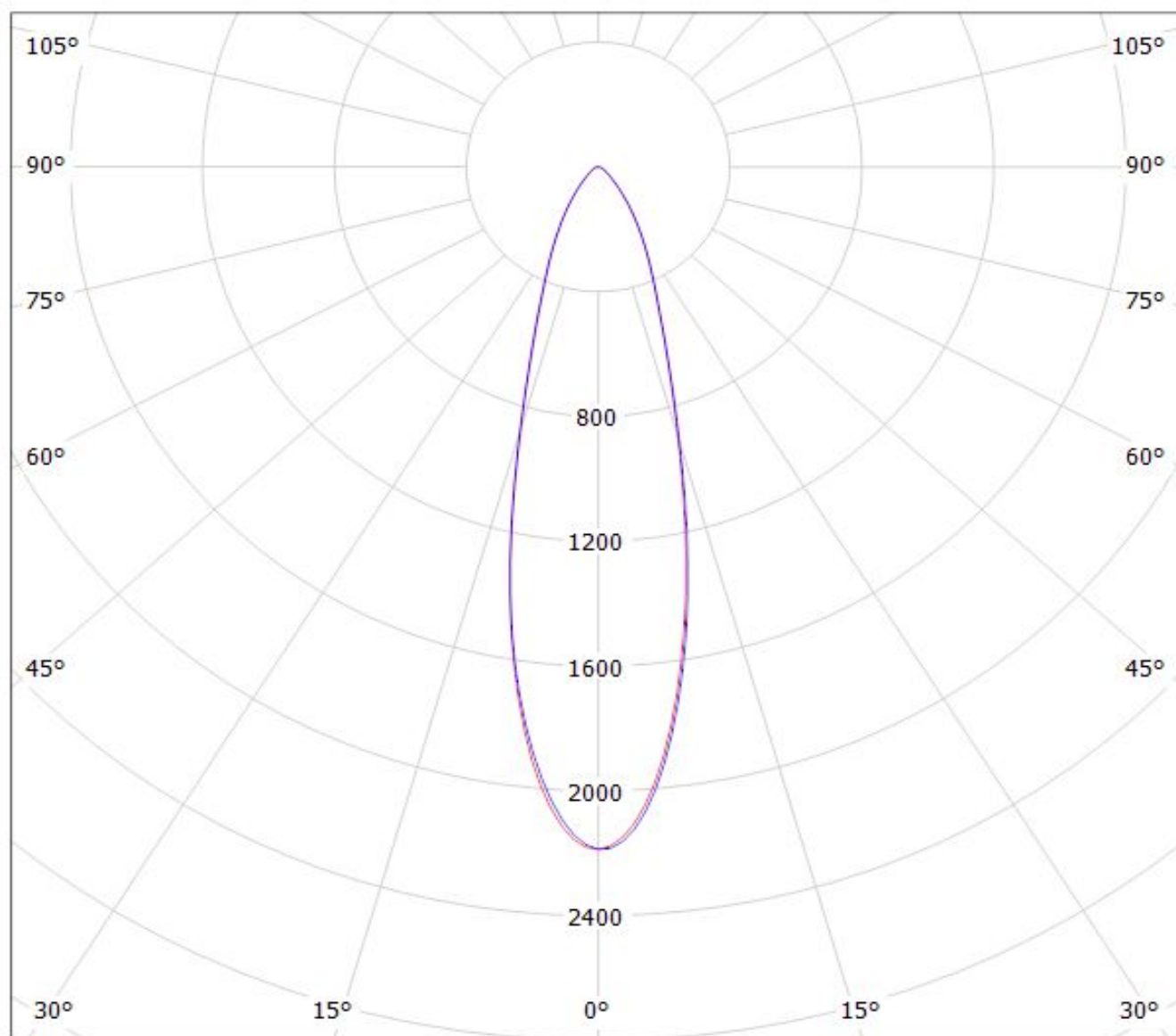
cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy C12500_MIRA-M_(XHP70)

Lamps: 1 x Cree_XHP70_261.415lm@250mA_P=1.38207W_I=249.9mA



cd/klm

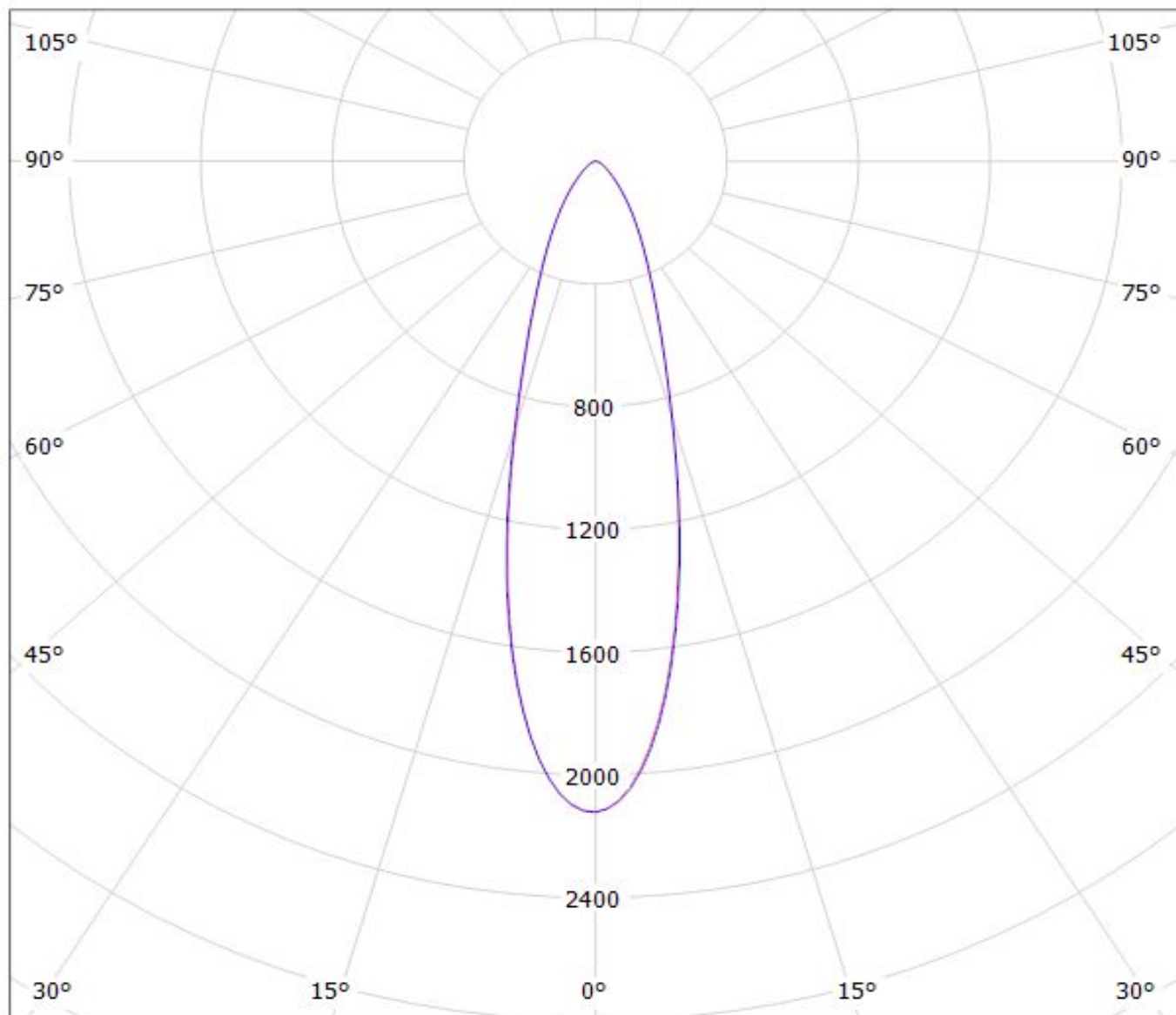
$\eta = 83\%$

— C0 - C180

— C90 - C270

Luminaire: Ledil C12500_MIRA-M_(MHD-G)

Lamps: 1 x Cree MHD-G_530.44lm@100mA_P=3.0W_I=0.100A



cd/klm

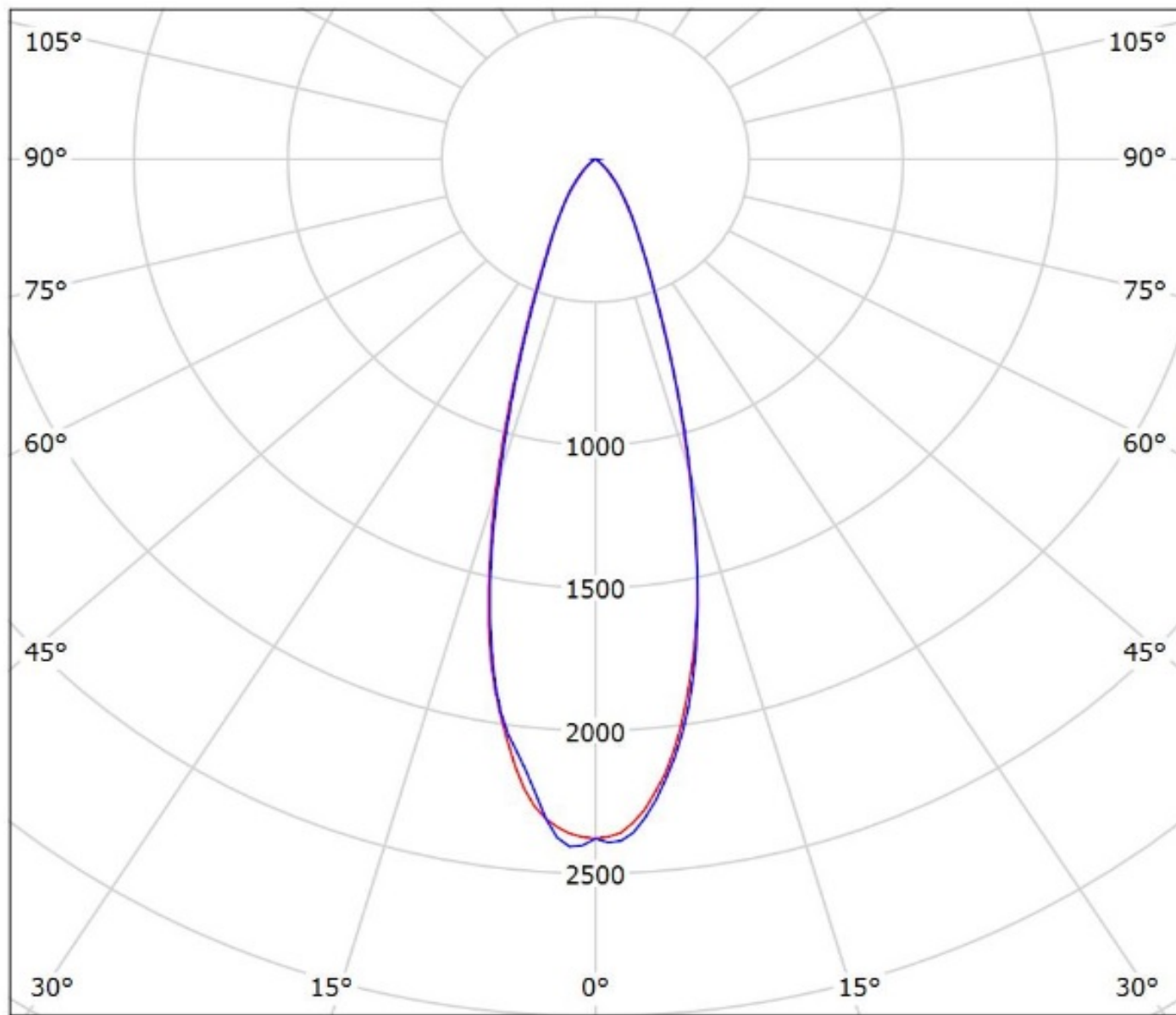
— C0 - C180

— C90 - C270

$\eta = 85\%$

Luminaire: Ledil Oy C12500_MIRA-M_(MHD-E)_SIMULATED

Lamps: 1 x Cree MHD-E

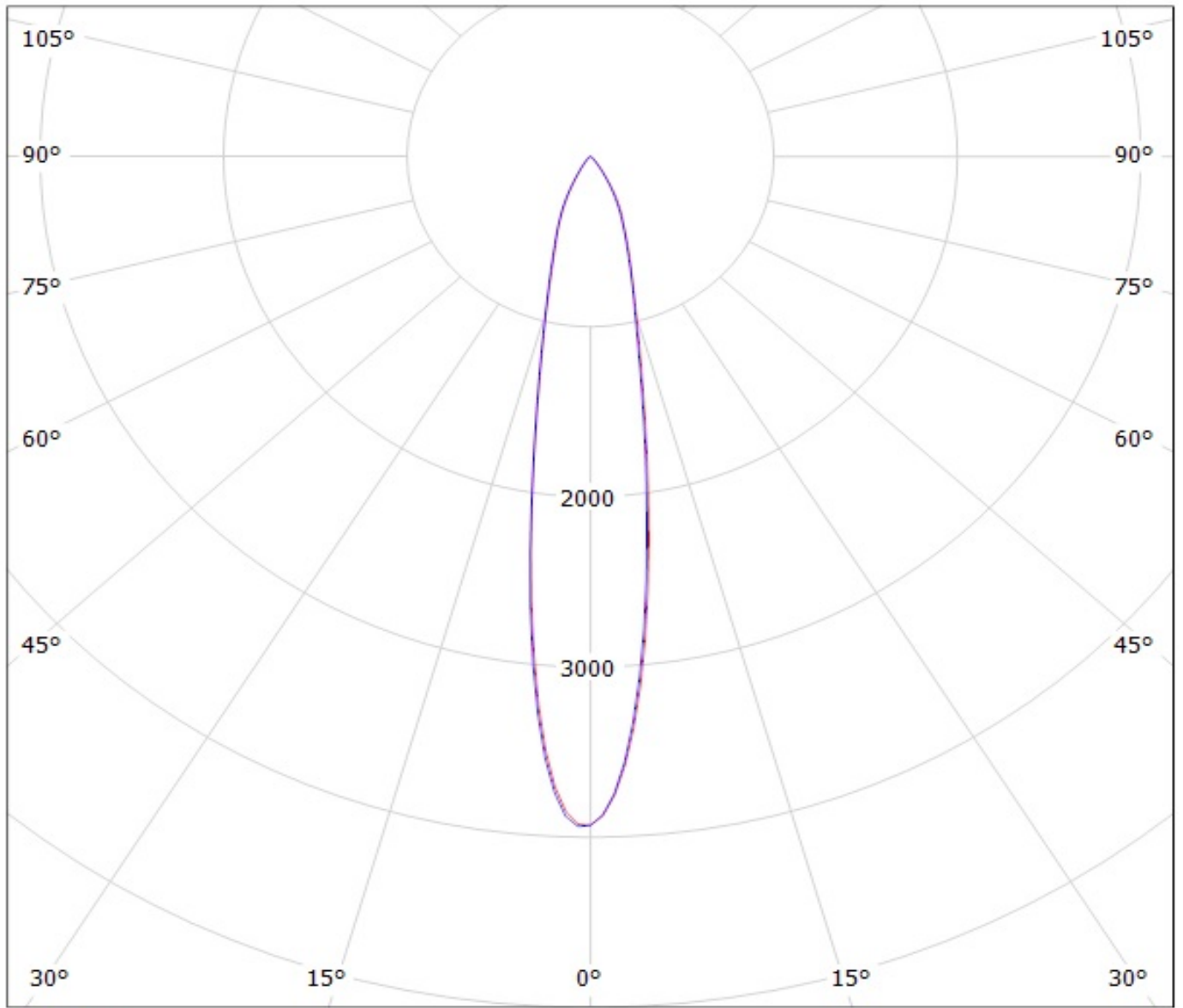


cd/klm

— C0 - C180 — C90 - C270

$\eta = 87\%$

Luminaire: LEDil Oy C12500_MIRA-M_(Luxeon_MZ) Efficiency=81%
Lamps: 1 x Philips Lumileds Luxeon MZ (389lm @ 250mA) CCT=3800K P=2.8W I=250mA

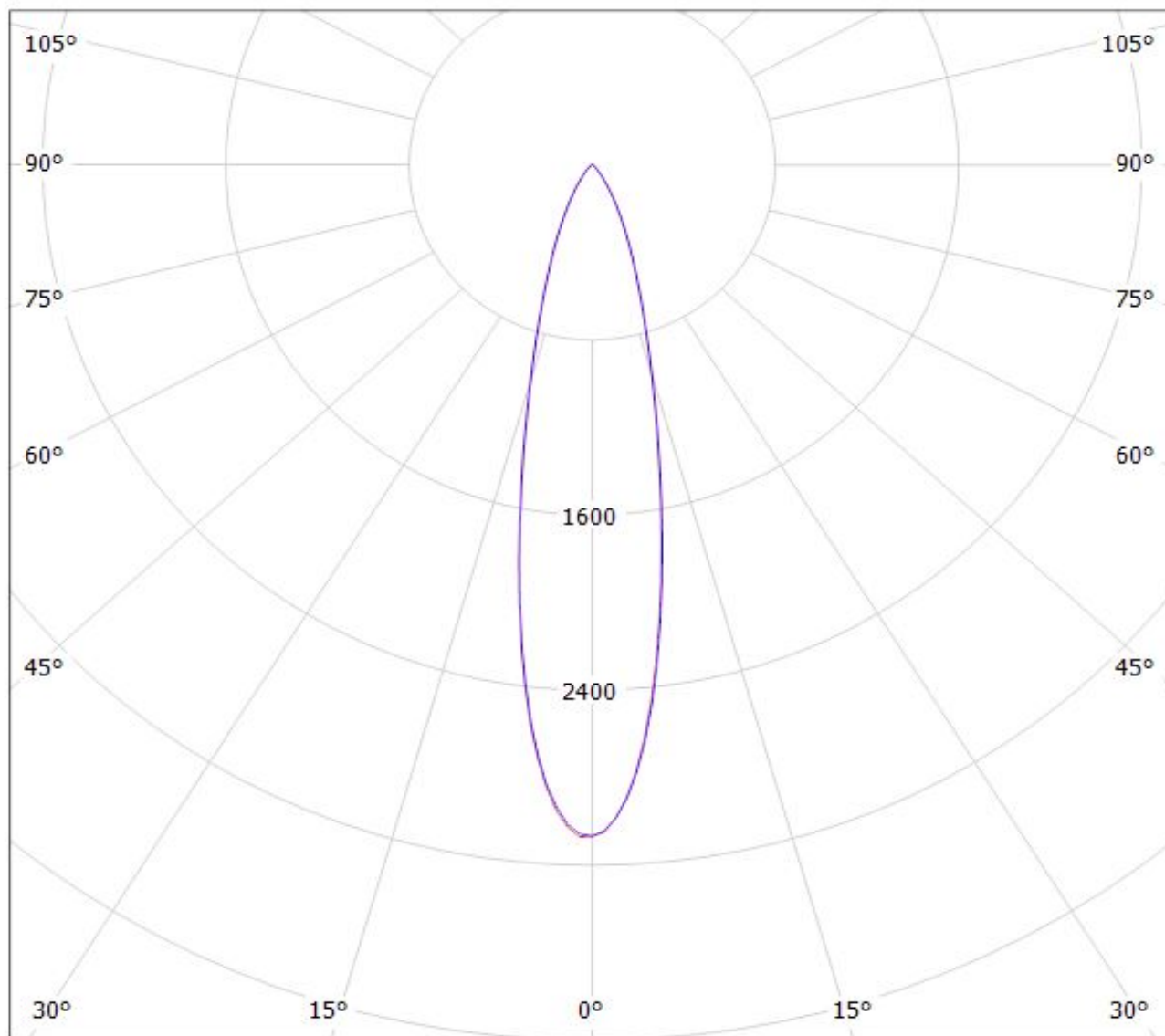


cd/klm

— C0 - C180 — C90 - C270

Luminaire: LEDiL Oy C12500_MIRA-M_(NSMx286M) Eff.80%

Lamps: 1 x NICHIA NSMx286M (NSML286ME) 335.256lm@100mA CCT=3000K P=3.39527W I=99.3mA



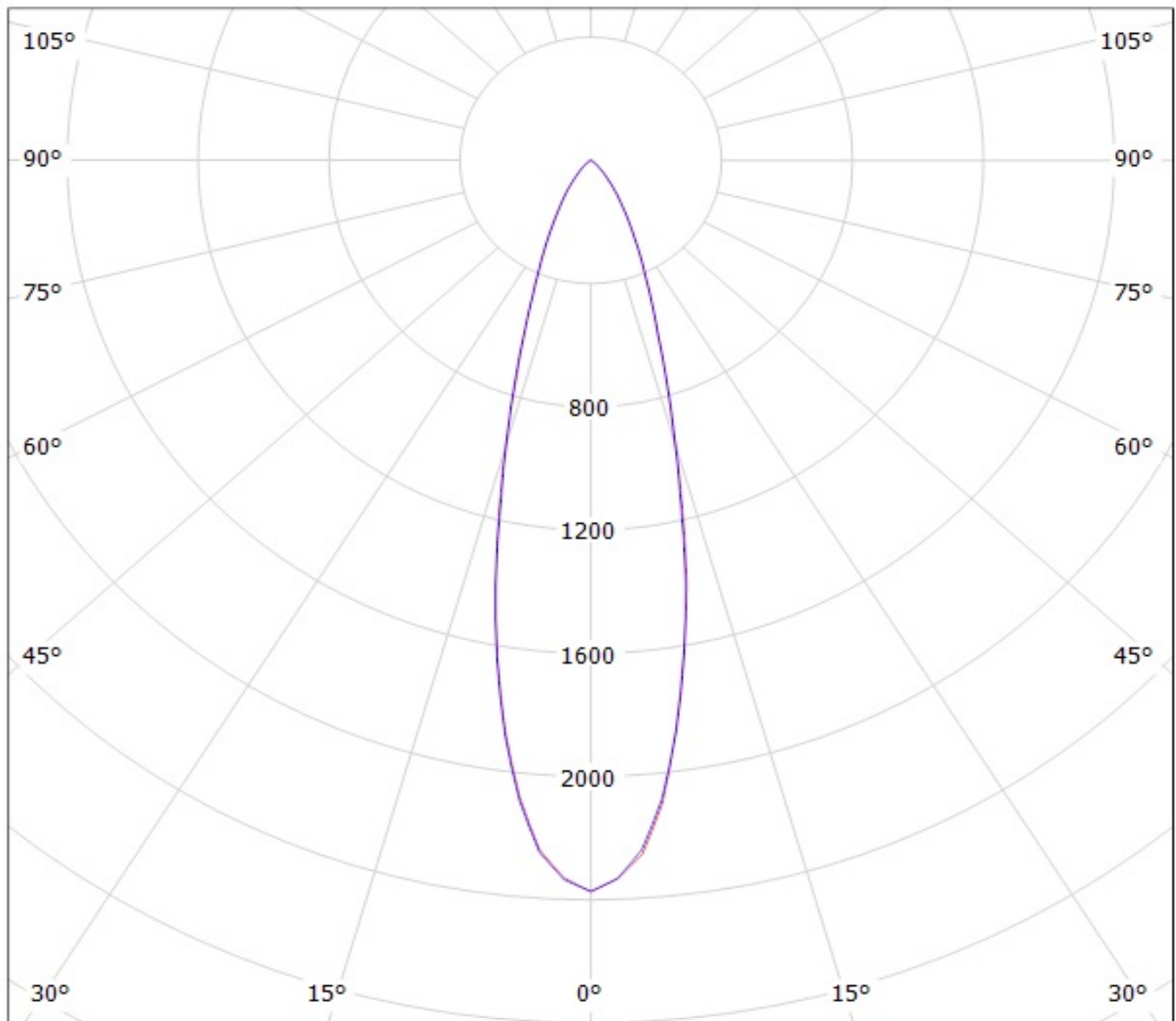
cd/klm

— C0 - C180

— C90 - C270

$\eta = 81\%$

Luminaire: Ledil Oy C12500_MIRA-M (Nichia NSCxL036A 434lm @ 100mA) Efficiency=79%
Lamps: 1 x Nichia NSCxL036A 434lm @ 100mA (NSCLL036A) CCT=3000K P=3,4W I=100mA



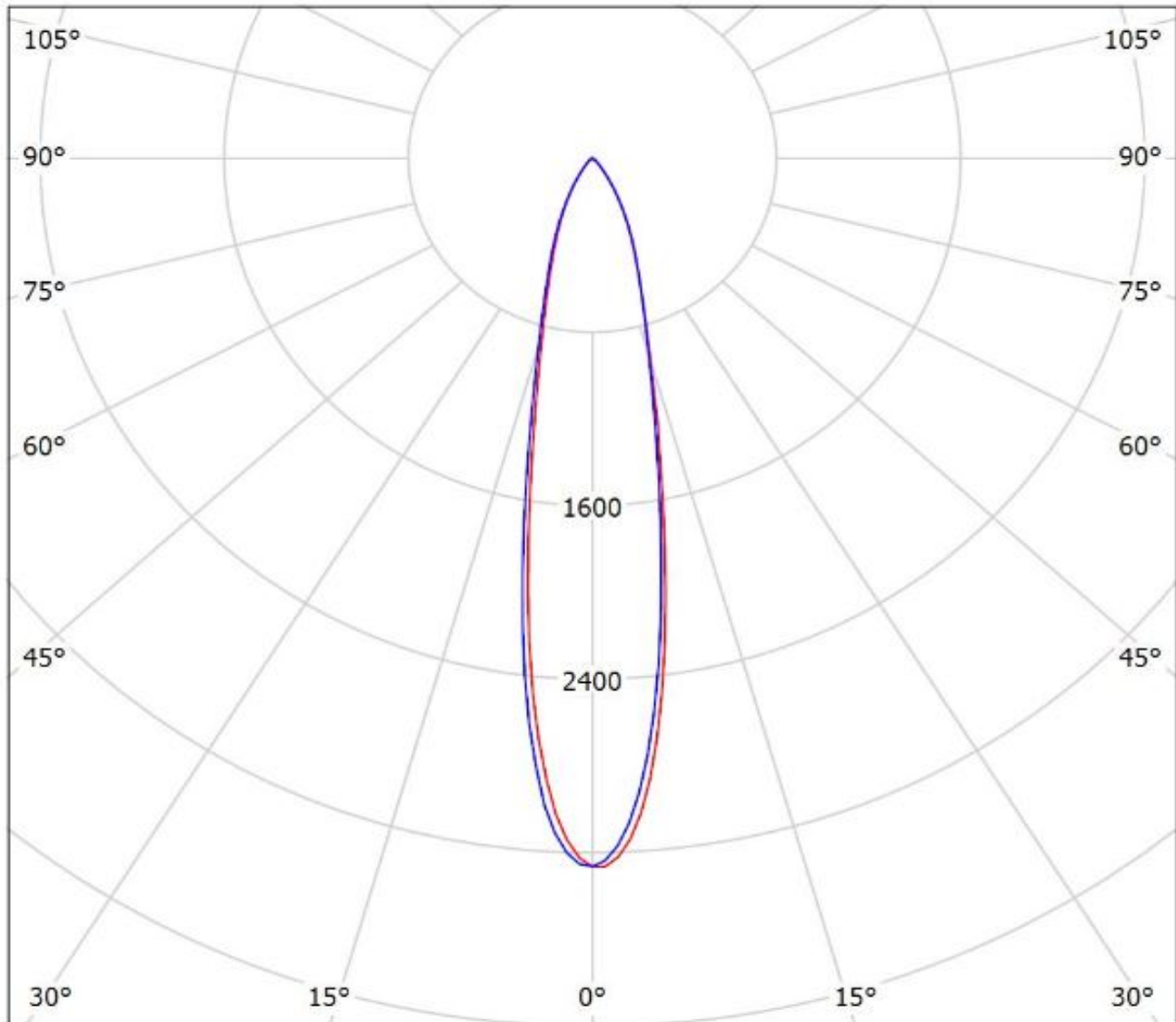
cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy C12500_MIRA-M_(NFMX48xAR_14chip)

Lamps: 1 x Nichia_NFMX48xAR_14chip_(NFMW488AR)_557.972lm@100mA_P=4.0701W_η=0.100A



cd/klm

— C0 - C180

— C90 - C270

η = 82%

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.

GENERAL INFORMATION

- Product series especially designed & optimized for series of LEDs.
- Special care taken to make light distribution as uniform as possible.

Note! Due to use of high power COB's with this product, special attention to proper thermal design is highly recommended. LEDiL has no liability for direct, indirect or consecutive damages arising from the LEDiL products being used outside of the recommended temperature range.