

DETAILS

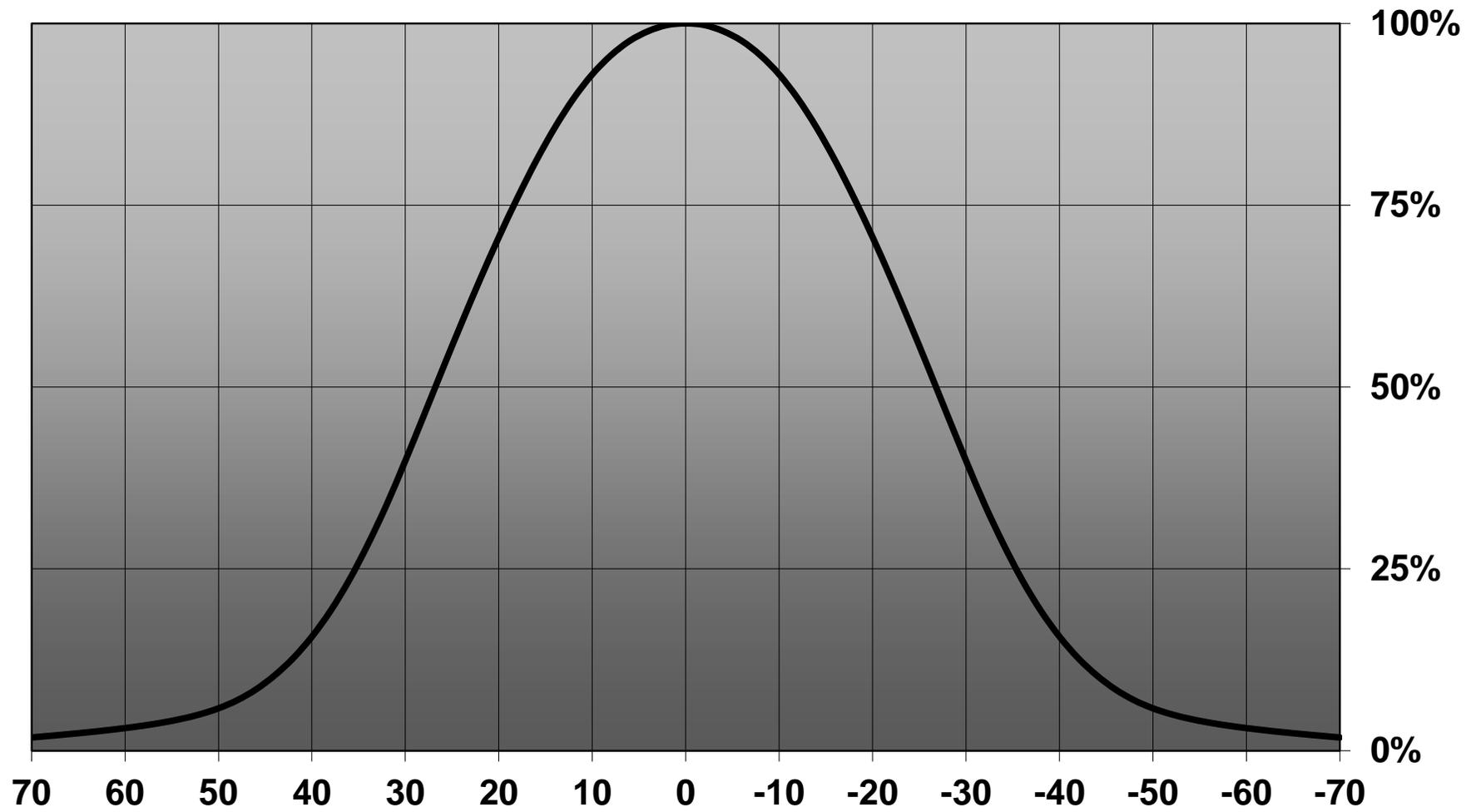
Product Number	C12502_MIRA-WW
Family	Mira
Type	Lens
Color	clear
Diameter	32,4 mm
Height	14,7 mm
Style	round
Optic Material	PC
Holder Material	
Fastening	glue
Status	production ready
ROHS Compliant	Yes
Date Updated	6/08/2015

OPTICAL PROPERTIES

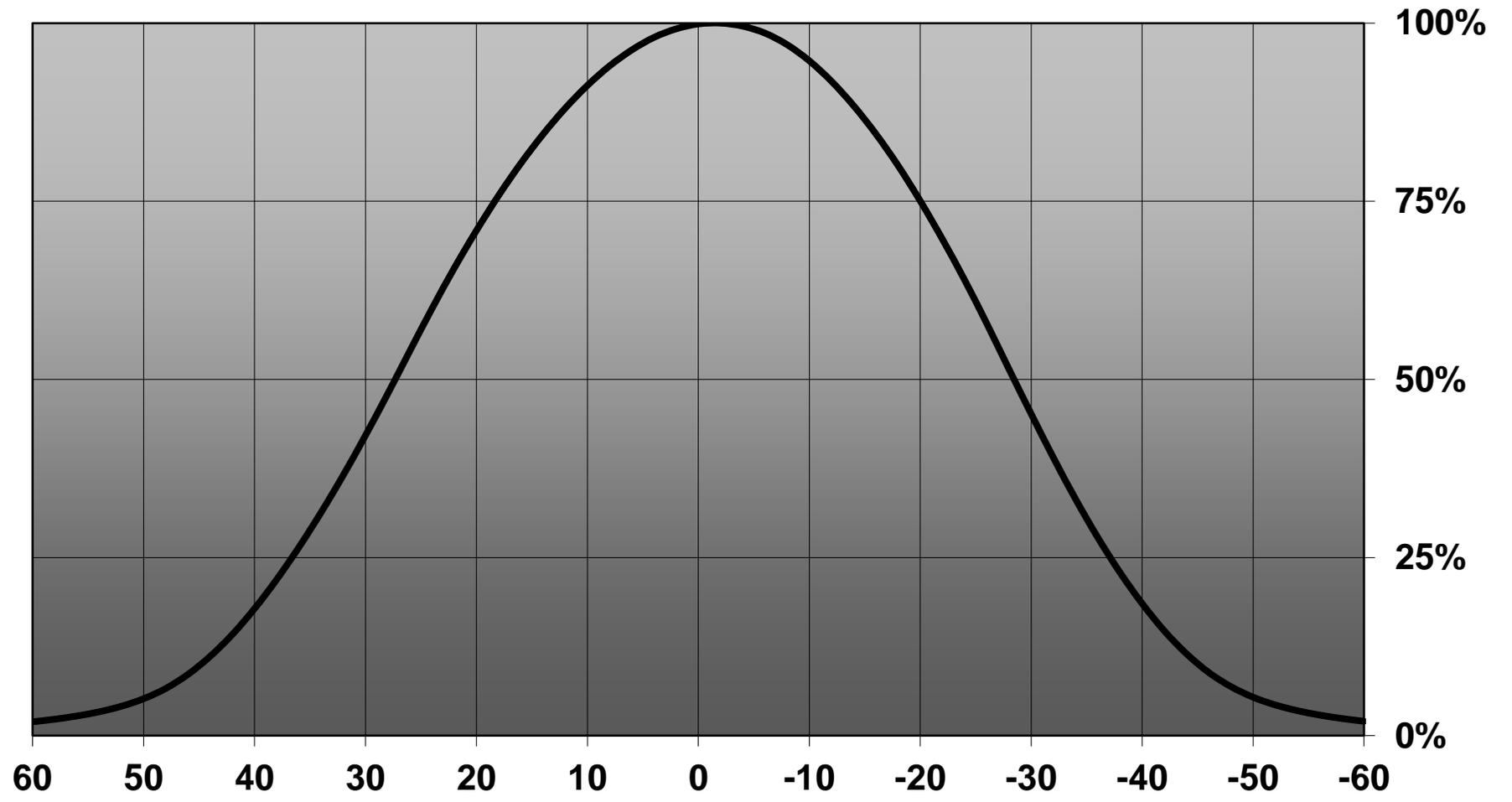
LED	Viewing	Light	Effi-	cd/lm	Connector
	Angle	Beam	ciency		
BXRA ES Star	54 deg	Very Wide	83 %	-	-
V10 Gen6	56 deg	Very Wide	78 %	0.920	-
MT-G	58 deg	Very Wide	81 %	0.900	-
CXA/B 15xx	53 deg	Very Wide	84 %	1.100	-
XHP70	61 deg	Very Wide	82 %	0.760	-
MHD-E/G	61 deg	Very Wide	81 %	0.730	-
LUXEON M/MX	57 deg	Very Wide	82 %	-	-
LUXEON MZ	49 deg	Very Wide	81 %	1.200	-
LUXEON 5258	sim: 54	Very Wide	sim: 92 %	sim: 1.300	-
NSMx286M	47 deg	Very Wide	76 %	1.100	-
NSCxL036A	57 deg	Very Wide	79 %	0.900	-
NFMW48xA	50 deg	Very Wide	82 %	1.100	-
Solerialq P9	54 deg	Very Wide	78 %	0.920	-
Solerialq P6	55 deg	Very Wide	78 %	0.960	-
Duris S10	54 deg	Very Wide	86 %	1.100	-
Duris P10	sim: 67	Very Wide	sim: 92 %	sim: 0.760	-



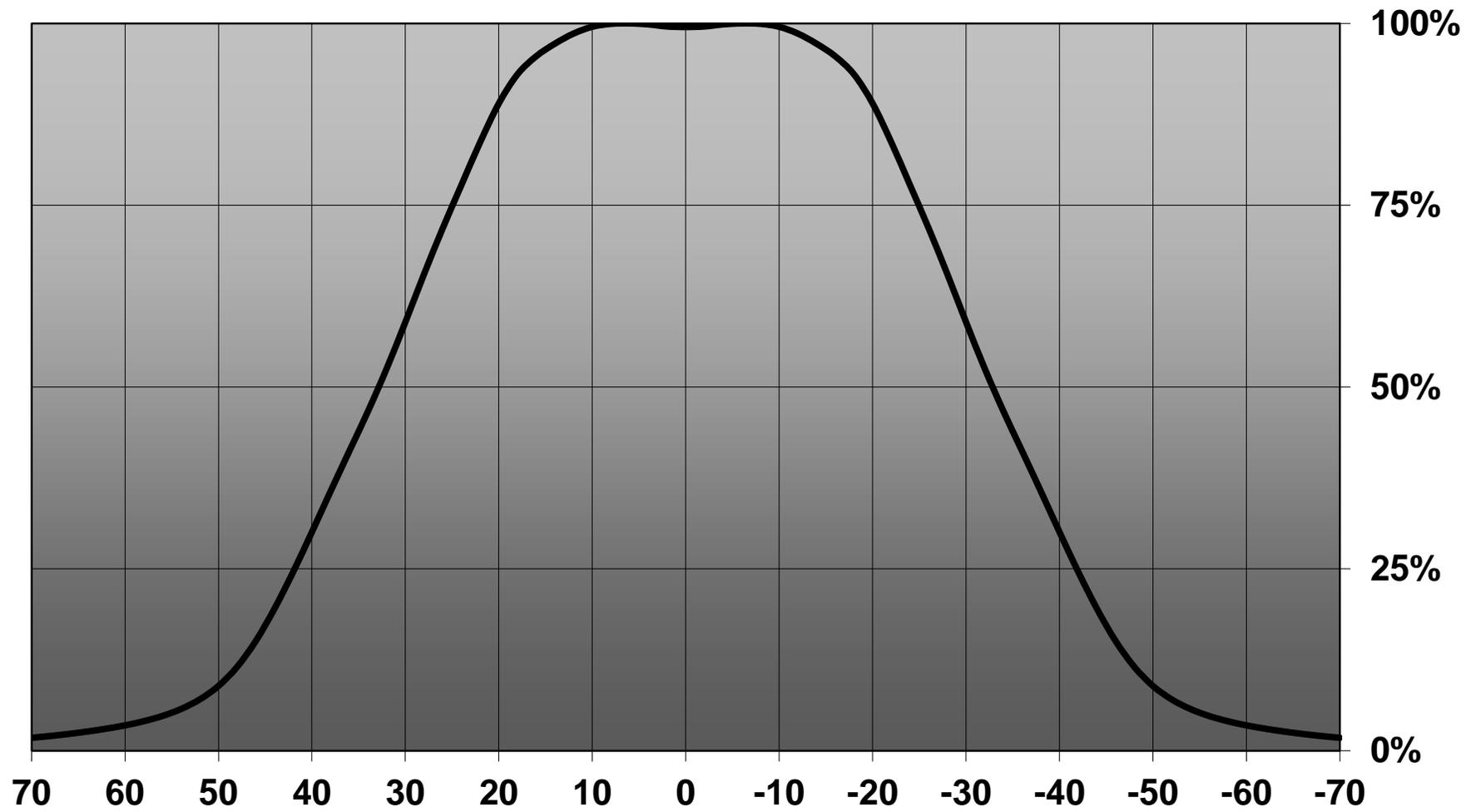
Relative intensity of C12502_MIRA-WW (BXRA-W0400)



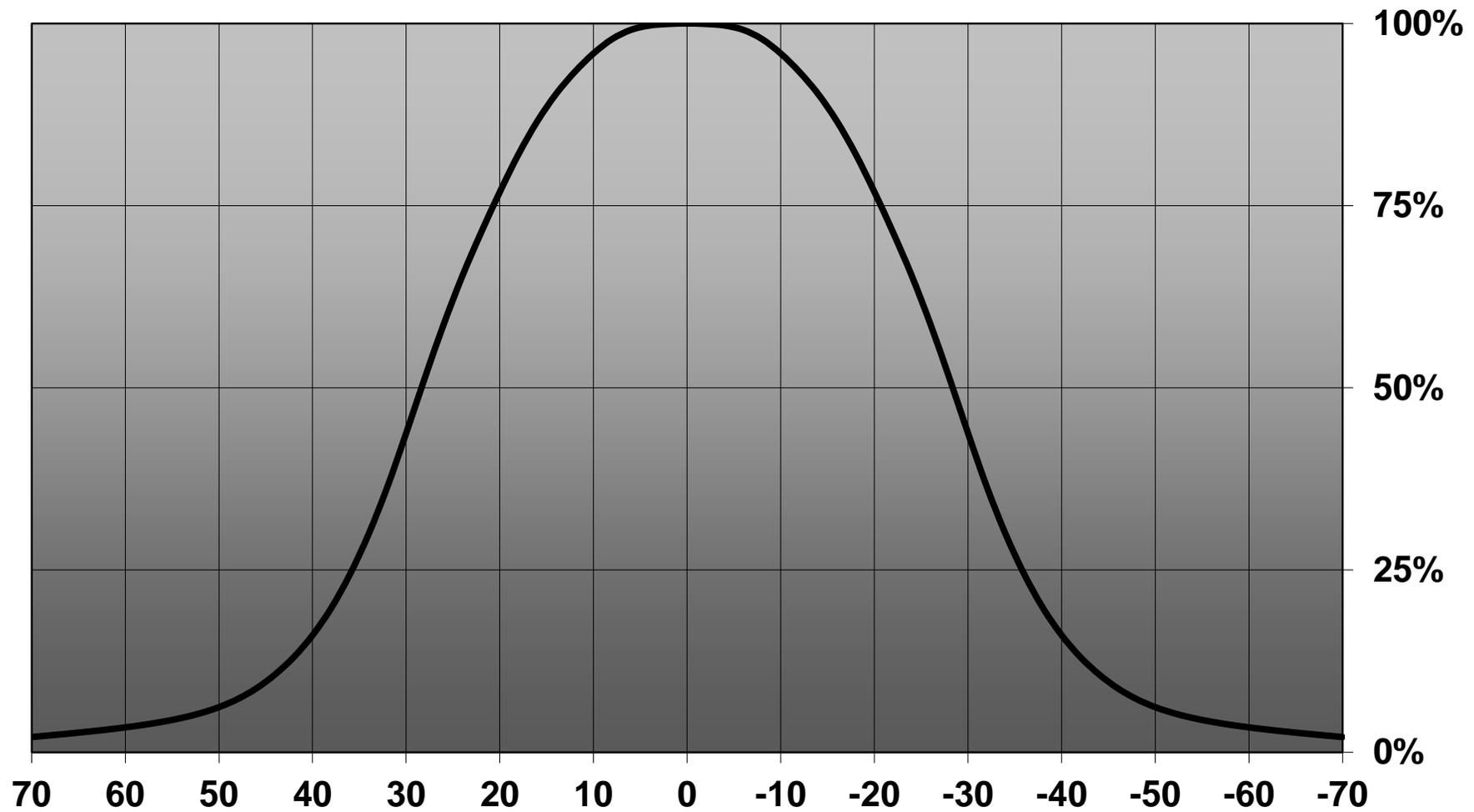
Relative intensity of C12502_MIRA-WW_(V10)



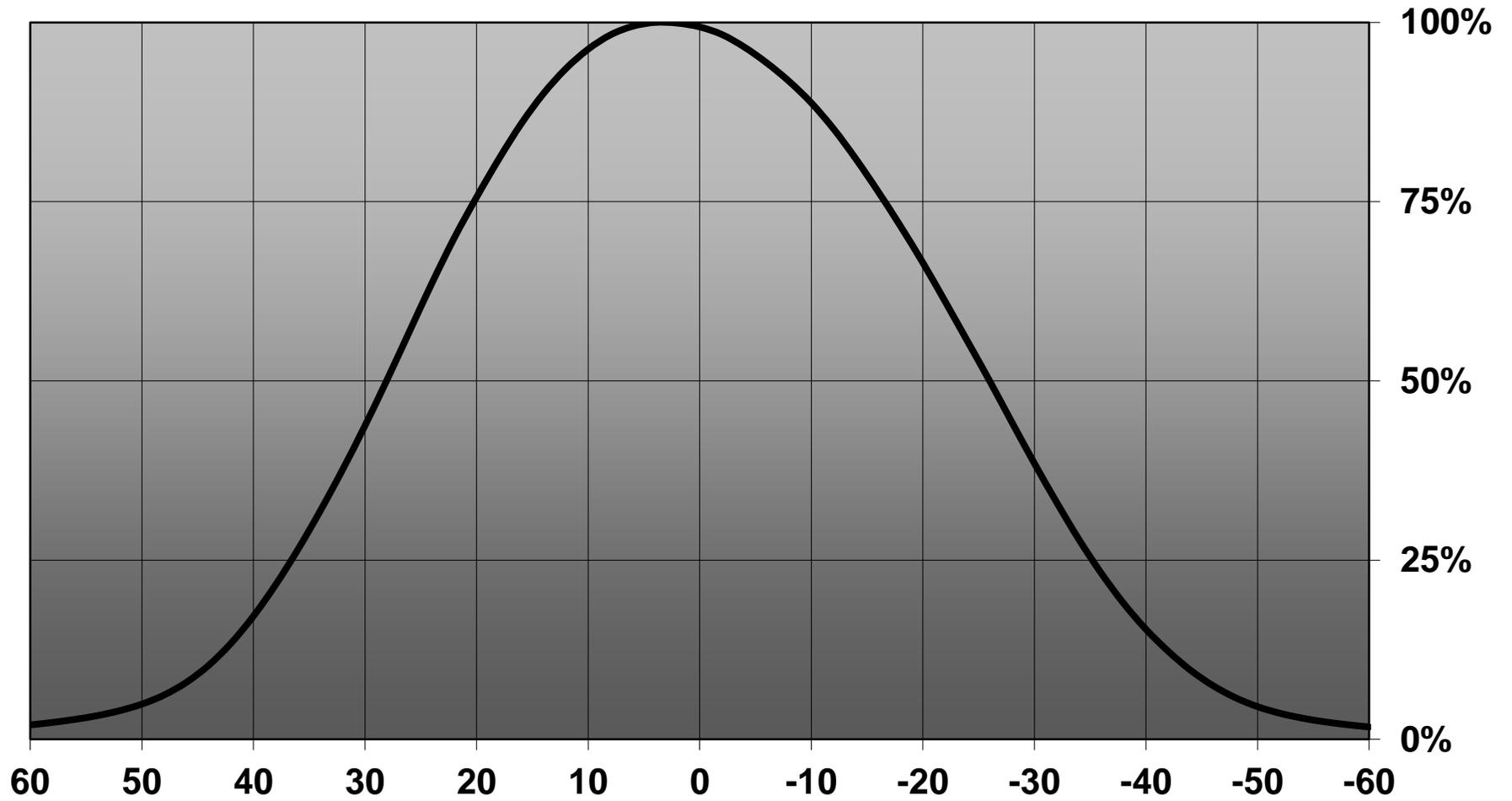
Relative intensity of C12502_MIRA-WW (MT-G)



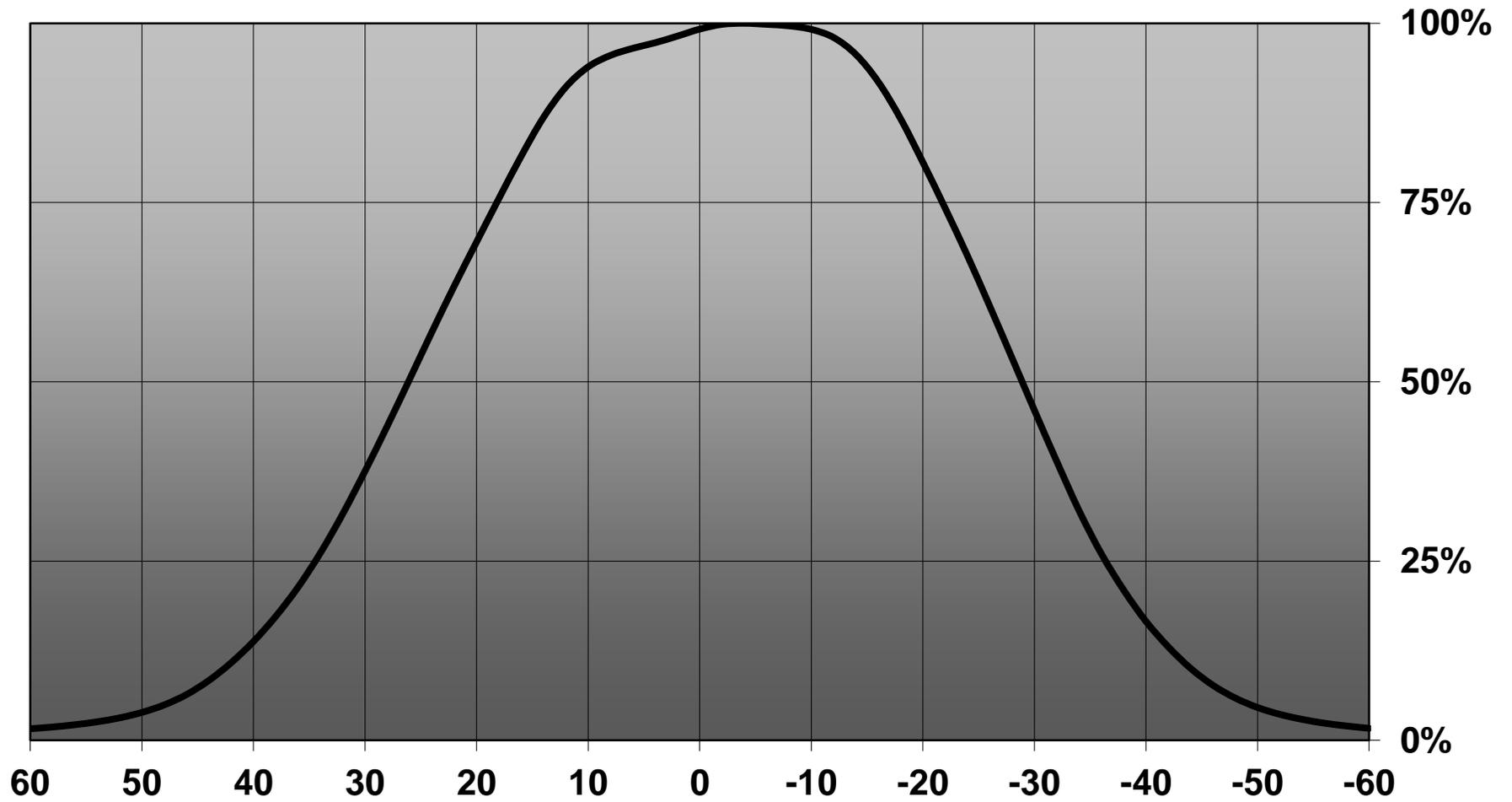
Relative intensity of C12502_MIRA-WW_Luxeon-M



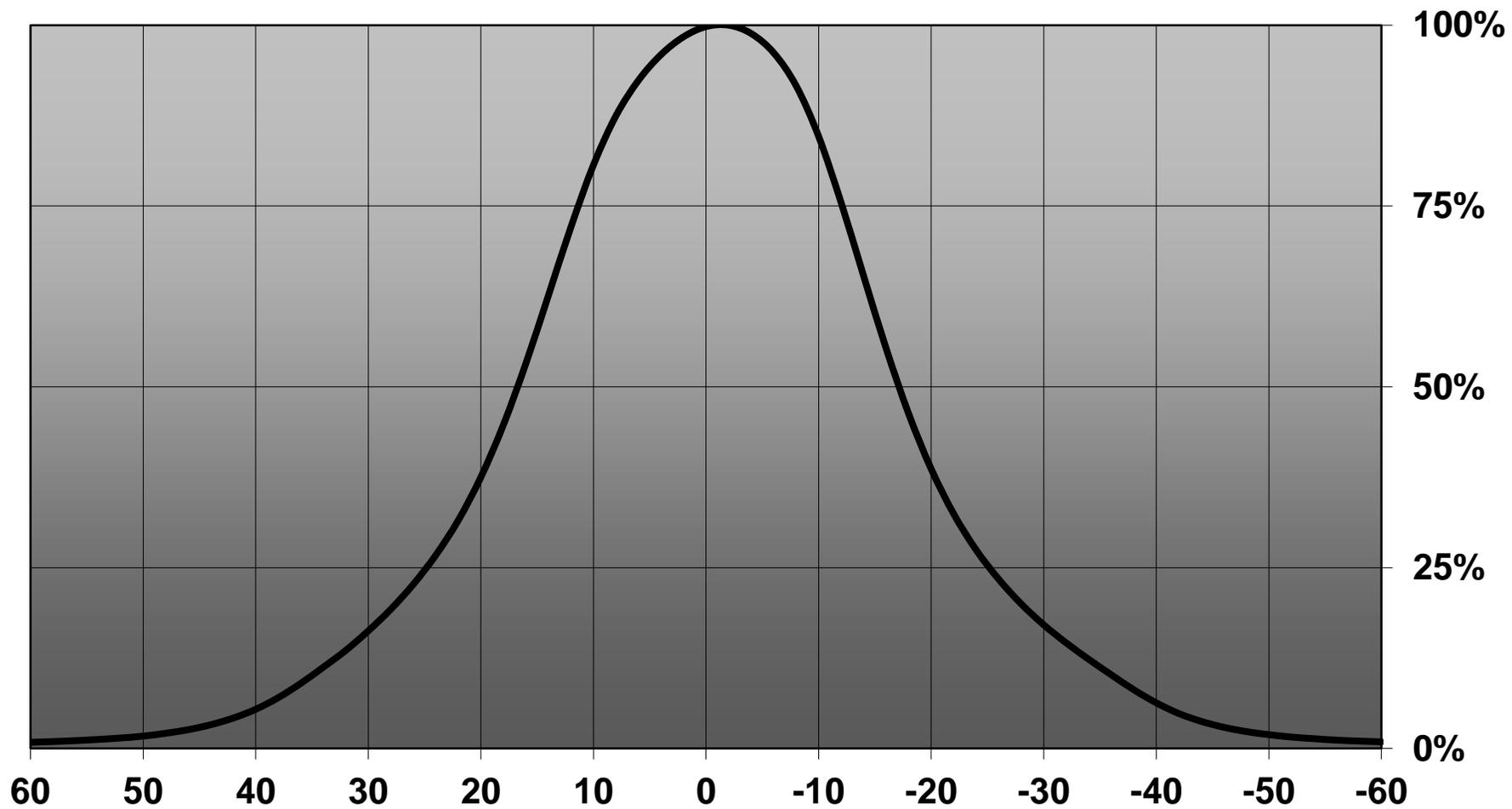
Relative intensity of C12502_MIRA-WW_(Soleriq P9)

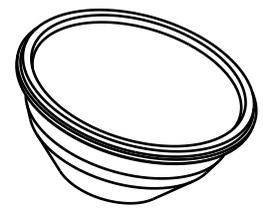


Relative intensity of C12502_MIRA-WW_(Soleriq P6)

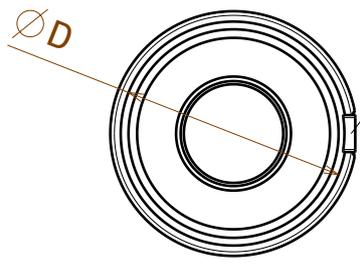


Relative intensity of C12502_MIRA-WW_(Duris_S10)



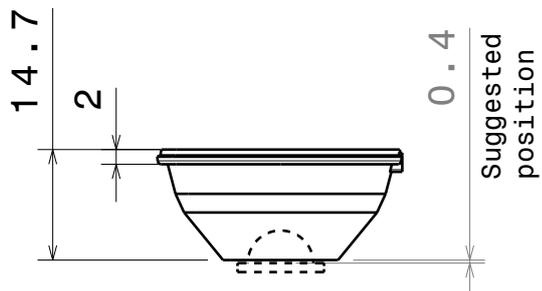


Isometric view

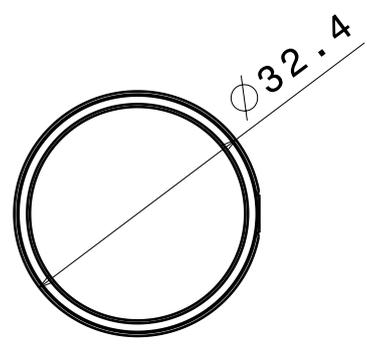


Bottom view

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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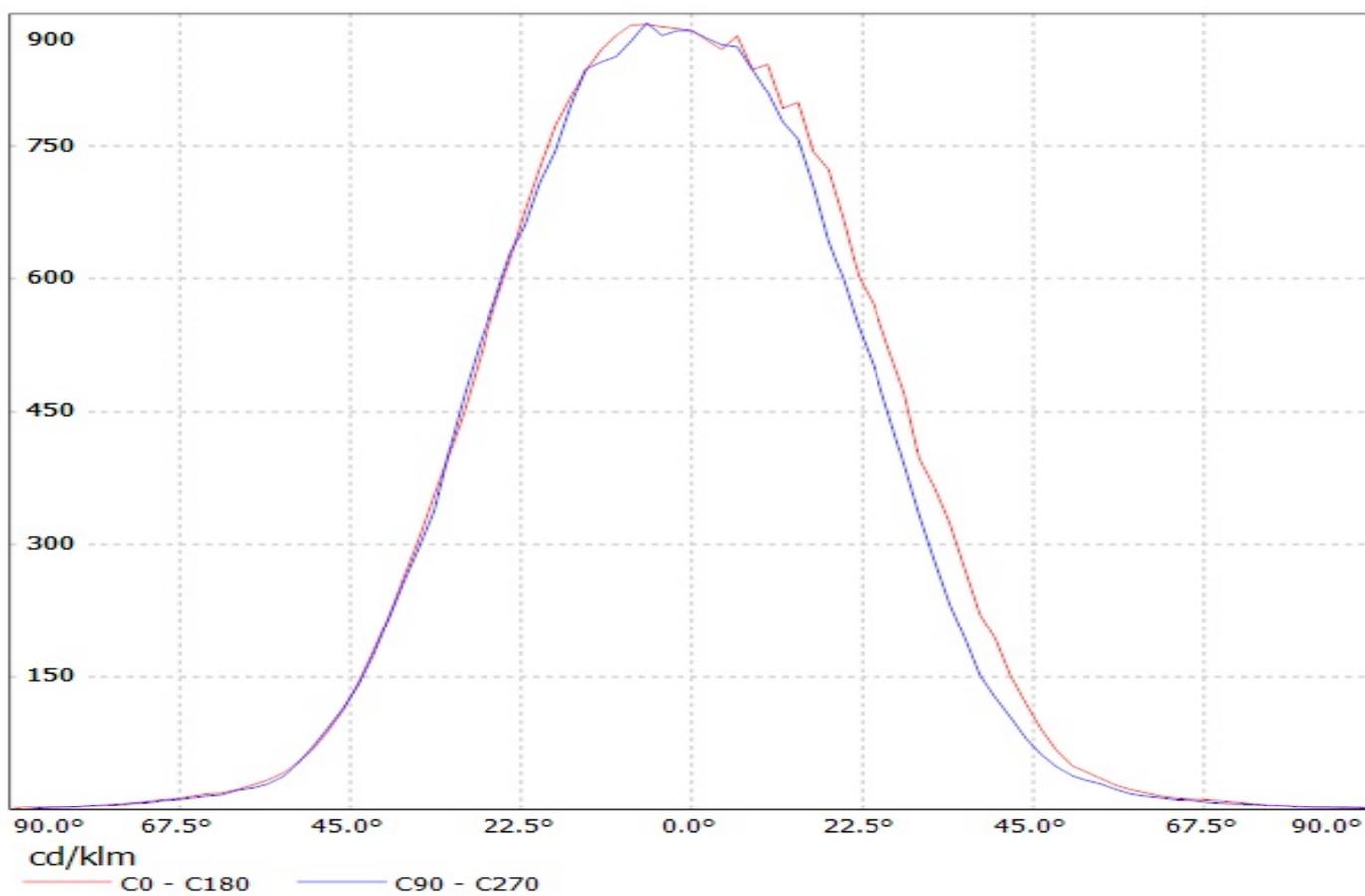
Ledil Oy
 Salorankatu 10
 FIN 24240 SALO
 Finland

DRAWING TITLE

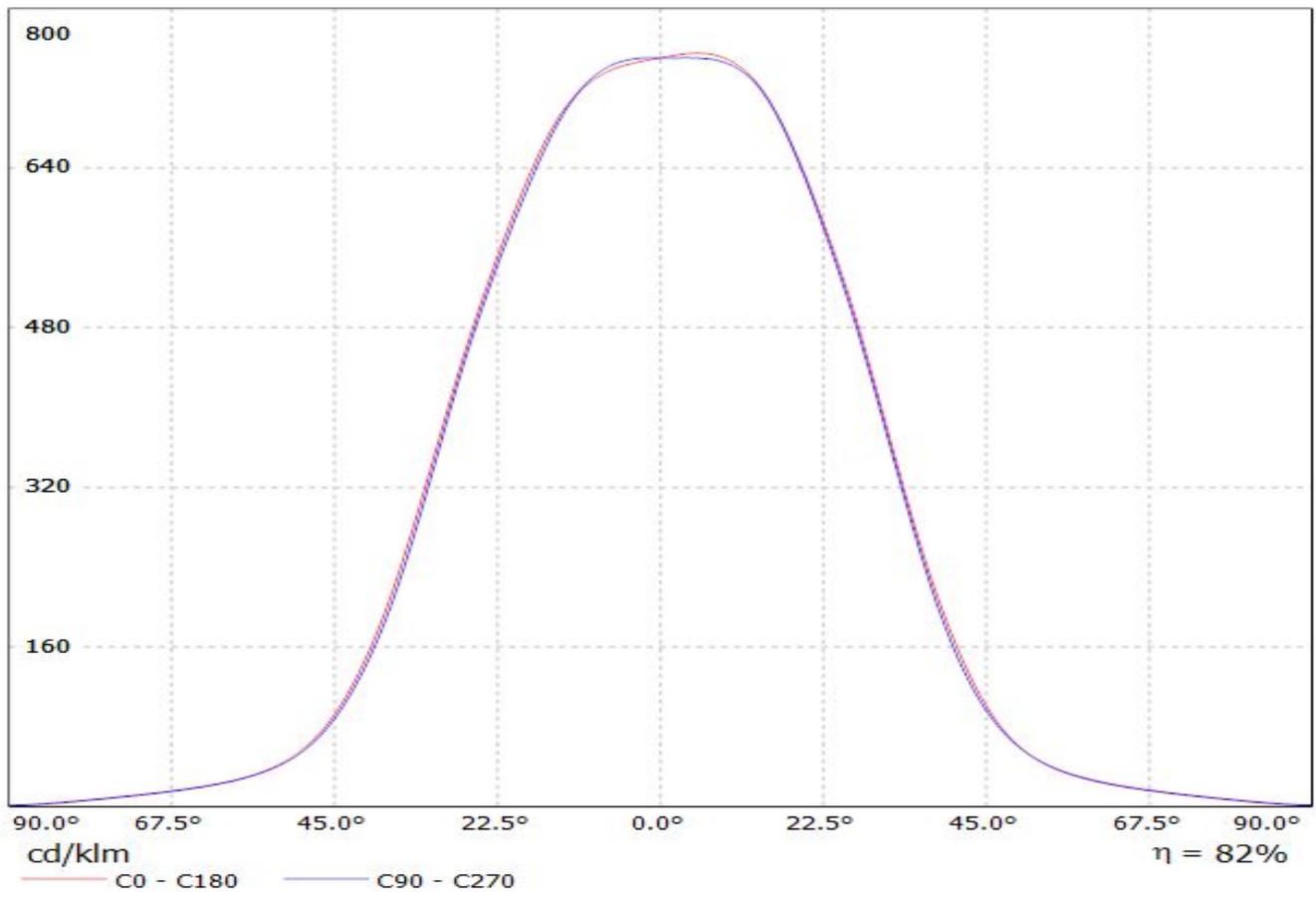
Datasheet MIRA lens

DRAWN BY mav		DATE 02.04.2012		DRAWING TITLE Datasheet MIRA lens			
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	

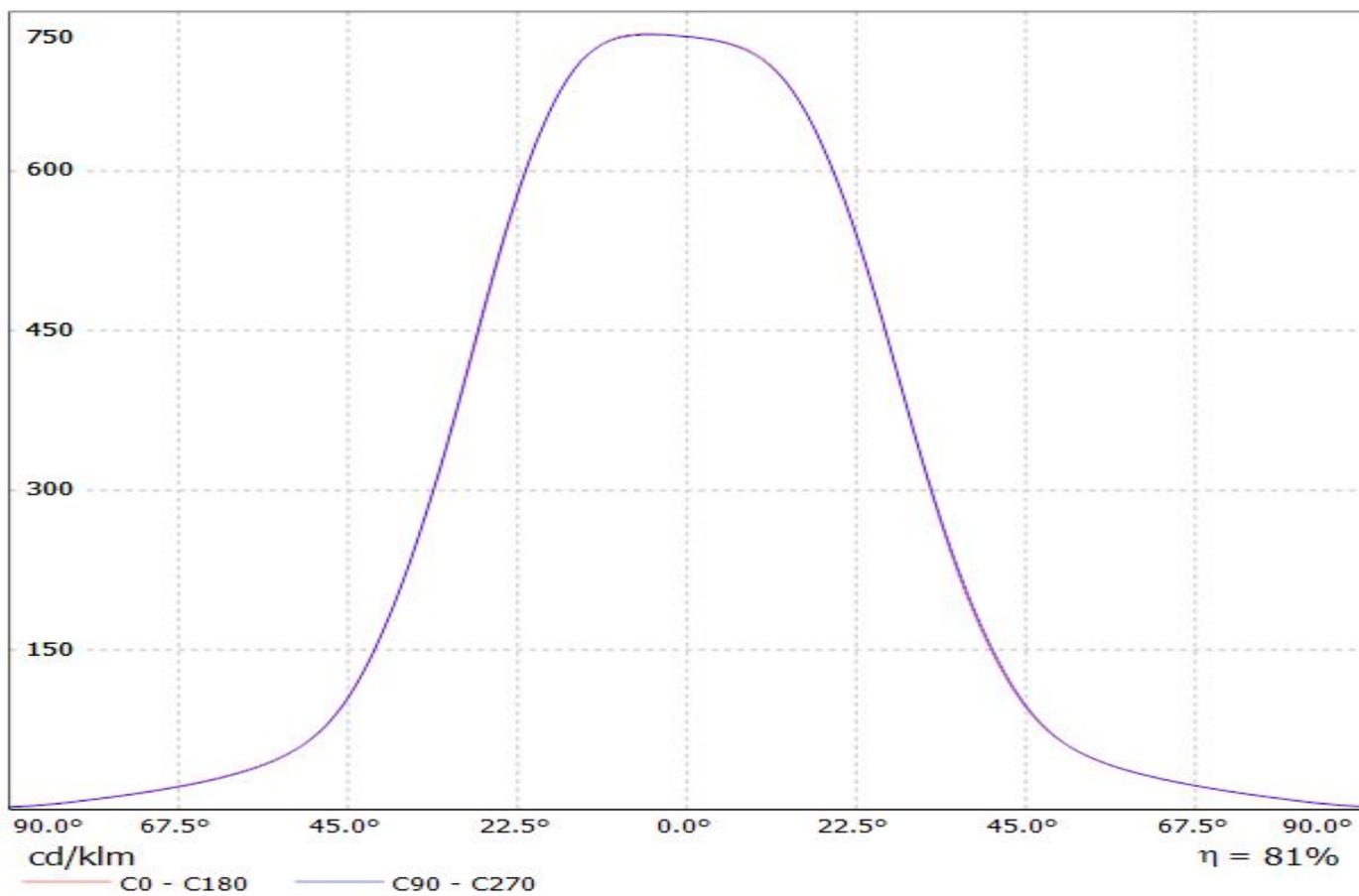
Luminaire: Ledil Oy C12502-Mira-WW (Cree MT-G 714lm @ 250mA) Efficiency=81%
Lamps: 1 x Cree MT-G 714lm @ 250mA



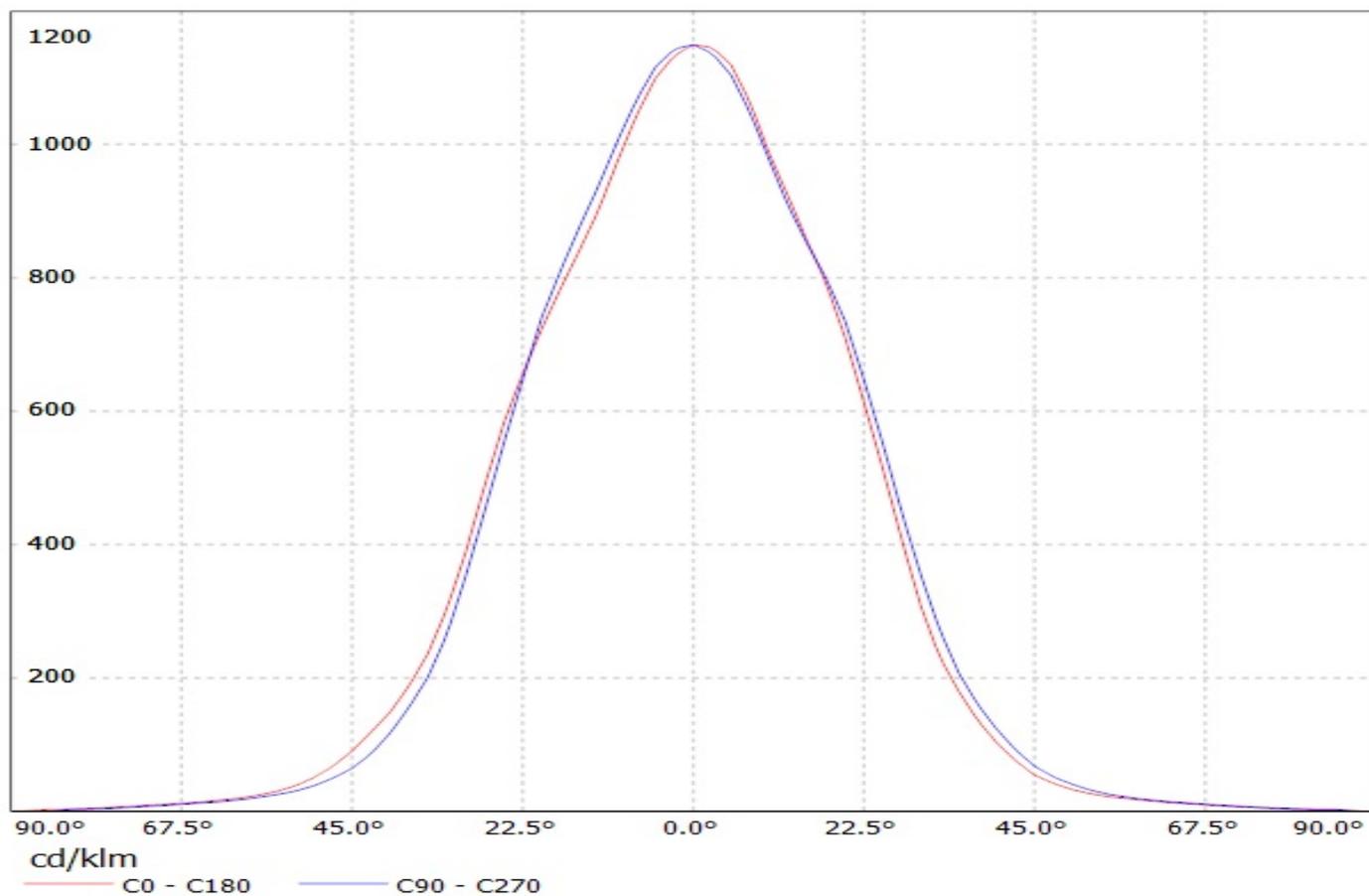
Luminaire: LEDiL Oy C12502_MIRA-WW_(XHP70)
Lamps: 1 x Cree_XHP70_261.415lm@250mA_P=1.38207W_I=249.9mA



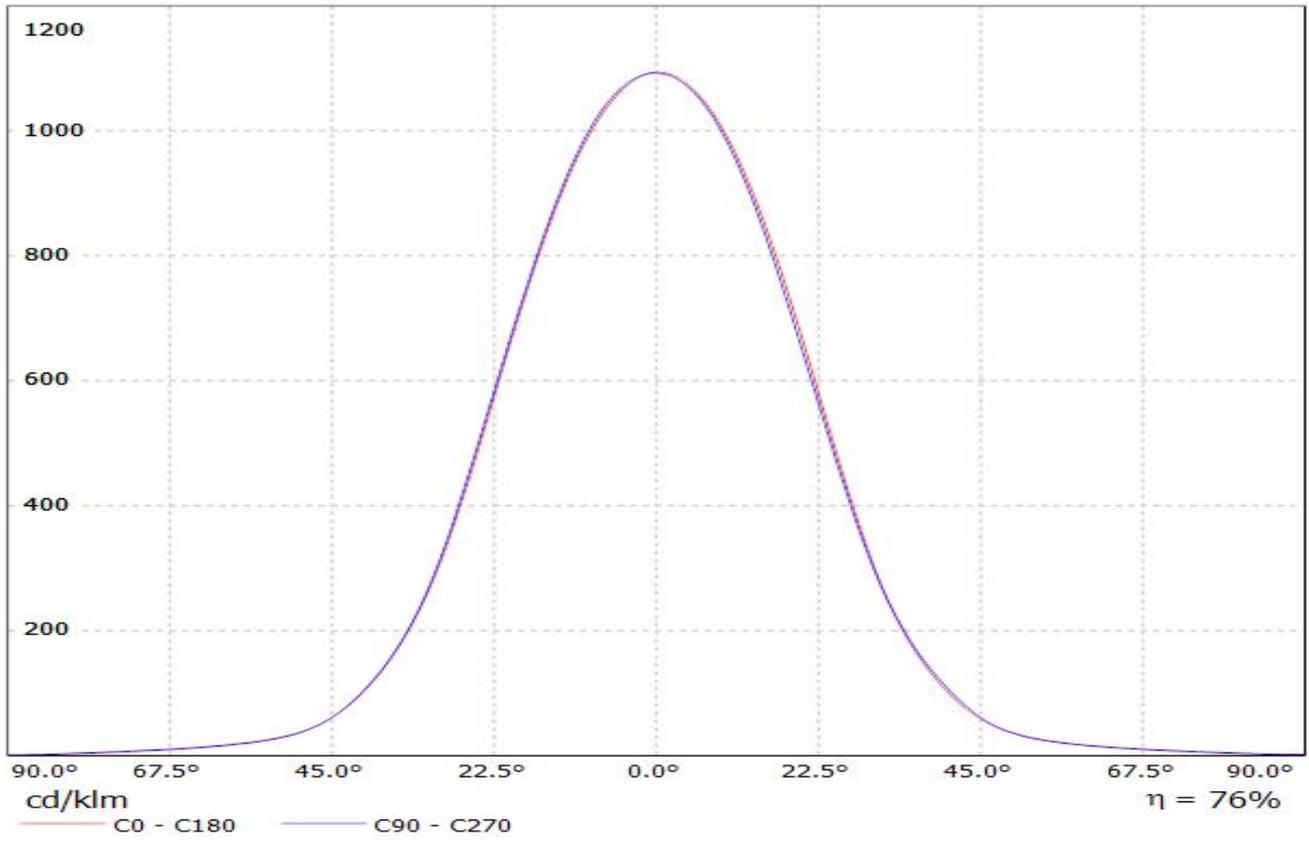
Luminaire: Ledil C12502_MIRA-WW_(MHD-G)
Lamps: 1 x Cree MHD-G_530.44lm@100mA_P=3.0W_I=0.100A



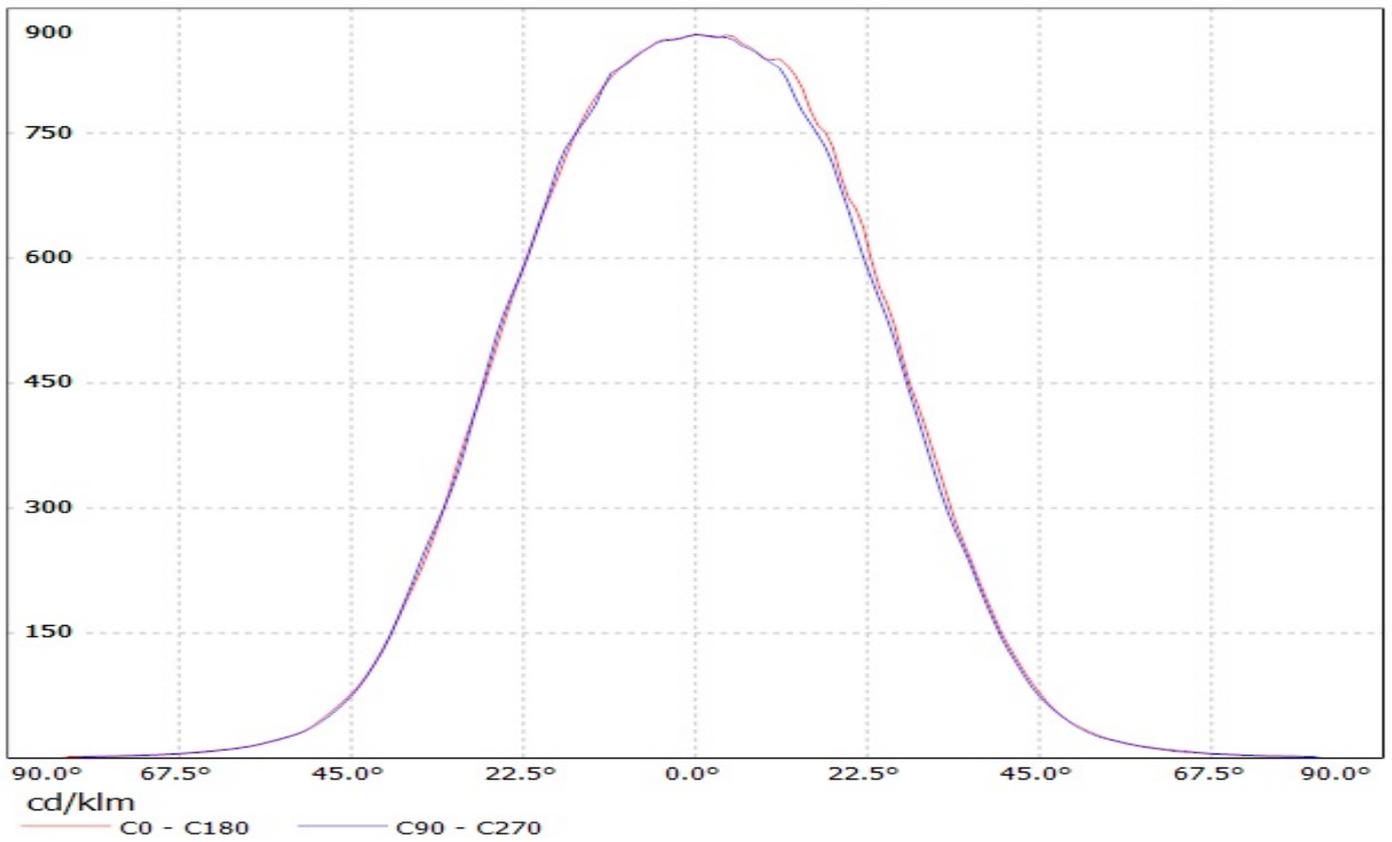
Luminaire: LEDil Oy C12502_MIRA-WW_(Luxeon_MZ) Efficiency=81%
Lamps: 1 x Philips Lumileds Luxeon MZ (389lm @ 250mA) CCT=3800K P=2.8W I=250mA



Luminaire: LEDiL Oy C12502_MIRA-WW_(NSMx286M) Eff.76.1%
Lamps: 1 x NICHIA NSMx286M (NSML286ME) 335.256lm@100mA CCT=3000K P=3.39527W I=99.3mA

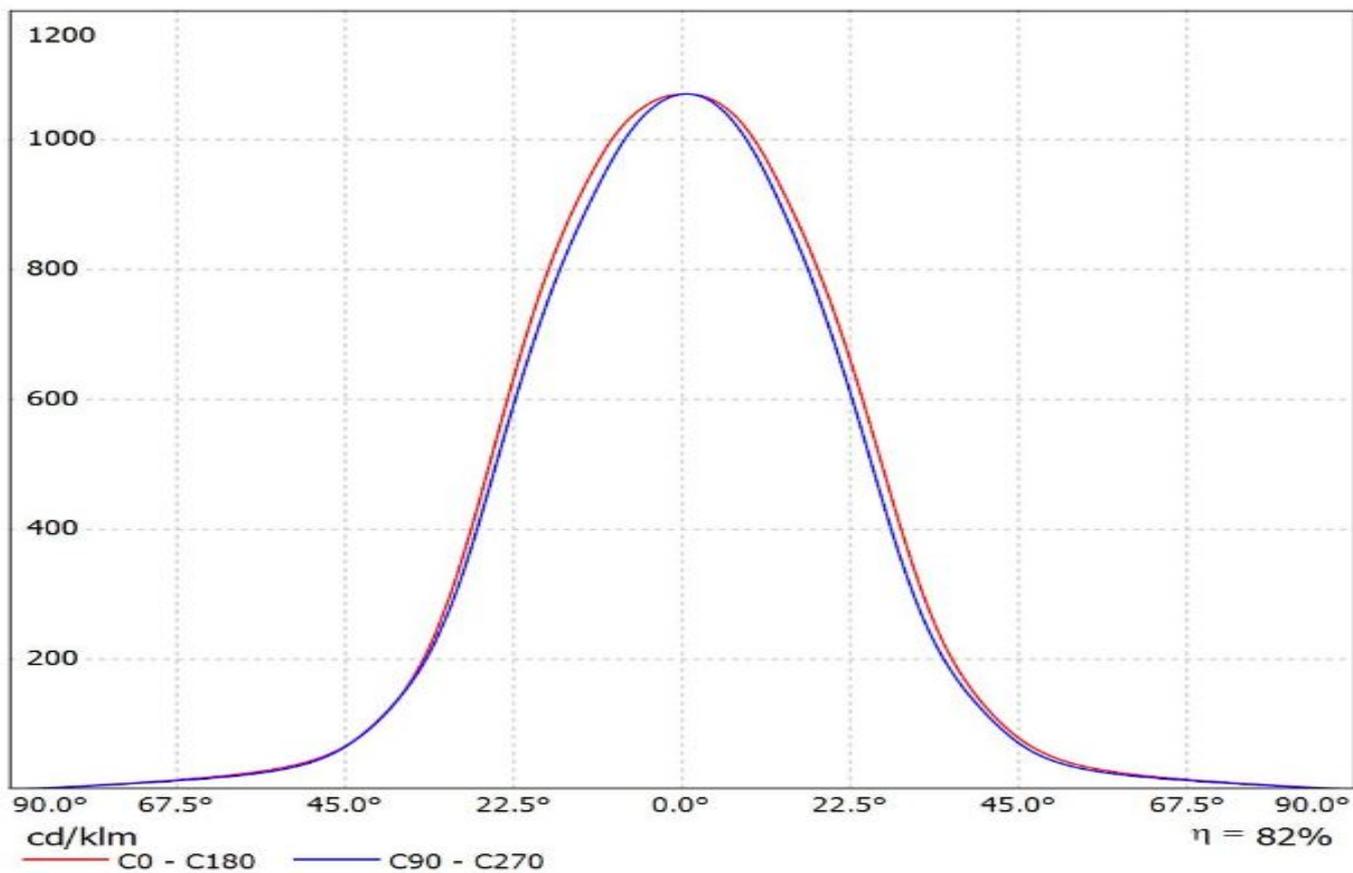


Luminaire: Ledil Oy C12502_MIRA-WW (Nichia NSCxL036A 434lm @ 100mA) Efficiency=79%
Lamps: 1 x Nichia NSCxL036A 434lm @ 100mA (NSCLL036A) CCT=3000K P=3,4W I=100mA

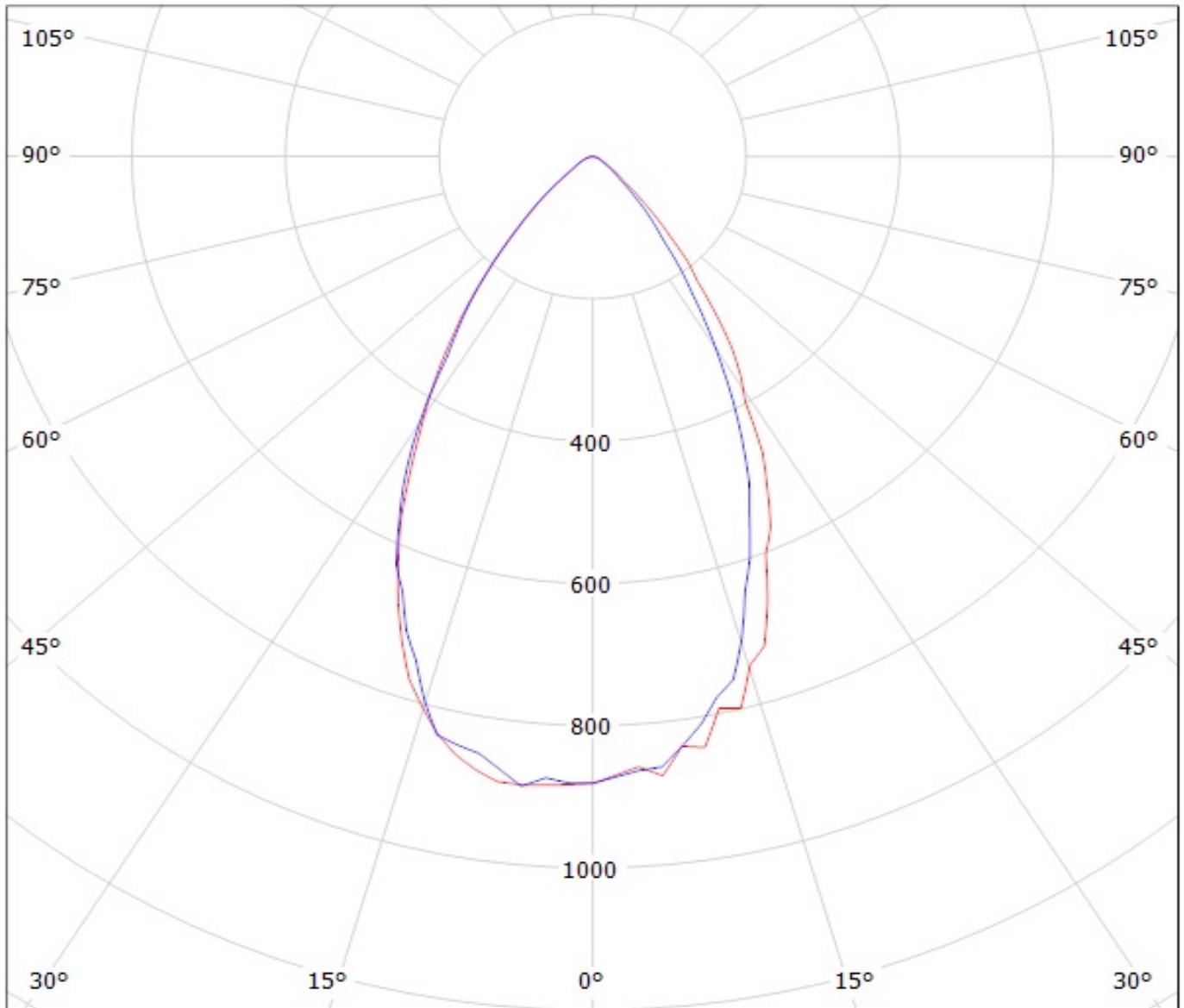


Luminaire: LEDiL Oy C12502_MIRA-WW_(NFMX48xAR_14chip)

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



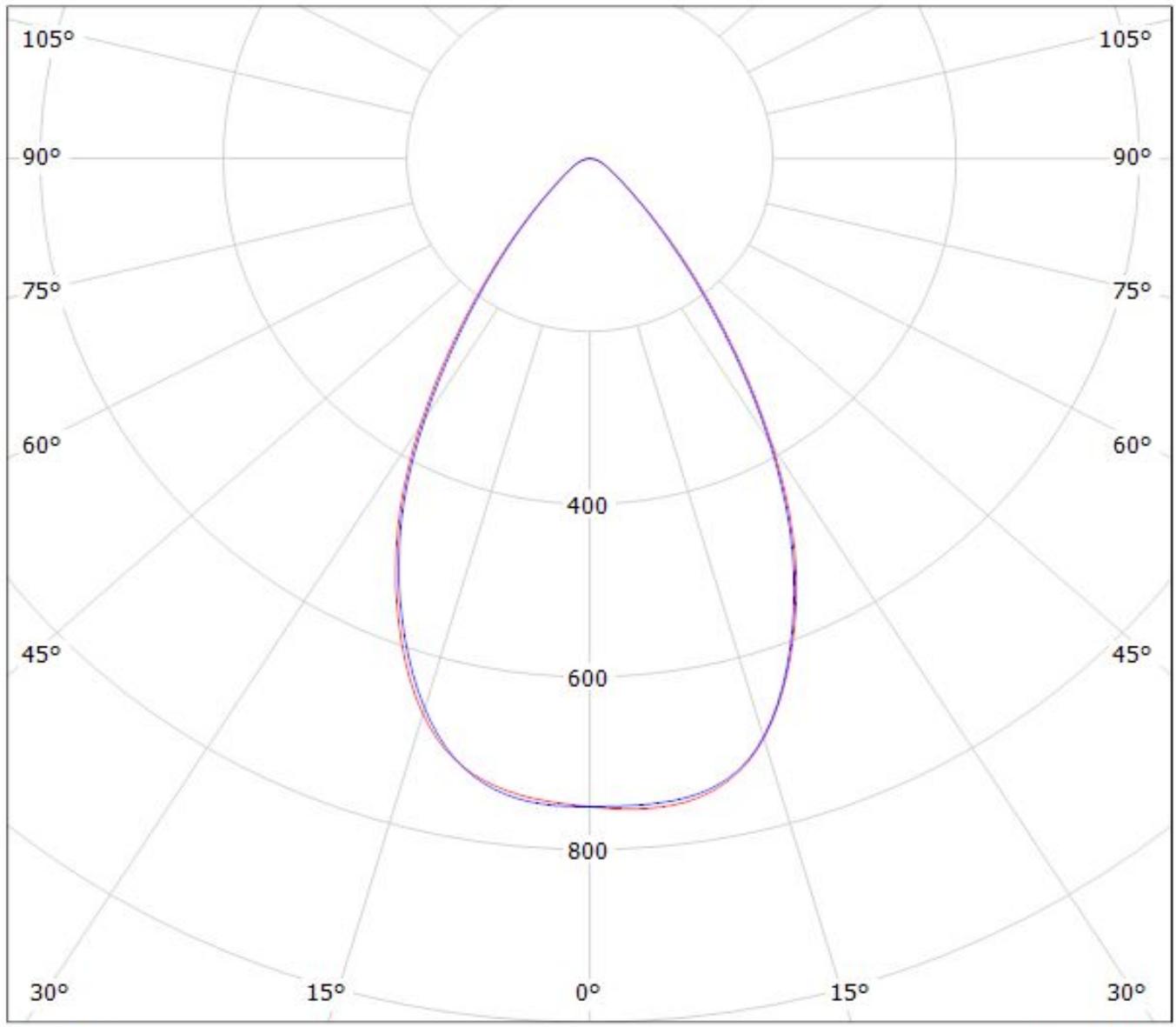
Luminaire: Ledil Oy C12502-Mira-WW (Cree MT-G 714lm @ 250mA) Efficiency=81%
Lamps: 1 x Cree MT-G 714lm @ 250mA



cd/klm
— C0 - C180 — C90 - C270

Luminaire: LEDiL Oy C12502_MIRA-WW_(XHP70)

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



cd/klm

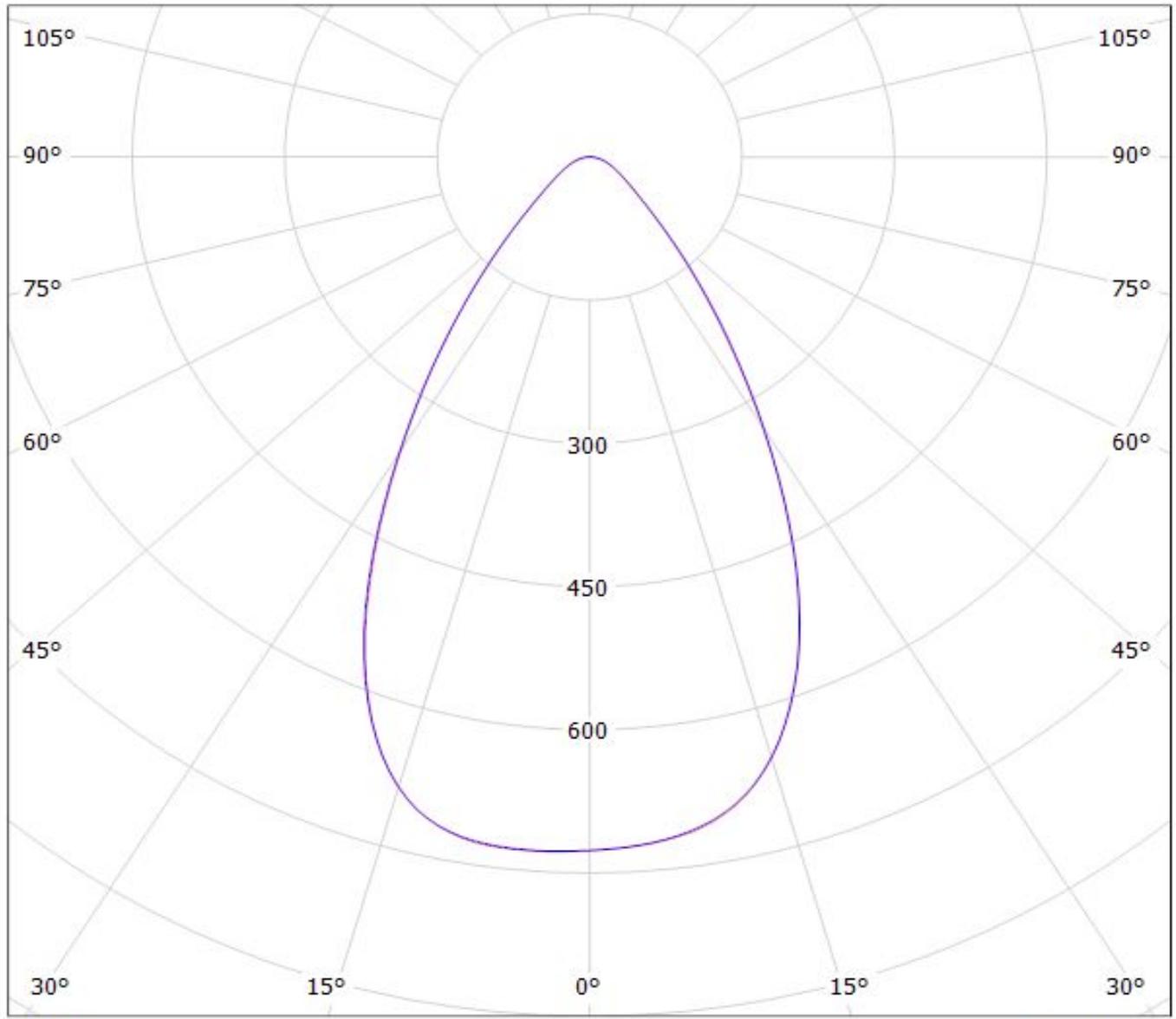
— C0 - C180

— C90 - C270

$\eta = 82\%$

Luminaire: Ledil C12502_MIRA-WW_(MHD-G)

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

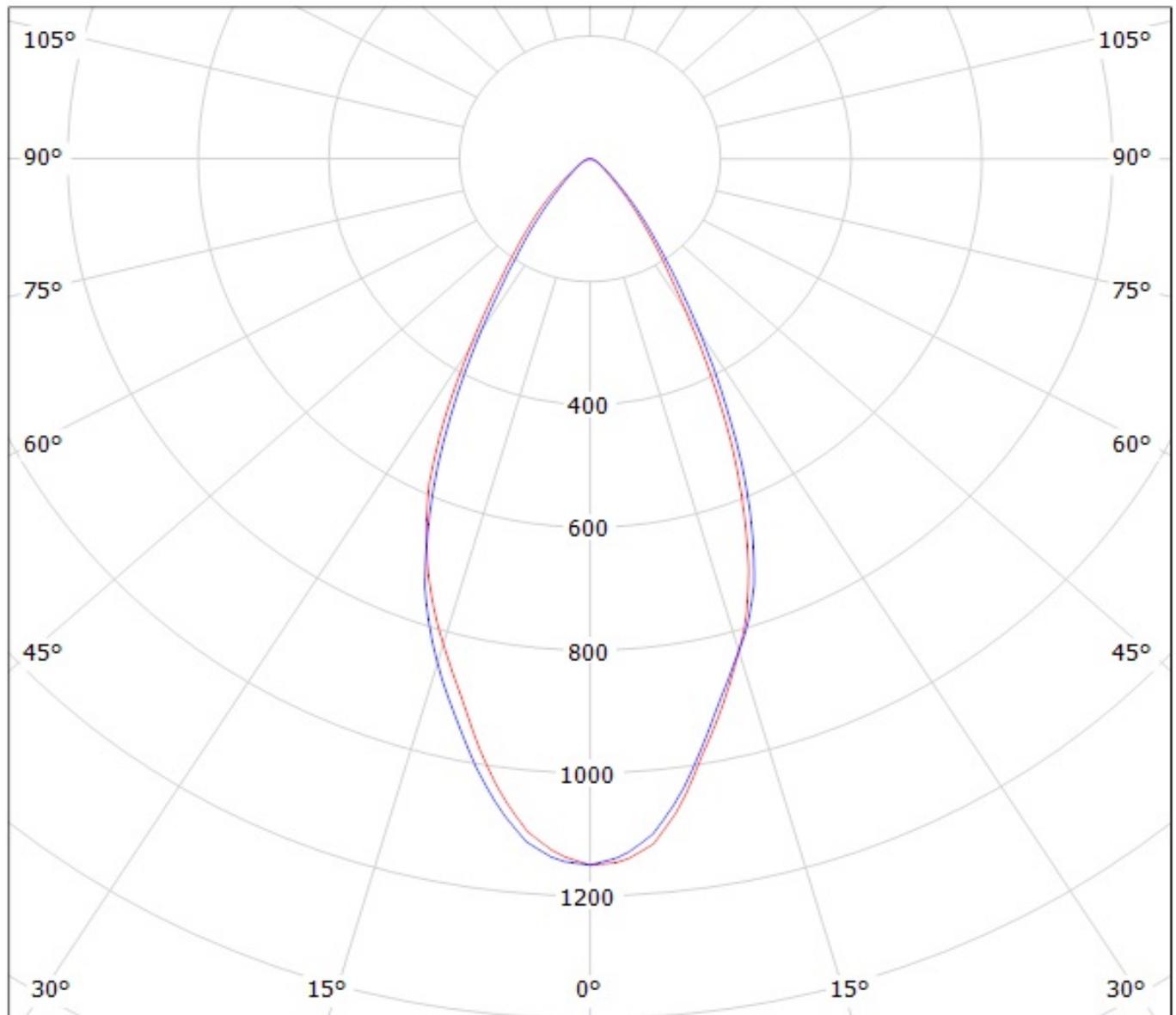


cd/klm

— C0 - C180 — C90 - C270

η = 81%

Luminaire: LEDil Oy C12502_MIRA-WW_(Luxeon_MZ) Efficiency=81%
Lamps: 1 x Philips Lumileds Luxeon MZ (389lm @ 250mA) CCT=3800K P=2.8W I=250mA



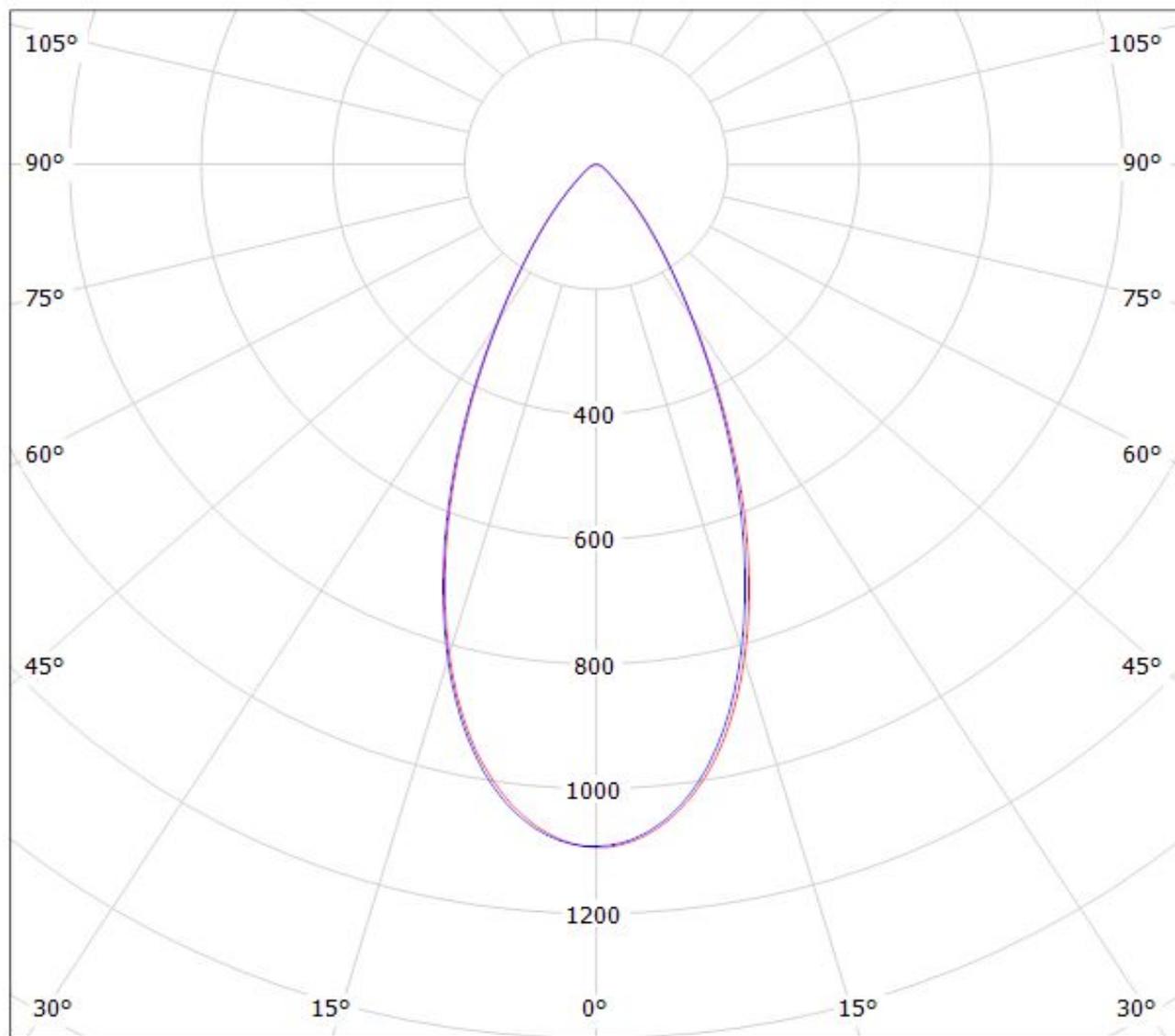
cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy C12502_MIRA-WW_(NSMx286M) Eff.76.1%

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



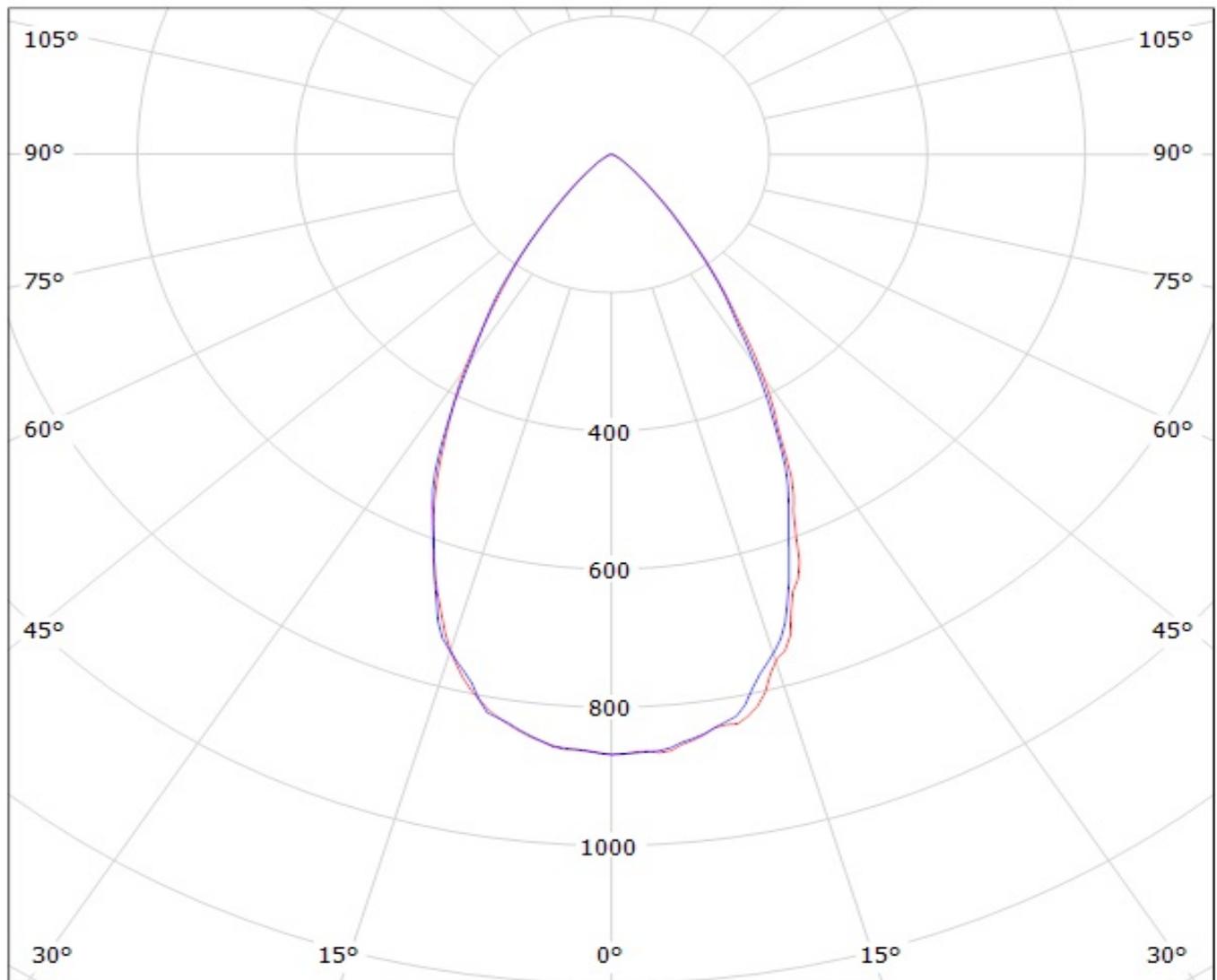
cd/klm

— C0 - C180

— C90 - C270

$\eta = 76\%$

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Lamps: 1 x Nichia NSCxL036A 434lm @ 100mA (NSCLL036A) CCT=3000K P=3,4W I=100mA



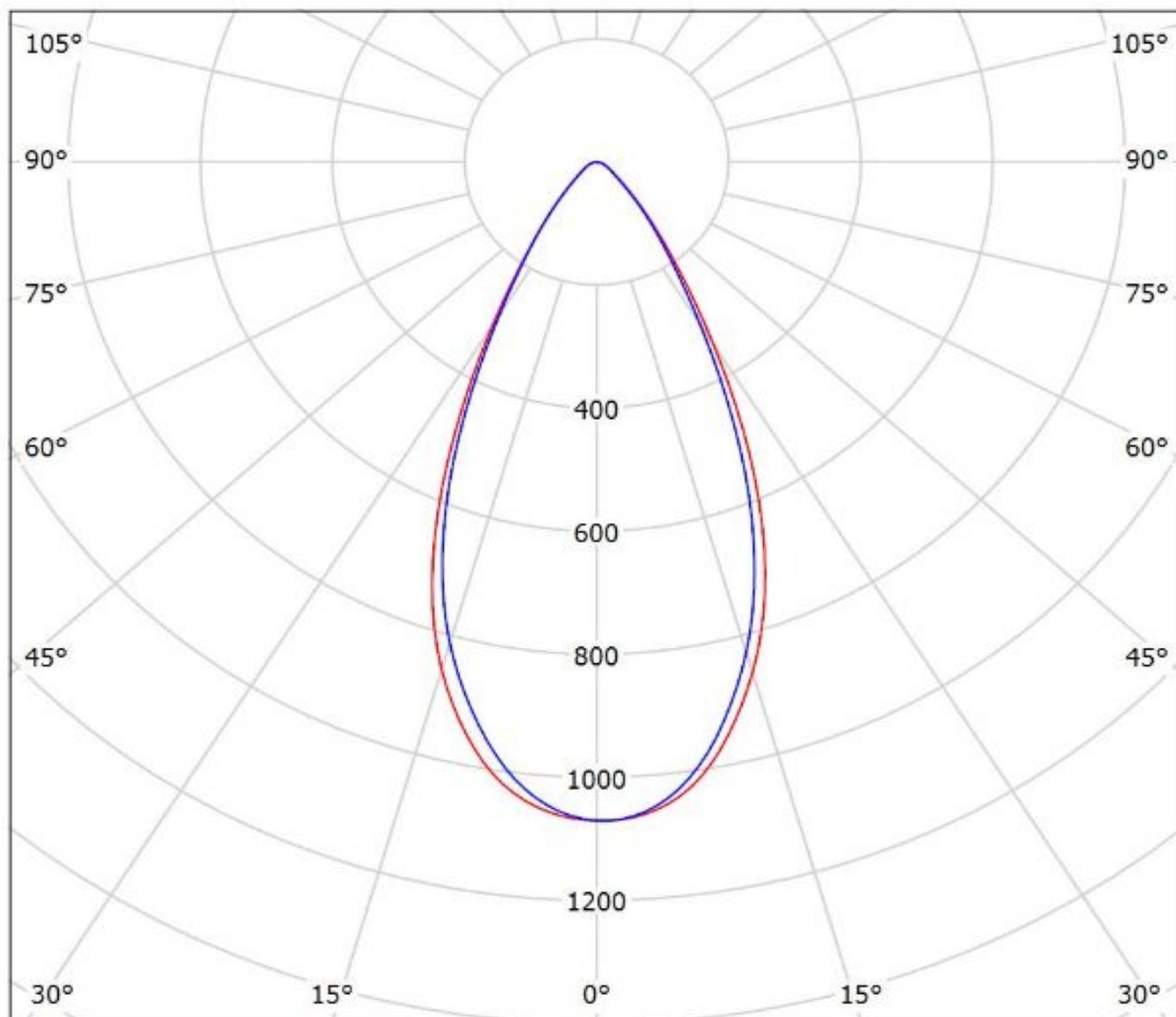
cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy C12502_MIRA-WW_(NFMX48xAR_14chip)

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



cd/klm

— C0 - C180 — C90 - C270

$\eta = 82\%$

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.