

DETAILS

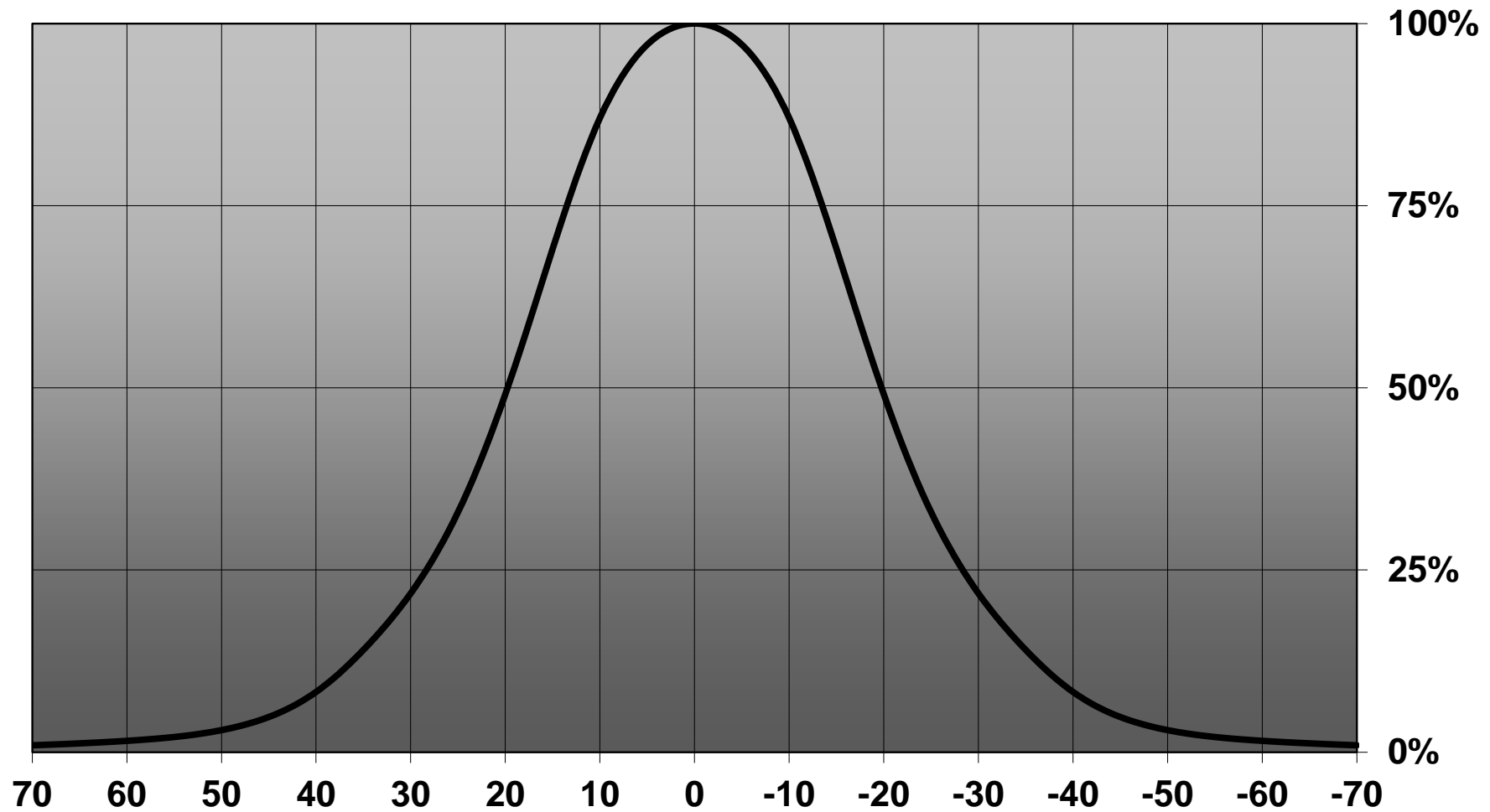
Product Number	C12501_MIRA-W
Family	Mira
Type	Lens
Color	clear
Diameter	32,4 mm
Height	14,7 mm
Style	round
Optic Material	PC
Holder Material	
Fastening	
Status	production ready
ROHS Compliant	Yes
Date Updated	2/07/2015

OPTICAL PROPERTIES

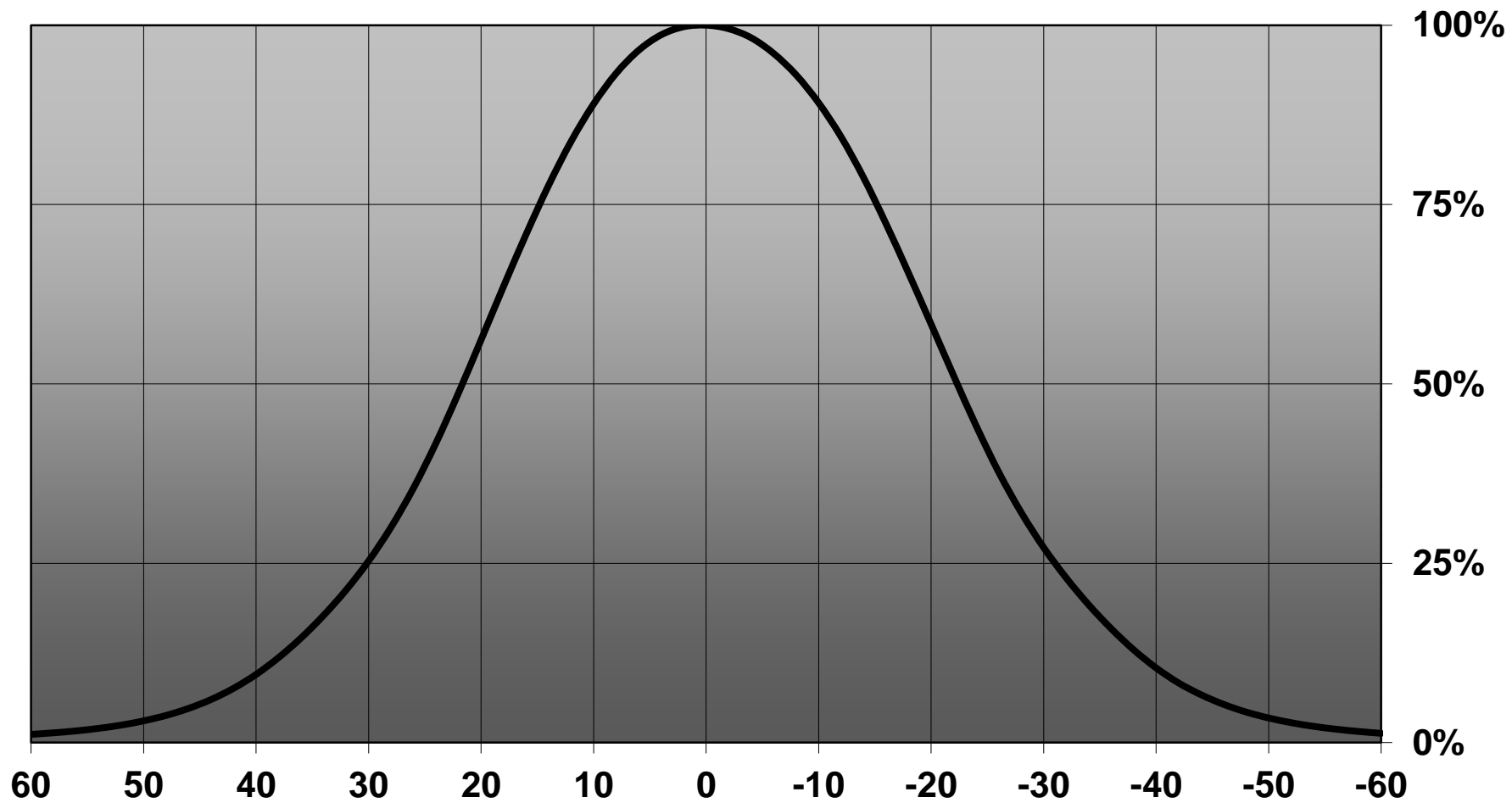
LED	Viewing	Light	Effi-		Connector
	Angle	Beam	ciency	cd/lm	
BXRA ES Star	39 deg	Wide	82 %	-	-
V10 Gen6	44 deg	Wide	77 %	1.250	-
MT-G	38 deg	Wide	80 %	1.400	-
CXA/B 15xx	39 deg	Wide	80 %	1.400	-
XHP70	42 deg	Wide	80 %	1.200	-
MHD-E/G	43 deg	Wide	81 %	1.100	-
LUXEON M/MX	39 deg	Wide	82 %	-	-
LUXEON K4	sim: 34	Wide	sim: 87 %	sim: 1.800	-
LUXEON MZ	31 deg	Wide	79 %	2.000	-
LUXEON 5258	sim: 31	Wide	sim: 92 %	sim: 2.300	-
NSMx286M	28 deg	Wide	77 %	2.090	-
NSCxL036A	42 deg	Wide	79 %	1.300	-
NFMW48xA	32 deg	Wide	80 %	1.800	-
Solერიq P6	36 deg	Wide	77 %	1.650	-
Solერიq P9	40 deg	Wide	77 %	1.370	-
Duris S10	34 deg	Wide	83 %	1.900	-
Duris P10	sim: 51	Wide	sim: 91 %	sim: 1.080	-



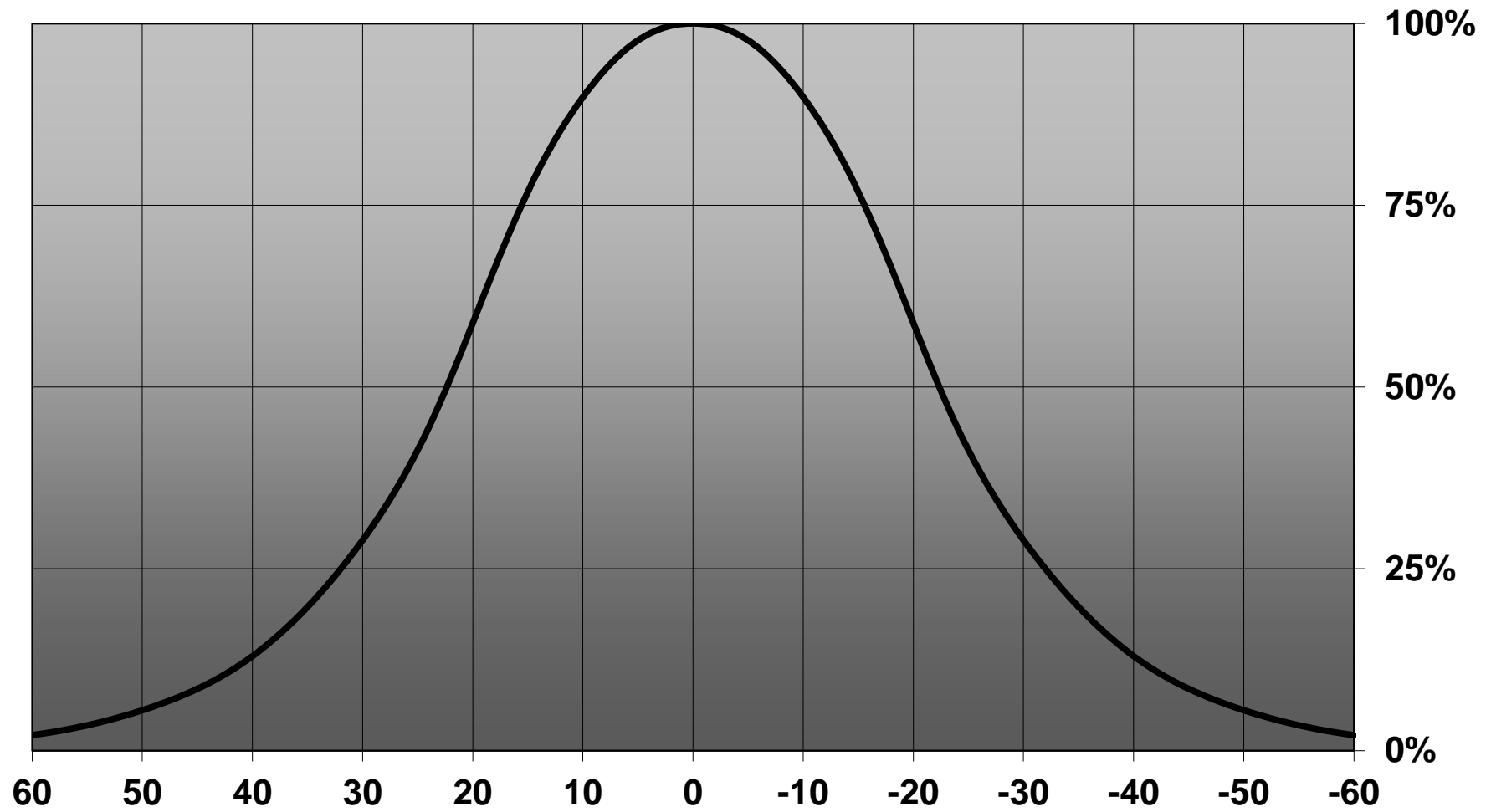
Relative intensity of C12501_MIRA-W (BXRA-W0400)



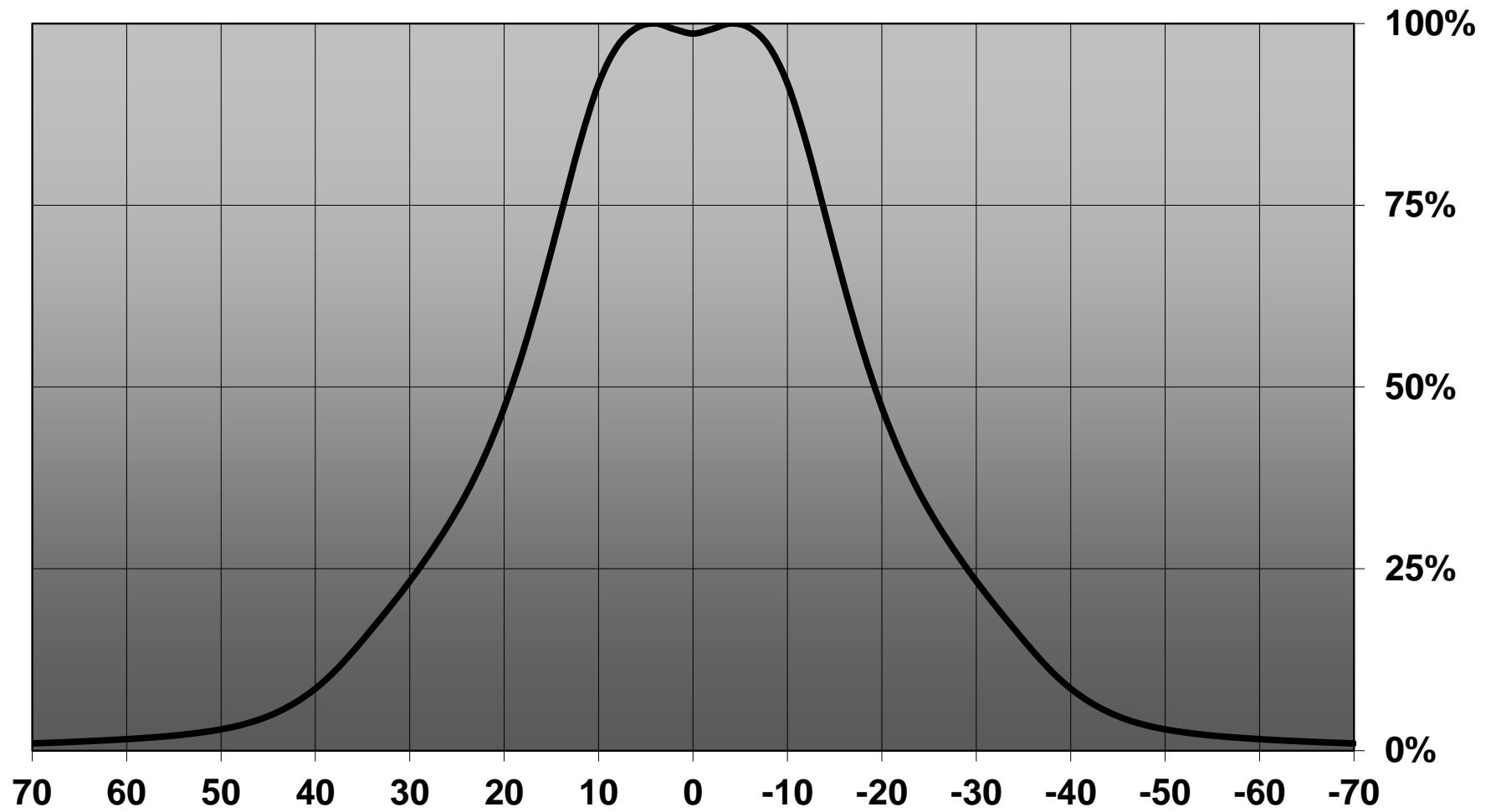
Relative intensity of C12501_MIRA-W_(V10)



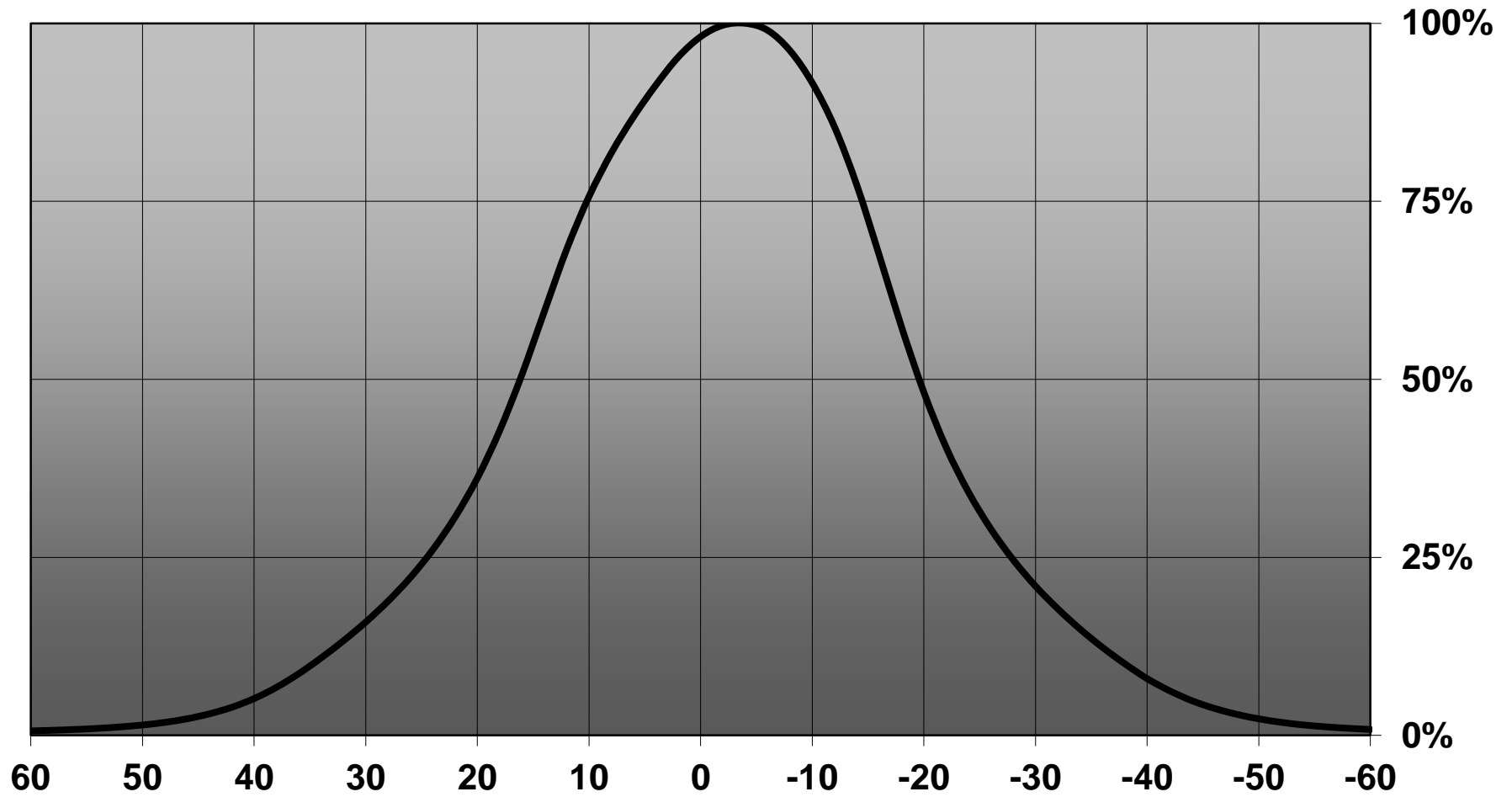
Relative intensity of C12501_MIRA-W



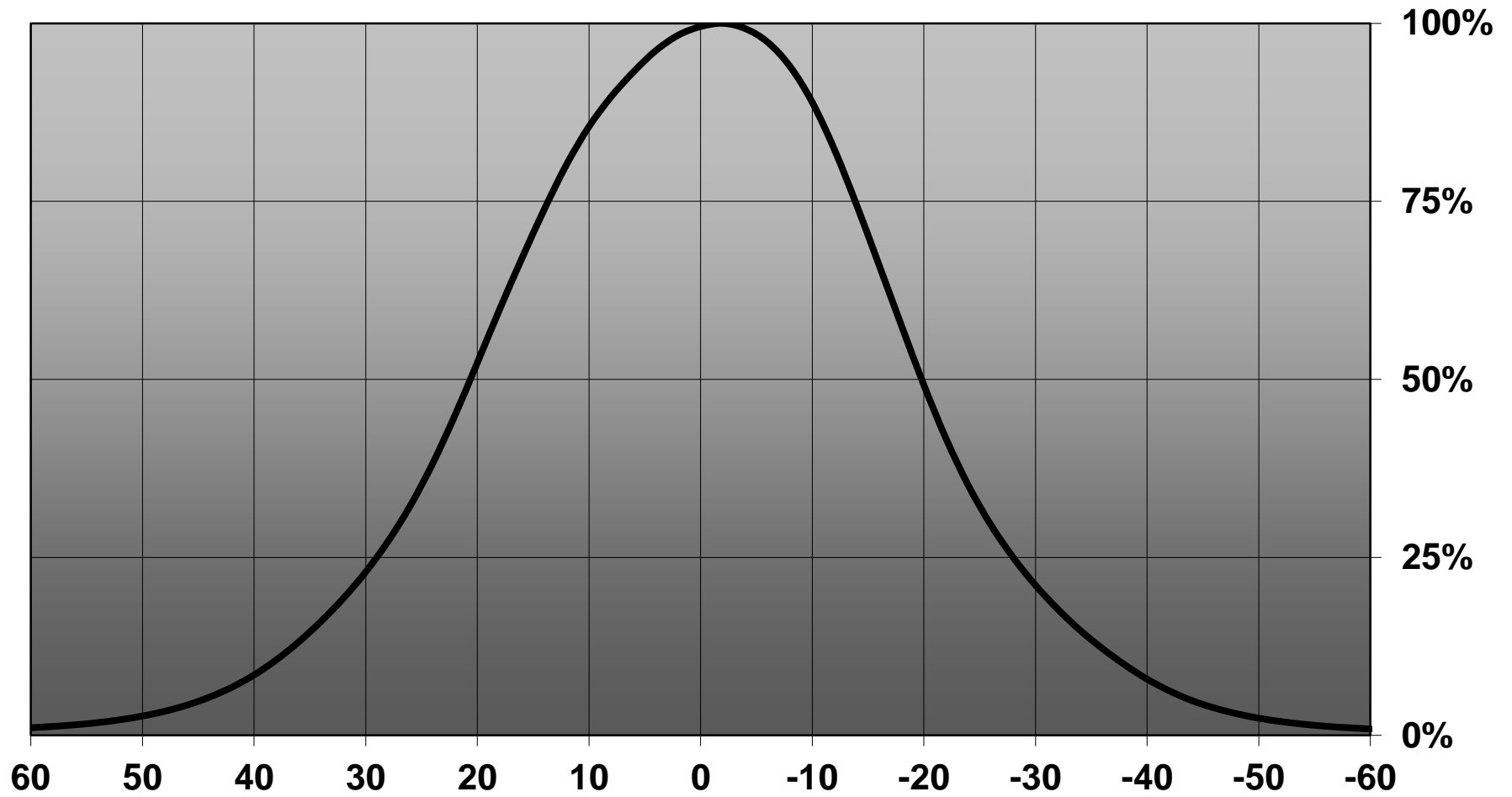
Relative intensity of C12501_MIRA-W



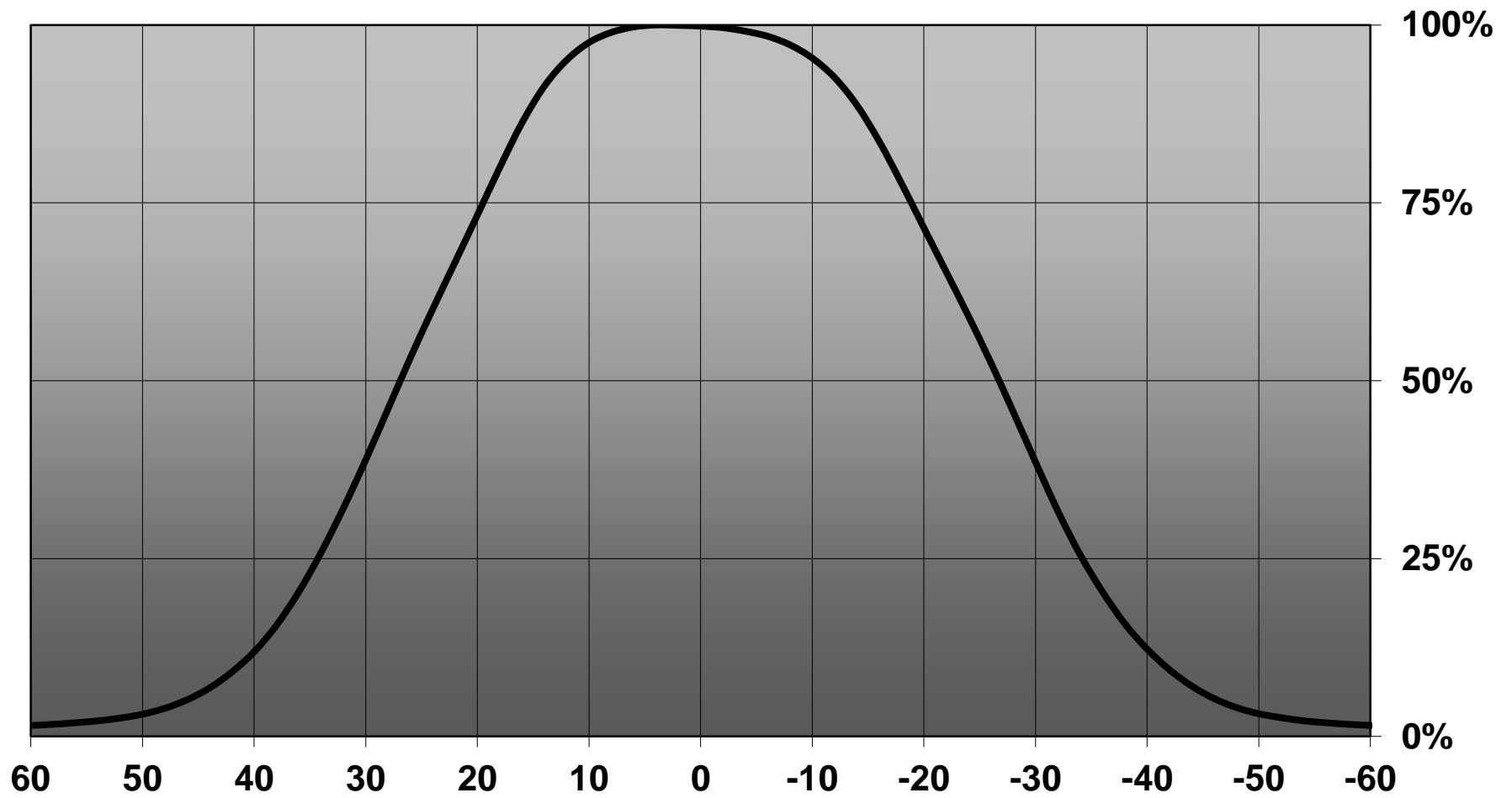
Relative intensity of C12501_MIRA-W_(Soleriq P6)

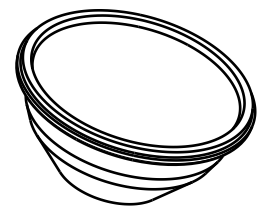


Relative intensity of C12501_MIRA-W_(Soleriq P9)

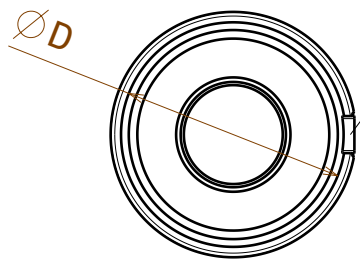


Relative intensity of C12501_MIRA-W_(Duris_S10)



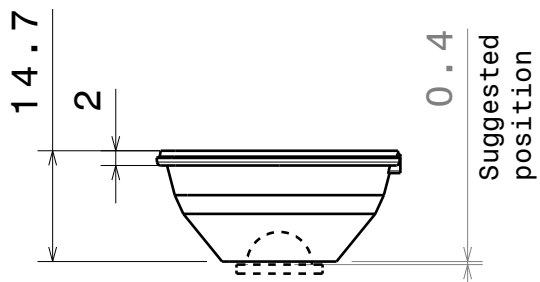


Isometric view

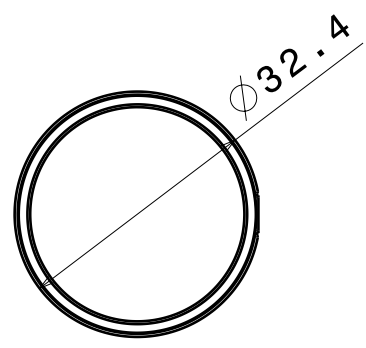


Bottom view

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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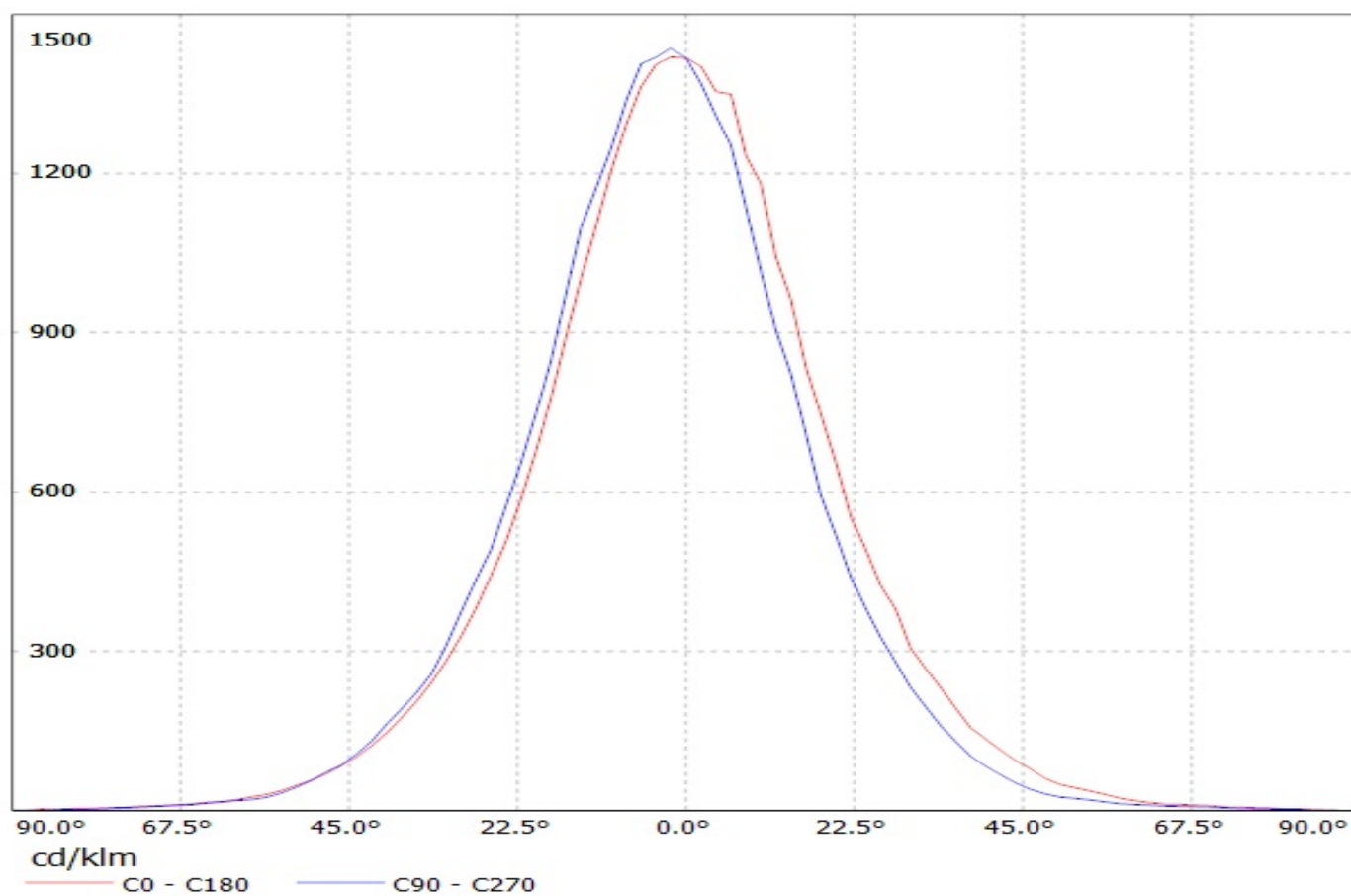
Ledil Oy
 Salorankatu 10
 FIN 24240 SALO
 Finland

DRAWING TITLE

Datasheet MIRA lens

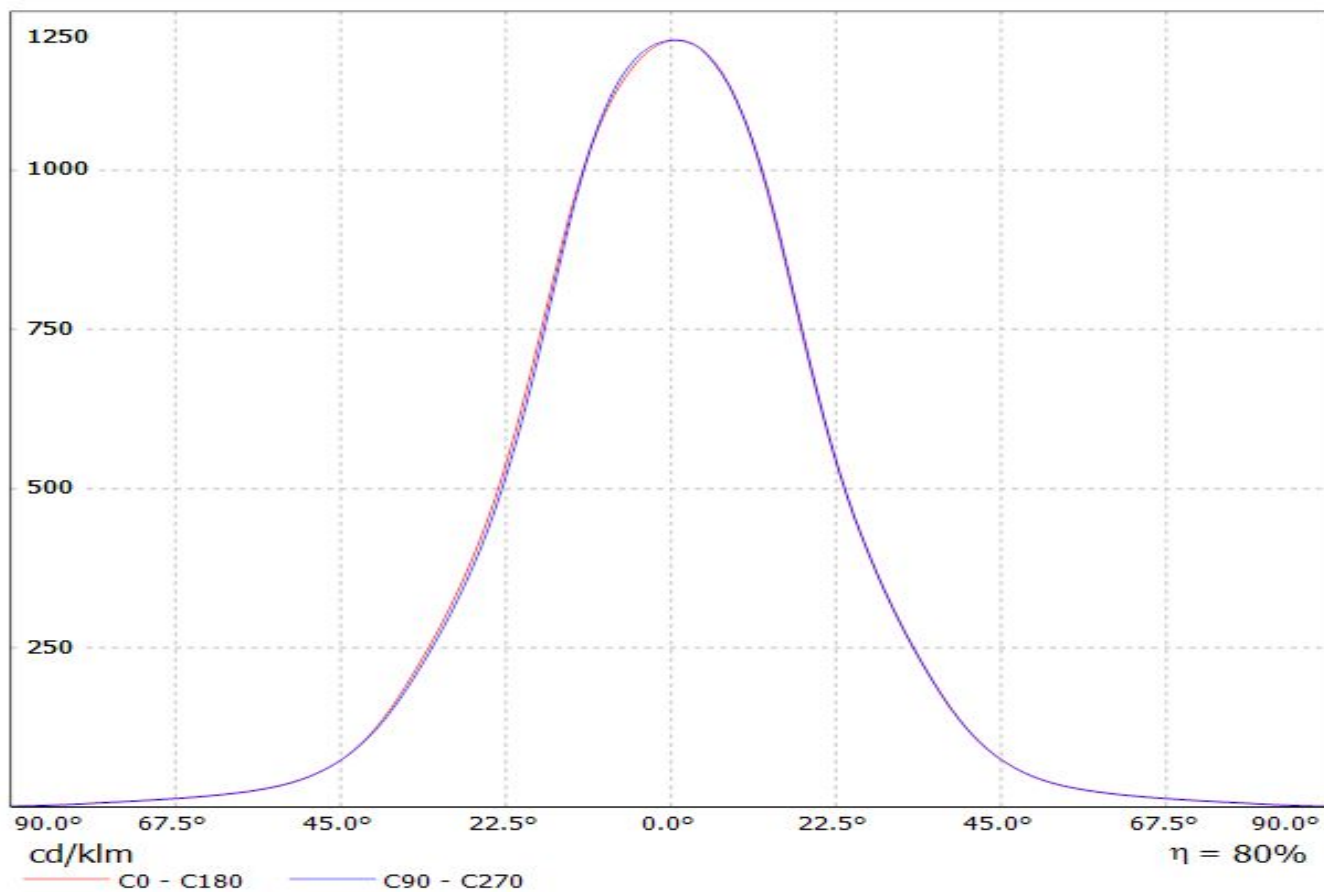
DRAWN BY mav		DATE 02.04.2012		DRAWING NUMBER -				REV 1	
CHECKED BY sn		DATE 02.04.2012						SIZE A4	SHEET 1 / 1
DESIGNED BY mav		DATE 29.11.2011		SCALE 1:1	WEIGHT (g)				

Luminaire: Ledil Oy C12501-Mira-W (Cree MT-G 714lm @ 250mA) Efficiency=80%
Lamps: 1 x Cree MT-G 714lm @ 250mA

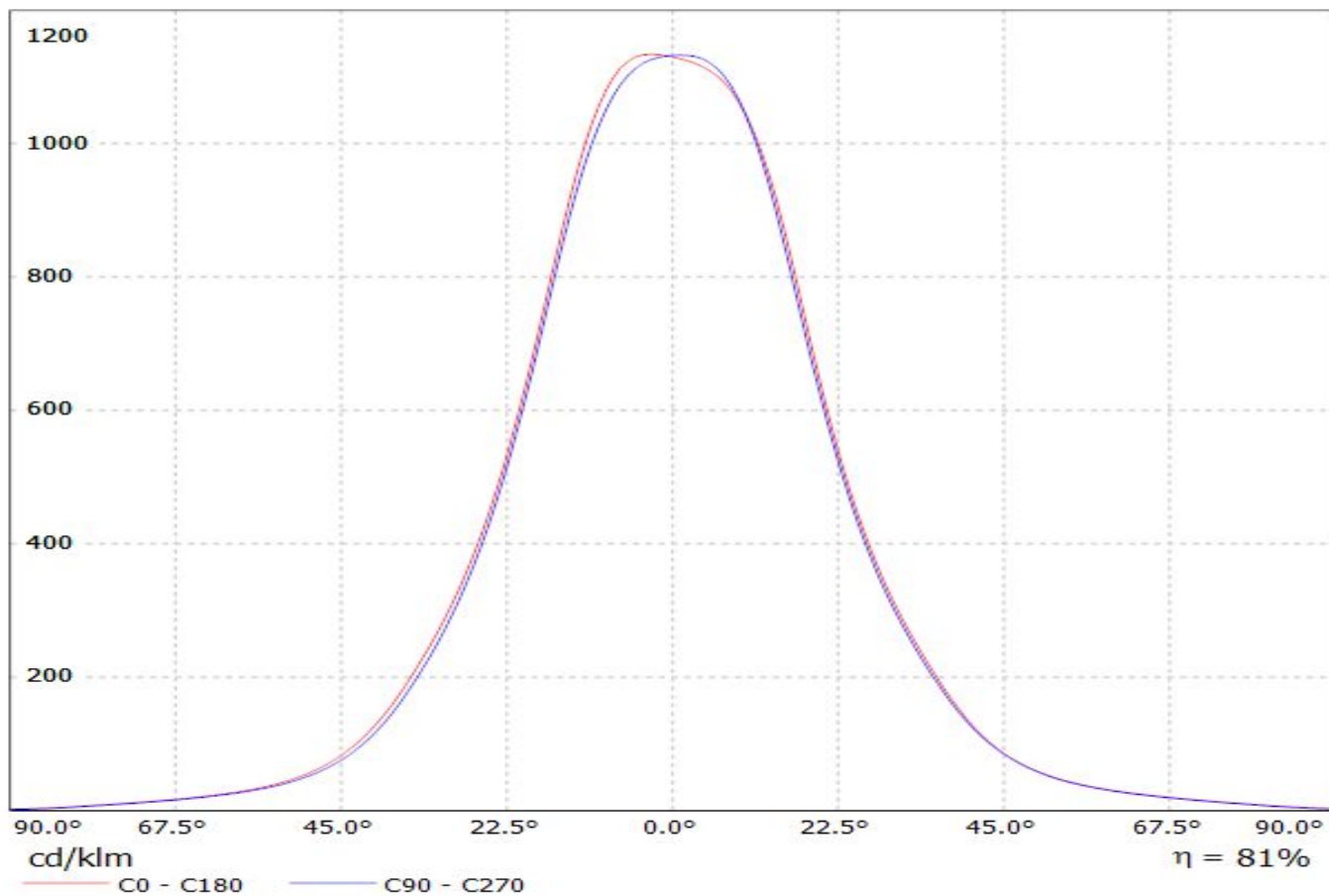


Luminaire: LEDiL Oy C12501_MIRA-W_(XHP70)

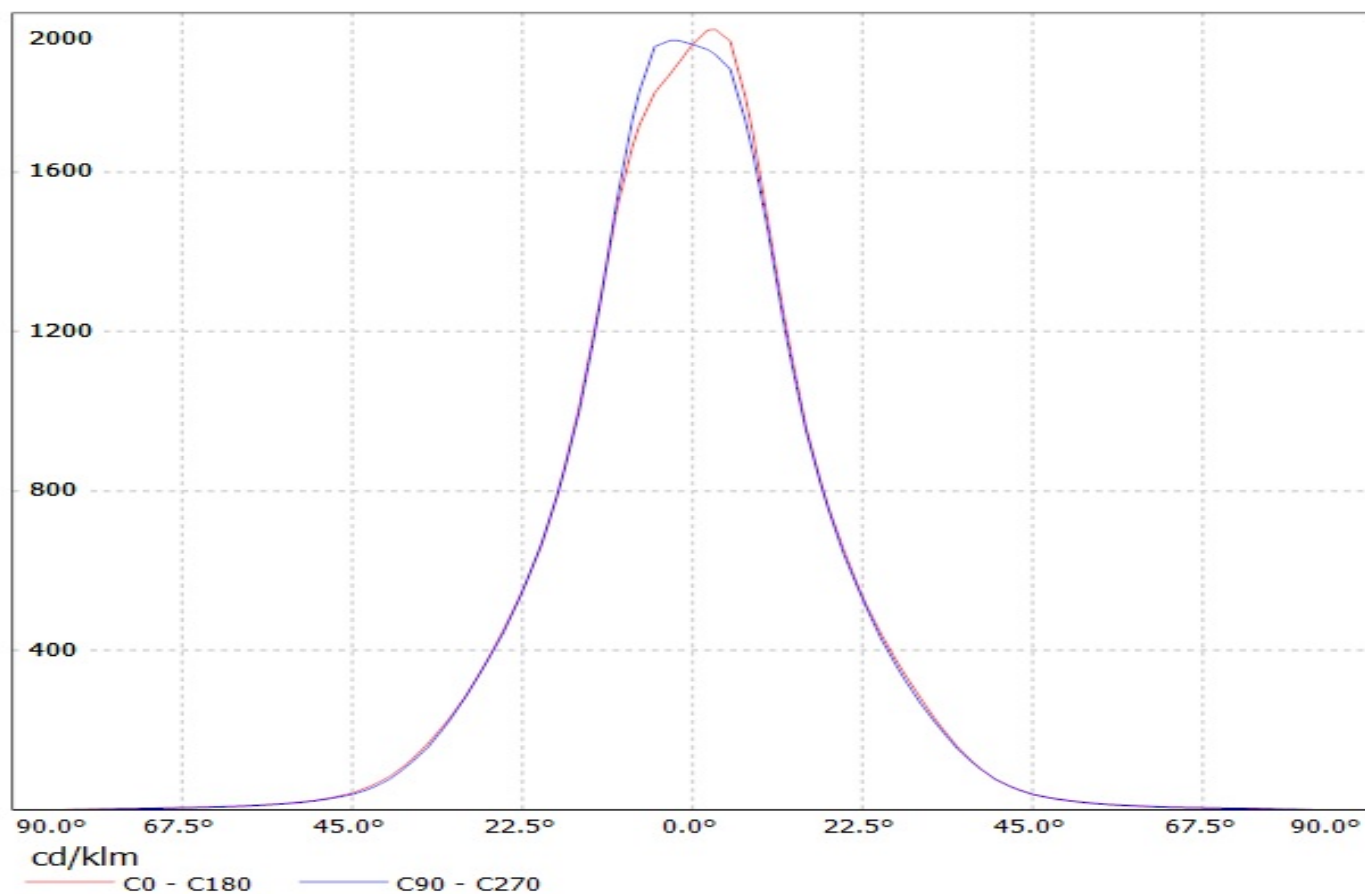
Lamps: 1 x Cree_XHP70_261.415lm@250mA_P=1.38207W_I=249.9mA



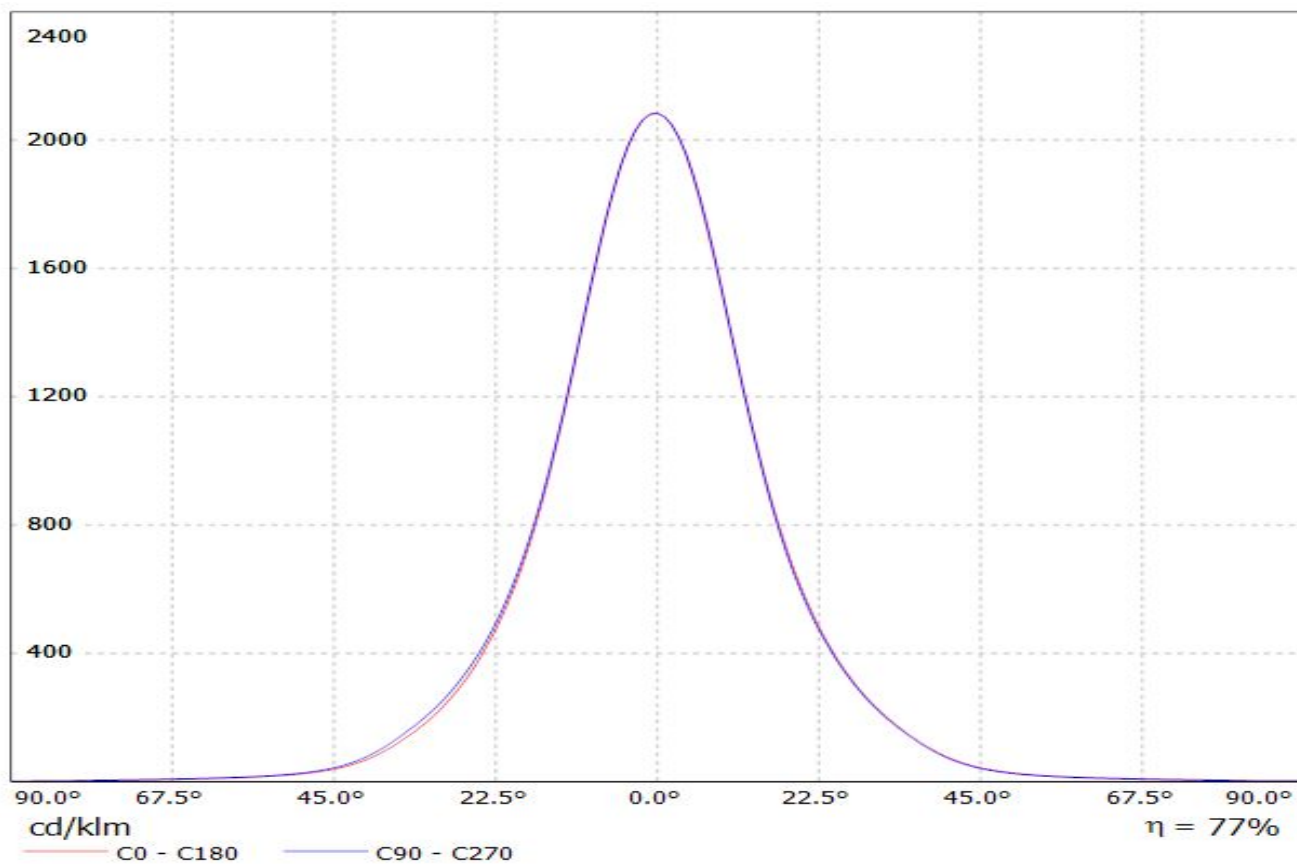
Luminaire: Ledil C12501_MIRA-W_(MHD-G)
Lamps: 1 x Cree MHD-G_530.44lm@100mA_P=3.0W_I=0.100A



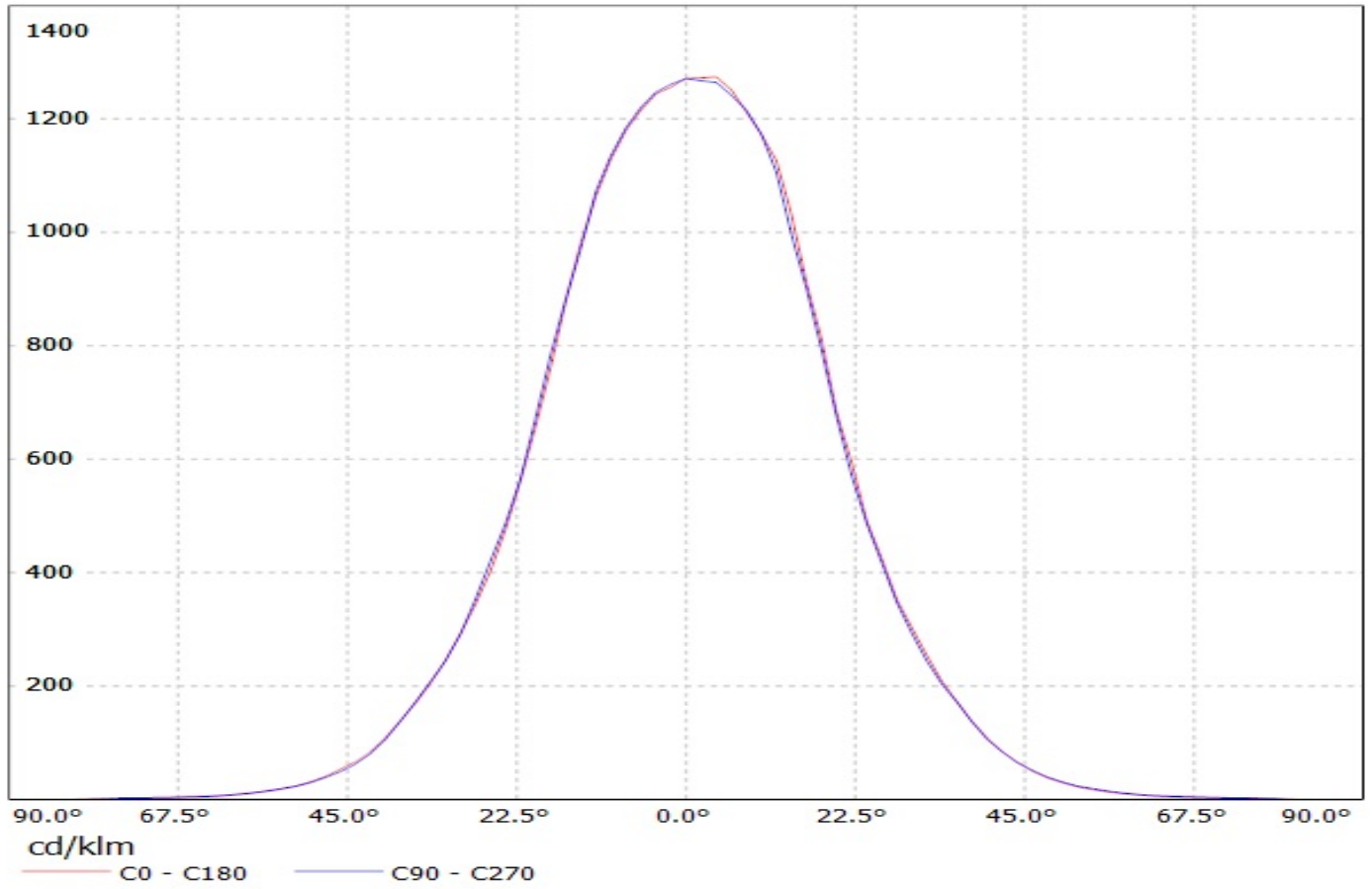
Luminaire: LEDil Oy C12501_MIRA-W_(Luxeon_MZ) Efficiency=79%
Lamps: 1 x Philips Lumileds Luxeon MZ (389lm @ 250mA) CCT=3800K P=2.8W I=250mA



Luminaire: LEDiL Oy C12501_MIRA-W_(NSMx286M) Eff.76.9%
Lamps: 1 x NICHIA NSMx286M (NSML286ME) 335.256lm@100mA CCT=3000K P=3.39527W I=99.3mA

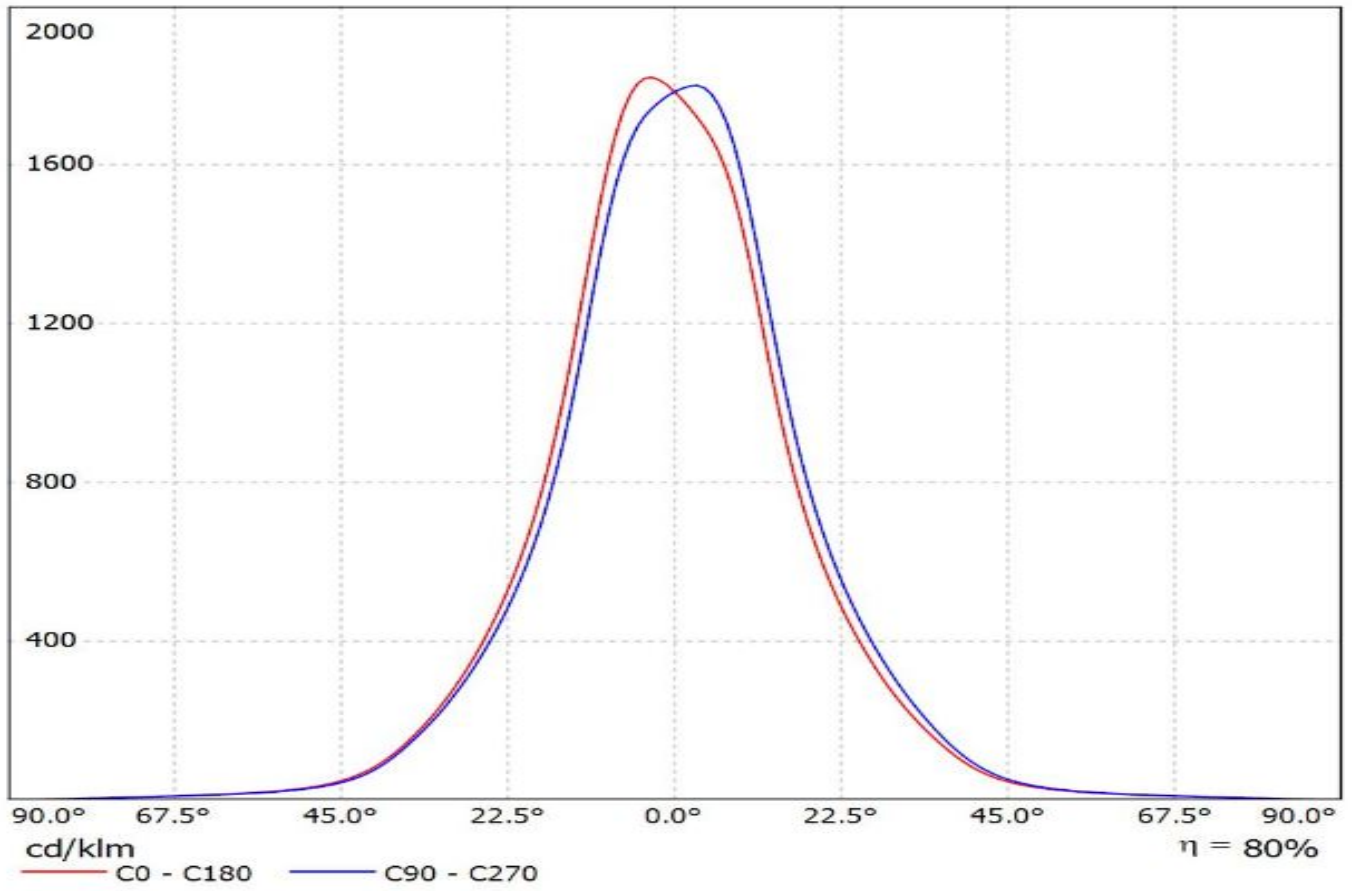


Luminaire: Ledil Oy C12501_MIRA-W (Nichia NSCxL036A 434lm @ 100mA) Efficiency=79%
Lamps: 1 x Nichia NSCxL036A 434lm @ 100mA (NSCLL036A) CCT=3000K P=3.4W I=100mA

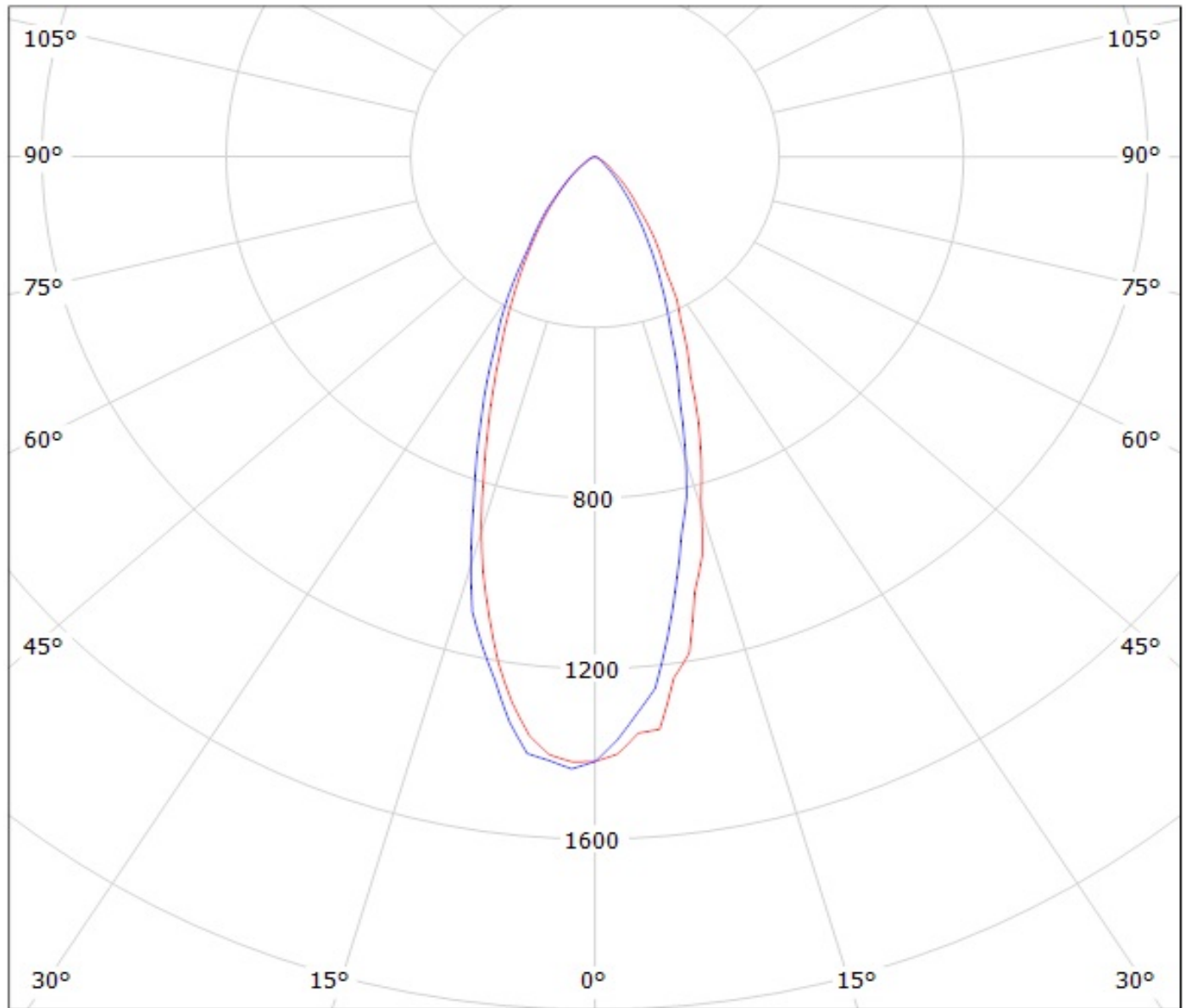


Luminaire: LEDiL Oy C12501_MIRA-W_(NFMX48xAR_14chip)

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



Luminaire: Ledil Oy C12501-Mira-W (Cree MT-G 714lm @ 250mA) Efficiency=80%
Lamps: 1 x Cree MT-G 714lm @ 250mA

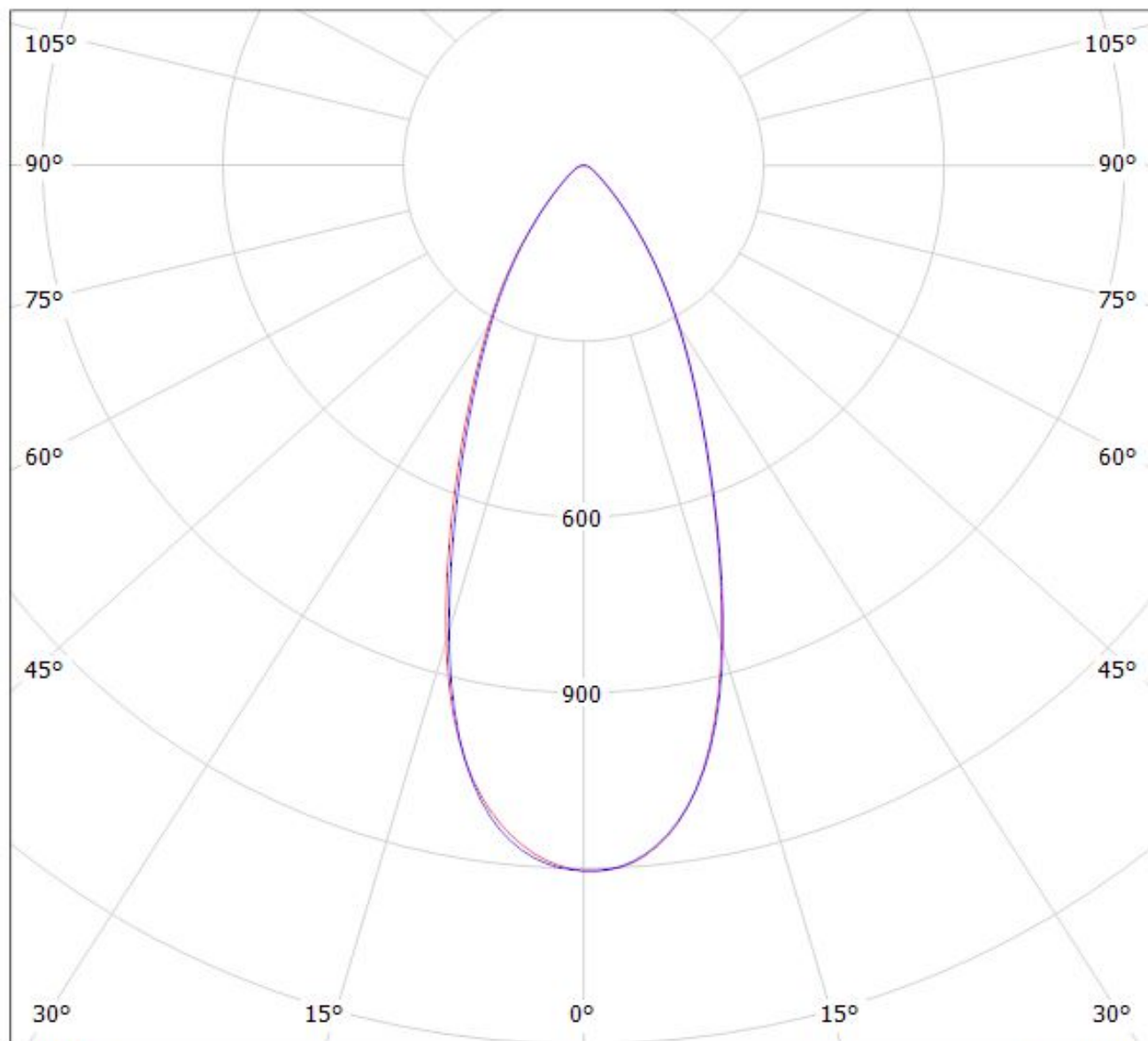


cd/klm

— C0 - C180 — C90 - C270

Luminaire: LEDiL Oy C12501_MIRA-W_(XHP70)

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



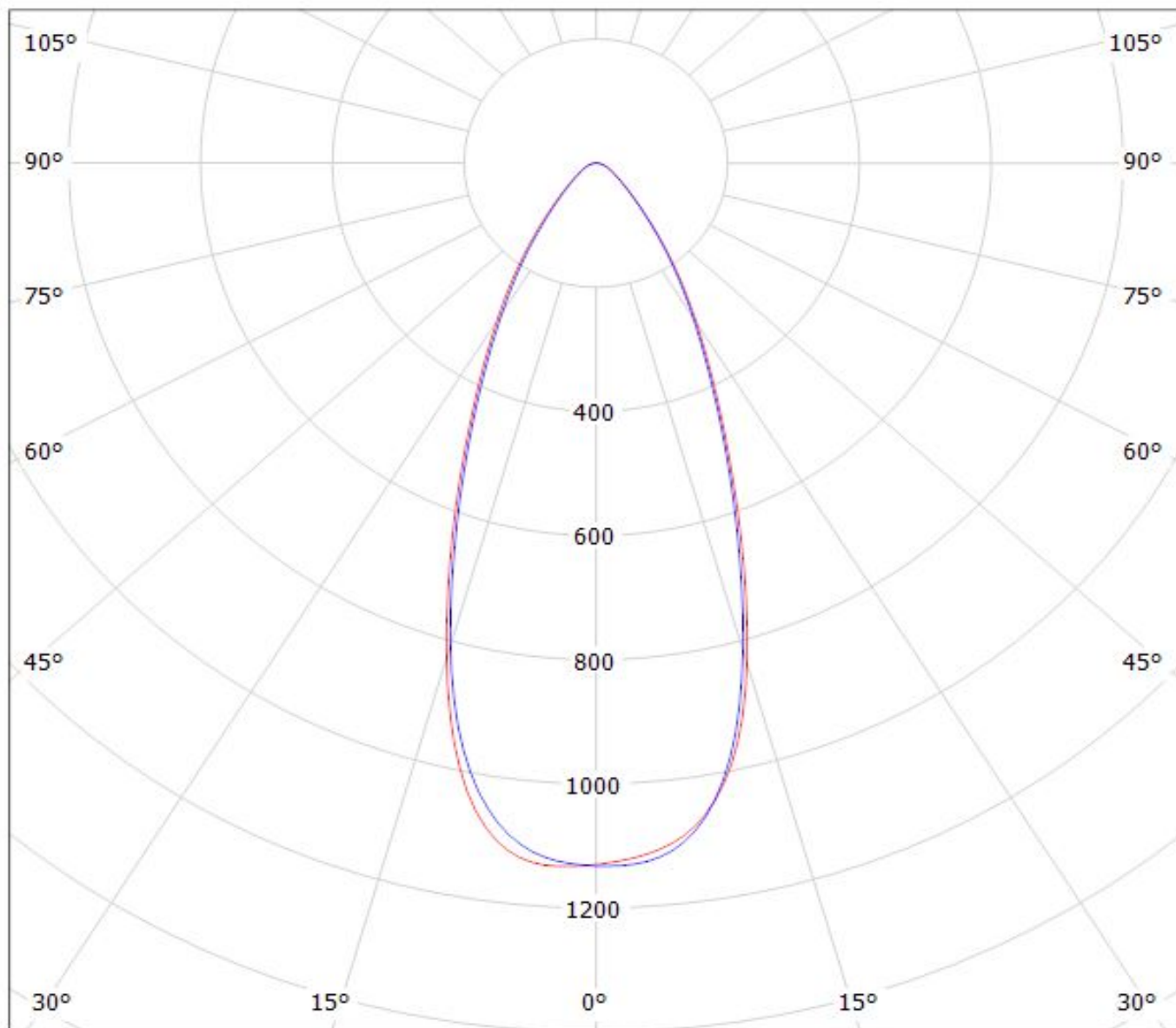
cd/klm

$\eta = 80\%$

— C0 - C180 — C90 - C270

Luminaire: Ledil C12501_MIRA-W_(MHD-G)

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



cd/klm

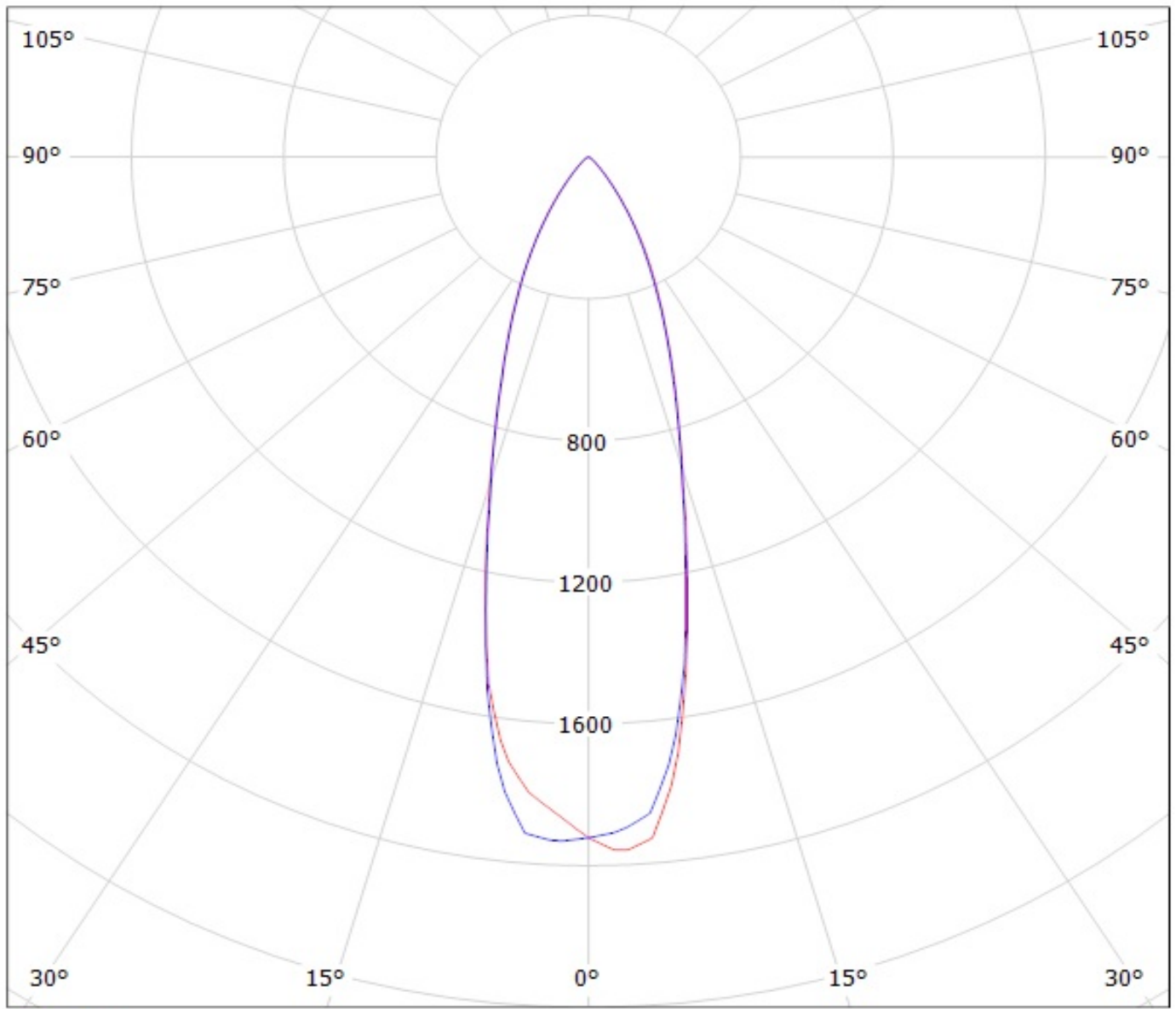
$\eta = 81\%$

— C0 - C180

— C90 - C270

Luminaire: LEDil Oy C12501_MIRA-W_(Luxeon_MZ) Efficiency=79%

Lamps: 1 x Philips Lumileds Luxeon MZ (389lm @ 250mA) CCT=3800K P=2.8W I=250mA



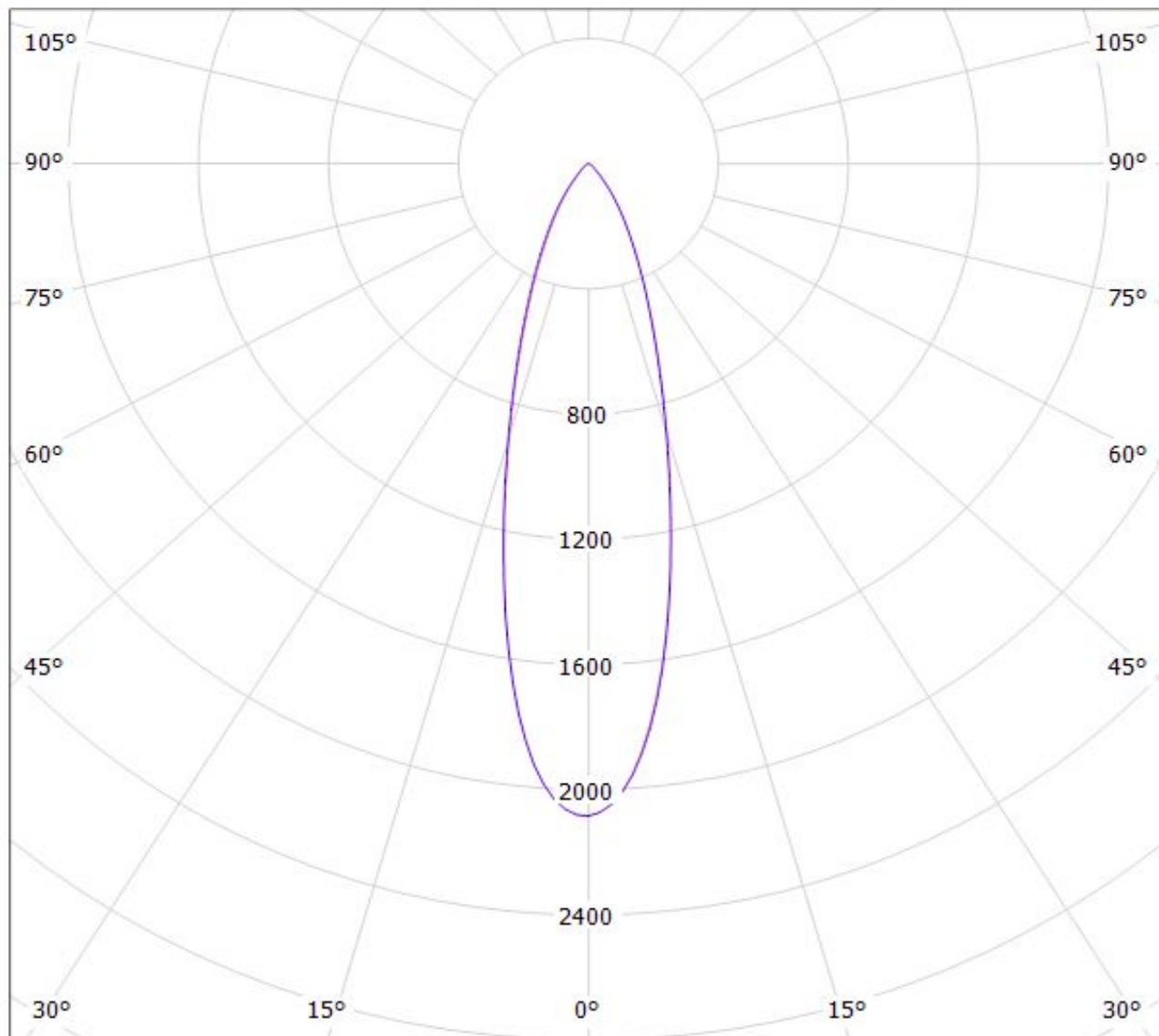
cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy C12501_MIRA-W_(NSMx286M) Eff.76.9%

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

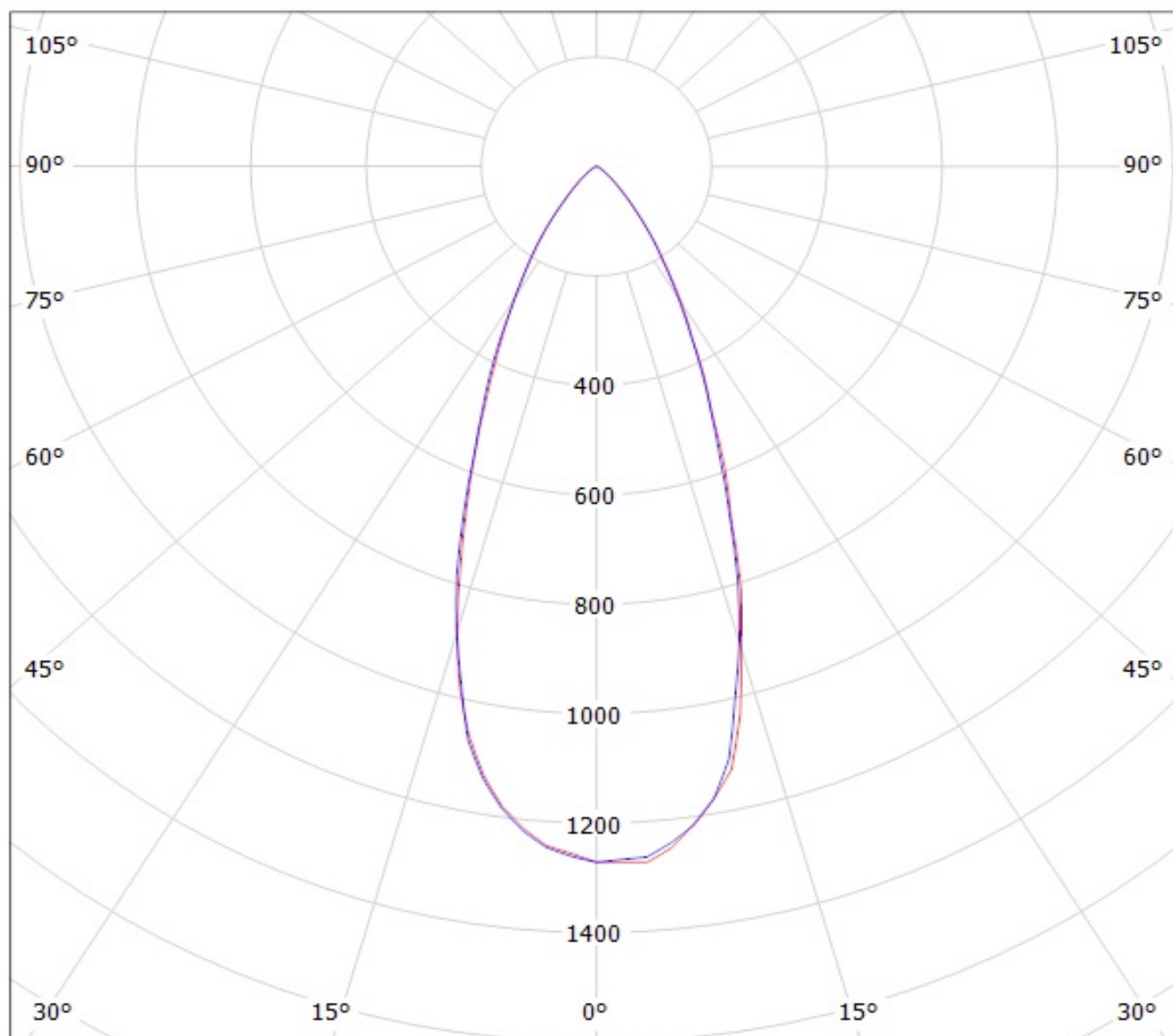


cd/klm

$\eta = 77\%$

— C0 - C180 — C90 - C270

Luminaire: Ledil Oy C12501_MIRA-W (Nichia NSCxL036A 434lm @ 100mA) Efficiency=79%
Lamps: 1 x Nichia NSCxL036A 434lm @ 100mA (NSCLL036A) CCT=3000K P=3,4W I=100mA



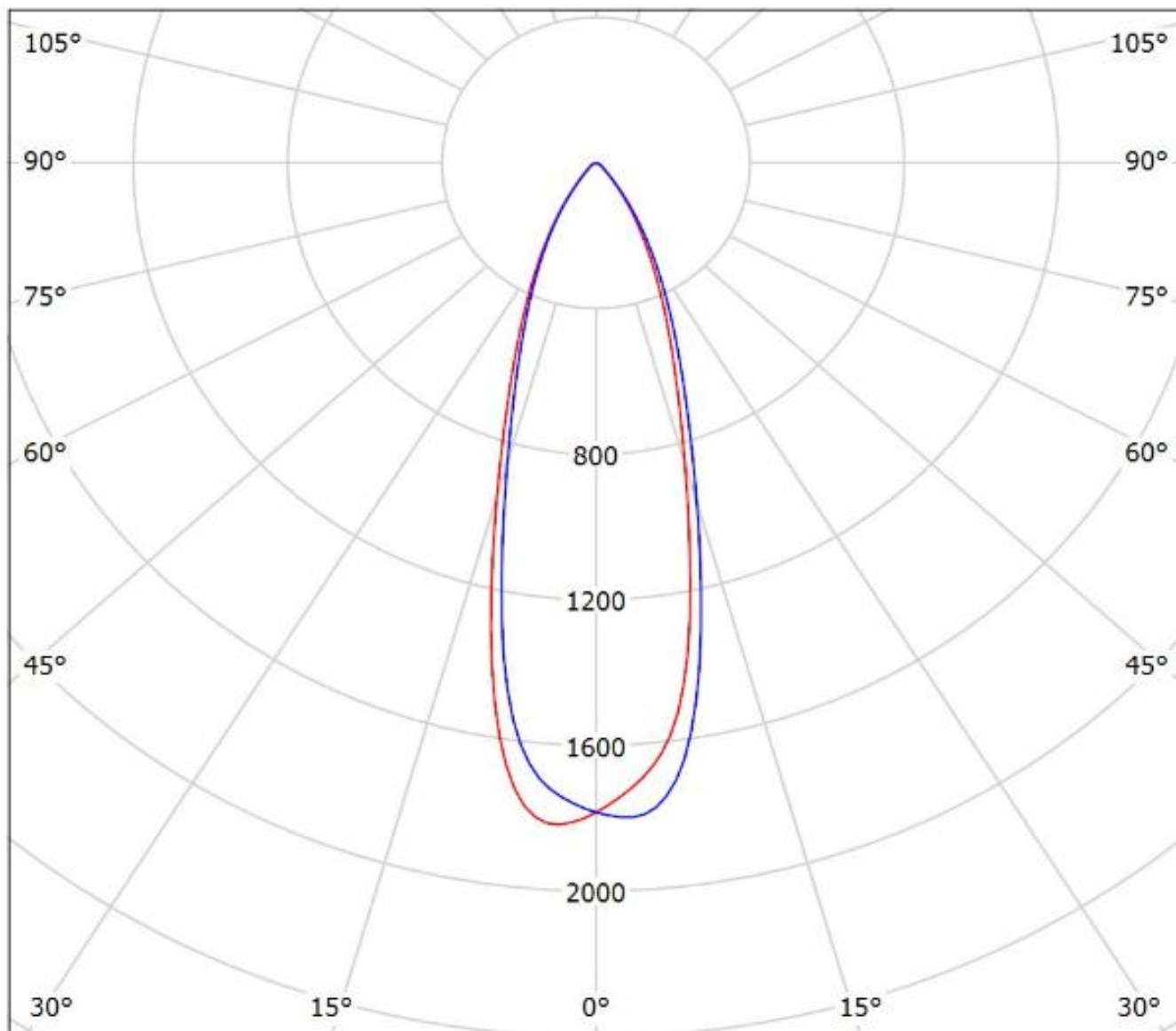
cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy C12501_MIRA-W_(NFMX48xAR_14chip)

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



cd/klm

— C0 - C180

— C90 - C270

$\eta = 80\%$

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.