

DETAILS

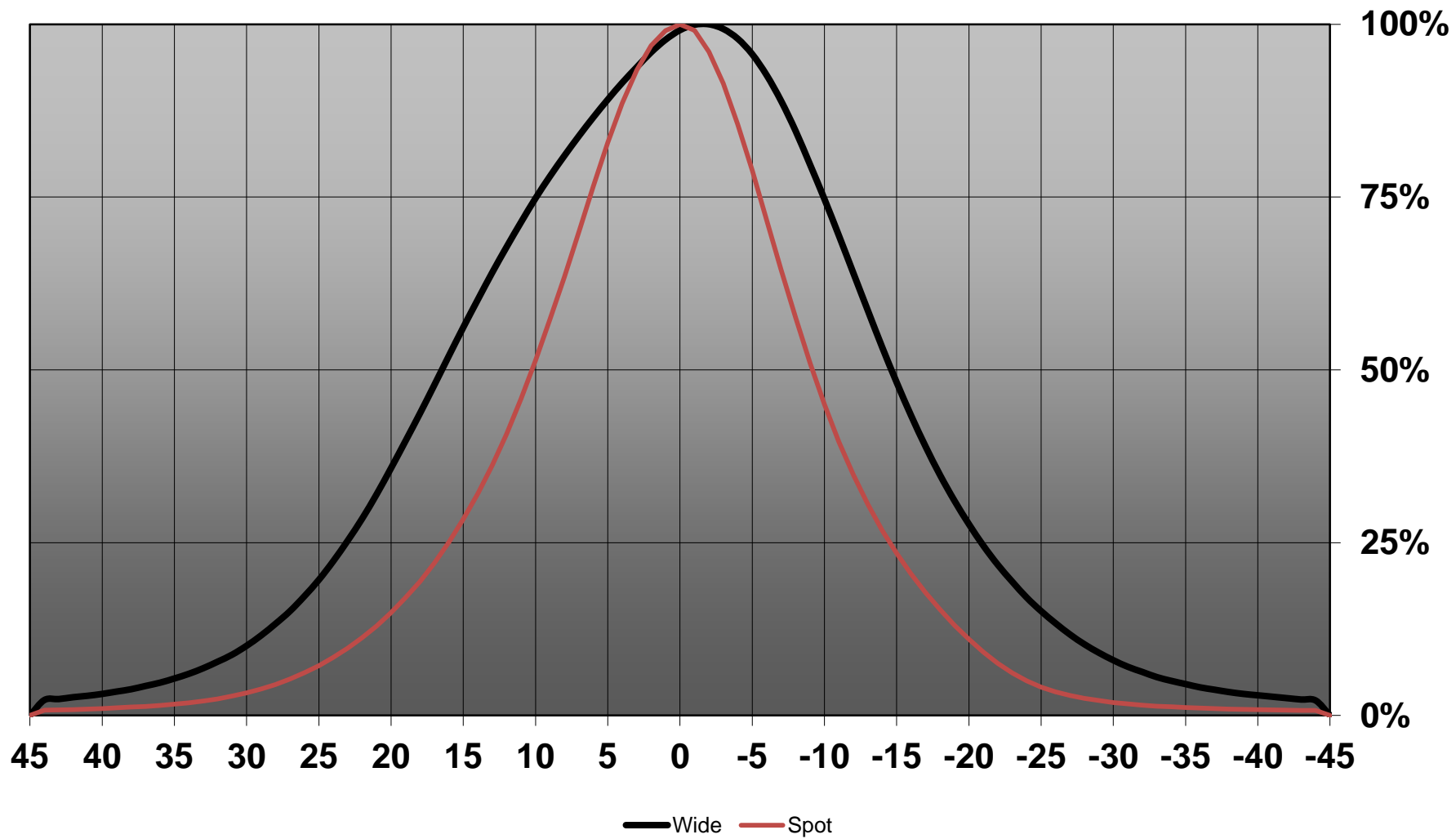
Product Number	FN13830_ZOWIE-MIDI-RZ
Family	Zowie
Type	Assembly
Color	clear
Diameter	35 mm
Height	31,3-46,15 mm
Style	round
Optic Material	PMMA,PMMA
Holder Material	
Fastening	
Status	production ready
ROHS Compliant	Yes
Date Updated	23/01/2018

OPTICAL PROPERTIES

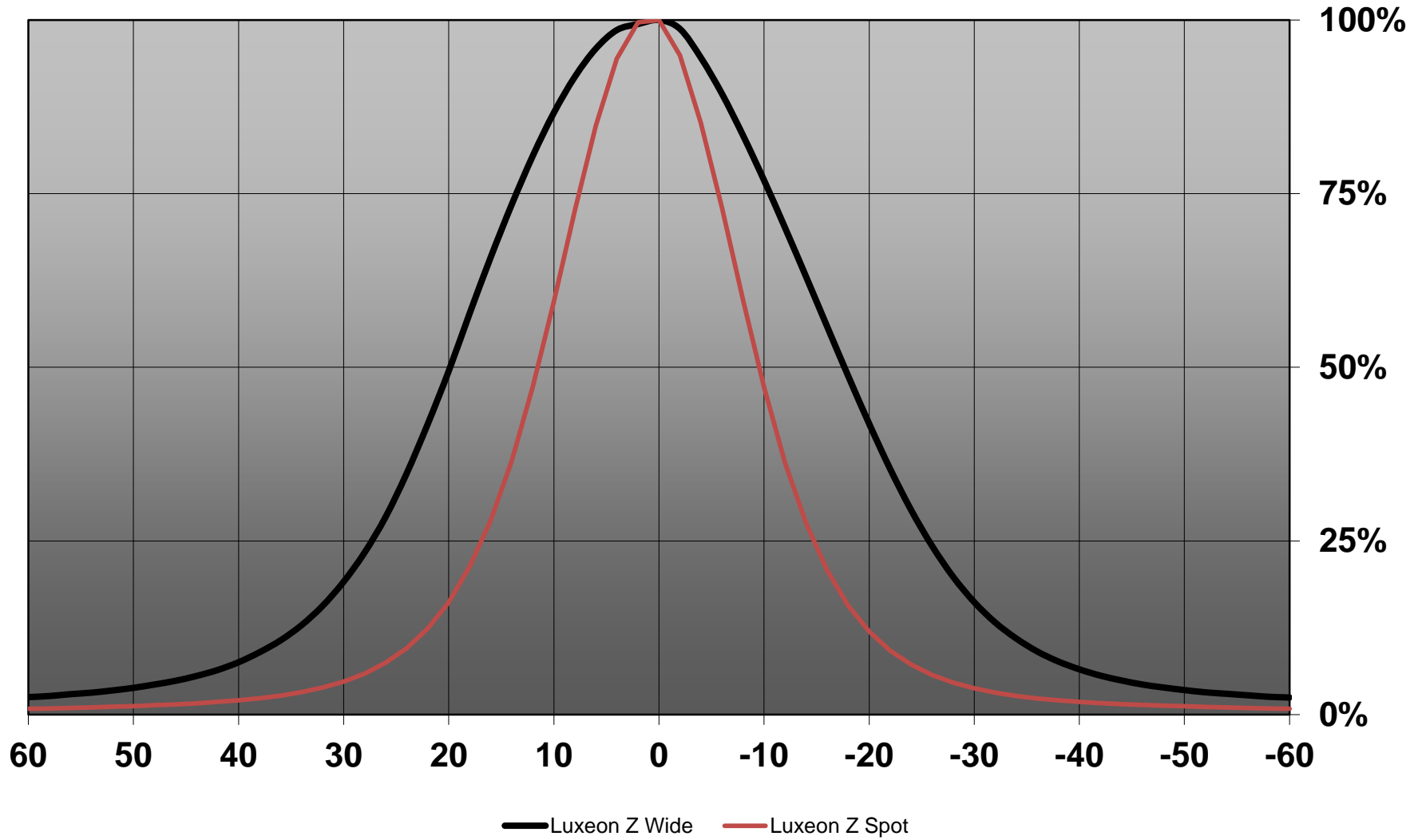
LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
XQ-E HI RGBW	19+31 deg		-	sim: 0.000	-
XQ-E HI RGBW	sim: 17		sim: 90 %	sim: 5.900	-
XQ-E HI RGBW	sim: 33		sim: 90 %	sim: 2.300	-
LUXEON Z RGB	21+38 deg		-	-	-
LUXEON C RGBW	23+36 deg		-	-	-
Ostar-SMT RGB	19+33 deg		-	-	-
Duris S8	15+24 deg		-	sim: 0.000	-
Oslon Square Flat	7+29 deg		-	sim: 0.000	-



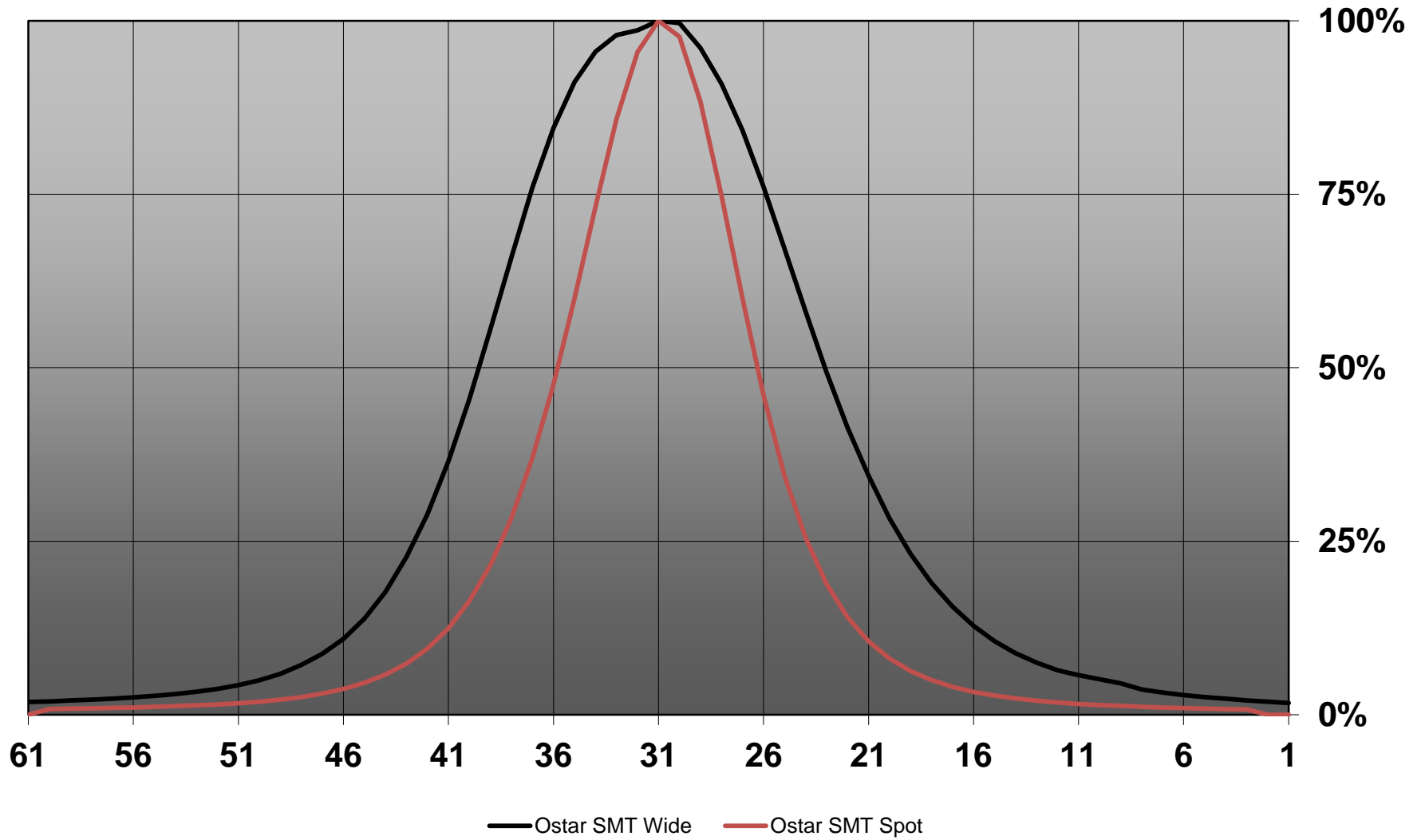
Relative intensity of FN13830_ZOWIE-MIDI-RZ_(XQ-E_HI_RGBW)



Relative intensity of FN13830_ZOWIE-MIDI-RZ (Luxeon Z RGB)

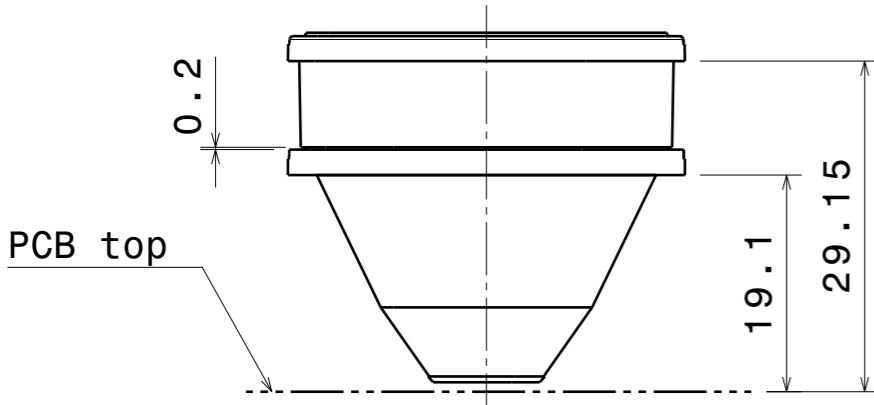


Relative intensity of FN13830_ZOWIE-MIDI-RZ (Ostar SMT RGB)



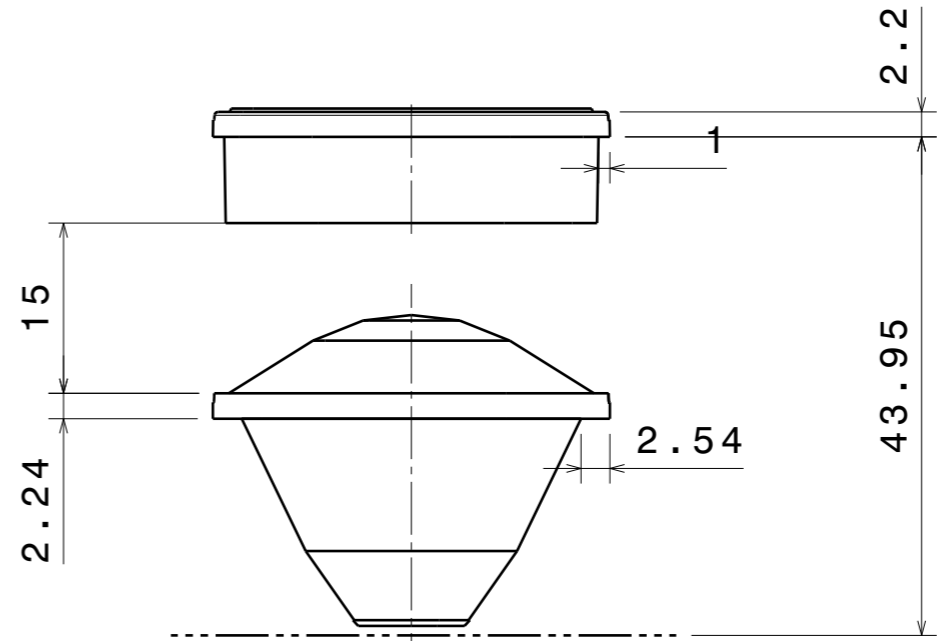
H G F E D C B A

4



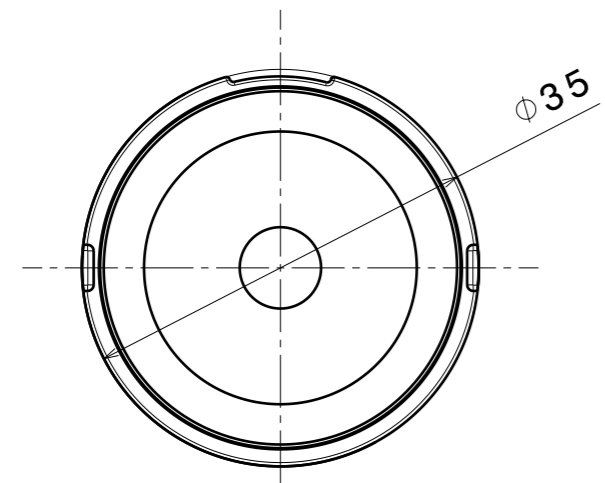
Lenses in Narrow Beam
Typical position

3



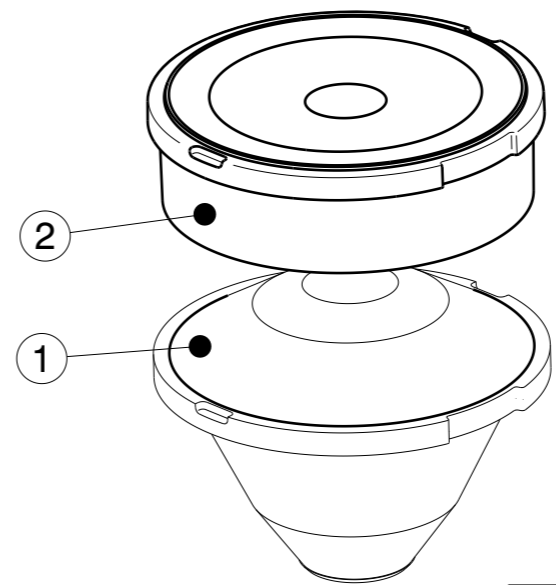
Lenses in Wide Beam
Typical position

4



Top view

3



Isometric view

2

INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	F13828	ZOWIE-LENS1	PMMA	Clear
2	F13829	ZOWIE-LENS2	PMMA	Clear

Tolerances if not otherwise shown
According to DIN ISO 2768-1
Linear measures:
Up to 30mm class M, otherwise class C
According to DIN ISO 2768-2
Form and position: class L

LEDiL LediL Oy
Salorankatu 10
FIN 24240 SALO
Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE
FN13830_ZOWIE-MIDI-RZ

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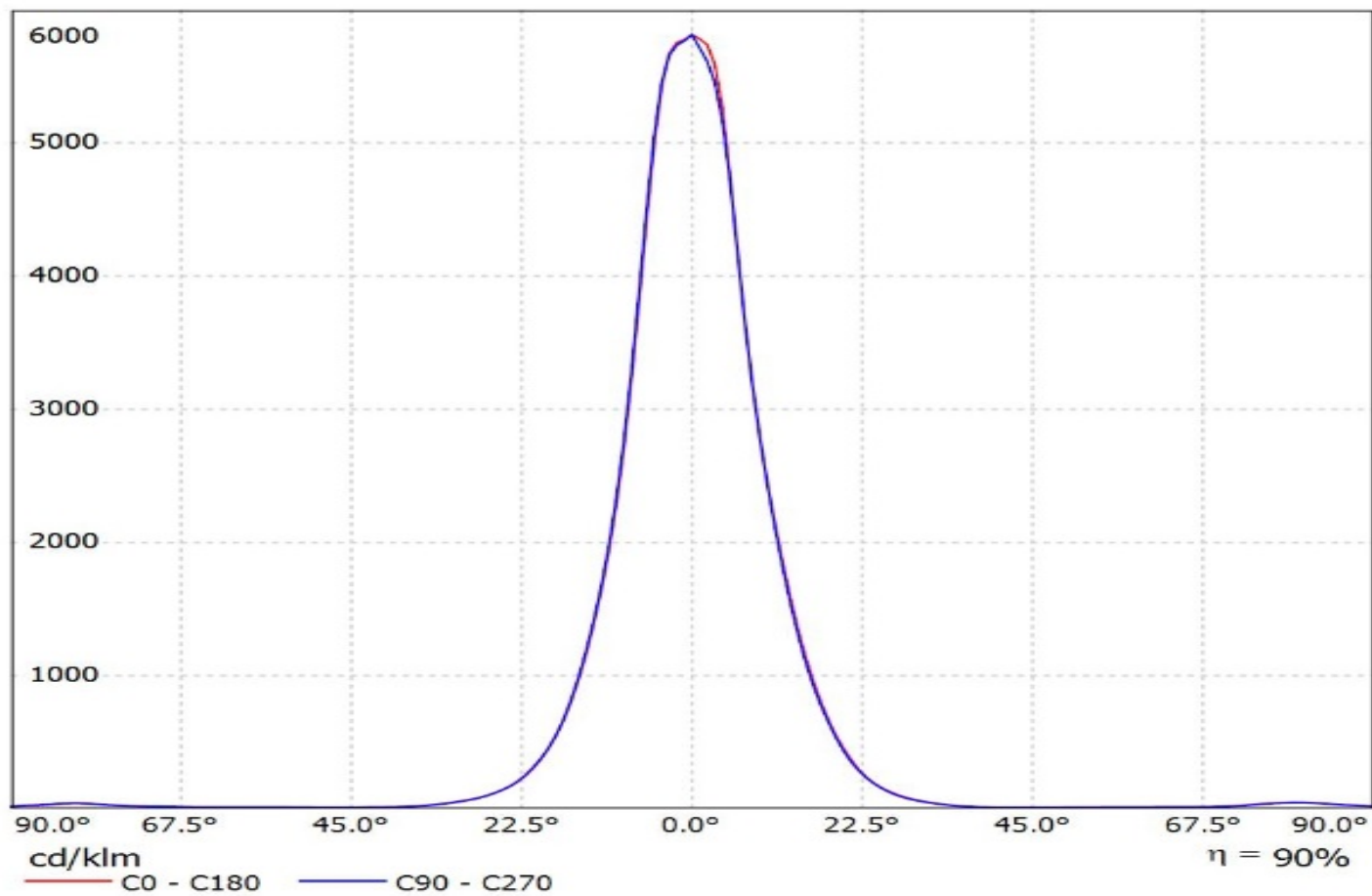
SIZE	PART NUMBER
A3	FN13830

SCALE	3:2	WEIGHT	16,93 g	SHEET	1/1
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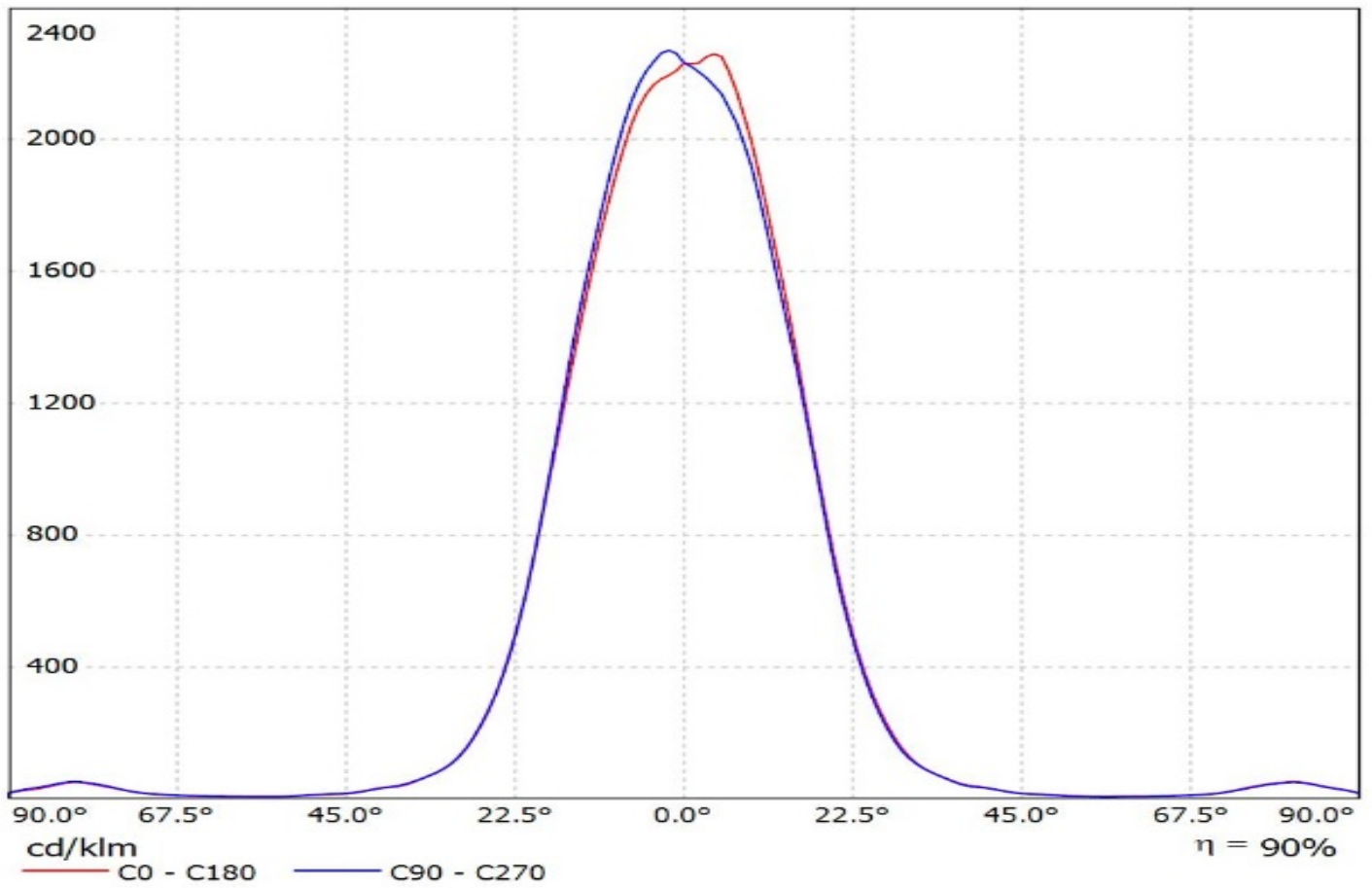
1

H G B A

Luminaire: Ledil Oy FN13830_ZOWIE-MIDI-RZ_(XQ-E_HI_RGBW)_(Spot)_SIMULATED
Lamps: 1 x Cree XQ-E HI - Red, Green, Blue and White with 0,3 mm distance.

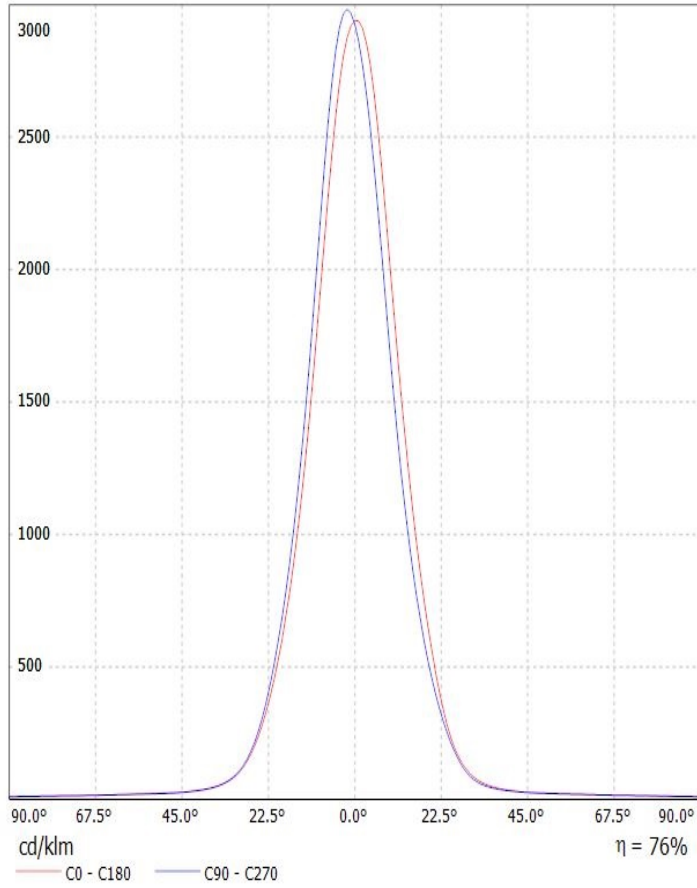


Luminaire: Ledil Oy FN13830_ZOWIE-MIDI-RZ_(XQ-E_HI_RGBW)_(Wide)_SIMULATED
Lamps: 1 x Cree XQ-E HI - Red, Green, Blue and White with 0,3 mm distance.



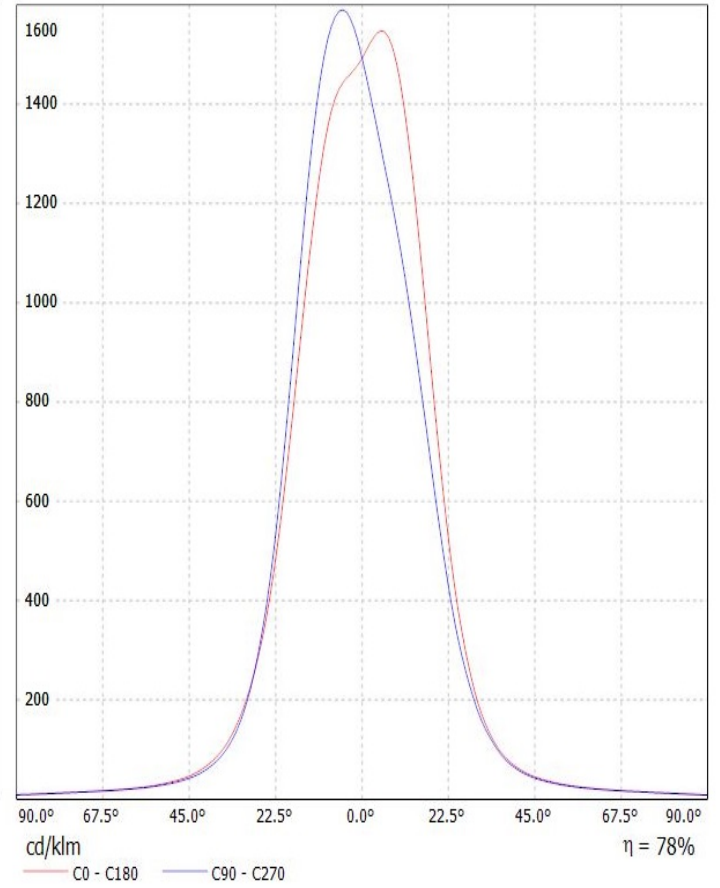
Luminaire: LEDiL Oy FN13830_ZOWIE-MIDI-RZ_(Luxeon_C_RGBW)
Lamps: 1 x Luxeon_C_RGBW_208.562lm@250mA_P=2.5479W_I=0.250A

SPOT

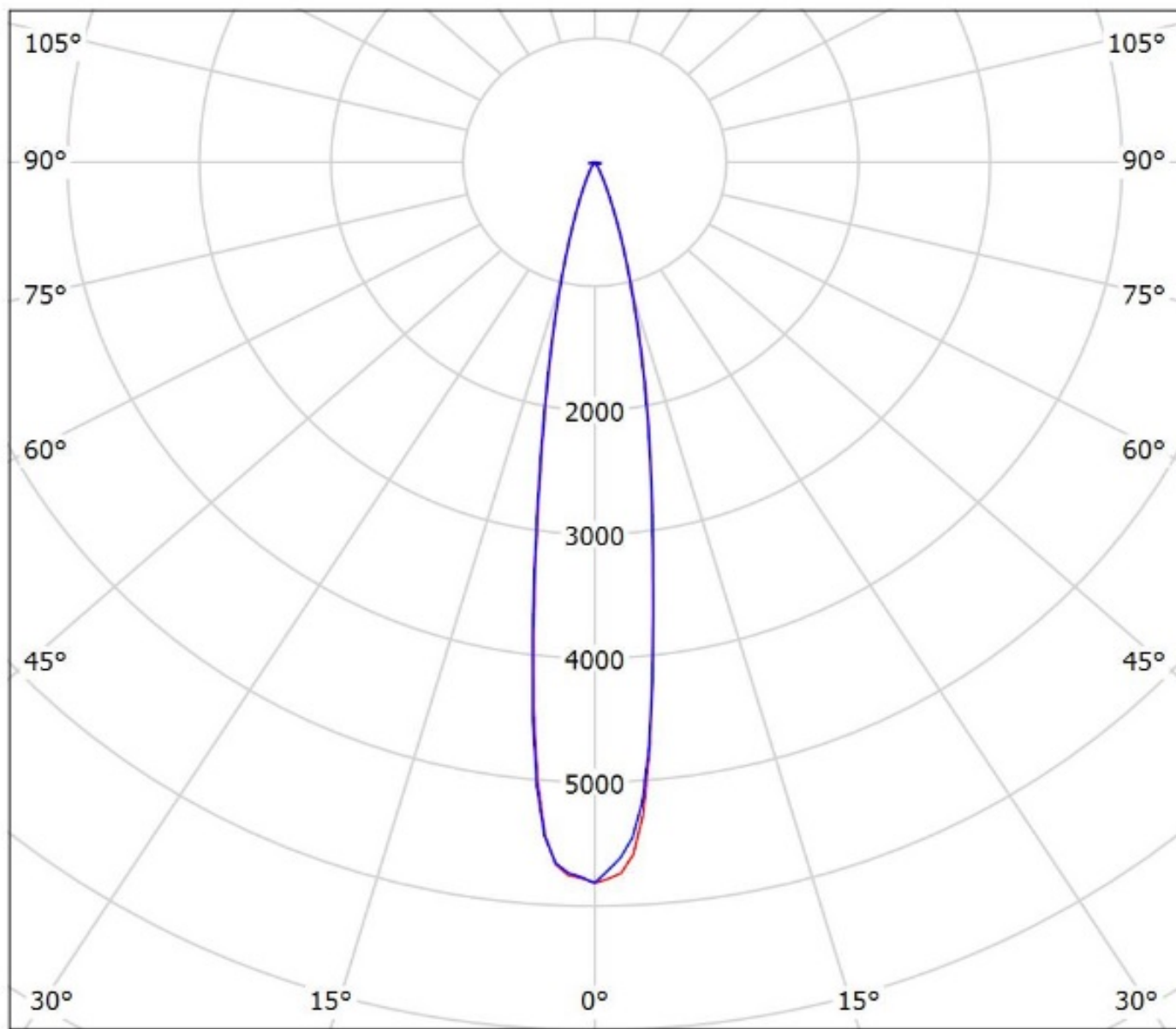


Luminaire: LEDiL Oy FN13830_ZOWIE-MIDI-RZ_(Luxeon_C_RGBW)
Lamps: 1 x Luxeon_C_RGBW_208.562lm@250mA_P=2.5479W_I=0.250A

WIDE



Luminaire: Ledil Oy FN13830_ZOWIE-MIDI-RZ_(XQ-E_HI_RGBW)_(Spot)_SIMULATED
Lamps: 1 x Cree XQ-E HI - Red, Green, Blue and White with 0,3 mm distance.

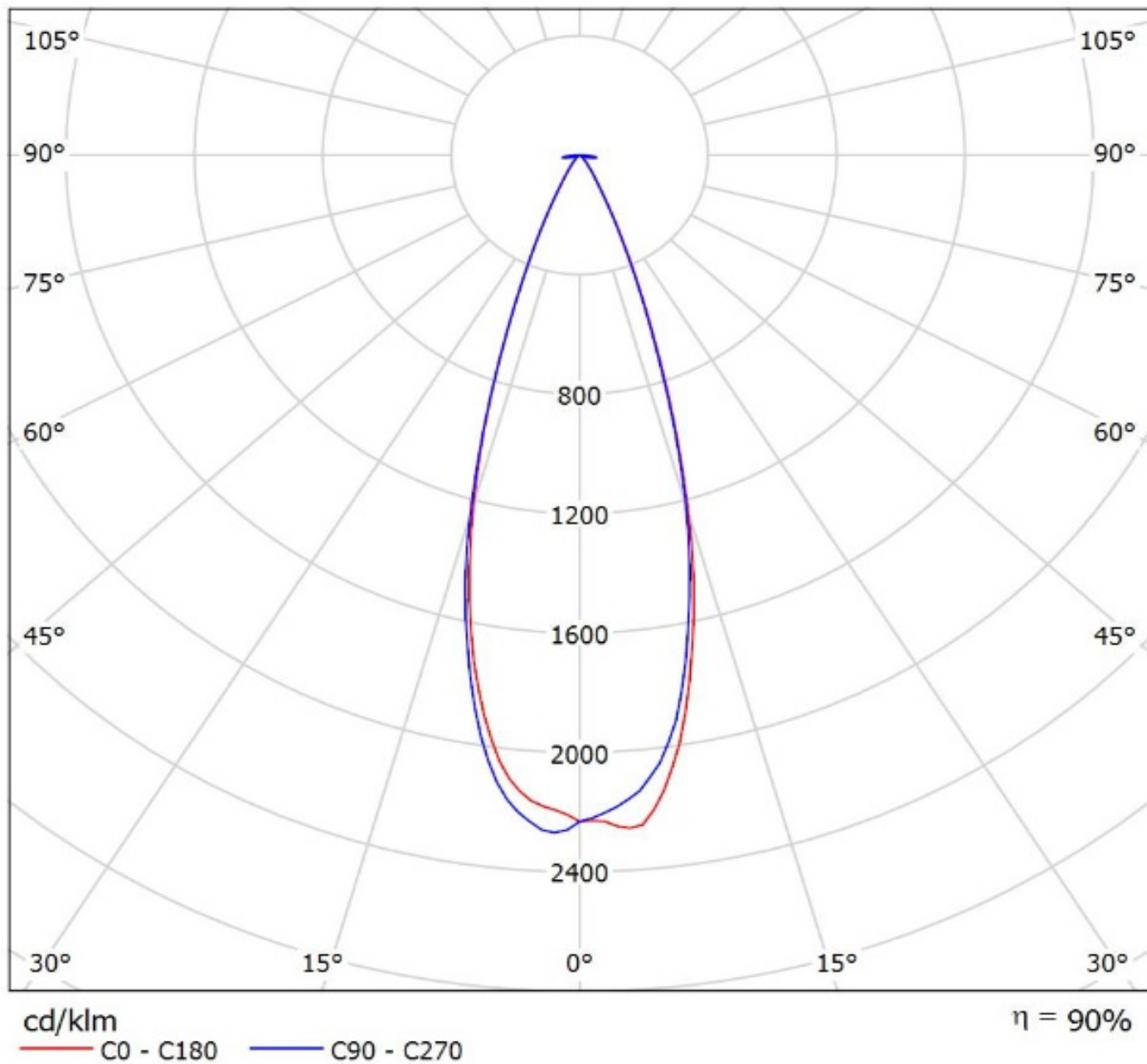


cd/klm

— C0 - C180 — C90 - C270

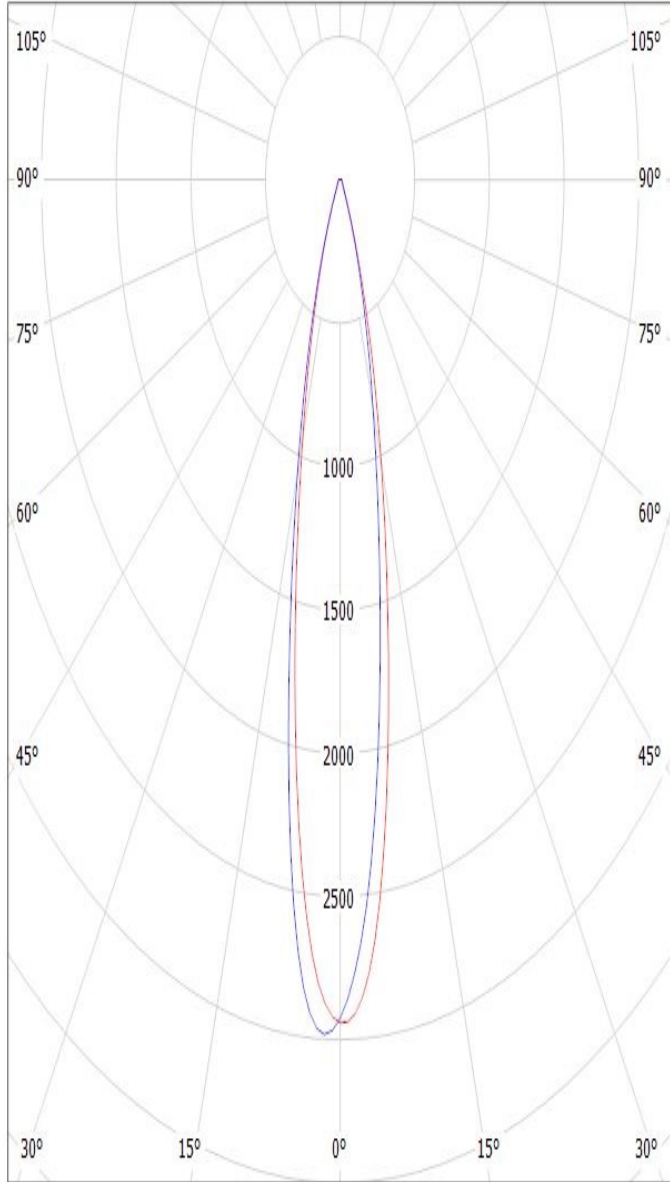
$\eta = 90\%$

Luminaire: Ledil Oy FN13830_ZOWIE-MIDI-RZ_(XQ-E_HI_RGBW)_(Wide)_SIMULATED
Lamps: 1 x Cree XQ-E HI - Red, Green, Blue and White with 0,3 mm distance.



Luminaire: LEDiL Oy FN13830_ZOWIE-MDI-RZ (Luxeon_C_RGBW)
Lamps: 1 x Luxeon_C_RGBW_208.562lm@250mA_P=2.5479W_I=0.250A

SPOT

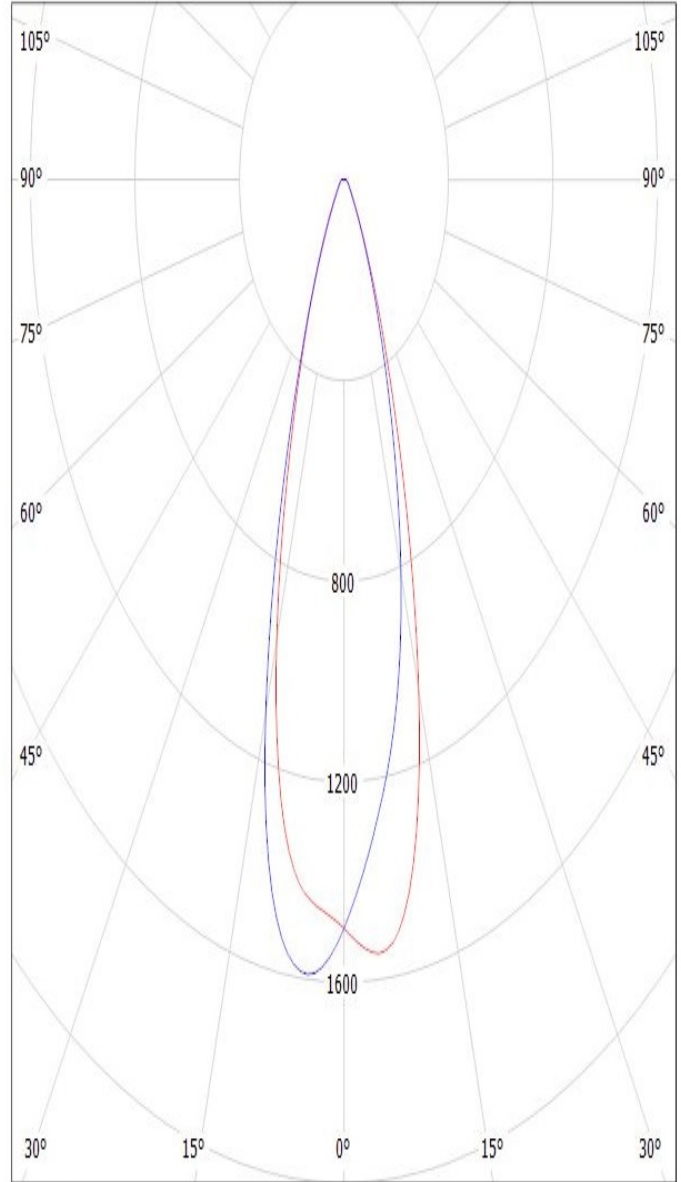


cd/klm
— C0 - C180 — C90 - C270

$\eta = 76\%$

Luminaire: LEDiL Oy FN13830_ZOWIE-MDI-RZ (Luxeon_C_RGBW)
Lamps: 1 x Luxeon_C_RGBW_208.562lm@250mA_P=2.5479W_I=0.250A

WIDE



cd/klm
— C0 - C180 — C90 - C270

$\eta = 78\%$

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.