

## DETAILS

<b>Product Number</b>	CS14839_HB-2X2MX-WWW
<b>Family</b>	HighBay
<b>Type</b>	Assembly
<b>Color</b>	clear
<b>Diameter</b>	90x90 mm
<b>Height</b>	16,38 mm
<b>Style</b>	square
<b>Optic Material</b>	
<b>Holder Material</b>	
<b>Fastening</b>	
<b>Status</b>	production ready
<b>ROHS Compliant</b>	Yes
<b>Date Updated</b>	31/05/2017



## OPTICAL PROPERTIES

LED	Viewing	Light	Effi-	cd/lm	Connector
	Angle	Beam	ciency		
SMD 5050	sim: 78	WWW-class	sim: 94 %	sim: 0.580	-
PSL440	73 deg	WWW-class	92 %	0.614	-
PSL445	73 deg	WWW-class	94 %	0.580	-
XHP70	77 deg	WWW-class	93 %	0.550	-
XHP35 HD	76 deg	WWW-class	93 %	0.530	-
XHP35 HI	73 deg	WWW-class	93 %	0.560	-
XHP50	73 deg	WWW-class	93 %	0.570	-
XHP50.2	sim: 87	WWW-class	sim: 94 %	sim: 0.460	-
H70E0	77 deg	WWW-class	93 %	0.530	-
LUXEON M/MX	78 deg	WWW-class	93 %	0.560	-
LUXEON MZ	71 deg	WWW-class	75 %	0.520	-
LUXEON XR-M square 2x2	78 deg	WWW-class	94 %	0.570	-
NFMW48xA	sim: 77	WWW-class	sim: 93 %	sim: 0.580	-
OSCONIQ P 7070	sim: 78	WWW-class	sim: 92 %	sim: 0.572	-
Duris S10	66 deg	WWW-class	94 %	0.700	-

H G F E

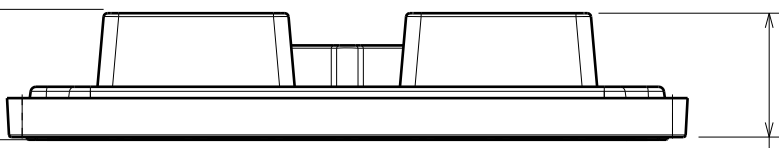
4

3

2

1

17  
(incompressible seal)



16.38

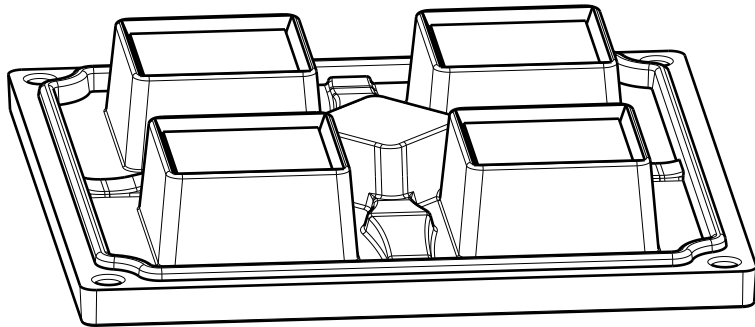
90

$\varnothing 3.45$   
(4X)

82

90

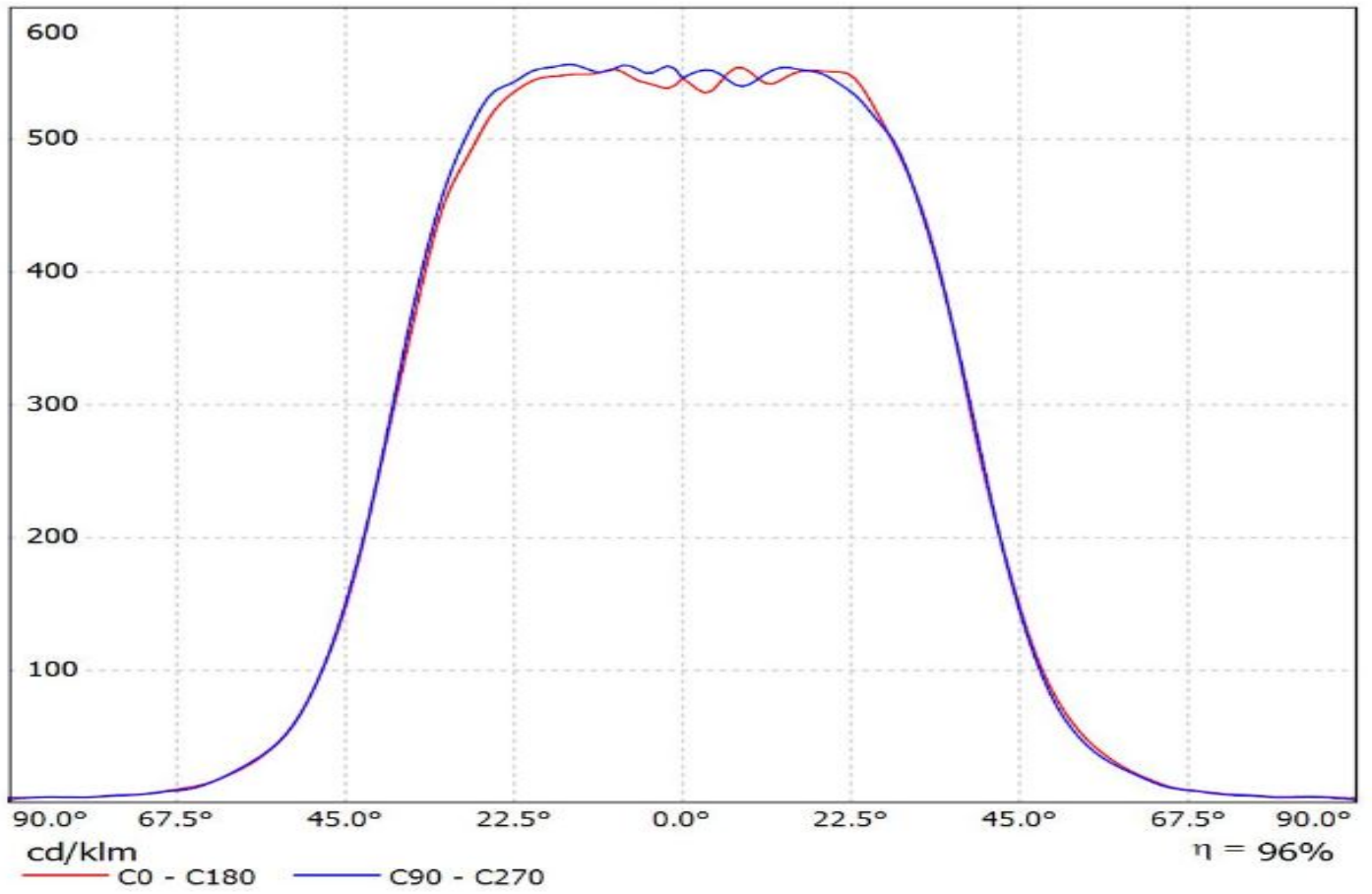
82



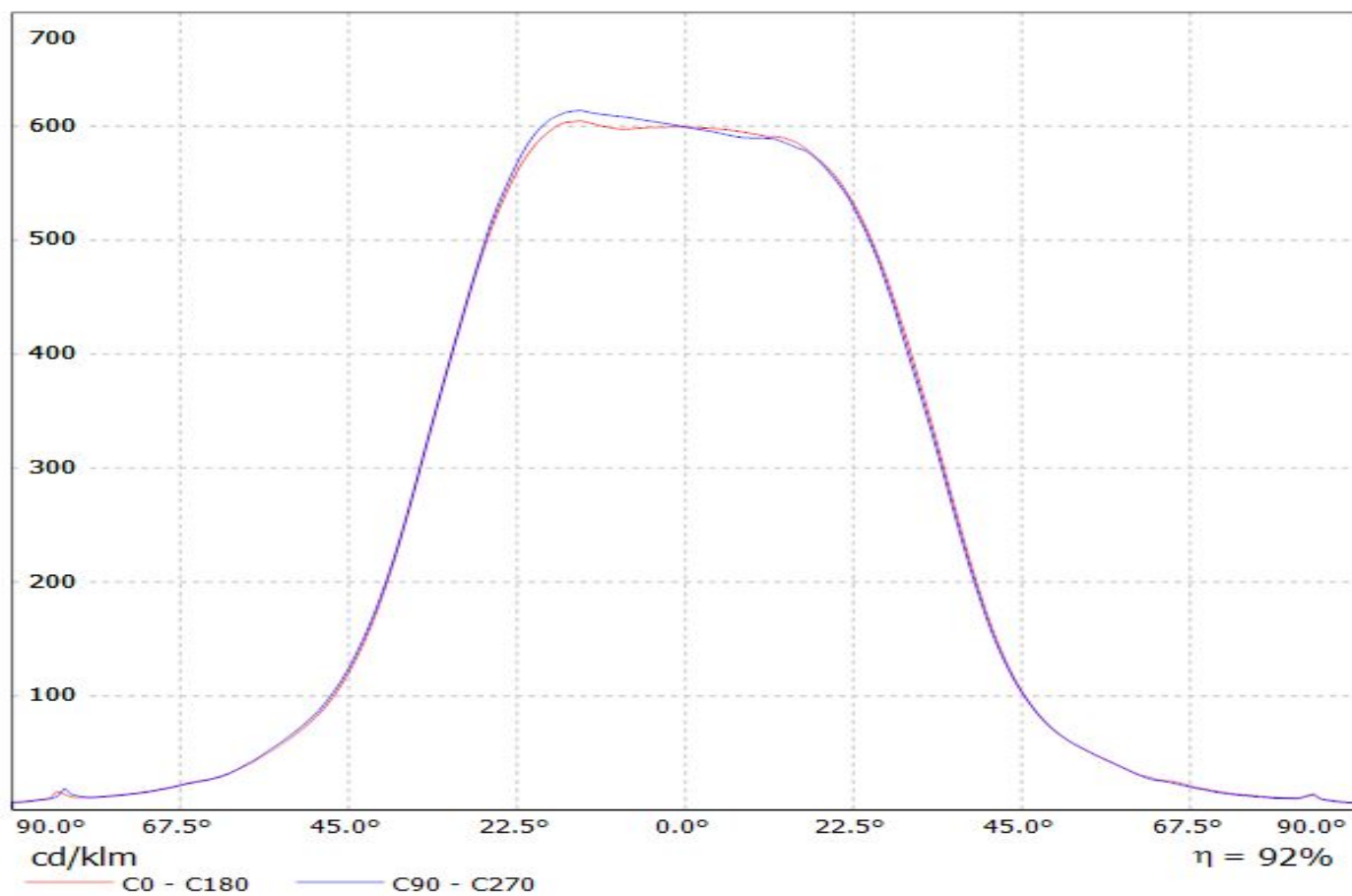
Isometric view (1:1)

H G

Luminaire: Ledil Oy CS14839\_HB-2X2MX-WWWW\_BRIDGELUX\_SMD\_5050\_SIMULATED  
Lamps: 1 x BRIDGELUX SMD 5050

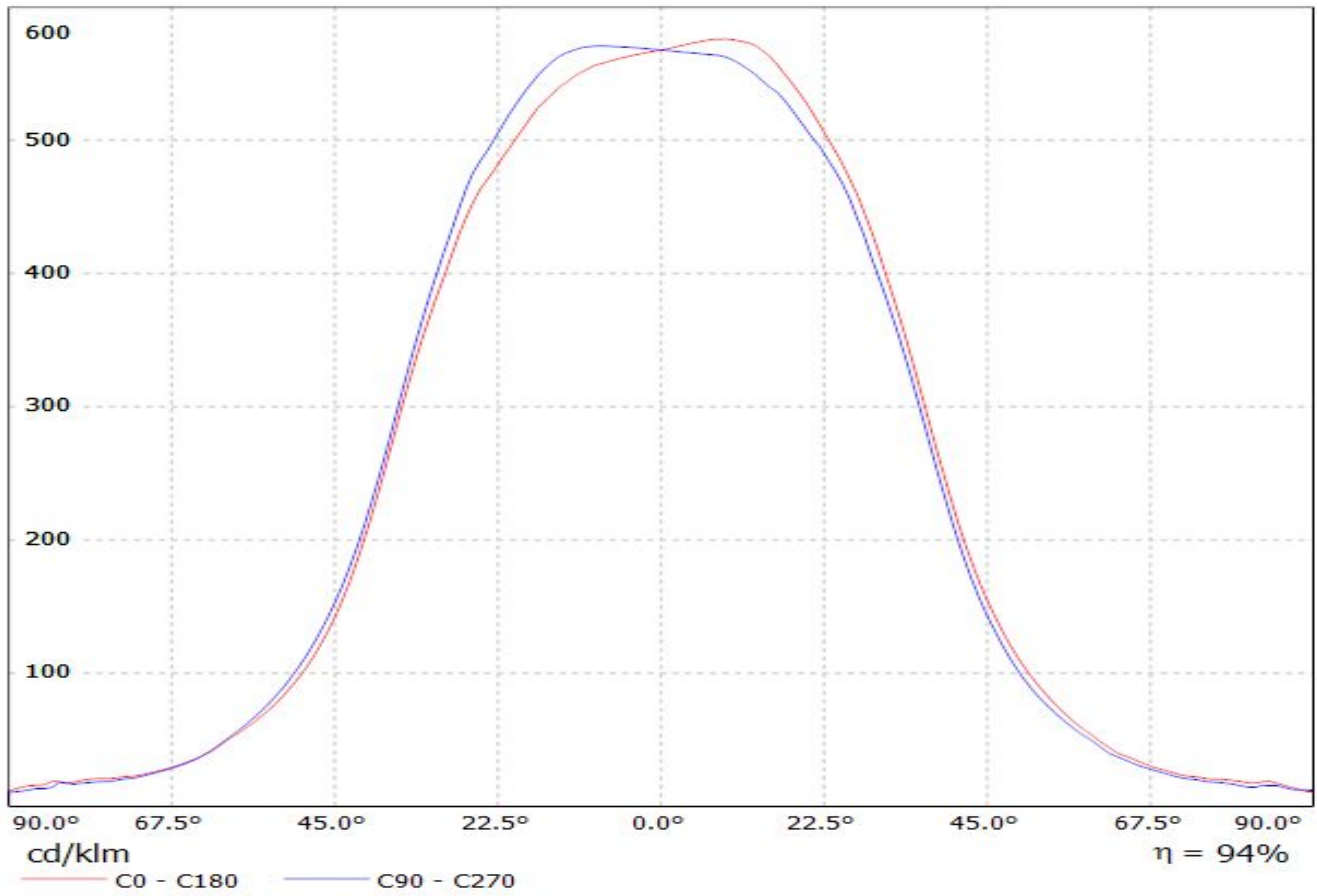


Luminaire: LEDiL Oy CS14839\_HB-2X2MX-WWW\_(PSL440)\_GS  
Lamps: 1 x Citizen\_PSL440\_1034.87lm@250mA\_P=11.3823W\_I=0.250A



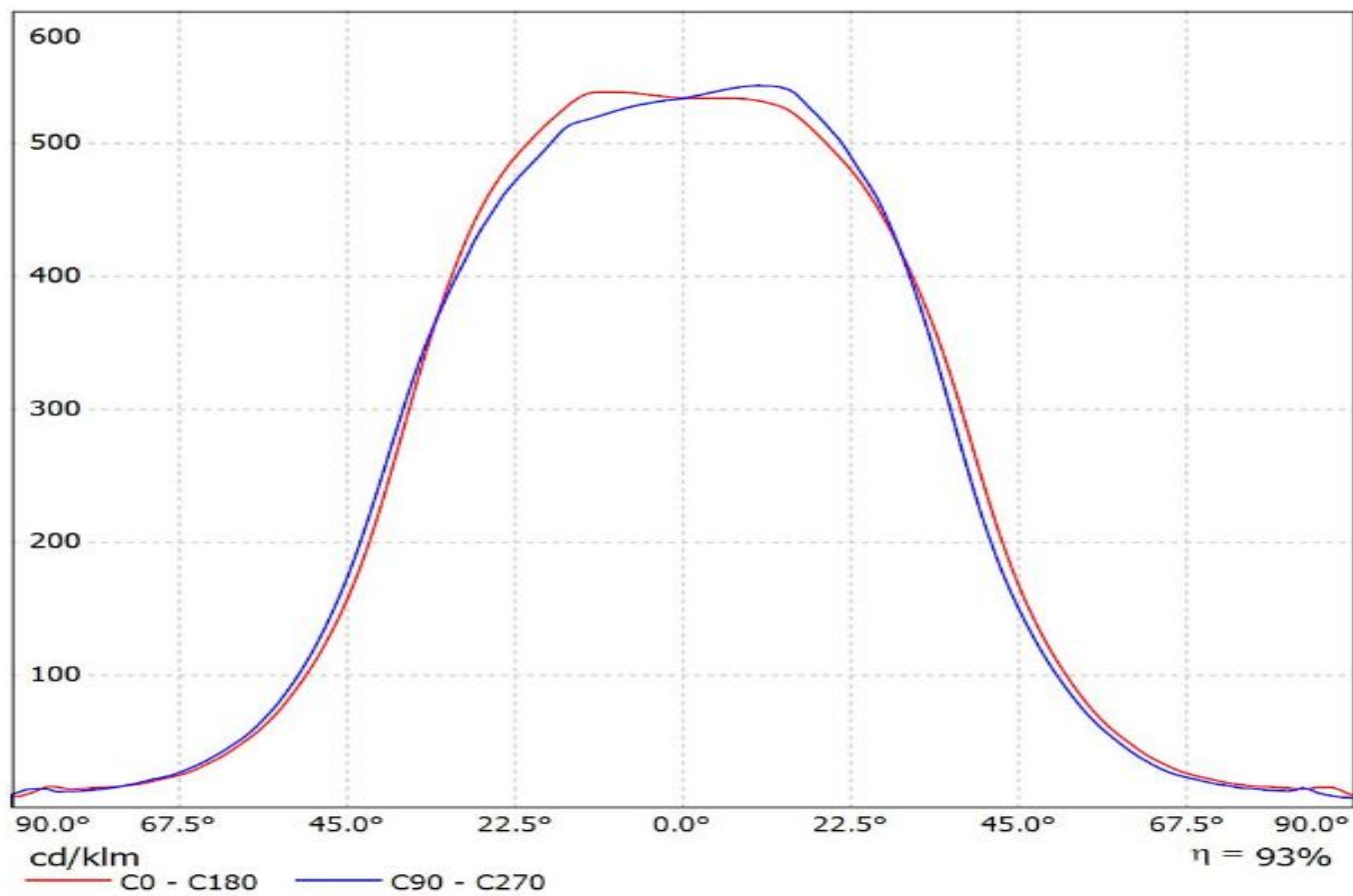
Luminaire: LEDiL Oy CS14839\_HB-2X2MX-WWW\_(PSL445)

Lamps: 1 x Citizen\_PSL445\_2x2\_1674.9lm@250mA\_P=11.1421W\_I=0.250A\_CCT=2700K



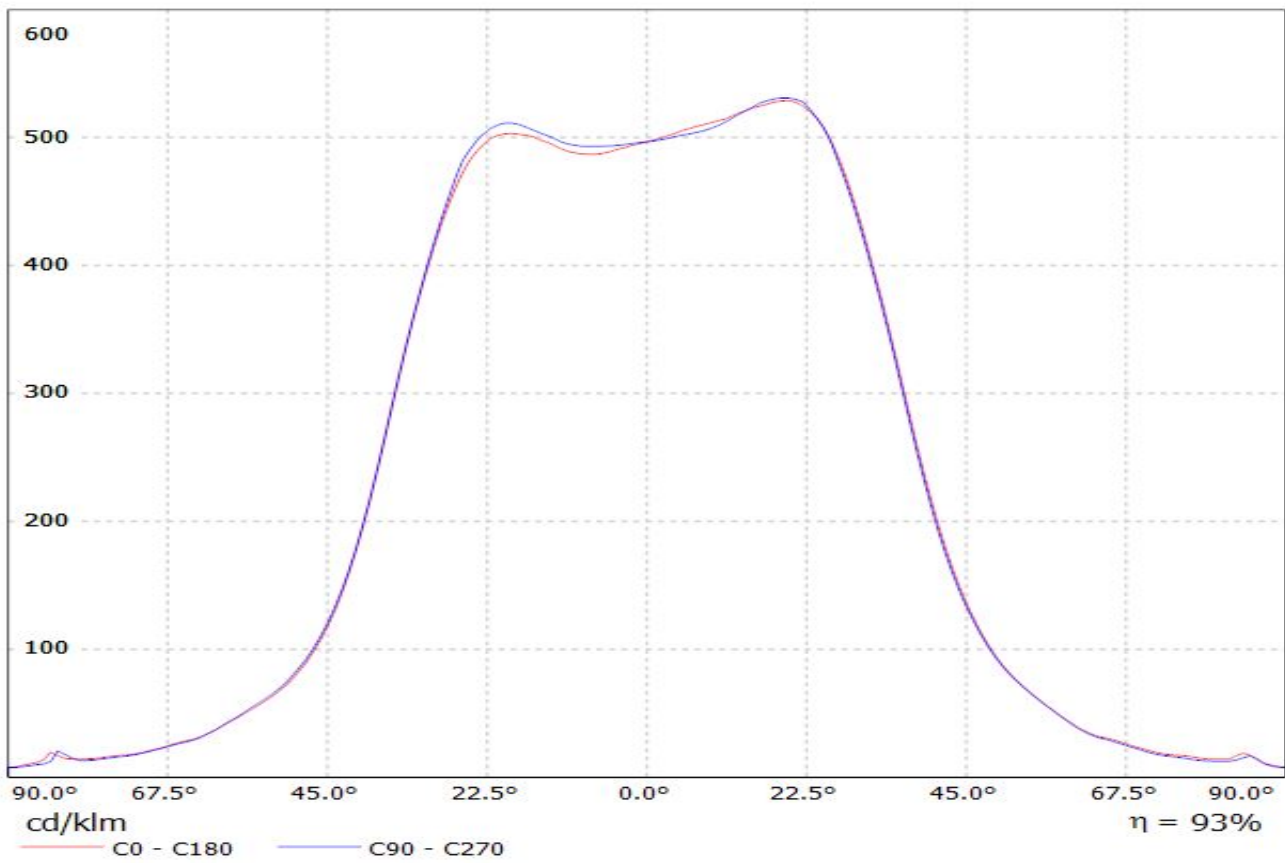
Luminaire: Ledil CS14839\_HB-2X2MX-WWW\_(XHP70)

Lamps: 1 x Cree\_XHP70-2x2\_Mx\_1522.16lm@250mA\_P=11.084W\_I=0.25A



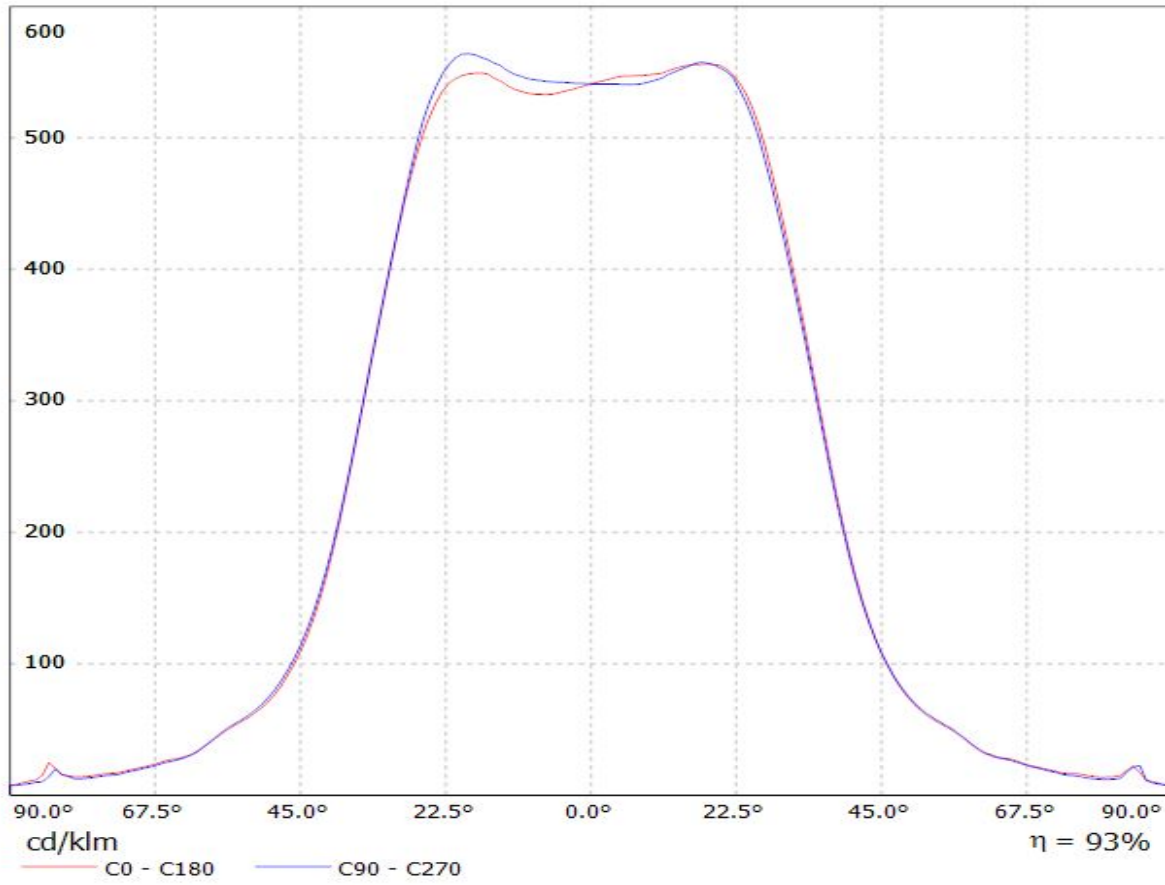
Luminaire: LEDiL Oy CS14839\_HB-2X2MX-WWW\_(XHP35\_HD)

Lamps: 1 x Cree\_XHP35\_HD\_(XHP35A-0-2D0-D40-D0-B-01)\_1728.98lm@250mA\_P=11.3112W\_I=0.250A



Luminaire: LEDiL Oy CS14839\_HB-2X2MX-WWW\_(XHP35\_HI)

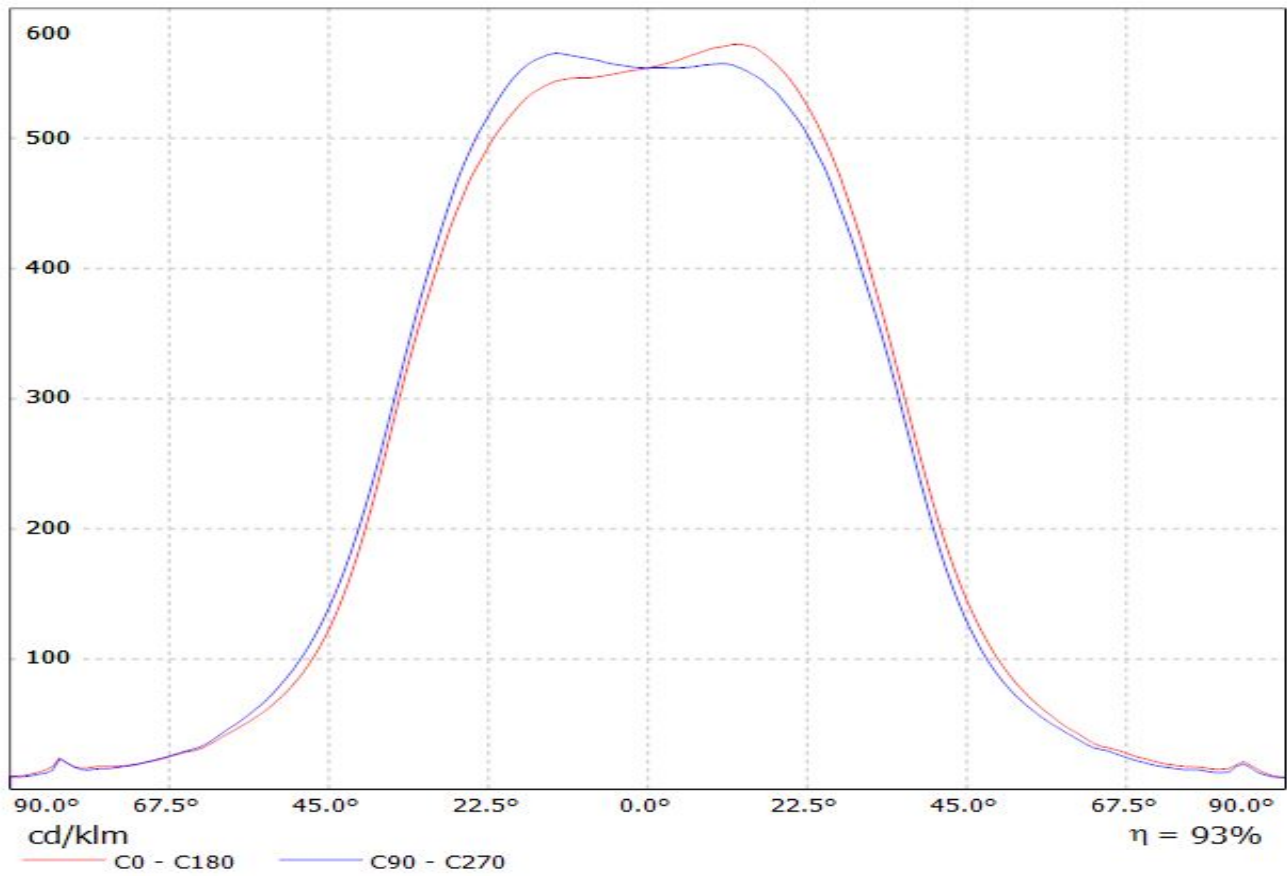
Lamps: 1 x Cree\_XHP35\_HI\_(XHP35A-H-5C0-D40-D0-B-01)\_1615.75lm@250mA\_CCT=4000K\_P=11.4373W\_I=0.250A



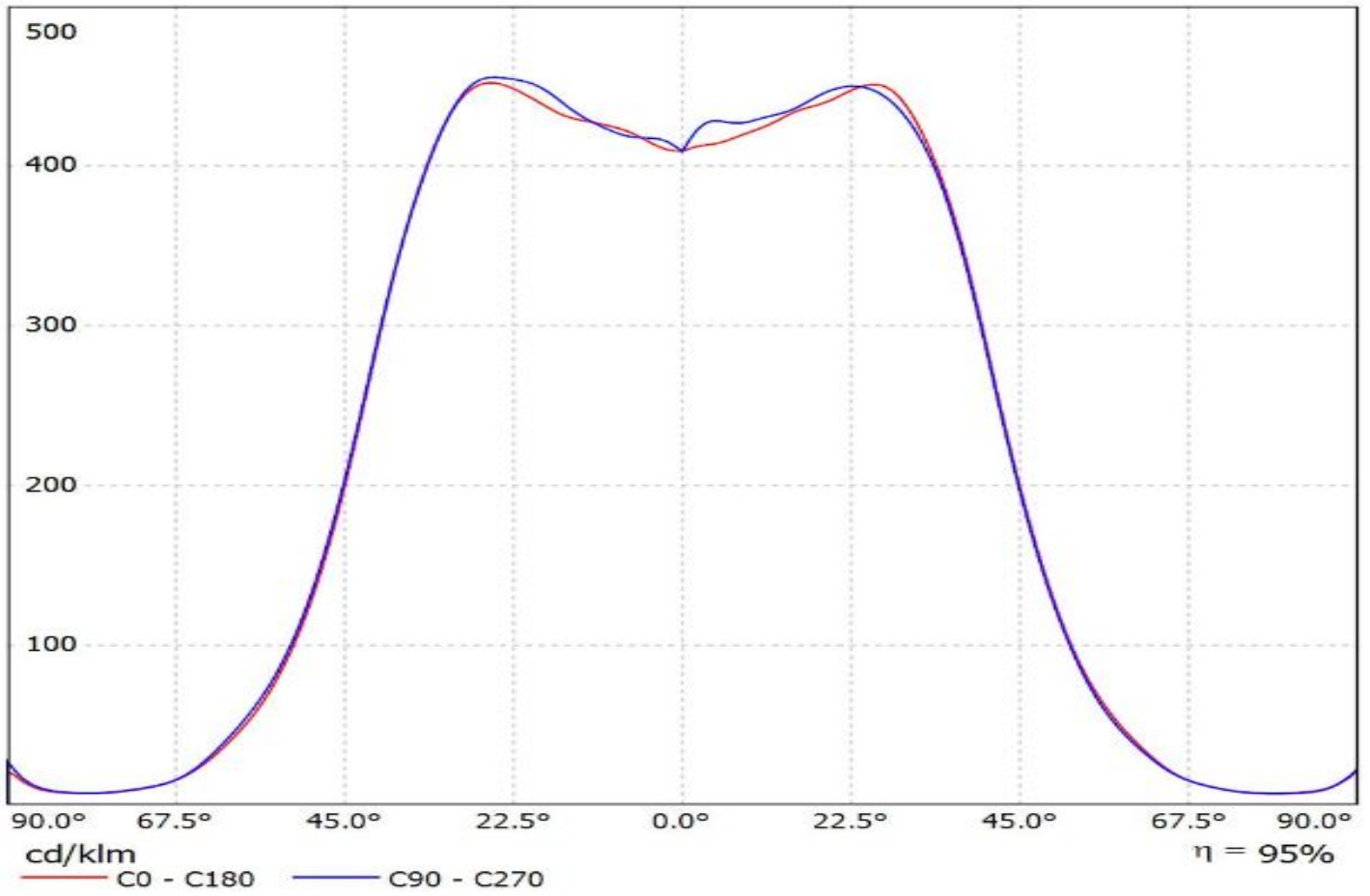


Luminaire: LEDiL Oy CS14839\_HB-2X2MX-WWWW\_(XHP50)

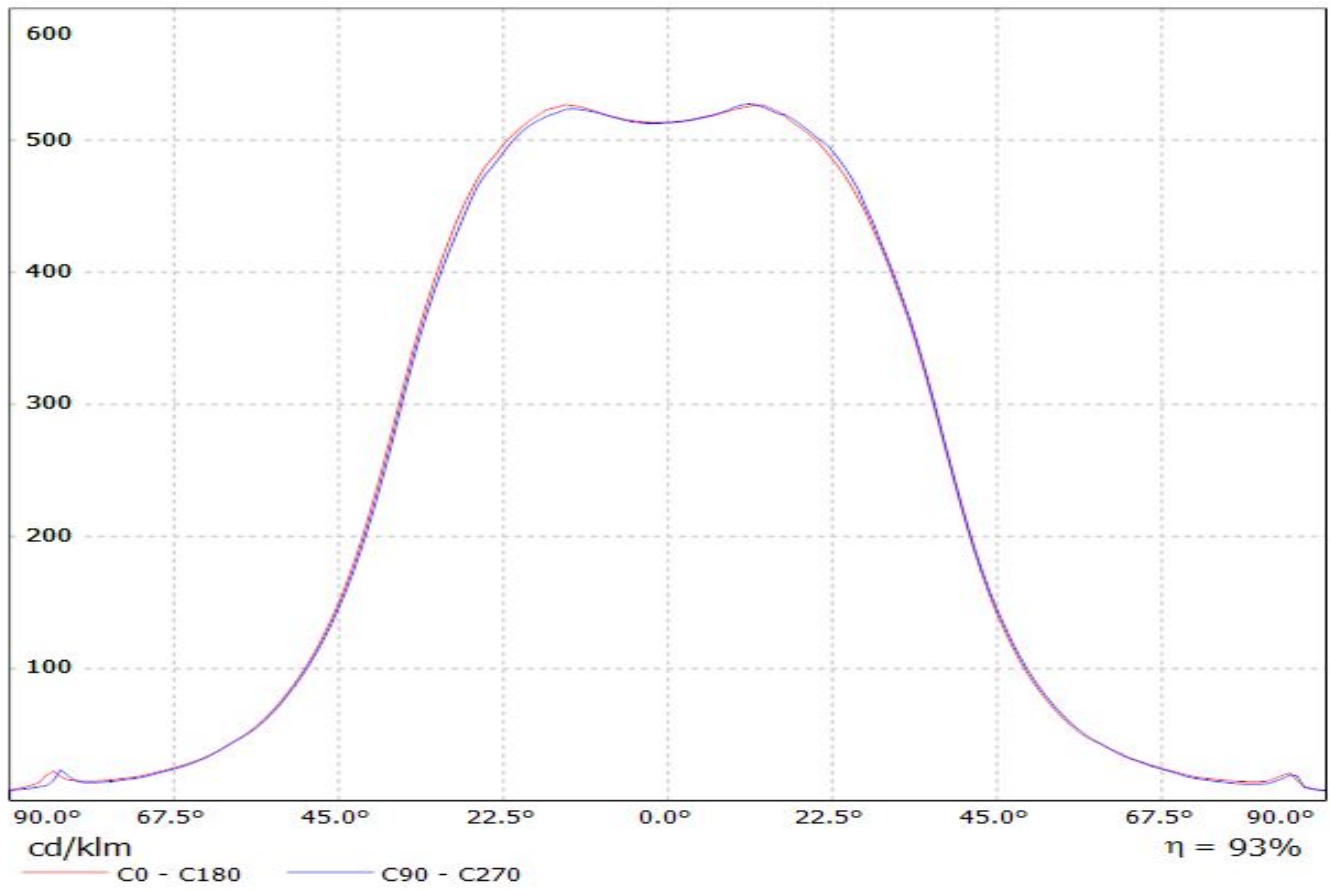
Lamps: 1 x Cree\_XHP50\_(XHP50-0-1B0-J20-D0-B-01)\_1815.51lm@250mA\_P=11.4658W\_I=0.250A



Luminaire: Ledil Oy CS14839\_HB-2X2MX-WWW\_(XHP50\_2)\_SIMULATED  
Lamps: 1 x Cree XHP50.2

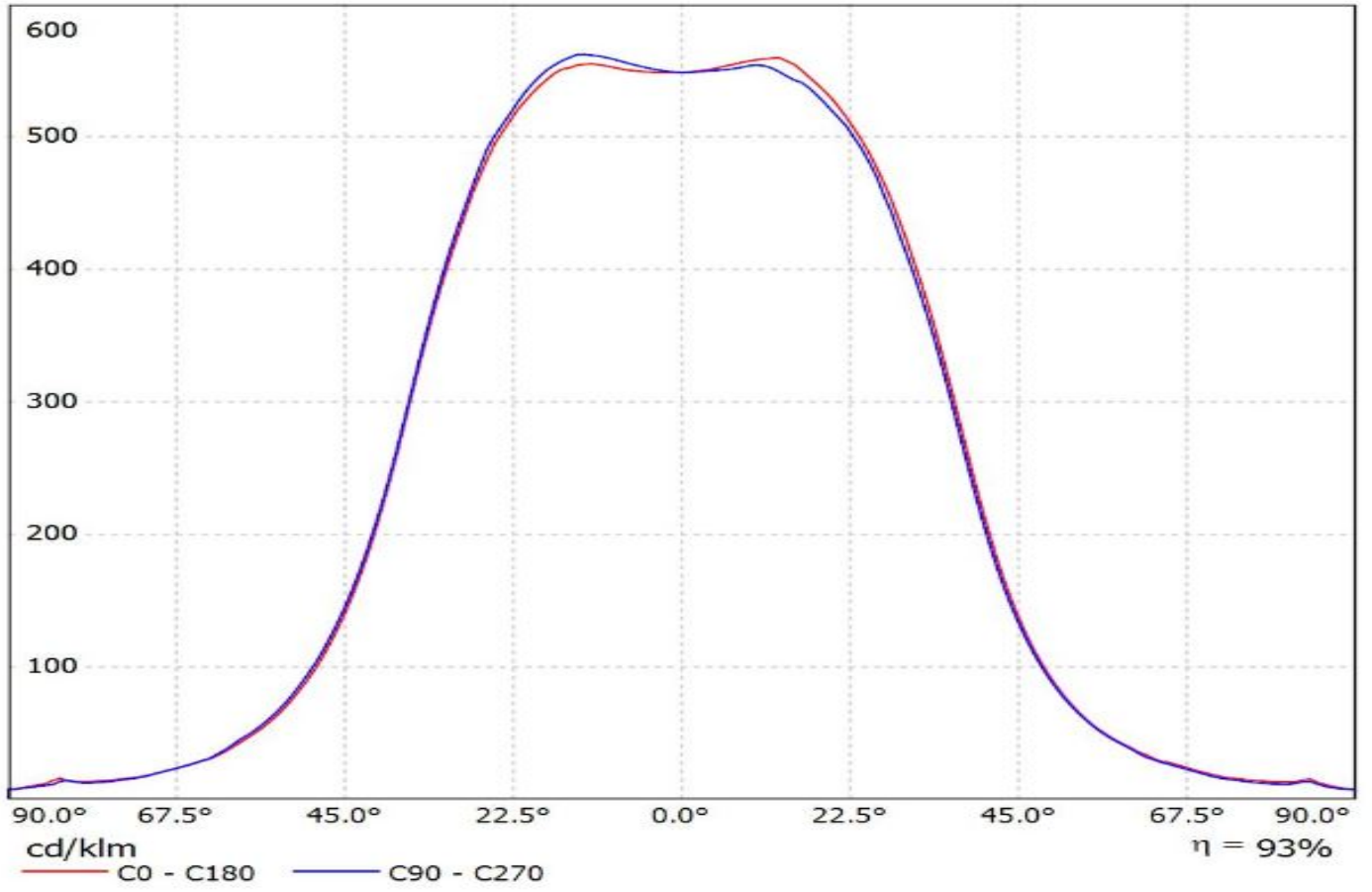


Luminaire: LEDiL Oy CS14839\_HB-2X2MX-WWW\_(H70E0)  
Lamps: 1 x LG\_H70E0\_1790.78lm@250mA\_P=11.2987W\_I=0.250A



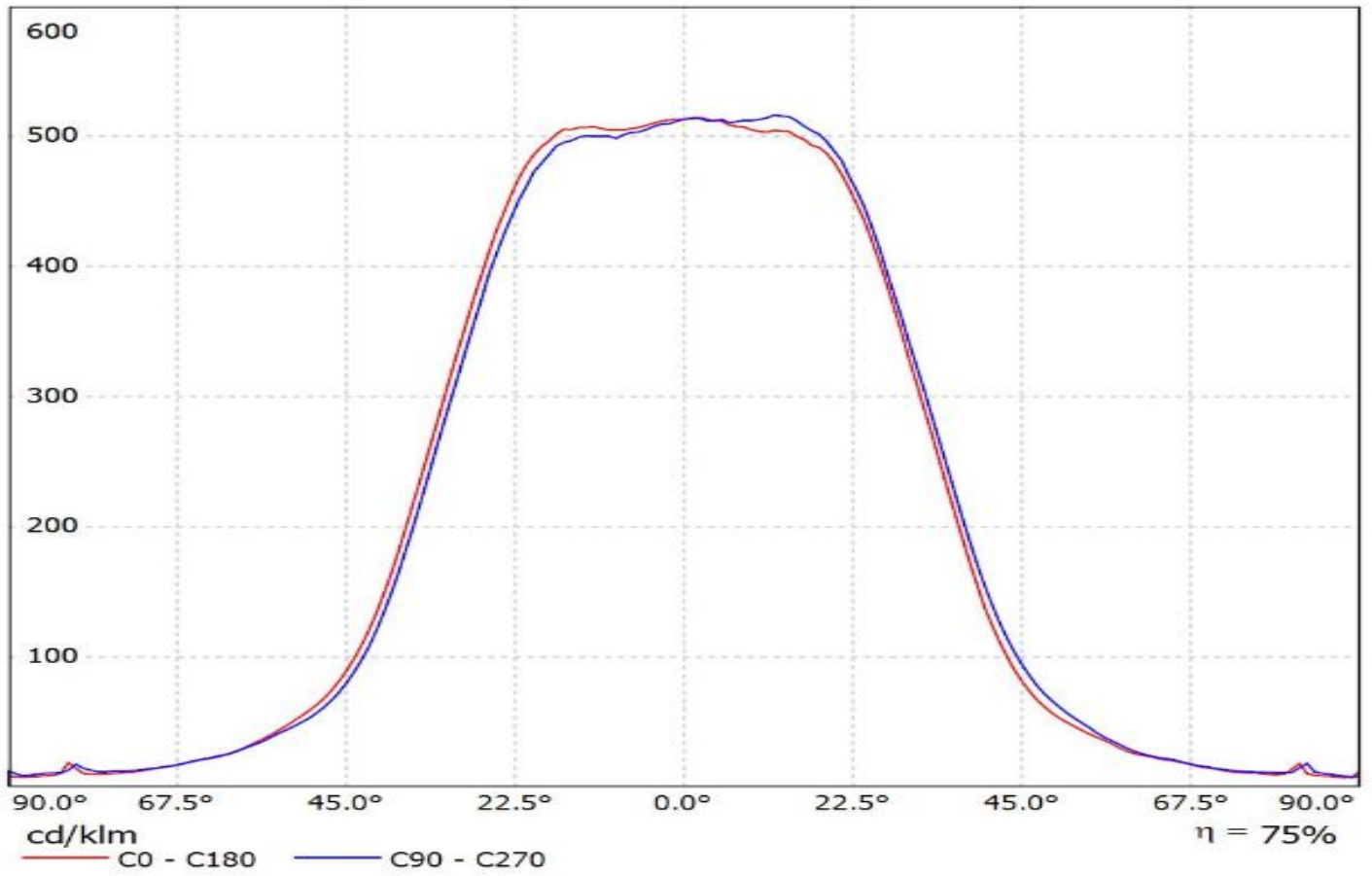
Luminaire: Ledil CS14839\_HB-2X2MX-WWW\_(LUXEON\_M)

Lamps: 1 x LUXEON\_M\_2X2\_(LXM8-SW30)\_1445.21lm@250mA\_P=11.117W\_I=0.25A



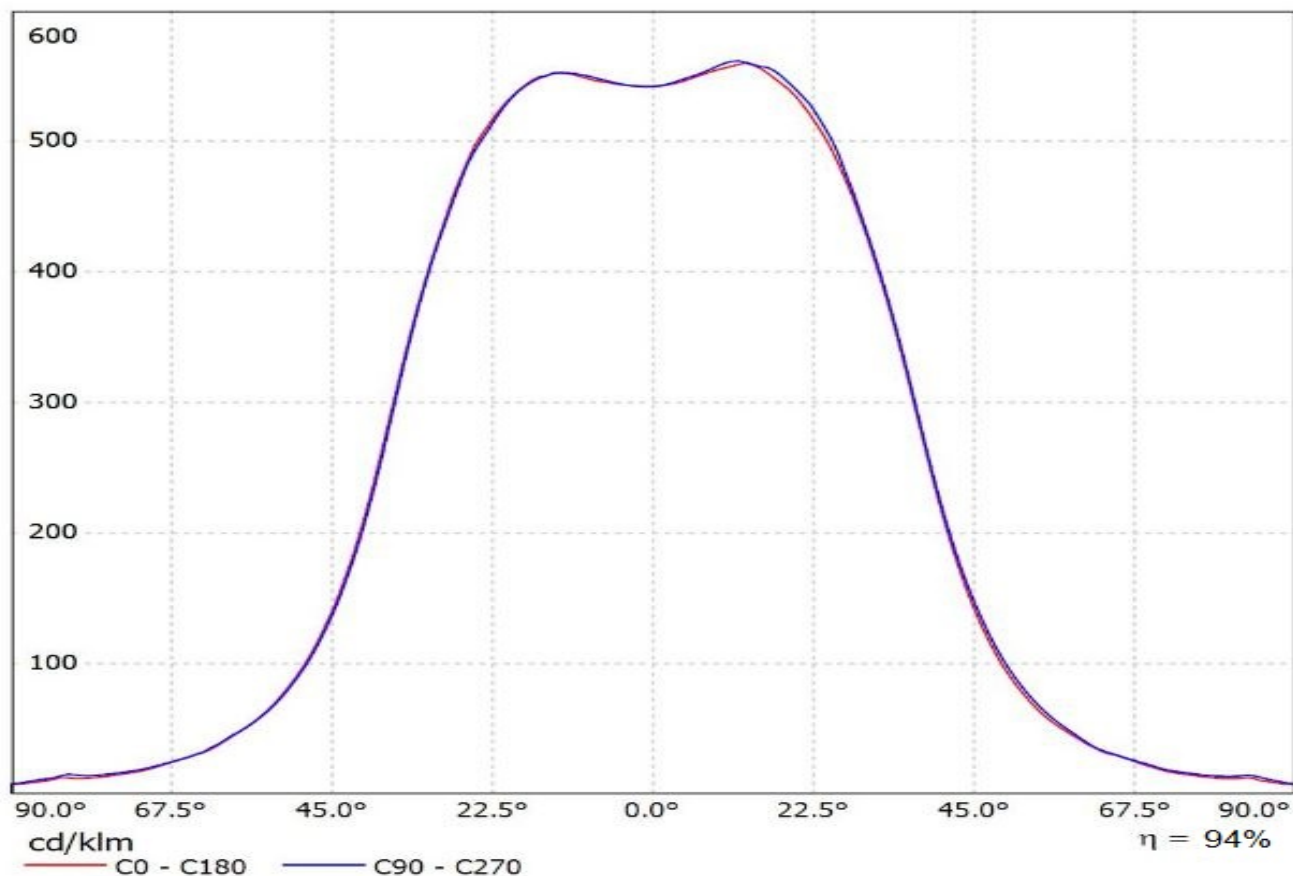
Luminaire: Ledil CS14839\_2X2MX-WWW\_(LUXEON\_MZ)

Lamps: 1 x LUXEON\_MZ\_2X2\_(LMZ9-SW30)\_1377.64lm@250mA\_CCT=3000K\_P=11.05W\_I=0.25A

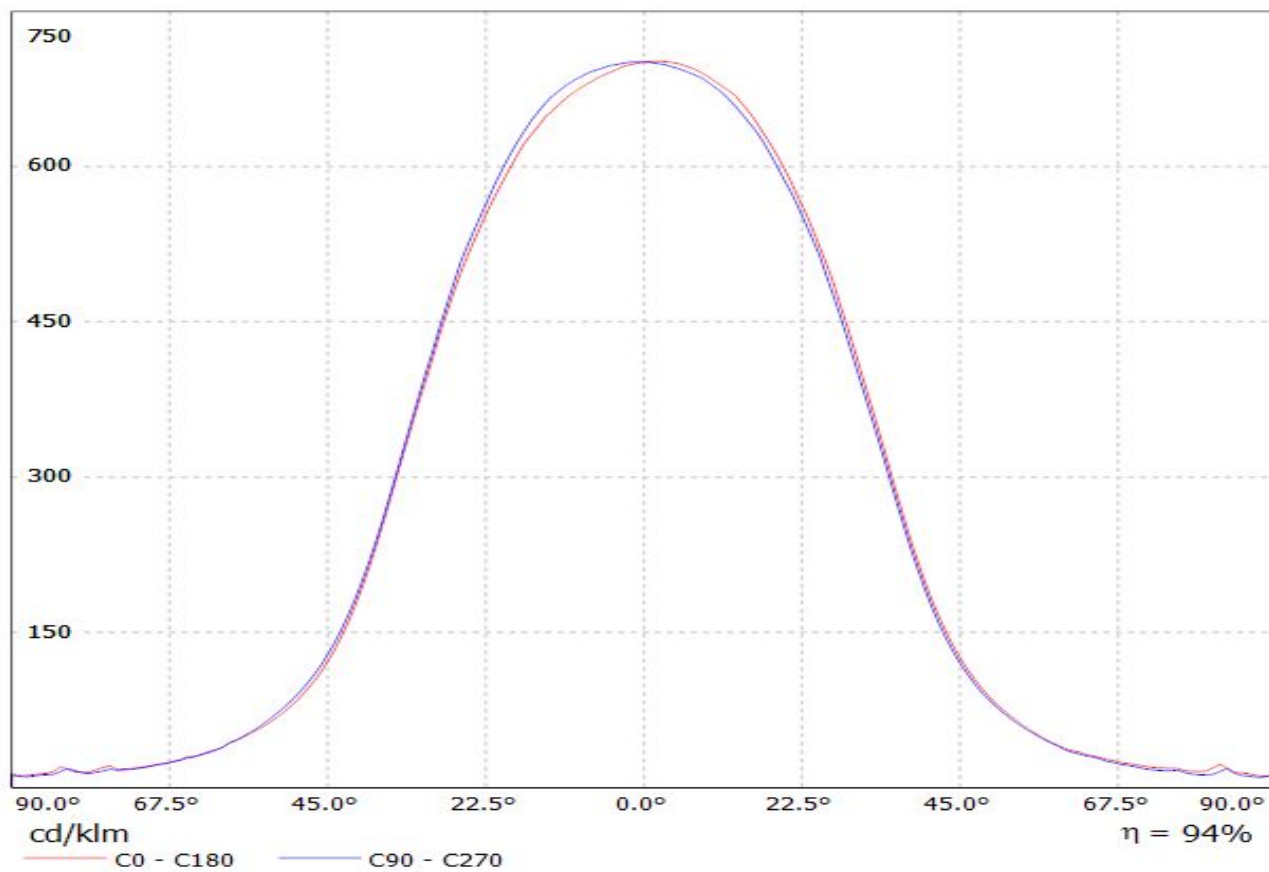


Luminaire: Ledil CS14839\_2X2MX-WWW\_(LUXEON\_XR-M)

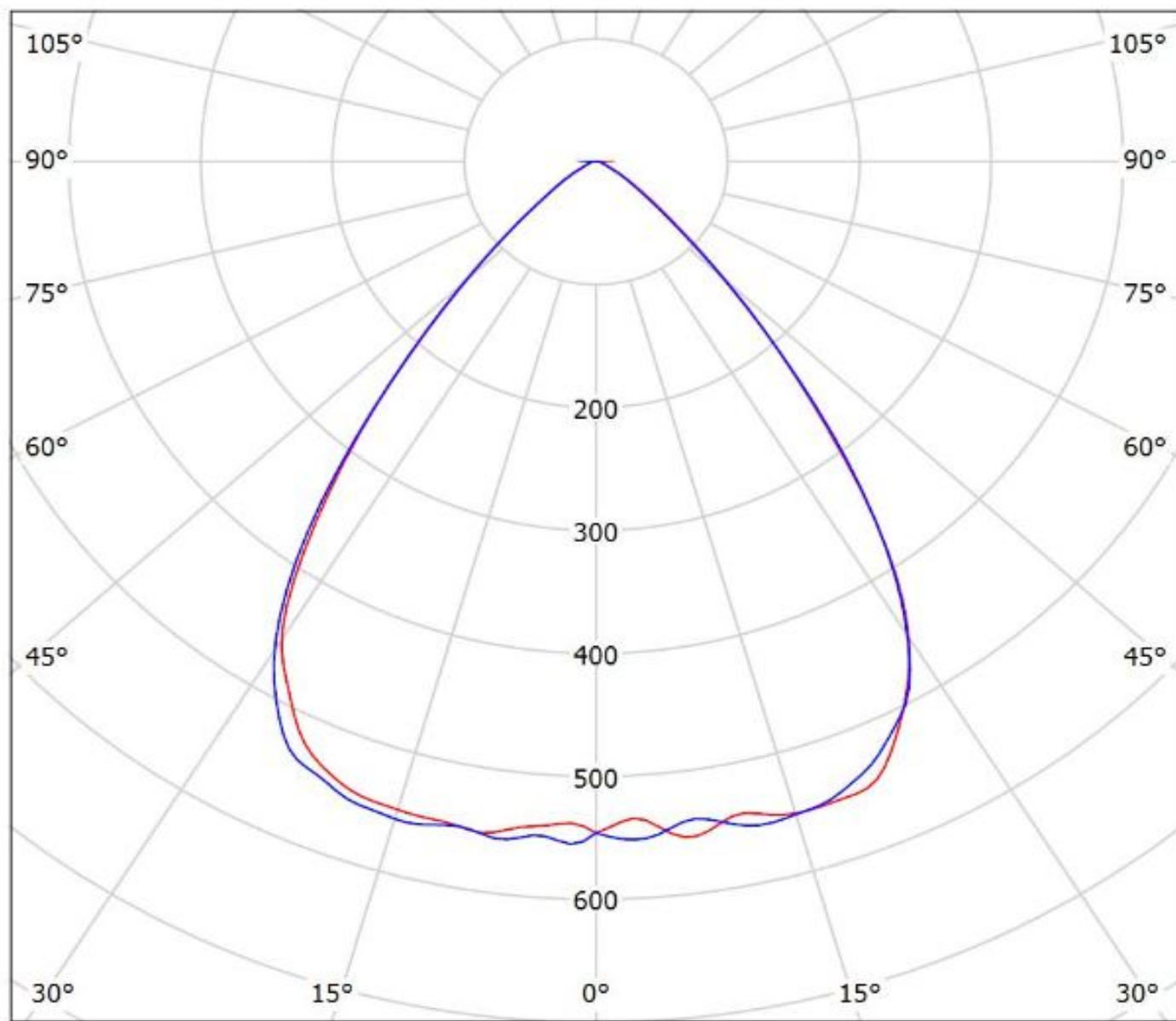
Lamps: 1 x LUXEON\_XR-M\_SQUARE\_2X2\_(L2M0-577004MC2200)\_1804.92lm@250mA\_P=10.9345W\_I=0.25A



Luminaire: LEDiL Oy CS14839\_HB-2X2MX-WWW\_(Duris\_S10)  
Lamps: 1 x Osram\_Duris\_S10\_1454.14lm@100mA\_P=10.018W\_I=0.100A



Luminaire: Ledil Oy CS14839\_HB-2X2MX-WWW\_BRIDGELUX\_SMD\_5050\_SIMULATED  
Lamps: 1 x BRIDGELUX SMD 5050



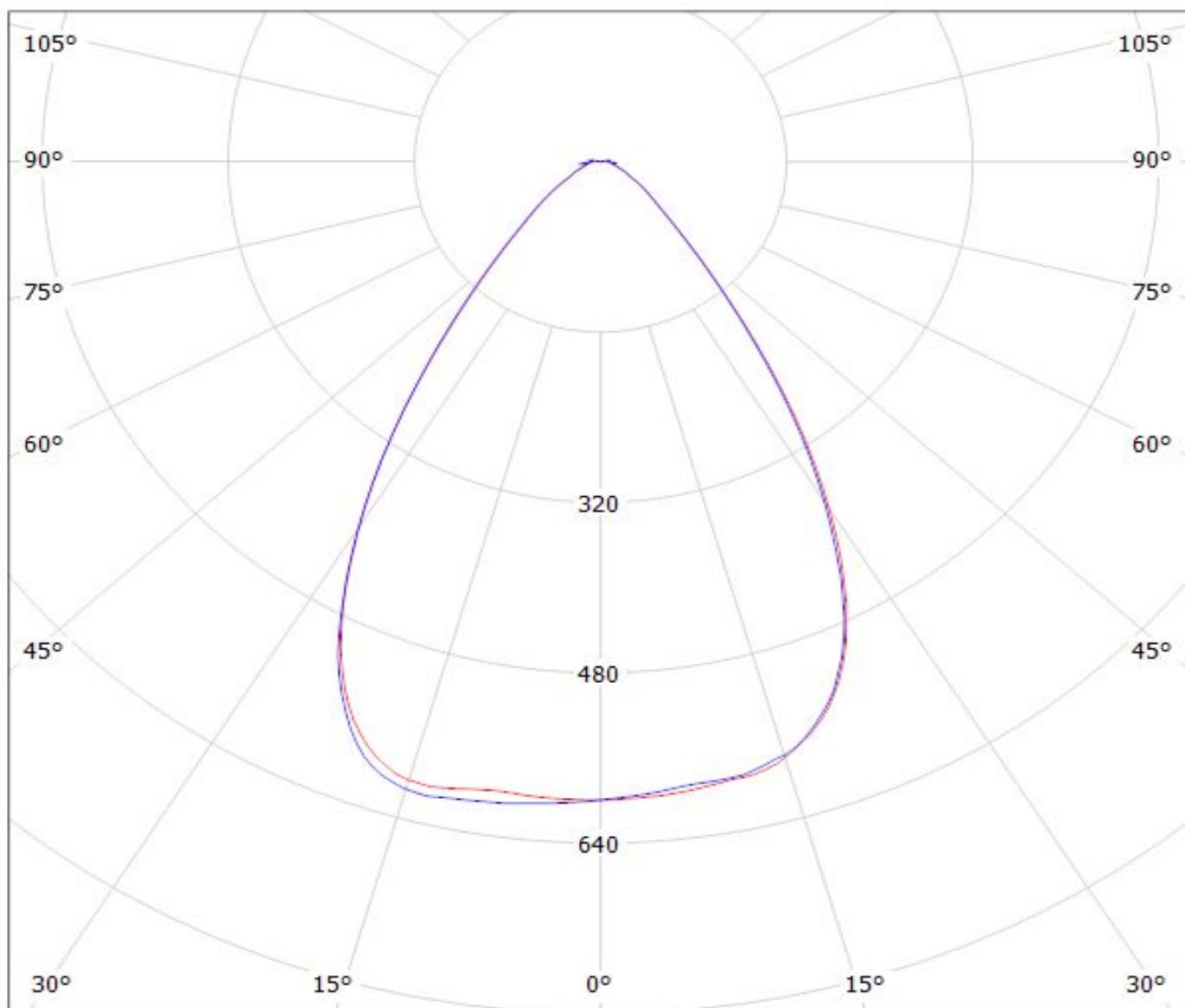
cd/klm

— C0 - C180 — C90 - C270

$\eta = 96\%$



Luminaire: LEDiL Oy CS14839\_HB-2X2MX-WWW\_(PSL440)\_GS  
Lamps: 1 x Citizen\_PSL440\_1034.87lm@250mA\_P=11.3823W\_I=0.250A



cd/klm

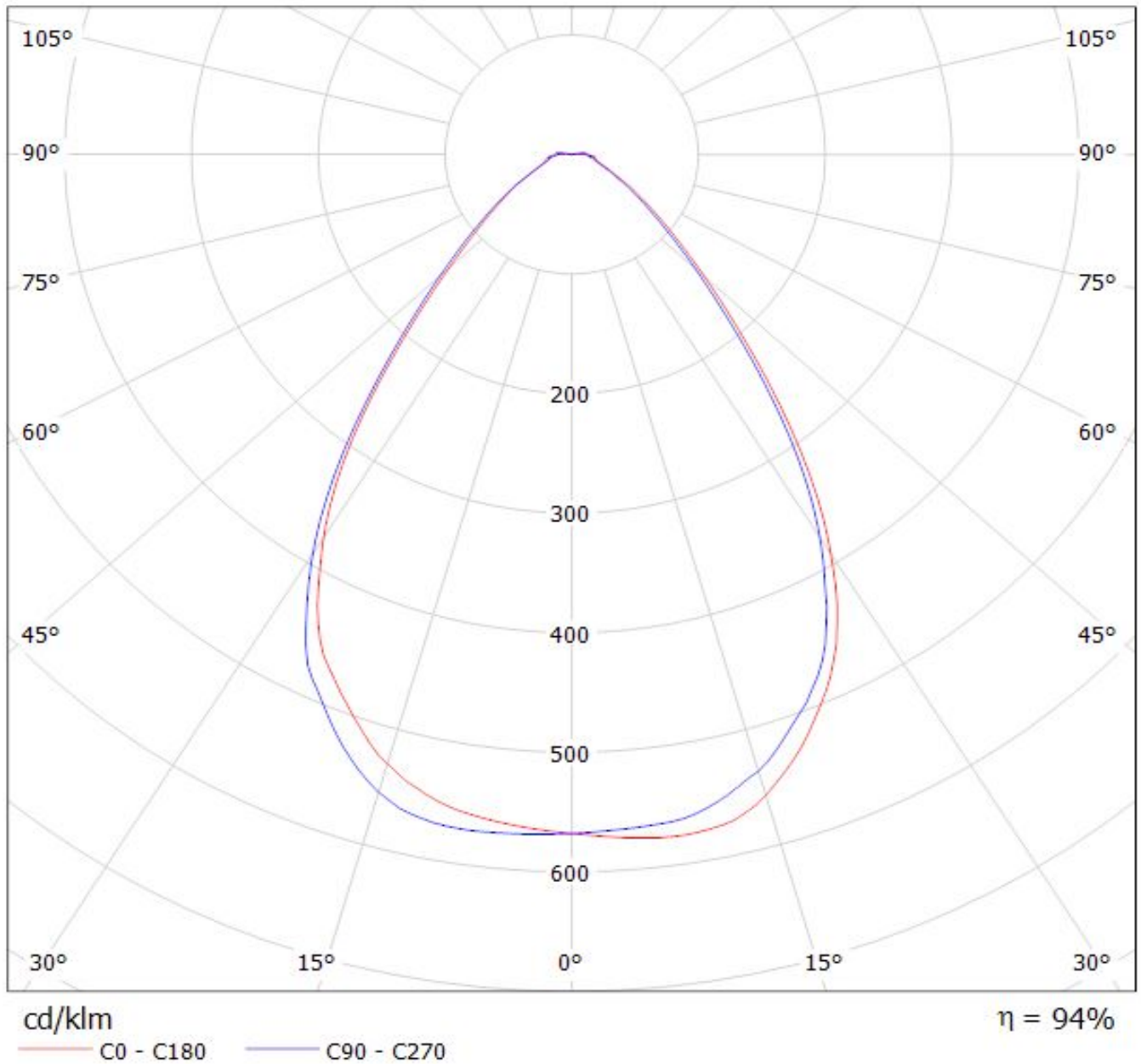
— C0 - C180

— C90 - C270

$\eta = 92\%$

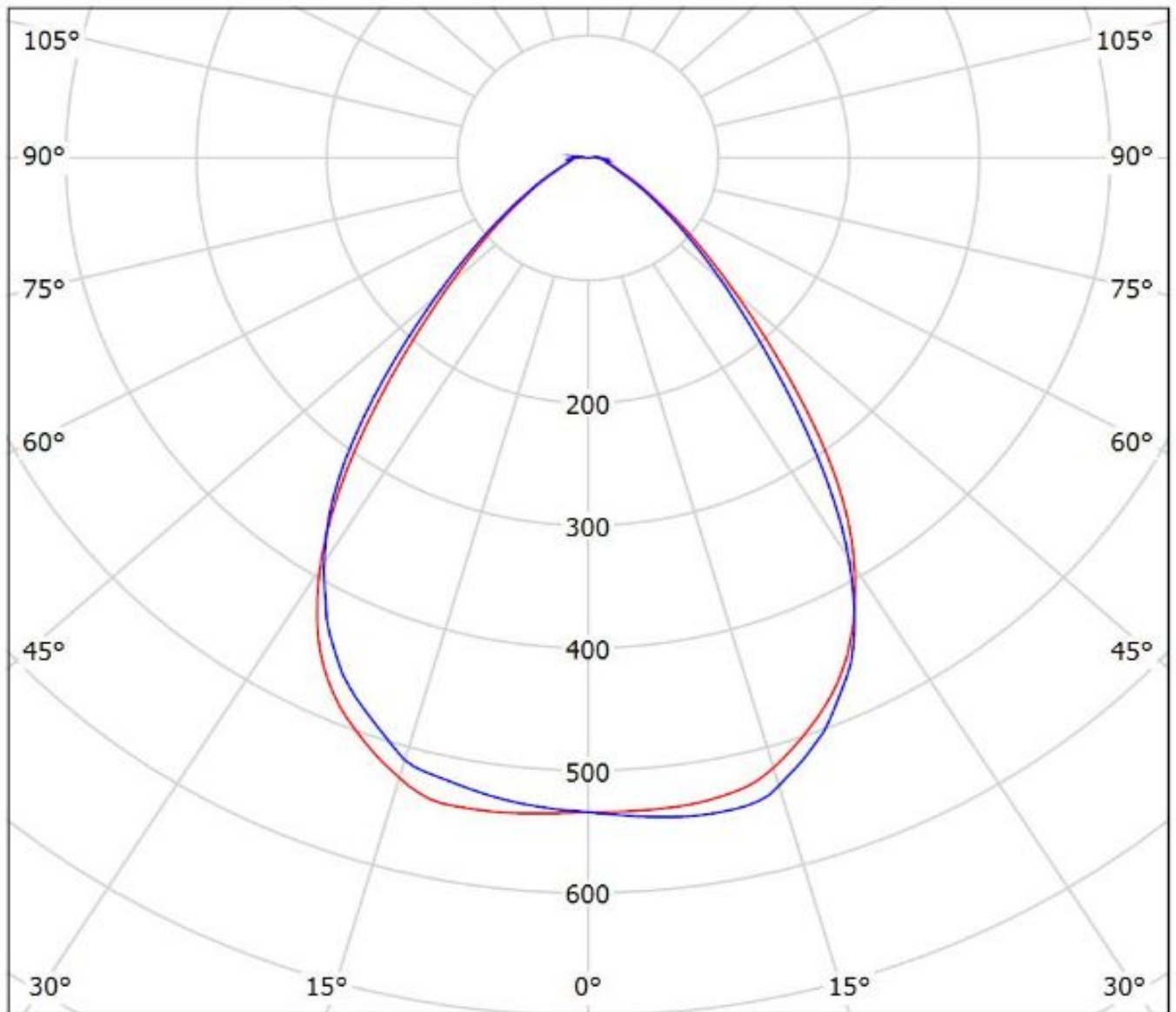
Luminaire: LEDiL Oy CS14839\_HB-2X2MX-WWW\_(PSL445)

Lamps: 1 x Citizen\_PSL445\_2x2\_1674.9lm@250mA\_P=11.1421W\_I=0.250A\_CCT=2700K



Luminaire: Ledil CS14839\_HB-2X2MX-WWW\_(XHP70)

Lamps: 1 x Cree\_XHP70-2x2\_Mx\_1522.16lm@250mA\_P=11.084W\_I=0.25A



cd/klm

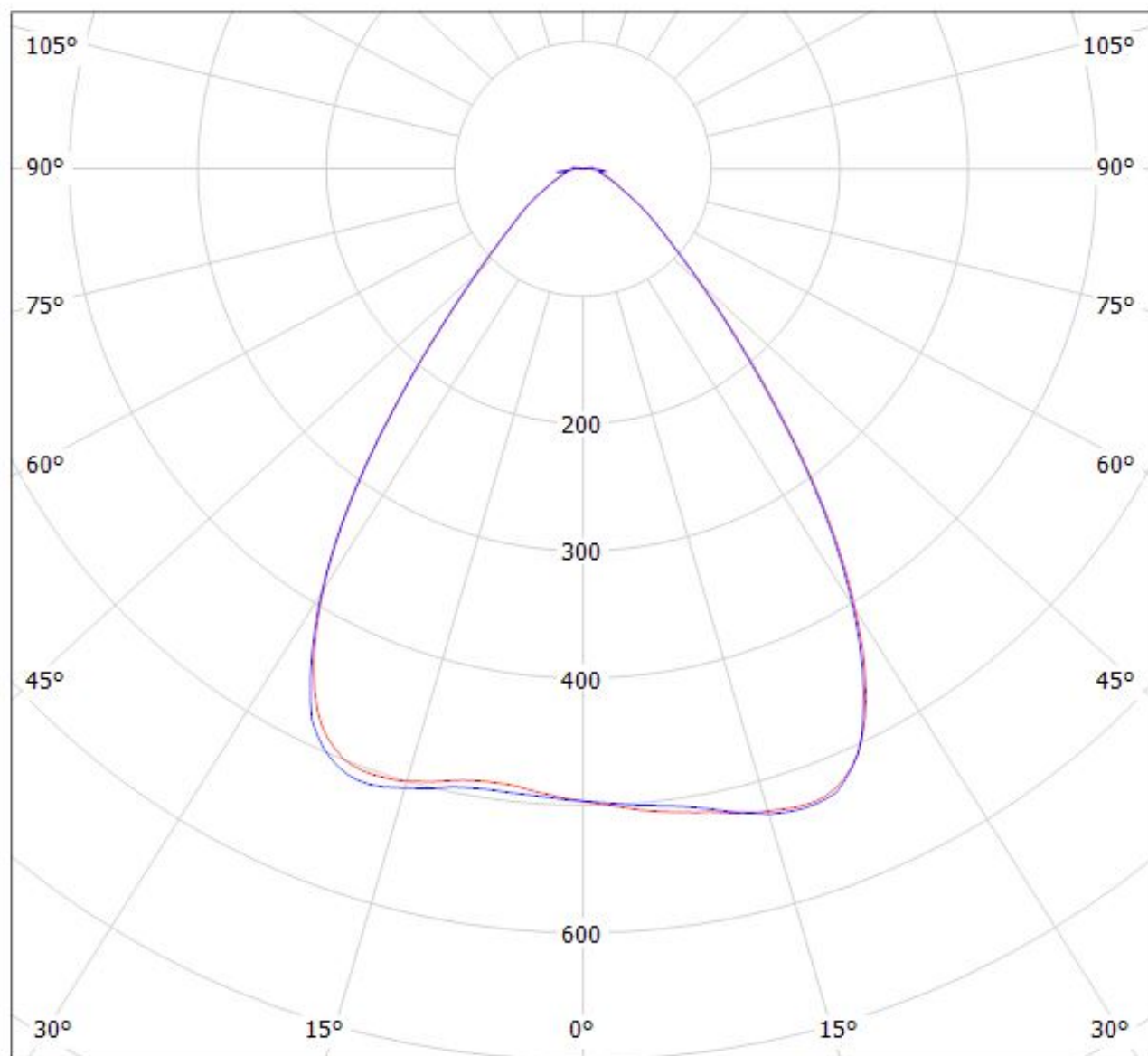
— C0 - C180

— C90 - C270

$\eta = 93\%$

Luminaire: LEDiL Oy CS14839\_HB-2X2MX-WWW\_(XHP35\_HD)

Lamps: 1 x Cree\_XHP35\_HD\_(XHP35A-0-2D0-D40-D0-B-01)\_1728.98lm@250mA\_P=11.3112W\_I=0.250A



cd/klm

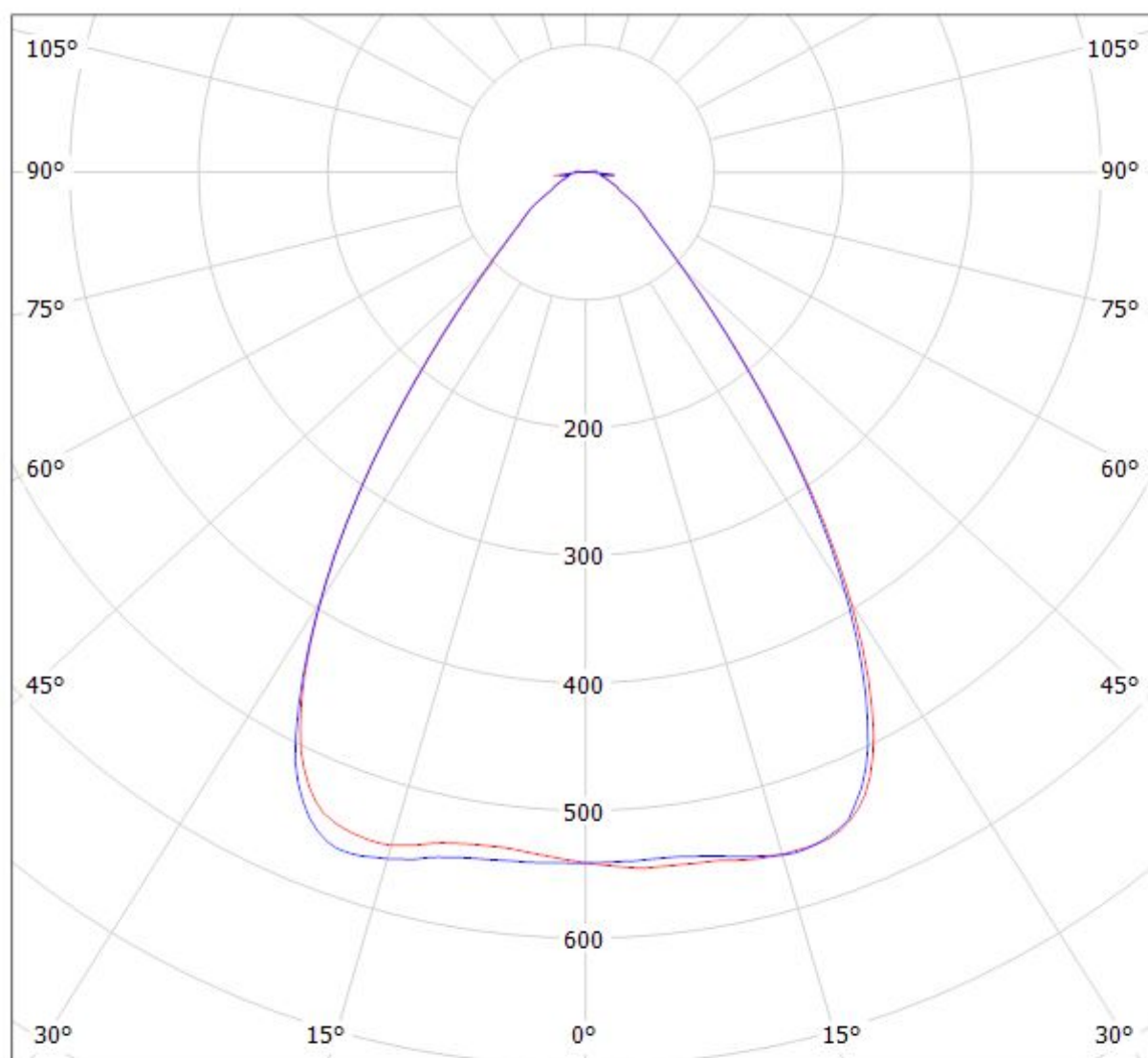
$\eta = 93\%$

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy CS14839\_HB-2X2MX-WWW\_(XHP35\_HI)

Lamps: 1 x Cree\_XHP35\_HI\_(XHP35A-H-5C0-D40-D0-B-01)\_1615.75lm@250mA\_CCT=4000K\_P=11.4373W\_I=0.250A



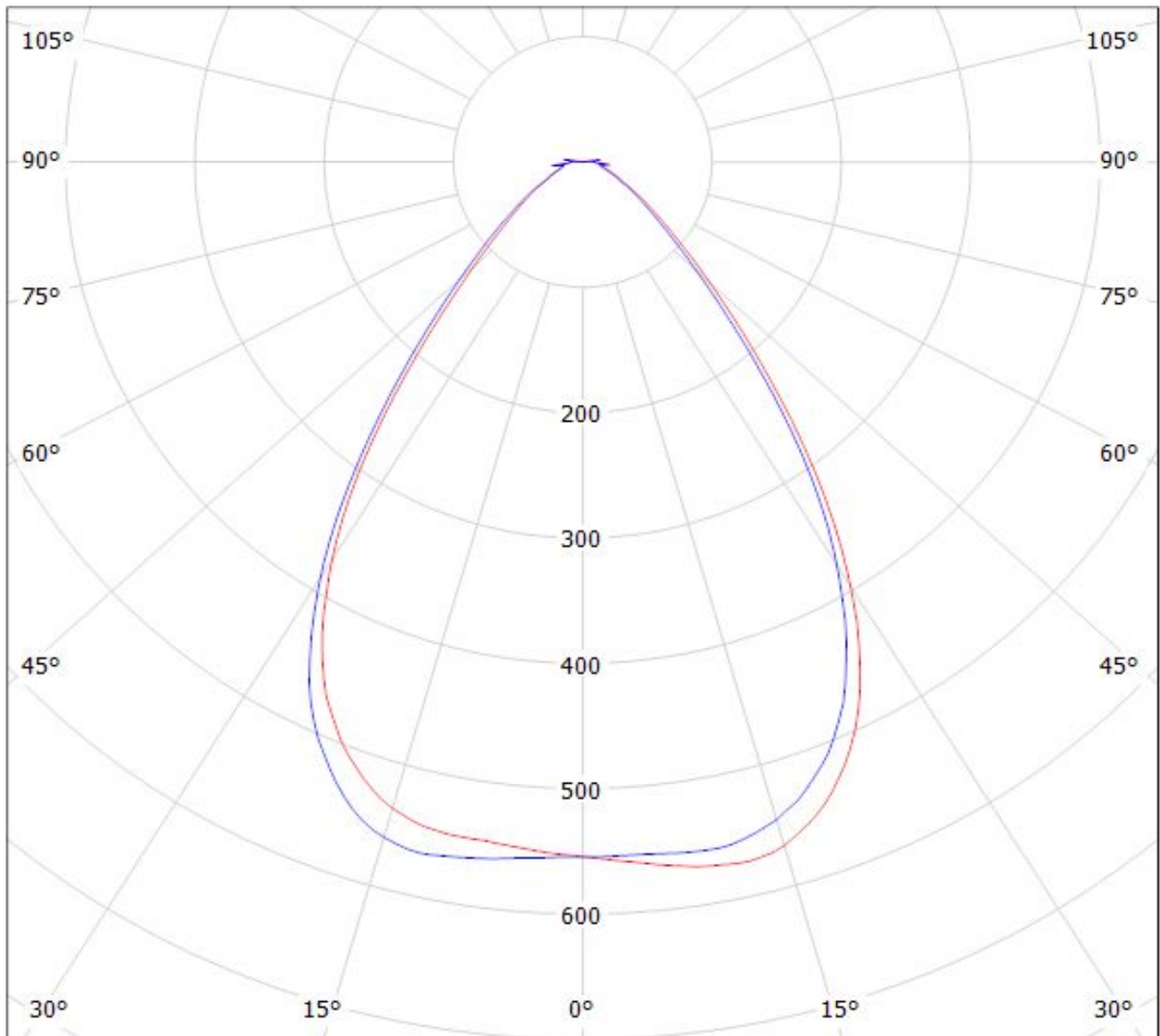
cd/klm

$\eta = 93\%$

— C0 - C180 — C90 - C270

Luminaire: LEDiL Oy CS14839\_HB-2X2MX-WWW\_(XHP50)

Lamps: 1 x Cree\_XHP50\_(XHP50-0-1B0-J20-D0-B-01)\_1815.51lm@250mA\_P=11.4658W\_I=0.250A



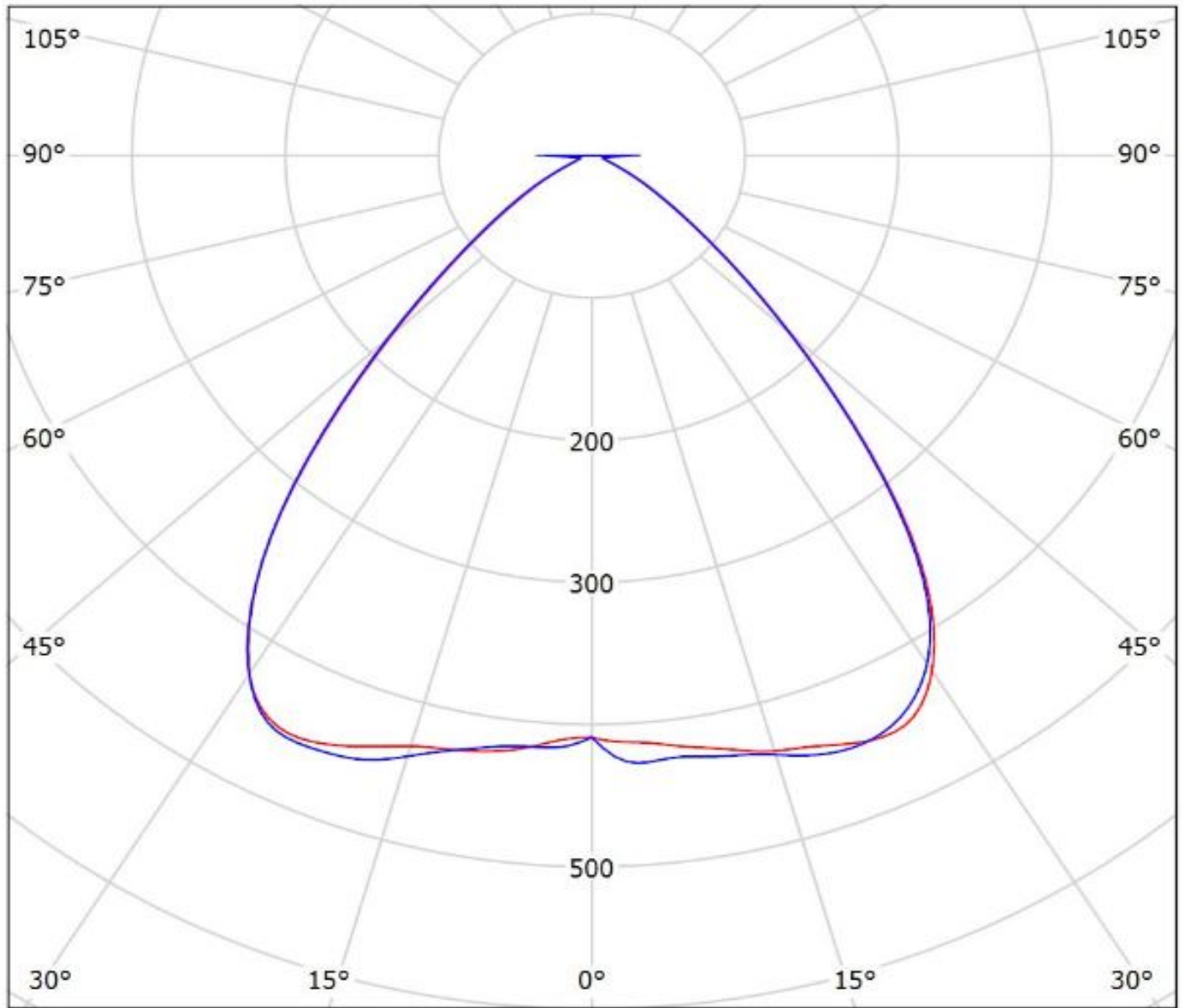
cd/klm

— C0 - C180

— C90 - C270

$\eta = 93\%$

Luminaire: Ledil Oy CS14839\_HB-2X2MX-WWW\_(XHP50\_2)\_SIMULATED  
Lamps: 1 x Cree XHP50.2

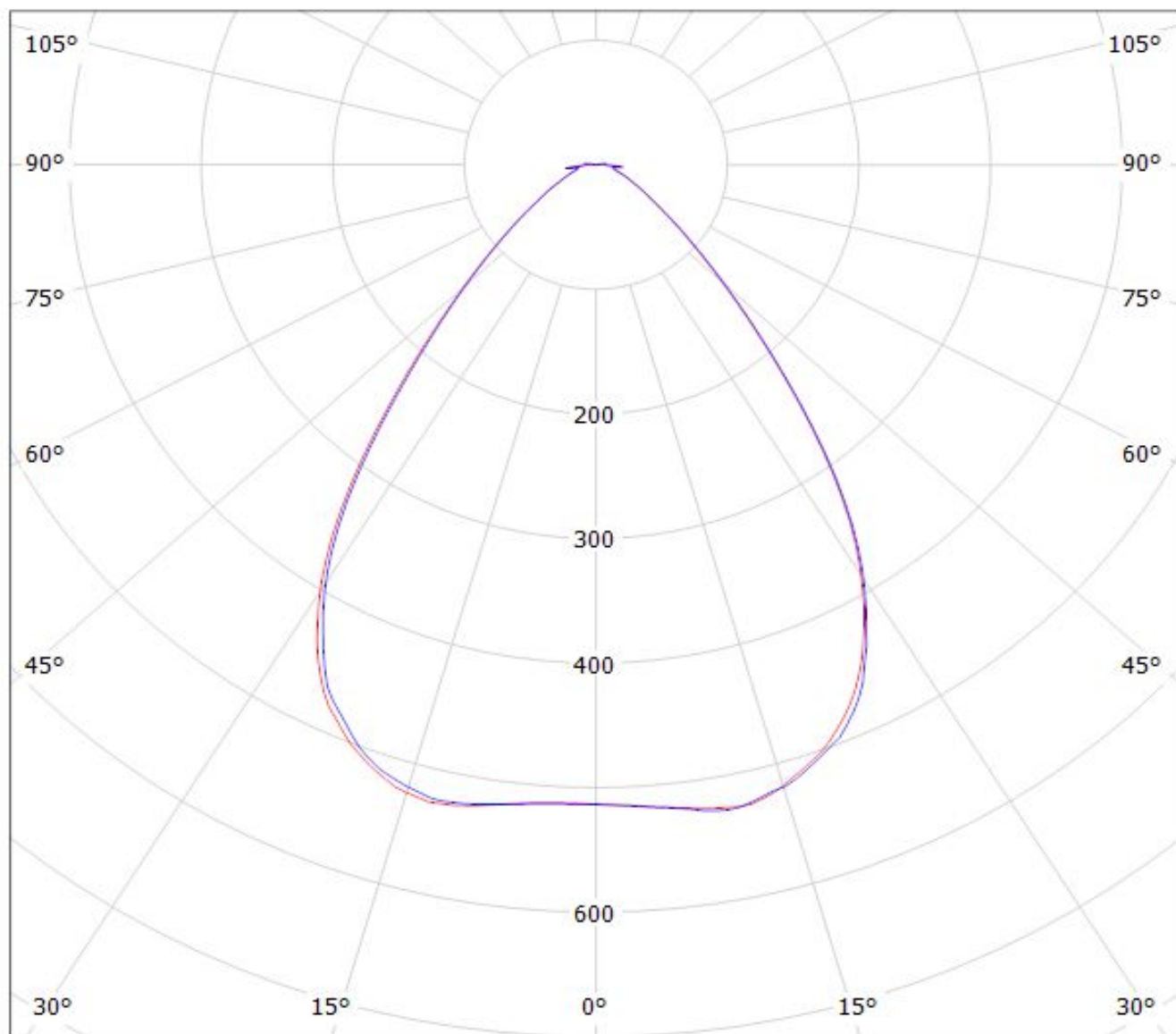


cd/klm

— C0 - C180 — C90 - C270

$\eta = 95\%$

Luminaire: LEDiL Oy CS14839\_HB-2X2MX-WWW\_(H70E0)  
Lamps: 1 x LG\_H70E0\_1790.78lm@250mA\_P=11.2987W\_I=0.250A



cd/klm

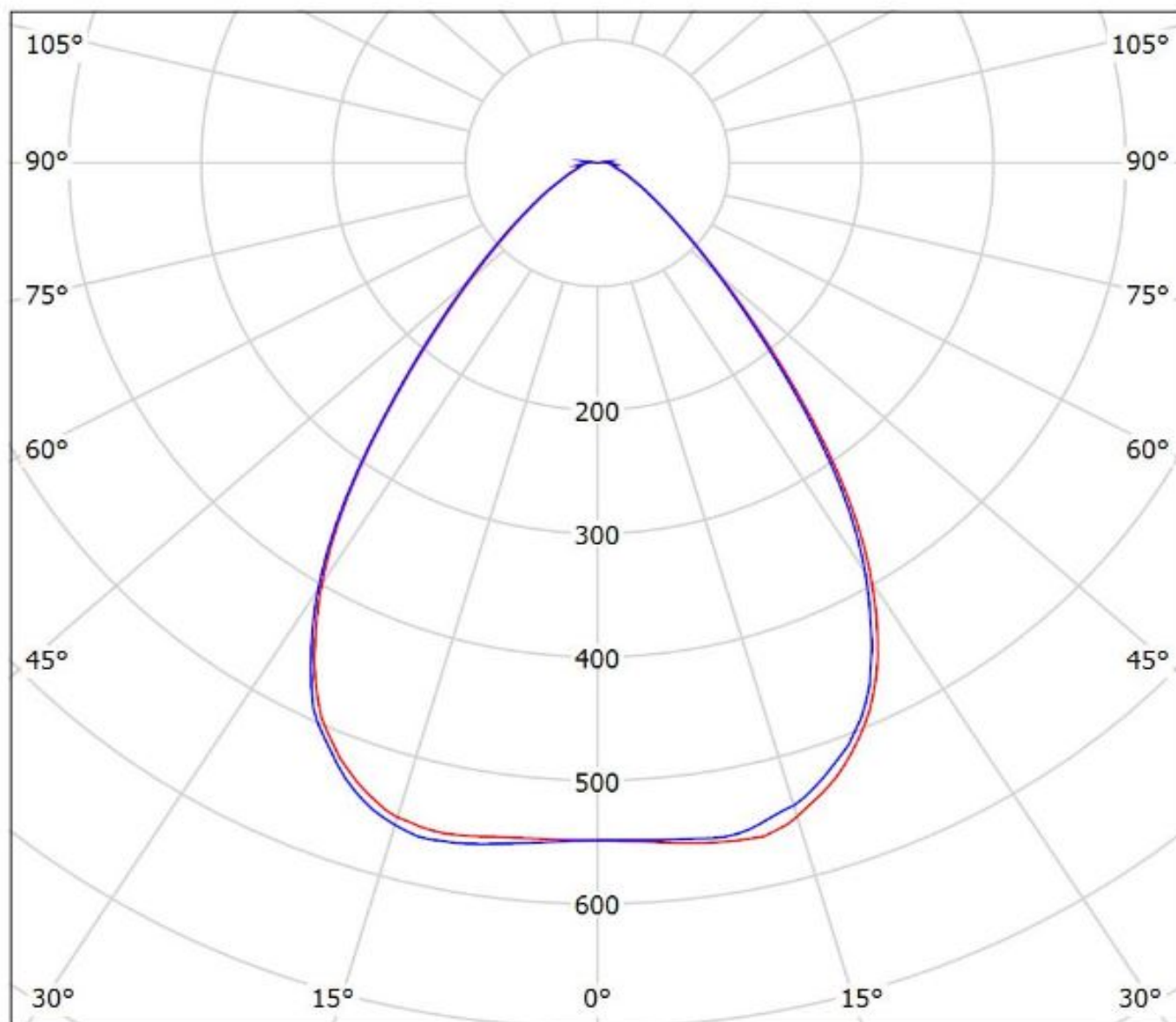
$\eta = 93\%$

— C0 - C180    — C90 - C270



Luminaire: Ledil CS14839\_HB-2X2MX-WWW\_(LUXEON\_M)

Lamps: 1 x LUXEON\_M\_2X2\_(LXM8-SW30)\_1445.21lm@250mA\_P=11.117W\_I=0.25A



cd/klm

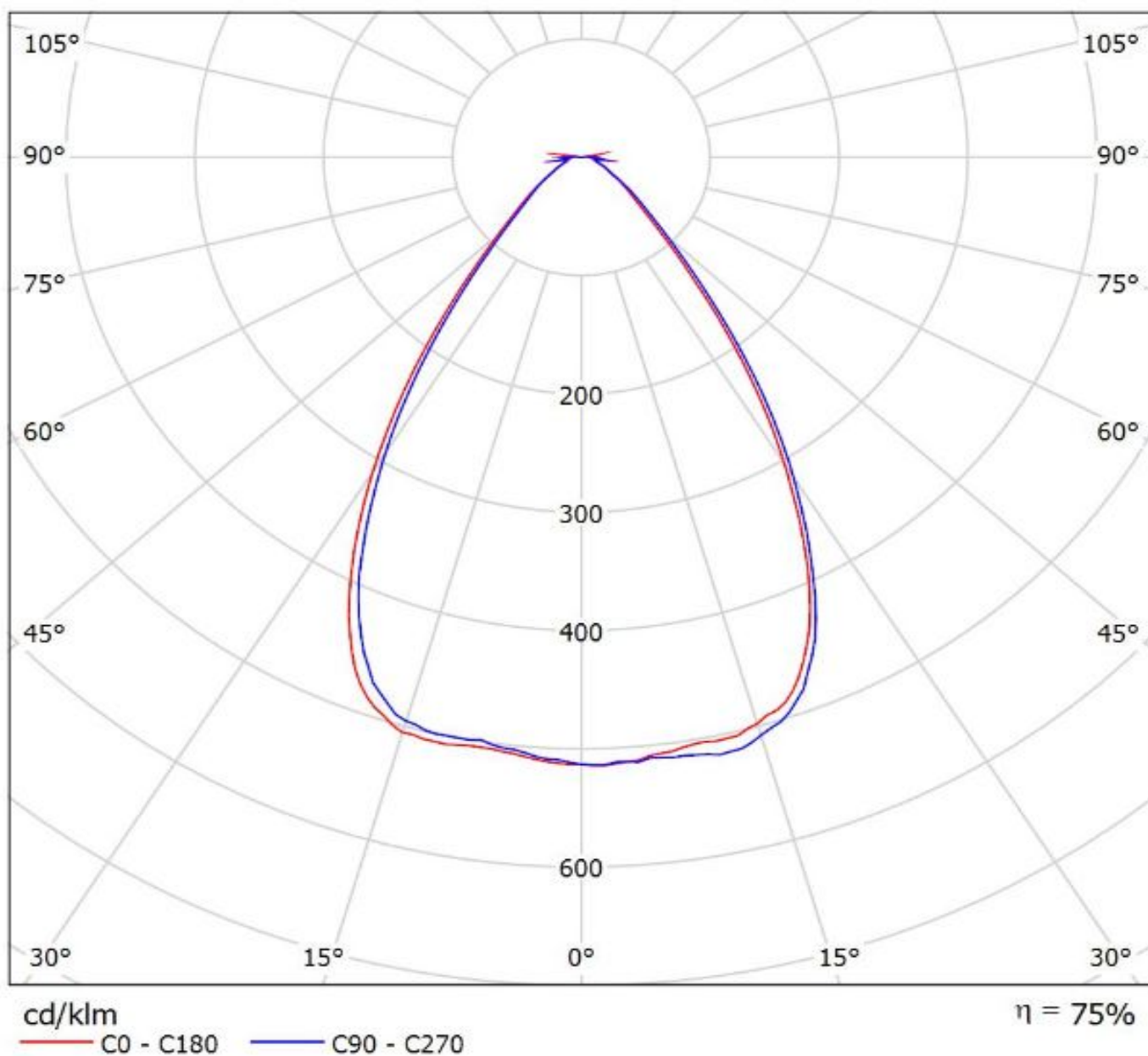
— C0 - C180

— C90 - C270

$\eta = 93\%$

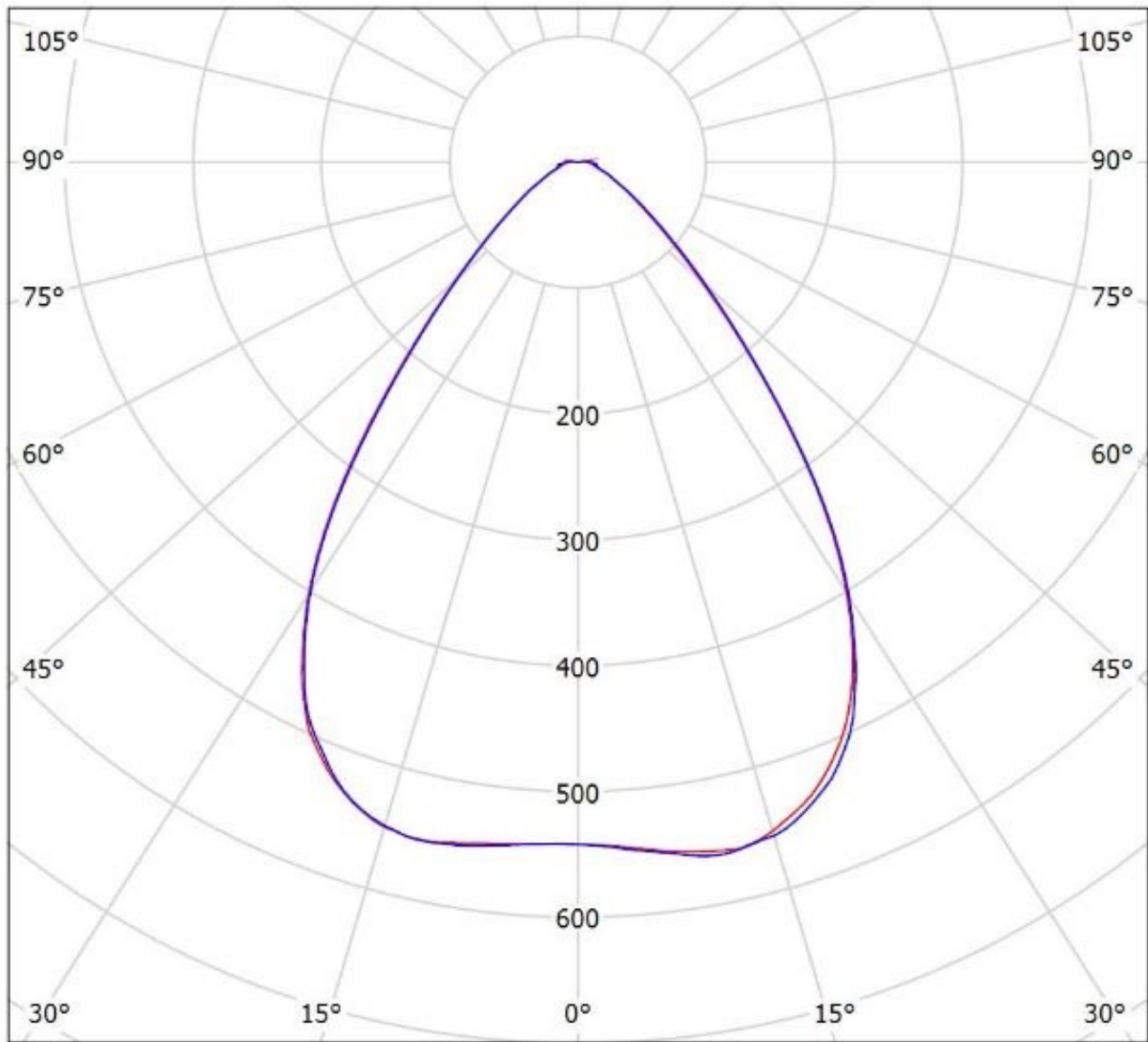
Luminaire: Ledil CS14839\_2X2MX-WWW\_(LUXEON\_MZ)

Lamps: 1 x LUXEON\_MZ\_2X2\_(LMZ9-SW30)\_1377.64lm@250mA\_CCT=3000K\_P=11.05W\_I=0.25A



Luminaire: Ledil CS14839\_2X2MX-WWW\_(LUXEON\_XR-M)

Lamps: 1 x LUXEON\_XR-M\_SQUARE\_2X2\_(L2M0-577004MC2200)\_1804.92lm@250mA\_P=10.9345W\_I=0.25A



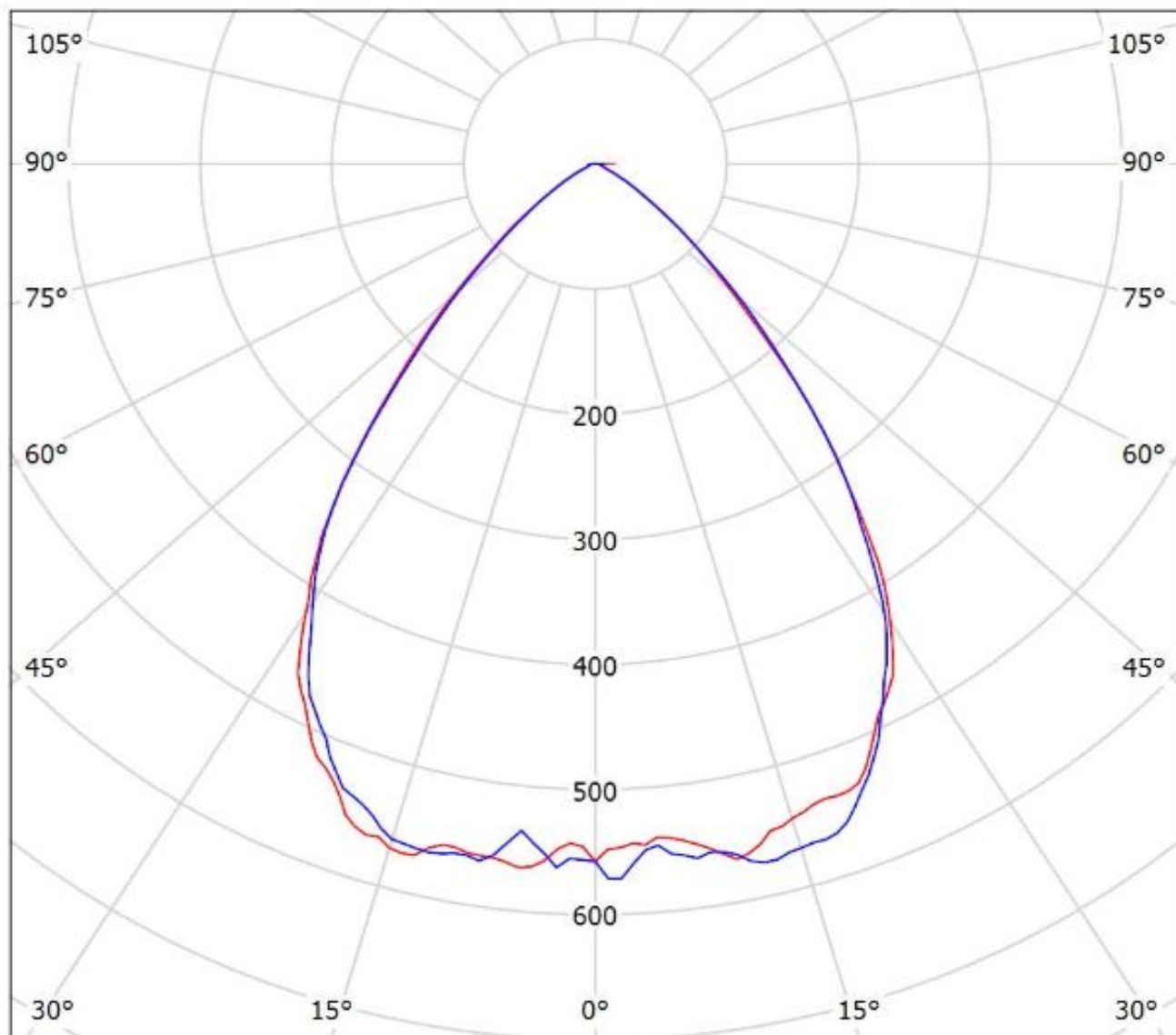
cd/klm

— C0 - C180

— C90 - C270

$\eta = 94\%$

Luminaire: Ledil Oy CS14839\_HB-2X2MX-WWW\_NFMW488AR\_SIMULATED  
Lamps: 1 x NICHIA NFMW488AR

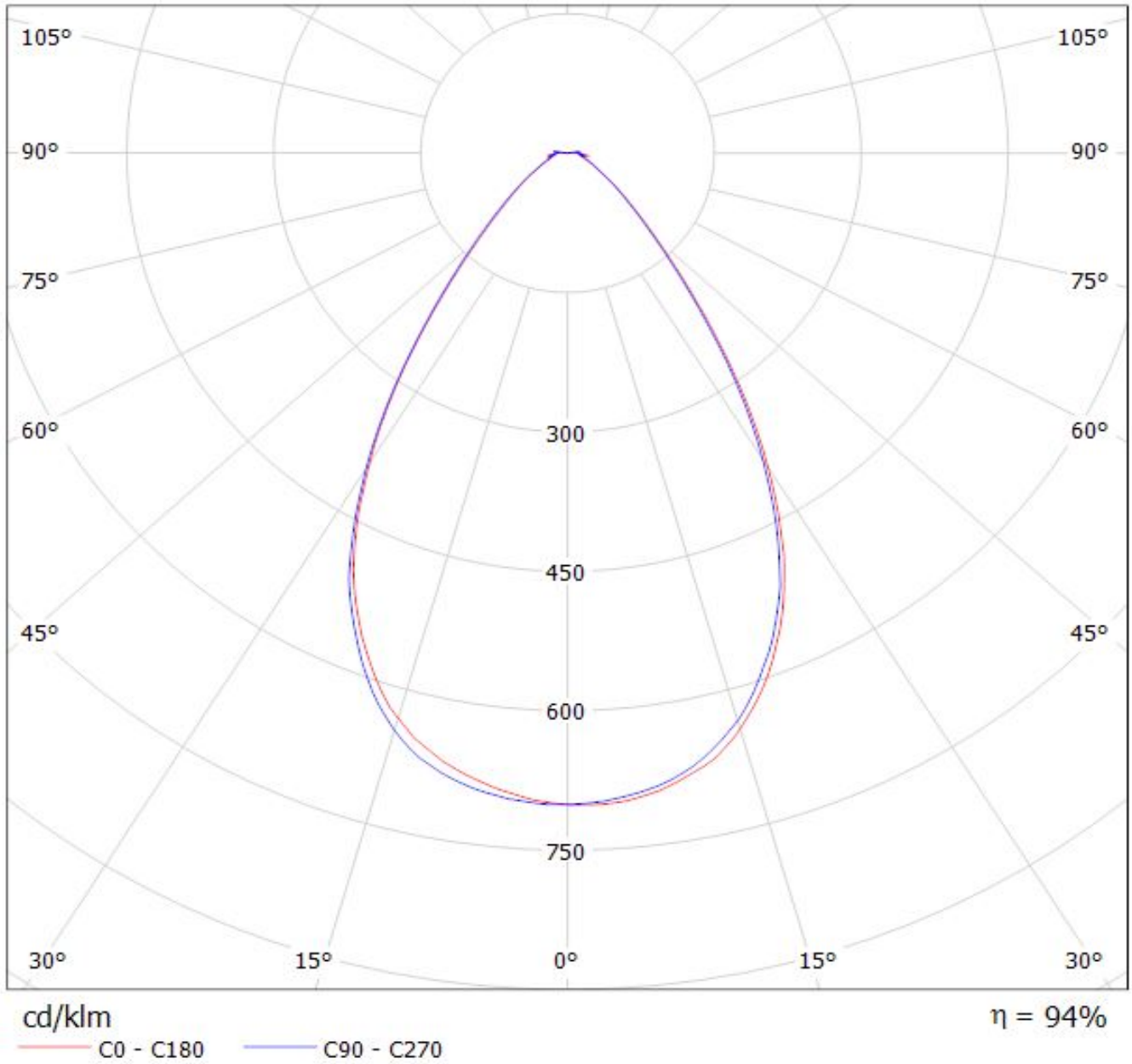


cd/klm

— C0 - C180 — C90 - C270

$\eta = 94\%$

Luminaire: LEDiL Oy CS14839\_HB-2X2MX-WWW\_(Duris\_S10)  
Lamps: 1 x Osram\_Duris\_S10\_1454.14lm@100mA\_P=10.018W\_I=0.100A



**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.**

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