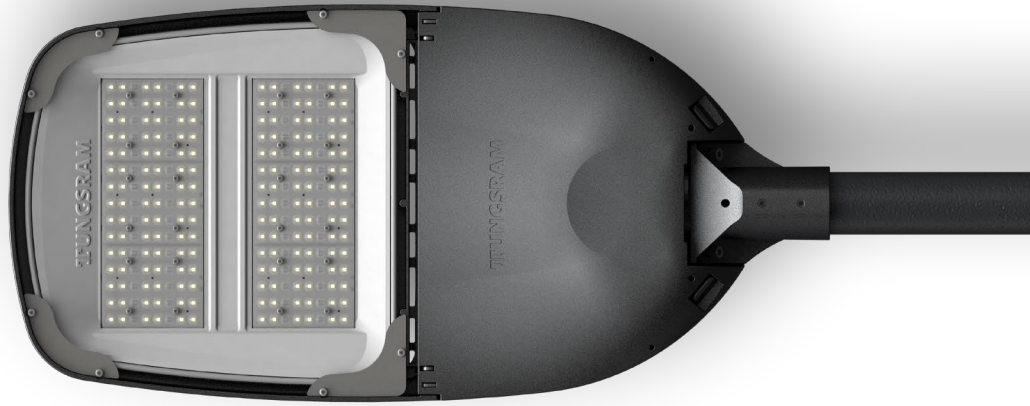


**TUNGSRAM™**

Innovation is our heritage  
EST. 1896



# INLUMINO

Smart road lighting family

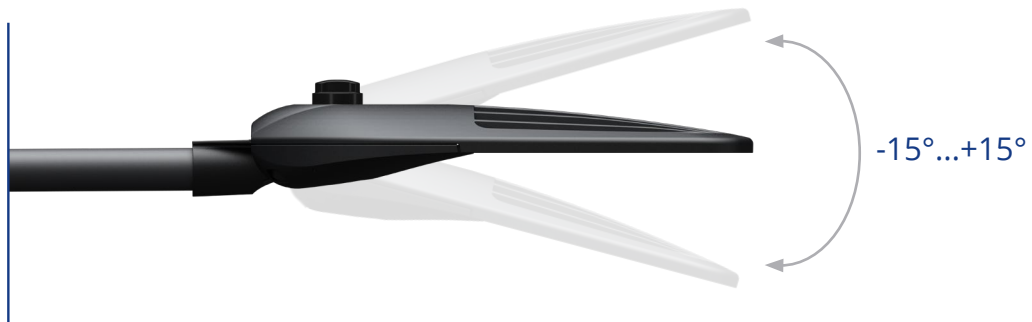
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[tungsr.com](http://tungsr.com)





Only two hand-tools required for installing the fixture



Coupler can be adjusted by 5°  
-15°, -10°, -5°, 0°, 5°, 10°, 15°

# TOOL-LESS MAINTENANCE



Press here to open the fixture

“click and flip”  
“twist and lock”



Tool-less hinged opening and lift-off head with automatic electrical disconnect



# SMART READY



Smart ready luminaire with an option form NEMA socket



Airgap for optimized cooling and long lifetime

# Inlumino

## size L+



## Product information

The new Tungsram luminaire, with its innovative and unique solutions, is an excellent choice for road and street applications. The key aspects of the lamp development are the simple and fast installation, the tool-free repair options and the diverse usage. The luminaire meets the expectations of the 21st century: sleek design, and high efficiency. Inlumino is also suitable for a variety of applications, as it can be installed as a light source or easily upgraded to an IoT data point. Take advantage of the innovation from Tungsram and optimize your outdoor lighting with the new range of Inlumino luminaires.

## Application areas



Roadways  
and Highways



Highmast

## Driver features

- Electronic, dimmable driver
- Controls: 1-10V, DALI, Autonomous dimming, CLO
- Thermal protection

## Structures and materials

- Housing material: die-cast aluminium body and coupler, with stainless steel screws.
- Optic material: Optical-grade polycarbonate
- Optical cover: Tempered glass
- Colour: RAL7021
- Impact Strength: IK09 (glass) / IK09 (housing) / IK08 (Shorting Cap)

## Electrical

Input: 90-305V, 47-63Hz  
Rated input: 220-240V, 50-60Hz  
IEC protection class: Class I  
Driver immunity: 10kV  
Rated input power: Up to 367 W

## Installation and maintenance

Mounting options:

- Side mounting coupler for 30-76mm diameters and -15°, -10°, -5°, 0°, +5°, +10°, +15° tilt options
- Post top mounting coupler for 30-76mm diameters and -15°, -10°, -5°, 0°, +5°, +10°, +15° tilt options
- Weight: 13.5 kg
- Recommended mounting height: 6-25 m
- Only two hand-tools required for installing the fixture
- Tool-less hinged opening and lift-off head with automatic electrical disconnect
- Storage temperature from -40°C to +85°C
- Ambient temperature from -40°C to +50°C

## Optics

64 different optic combinations would be available which are suitable for pedestrian streets to high traffic roads.

Rated colour rendering index > 70

Rated correlated colour temperatures: 2700K, 3000K, 4000K, 5000K

ULOR: 0

Rated initial chromaticity co-ordinate values:

- 2700K: CIE(x=0.4582, y=0.4099) 5SDCM, 3SDCM on request
- 3000K: CIE(x=0.4338, y=0.403) 5SDCM, 3SDCM on request
- 4000K: CIE(x= 0.3818, y= 0.3797) 5SDCM, 3SDCM on request
- 5000K: CIE(x= 0.34, y= 0.35) 5SDCM

## Performance

- Rated luminous flux range: Up to 50.000 lm
- Rated luminaire efficacy: Up to 158 lm/W at 5000K
- Rated median useful life and the associated rated LM factor:  
L90B50 > 140.000 hours  
L80B50 > 330.000 hours
- Rated abrupt failure value: < 10% at 100.000 hours
- Photometric code: 727/559, 730/559, 740/559, 750/559
- Lumen maintenance code: 9
- Definitions and tolerances according to IEC62722-2-1:2014

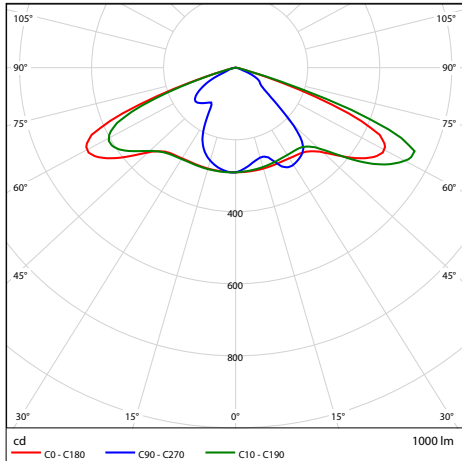
## Standards and regulation

CE, ENEC, Directive 2014/30/EU, 2014/35/EU, 2009/125/EC, 1194/2012/EU, 2011/65/EC, EN 60598, EN 62471, EN 55015, EN 61000, EN 62493, EN 61547, IEC 62031

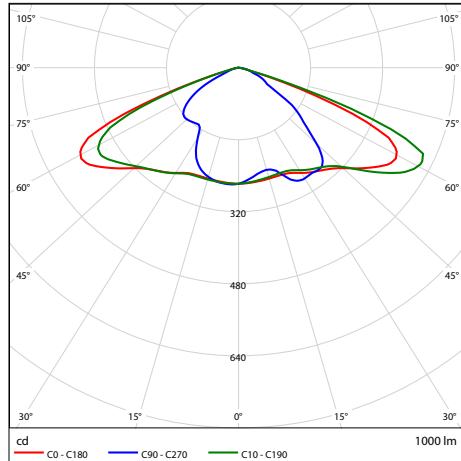
## Other options available

- Extra surge protection device (10kV/5kA)
- NEMA socket with shorting cap

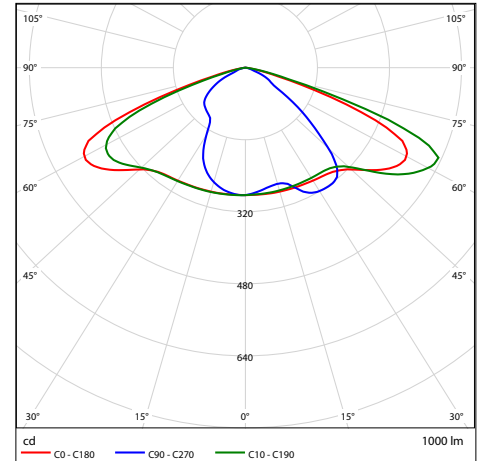
## Typical photometric features



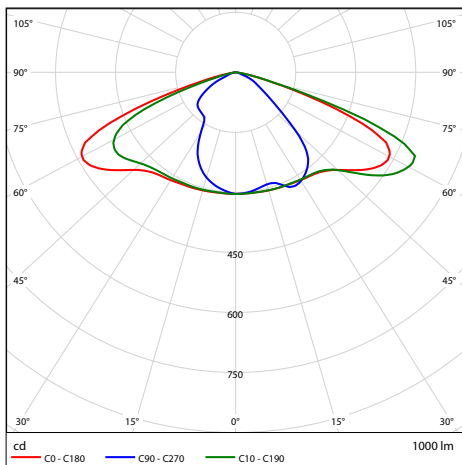
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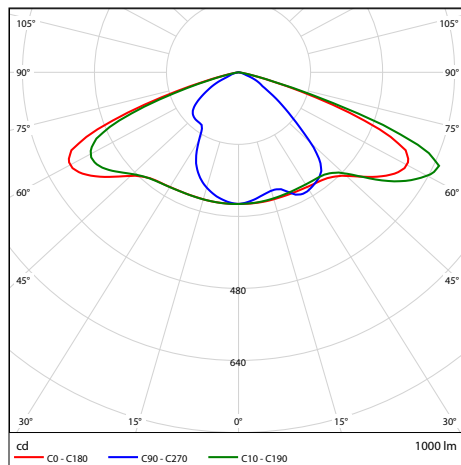
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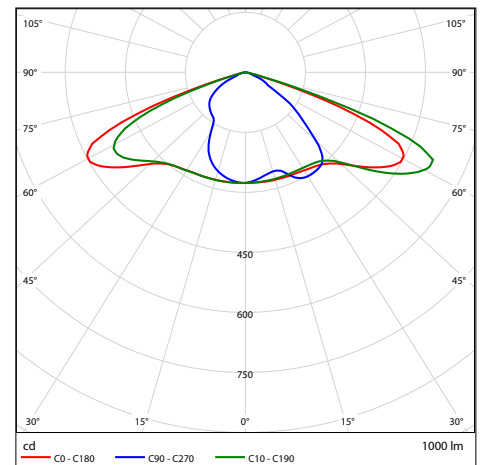
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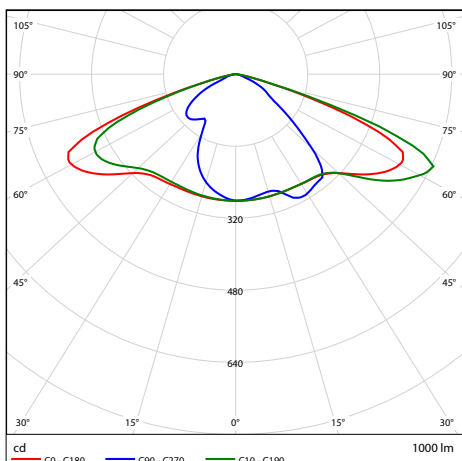
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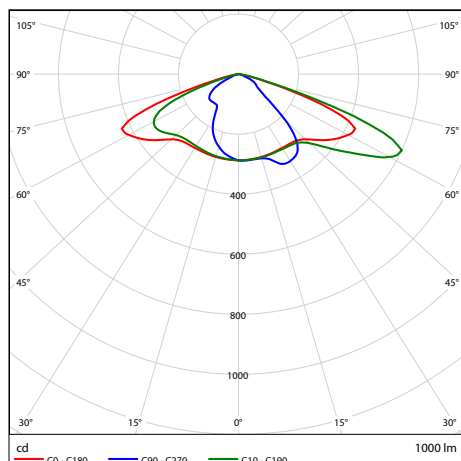
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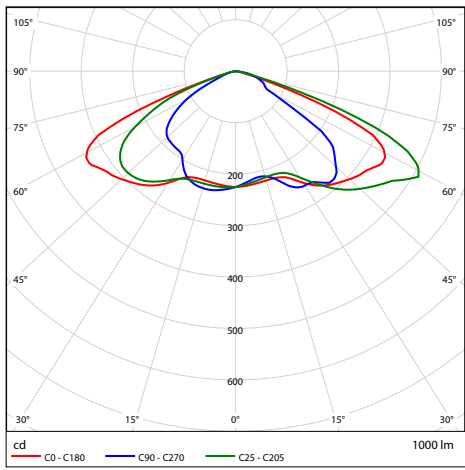
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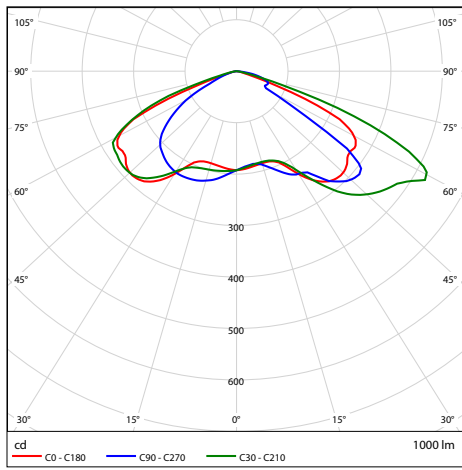
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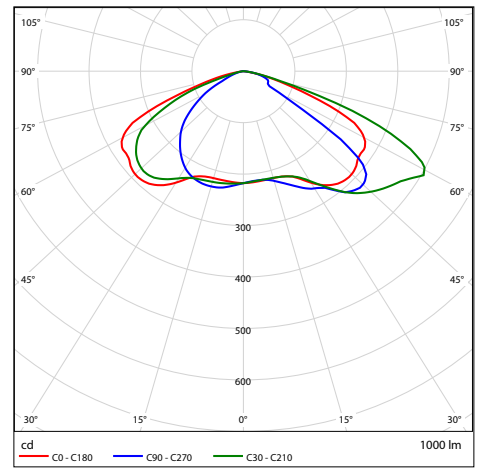
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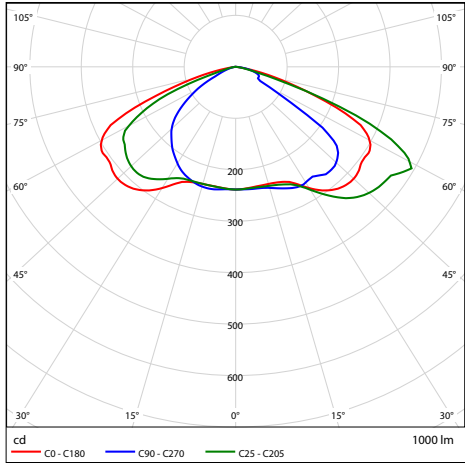
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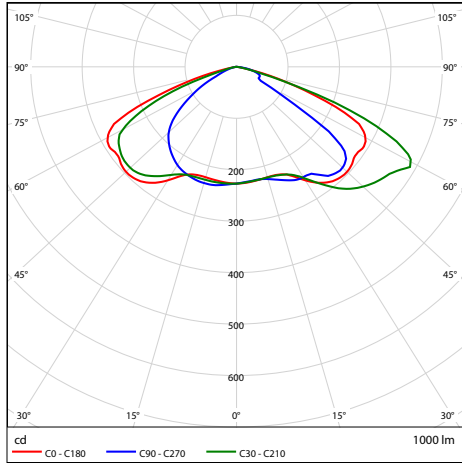
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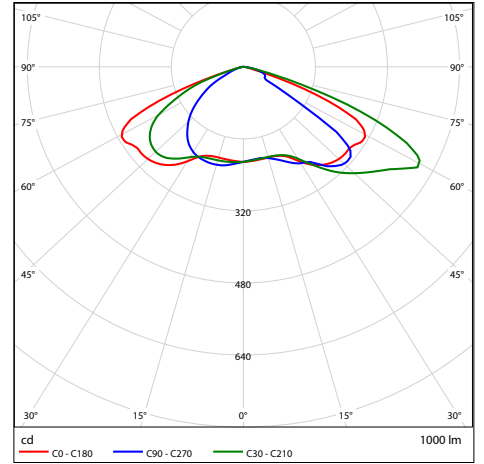
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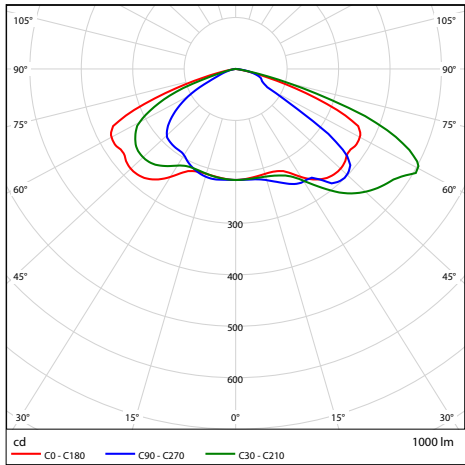
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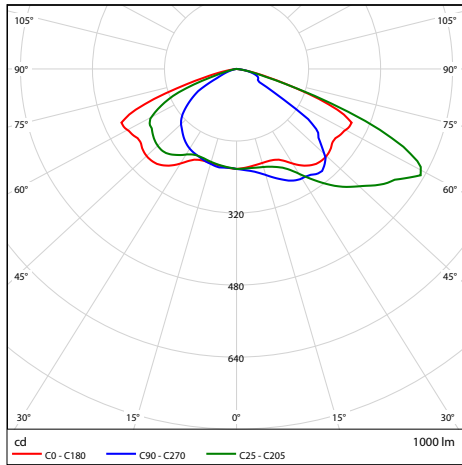
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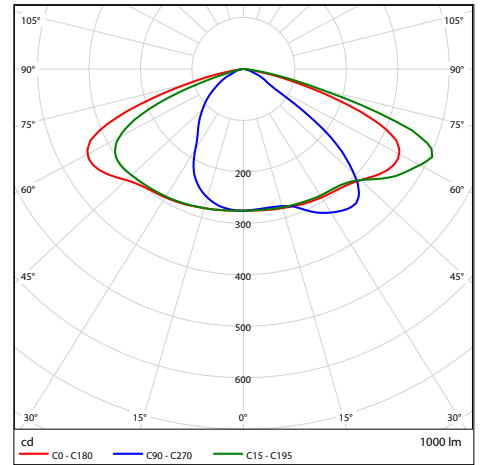
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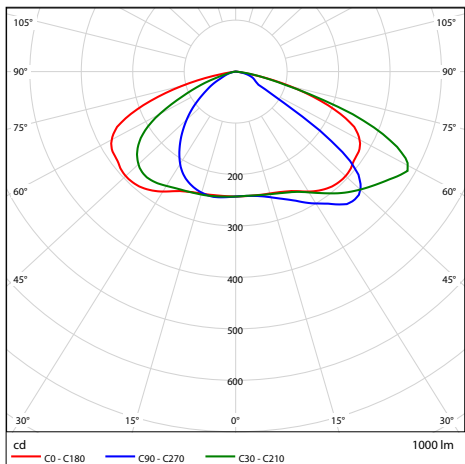
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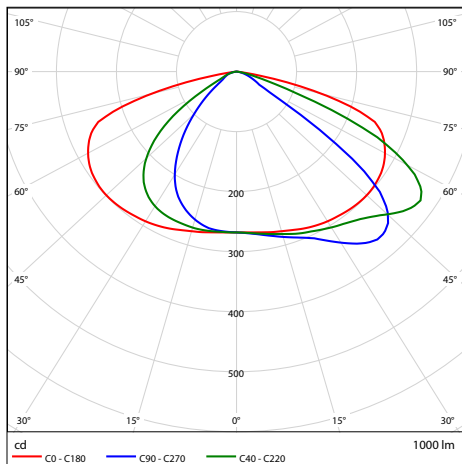
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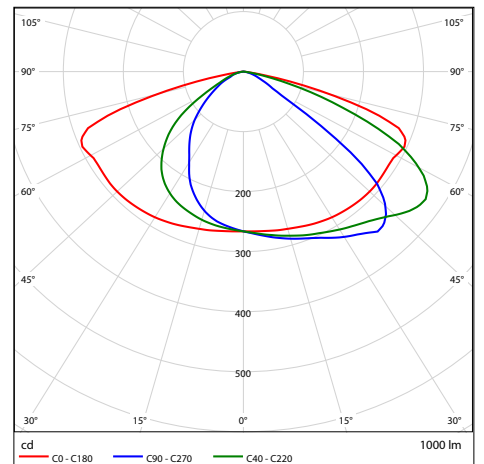
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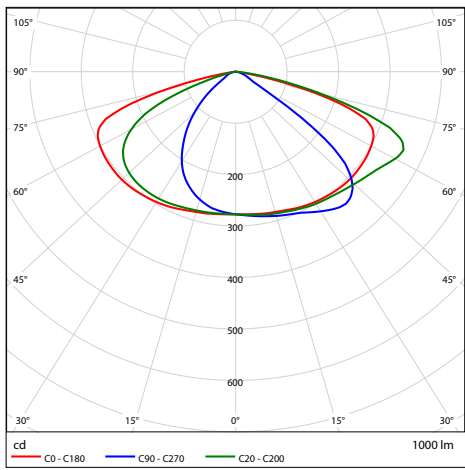
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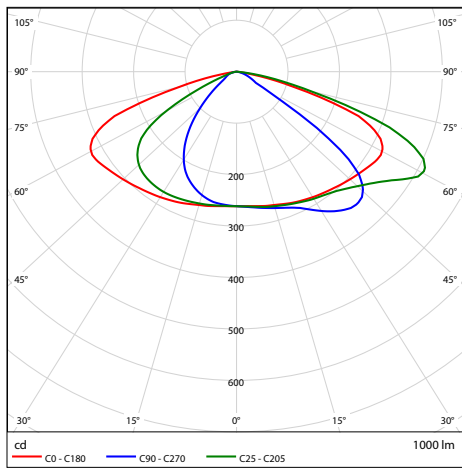
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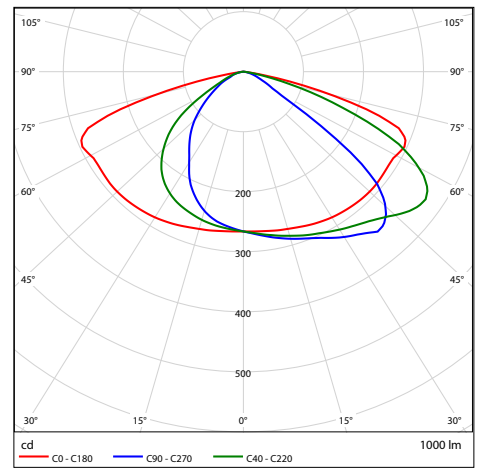
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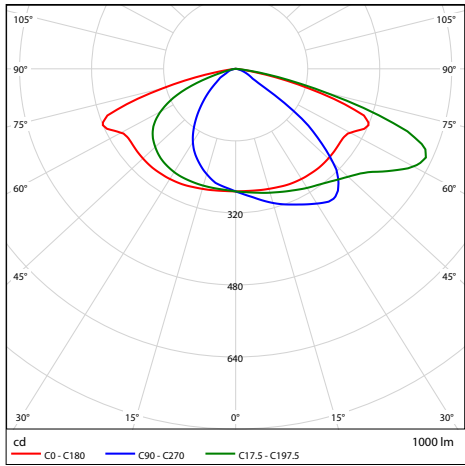
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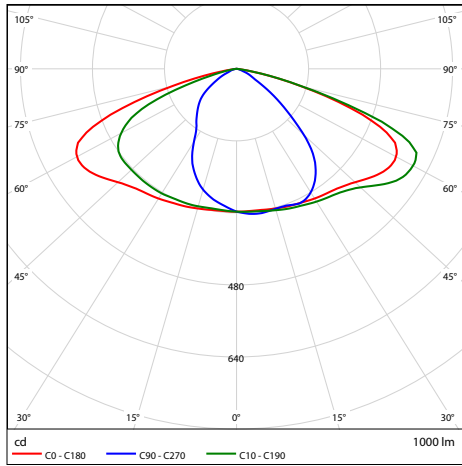
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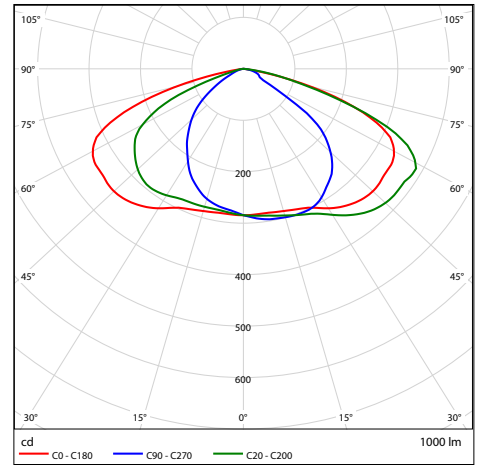
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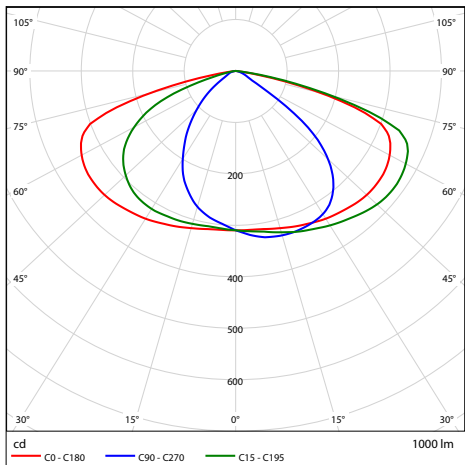
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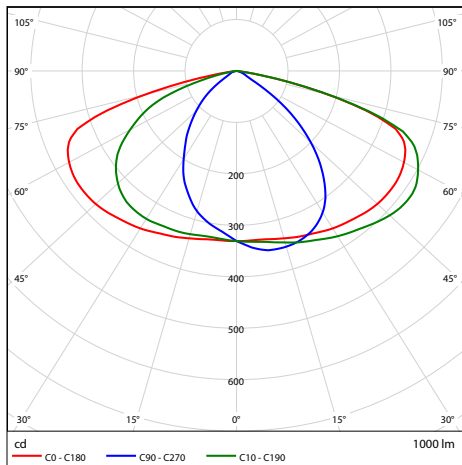
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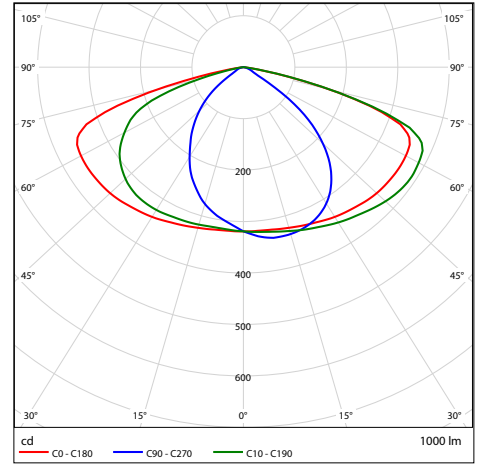
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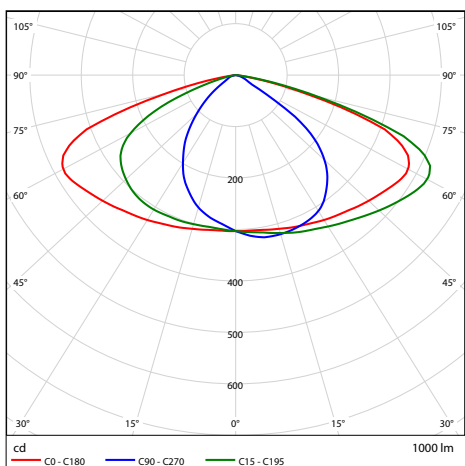
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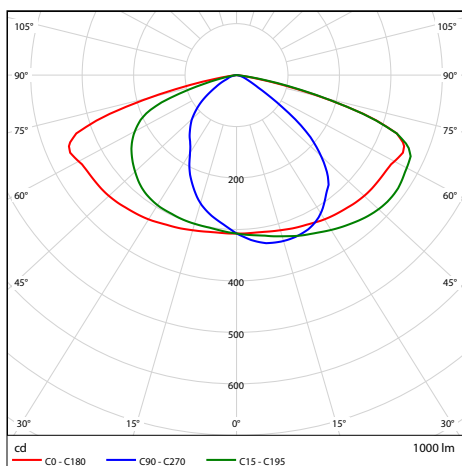
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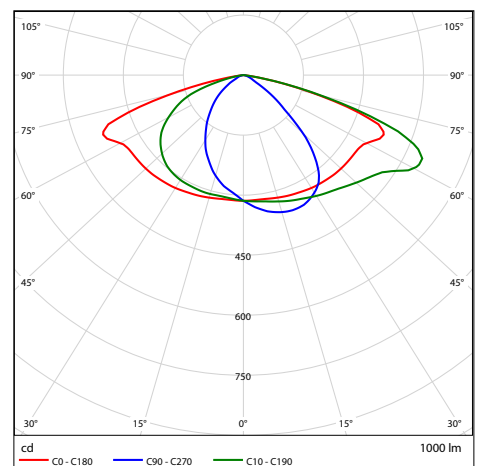
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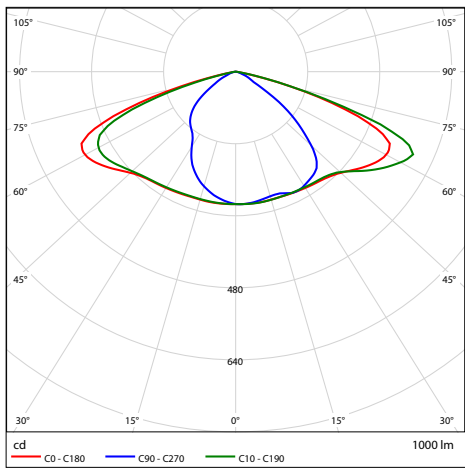
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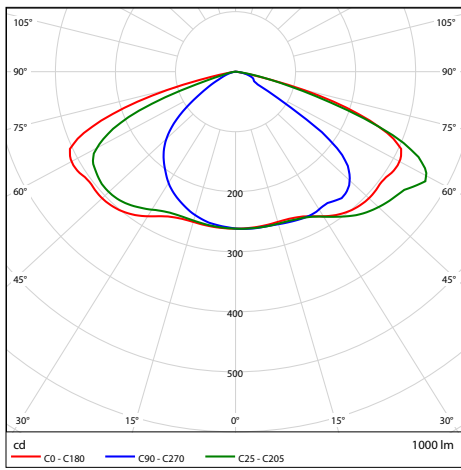
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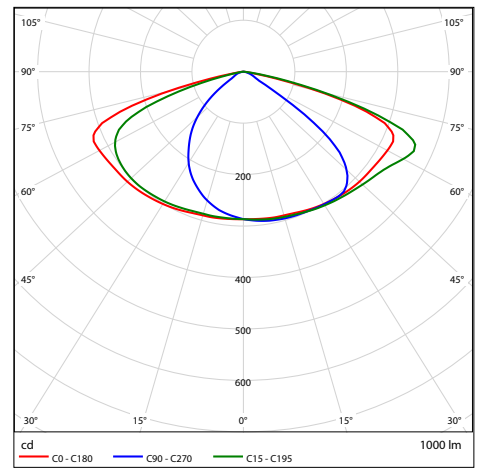
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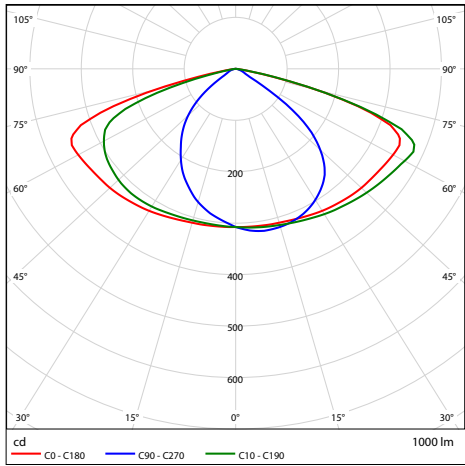
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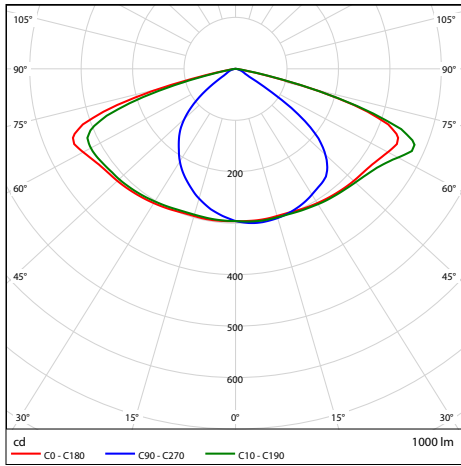
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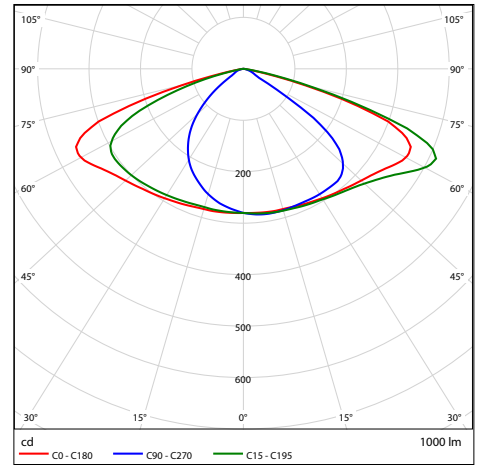
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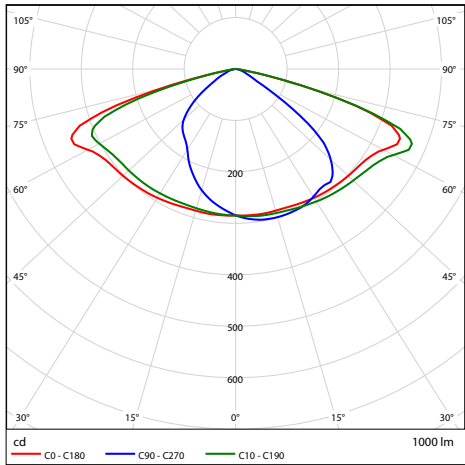
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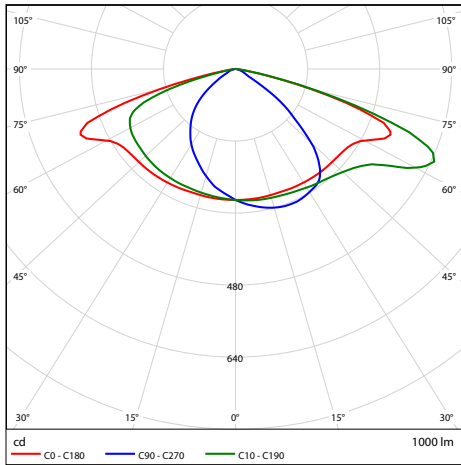
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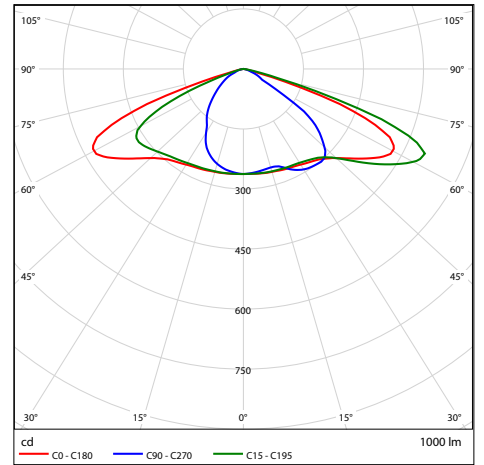
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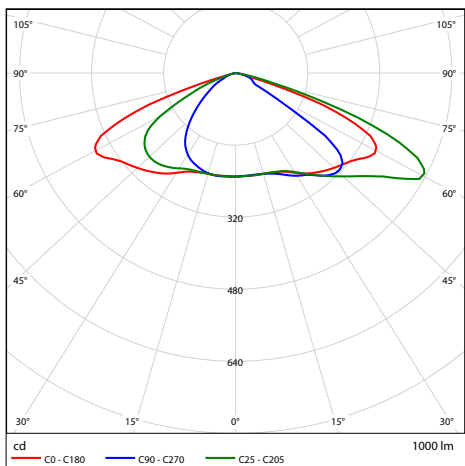
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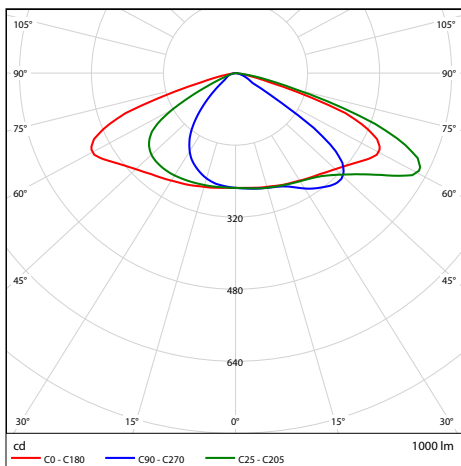
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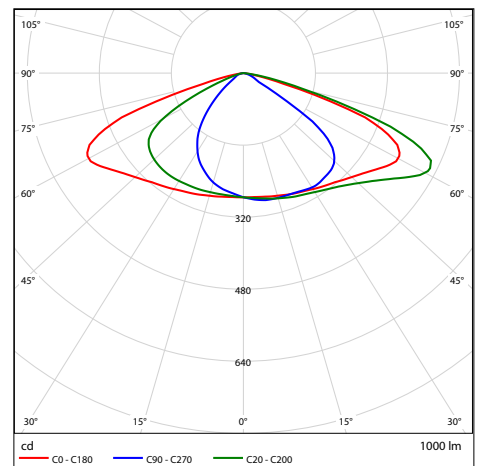
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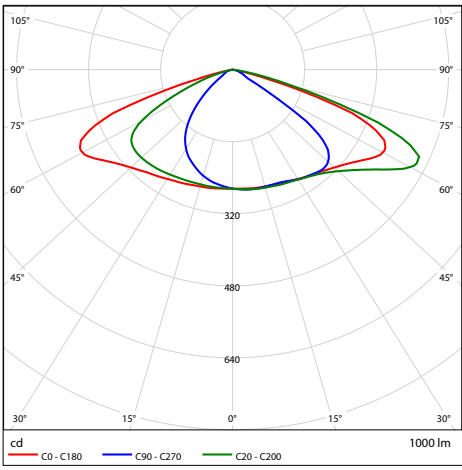


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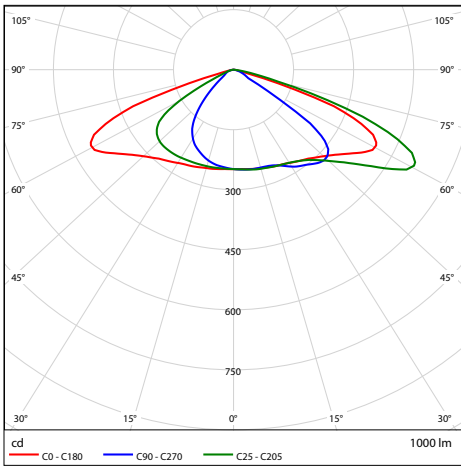


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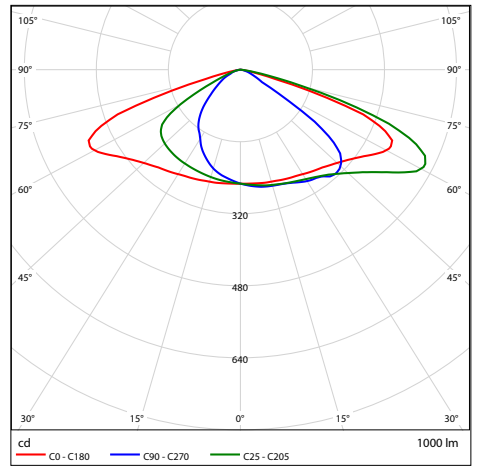




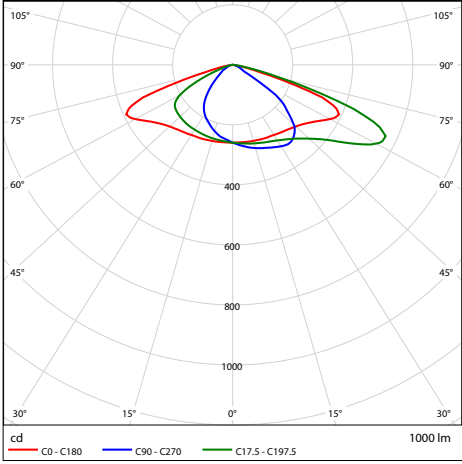
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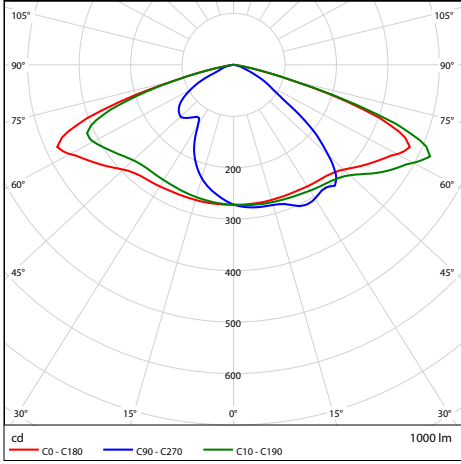
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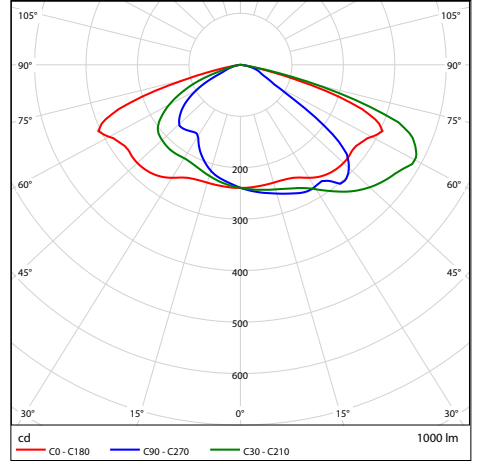
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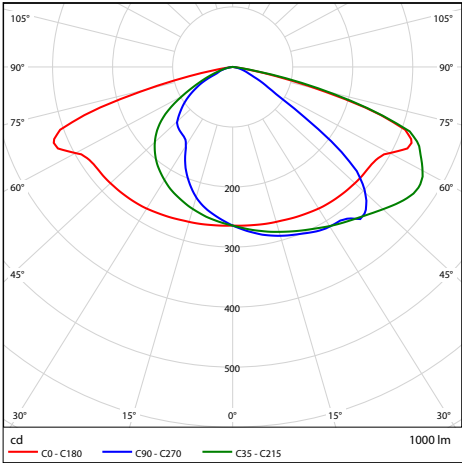
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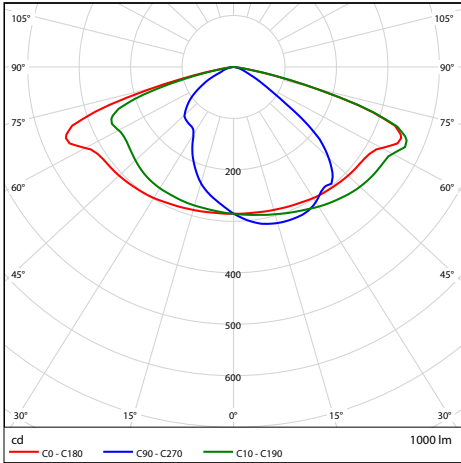
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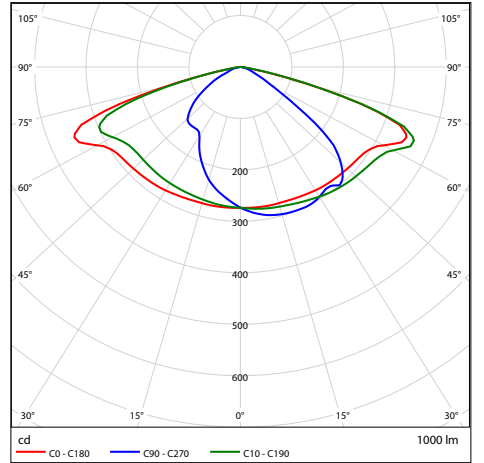
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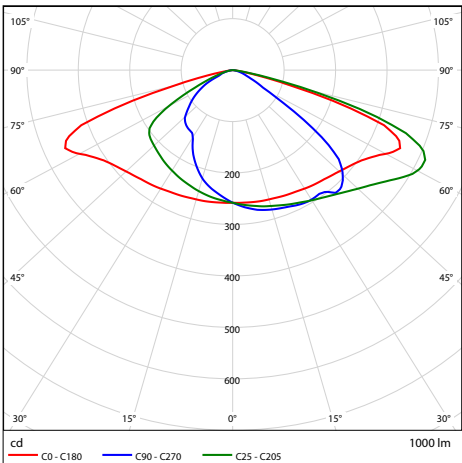
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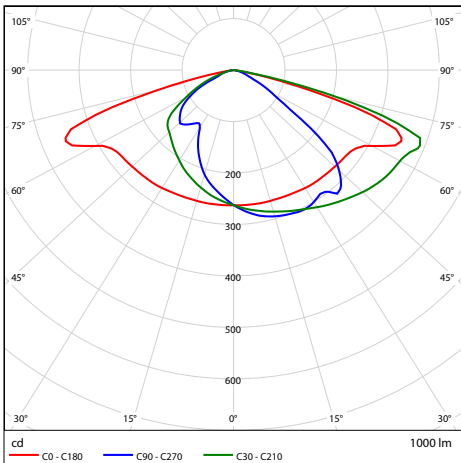
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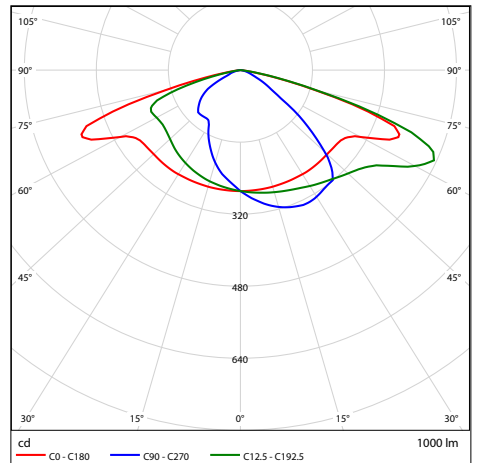
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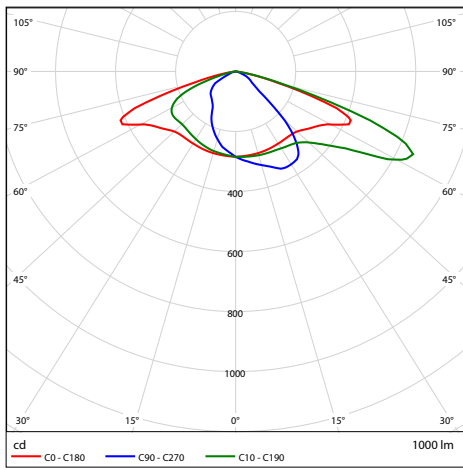
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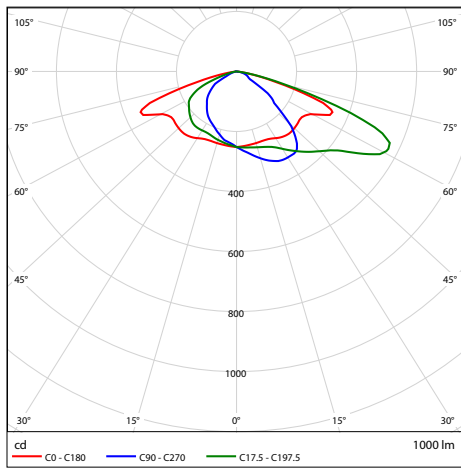
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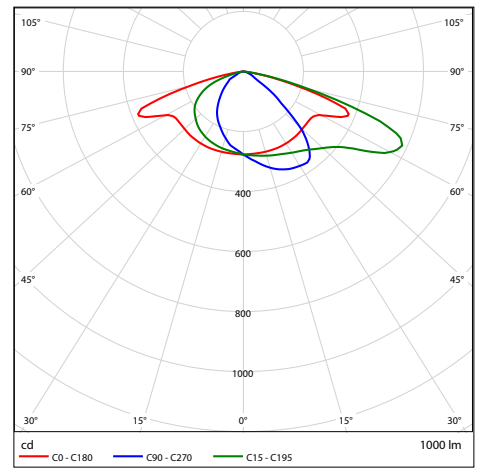
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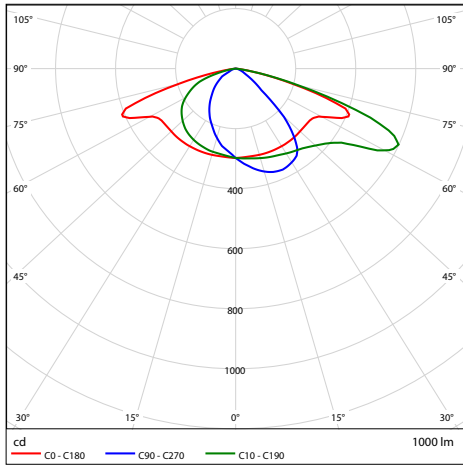
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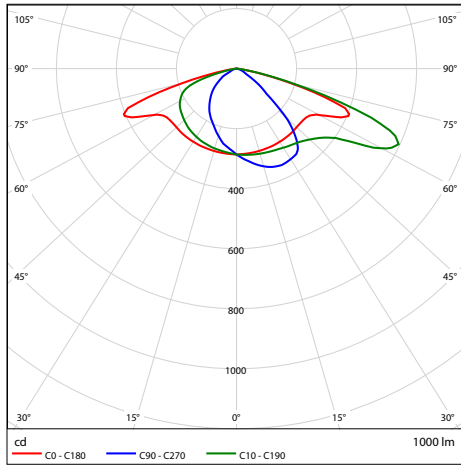
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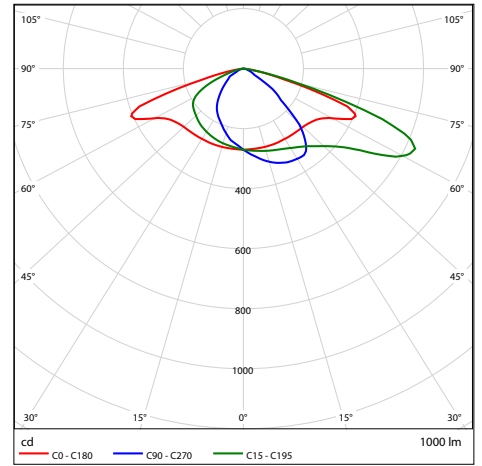
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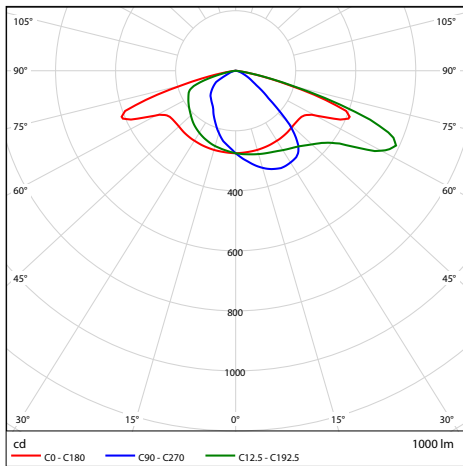
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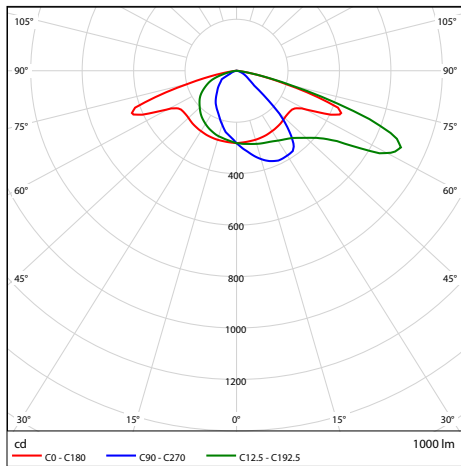
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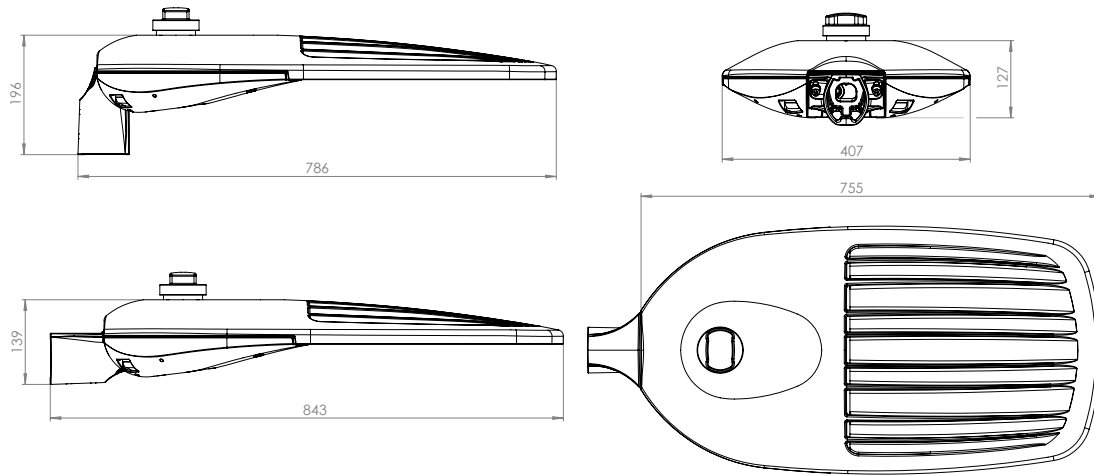


JGJ



JJJ

## Dimensions (mm)



## Order logic

Name	Gen.	Nominal Lumen (lm)	Optics <sup>(1)</sup>	CCT (K)	Option list <sup>(2)</sup>	Accessories	Control	IEC Protection Classes	Precabing	Mounting	Color	Customer
INL+	1	40000 42500 45000 47500 50000	AAA BBB CCC DDD EEE FFF GGG JJJ	727 - 2700K 70 CRI 730 - 3000K 70 CRI 740 - 4000K 70 CRI 750 - 5000K 70 CRI	S - Standard N - NEMA	NO - No Accessory SP - Extra surge protection	N - No control A - Analog 1-10V Control D - DALI external Yxx - Autonomous dimming <sup>(3)</sup> NLxx - No control + CLO <sup>(3)</sup> ALxx - 1-10V + CLO <sup>(3)</sup> DLxx - DALI+CLO <sup>(3)</sup> YLxx - Autonomous dimming+ CLO <sup>(3)</sup>	C1 - Class I	N - No precabing Pxx - Precabing with XX meters <sup>(3)</sup>	U48 - Universal 30-48mm U60 - Universal 42-60mm U76 - Universal 60-76mm	R7021 Rxxxx <sup>(3)</sup>	XX <sup>(3)</sup>

**Example:** INL+1-40000AAA740-NSPD-C1NU60

<sup>(1)</sup>: all symmetric optic combinations are valid eg. ABA, but ABC is not

<sup>(2)</sup>: N from option list is only available with SP from accessories

<sup>(3)</sup>: x is integer number 0-9

## Nominal lumens table

2700K			3000K			4000K			5000K		
Lm	W	LPW	Lm	W	LPW	Lm	W	LPW	Lm	W	LPW
40000	292	139	40000	280	145	40000	267	151	40000	254	158
42500	317	136	42500	305	141	42500	292	147	42500	280	153
45000	342	133	45000	330	138	45000	317	143	45000	305	149
47500	367	130	47500	355	135	47500	342	140	47500	330	146
-	-	-	-	-	-	50000	367	138	50000	355	143

Lm= Nominal Lumen, W=Rated power, LPW=Efficiency (only informative data, for exact values see photometric files)