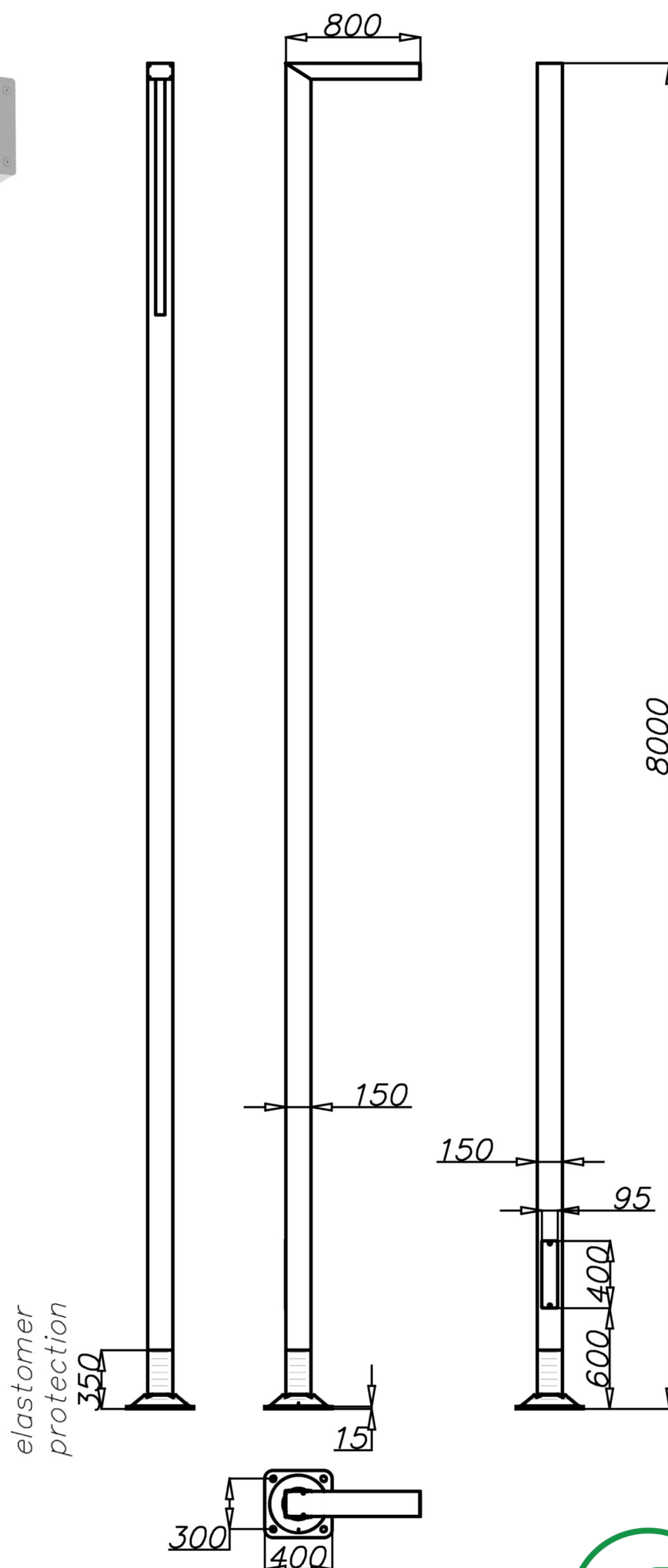
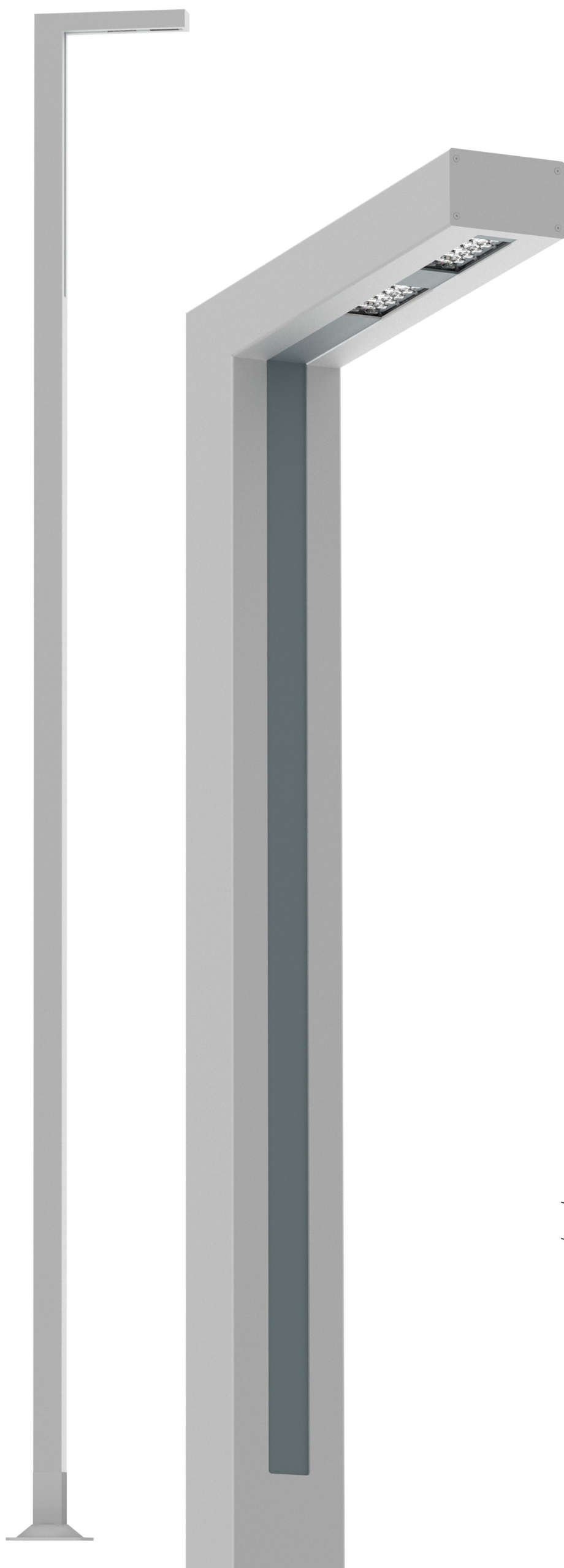


CUT-8 LED lighting set



CREE
LEDs



Characteristic

Ingress protection of optical system and driver	IP 66
Protection class	II
Nominal input voltage	220 - 240V AC
Frequency	50/60 Hz
Power factor	≥0.95
Inrush electric current	46A / 250μs
Level of surge protection	10kV
Control system ready input	DALI
Operating temperatures	od -40°C do +55°C
Material	anodized aluminium profile
Colour	inox / grey
Optical system	PMMA lens, replaceable LED module
LEDs lifetime L90F10	>50 000 h
Warranty	5 years

Technical parameters

Type	CUT-8 LED 48	CUT-8 LED 72
Code	216433/6/... ²	216435/6/... ²
Correlated colour temperature [K]	5 000	
Color rendering index CRI	75 ³⁾	
Corrective factor S/P	1,8	
LEDs type	CREE XT-E	CREE XP-L
LEDs quantity	24	24
Supply current [mA]	650	1000
LEDs power [W]	48	72
LEDs luminous flux ¹⁾ [lm]	5 250	9 550
Power consumption [W]	55	80
Luminaire luminous flux¹⁾ [lm]	4 850	8 850
Luminaire efficacy [lm/W]	88	110
Weight [kg]	75,862	
Volume [m ³]	2,6	
Foundation / reinforcing cage	B-71, B-70 / Z-71, Z-70	
Foundation code/ reinforcing cage code	311171, 311170 / 311271, 311207	
Bolts set regular/ shear	4012 / 4013	

1) including LEDs tolerance parameter accuracy +/- 3%

2) code of chosen optics configuration - example: 216433/6/T2 is a CUT-8 LED 48 with optical system T2

3) parameter accuracy +/-2

- Low voltage directive LVD 2006/95/WE, norm PN-EN 60598-1, PN-EN 60598-2-3
- Directive EMC 2004/108/WE, norms: PN-EN 55015, PN-EN 61547, PN-EN 61000-3-2, PN-EN 61000-3-3
- Shown parameters based on measurements according to IESNA LM 79-08
- Product can be anodized in 10 colours, with gloss option
- CUT-8 LED lighting set supports only TB-11 and TB-12 connection boxes



Accetable quantity of lighting set CUT-8 LED on one circuit, protected by:

Overcurrent switches MCB type B or C								
		2A	4A	6A	10A	16A	20A	25A
CUT-8 LED 48, 72W	Type B	1	2	4	6	11	13	17
	Type C	1	4	6	11	18	22	28

Fuse – type gG and GL							
	2A	4A	6A	10A	16A	20A	25A
CUT-8 LED 48, 72W	4	8	11	19	30	38	47

Lighting set CUT-8 LED in standard has following functions of intelligent power supply:

- Connection to outside control system by DALI interface (operation of analog signal 1-10V as an option),
- Possibility of programming multistage dimming of luminaire, up to 5 intervals in the range of from 10 to 100% of nominal power,
- Temperature protection of LED module (from overheating) in case of unintentional luminaire operation during the,
- Regulation of power / luminous flux – the option of setting another value than the catalogue in the range of 30-100% of nominal one,

CUT-8 LED can be used in:

IV location category with 4 zones of wind speed:

- I zone (22 m / s),
- I and III zone and 450m AMSL (24 m / s),
- II zone (26 m / s),
- III zone and 755m AMSL (28 m / s),

III location category with 3 zones of wind speed:

- I zone (22 m / s),
- I and III zone and 450m AMSL (24 m / s),
- II zone (26 m / s),

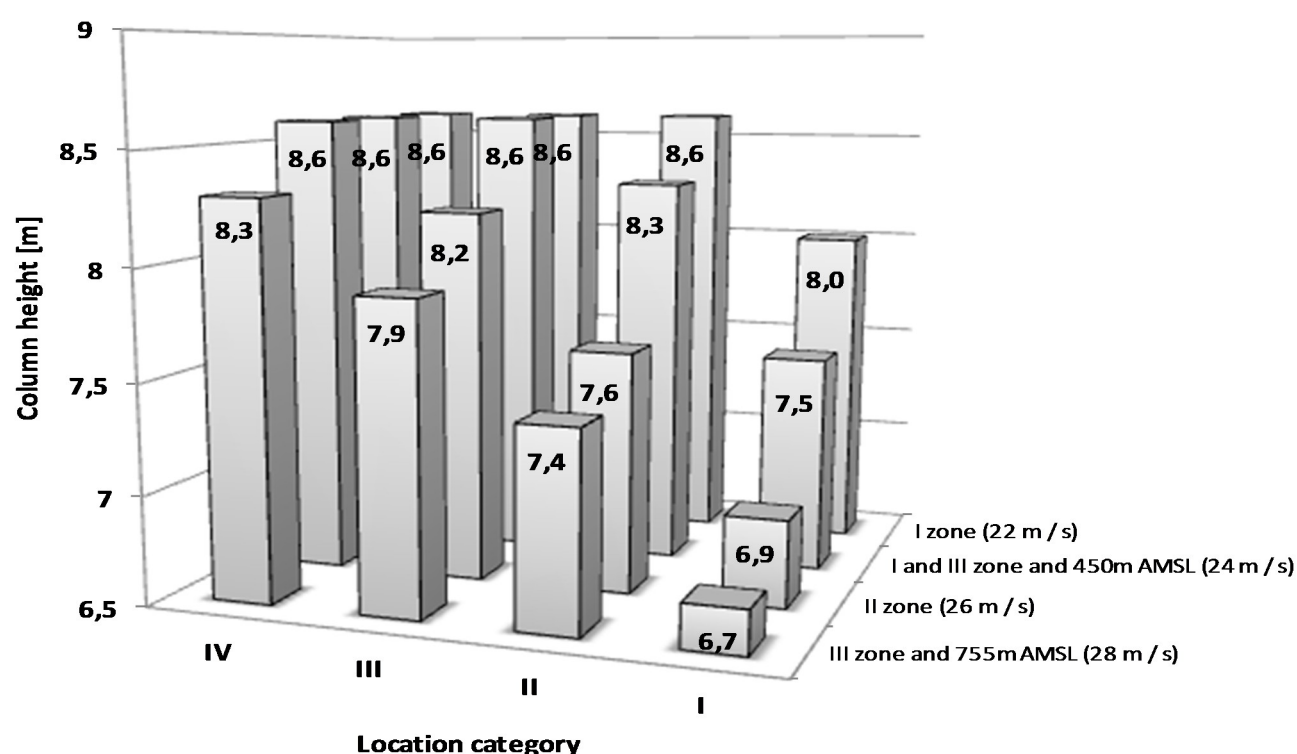
II location category with 2 zones of wind speed:

- I zone (22 m / s),
- I and III zone and 450m AMSL (24 m / s),

I location category with 1 zone of wind speed:

- I zone (22 m / s),

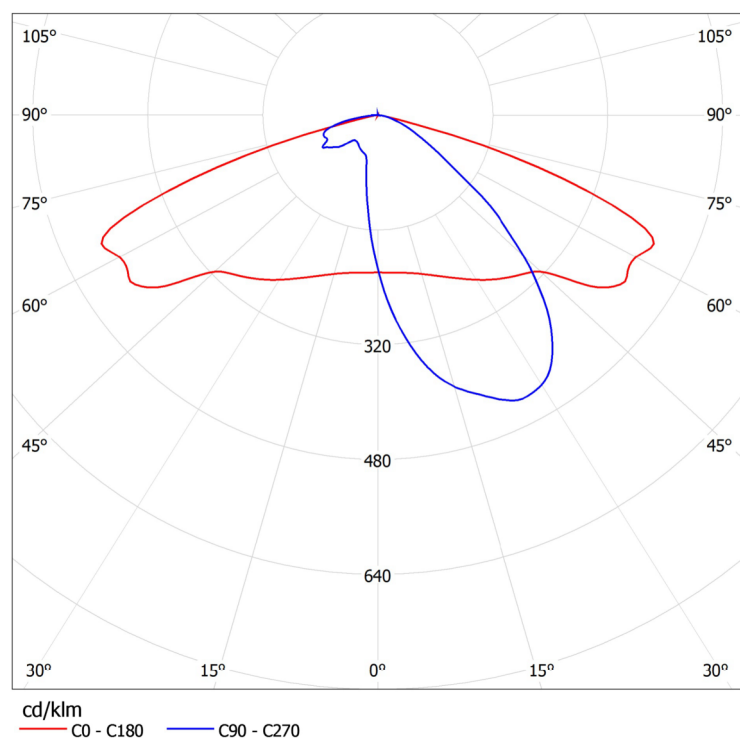
The maximum height of individual columns CUT LED [m] depending on the location category and average wind speed



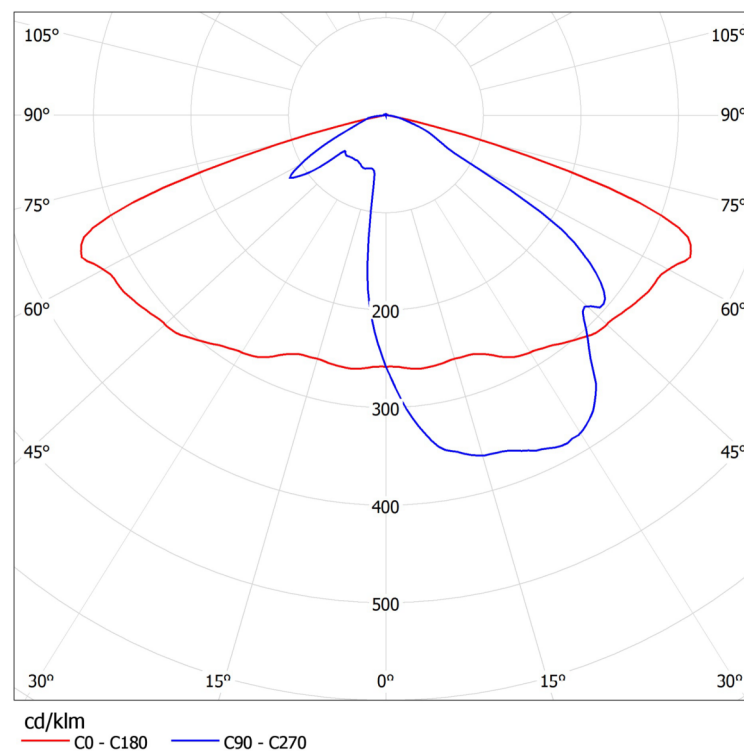
Optics configurations for CUT-8 LED



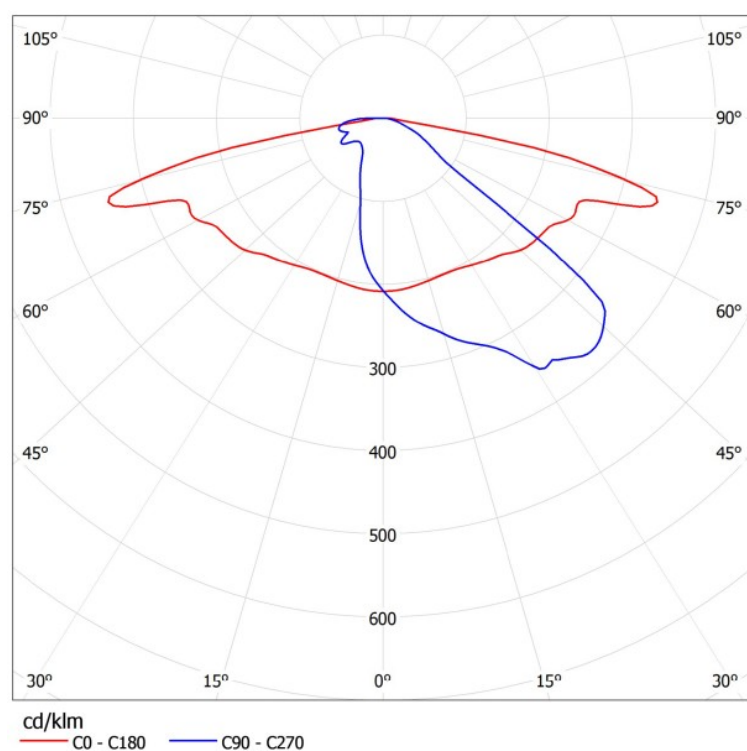
T2



T3



ME



DW

