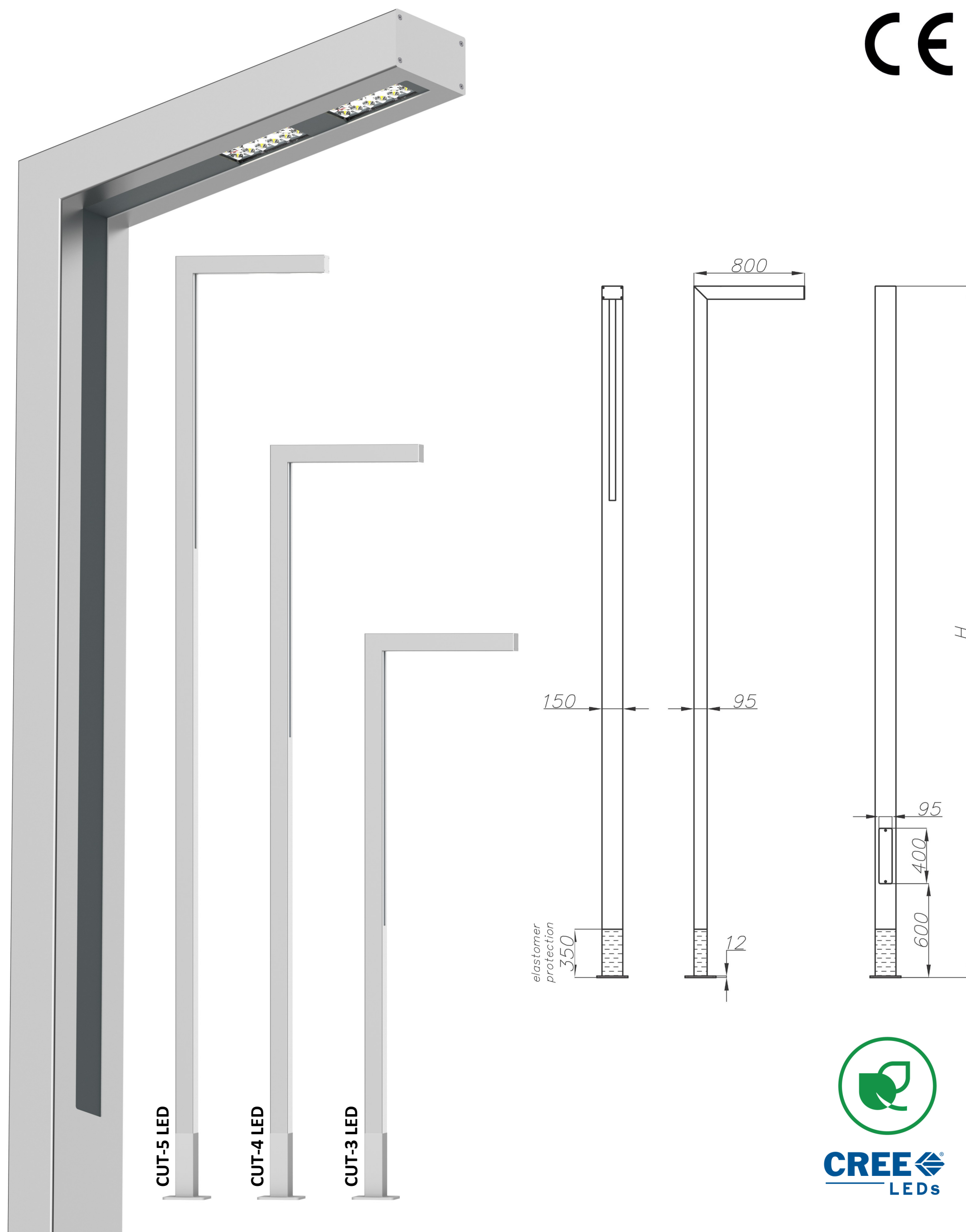




CREE
LEDs



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	22A / 290µs (for CUT LED 24W), 46A / 300µs (for CUT LED 36W and 48W)
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-3 LED 24	CUT-3 LED 36	CUT-4 LED 24	CUT-4 LED 36	CUT-4 LED 48	CUT-5 LED 24	CUT-5 LED 36	CUT-5 LED 48
Code	216230/6/... ²⁾	216232/6/... ²⁾	216330/6/... ²⁾	216332/6/... ²⁾	216333/6/... ²⁾	216030/6/... ²⁾	216032/6/... ²⁾	216033/6/... 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	CREE XT-E	CREE XP-L	CREE XT-E	CREE XT-E	CREE XP-L	CREE XT-E
LEDs quantity	12	12	12	12	24	12	12	24
Supply current [mA]	650							
LEDs power [W]	24	36	24	36	48	24	36	48
LEDs luminous flux ¹⁾ [lm]	2 700	5 200	2 700	5 200	5 250	2 700	5 200	5 250
Power consumption [W]	31	42	31	42	55	31	42	55
Luminaire luminous flux ¹⁾ [lm]	2 500	4 850	2 500	4 850	4 850	2 500	4 850	4 850
Luminaire efficacy [lm/W]	80	115	80	115	88	80	115	88
Height H [m]	3		4			5		
Weight [kg]	31		37,5			42		
Volume [m ³]	0,5		0,7			1		
Foundation / reinforcing cage	B-50 / Z-50							
Foundation code/ reinforcing cage code	311150 / 311205							
Bolts set regular/ shear	4006 / 4007							

- 1)

including LEDs tolerance parameter accuracy +/- 3%
- 2)

code of chosen optics configuration - example: 216230/6/T2 is a CUT-3 LED 24 with optical system T2
- 3)

parameter accuracy +/-2

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Low voltage directive LVD 2006/95/WE, norm PN-EN 60598-1, PN-EN 60598-2-3

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Directive EMC 2004/108/WE, norms: PN-EN 55015, PN-EN 61547, PN-EN 61000-3-2, PN-EN 61000-3-3

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Shown parameters based on measurements according to IESNA LM 79-08

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Product can be anodized in 10 colours, with gloss option

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CUT LED lighting set supports only TB-11 and TB-12 conection boxes



Acceptable quantity of lighting set CUT LED on one circuit, protected by:

Overcurrent switches MCB type B or C								
		2A	4A	6A	10A	16A	20A	25A
CUT LED 24W	Type B	2	4	8	12	20	25	31
	Type C	2	8	12	20	34	41	52
CUT LED 36, 48W	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 LED 24W	4	9	14	25	39	50	62
CUT LED 36, 48W	4	8	11	19	30	38	47

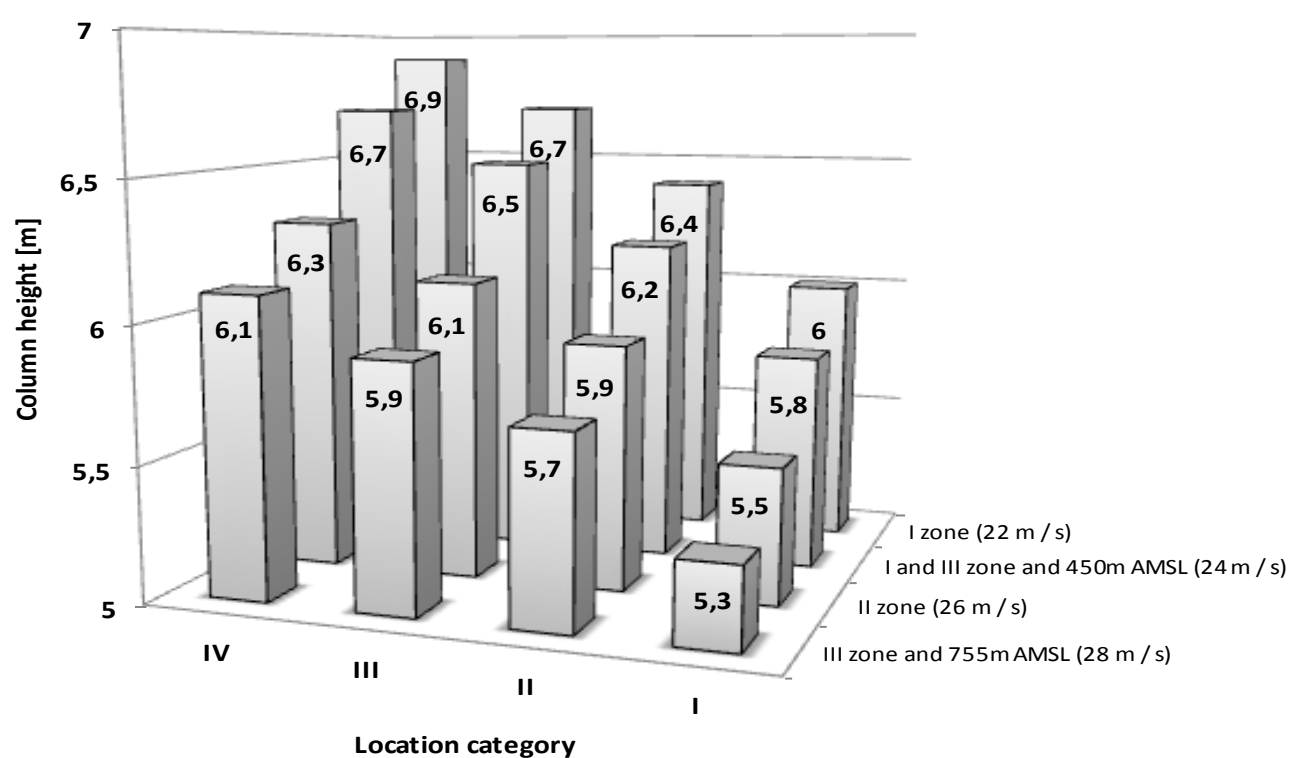
Lighting set CUT LED in standard has following functions of intelligent power supply:

- 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 LED can be used in 4 location categories (I, II, III and 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),

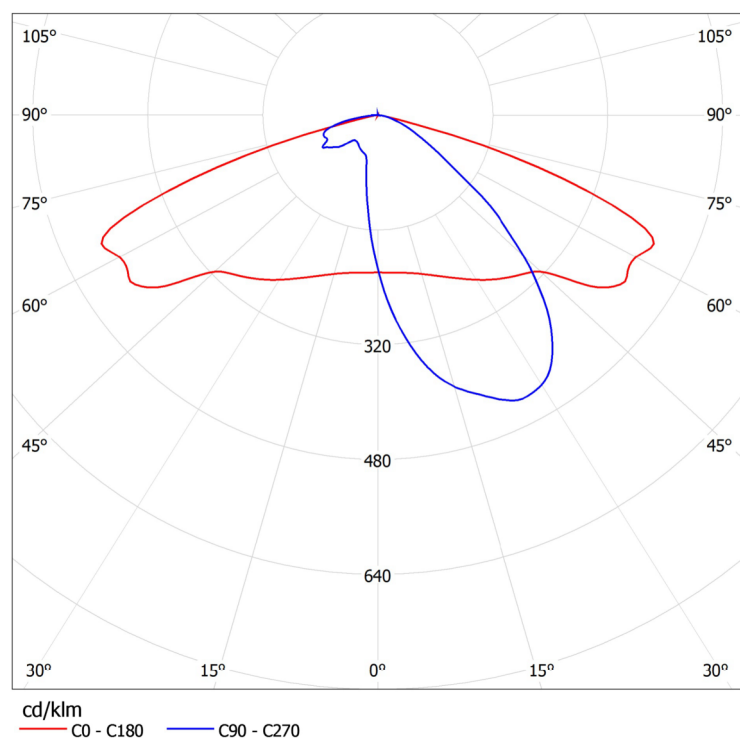
The maximum height of individual columns CUT LED [m] depending on the location category and average wind speed



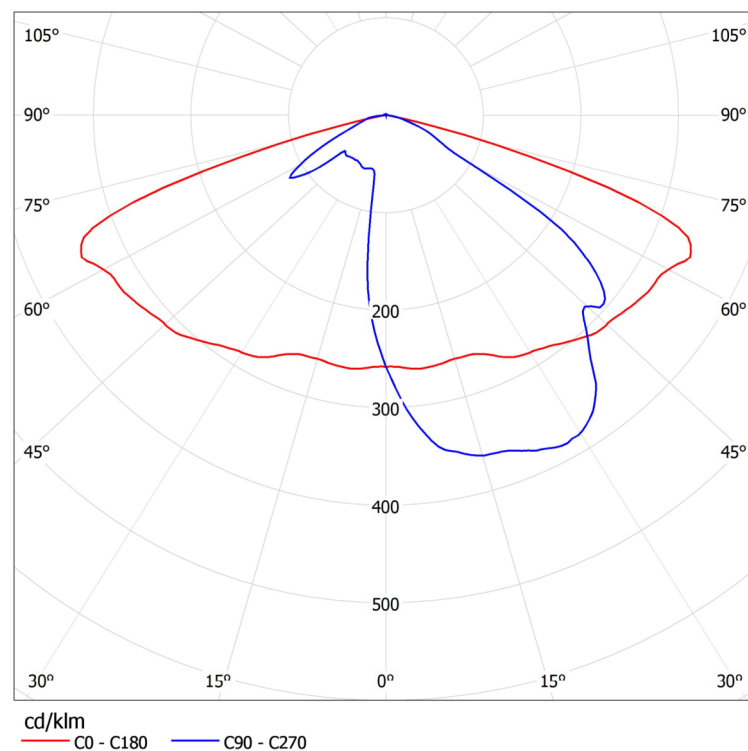
Optics configurations for CUT LED



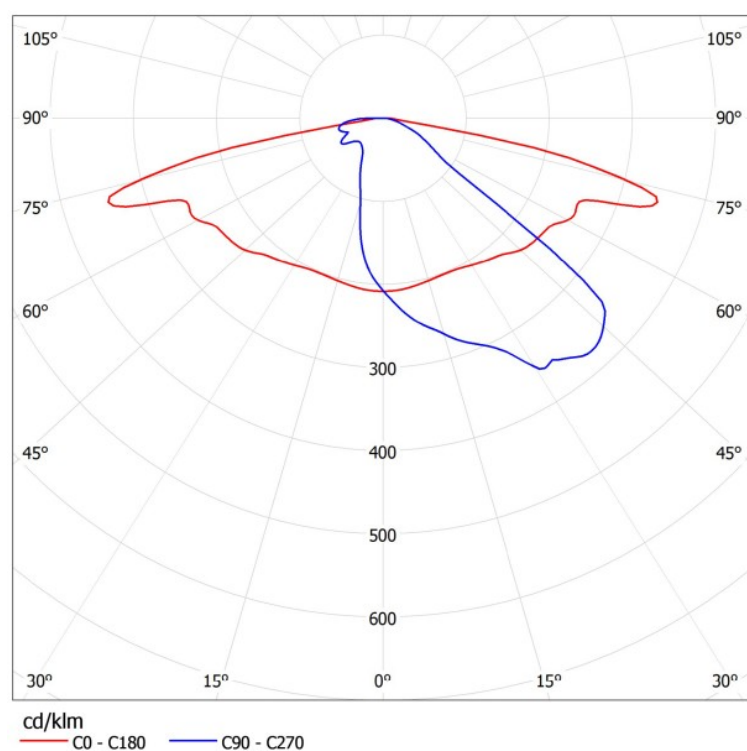
T2



T3



ME



DW

