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## LUMINAIRE PHOTOMETRIC TEST REPORT

### 8760 CTLS MILO LED BLACK 25W, 3000K, ANGLE11°



#### Description Lines

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Manufacturer:	NOWODVORSKI LIGHTING
Model name:	8760 CTLS MILO LED BLACK 25W,3000K,ANGLE11
File name:	8760 CTLS MILO LED BLACK 25W,3000K,ANGLE11.ltd
Date:	2019-08-19
Report number:	EF 19/08/2019/26; EF 22/11/2019/30
Length:	215 mm
Width:	73 mm
Height:	196 mm
IP rating:	IP 20
Protection class:	II
Dimmable:	No

#### Equipment

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Test system:	EVERFINE GO-2000B_V1 SYSTEM V2.00.417
Temperature:	25 +/-1 °C
Humidity:	65.0%
$\gamma$ interval:	2 deg
C interval:	10 deg
$\gamma$ range:	0-180 deg
Measurement distance:	6.56 m

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ul. Bojemskiego 11, 42-202 Częstochowa, POLSKA, NIP: PL 5731015208

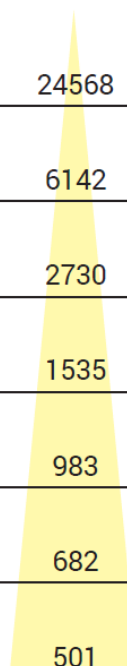
Tel. +48 34 344 91 10, 344 91 11, fax +48 34 344 91 12

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## Photometric data

Total luminous flux:	2006.68 lm
Color temperature:	3100 K
x:	0.4349
y:	0.4121
Color rendering index:	91.1
Wattage:	23.602 W
U	230.48 V
I	0.1080 A
Power factor:	0.9483
Luminous efficacy:	85.02 lm/W
Flux in lower hemisphere:	98.6%
Flux in upper hemisphere:	1.4%
Maximum luminous intensity:	24568 cd
Light output ratio (LOR):	100.00%

### Beam cone diagram Beam angle 11°



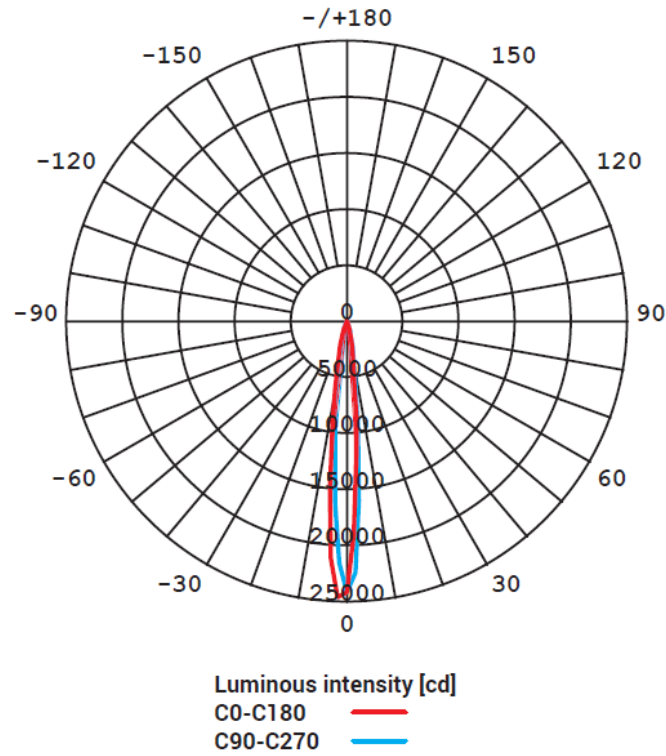
1 m	24568	0,19
2 m	6142	0,38
3 m	2730	0,57
4 m	1535	0,76
5 m	983	0,95
6 m	682	1,14
7 m	501	1,33
Distance [m]	Illuminance [lx] 3000K/4000K	Diameter [m]

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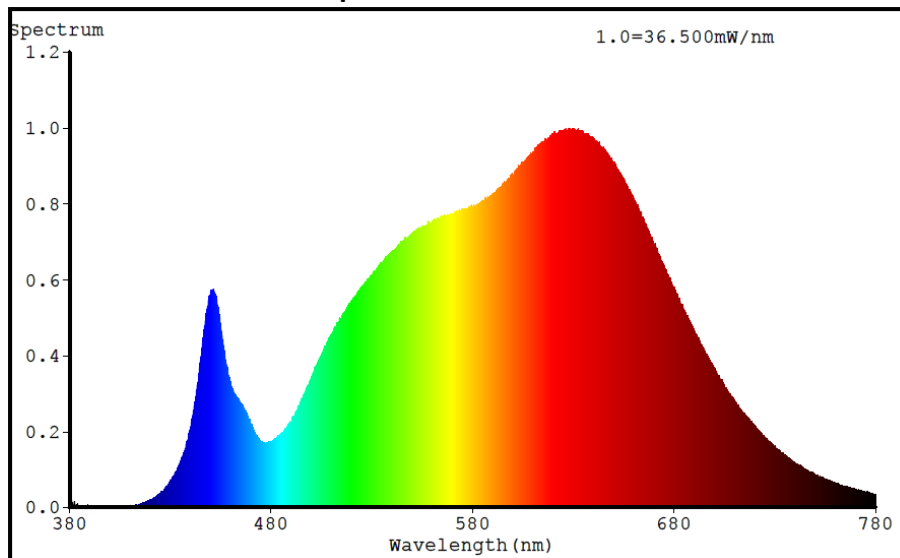
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### LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



### Spectral distribution



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## LUMINAIRE PHOTOMETRIC TEST REPORT

### 8760 CTLS MILO LED BLACK 25W, 3000K, ANGLE21°



#### Description Lines

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Manufacturer:	NOWODVORSKI LIGHTING
Model name:	8760 CTLS MILO LED BLACK 25W,3000K,ANGLE21
File name:	8760 CTLS MILO LED BLACK 25W,3000K,ANGLE21.ltd
Date:	2019-08-19
Report number:	EF 19/08/2019/28; EF 22/11/2019/30
Length:	215 mm
Width:	73 mm
Height:	196 mm
IP rating:	IP 20
Protection class:	II
Dimmable:	No

#### Equipment

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Test system:	EVERFINE GO-2000B_V1 SYSTEM V2.00.417
Temperature:	25 +/-1 °C
Humidity:	65.0%
$\gamma$ interval:	2 deg
C interval:	10 deg
$\gamma$ range:	0-180 deg
Measurement distance:	6.56 m

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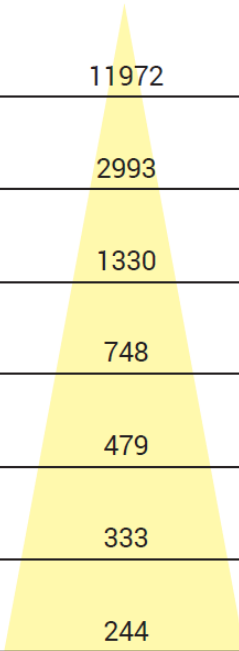
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## Photometric data

Total luminous flux:	1999.3 lm
Color temperature:	3100 K
x:	0.4349
y:	0.4121
Color rendering index:	91.1
Wattage:	23.695 W
U	230.45 V
I	0.1084 A
Power factor:	0,9488
Luminous efficacy:	84.38 lm/W
Flux in lower hemisphere:	98.6%
Flux in upper hemisphere:	1.4%
Maximum luminous intensity:	11972 cd
Light output ratio (LOR):	100.00%

### Beam cone diagram Beam angle 21°



1 m	11972	0,37
2 m	2993	0,74
3 m	1330	1,11
4 m	748	1,47
5 m	479	1,84
6 m	333	2,21
7 m	244	2,58
Distance [m]	Illuminance [lx] 3000K/4000K	Diameter [m]

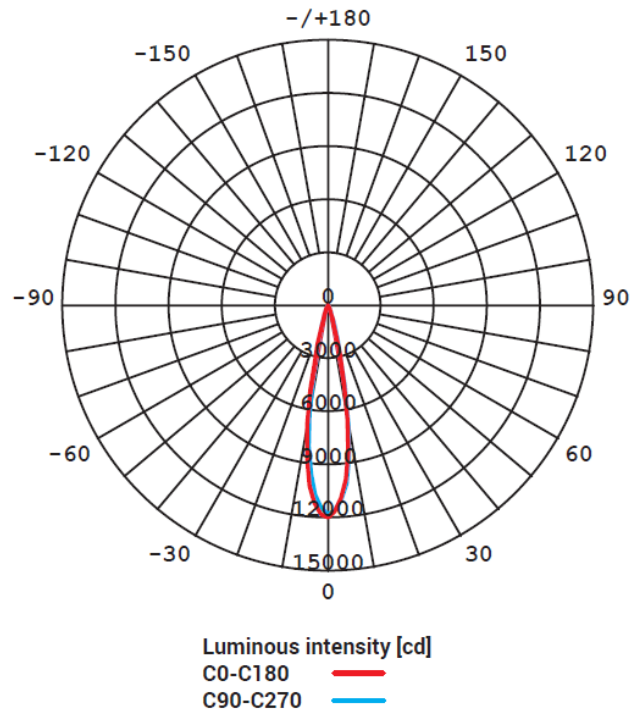
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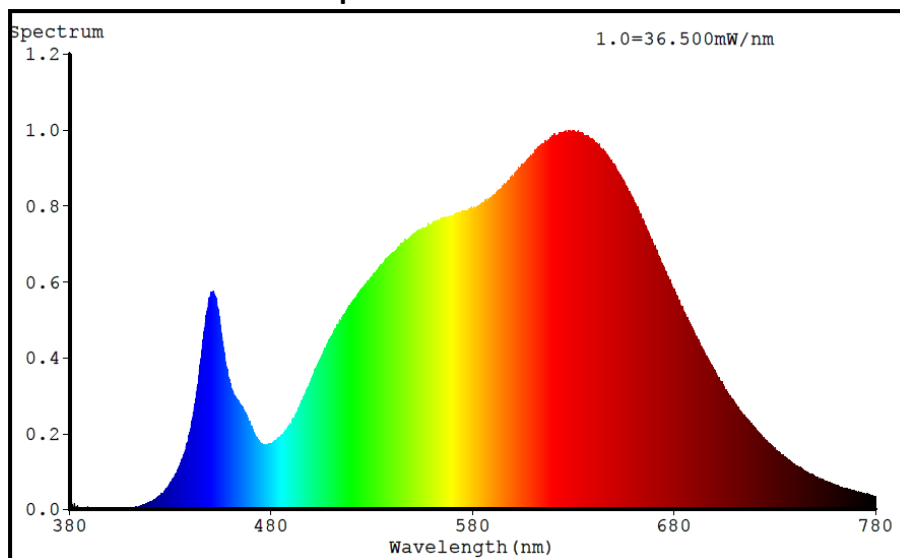
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### LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



### Spectral distribution



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## LUMINAIRE PHOTOMETRIC TEST REPORT

### 8760 CTLS MILO LED BLACK 25W, 3000K, ANGLE31°



#### Description Lines

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Manufacturer:	NOWODVORSKI LIGHTING
Model name:	8760 CTLS MILO LED BLACK 25W,3000K,ANGLE31
File name:	8760 CTLS MILO LED BLACK 25W,3000K,ANGLE31.ltd
Date:	2019-08-19
Report number:	EF 19/08/2019/29; EF 22/11/2019/30
Length:	215 mm
Width:	73 mm
Height:	196 mm
IP rating:	IP 20
Protection class:	II
Dimmable:	No

#### Equipment

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Test system:	EVERFINE GO-2000B_V1 SYSTEM V2.00.417
Temperature:	25 +/-1 °C
Humidity:	65.0%
$\gamma$ interval:	2 deg
C interval:	10 deg
$\gamma$ range:	0-180 deg
Measurement distance:	6.56 m

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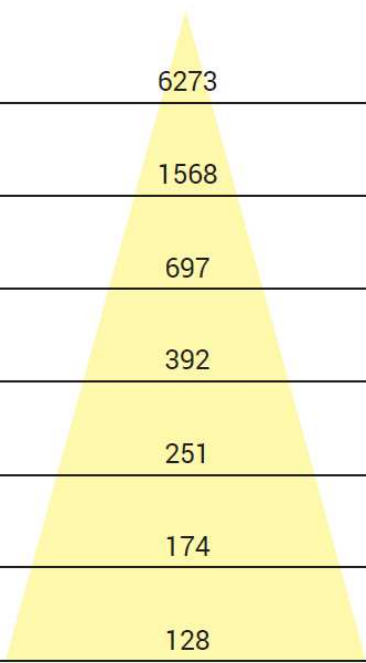
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## Photometric data

Total luminous flux:	1955.93 lm
Color temperature:	3100 K
x:	0.4349
y:	0.4121
Color rendering index:	91.1
Wattage:	23.646 W
U	230.64 V
I	0.1081 A
Power factor:	0.9484
Luminous efficacy:	82.72 lm/W
Flux in lower hemisphere:	98.6%
Flux in upper hemisphere:	1.4%
Maximum luminous intensity:	6284 cd
Light output ratio (LOR):	100.00%

### Beam cone diagram Beam angle 31°



1 m	6273	0,56
2 m	1568	1,11
3 m	697	1,67
4 m	392	2,22
5 m	251	2,78
6 m	174	3,33
7 m	128	3,89
Distance [m]	Illuminance [lx] 3000K/4000K	Diameter [m]

#### Nowodvorski sp. j.

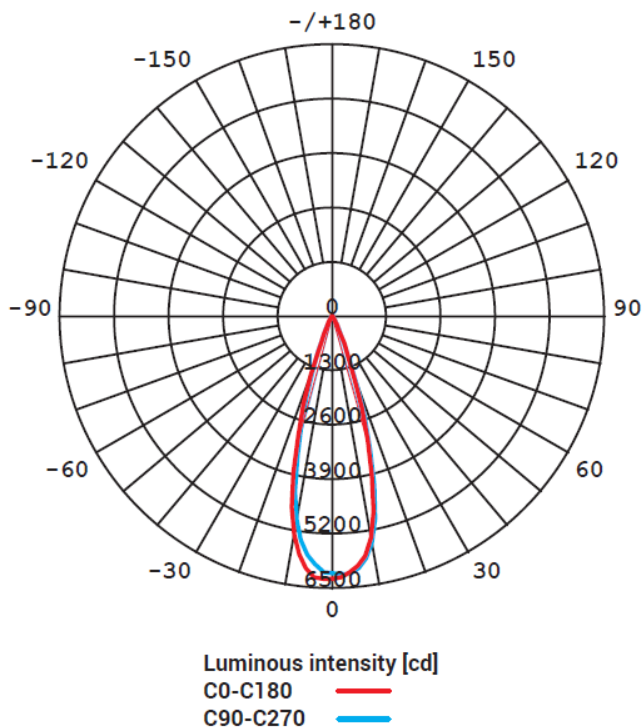
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Tel. +48 34 344 91 10, 344 91 11, fax +48 34 344 91 12

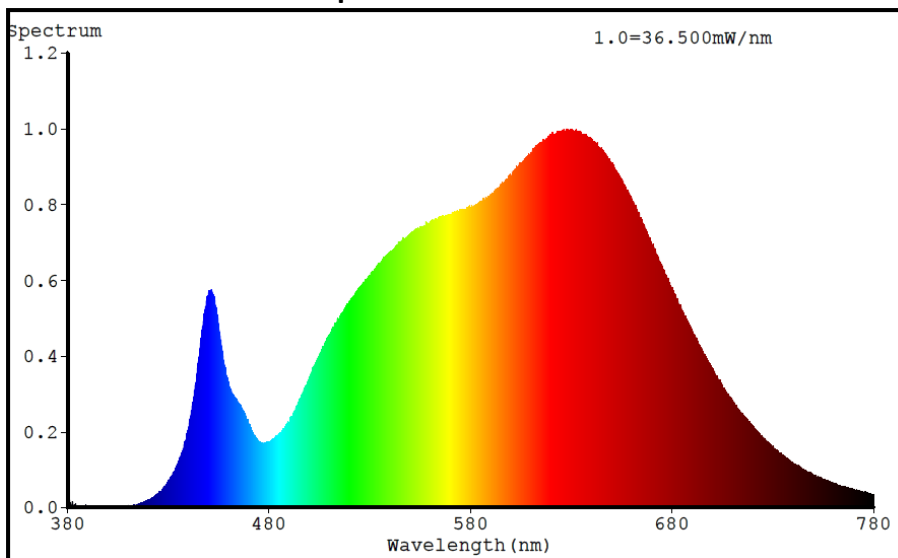
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### LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



### Spectral distribution



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