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## LUMINAIRE PHOTOMETRIC TEST REPORT

### 8745 CTLS NEA LED BLACK 40W, 4000K, ANGLE37°



#### Description Lines

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Manufacturer:	NOWODVORSKI LIGHTING
Model name:	8745 CTLS NEA LED BLACK 40W,4000K,ANGLE37
File name:	8745 CTLS NEA LED BLACK 40W,4000K,ANGLE37.ltd
Date:	2019-12-06
Report number:	EF 06/12/2019/34; EF 12/12/2019/32
Length:	170 mm
Width:	75 mm
Height:	205 mm
IP rating:	IP 20
Protection class:	I
Dimmable:	No

#### Equipment

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

Nowodvorski sp. j.

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

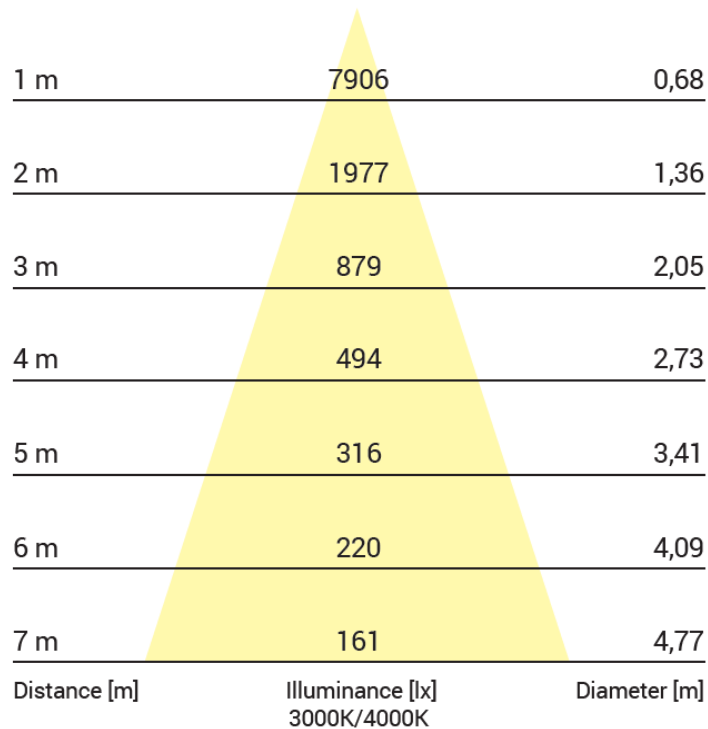
Tel. +48 34 344 91 10, 344 91 11, fax +48 34 344 91 12

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## Photometric data

Total luminous flux:	3689.54 lm
Color temperature:	3909 K
x:	0.3856
y:	0.3831
Color rendering index:	93.4
Wattage:	36.274 W
U	230.37 V
I	0.1631 A
Power factor:	0.9652
Luminous efficacy:	101.71 lm/W
Flux in lower hemisphere:	98.6%
Flux in upper hemisphere:	1.4%
Maximum luminous intensity:	7921 cd
Light output ratio (LOR):	100.00%

## Beam cone diagram Beam angle 37°

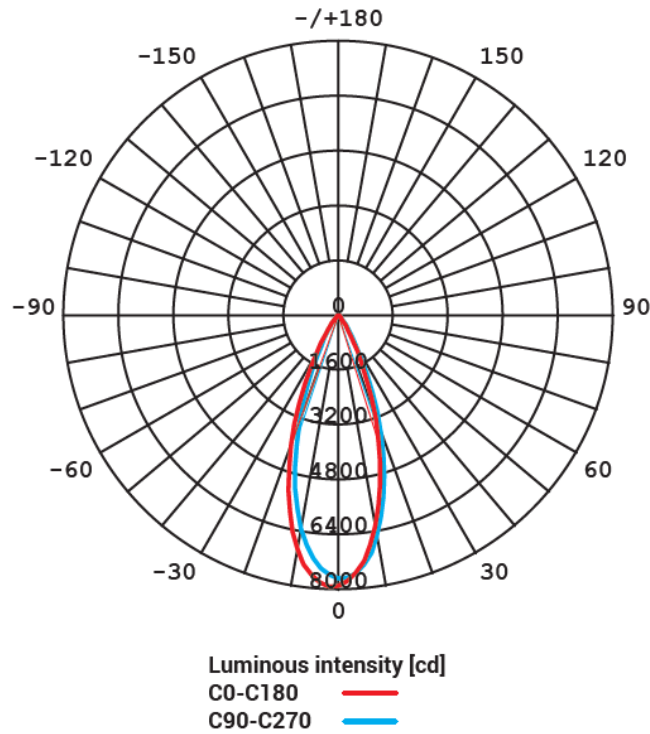


### Nowodvorski sp. j.

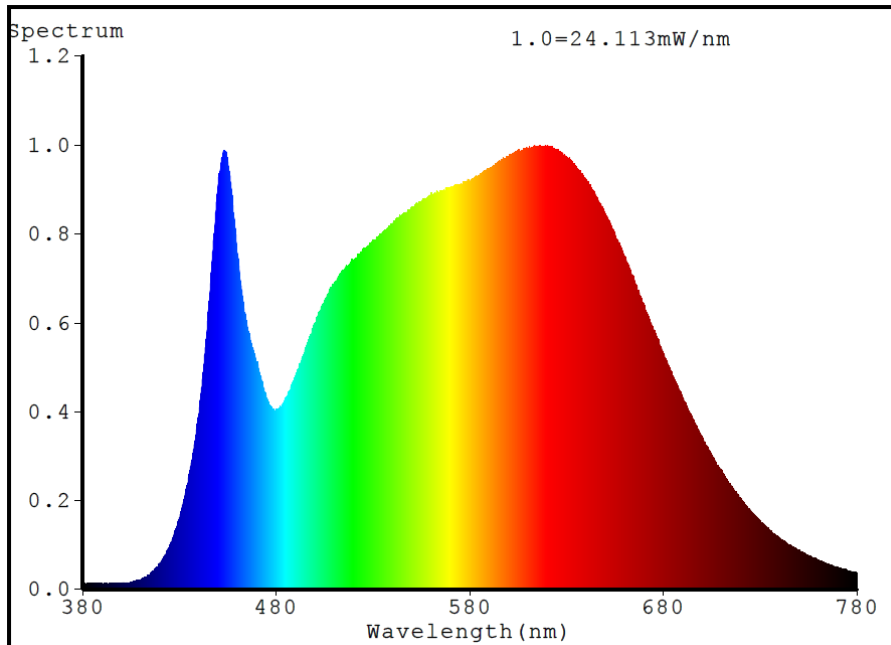
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### LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



### Spectral distribution



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## LUMINAIRE PHOTOMETRIC TEST REPORT

### 8745 CTLS NEA LED BLACK 40W, 4000K, ANGLE25°



#### Description Lines

Manufacturer:	NOWODVORSKI LIGHTING
Model name:	8745 CTLS NEA LED BLACK 40W,4000K,ANGLE25
File name:	8745 CTLS NEA LED BLACK 40W,4000K,ANGLE25.ltd
Date:	2019-12-06
Report number:	EF 06/12/2019/33; EF 12/12/2019/32
Length:	170 mm
Width:	75 mm
Height:	205 mm
IP rating:	IP 20
Protection class:	I
Dimmable:	No

#### Equipment

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

Nowodvorski sp. j.

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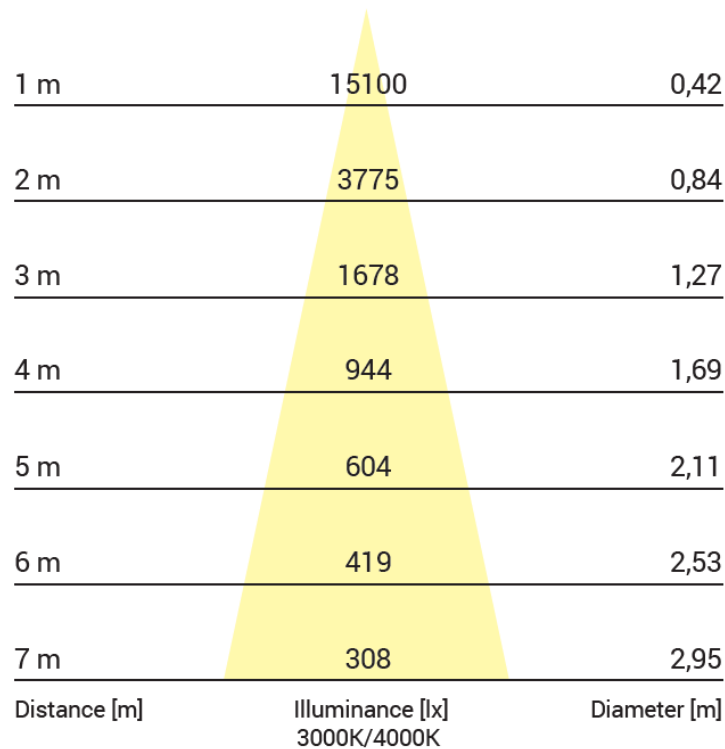
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## Photometric data

Total luminous flux:	3492.63 lm
Color temperature:	3909 K
x:	0.3856
y:	0.3831
Color rendering index:	93.4
Wattage:	36.241 W
U	230.39 V
I	0.1630 A
Power factor:	0.9651
Luminous efficacy:	96.37 lm/W
Flux in lower hemisphere:	98.6%
Flux in upper hemisphere:	1.4%
Maximum luminous intensity:	15100 cd
Light output ratio (LOR):	100.00%

## Beam cone diagram Beam angle 25°

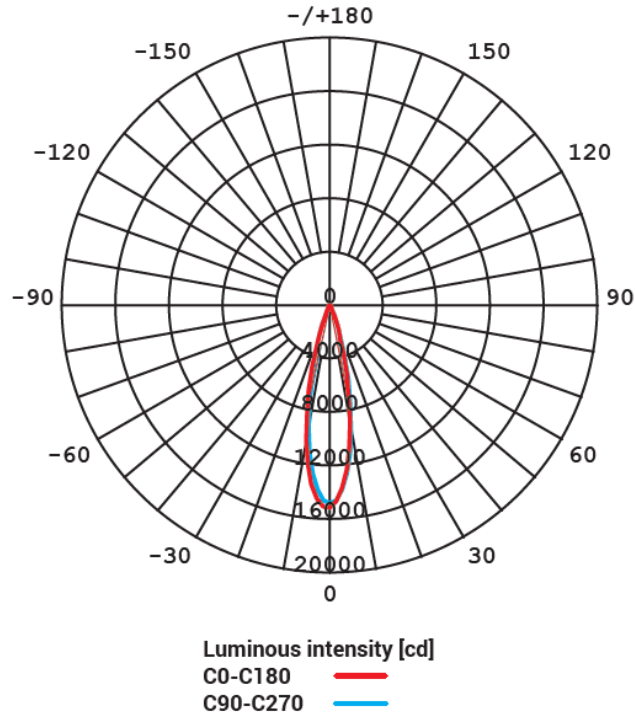


### Nowodvorski sp. j.

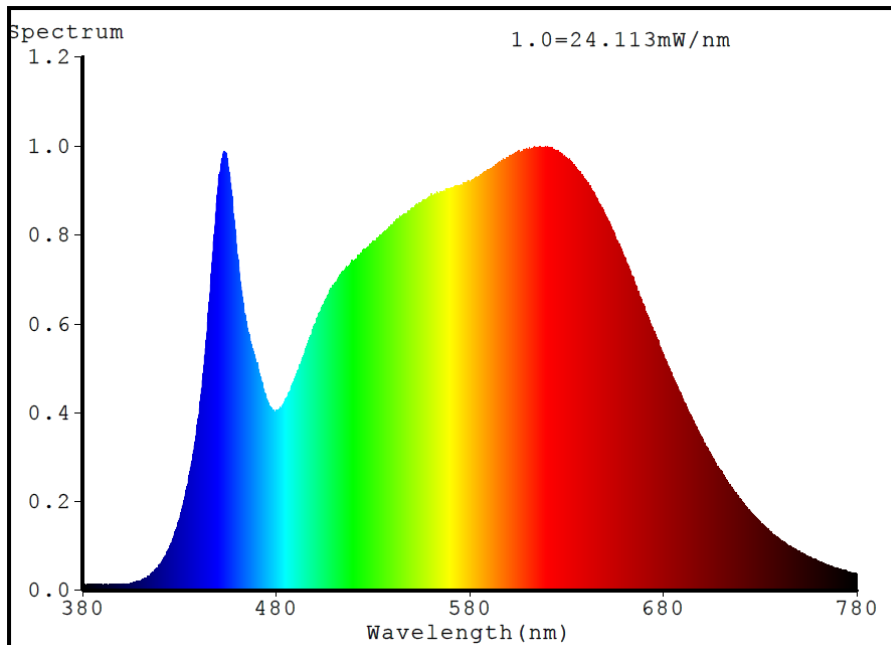
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### LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



### Spectral distribution



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## LUMINAIRE PHOTOMETRIC TEST REPORT

### 8745 CTLS NEA LED BLACK 40W, 4000K, ANGLE20°



#### Description Lines

Manufacturer:	NOWODVORSKI LIGHTING
Model name:	8745 CTLS NEA LED BLACK 40W,4000K,ANGLE20
File name:	8745 CTLS NEA LED BLACK 40W,4000K,ANGLE20.ldt
Date:	2019-12-06
Report number:	EF 06/12/2019/31; EF 12/12/2019/32
Length:	170 mm
Width:	75 mm
Height:	205 mm
IP rating:	IP 20
Protection class:	I
Dimmable:	No

#### Equipment

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

**Nowodvorski sp. j.**

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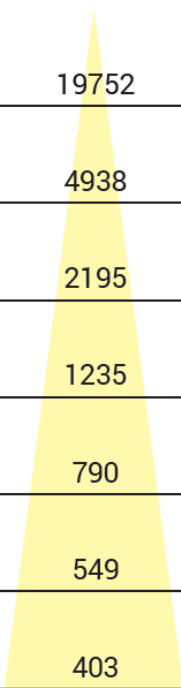
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## Photometric data

Total luminous flux:	3561.57 lm
Color temperature:	3909 K
x:	0.3856
y:	0.3831
Color rendering index:	93.4
Wattage:	36.210 W
U	230.53 V
I	0.1628 A
Power factor:	0.9650
Luminous efficacy:	98.36 lm/W
Flux in lower hemisphere:	98.6%
Flux in upper hemisphere:	1.4%
Maximum luminous intensity:	19752 cd
Light output ratio (LOR):	100.00%

## Beam cone diagram Beam angle 20°



1 m	19752	0,36
2 m	4938	0,72
3 m	2195	1,08
4 m	1235	1,43
5 m	790	1,79
6 m	549	2,15
7 m	403	2,51
Distance [m]	Illuminance [lx] 3000K/4000K	Diameter [m]

### Nowodvorski sp. j.

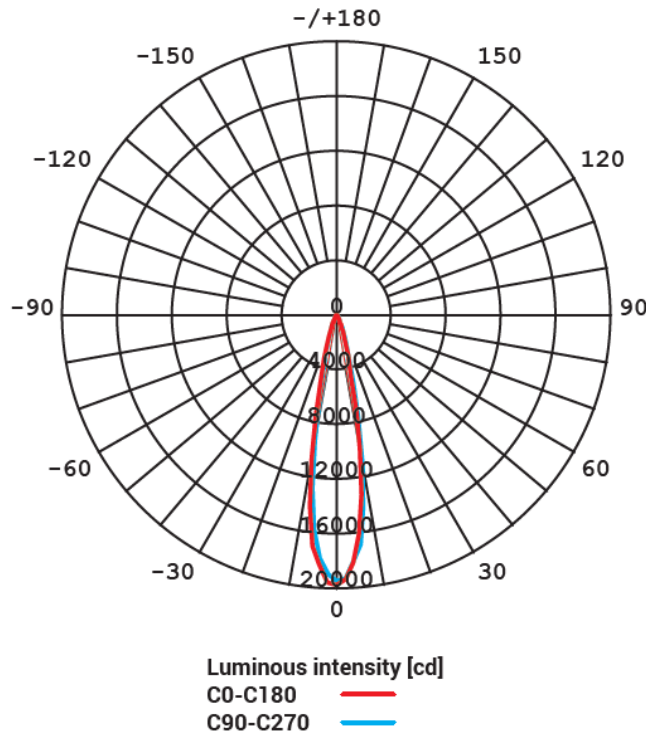
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### LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



### Spectral distribution

