

Report No.: 1

Test Time: 06.04.2019 14:45

## Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FD 111 92W 5000K 60 rp DALI

Lamp Description: LED

Diameter (mm): 260

Voltage: 231.4 V

Power: 91.18 W

Number of Lamps: 1

Luminous Height (mm): 178 mm

Current: 0.418 A

Power Factor: 0.984

## Photometric Results

CIE Class: Direct

Measurement Flux: 10854.7 lm

Downward Ratio: 100%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 106.0, 106.1, 109.8, 109.3

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 44.8, 44.7, 45.0, 44.6

Luminaire Efficacy Rating (LER): 119.01

Max. Intensity: 10827.96 cd

S/MH(C0/C180): 0.69

Total Rated Lamp Lumens: 10854.7 lm

Efficiency: 100%

Upward Ratio: 0%

Central Intensity: 10741.51 cd

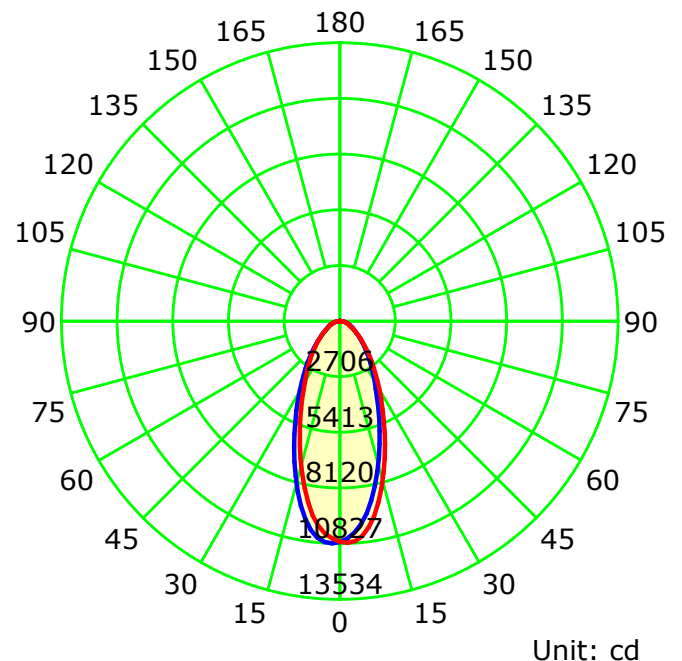
Pos of Max. Intensity: H135 V4

S/MH(C90/C270): 0.69

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180    — C90-C270

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

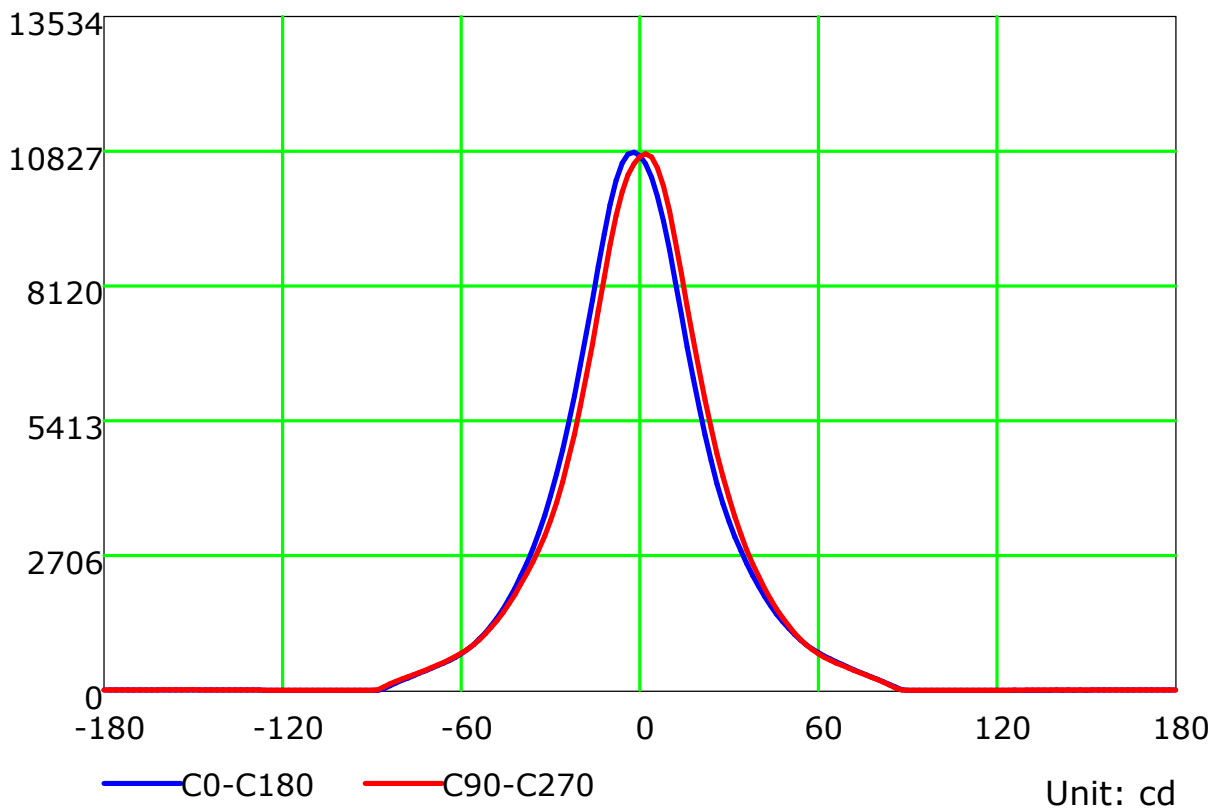
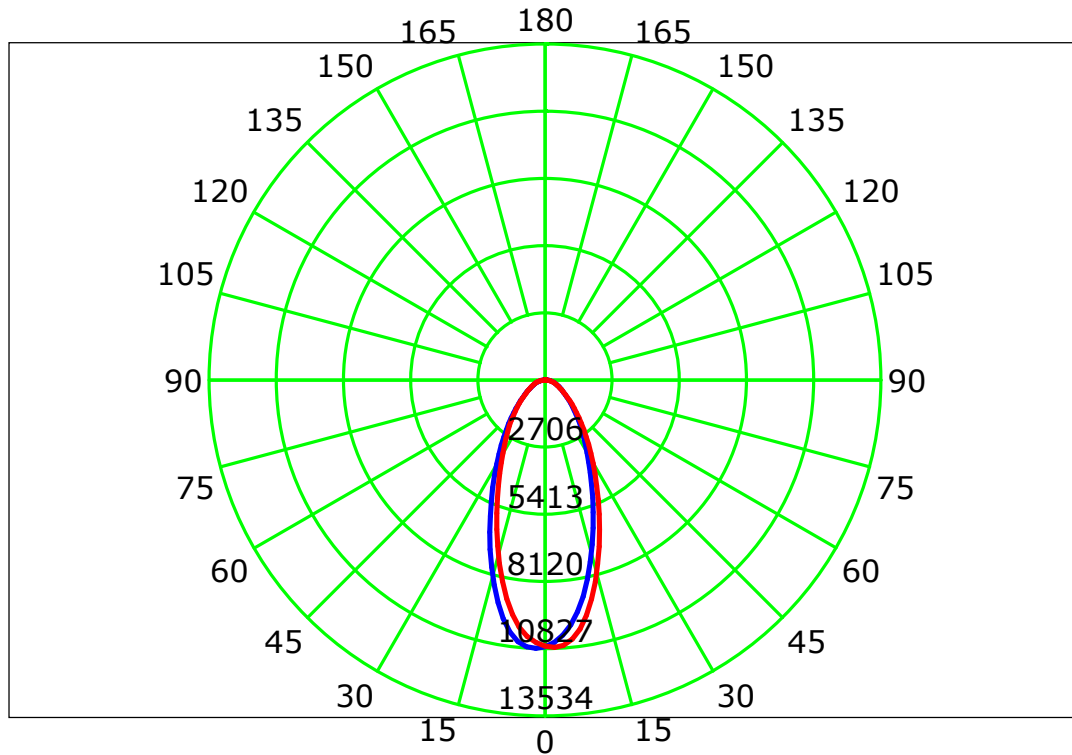
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

## Luminous Intensity Distribution Curve



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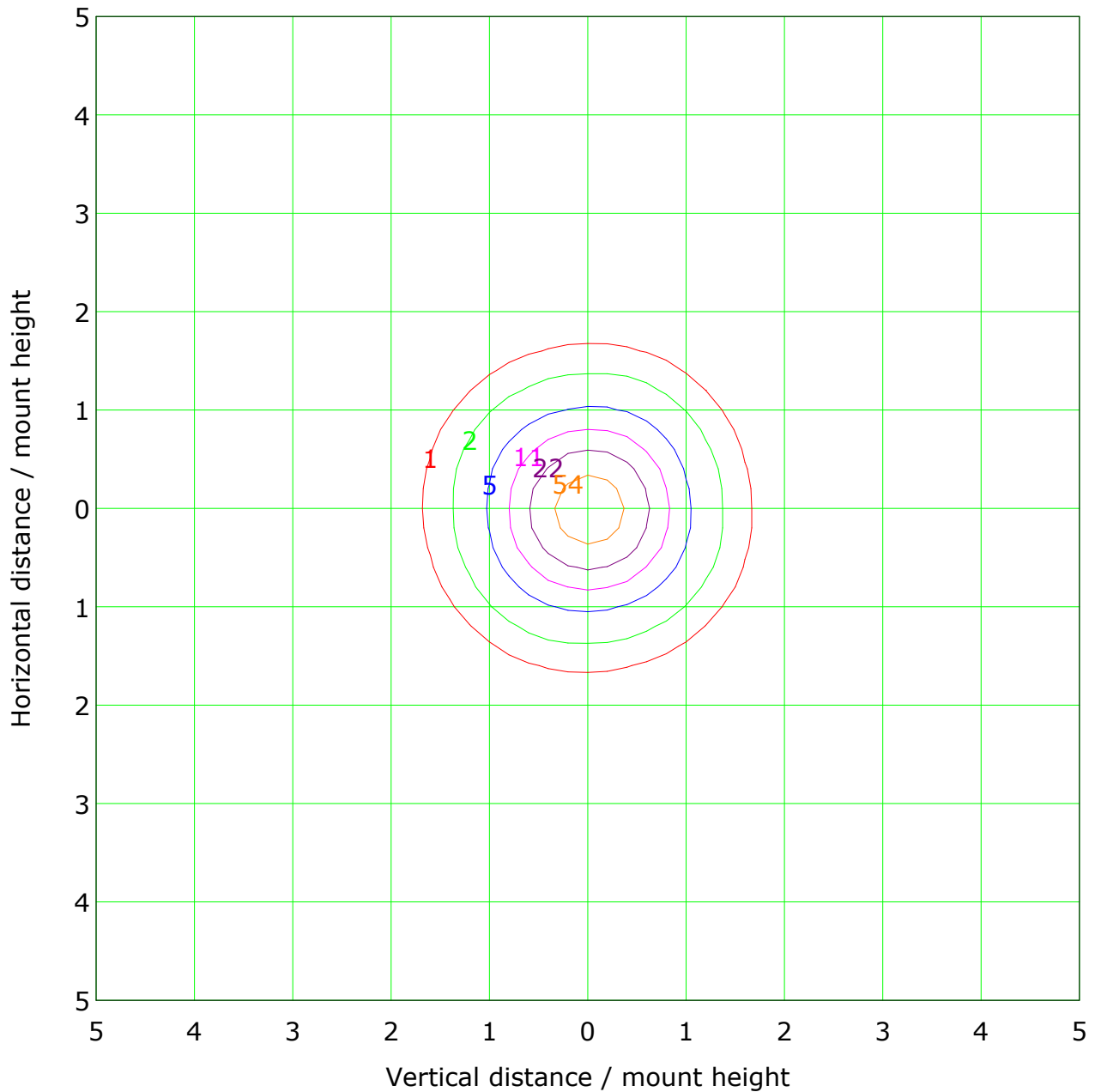
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

## IsoLux Plot



Mounting Height: 10.0m    Max Lux(100%): 108.1 lx

( 1%): 1.1 lx	( 2%): 2.2 lx
( 5%): 5.4 lx	( 10%): 10.8 lx
( 20%): 21.6 lx	( 50%): 54.0 lx
(100%): 108.1 lx	

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Gamma Plane (°):0.0-180.0:2.0

Test Device: LSG-1800B

Distance: 12.654 m

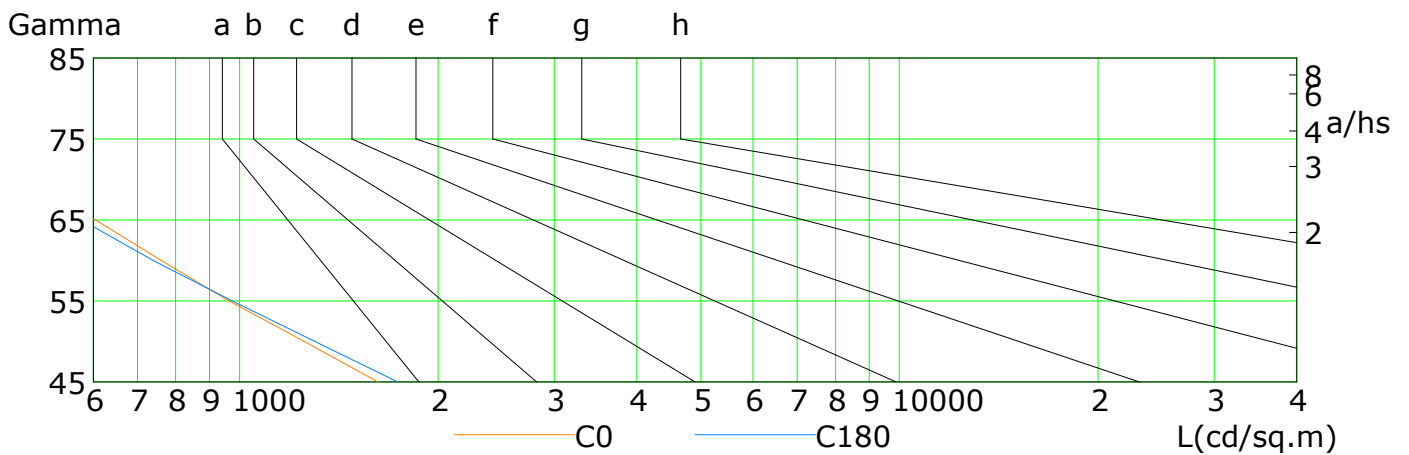
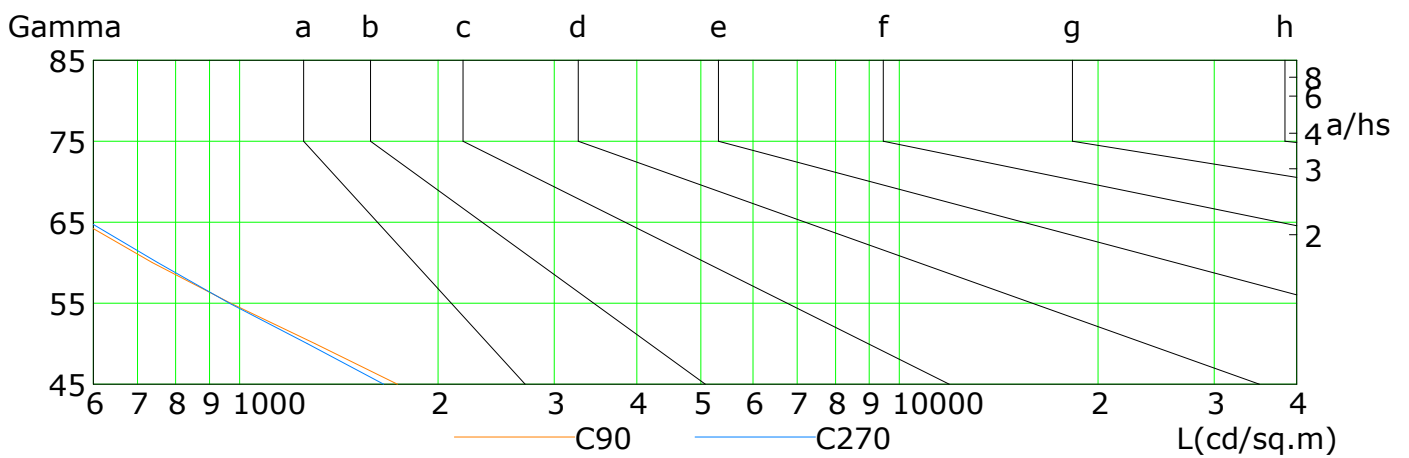
Humidity:

Inspector:

## Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300

a b c d e f g h



L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	1620	1252	964	760	605	466	341	223	94
C90	1734	1301	969	737	577	456	332	214	76
C180	1736	1299	974	739	575	446	325	200	64
C270	1653	1266	965	751	593	458	339	228	102

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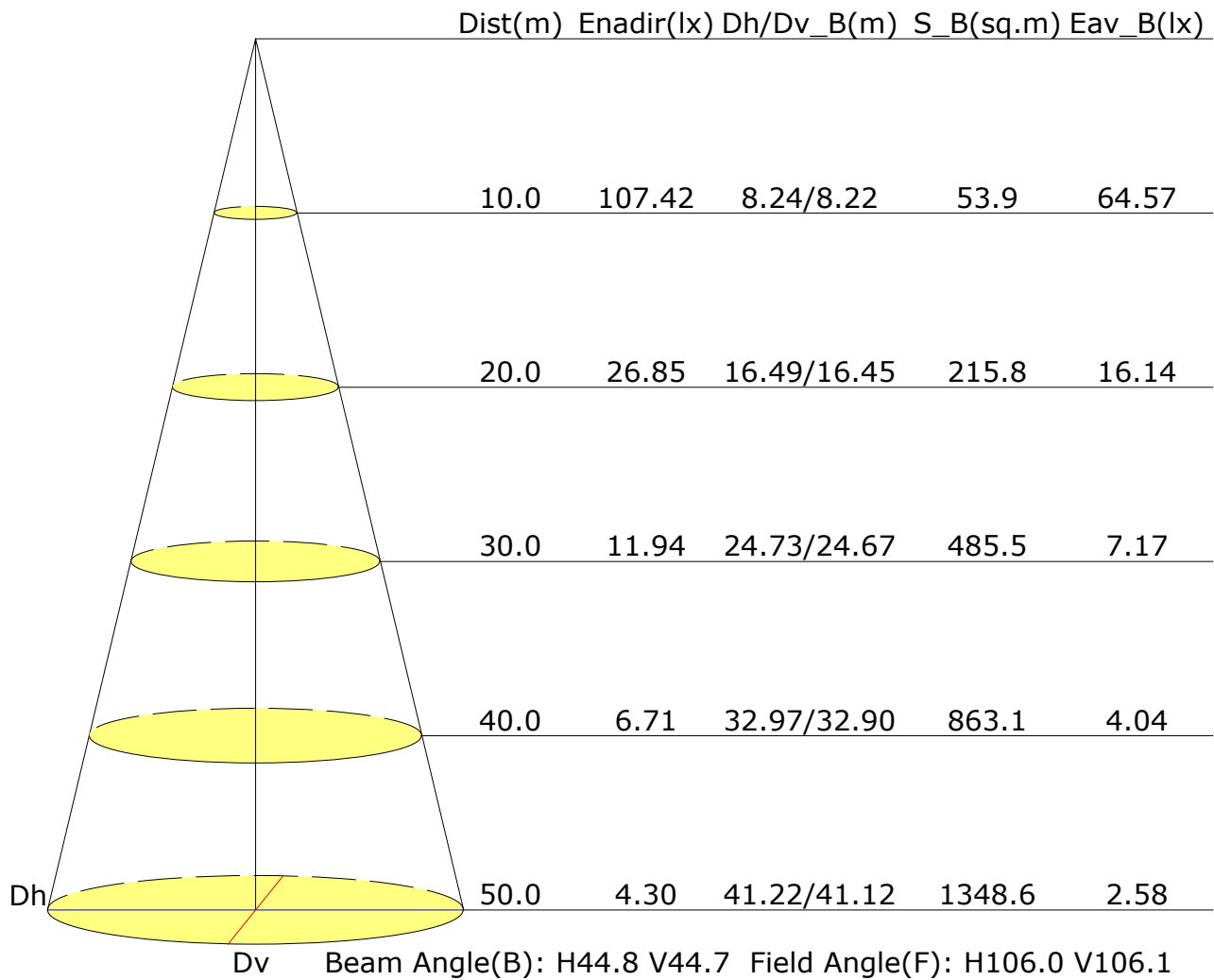
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

## Illuminance at a Distance



C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector: