

Report No.: 1

Test Time: 23.04.2019 11:37

## Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FD 111 192W 5000K 120 rp DALI

Lamp Description: LED

Luminous Diameter (mm): 400

Luminous Height (mm): 215

Voltage: 221.0 V

Current: 0.888 A

Power: 189.19 W

Power Factor: 0.963

## Photometric Results

CIE Class: Direct

Measurement Flux: 25097.1 lm

Downward Ratio: 99%

Total Rated Lamp Lumens: 25097.1 lm

Efficiency: 100%

Upward Ratio: 1%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 155.4, 155.3, 155.4, 155.2

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 115.0, 115.0, 115.1, 115.0

Luminaire Efficacy Rating (LER): 132.71

Central Intensity: 8703.09 cd

Max. Intensity: 8703.09 cd

Pos of Max. Intensity: H0 V0

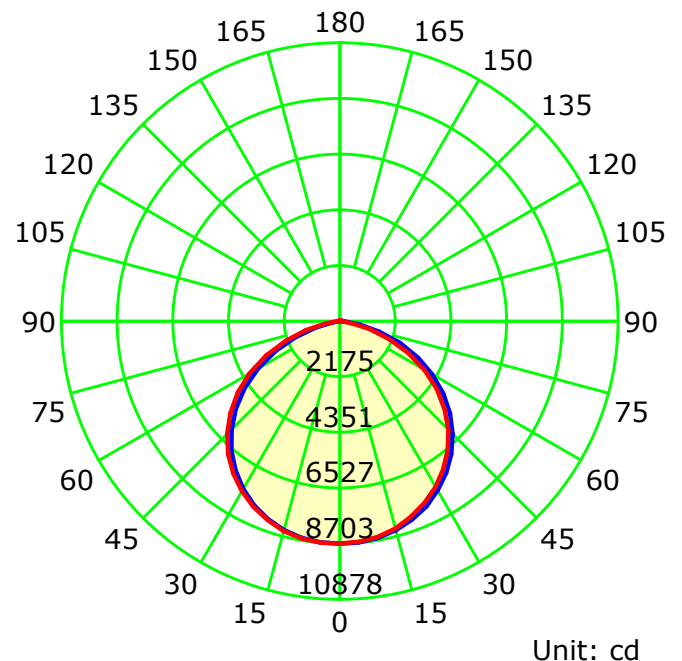
S/MH(C0/C180): 1.30

S/MH(C90/C270): 1.29

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 (°):0.0-180.0:5.0

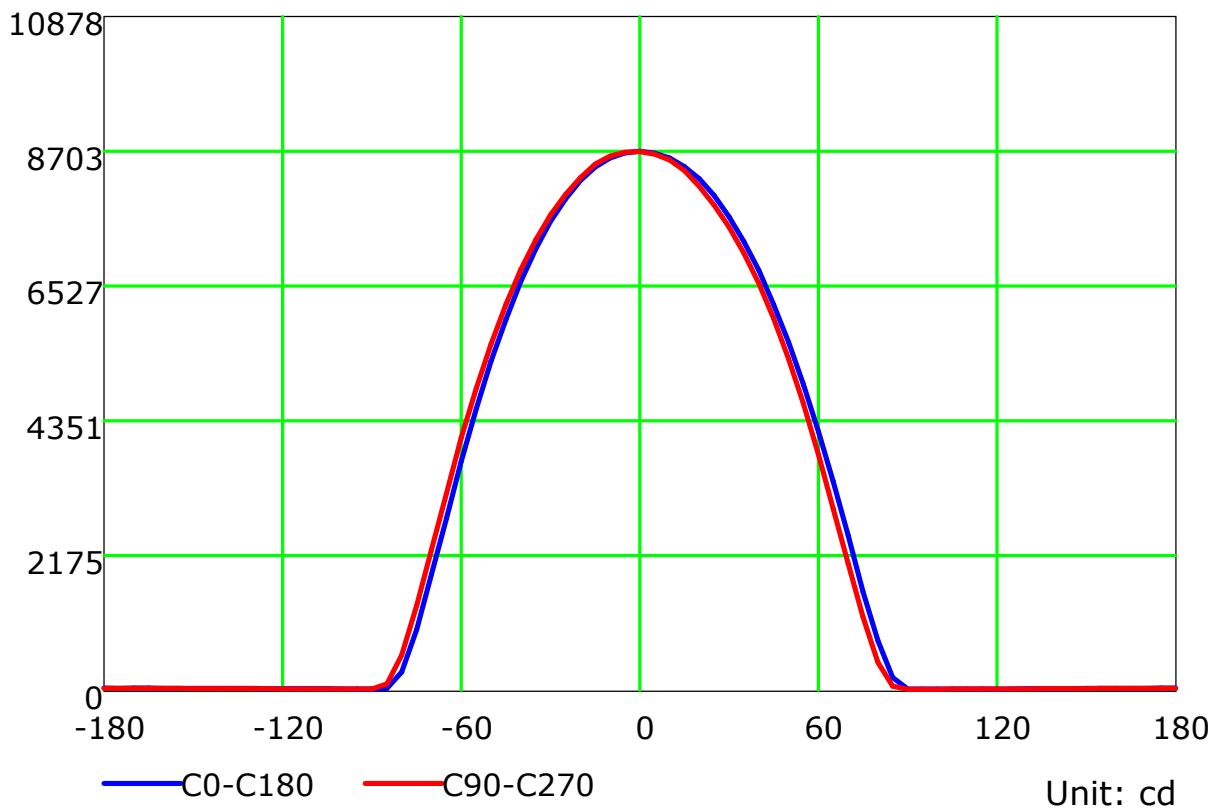
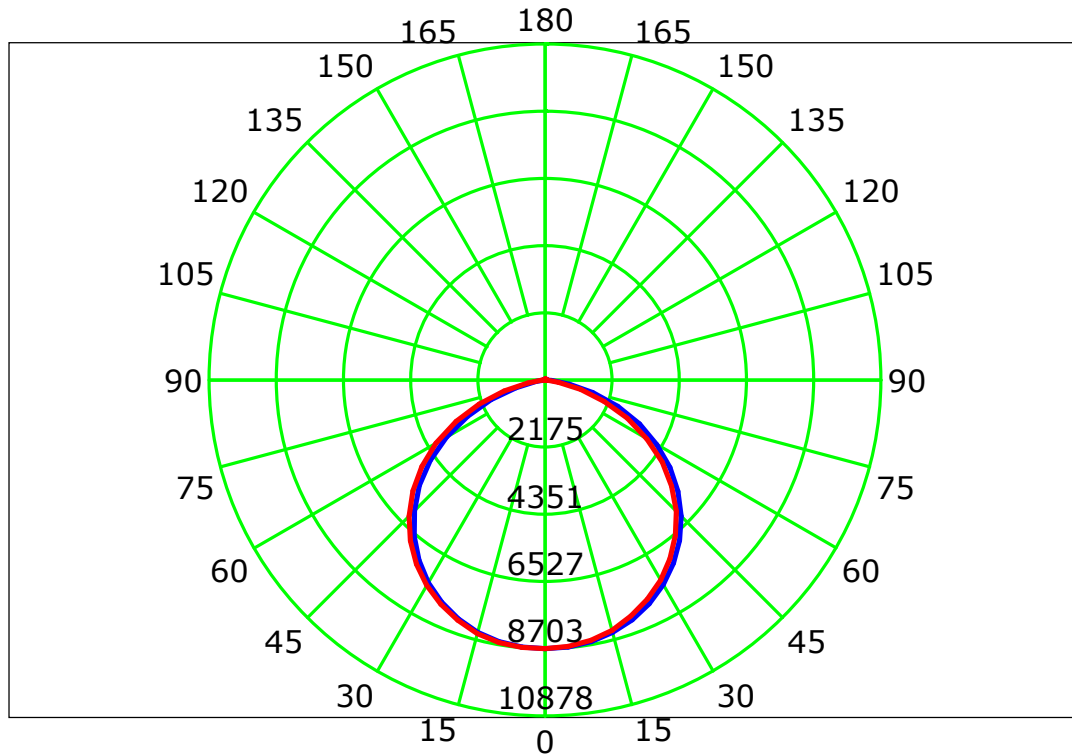
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

## Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:5.0

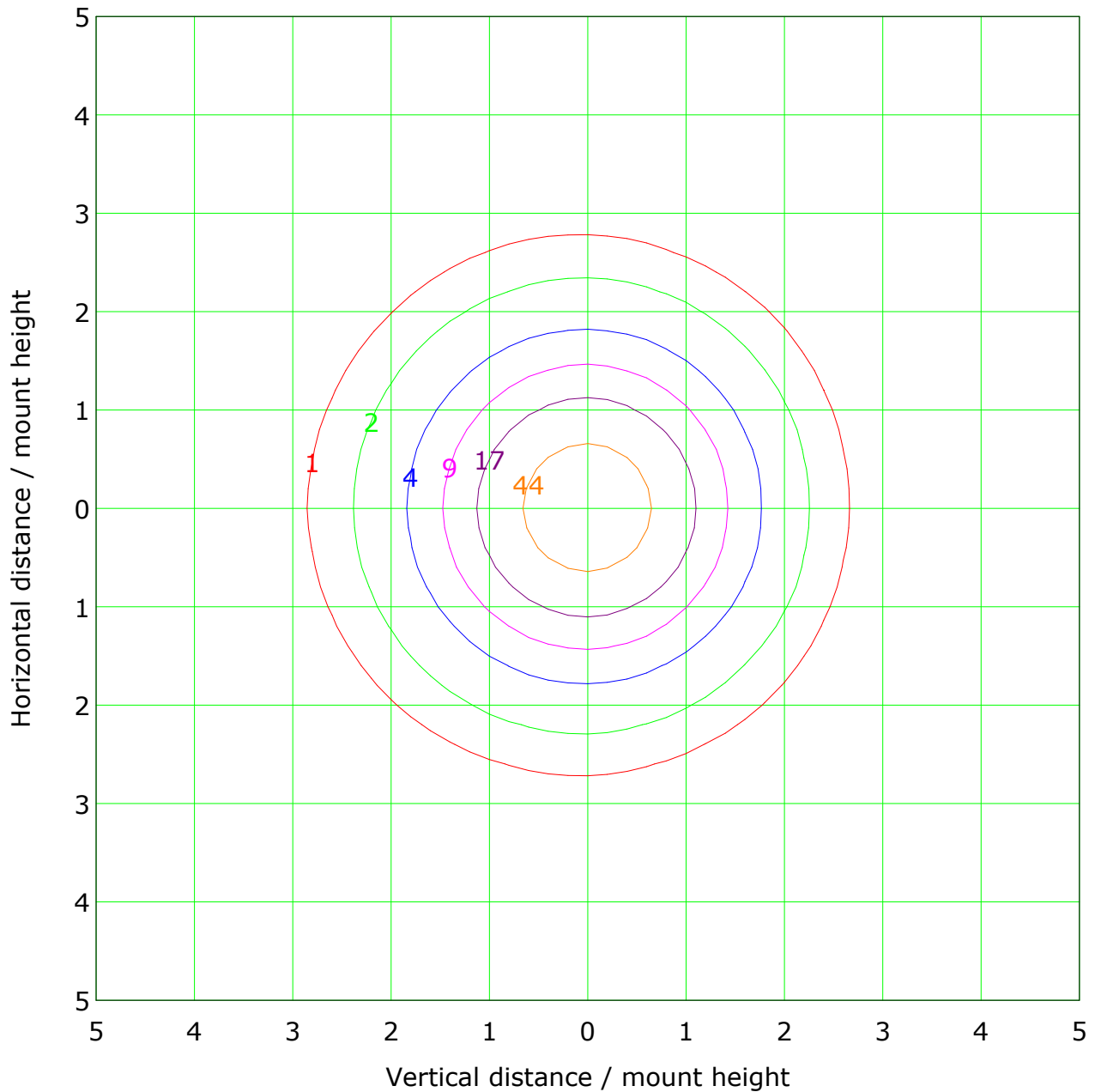
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

## IsoLux Plot



Mounting Height: 10.0m    Max Lux(100%): 87.0 lx

( 1%): 0.9 lx	( 2%): 1.7 lx
( 5%): 4.4 lx	( 10%): 8.7 lx
( 20%): 17.4 lx	( 50%): 43.5 lx
(100%): 87.0 lx	

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:5.0

Test Device: LSG-1800B

Distance: 12.654 m

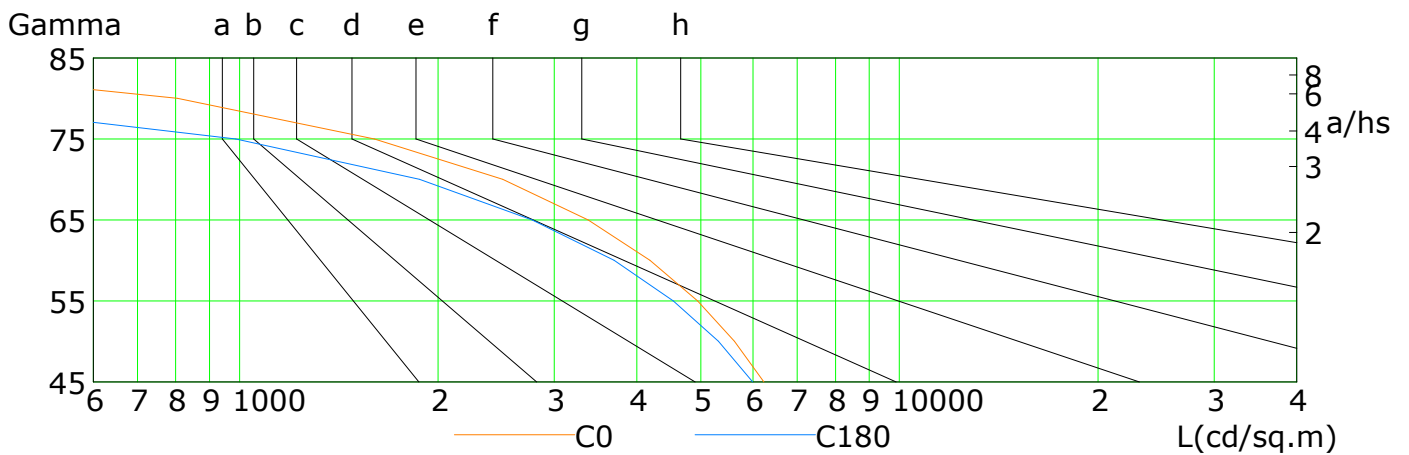
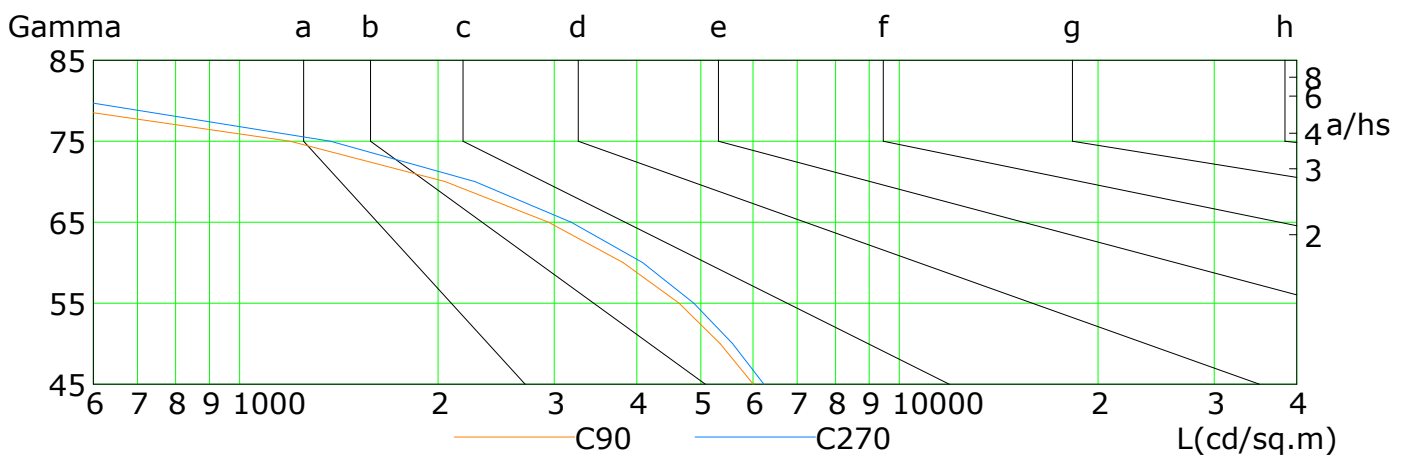
Humidity:

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	6230	5621	4943	4186	3376	2505	1600	805	210
C90	6009	5350	4633	3813	2940	2049	1193	452	71
C180	5992	5317	4544	3696	2776	1873	987	296	34
C270	6234	5589	4878	4082	3182	2272	1373	569	106

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:5.0

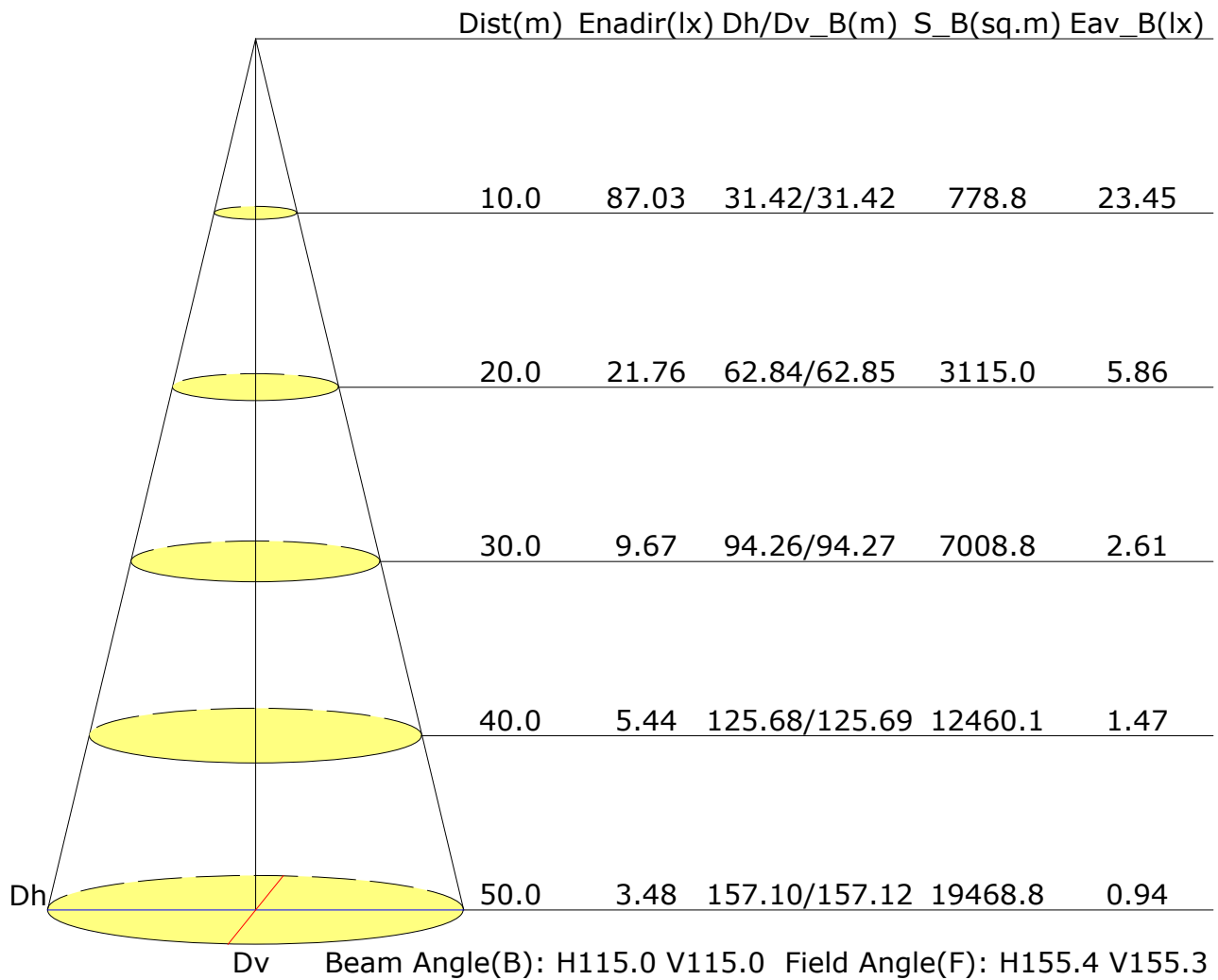
Test Device: LSG-1800B

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 (°):0.0-180.0:5.0

Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector: