

Report No.: 1

Test Time: 01.04.2019 09:54

## Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FT 91 10W 5000K 60°

Lamp Description: LED

Luminous Width (mm): -91

Voltage: 220.4 V

Power: 10.48 W

Luminous Length (mm): -91

Luminous Height (mm): 210

Current: 0.049 A

Power Factor: 0.955

## Photometric Results

CIE Class: Direct

Measurement Flux: 1101 lm

Downward Ratio: 99%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 93.0, 93.5, 93.4, 93.3

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 78.7, 78.6, 78.8, 78.6

Luminaire Efficacy Rating (LER): 105.11

Max. Intensity: 714.11 cd

S/MH(C0/C180): 1.28

Total Rated Lamp Lumens: 1101.0 lm

Efficiency: 100%

Upward Ratio: 1%

Central Intensity: 712.29 cd

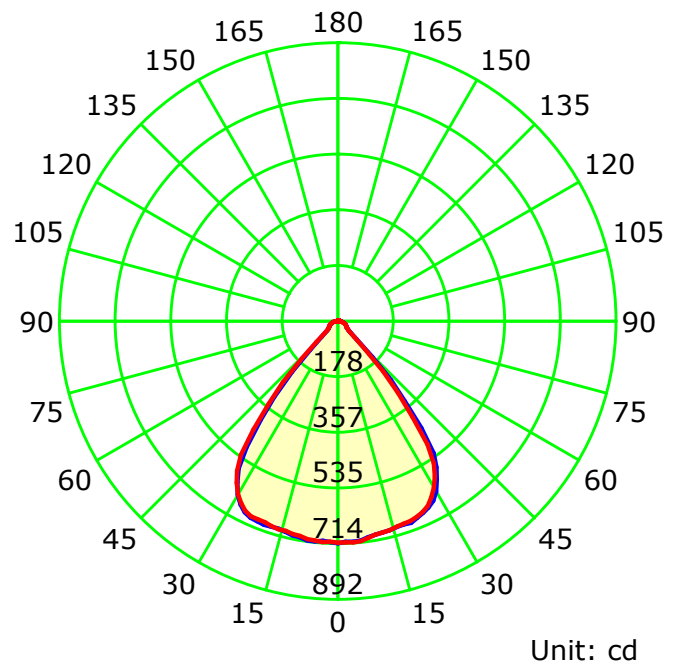
Pos of Max. Intensity: H247.5 V6

S/MH(C90/C270): 1.27

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

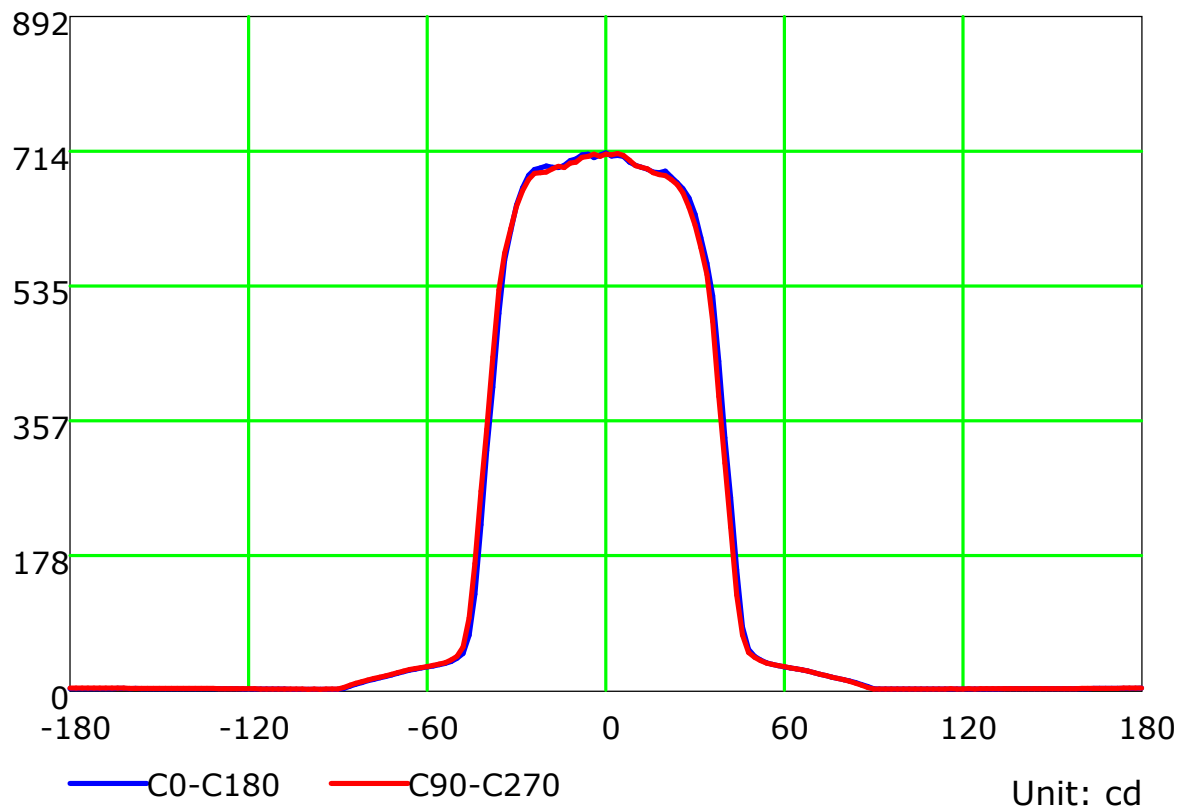
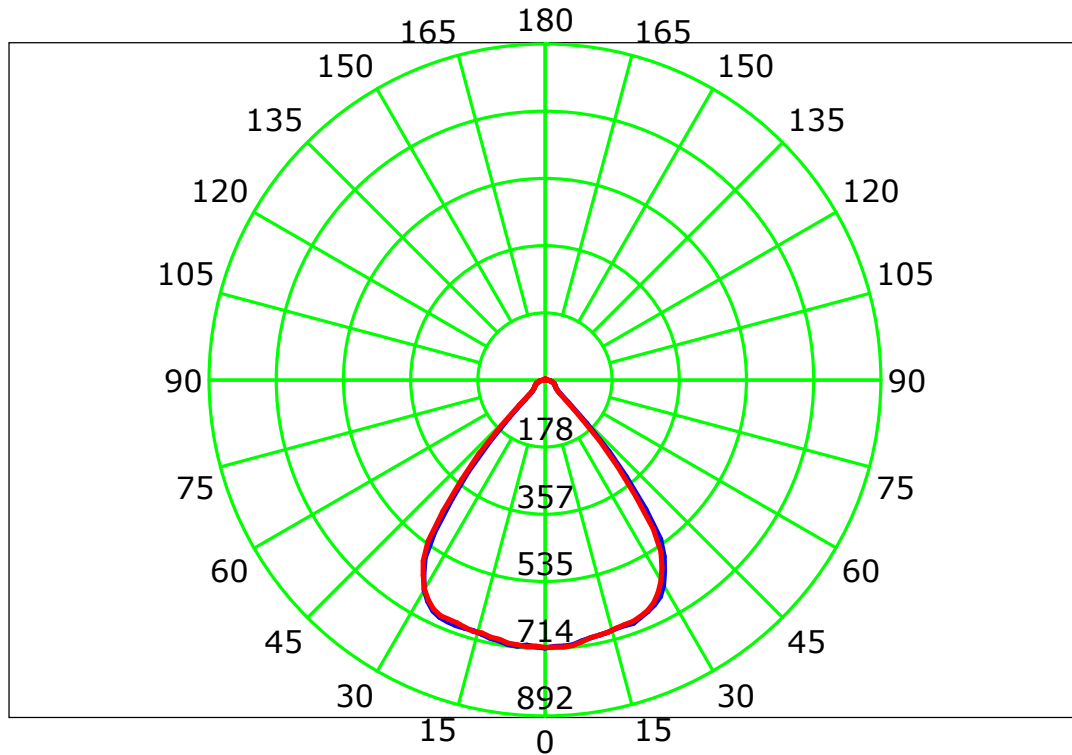
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

## Luminous Intensity Distribution Curve



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Test Lab:

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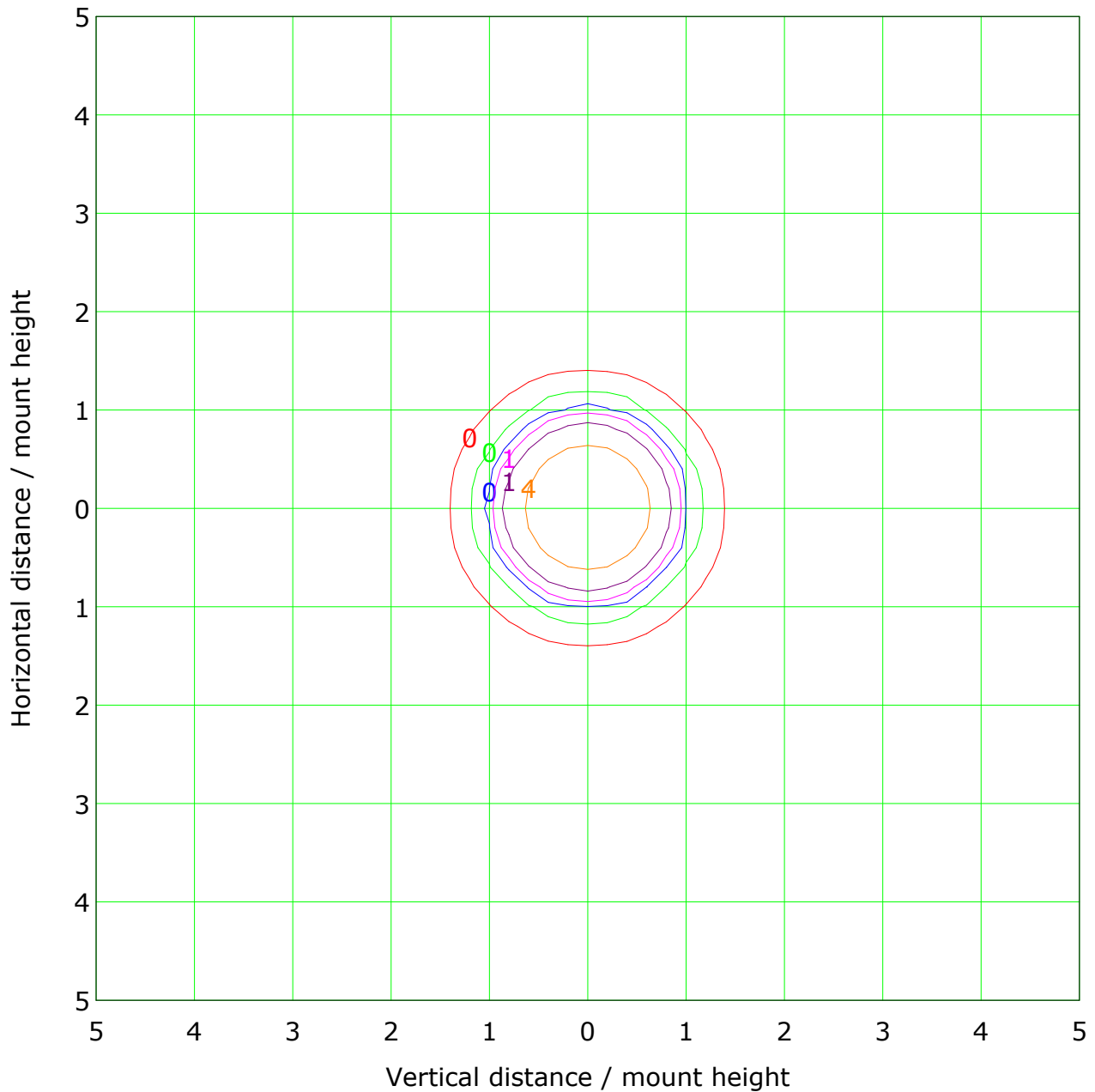
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

## IsoLux Plot



Mounting Height: 10.0m    Max Lux(100%): 7.1 lx

( 1%): 0.1 lx	( 2%): 0.1 lx
( 5%): 0.4 lx	( 10%): 0.7 lx
( 20%): 1.4 lx	( 50%): 3.6 lx
(100%): 7.1 lx	

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Gamma Plane (°):0.0-180.0:2.0

Test Device: LSG-1800B

Distance: 12.654 m

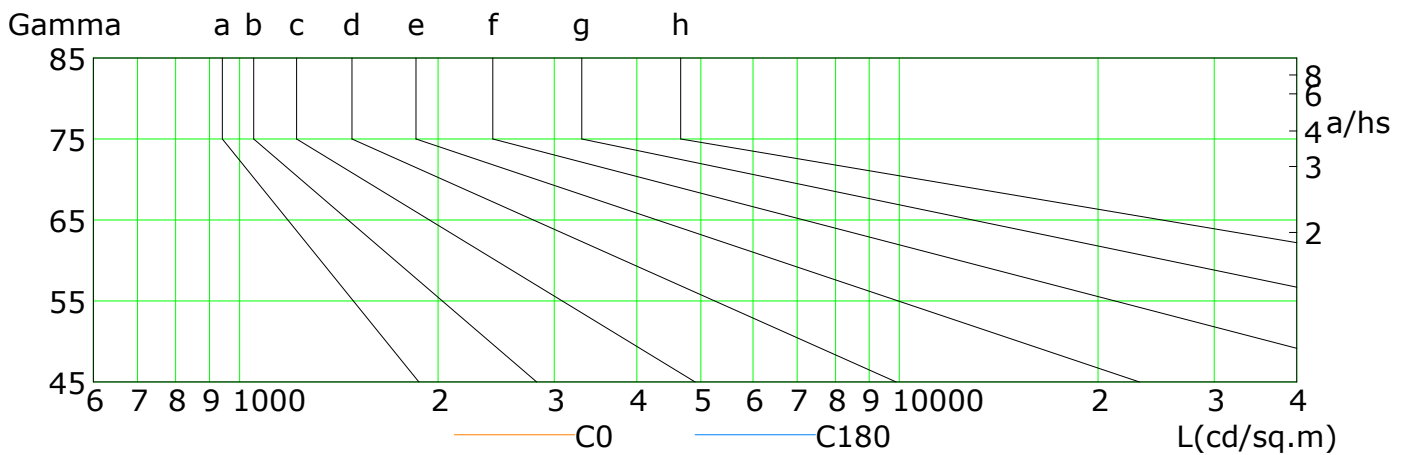
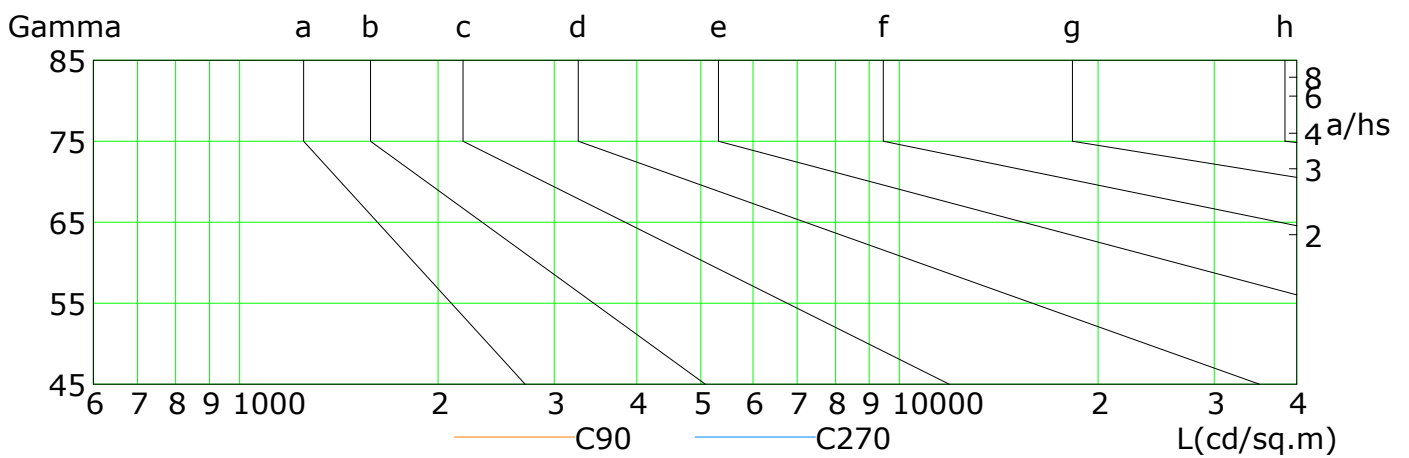
Humidity:

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	122	45	36	31	28	24	19	14	9
C90	100	44	35	31	28	24	19	14	8
C180	100	43	35	31	28	23	17	13	7
C270	132	45	36	32	28	24	18	14	8

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Test Lab:

Test Type: TYPE C

Temperature:

Operator:

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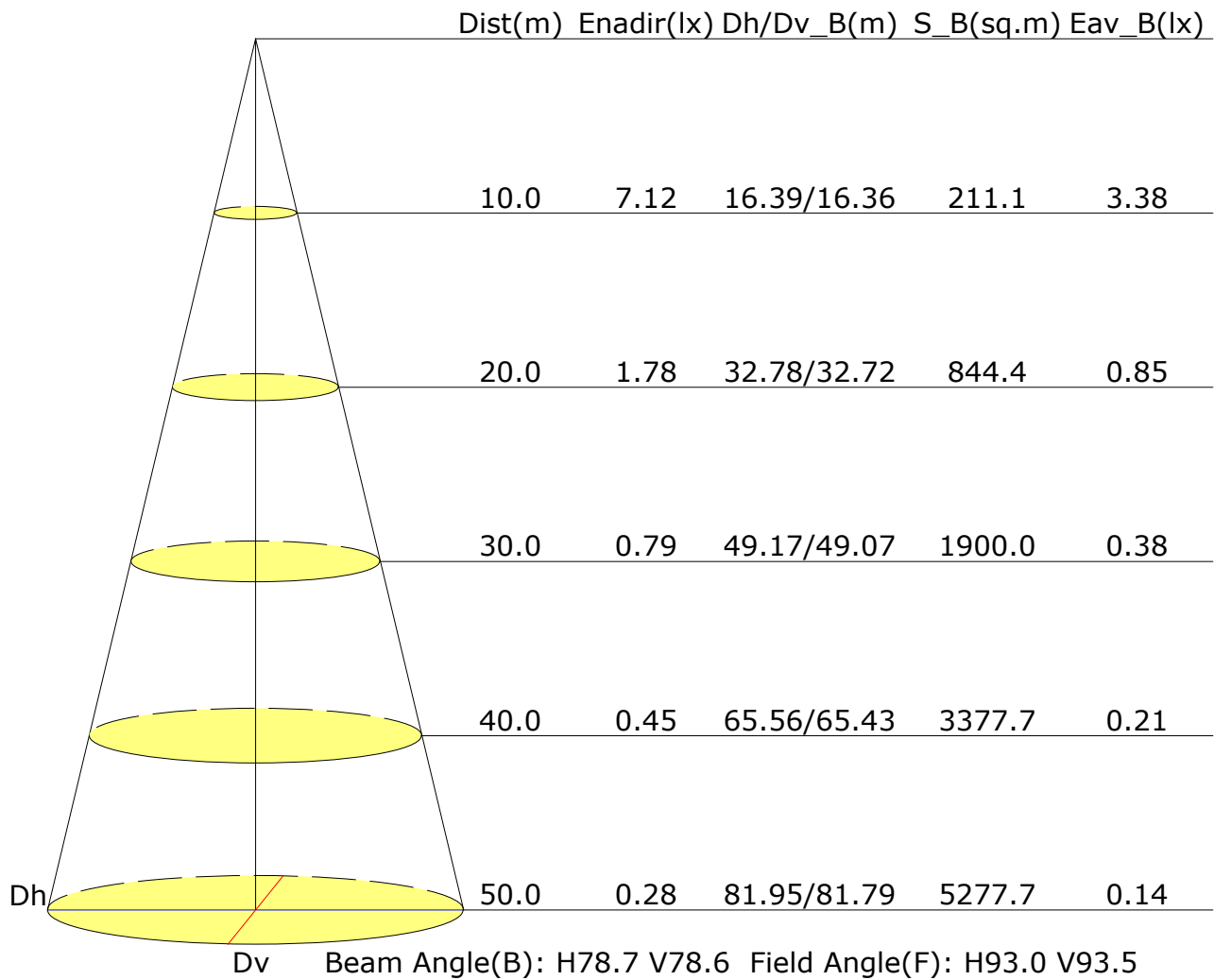
Test Device: LSG-1800B

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: