

Report No.: 2

Test Time: 16.04.2019 11:50

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FD 111 145W 5000K 60 rp DALI

Lamp Description: LED

Lumens per Lamp: 17776.2 lm

Luminous Height (mm): 204 mm

Current: 0.709 A

Power Factor: 0.973

Number of Lamps: 1

Diameter (mm): 325 mm

Voltage: 231.5 V

Power: 144.28 W

Photometric Results

CIE Class: Direct

Measurement Flux: 17760.9 lm

Downward Ratio: 99.63%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 104.9, 105.4, 102.4, 103.1

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 46.7, 46.7, 46.7, 46.5

Luminaire Efficacy Rating (LER): 123.15

Max. Intensity: 18926.62 cd

S/MH(C0/C180): 0.72

Total Rated Lamp Lumens: 17776.2 lm

Efficiency: 99.91%

Upward Ratio: 0.28%

Central Intensity: 18860.15 cd

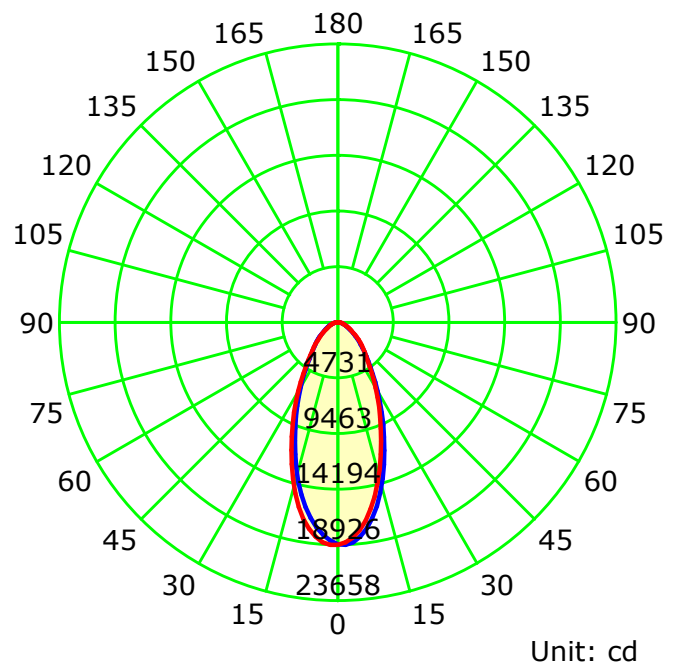
Pos of Max. Intensity: H0 V2

S/MH(C90/C270): 0.72

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

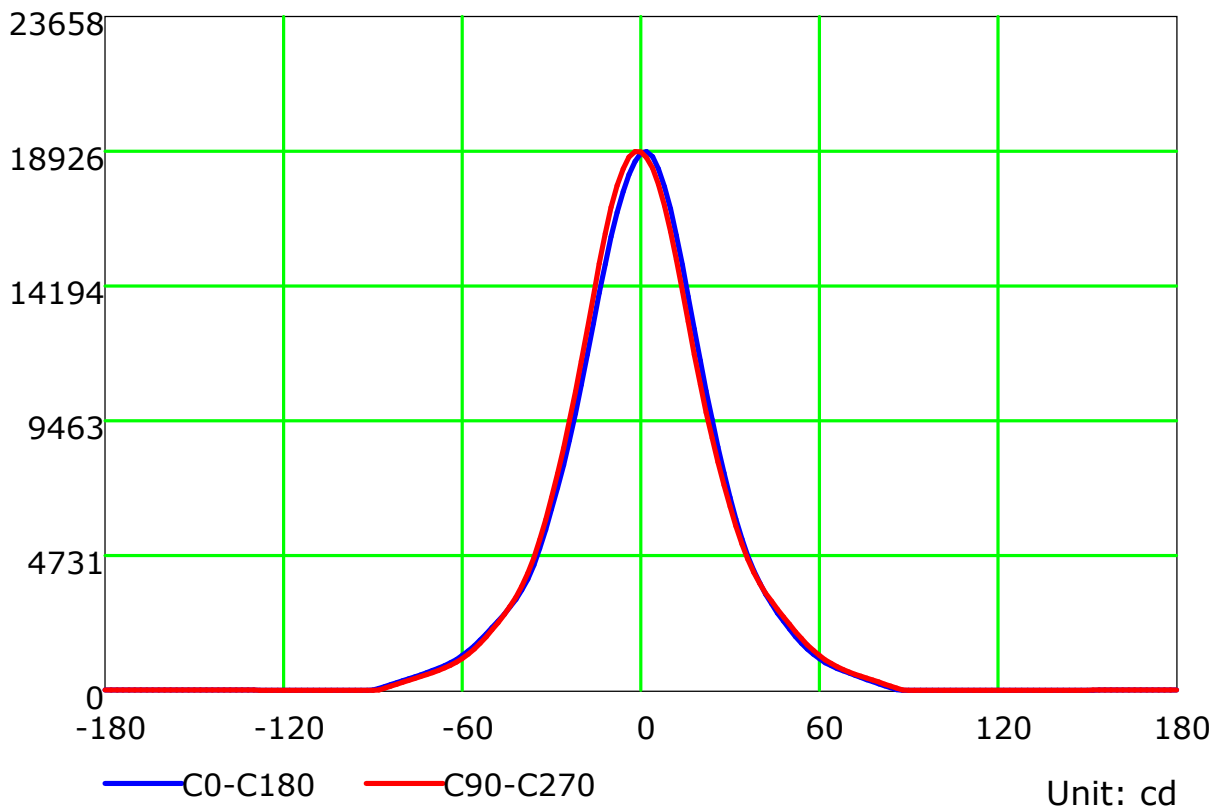
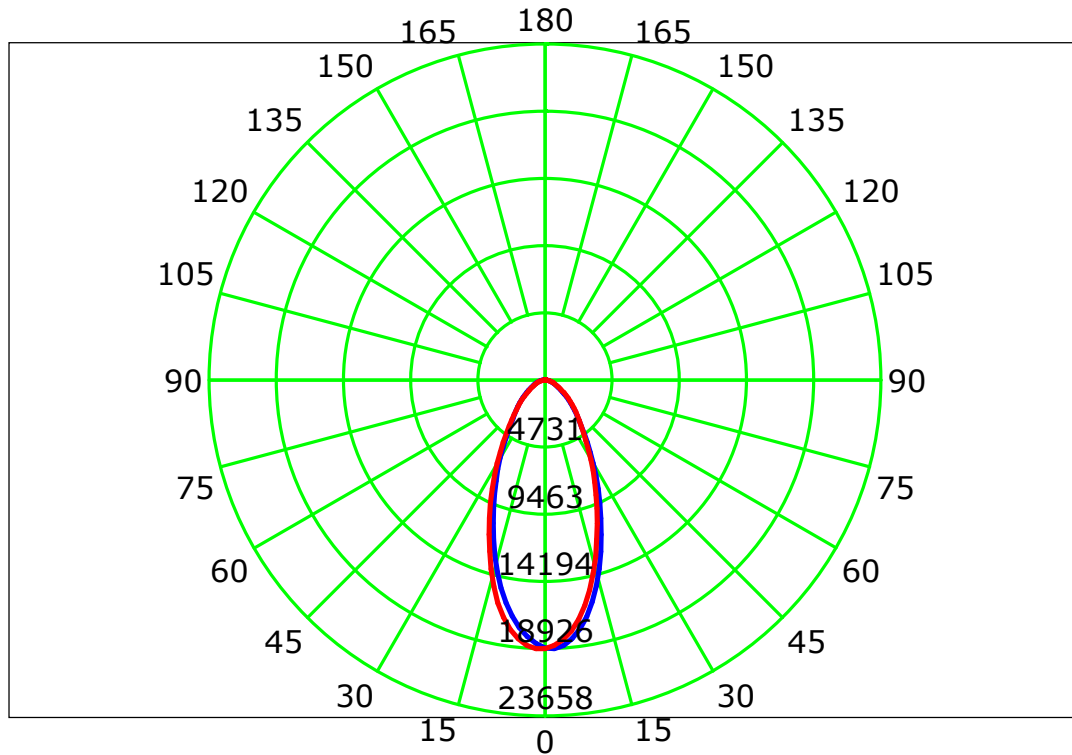
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve



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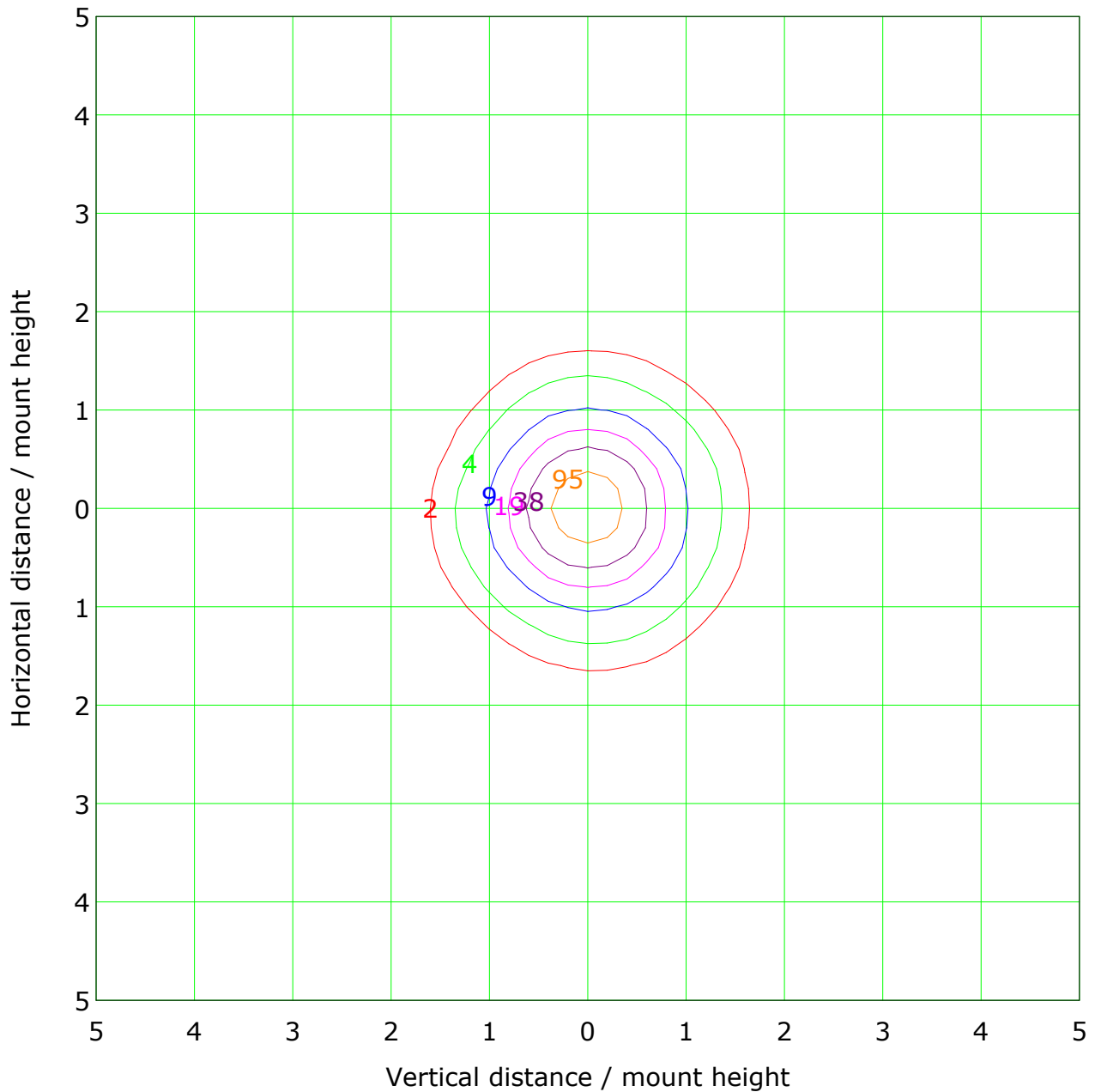
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Distance: 12.654 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 189.1 lx

(1%): 1.9 lx	(2%): 3.8 lx
(5%): 9.5 lx	(10%): 18.9 lx
(20%): 37.8 lx	(50%): 94.6 lx
(100%): 189.1 lx	

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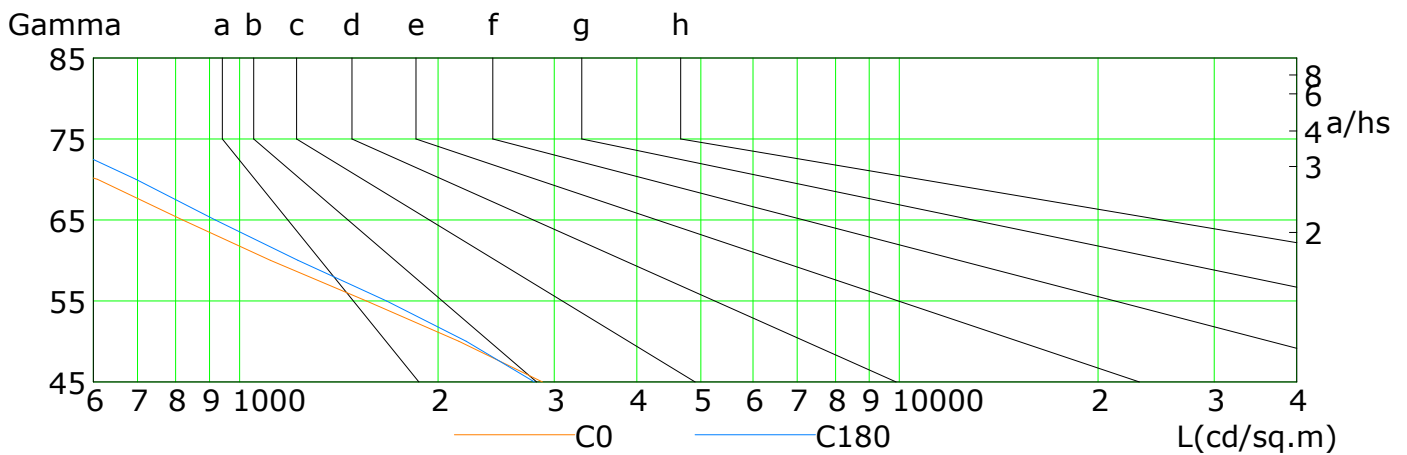
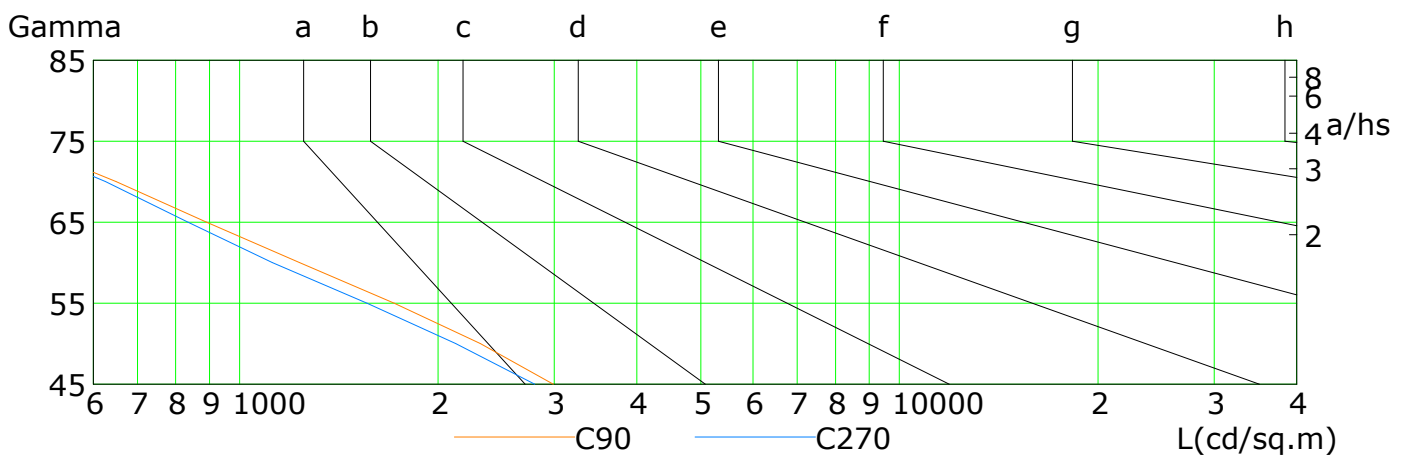
Humidity:

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	2877	2150	1557	1113	820	609	419	234	60
C90	2988	2315	1716	1232	891	650	464	292	118
C180	2799	2206	1670	1226	919	697	515	344	176
C270	2801	2126	1559	1121	836	626	454	285	115

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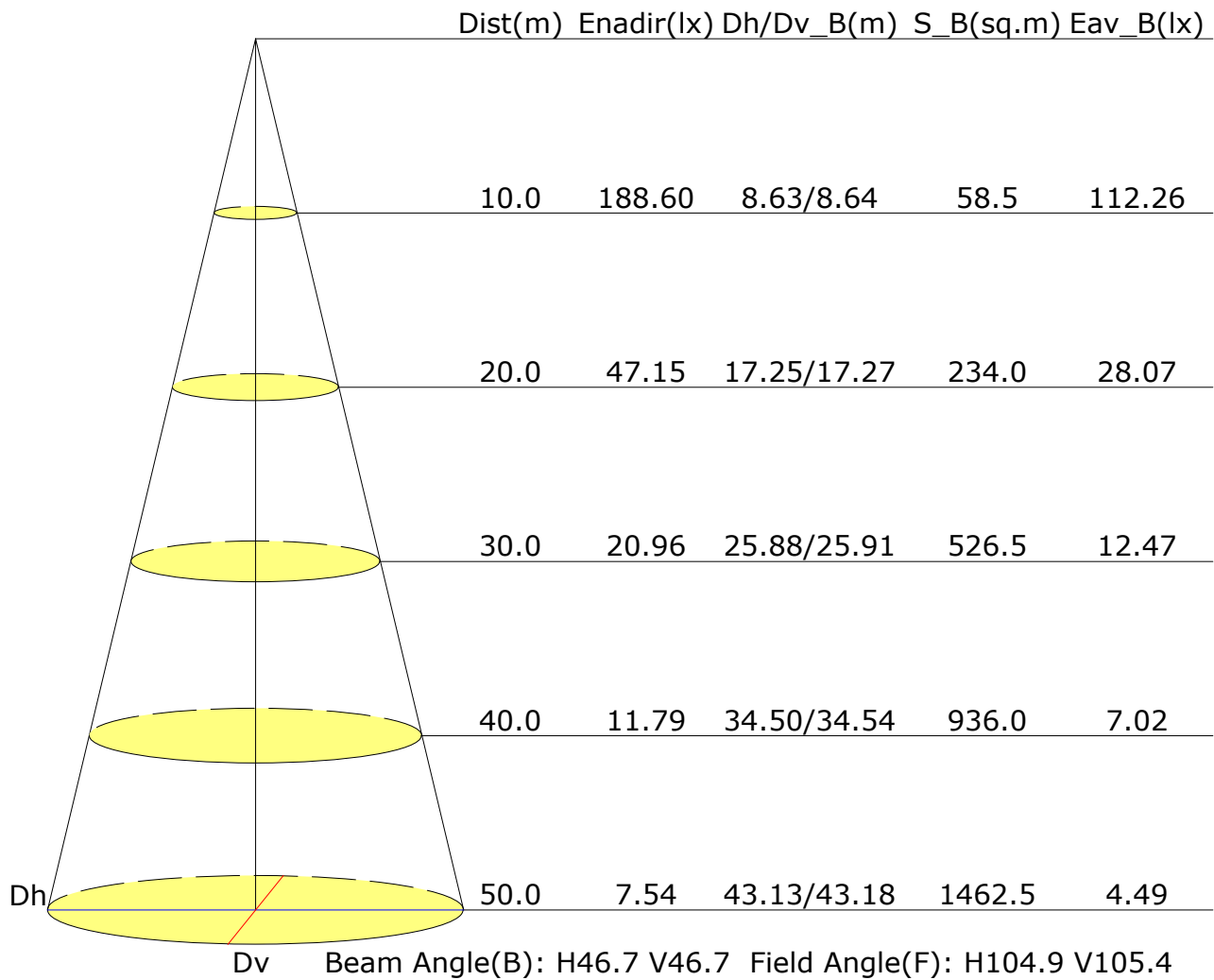
Test Device: LSG-1800B

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: