

Report No.: 1

Test Time: 07.04.2019 14:36

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FL 750 60LED 0,39A 20W 5000K opal

Lamp Description: LED

Luminous Width (mm): 115

Voltage: 220.6 V

Power: 19.36 W

Luminous Length (mm): 750

Luminous Height (mm): 64

Current: 0.091 A

Power Factor: 0.962

Photometric Results

CIE Class: Direct

Measurement Flux: 2163.2 lm

Downward Ratio: 99%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 165.7, 163.8, 164.6, 164.8

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 113.7, 113.2, 113.4, 113.4

Luminaire Efficacy Rating (LER): 111.78

Max. Intensity: 730.66 cd

S/MH(C0/C180): 1.26

Total Rated Lamp Lumens: 2163.2 lm

Efficiency: 100%

Upward Ratio: 1%

Central Intensity: 728.97 cd

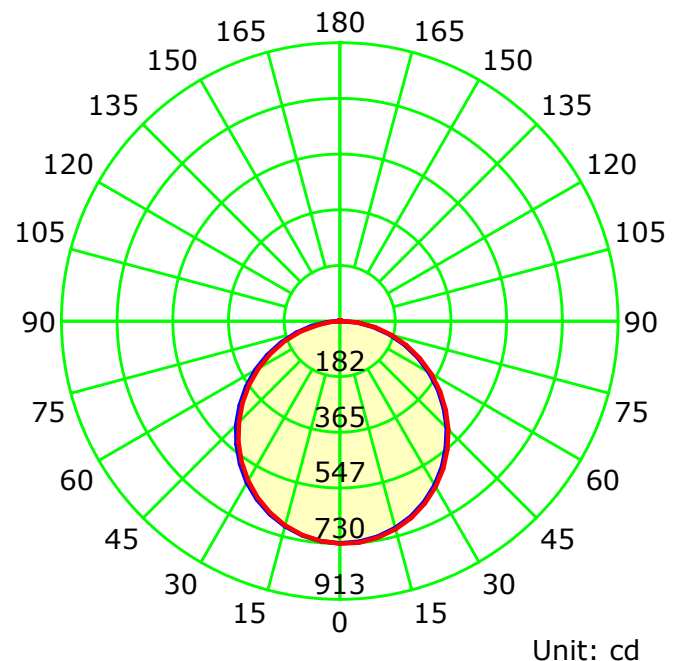
Pos of Max. Intensity: H157.5 V0

S/MH(C90/C270): 1.25

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

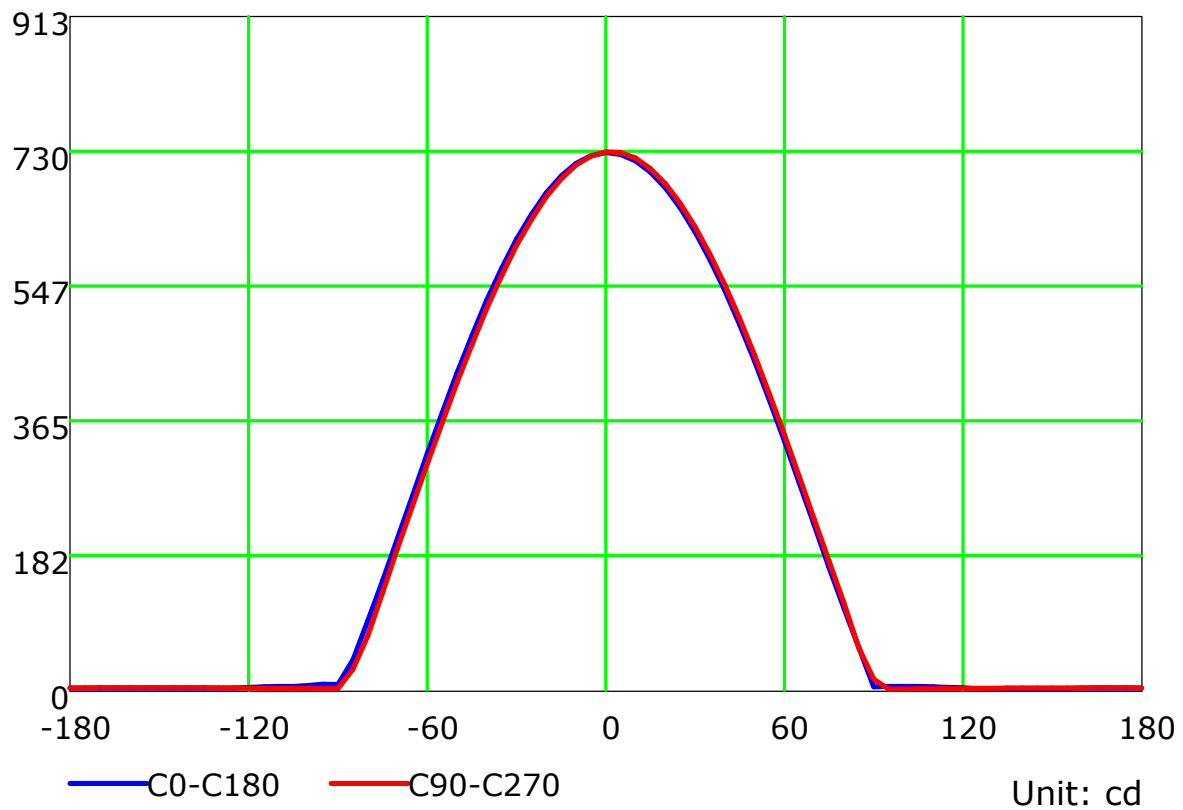
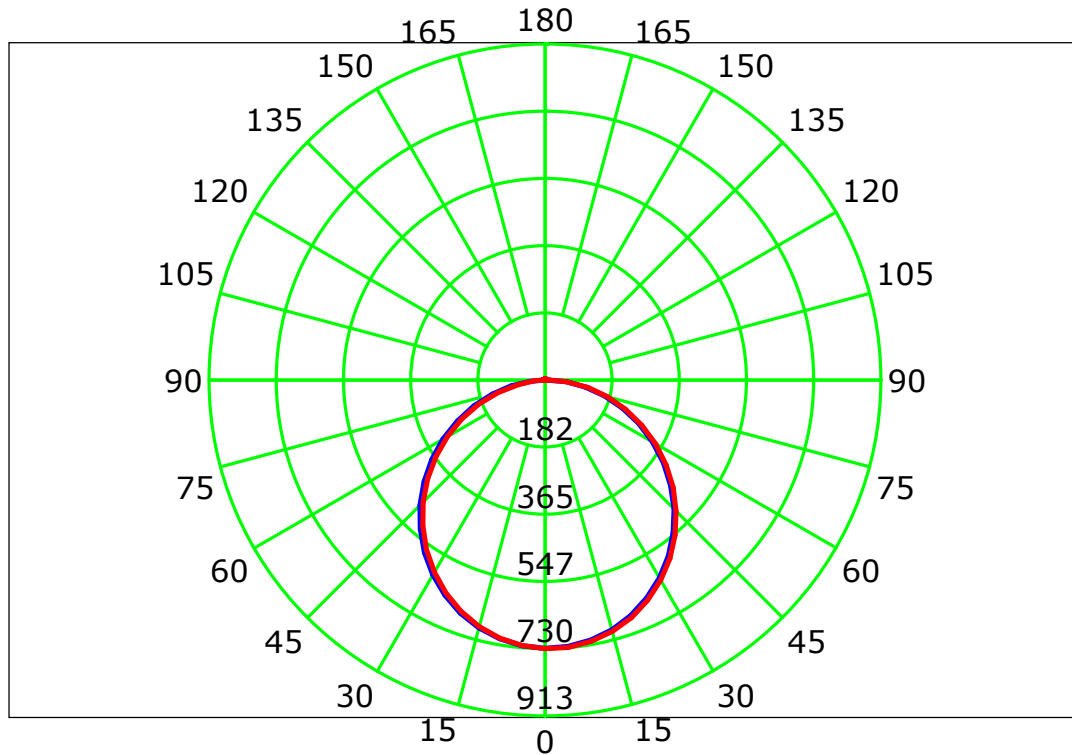
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve



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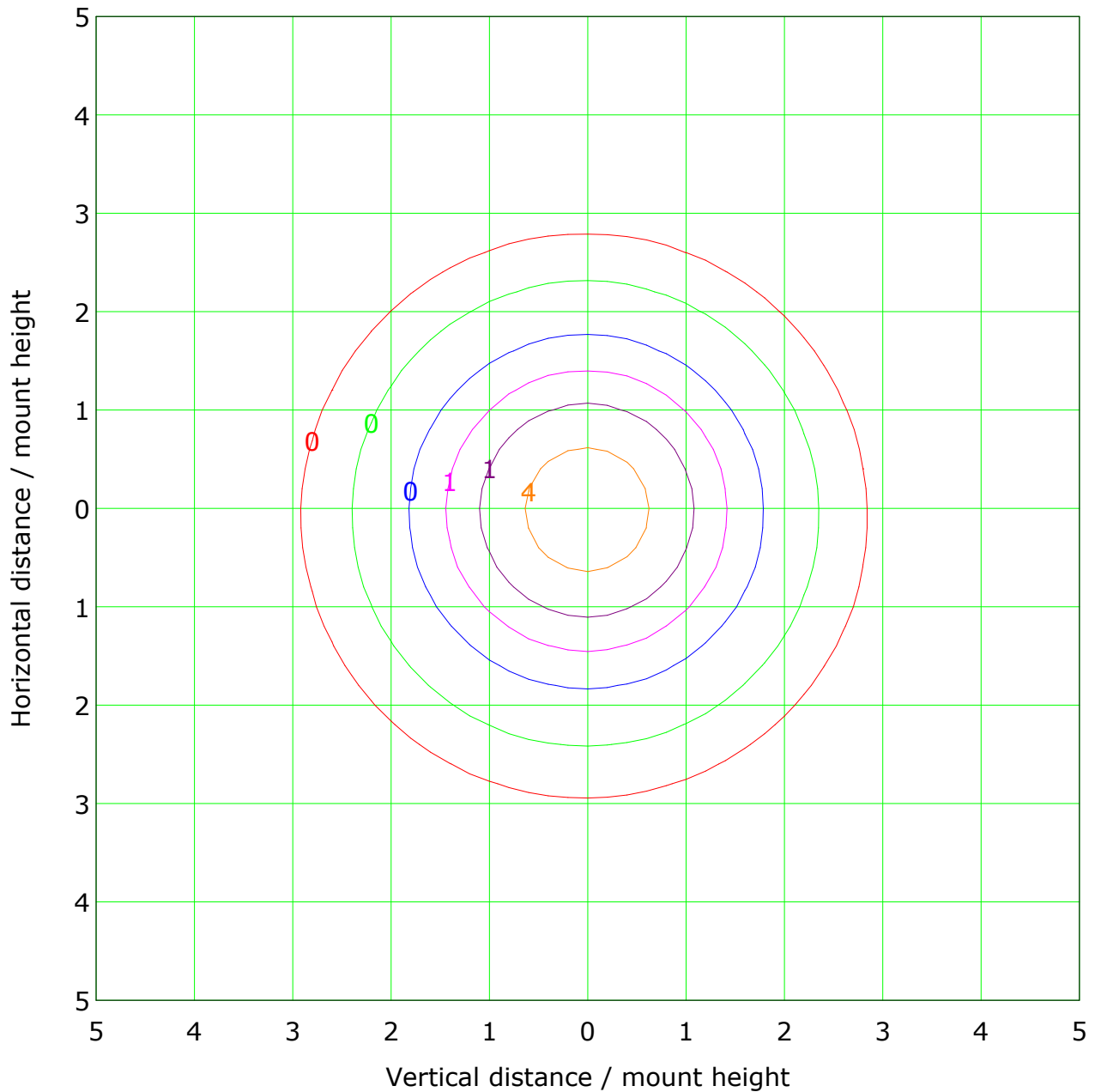
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Distance: 12.654 m

Humidity:

Inspector:

IsoLux Plot



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Distance: 12.654 m

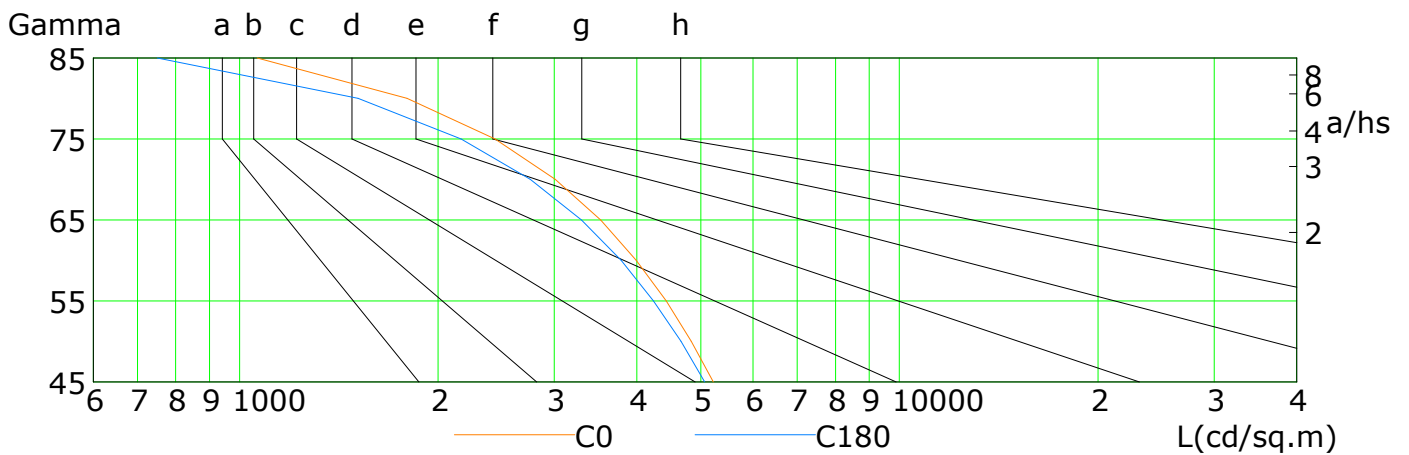
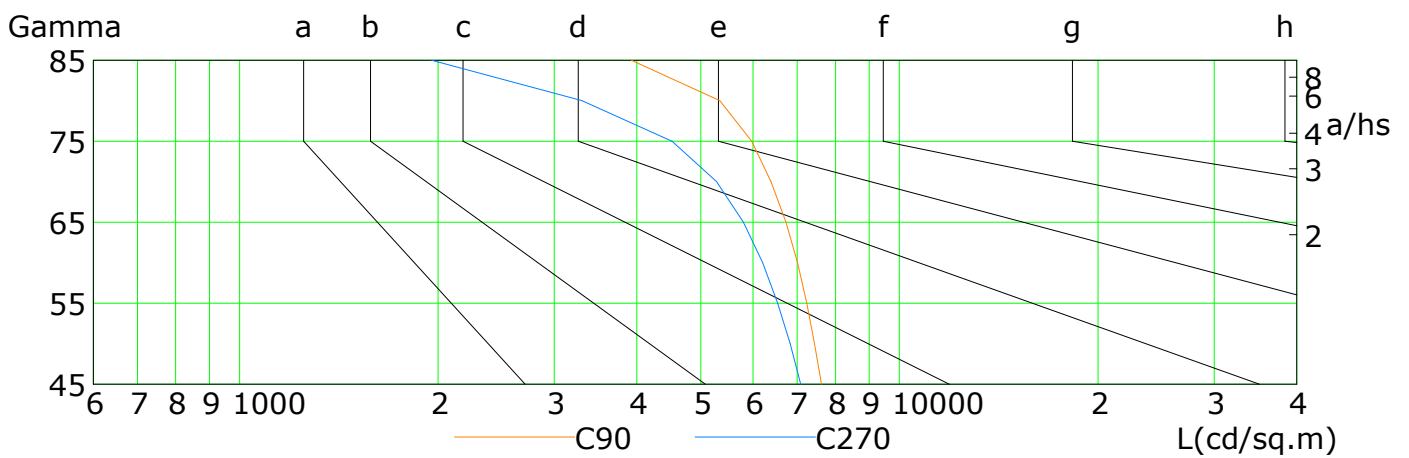
Humidity:

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	5225	4837	4433	3991	3524	3010	2438	1794	1063
C90	7618	7438	7242	7011	6733	6385	5975	5344	3923
C180	5069	4665	4240	3789	3297	2757	2167	1512	751
C270	7083	6830	6540	6205	5801	5284	4524	3300	1954

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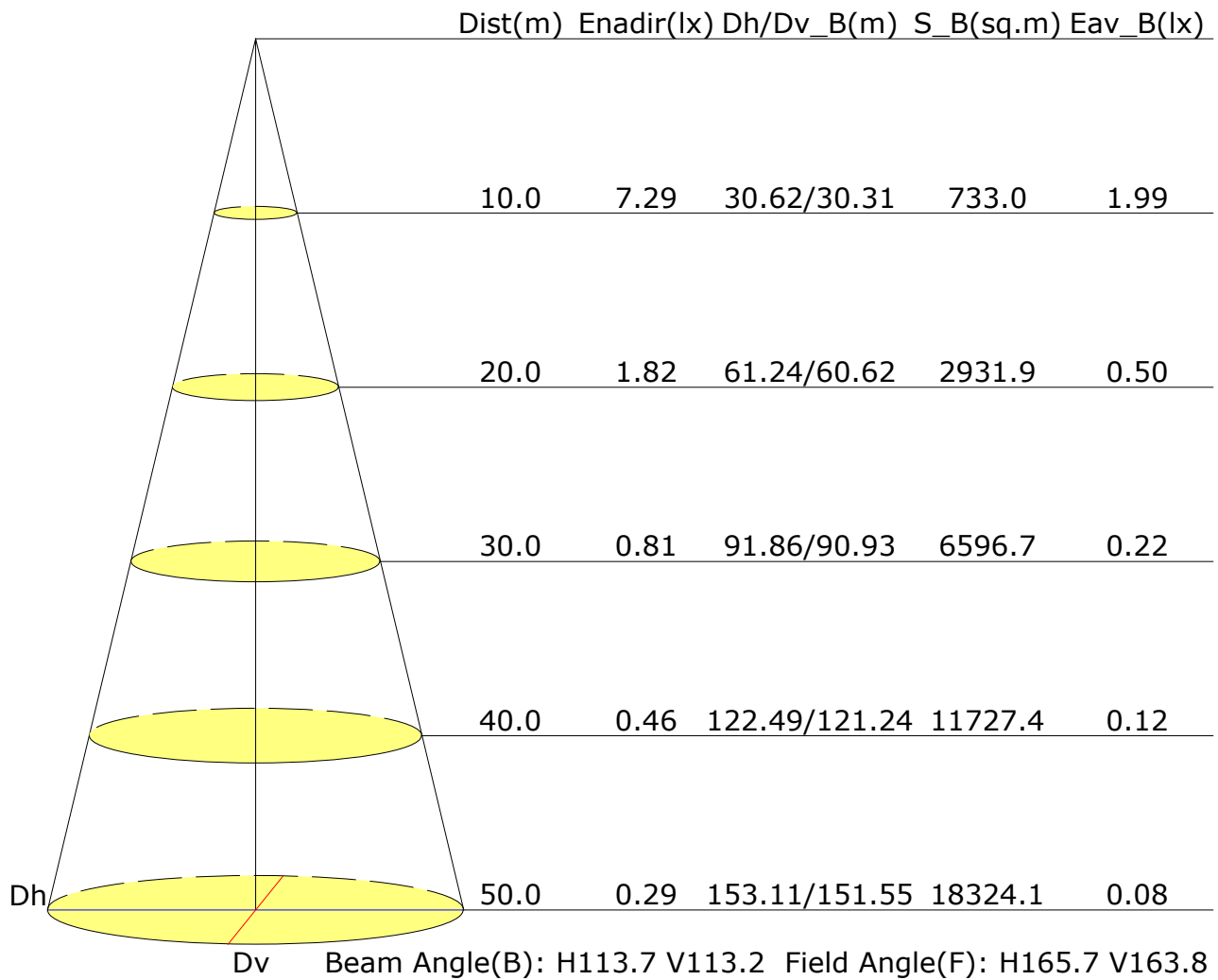
Test Device: LSG-1800B

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 (°):0.0-180.0:5.0

Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector: