

Report No.: 1

Test Time: 07.04.2019 13:49

Luminaire Property

Luminaire Manufacturer: FAROS

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

Lamp Description: LED

Luminous Width (mm): 115

Voltage: 221.9 V

Power: 19.44 W

Luminous Length (mm): 750

Luminous Height (mm): 64

Current: 0.091 A

Power Factor: 0.962

Photometric Results

CIE Class: Direct

Measurement Flux: 2488.4 lm

Downward Ratio: 99%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 160.3, 157.1, 153.1, 152.5

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 81.2, 83.8, 79.0, 79.0

Luminaire Efficacy Rating (LER): 128.05

Max. Intensity: 1203.62 cd

S/MH(C0/C180): 1.17

Total Rated Lamp Lumens: 2488.4 lm

Efficiency: 100%

Upward Ratio: 1%

Central Intensity: 1198.85 cd

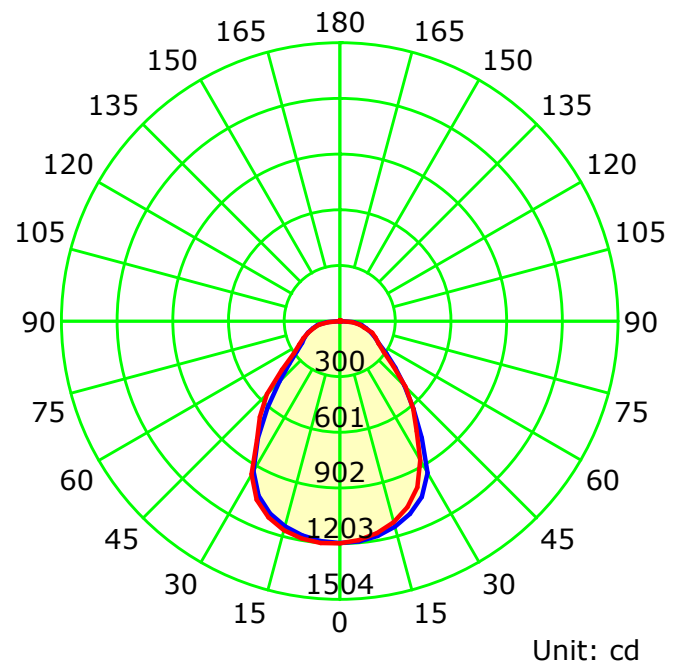
Pos of Max. Intensity: H292.5 V5

S/MH(C90/C270): 1.14

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

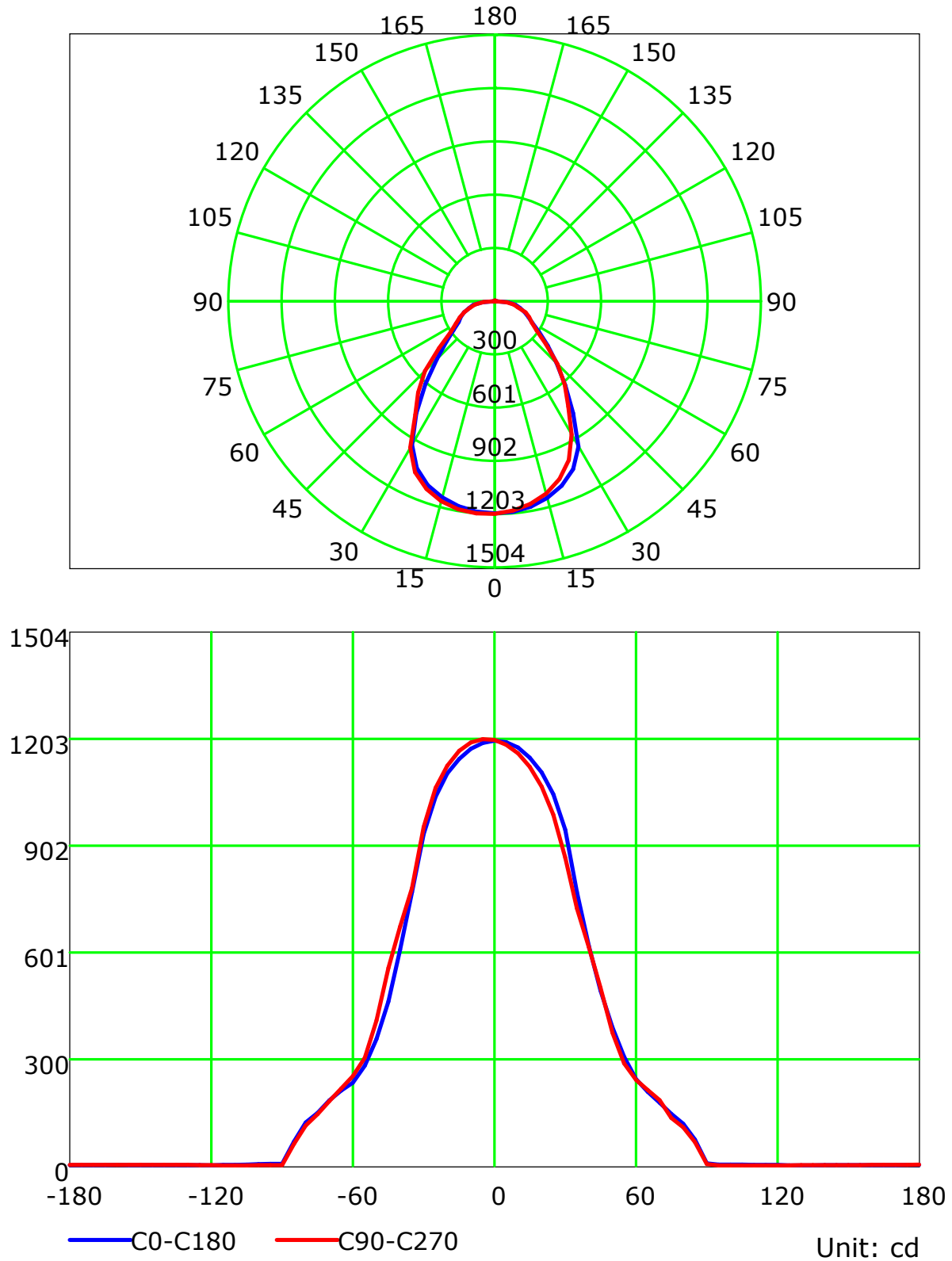
Test Device: LSG-1800B

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

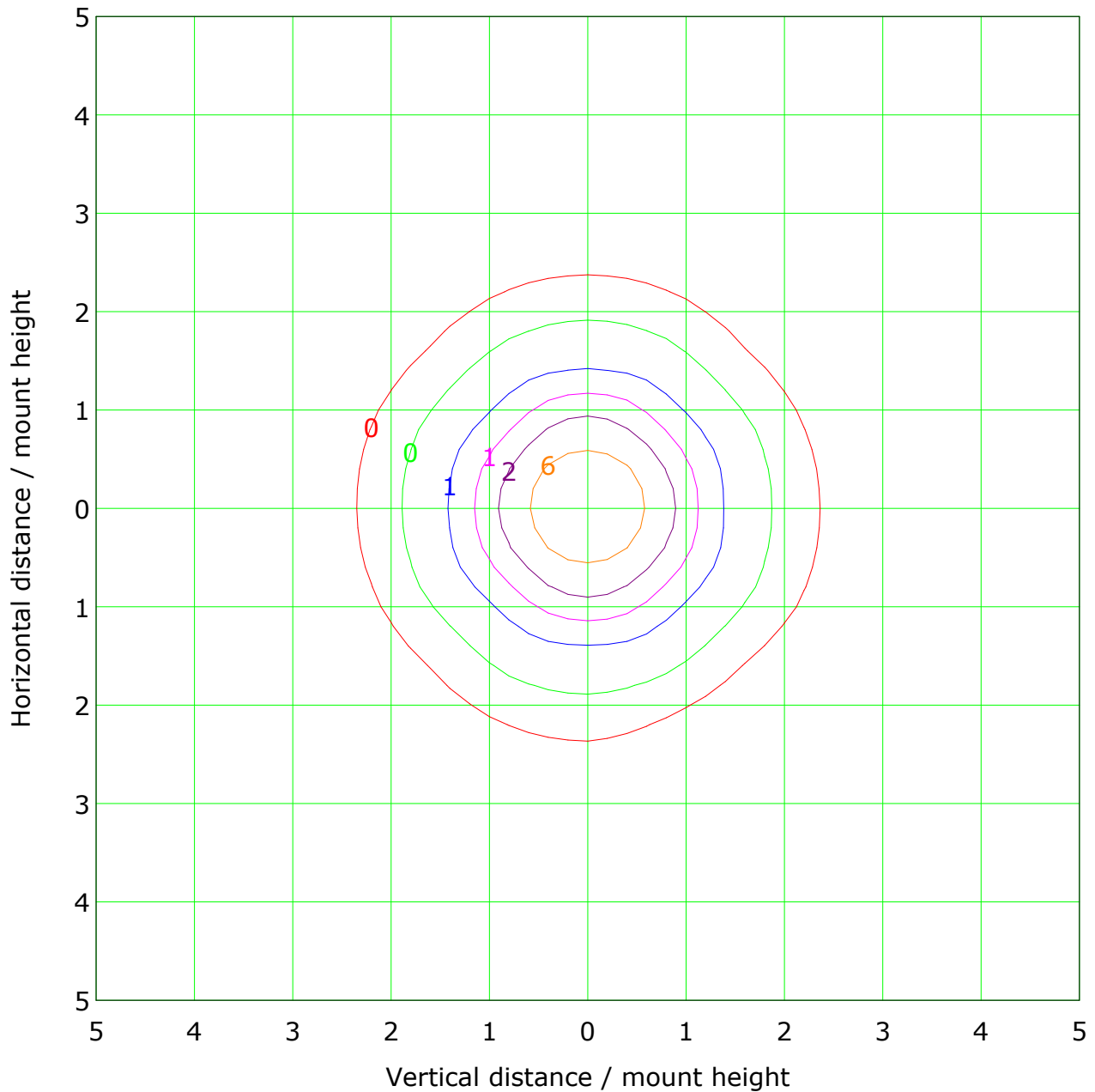
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 12.0 lx

(1%): 0.1 lx	(2%): 0.2 lx
(5%): 0.6 lx	(10%): 1.2 lx
(20%): 2.4 lx	(50%): 6.0 lx
(100%): 12.0 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

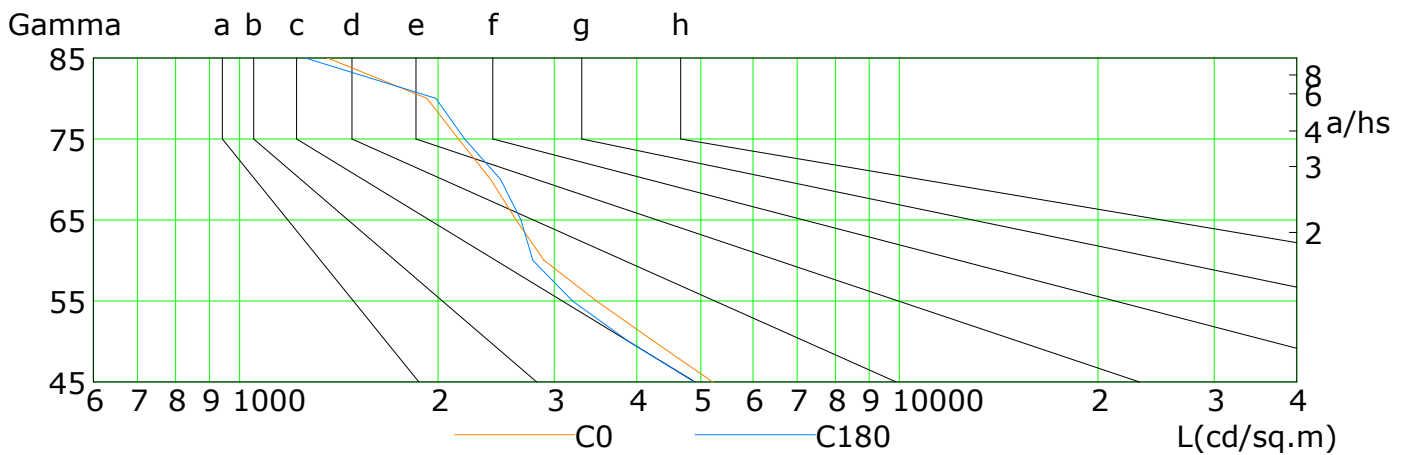
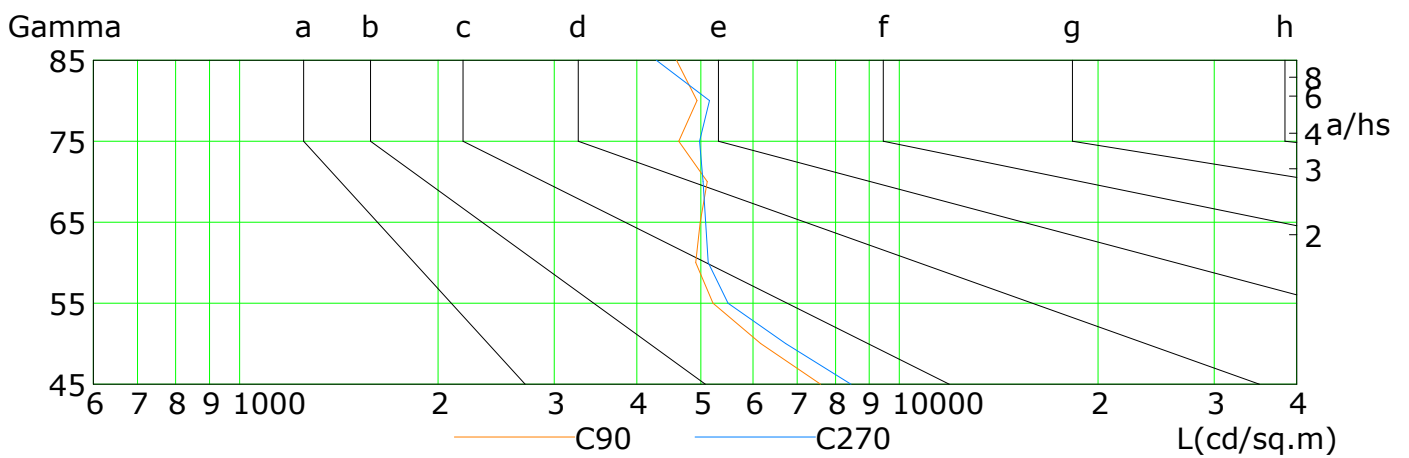
Humidity:

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	5214	4245	3475	2895	2627	2400	2148	1922	1359
C90	7591	6164	5218	4912	4989	5116	4631	4937	4592
C180	4887	3886	3194	2783	2669	2486	2193	1984	1257
C270	8442	6725	5501	5129	5088	5041	4982	5157	4281

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:5.0

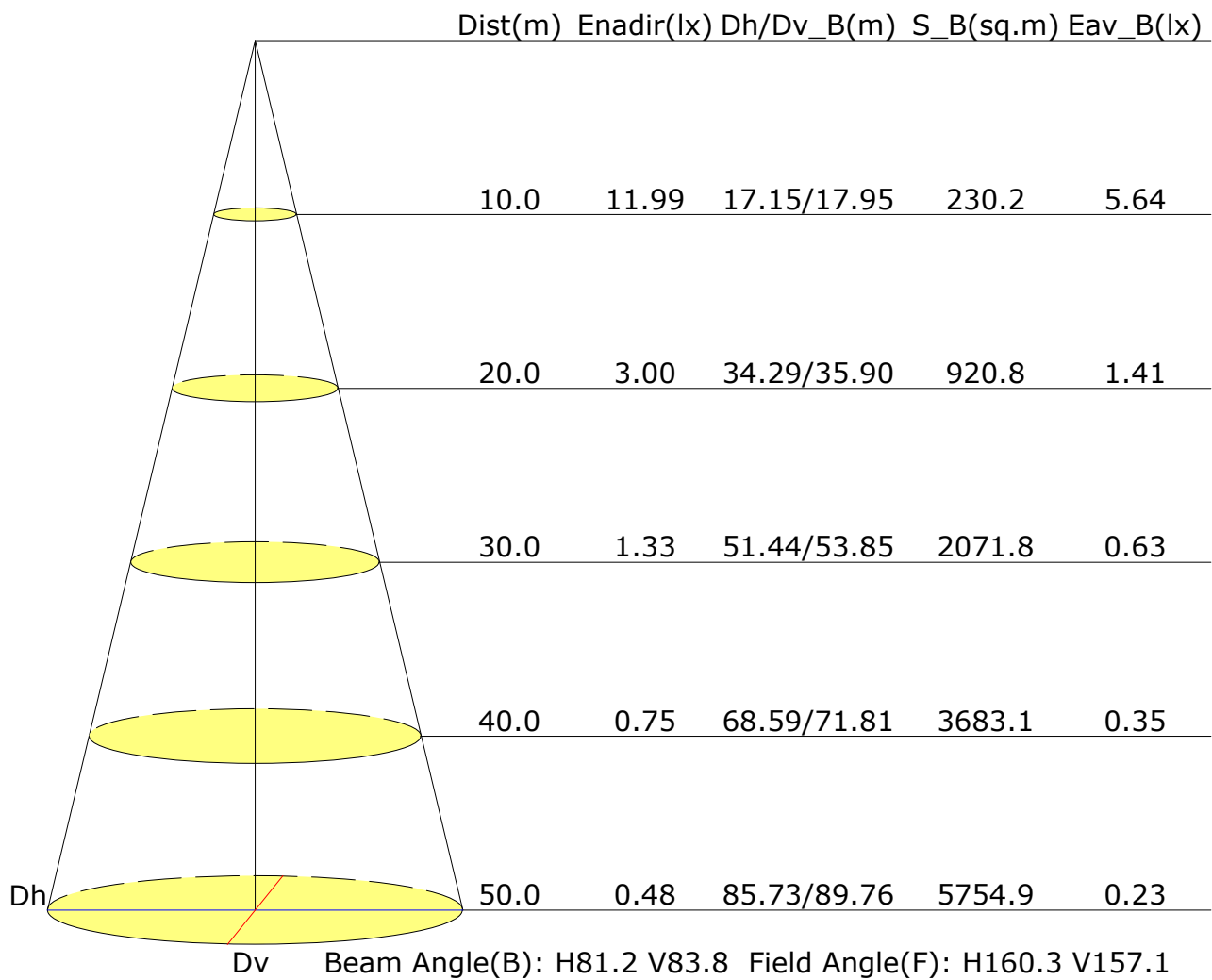
Test Device: LSG-1800B

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: