

Report No.: 1

Test Time: 01.04.2019 10:43

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FT 91 10W 5000K 16°

Lamp Description: LED

Luminous Width (mm): -91

Voltage: 220.5 V

Power: 10.67 W

Luminous Length (mm): -91

Luminous Height (mm): 210

Current: 0.050 A

Power Factor: 0.958

Photometric Results

CIE Class: Direct

Measurement Flux: 796.2 lm

Downward Ratio: 98%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 30.7, 30.8, 31.0, 30.5

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 18.1, 18.0, 18.2, 17.9

Luminaire Efficacy Rating (LER): 74.67

Max. Intensity: 5749.46 cd

S/MH(C0/C180): 0.31

Total Rated Lamp Lumens: 796.2 lm

Efficiency: 100%

Upward Ratio: 2%

Central Intensity: 5724.48 cd

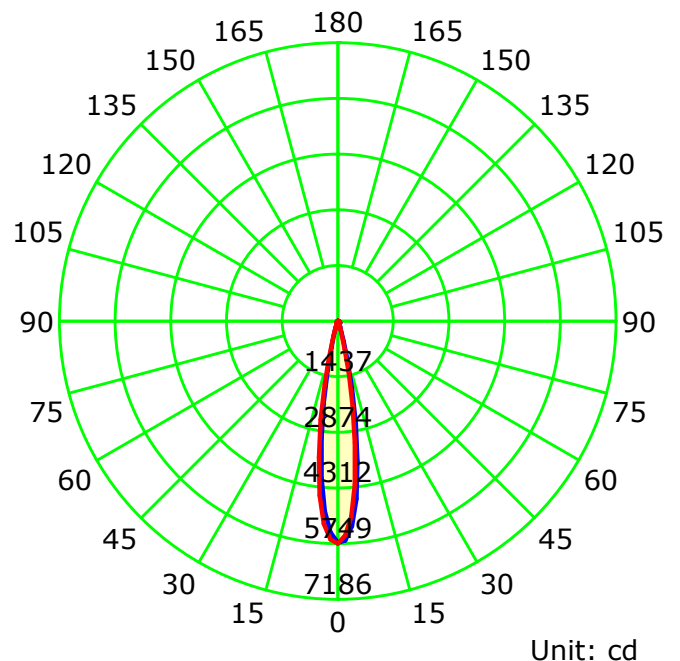
Pos of Max. Intensity: H157.5 V0

S/MH(C90/C270): 0.31

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

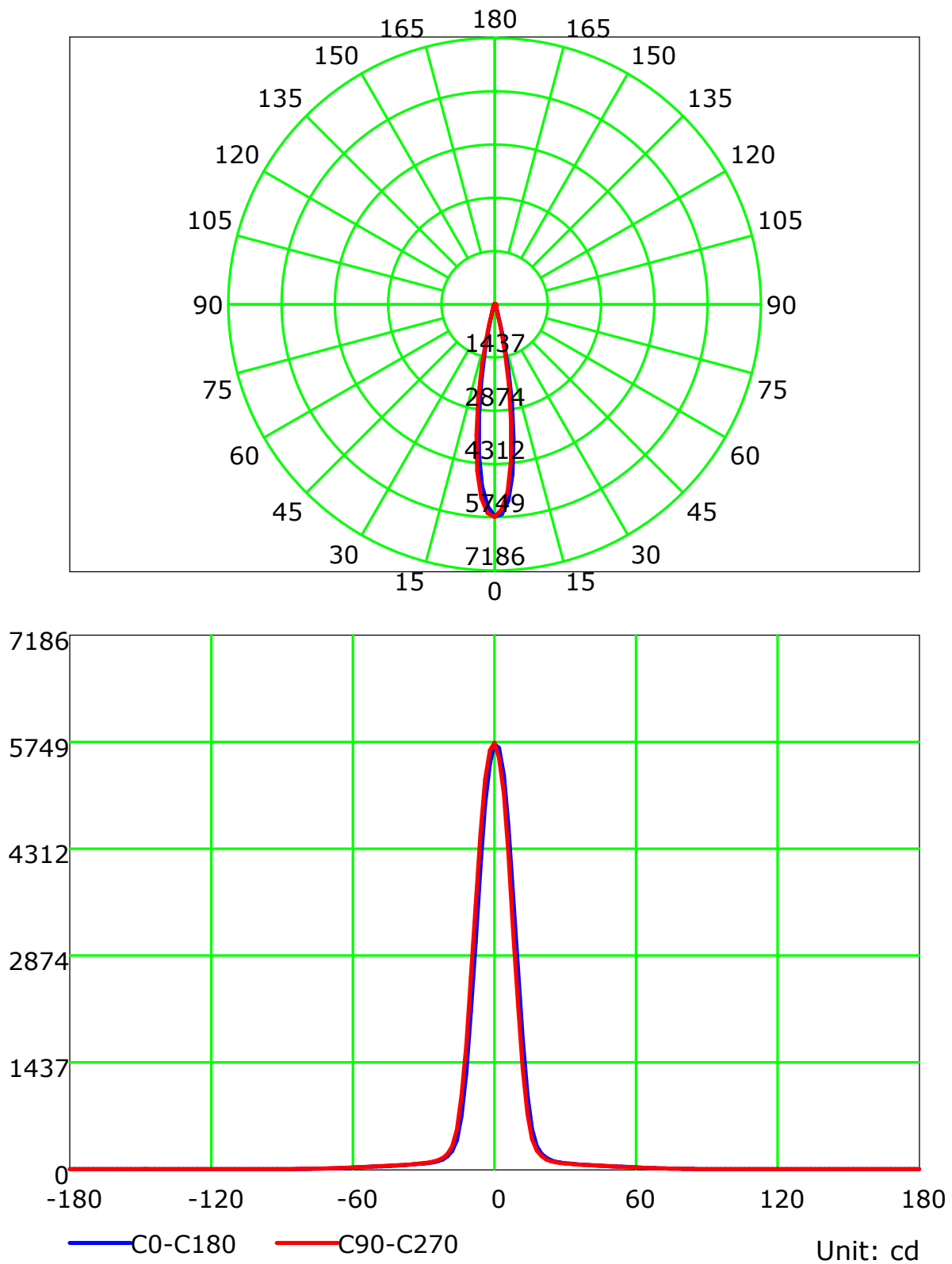
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve



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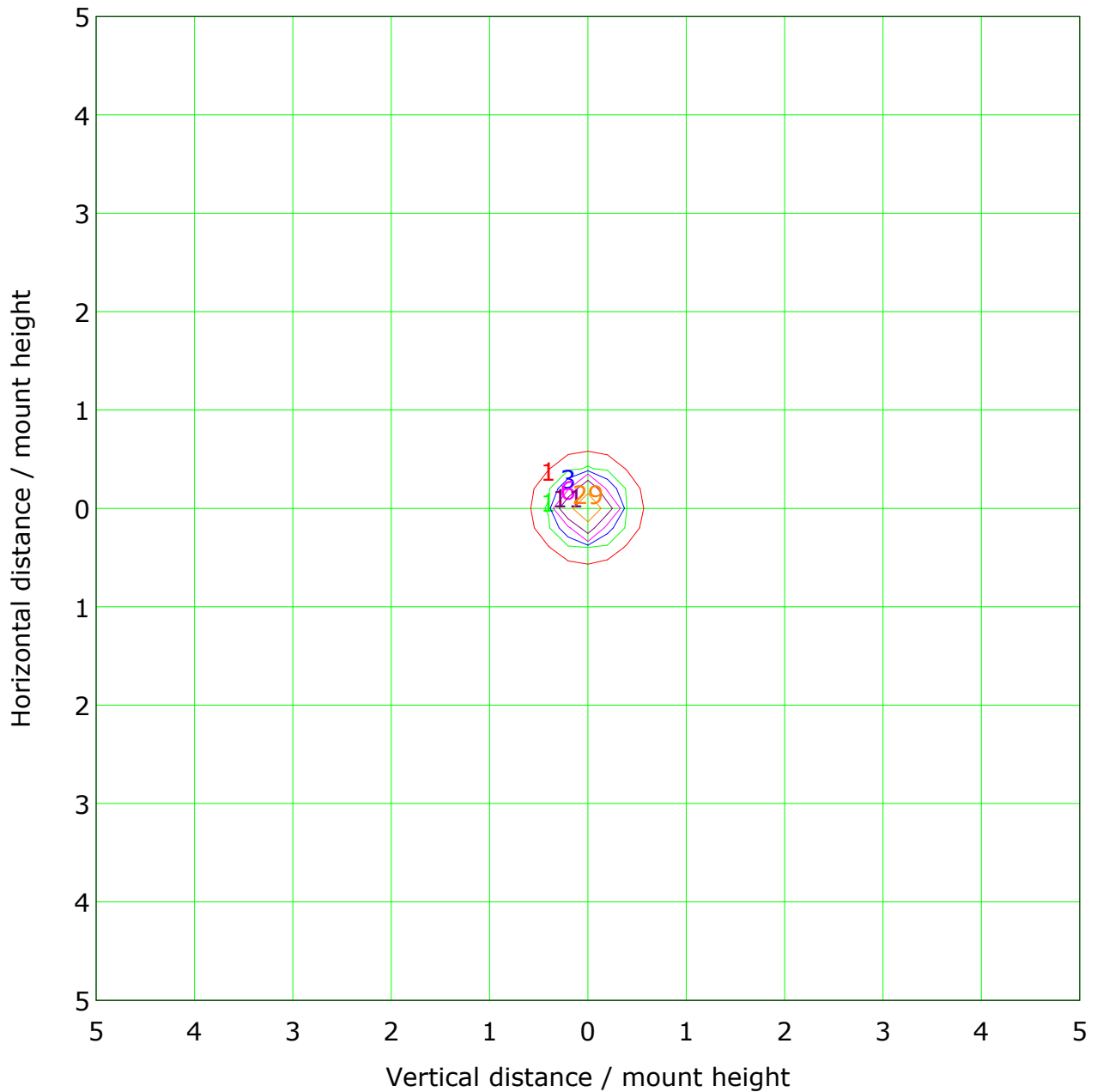
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 57.5 lx

(1%): 0.6 lx	(2%): 1.1 lx
(5%): 2.9 lx	(10%): 5.7 lx
(20%): 11.5 lx	(50%): 28.7 lx
(100%): 57.5 lx	

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Distance: 12.654 m

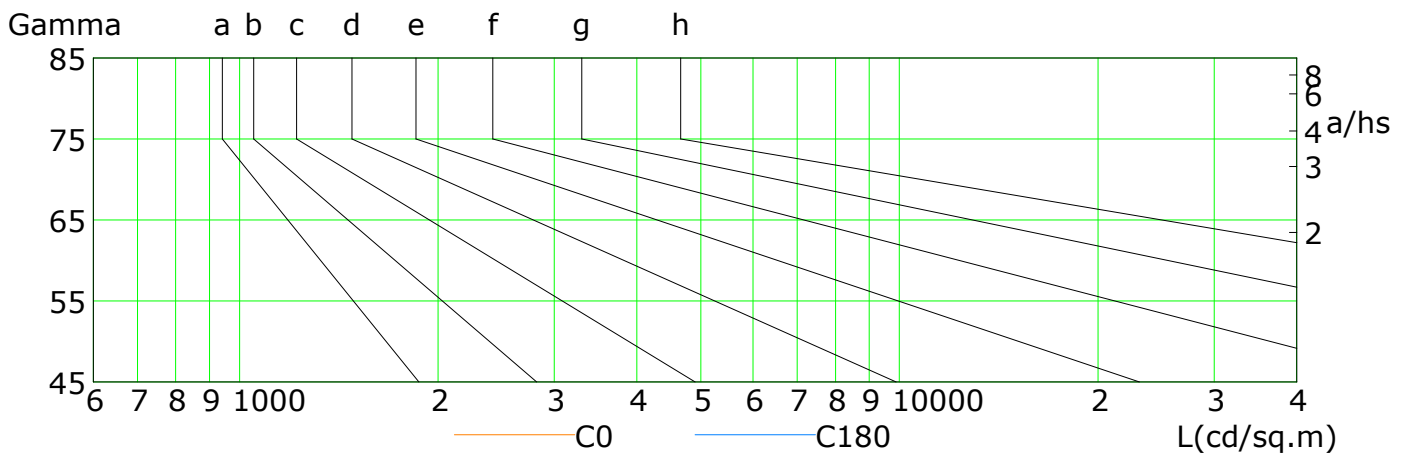
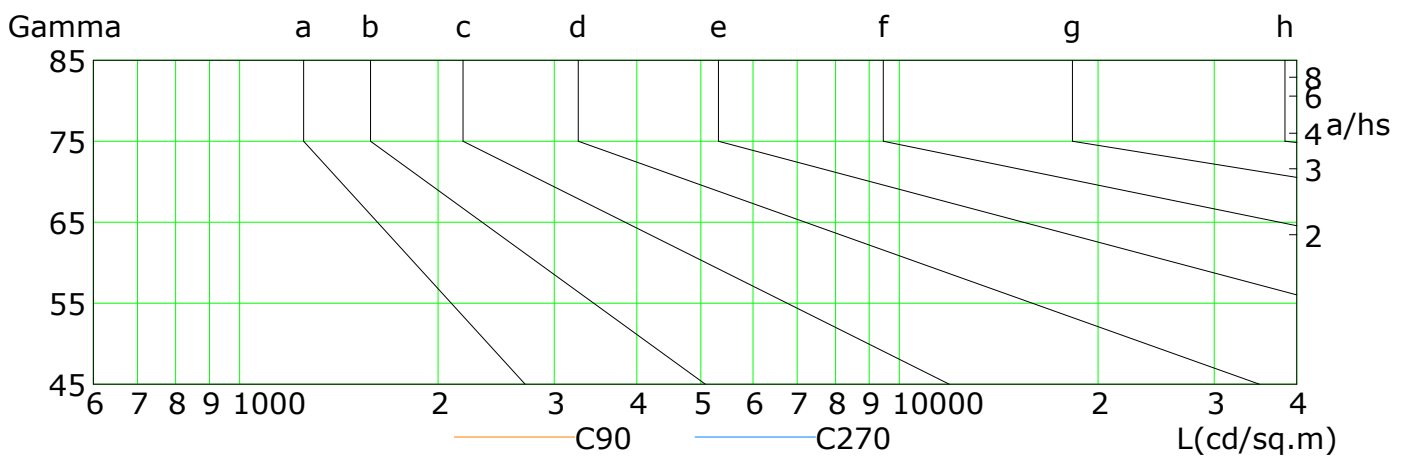
Humidity:

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	48	40	33	26	18	13	9	6	4
C90	47	39	32	24	17	13	9	6	4
C180	46	38	30	22	15	11	8	5	3
C270	48	40	32	24	16	12	9	6	3

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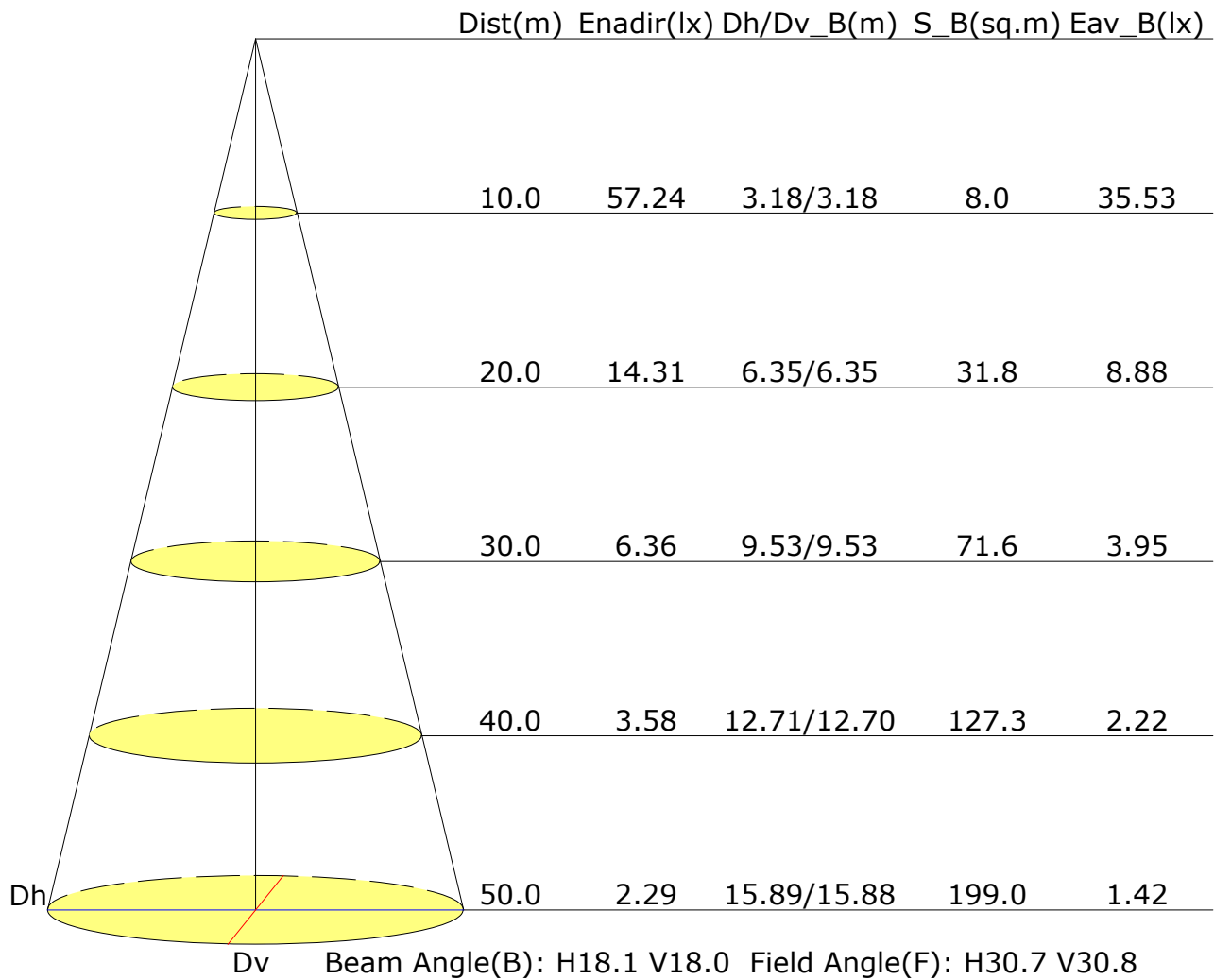
Test Device: LSG-1800B

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: