

Report No.: 1

Test Time: 04.04.2019 15:48

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FL 60 0,39A 34W 5000K microprism

Lamp Description: LED

Number of Lamps: 1

Luminous Length (mm): 1500 mm

Luminous Width (mm): 60 mm

Luminous Height (mm): 70 mm

Voltage: 221.2 V

Current: 0.158 A

Power: 34.46 W

Power Factor: 0.984

Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 4209.3 lm

Measurement Flux: 4209.3 lm

Efficiency: 100%

Downward Ratio: 97%

Upward Ratio: 3%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 160.8, 162.1, 149.0, 148.9

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 76.8, 75.5, 75.0, 75.1

Luminaire Efficacy Rating (LER): 122.20

Central Intensity: 2169.72 cd

Max. Intensity: 2169.72 cd

Pos of Max. Intensity: H0 V0

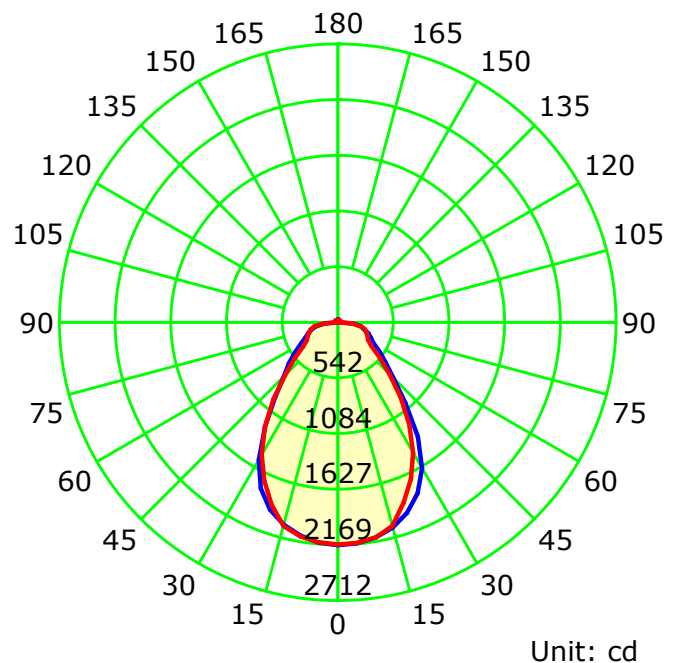
S/MH(C0/C180): 1.12

S/MH(C90/C270): 1.06

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 22.5

Gamma Plane (°):0.0-180.0:5.0

Test Lab:

Test Device: LSG-1800B

Test Type: TYPE C

Distance: 12.654 m

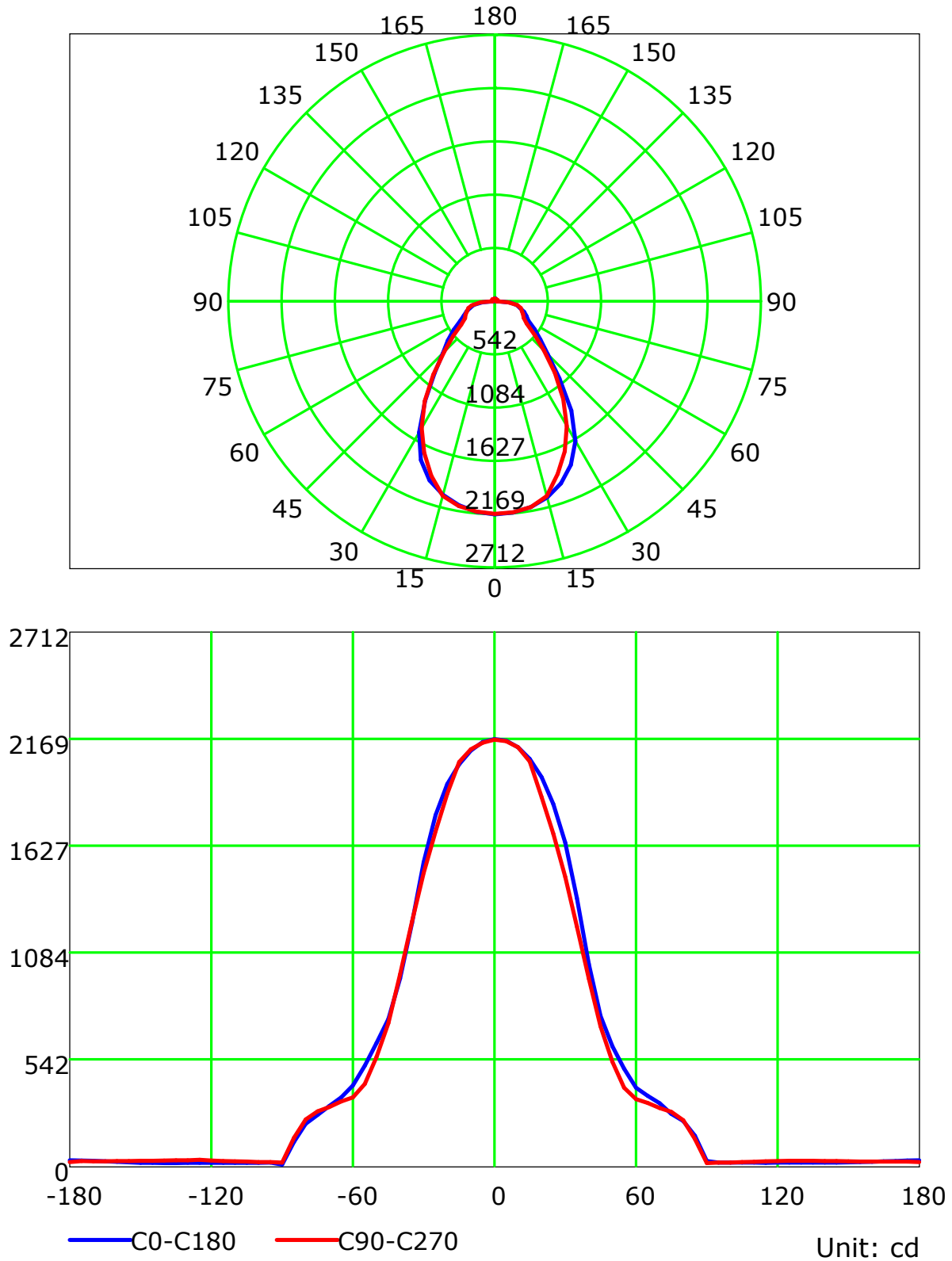
Temperature:

Humidity:

Operator:

Inspector:

Luminous Intensity Distribution Curve



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Test Lab:

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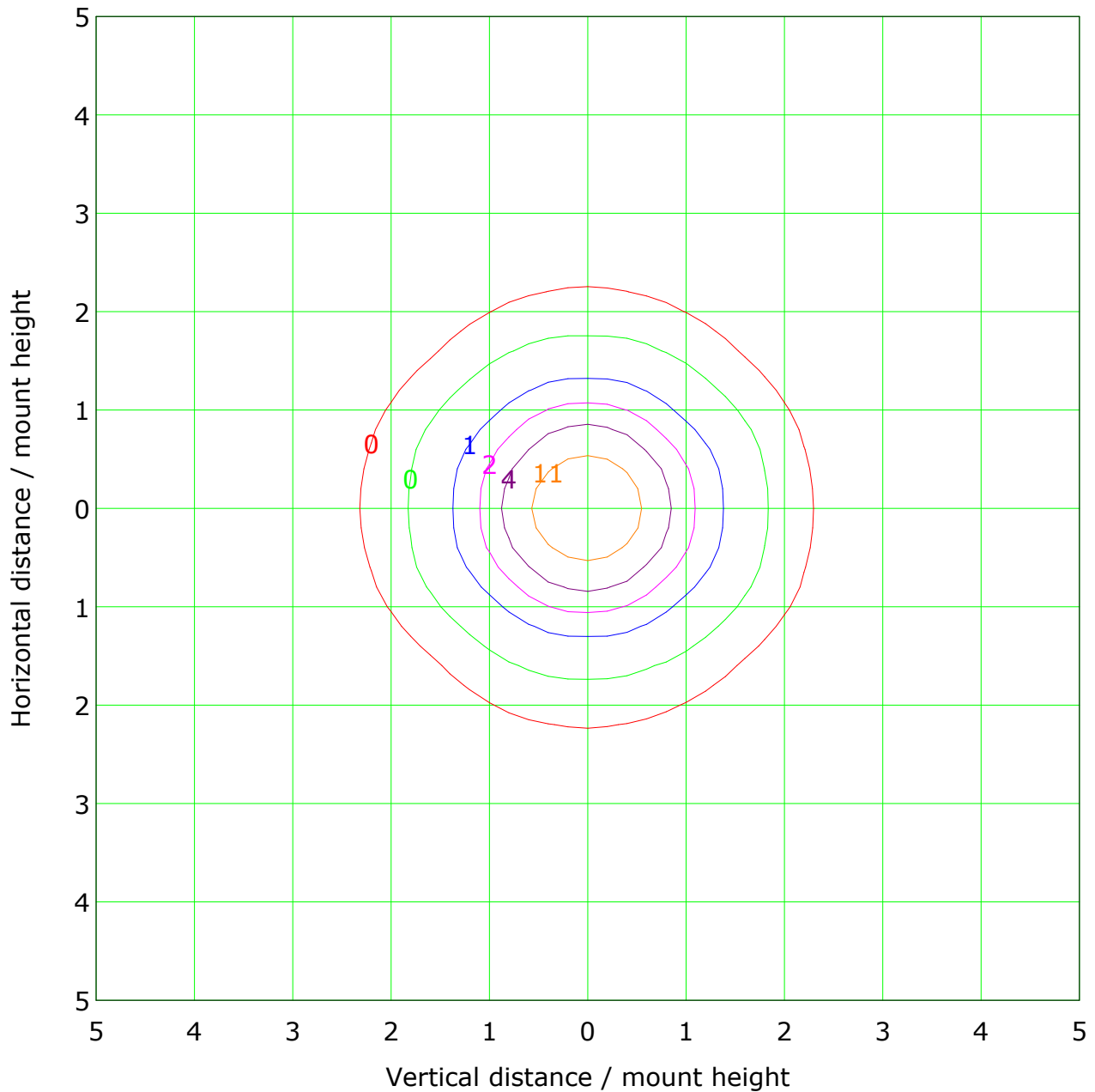
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

IsoLux Plot



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Distance: 12.654 m

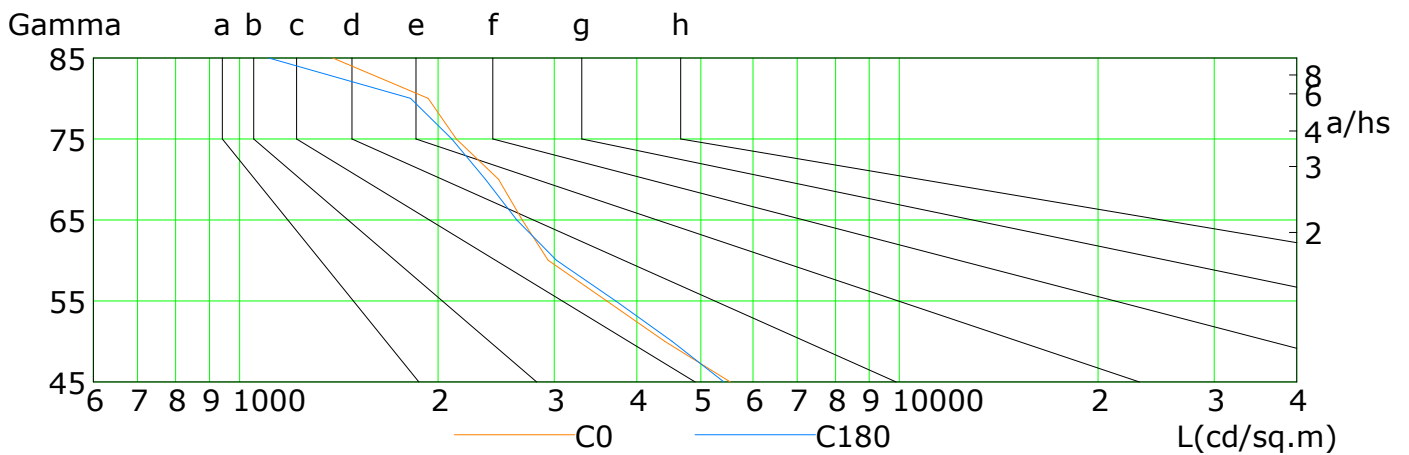
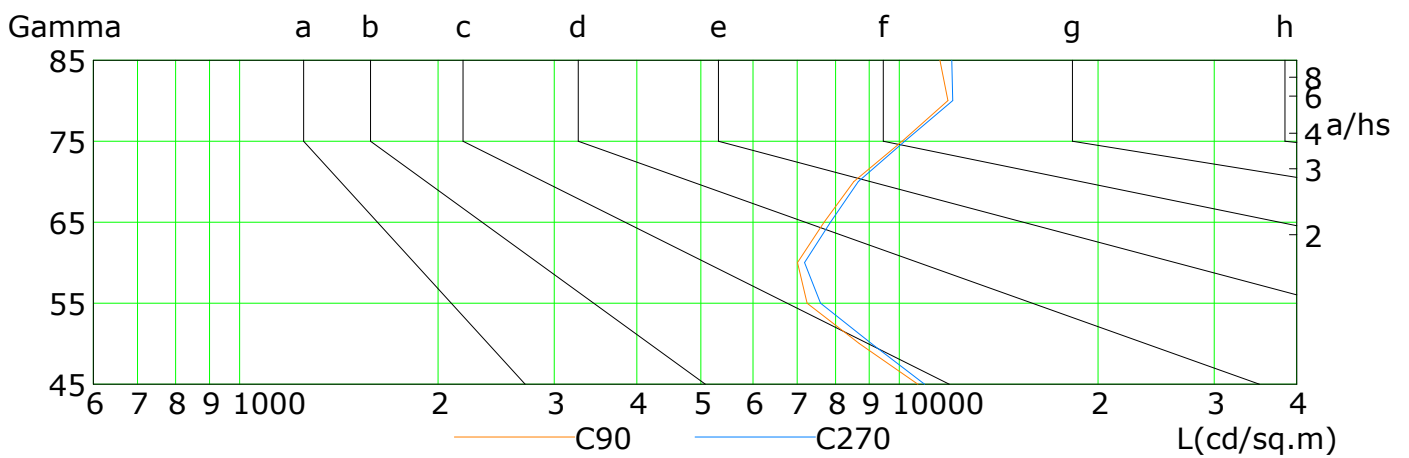
Humidity:

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	5540	4407	3601	2935	2682	2470	2130	1930	1385
C90	10666	8691	7250	7006	7686	8526	10097	11840	11525
C180	5423	4521	3714	3023	2630	2359	2097	1816	1107
C270	10924	9075	7599	7182	7860	8666	10191	12046	12003

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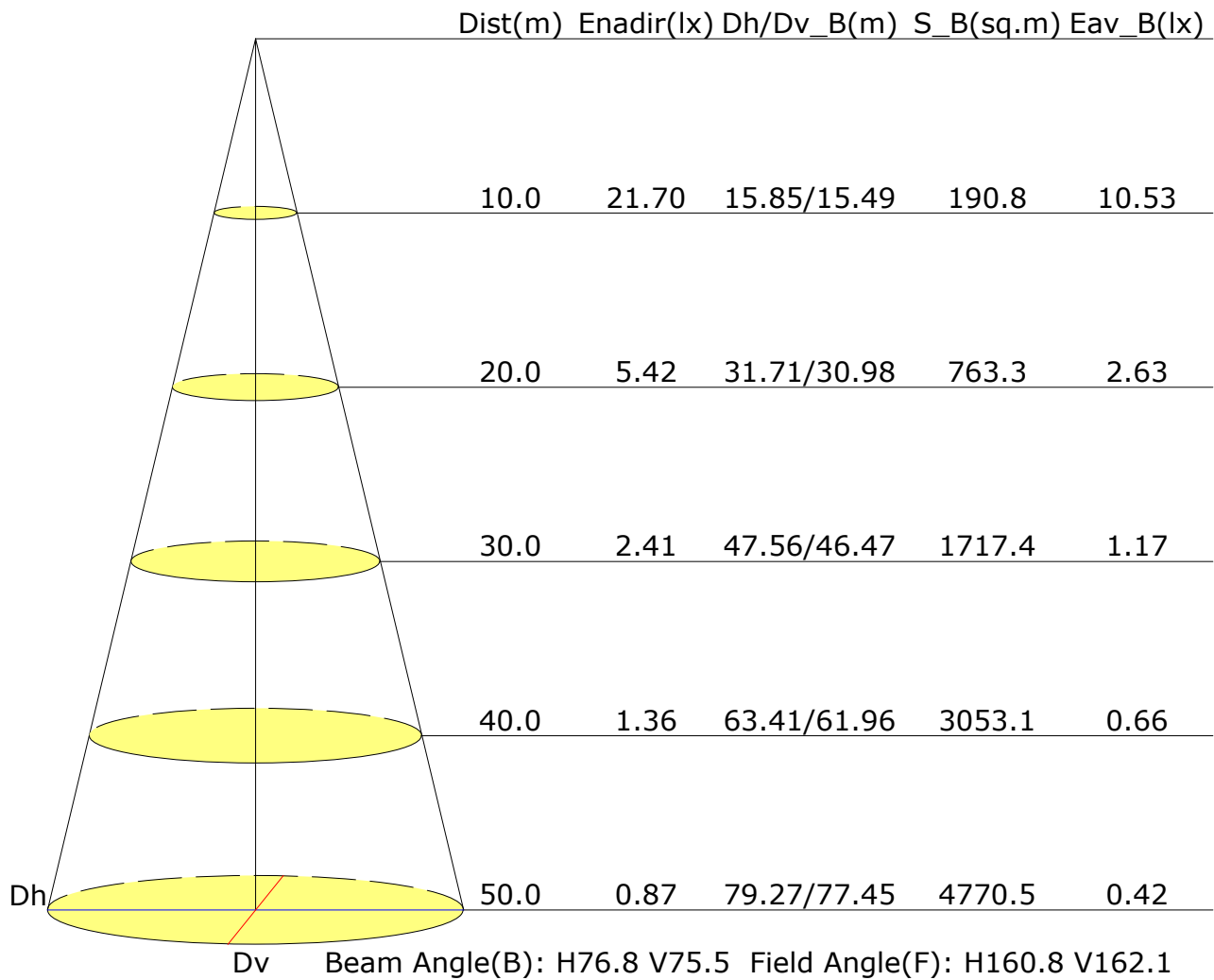
Test Device: LSG-1800B

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: