

Report No.: 1

Test Time: 30.03.2019 12:39

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FL 60 2x96LED 0,45A 45W 5000K

Lamp Description: LED

Luminous Width (mm): 60

Voltage: 221.6 V

Power: 44.22 W

Luminous Length (mm): 1500

Luminous Height (mm): 70

Current: 0.201 A

Power Factor: 0.990

Photometric Results

CIE Class: Direct

Measurement Flux: 6447.2 lm

Downward Ratio: 99%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 156.9, 116.6, 134.5, 135.6

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 114.7, 109.1, 113.3, 113.4

Luminaire Efficacy Rating (LER): 145.85

Max. Intensity: 2440.49 cd

S/MH(C0/C180): 1.29

Total Rated Lamp Lumens: 6447.2 lm

Efficiency: 100%

Upward Ratio: 1%

Central Intensity: 2433.03 cd

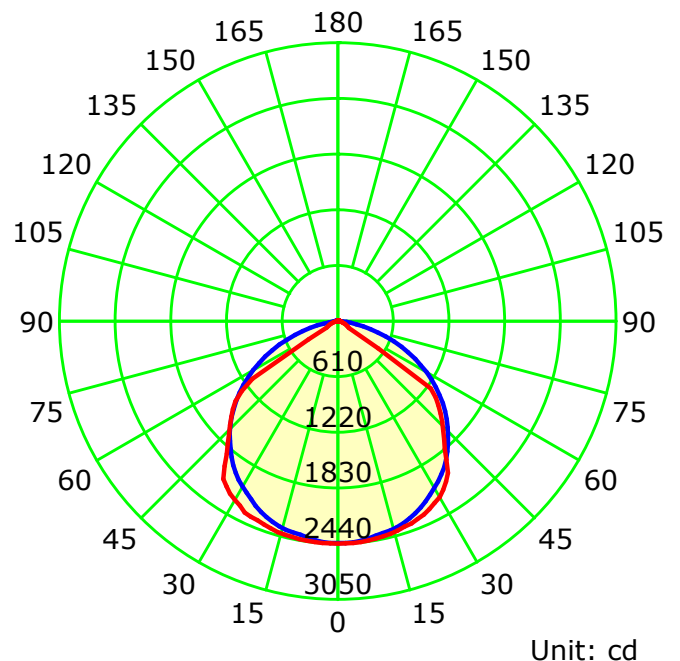
Pos of Max. Intensity: H300 V2

S/MH(C90/C270): 1.36

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 10.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

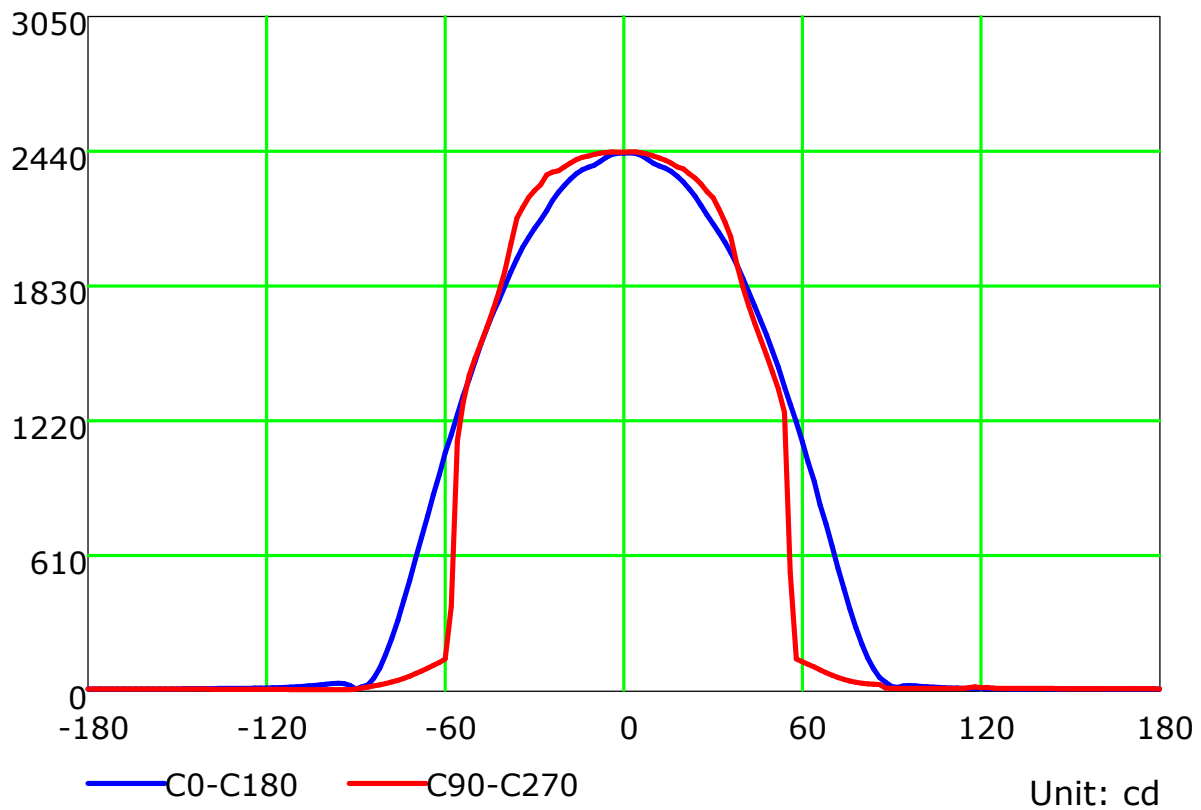
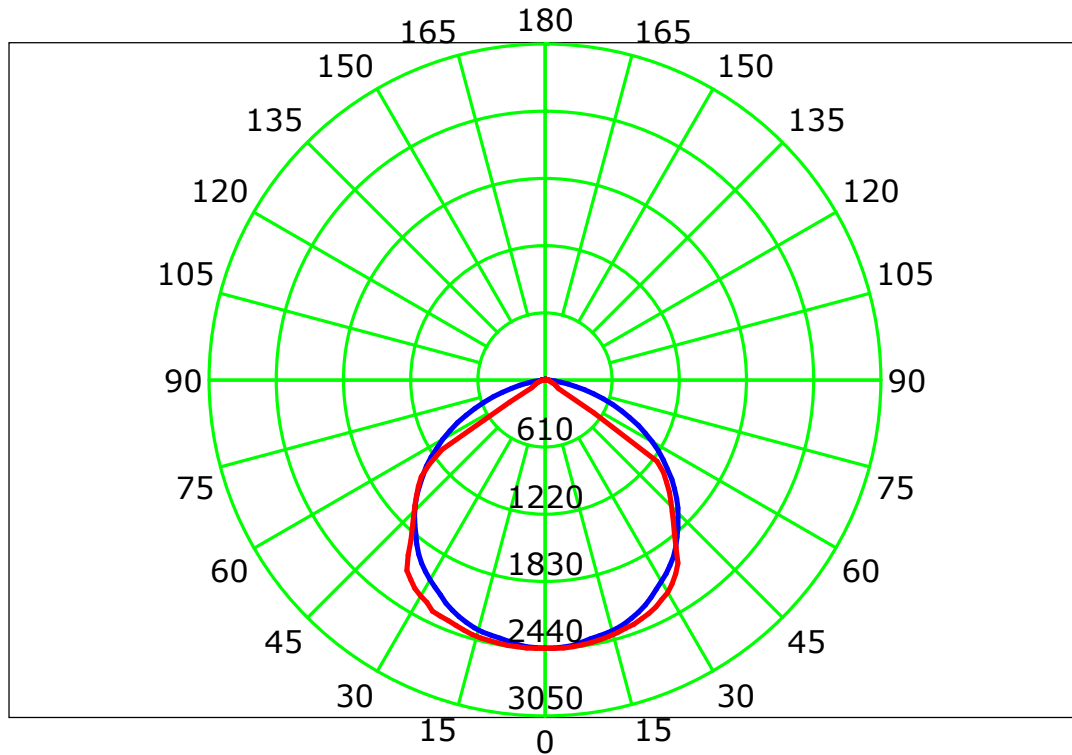
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve



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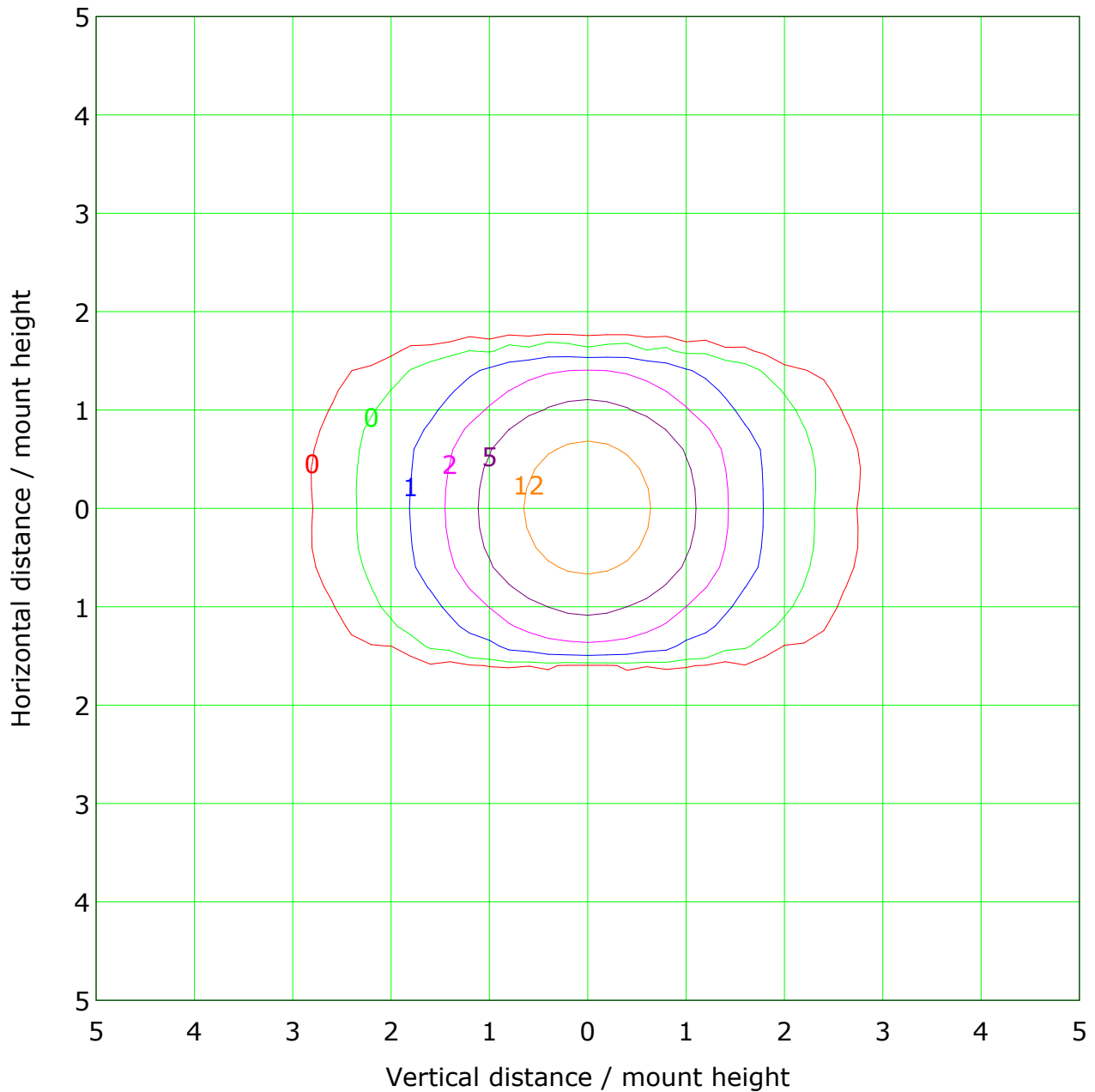
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 24.4 lx

(1%): 0.2 lx	(2%): 0.5 lx
(5%): 1.2 lx	(10%): 2.4 lx
(20%): 4.9 lx	(50%): 12.2 lx
(100%): 24.4 lx	

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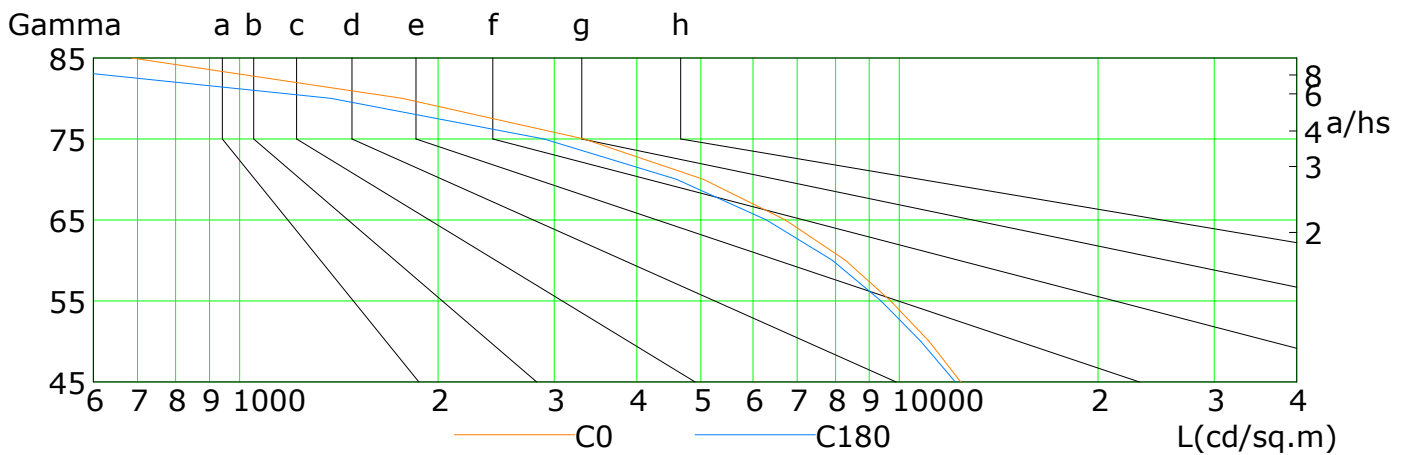
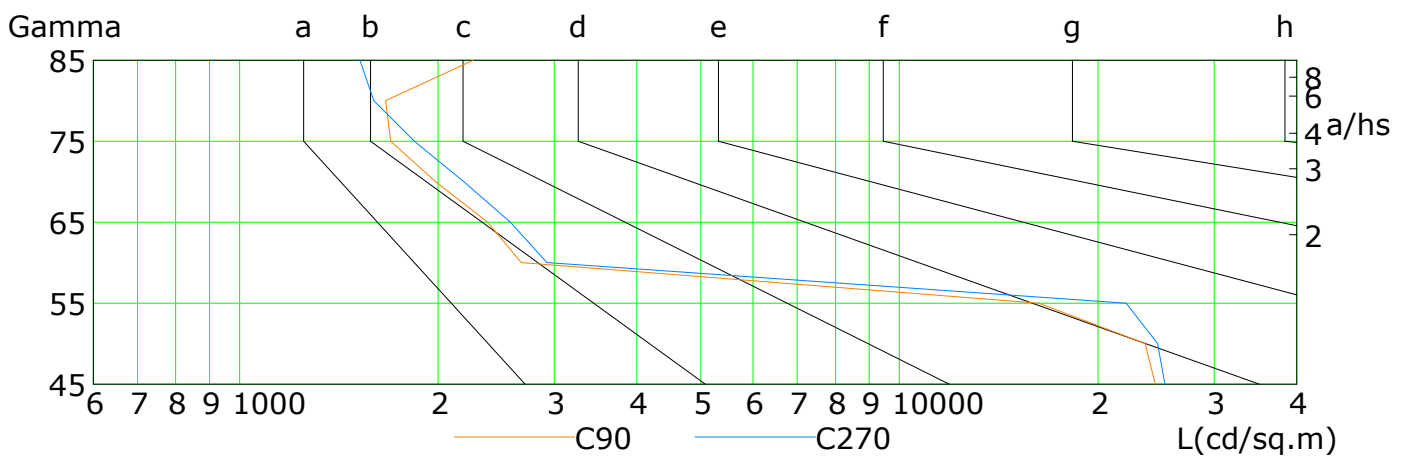
Humidity:

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	12387	11090	9703	8282	6713	5047	3328	1764	687
C90	24429	23577	16275	2672	2378	1981	1694	1665	2259
C180	12148	10771	9379	7916	6289	4597	2894	1374	359
C270	25269	24608	22079	2924	2573	2186	1840	1597	1521

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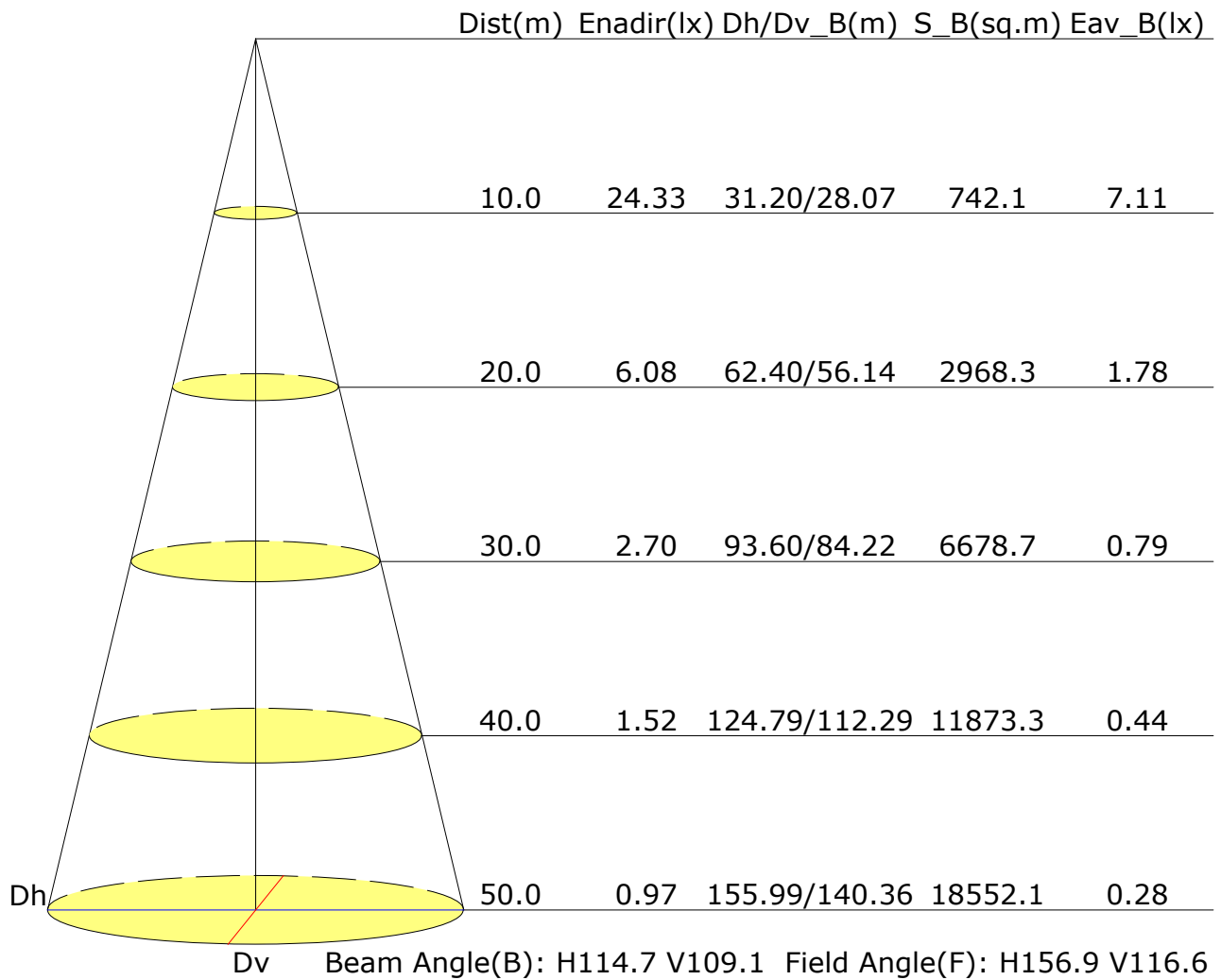
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Illuminance at a Distance



C Plane (°):0.0-360.0: 10.0

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: