

Report No.: 1

Test Time: 19.03.2019 15:07

Luminaire Property

Luminaire Manufacturer: FAROS

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

Lamp Description: LED

Luminous Width (mm): 60

Voltage: 221.2 V

Power: 45.91 W

Luminous Length (mm): 1500

Luminous Height (mm): 70

Current: 0.209 A

Power Factor: 0.991

Photometric Results

CIE Class: Direct

Measurement Flux: 5946.8 lm

Downward Ratio: 99%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 152.5, 139.6, 145.6, 145.8

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 97.4, 88.0, 93.4, 94.1

Luminaire Efficacy Rating (LER): 129.58

Max. Intensity: 2661.06 cd

S/MH(C0/C180): 1.24

Total Rated Lamp Lumens: 5946.8 lm

Efficiency: 100%

Upward Ratio: 1%

Central Intensity: 2660.93 cd

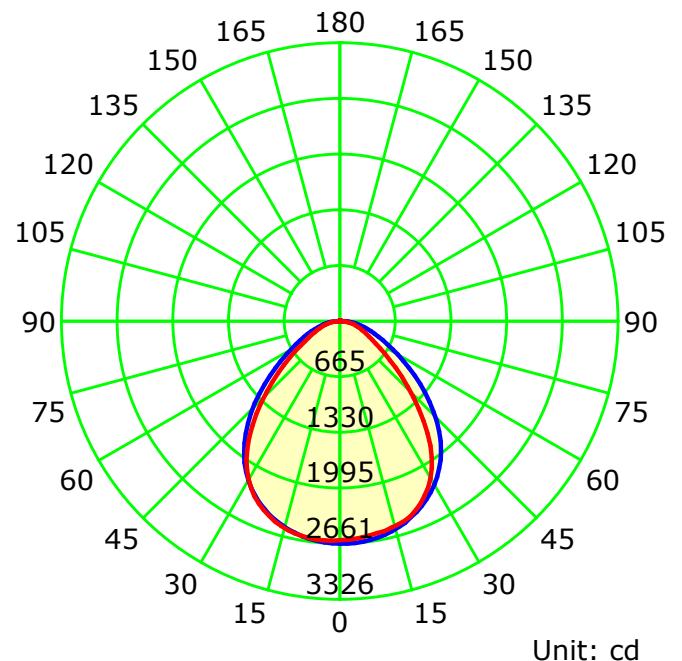
Pos of Max. Intensity: H0 V2

S/MH(C90/C270): 1.22

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

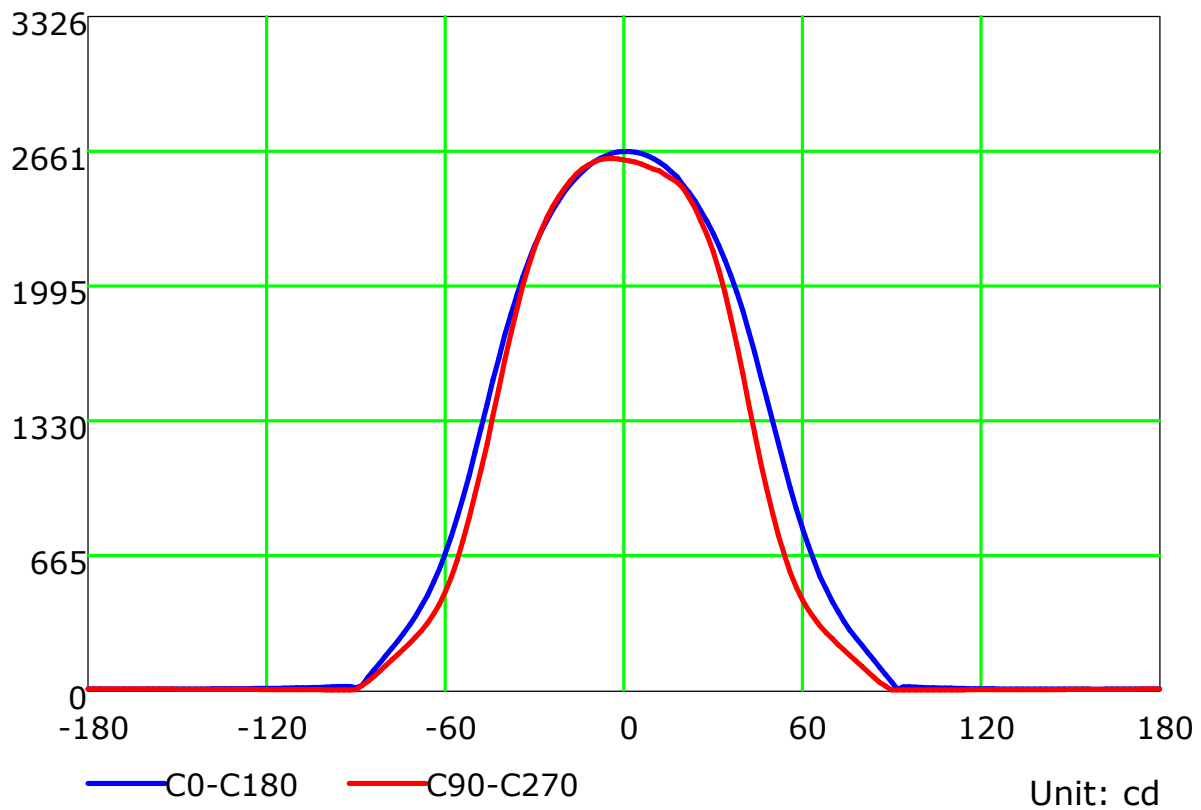
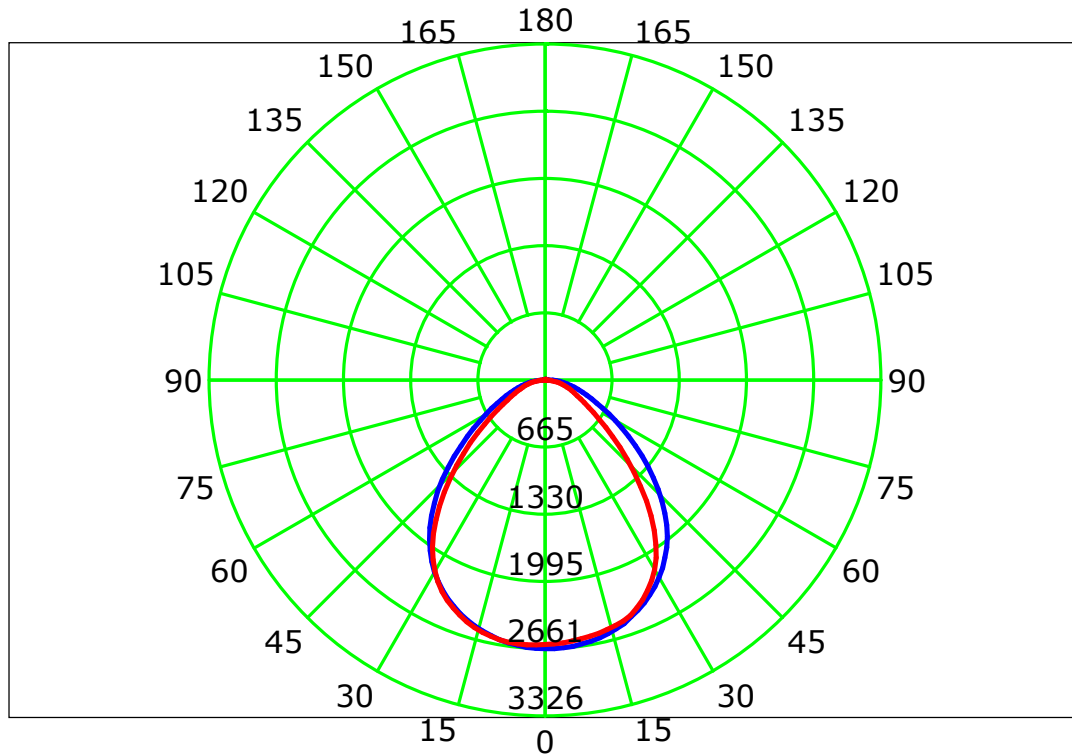
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve



Unit: cd

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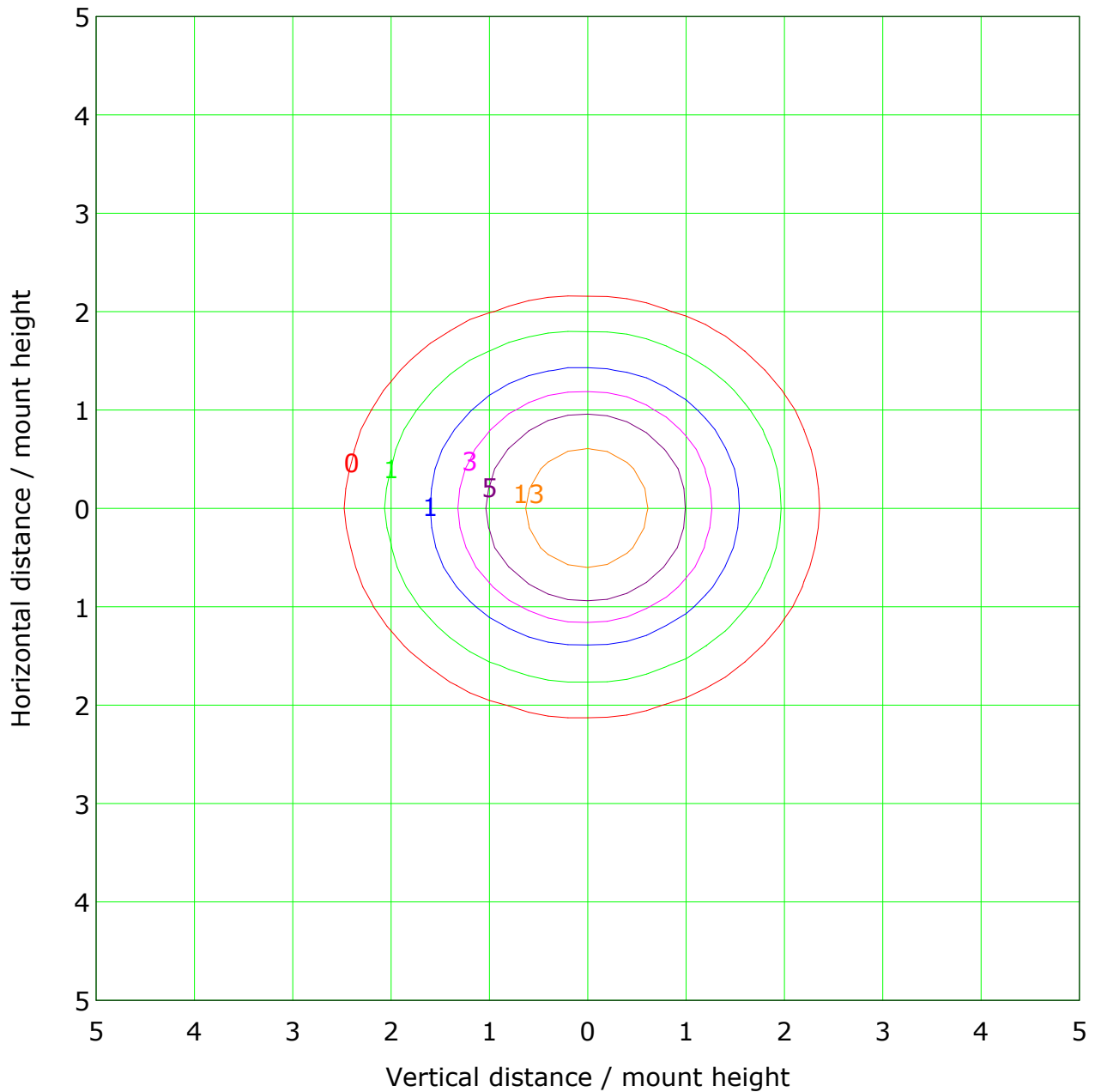
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 26.6 lx

(1%): 0.3 lx	(2%): 0.5 lx
(5%): 1.3 lx	(10%): 2.7 lx
(20%): 5.3 lx	(50%): 13.3 lx
(100%): 26.6 lx	

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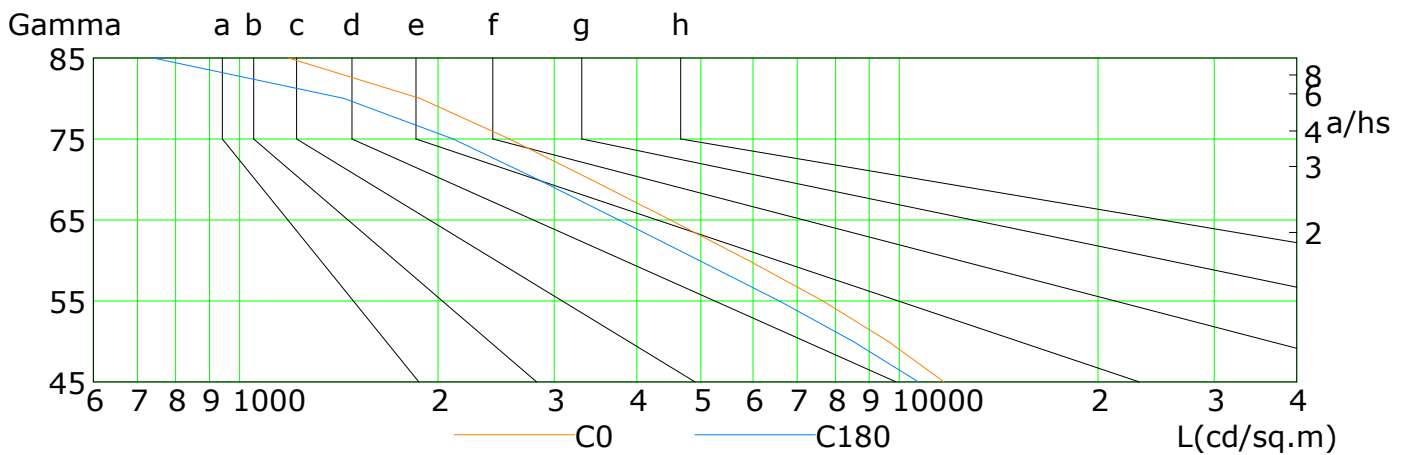
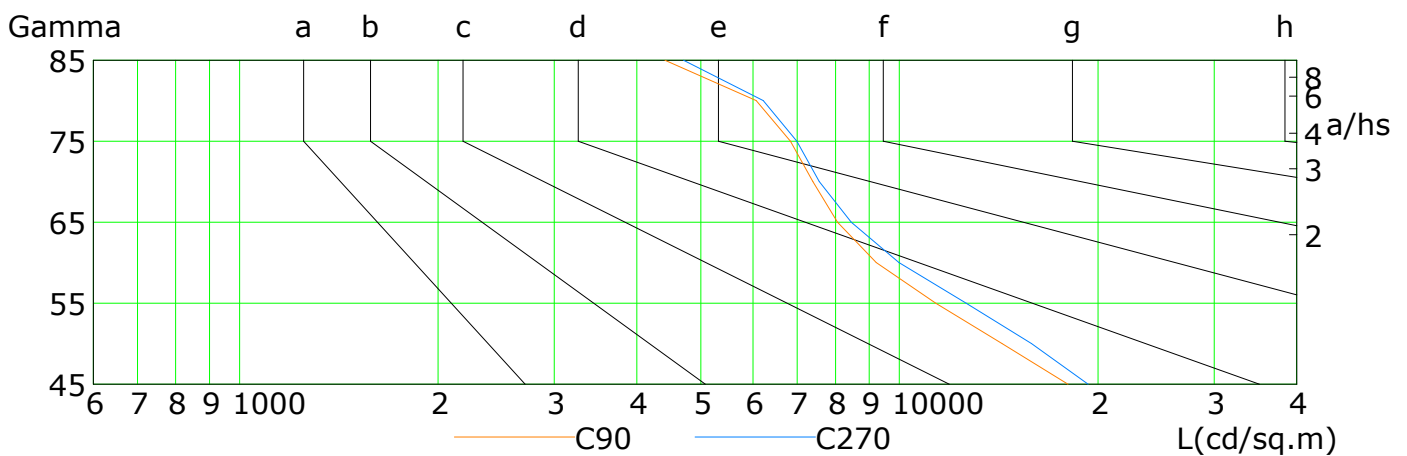
Humidity:

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	11692	9618	7651	5898	4500	3400	2564	1875	1187
C90	18001	14312	11358	9226	8061	7395	6834	6067	4415
C180	10685	8505	6575	4966	3759	2829	2106	1439	740
C270	19312	15847	12623	9981	8450	7563	6993	6222	4708

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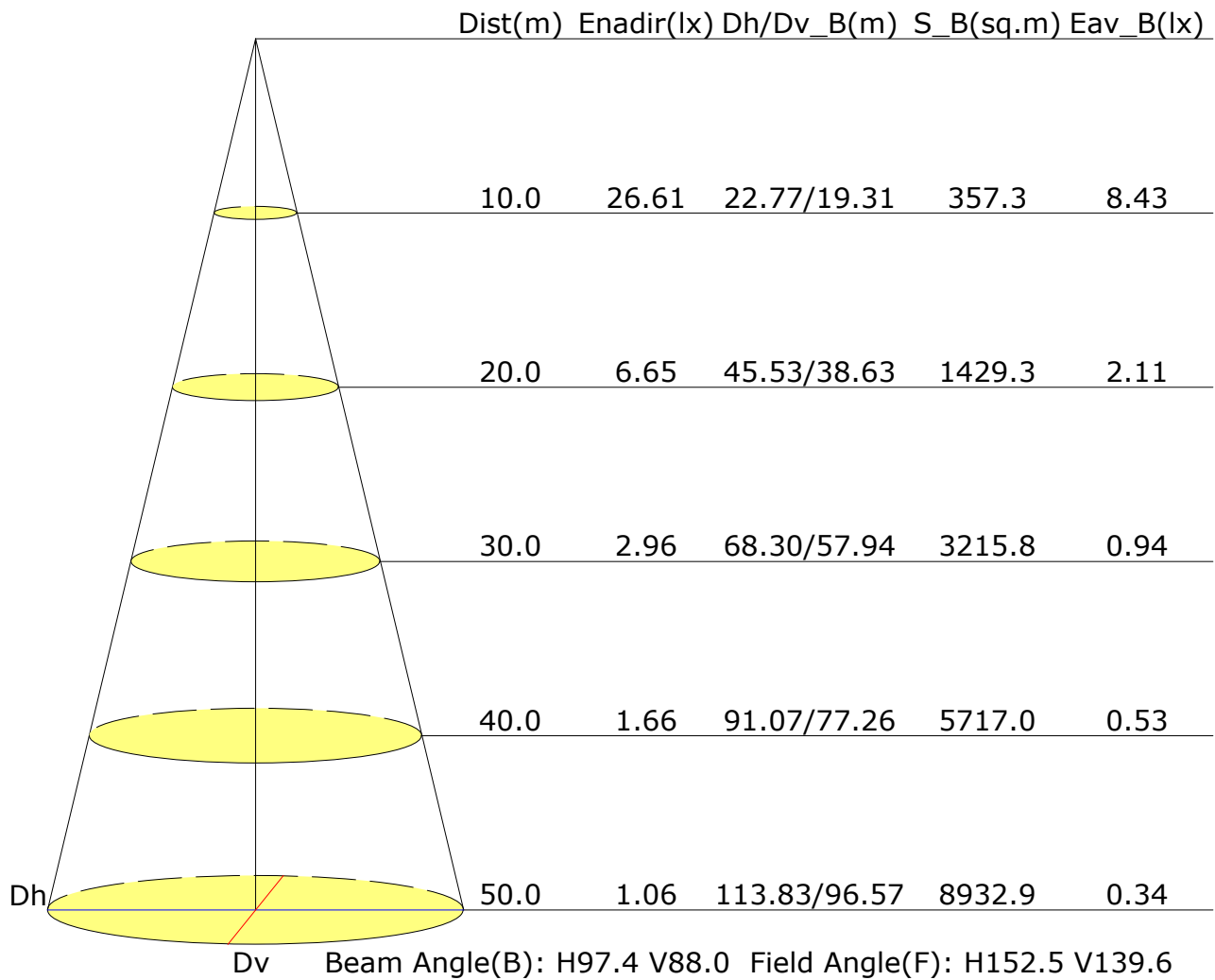
Test Device: LSG-1800B

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: