

Report No.: 2

Test Time: 16.04.2019 15:14

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FD 111 92W 5000K 90 rp DALI

Lamp Description: LED

Diameter (mm): 260 mm

Voltage: 221.3 V

Power: 91.18 W

Number of Lamps: 1

Luminous Height (mm): 178 mm

Current: 0.418 A

Power Factor: 0.984

Photometric Results

CIE Class: Direct

Measurement Flux: 10944.8 lm

Downward Ratio: 100%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 129.6, 129.2, 138.2, 138.8

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 77.3, 77.4, 77.4, 77.8

Luminaire Efficacy Rating (LER): 120.88

Max. Intensity: 6025.38 cd

S/MH(C0/C180): 1.35

Total Rated Lamp Lumens: 10944.8 lm

Efficiency: 100%

Upward Ratio: 0%

Central Intensity: 4908.59 cd

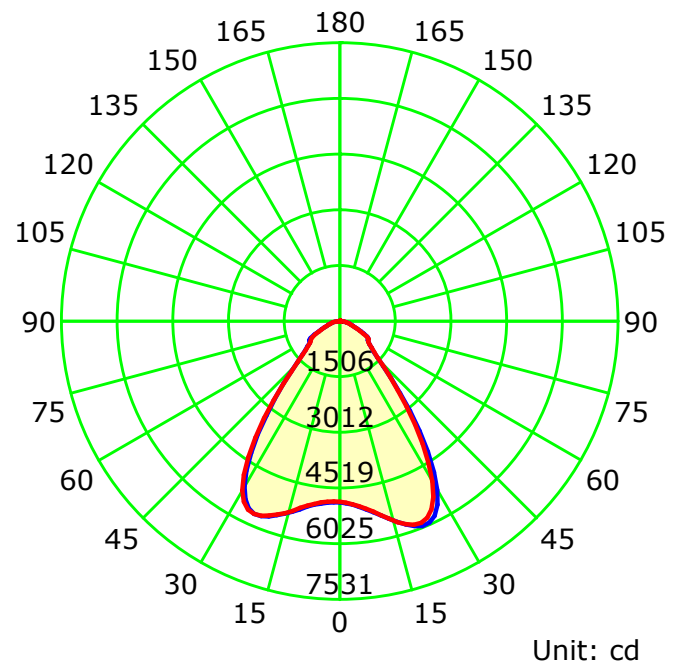
Pos of Max. Intensity: H22.5 V22

S/MH(C90/C270): 1.34

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

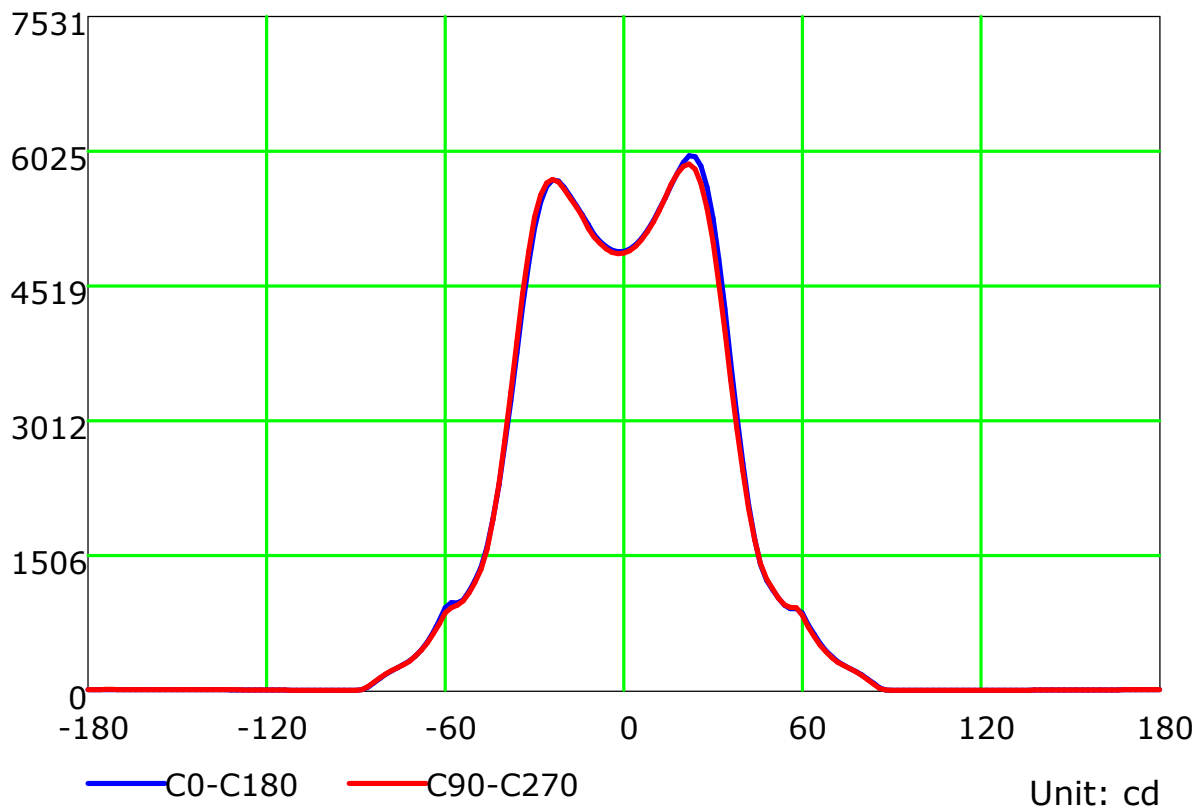
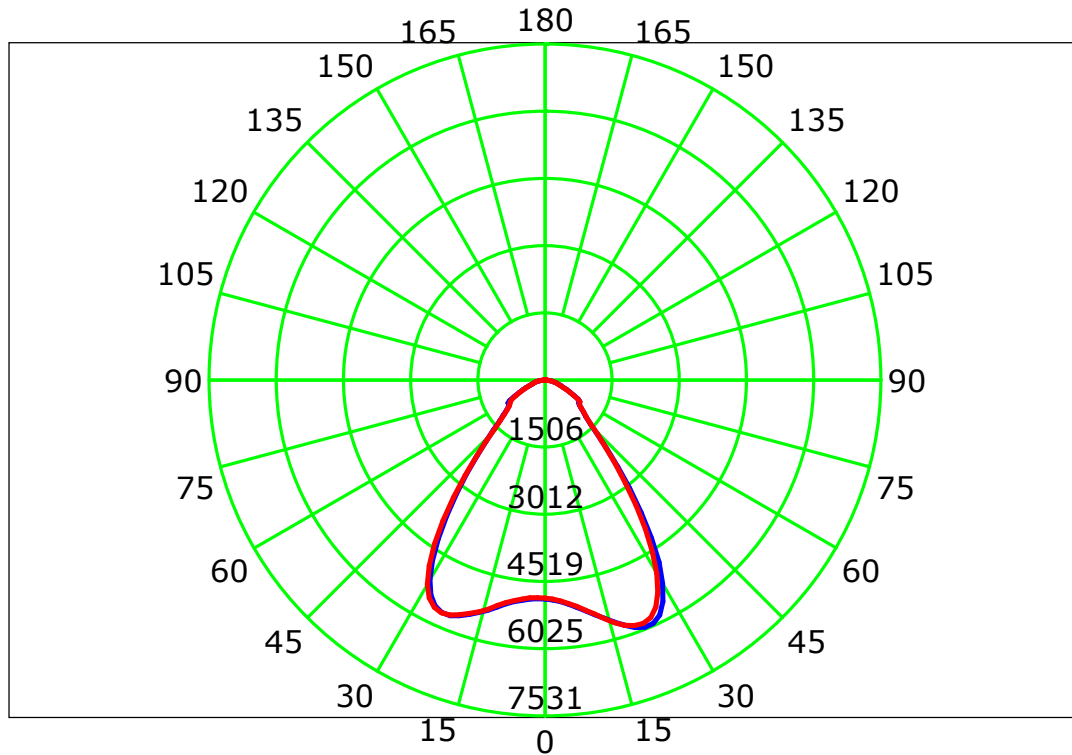
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve



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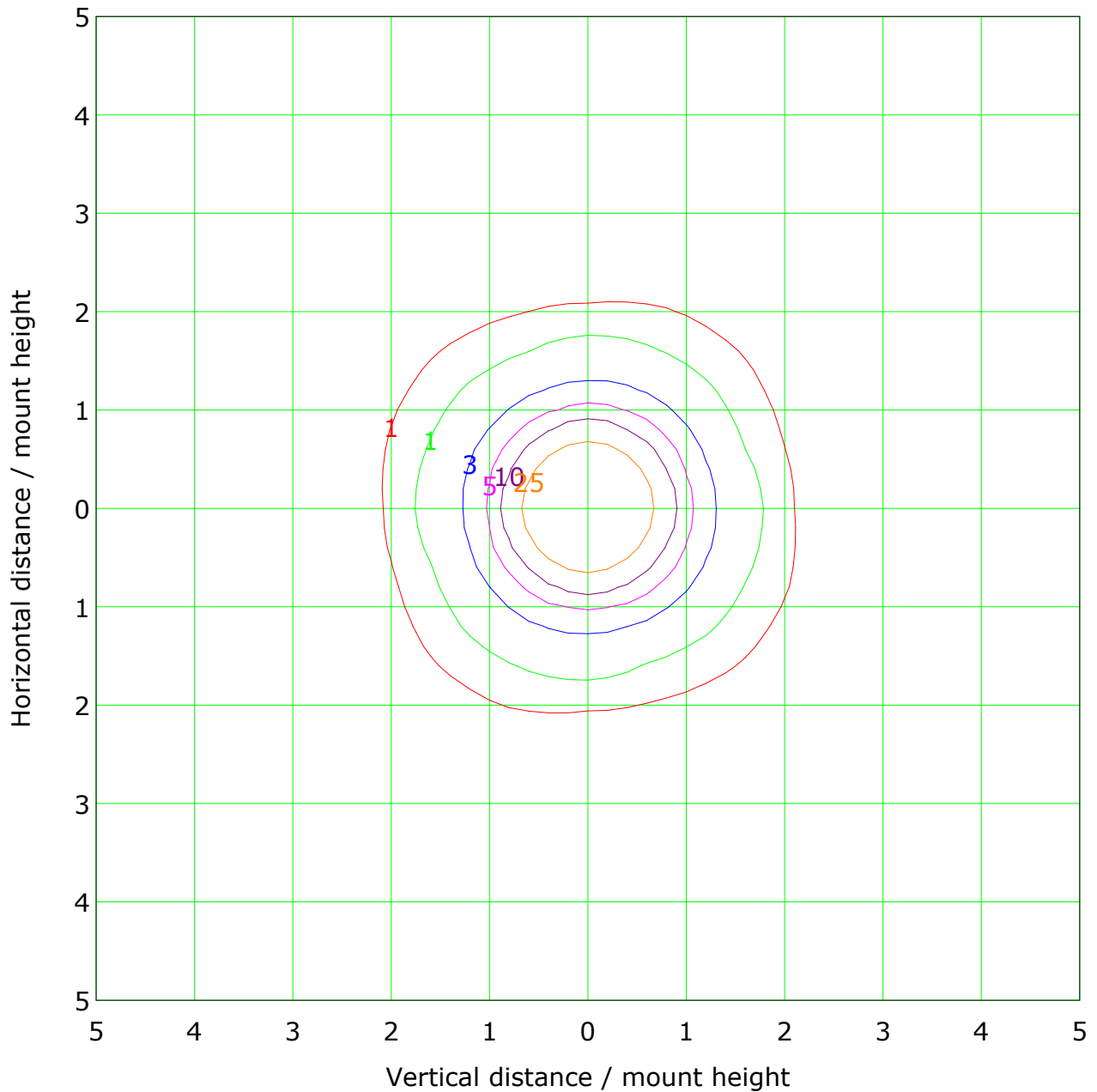
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 51.0 lx

(1%): 0.5 lx	(2%): 1.0 lx
(5%): 2.5 lx	(10%): 5.1 lx
(20%): 10.2 lx	(50%): 25.5 lx
(100%): 51.0 lx	

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Test Device: LSG-1800B

Distance: 12.654 m

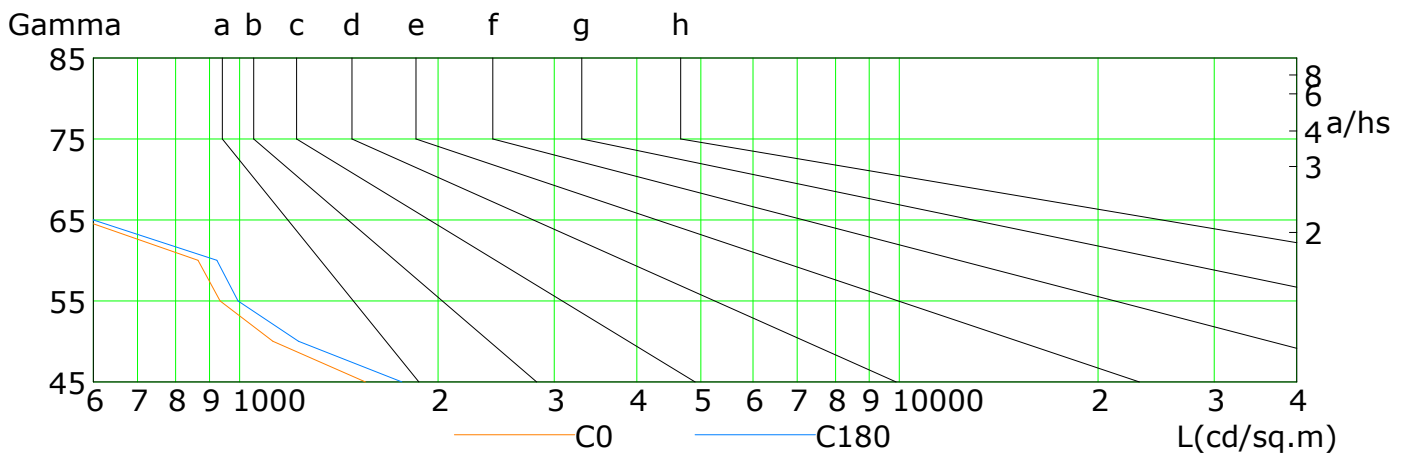
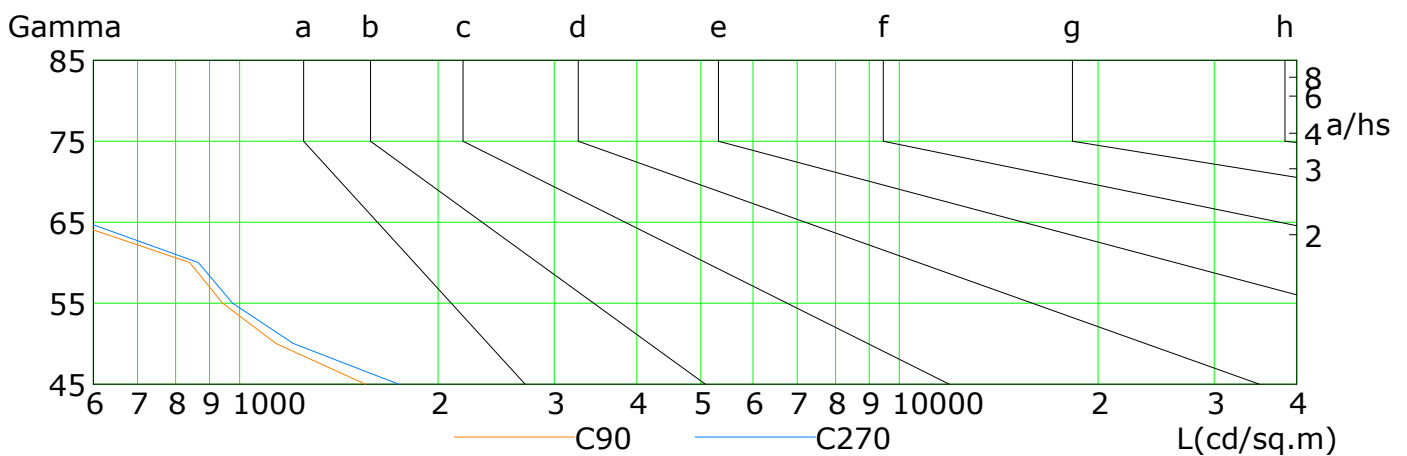
Humidity:

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	1551	1124	935	865	577	376	263	172	55
C90	1552	1136	943	840	555	364	261	168	47
C180	1763	1228	995	924	600	385	273	181	61
C270	1743	1206	976	866	586	384	272	185	68

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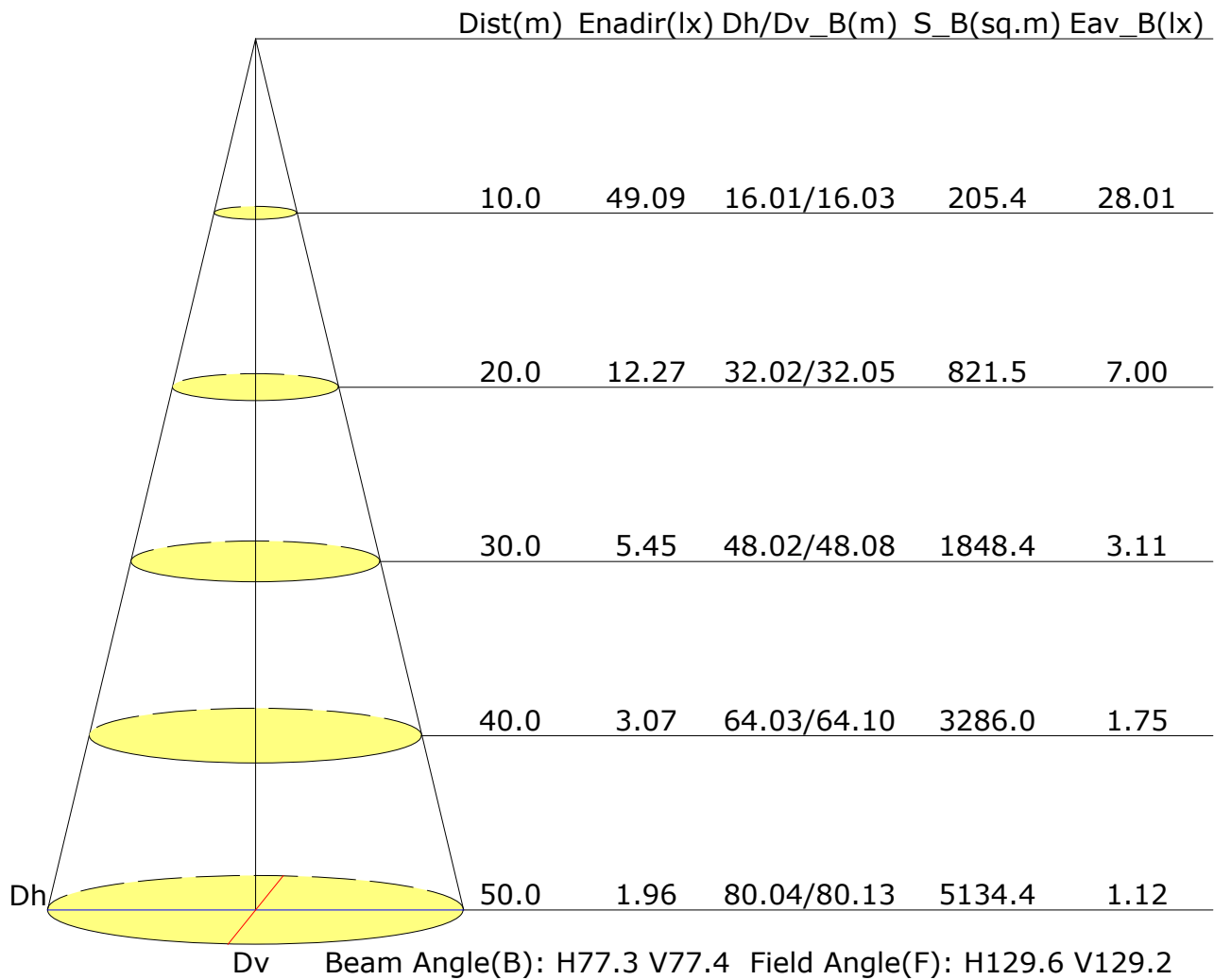
Test Device: LSG-1800B

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: