

Report No.: 1

Test Time: 09.04.2019 13:34

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FD 111 192W 60 rp 5000K

Lamp Description: LED

Diameter (mm): 400 mm

Voltage: 231.3 V

Power: 189.10 W

Number of Lamps: 1

Luminous Height (mm): 215 mm

Current: 0.887 A

Power Factor: 0.963

Photometric Results

CIE Class: Direct

Measurement Flux: 25253.3 lm

Downward Ratio: 98%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 113.6, 121.1, 117.6, 117.8

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 51.2, 52.7, 51.3, 51.7

Luminaire Efficacy Rating (LER): 133.59

Max. Intensity: 22448.79 cd

S/MH(C0/C180): 0.80

Total Rated Lamp Lumens: 25253.3 lm

Efficiency: 100%

Upward Ratio: 2%

Central Intensity: 22448.79 cd

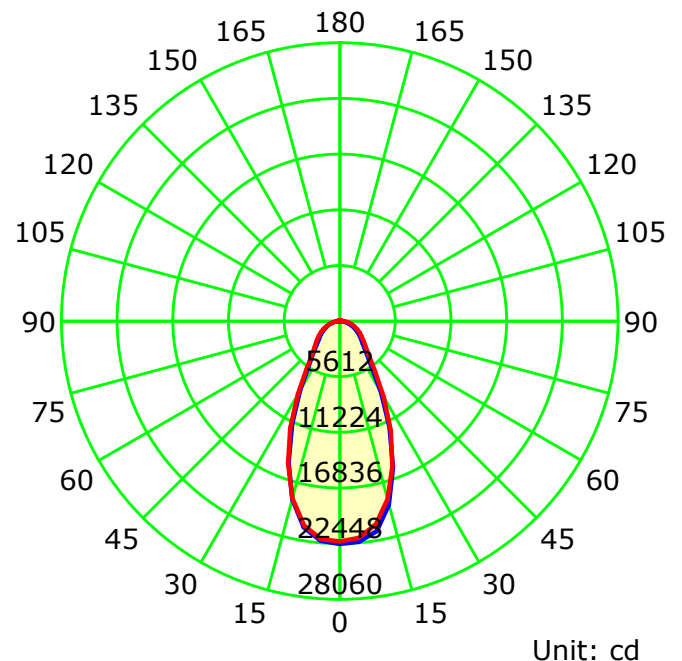
Pos of Max. Intensity: H0 V0

S/MH(C90/C270): 0.81

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 (°):0.0-180.0:5.0

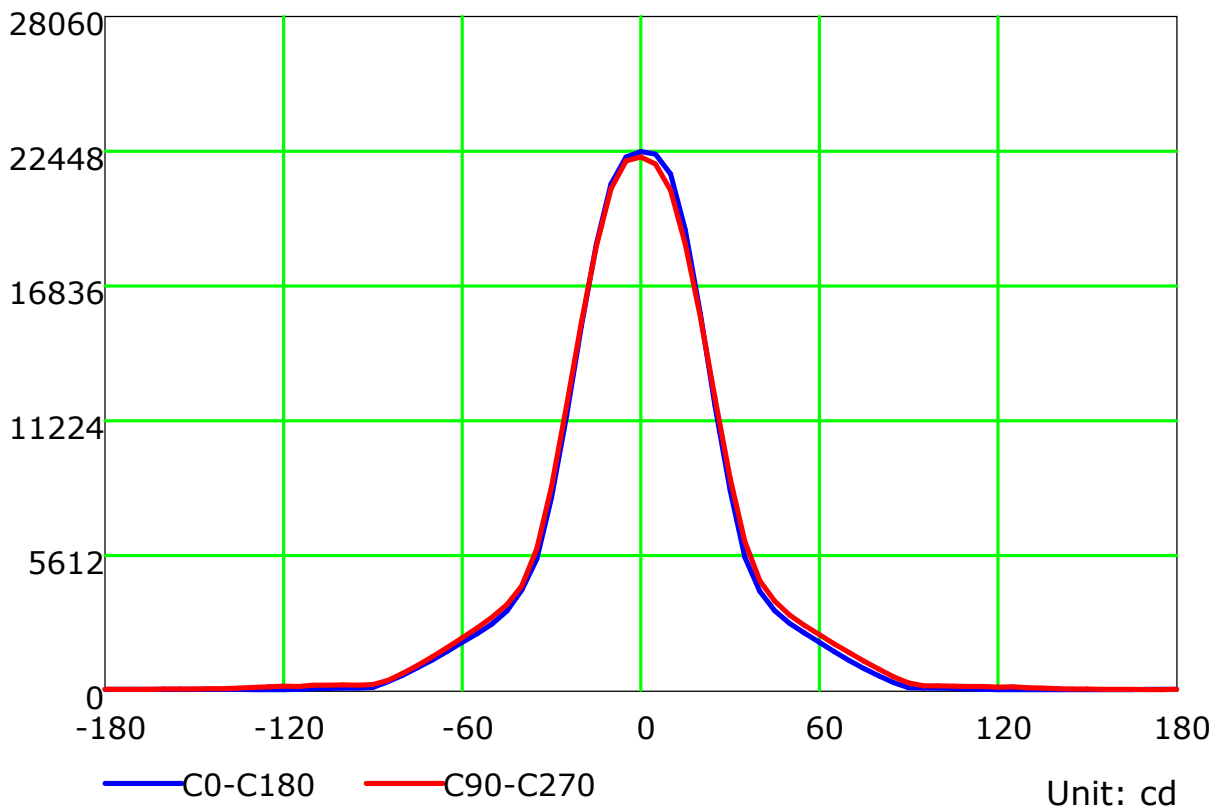
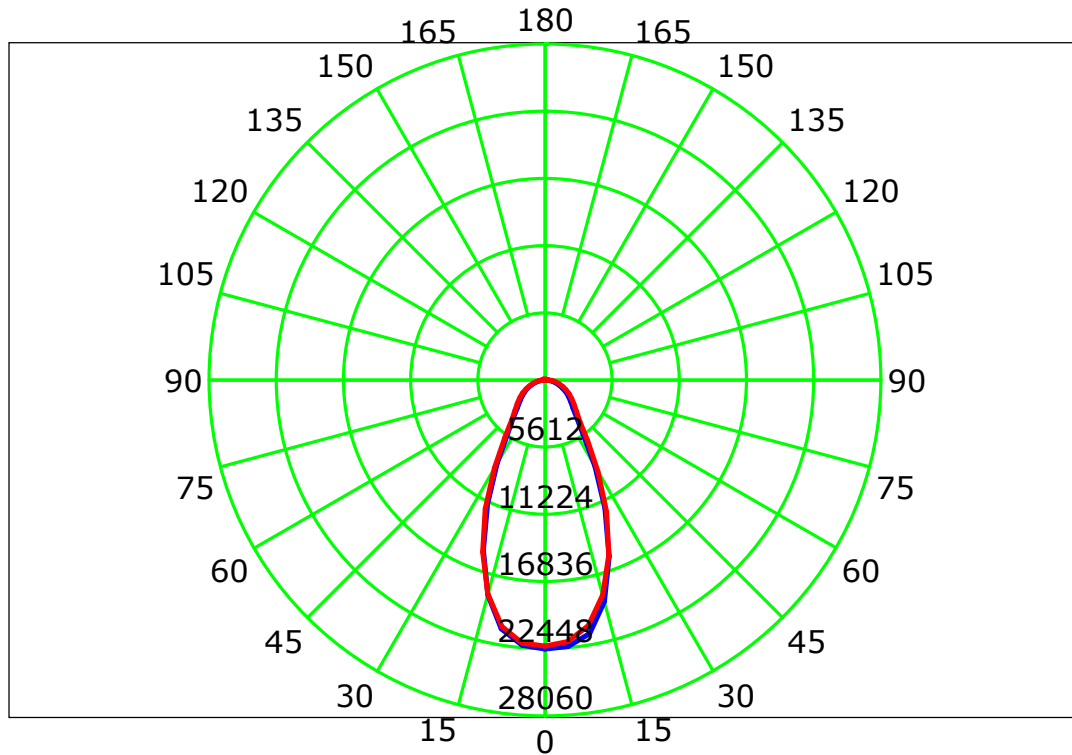
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve



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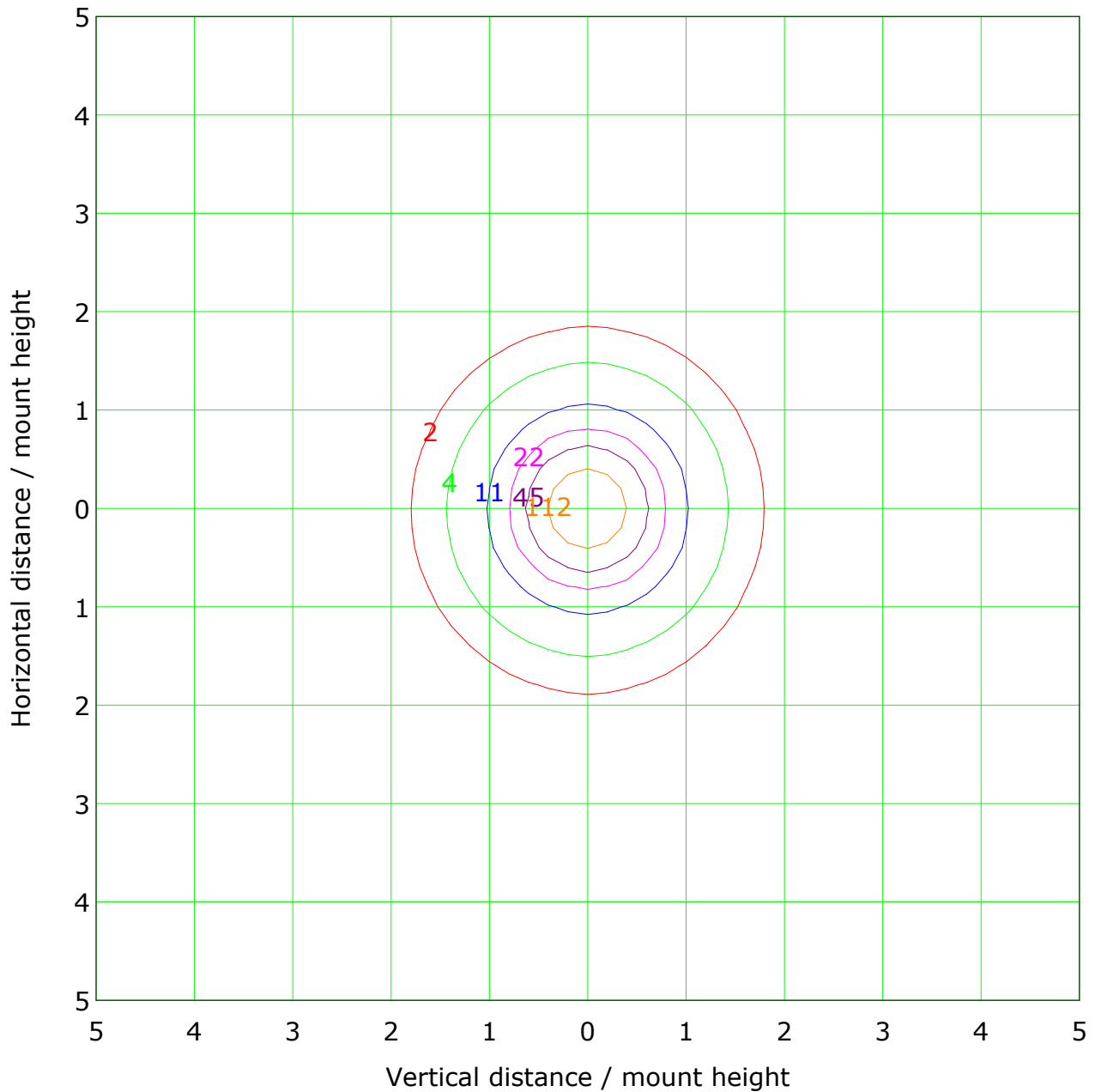
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Distance: 12.654 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 224.5 lx	
— (1%):	2.2 lx	— (2%):	4.5 lx
— (5%):	11.2 lx	— (10%):	22.4 lx
— (20%):	44.9 lx	— (50%):	112.2 lx
— (100%):	224.5 lx		

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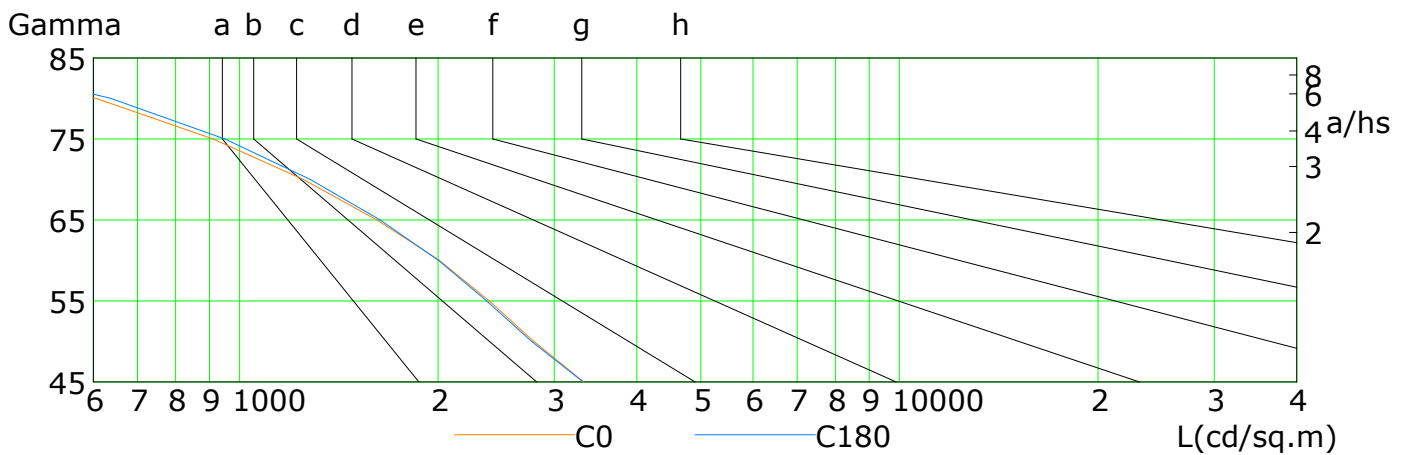
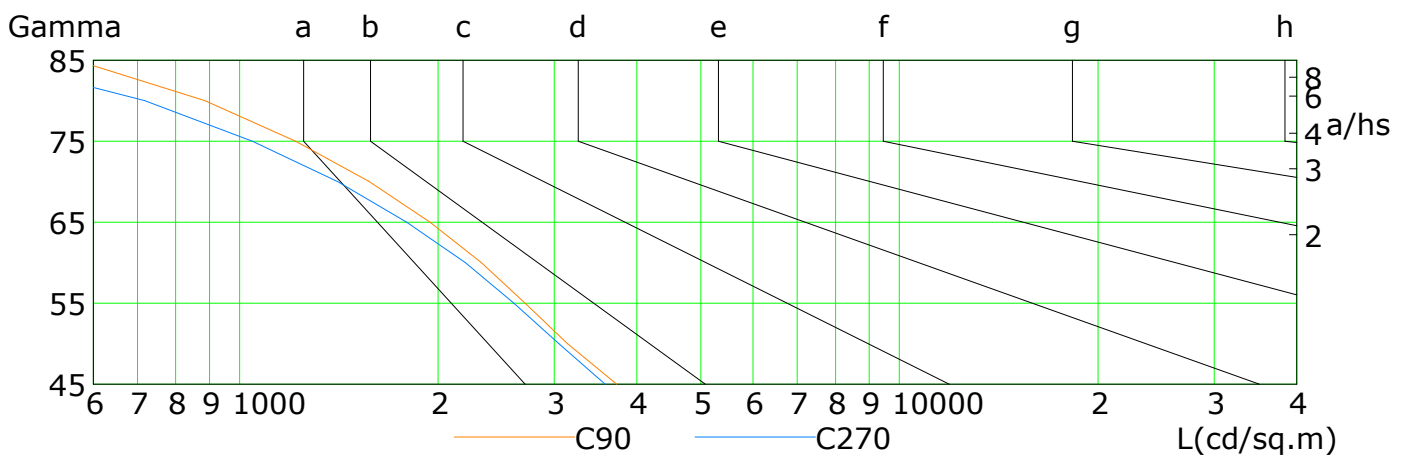
Humidity:

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	3321	2791	2390	2008	1615	1248	912	606	327
C90	3730	3141	2709	2324	1944	1573	1217	886	567
C180	3317	2769	2368	2002	1633	1278	950	638	363
C270	3583	3047	2604	2198	1792	1407	1045	718	419

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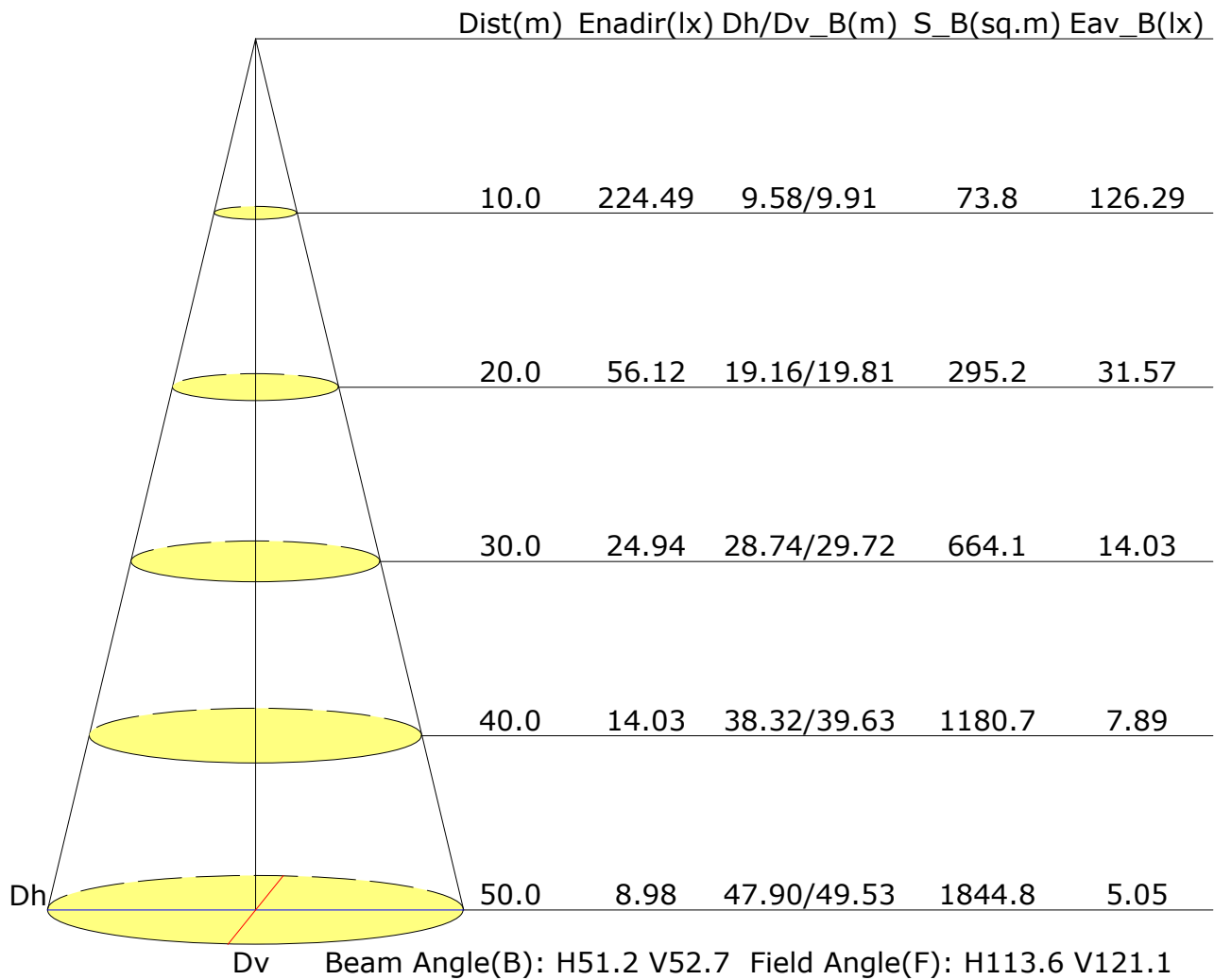
Test Device: LSG-1800B

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: