

Report No.: 1

Test Time: 23.04.2019 09:57

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FD 111 145W 5000K 120 rp DALI

Lamp Description: LED

Luminous diameter (mm): 325

Luminous Height (mm): 204

Voltage: 221.3 V

Current: 0.674 A

Power: 144.44 W

Power Factor: 0.967

Photometric Results

CIE Class: Direct

Measurement Flux: 19159.8 lm

Total Rated Lamp Lumens: 19159.8 lm

Efficiency: 100%

Downward Ratio: 99%

Upward Ratio: 1%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 155.1, 155.1, 155.0, 155.1

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

Luminaire Efficacy Rating (LER): 132.70

Central Intensity: 6654.25 cd

Max. Intensity: 6659.82 cd

Pos of Max. Intensity: H112.5 V5

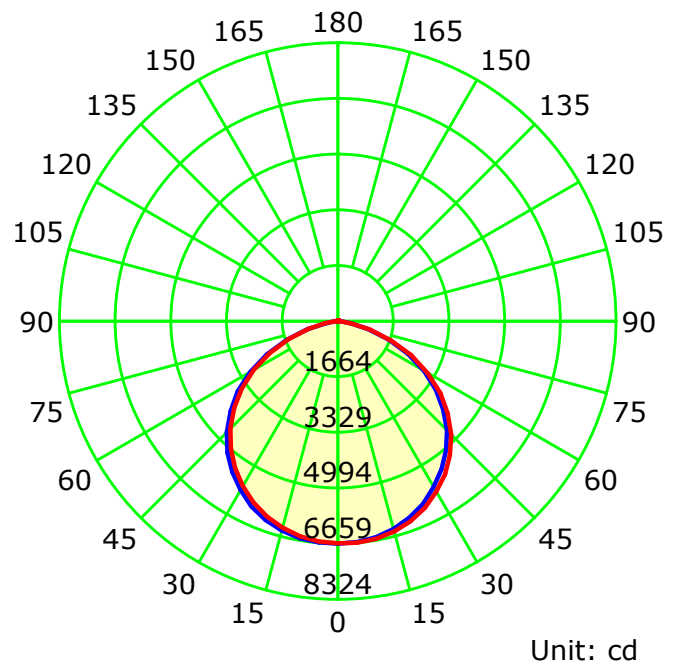
S/MH(C0/C180): 1.29

S/MH(C90/C270): 1.29

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

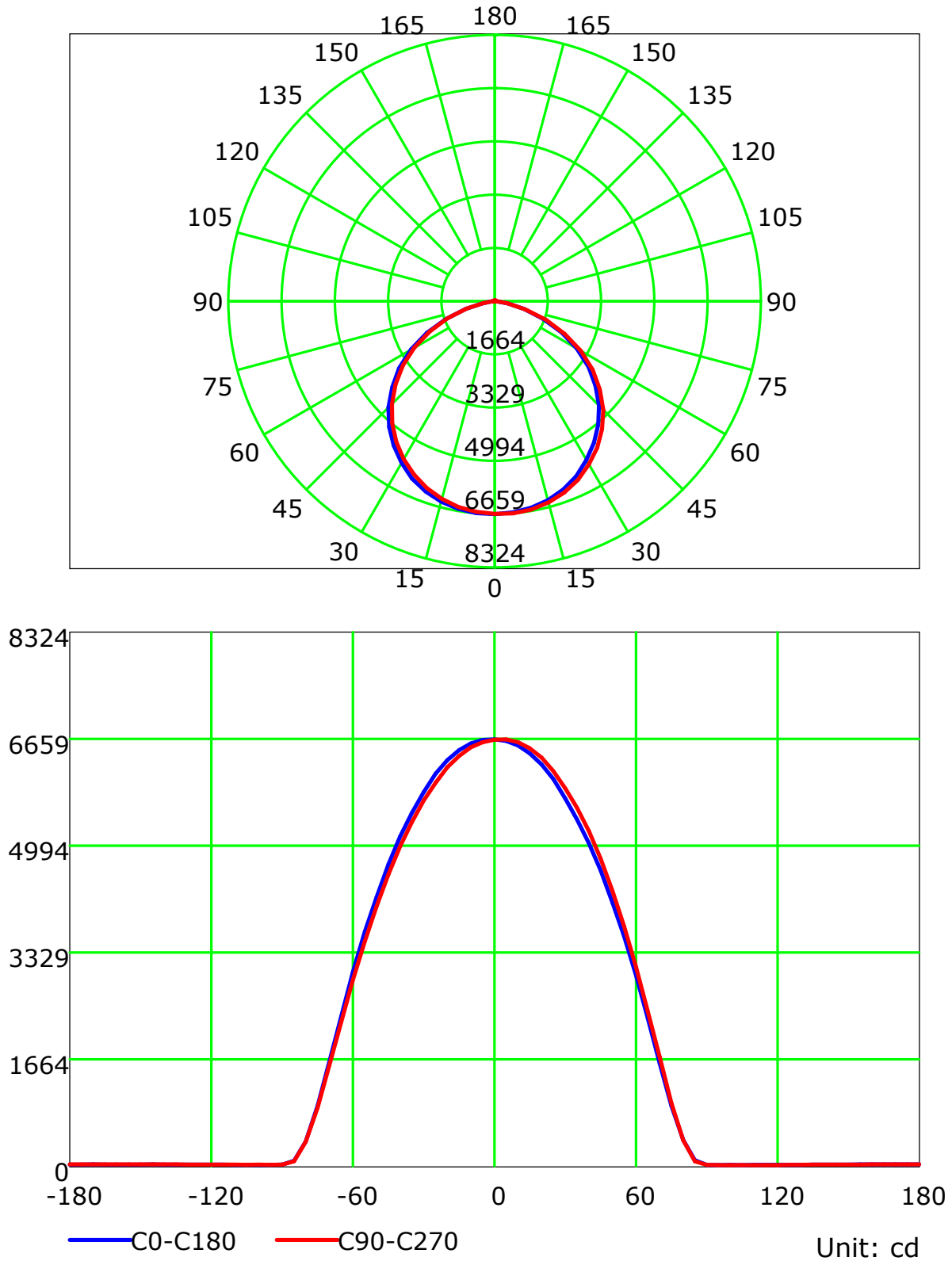
Temperature:

Humidity:

Operator:

Inspector:

Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:5.0

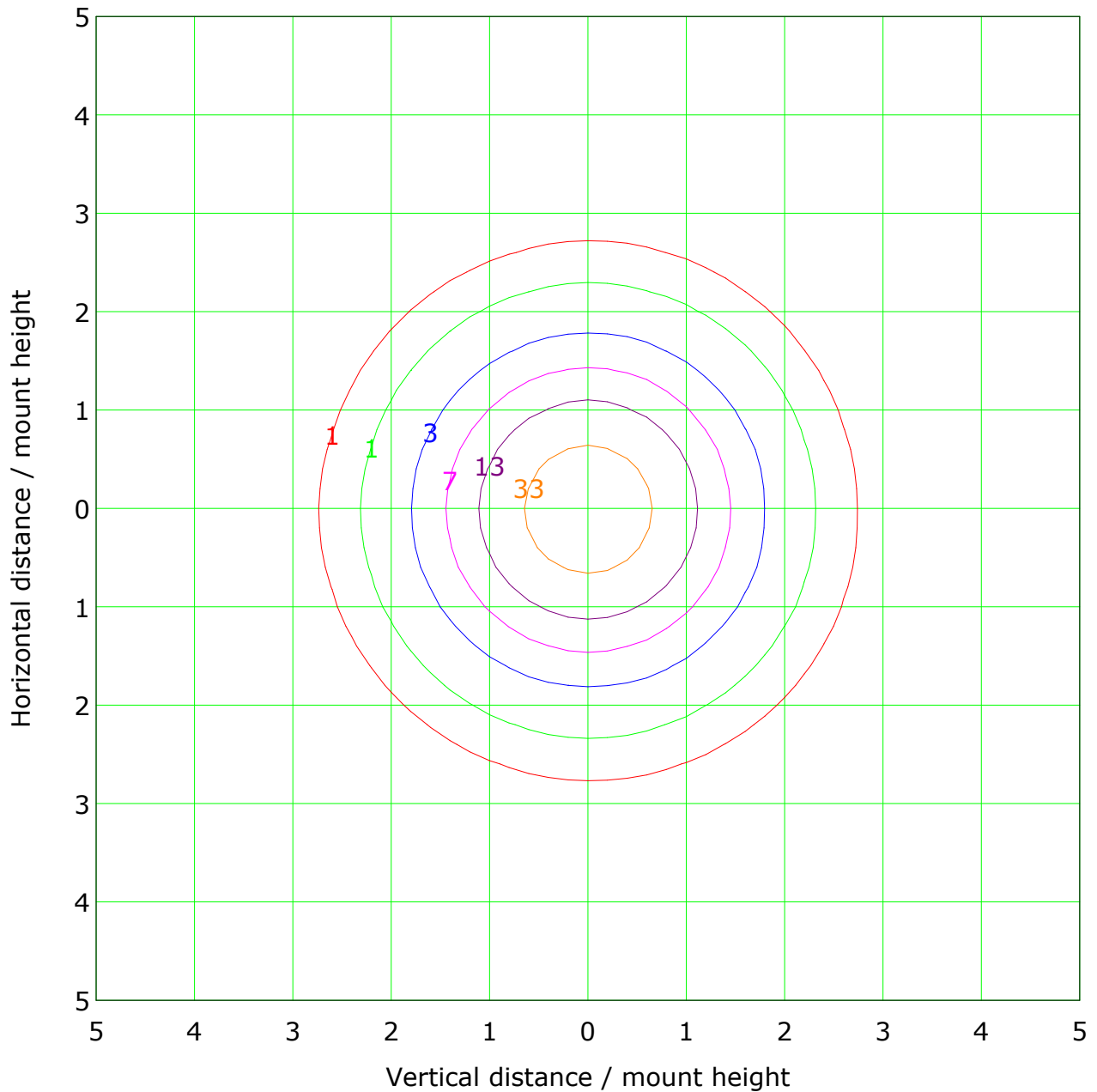
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 66.5 lx

(1%): 0.7 lx	(2%): 1.3 lx
(5%): 3.3 lx	(10%): 6.7 lx
(20%): 13.3 lx	(50%): 33.3 lx
(100%): 66.5 lx	

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

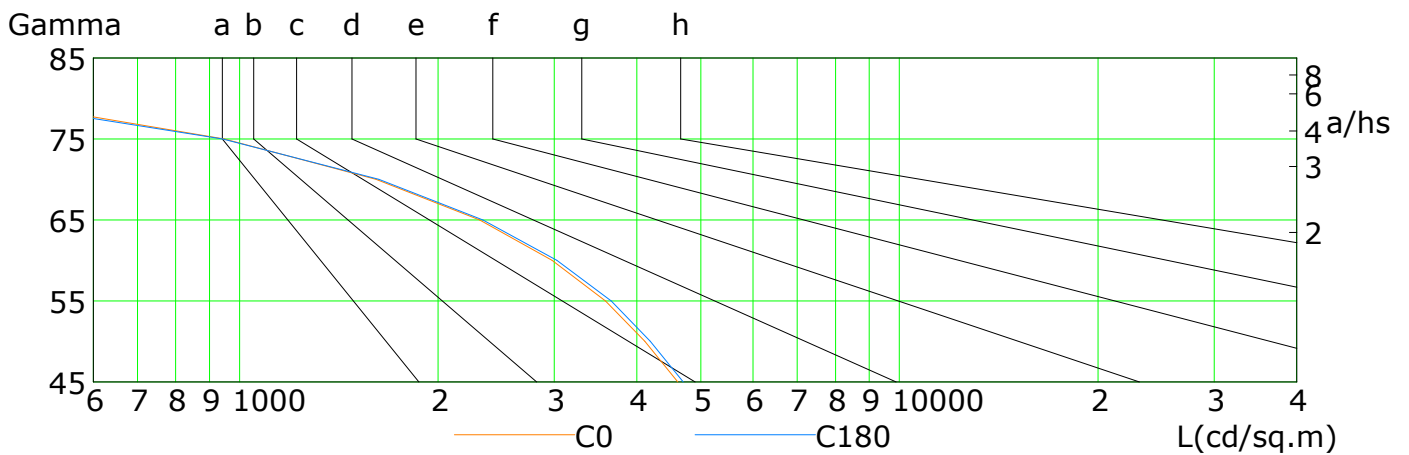
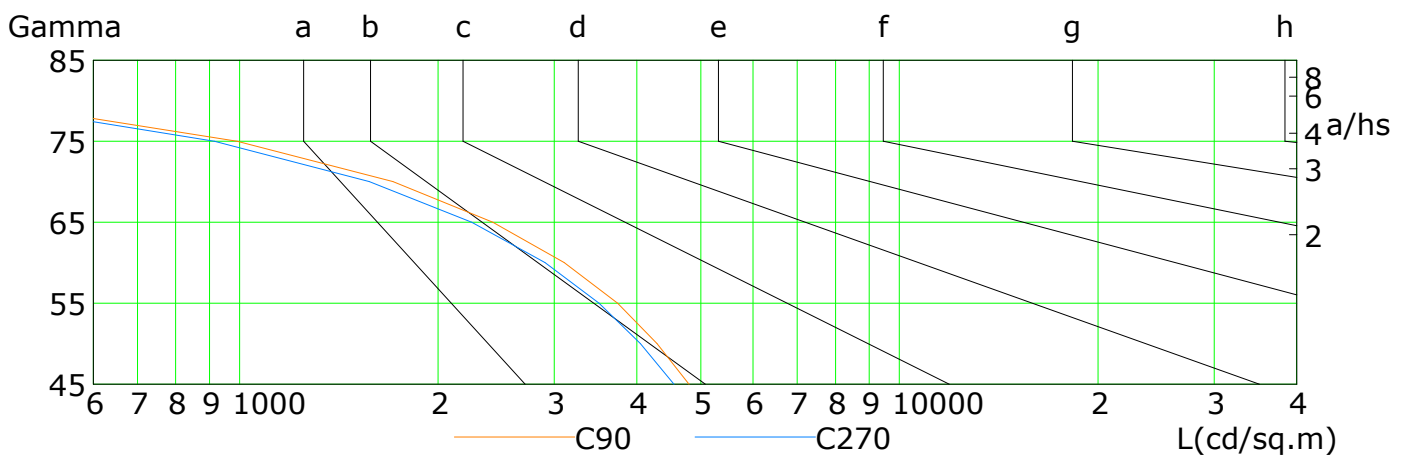
Humidity:

Inspector:

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	4616	4111	3585	2974	2313	1609	948	410	92
C90	4800	4292	3741	3105	2420	1708	991	406	78
C180	4705	4191	3657	3026	2336	1626	942	386	87
C270	4551	4048	3507	2904	2247	1572	916	382	79

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:5.0

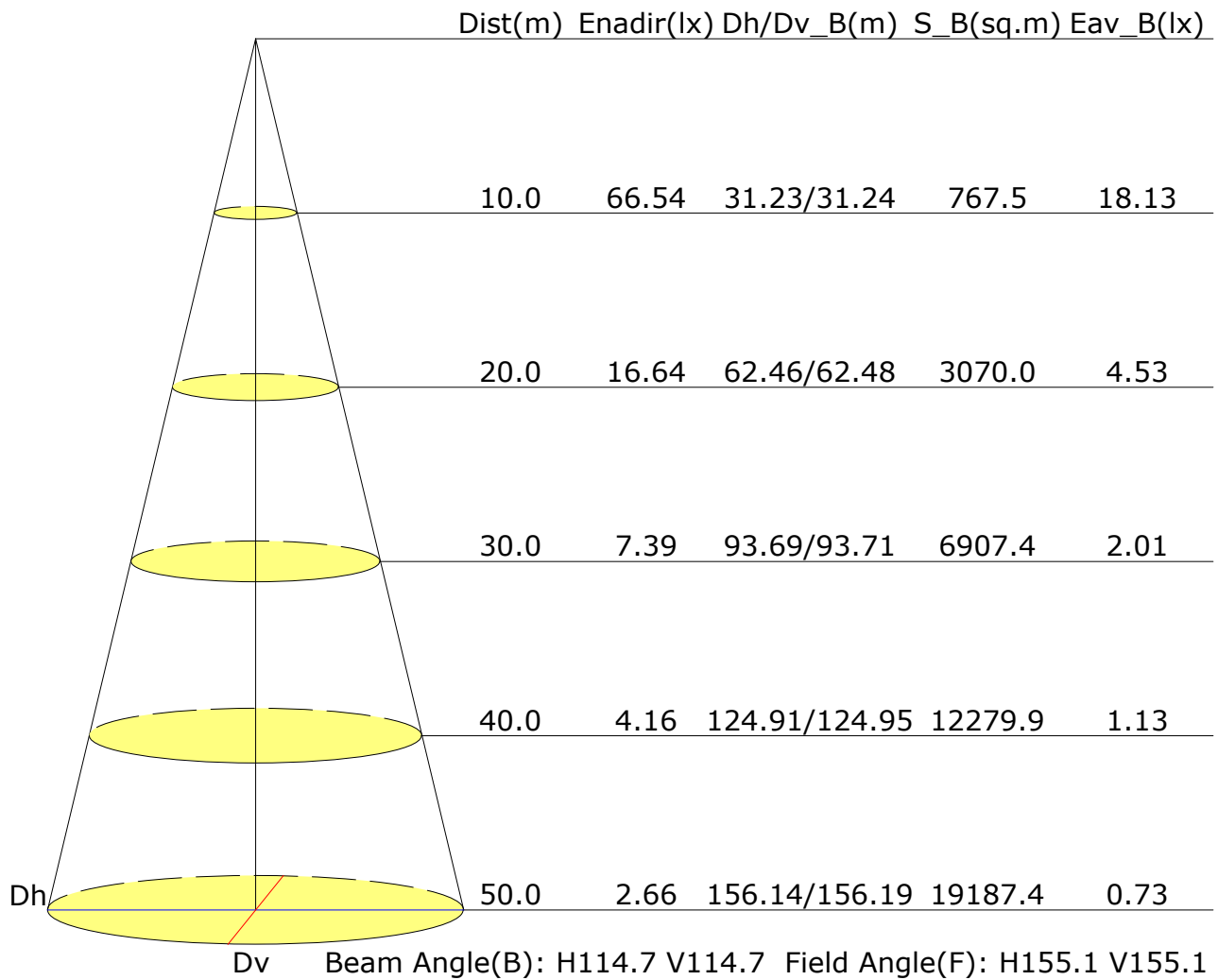
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

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: