

Report No.: 1

Test Time: 15.04.2019 16:00

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FD 111 192W 5000K 90 rp DALI

Lamp Description: LED

Diameter (mm): 400 mm

Voltage: 231.2 V

Power: 189.20 W

Number of Lamps: 1

Luminous Height (mm): 215 mm

Current: 0.888 A

Power Factor: 0.964

Photometric Results

CIE Class: Direct

Measurement Flux: 25045.3 lm

Downward Ratio: 100%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 130.2, 131.3, 129.1, 130.0

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 82.0, 81.9, 81.9, 82.5

Luminaire Efficacy Rating (LER): 132.42

Max. Intensity: 13717.38 cd

S/MH(C0/C180): 1.41

Total Rated Lamp Lumens: 25045.3 lm

Efficiency: 100%

Upward Ratio: 0%

Central Intensity: 11756.63 cd

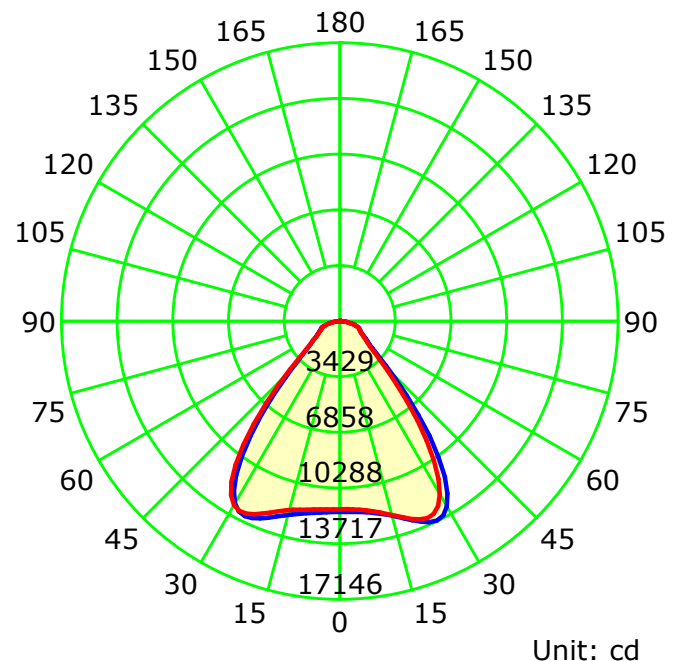
Pos of Max. Intensity: H45 V26

S/MH(C90/C270): 1.40

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

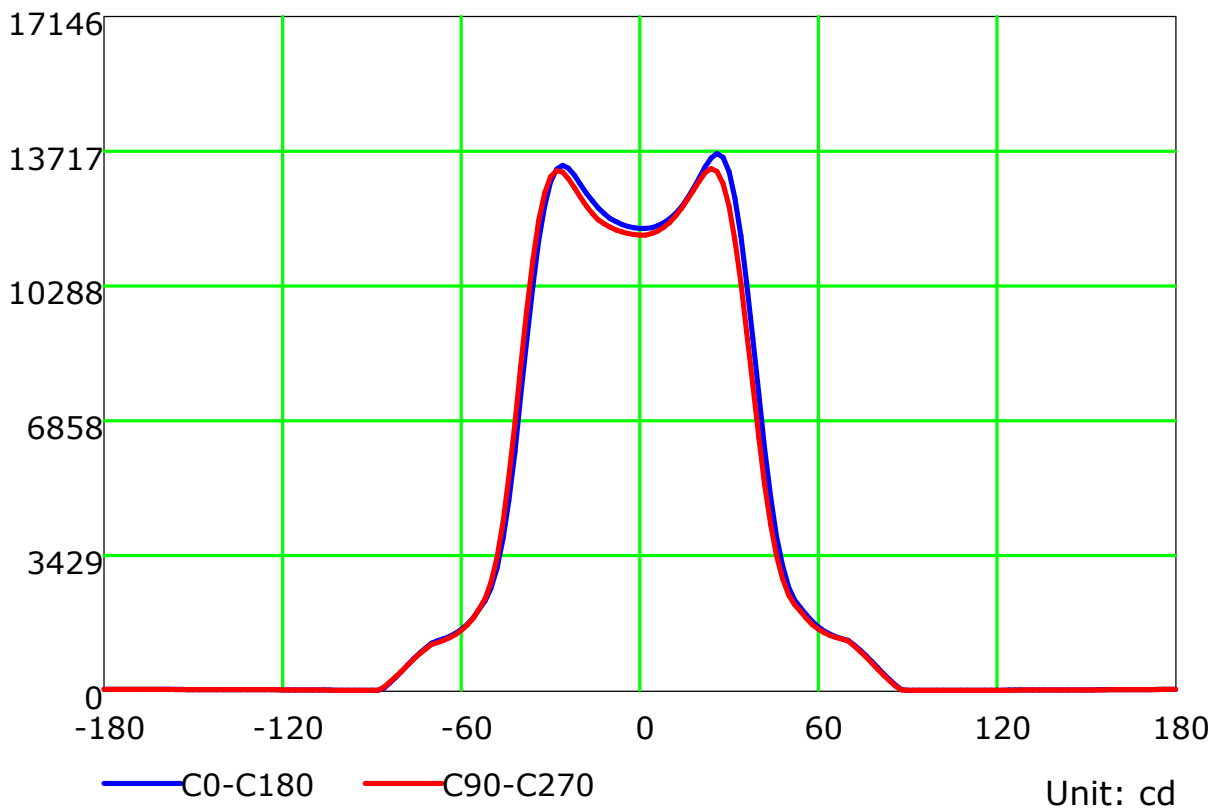
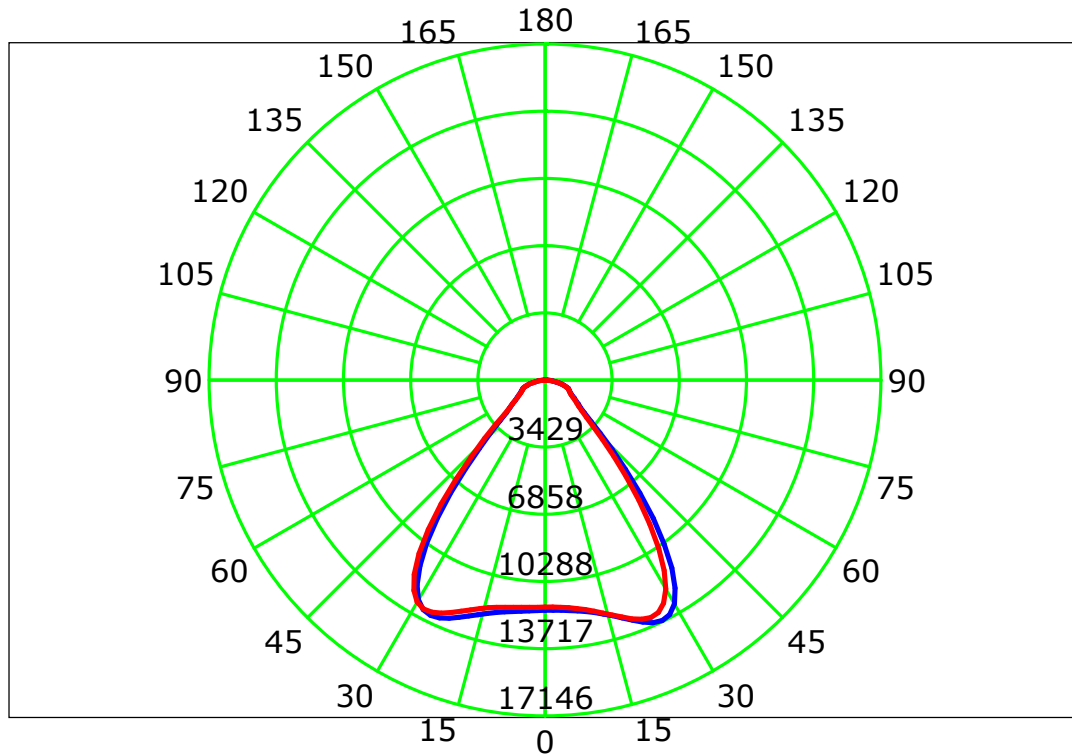
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve



Unit: cd

C Plane (°):0.0-360.0: 22.5

Test Lab:

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Temperature:

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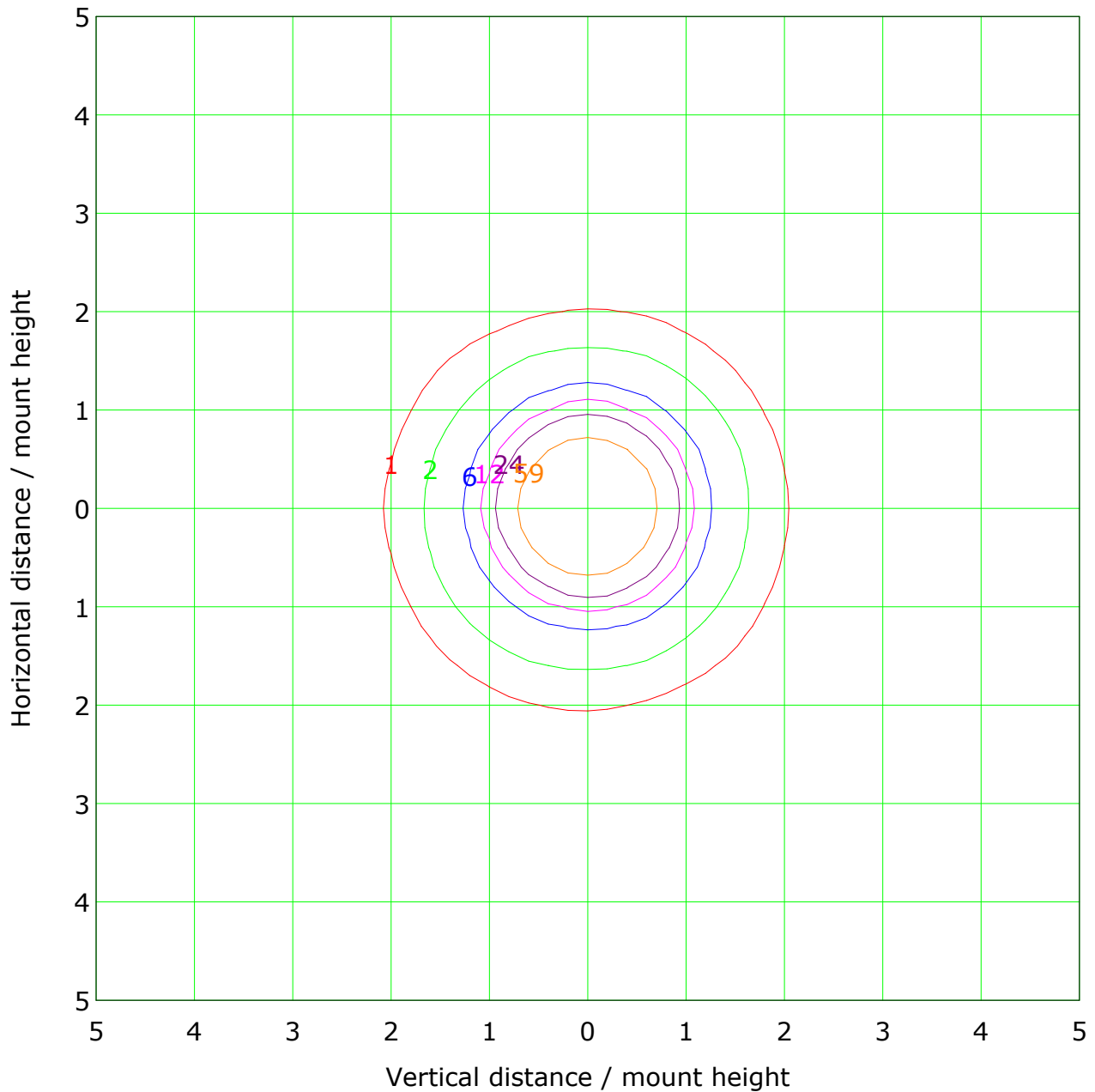
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 117.6 lx

(1%): 1.2 lx	(2%): 2.4 lx
(5%): 5.9 lx	(10%): 11.8 lx
(20%): 23.5 lx	(50%): 58.8 lx
(100%): 117.6 lx	

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Test Device: LSG-1800B

Distance: 12.654 m

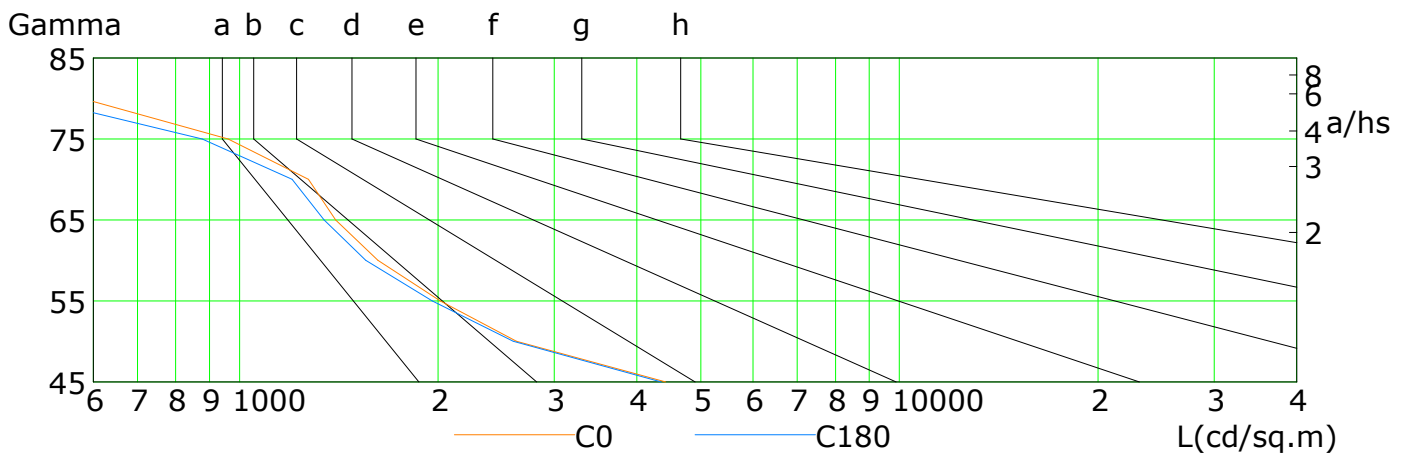
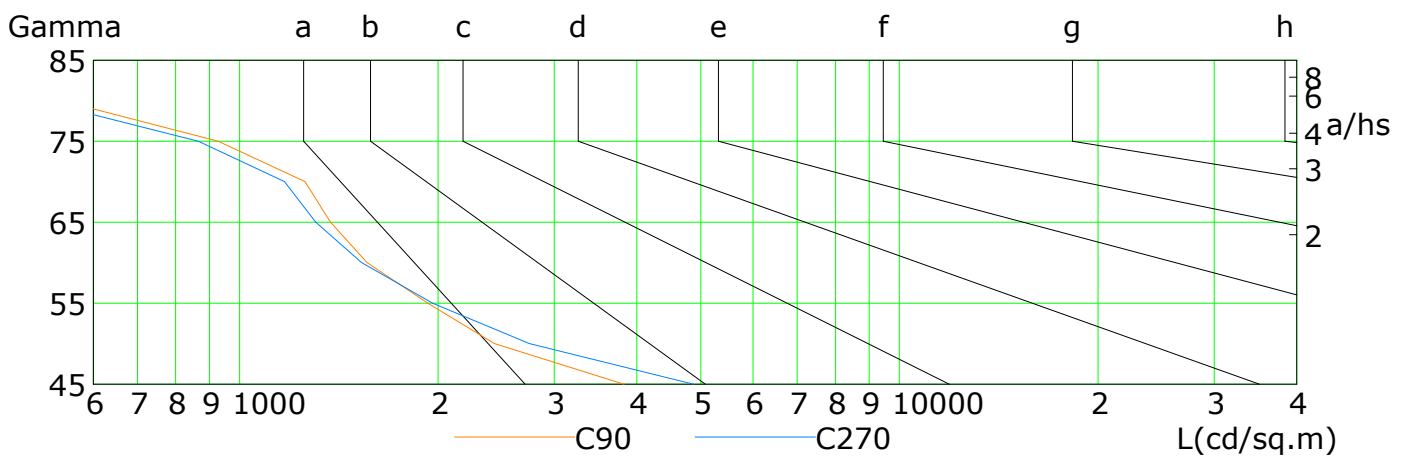
Humidity:

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	4422	2629	2015	1620	1398	1271	961	578	206
C90	3824	2433	1928	1560	1373	1257	928	536	175
C180	4357	2599	1959	1553	1343	1201	877	487	128
C270	4876	2748	1961	1531	1304	1170	866	495	150

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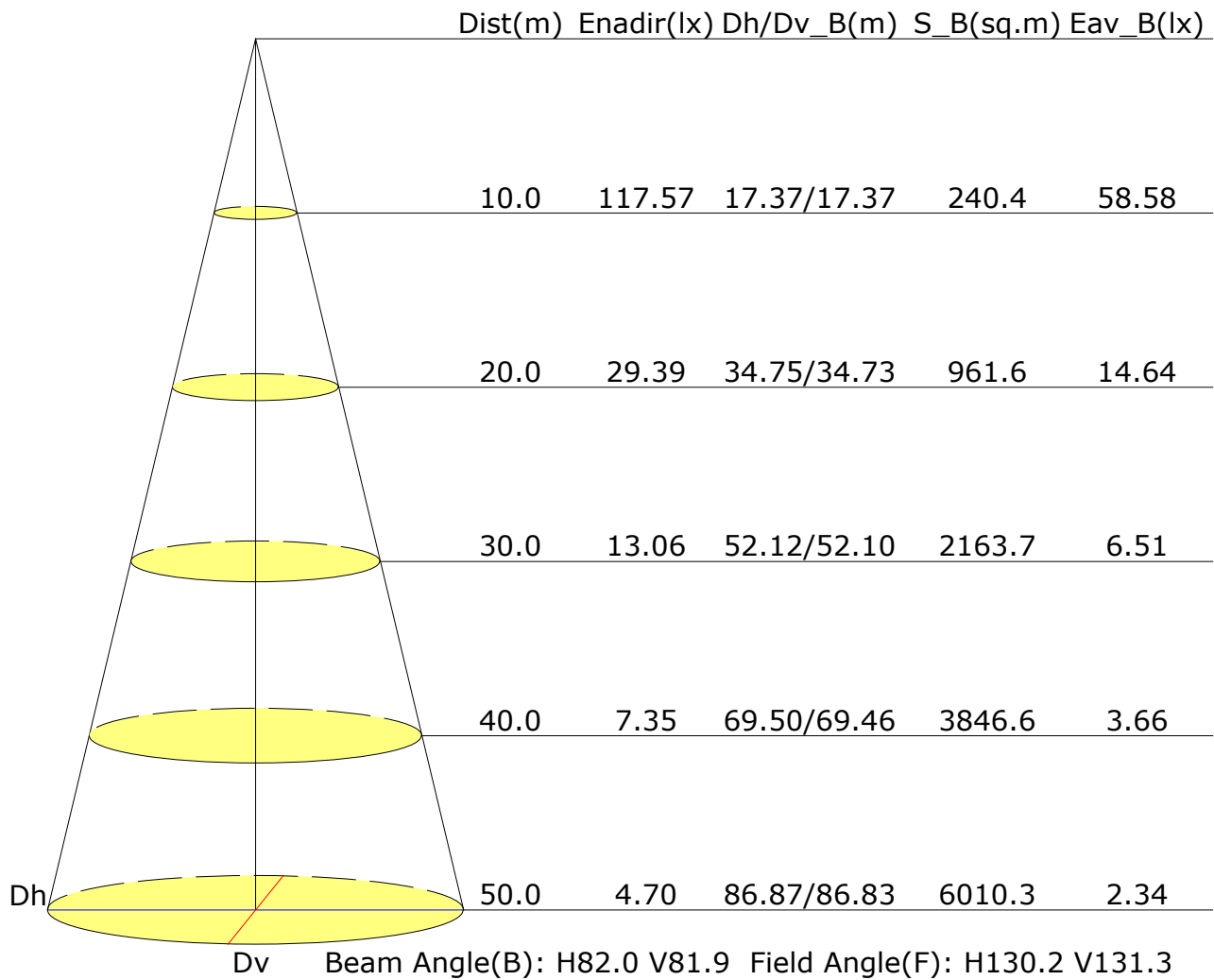
Test Device: LSG-1800B

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: