

Report No.: 1

Test Time: 27.03.2019 12:02

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FL 60 0,39A 34W 5000K frozen

Lamp Description: LED

Luminous Width (mm): 60

Voltage: 221.9 V

Power: 34.55 W

Luminous Length (mm): 1500

Luminous Height (mm): 70

Current: 0.158 A

Power Factor: 0.984

Photometric Results

CIE Class: Direct

Measurement Flux: 4689.4 lm

Downward Ratio: 99%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 152.6, 139.4, 147.2, 147.2

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 97.4, 88.1, 92.3, 92.4

Luminaire Efficacy Rating (LER): 135.78

Max. Intensity: 2089.39 cd

S/MH(C0/C180): 1.24

Total Rated Lamp Lumens: 4689.4 lm

Efficiency: 100%

Upward Ratio: 1%

Central Intensity: 2081.58 cd

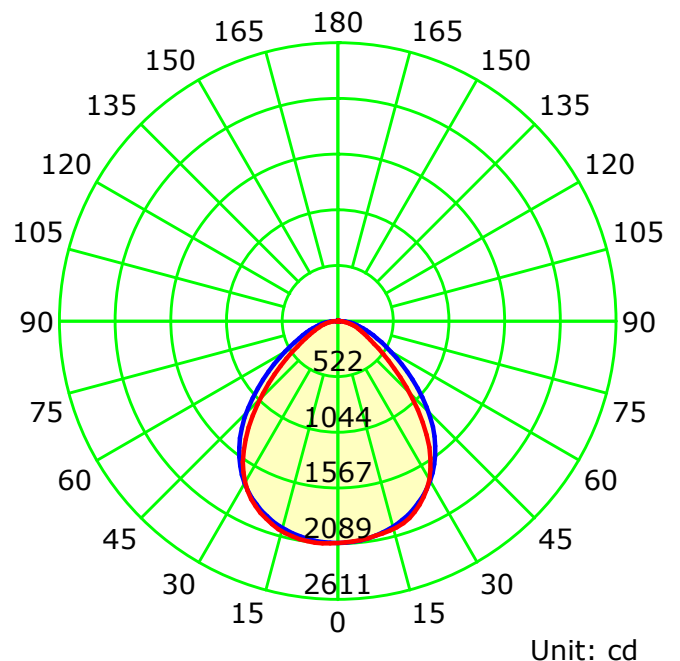
Pos of Max. Intensity: H270 V6

S/MH(C90/C270): 1.22

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

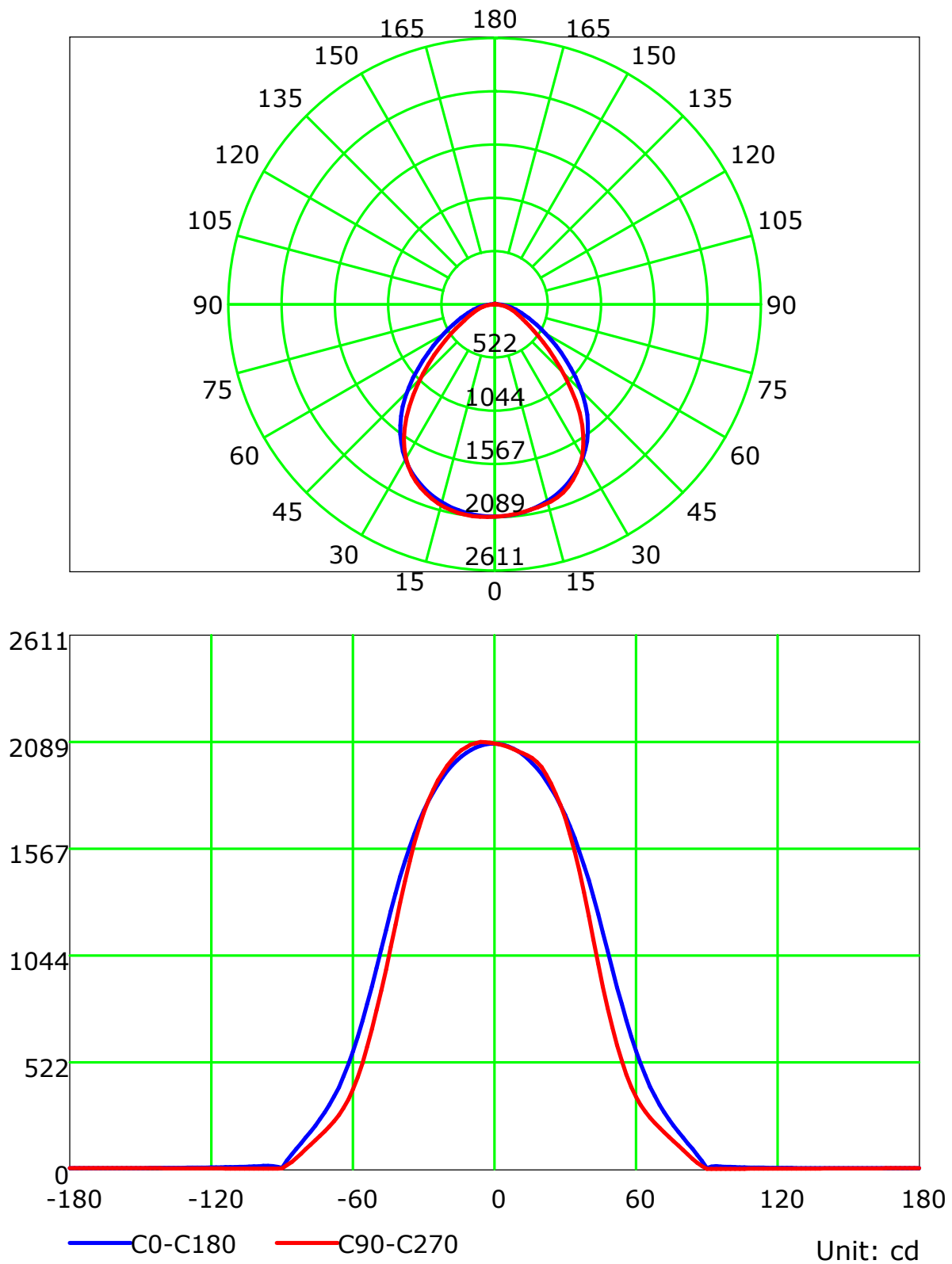
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve



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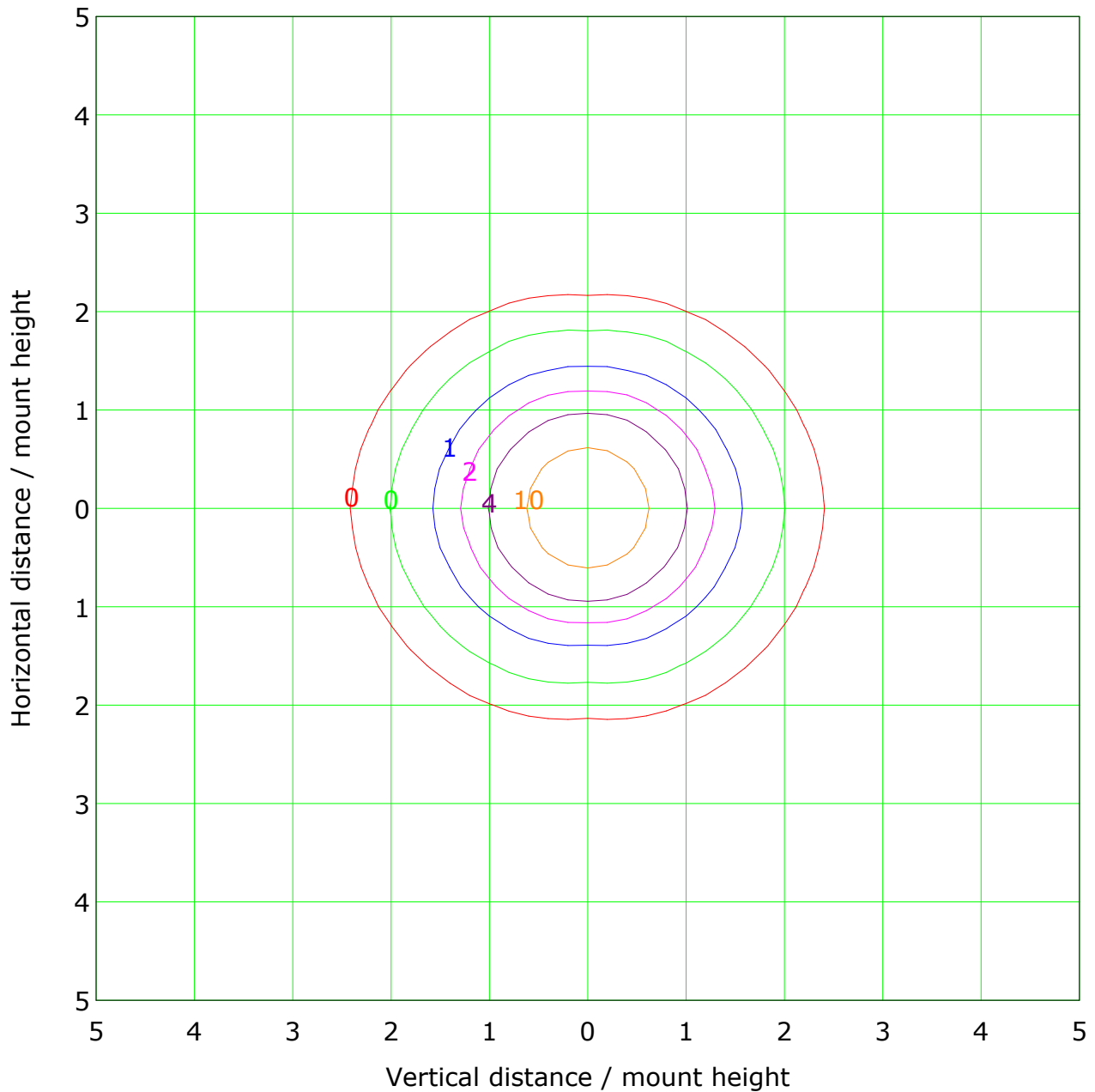
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 20.8 lx

(1%): 0.2 lx	(2%): 0.4 lx
(5%): 1.0 lx	(10%): 2.1 lx
(20%): 4.2 lx	(50%): 10.4 lx
(100%): 20.8 lx	

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Temperature:

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Test Device: LSG-1800B

Distance: 12.654 m

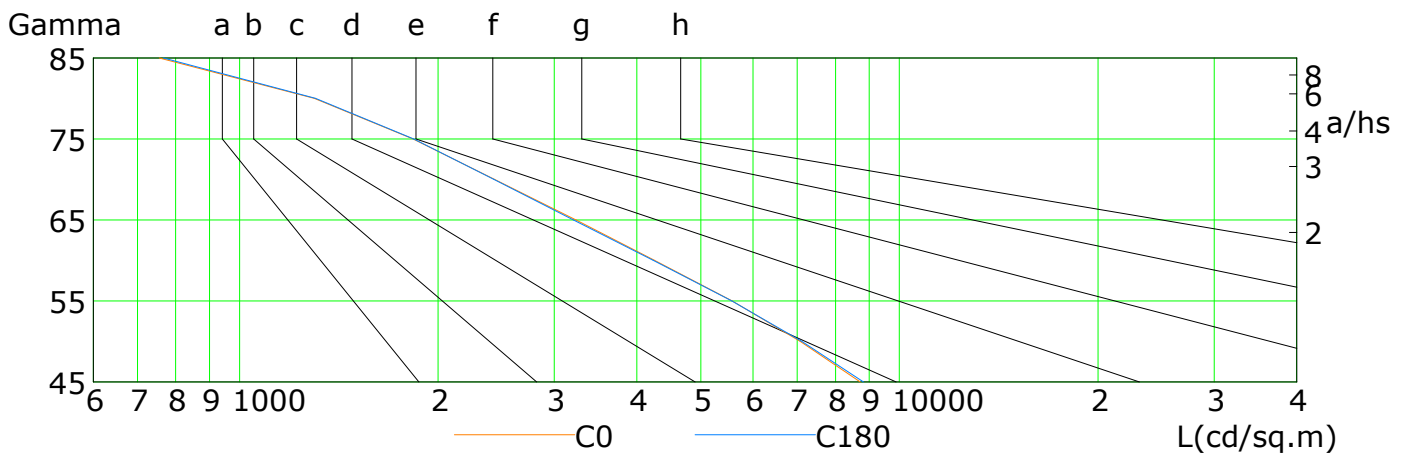
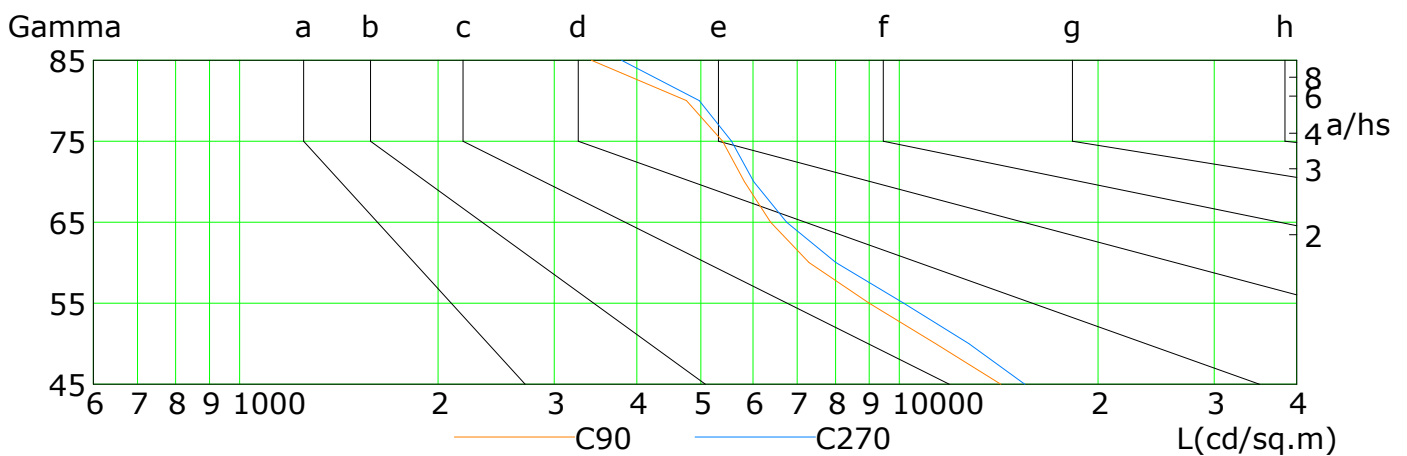
Humidity:

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	8726	7067	5577	4256	3236	2433	1832	1297	756
C90	14243	11338	9003	7291	6382	5825	5393	4757	3412
C180	8823	7109	5576	4232	3208	2427	1835	1303	767
C270	15491	12735	10153	8014	6747	6013	5569	4976	3790

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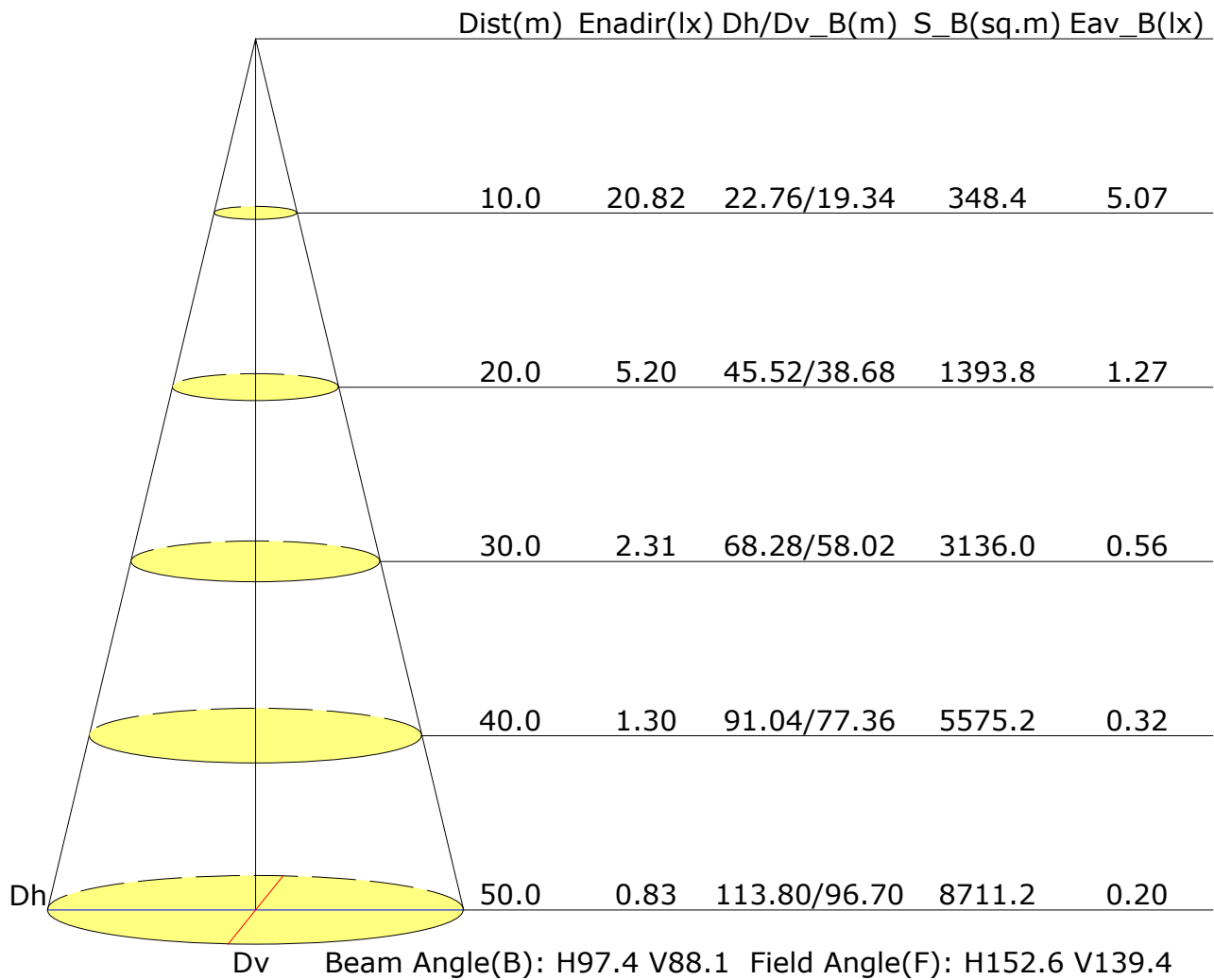
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Illuminance at a Distance



C Plane (°):0.0-360.0: 90.0

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: