

Report No.: 1

Test Time: 04.04.2019 18:48

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FL 60 2x96LED 0,39A 34W 5000K

Lamp Description: LED

Number of Lamps: 1

Luminous Length (mm): 1500 mm

Luminous Width (mm): 60 mm

Luminous Height (mm): 70 mm

Voltage: 221.2 V

Current: 0.158 A

Power: 34.21 W

Power Factor: 0.984

Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 5022.4 lm

Measurement Flux: 5022.4 lm

Efficiency: 100%

Downward Ratio: 99%

Upward Ratio: 1%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 156.9, 116.6, 134.5, 135.6

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 114.7, 109.1, 113.3, 113.4

Luminaire Efficacy Rating (LER): 146.86

Central Intensity: 1895.33 cd

Max. Intensity: 1901.15 cd

Pos of Max. Intensity: H300 V2

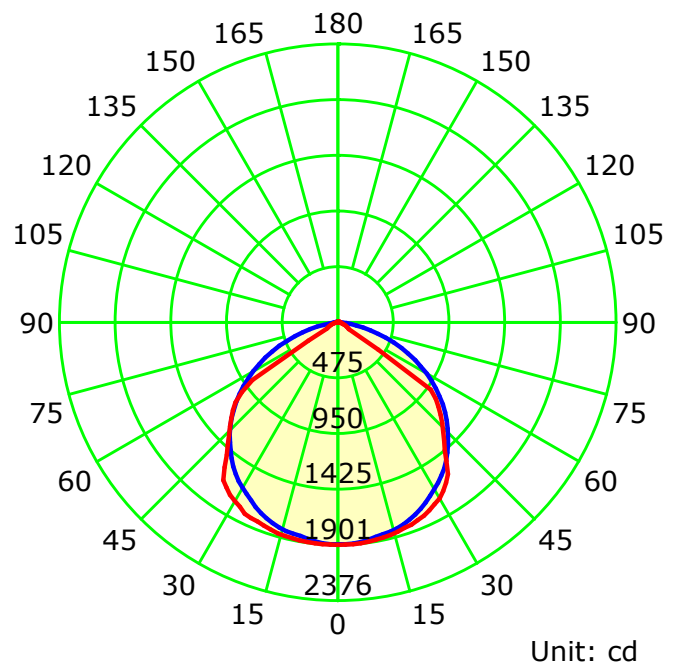
S/MH(C0/C180): 1.29

S/MH(C90/C270): 1.36

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 10.0

Gamma Plane (°):0.0-180.0:2.0

Test Lab:

Test Device: LSG-1800B

Test Type: TYPE C

Distance: 12.654 m

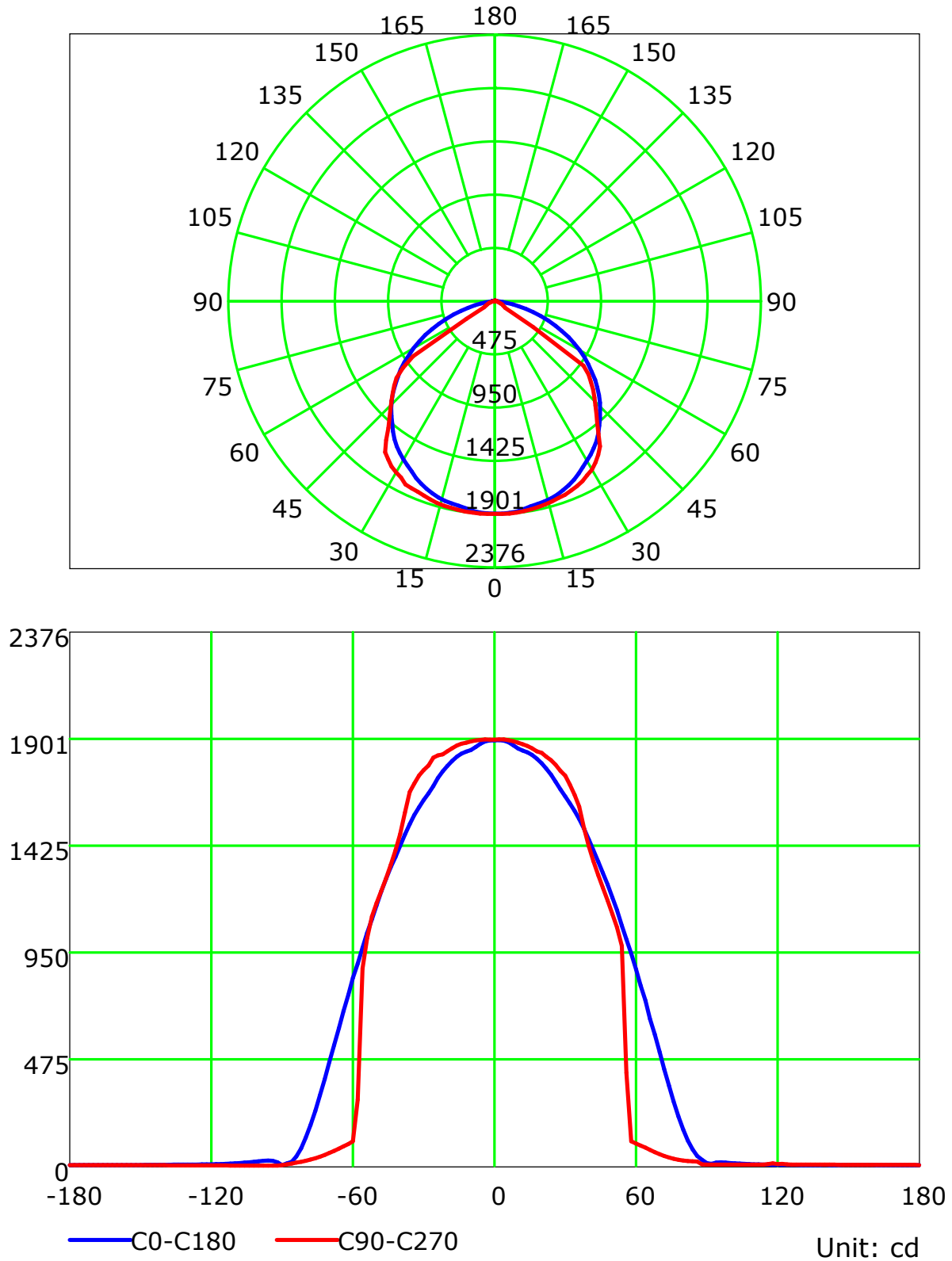
Temperature:

Humidity:

Operator:

Inspector:

Luminous Intensity Distribution Curve



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Test Lab:

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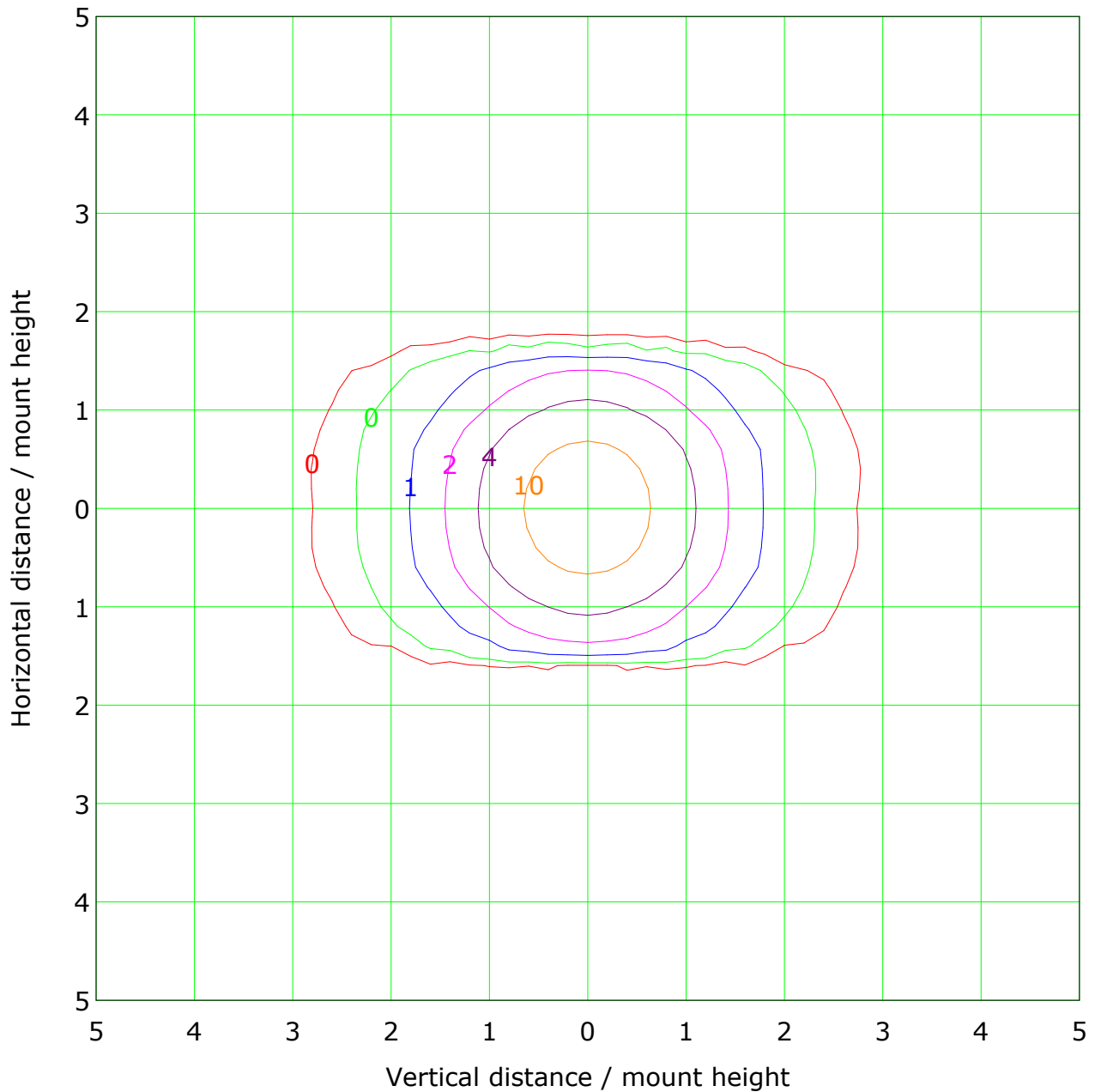
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 19.0 lx

(1%): 0.2 lx	(2%): 0.4 lx
(5%): 1.0 lx	(10%): 1.9 lx
(20%): 3.8 lx	(50%): 9.5 lx
(100%): 19.0 lx	

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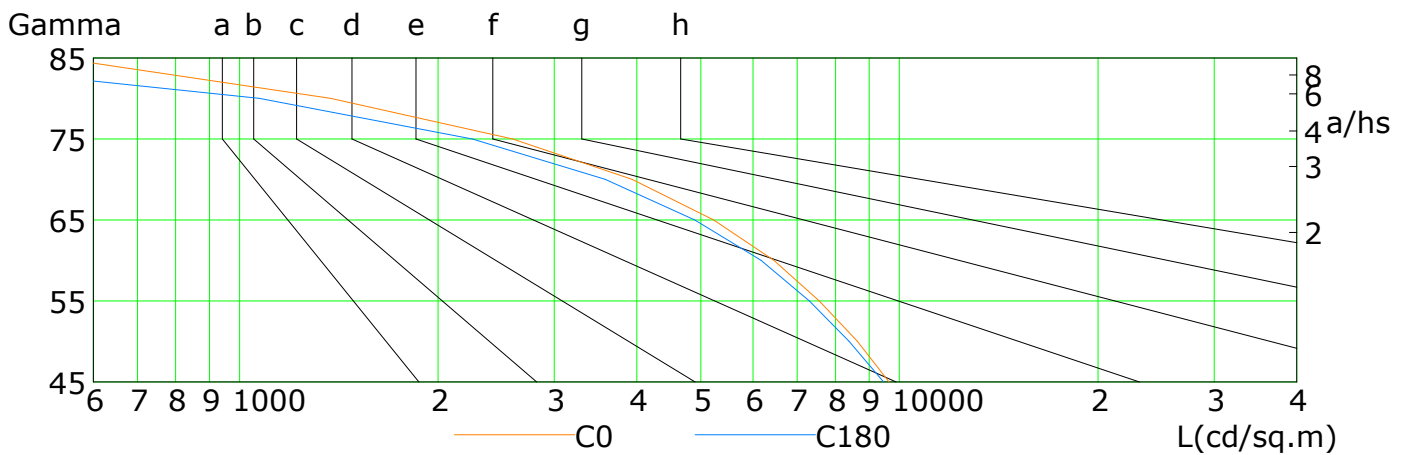
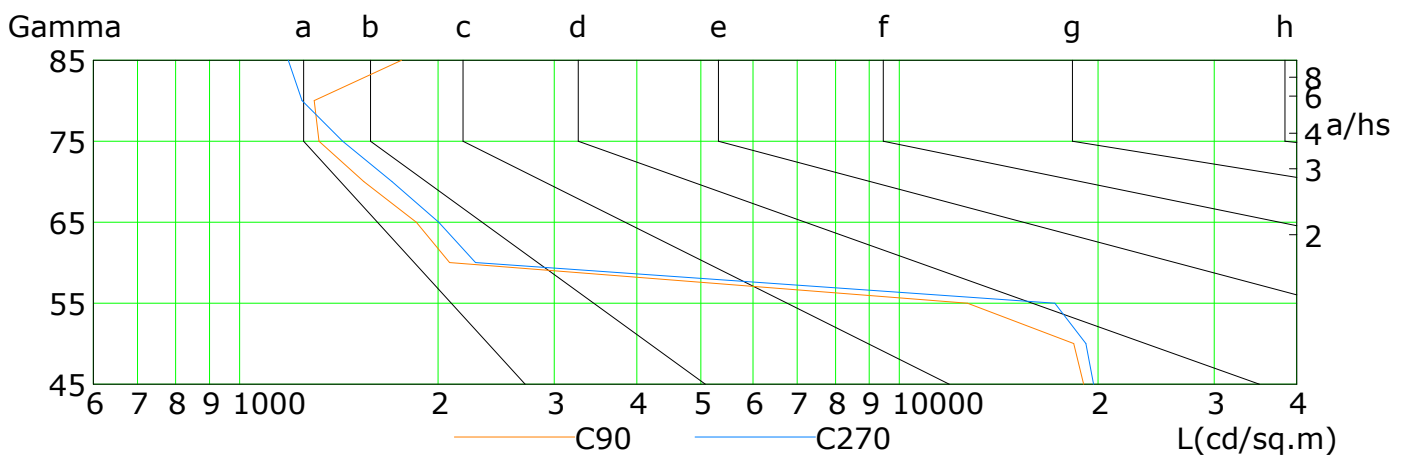
Humidity:

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	9650	8639	7558	6452	5230	3932	2592	1374	535
C90	19030	18366	12678	2082	1852	1543	1320	1297	1760
C180	9463	8390	7307	6167	4899	3581	2254	1071	280
C270	19685	19169	17200	2278	2004	1703	1434	1244	1186

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Temperature:

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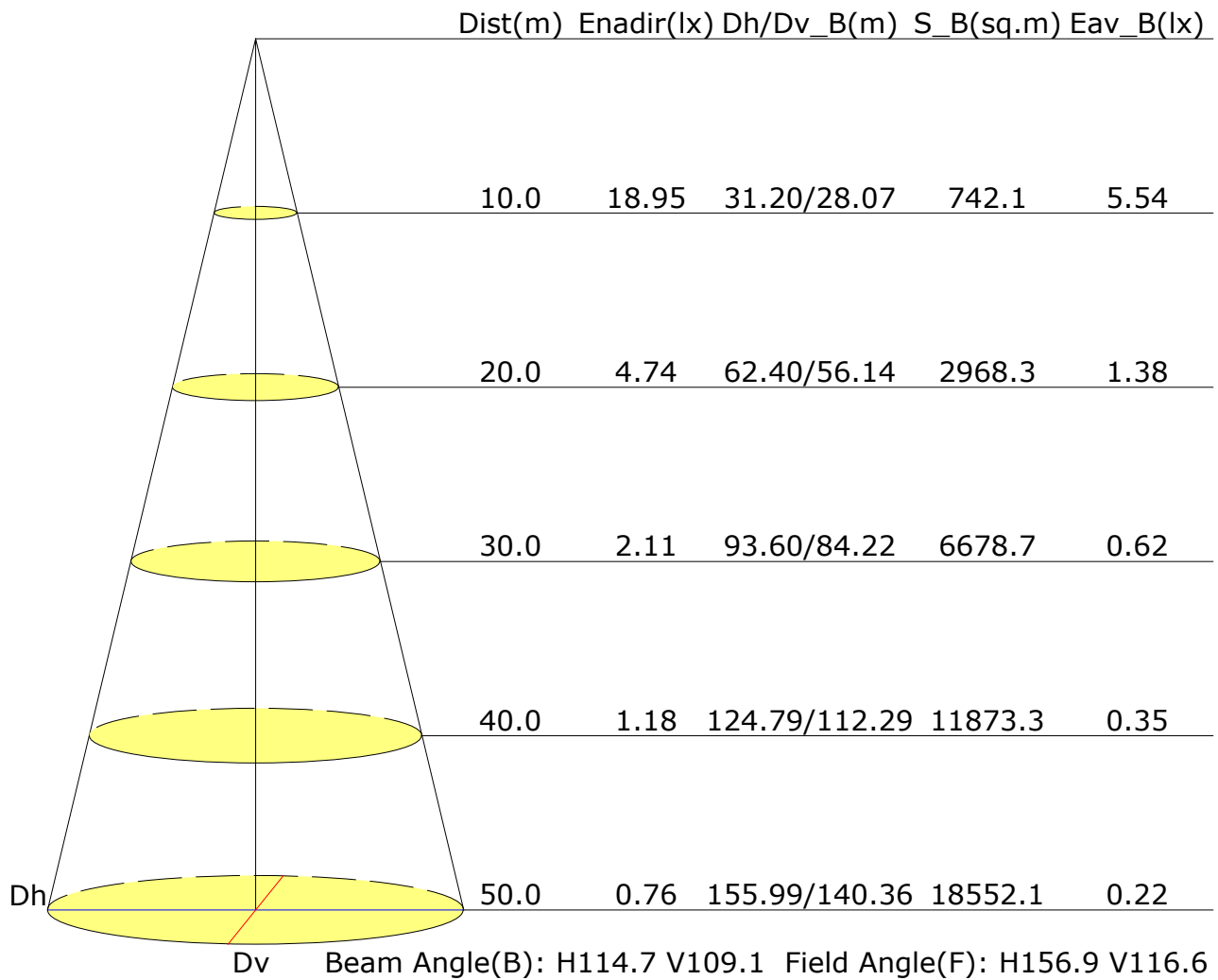
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Illuminance at a Distance



C Plane (°):0.0-360.0: 10.0

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: