

Report No.: 1

Test Time: 02.04.2019 16:39

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FL 60 2x96LED 0,6A 65W 5000K

Lamp Description: LED

Number of Lamps: 1

Luminous Length (mm): 1500 mm

Luminous Width (mm): 60 mm

Luminous Height (mm): 70 mm

Voltage: 220.2 V

Current: 0.302 A

Power: 65.39 W

Power Factor: 0.979

Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 8510.3 lm

Measurement Flux: 8510.3 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): 130.20

Central Intensity: 3211.6 cd

Max. Intensity: 3221.45 cd

Pos of Max. Intensity: H300 V2

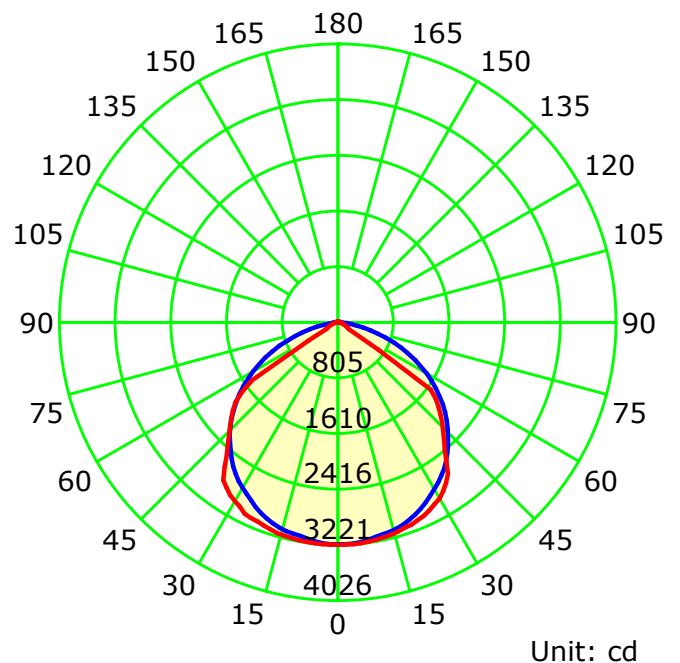
S/MH(C0/C180): 1.29

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

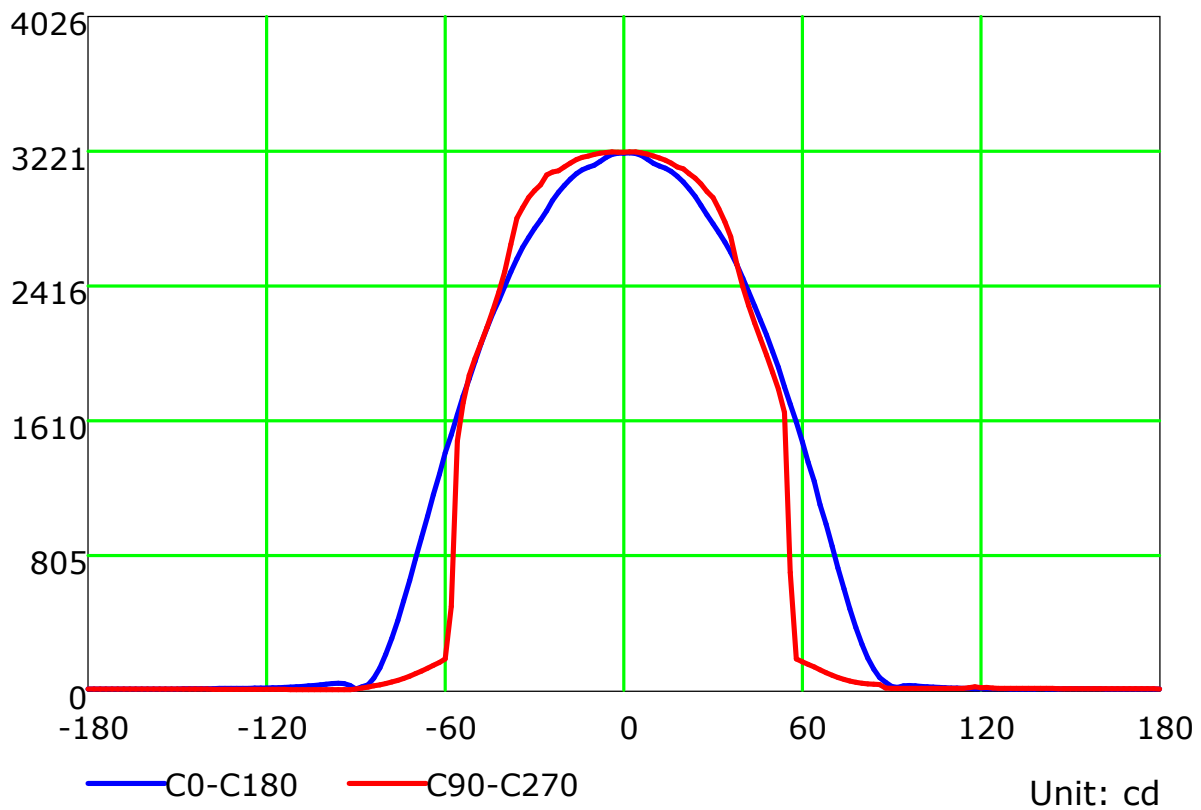
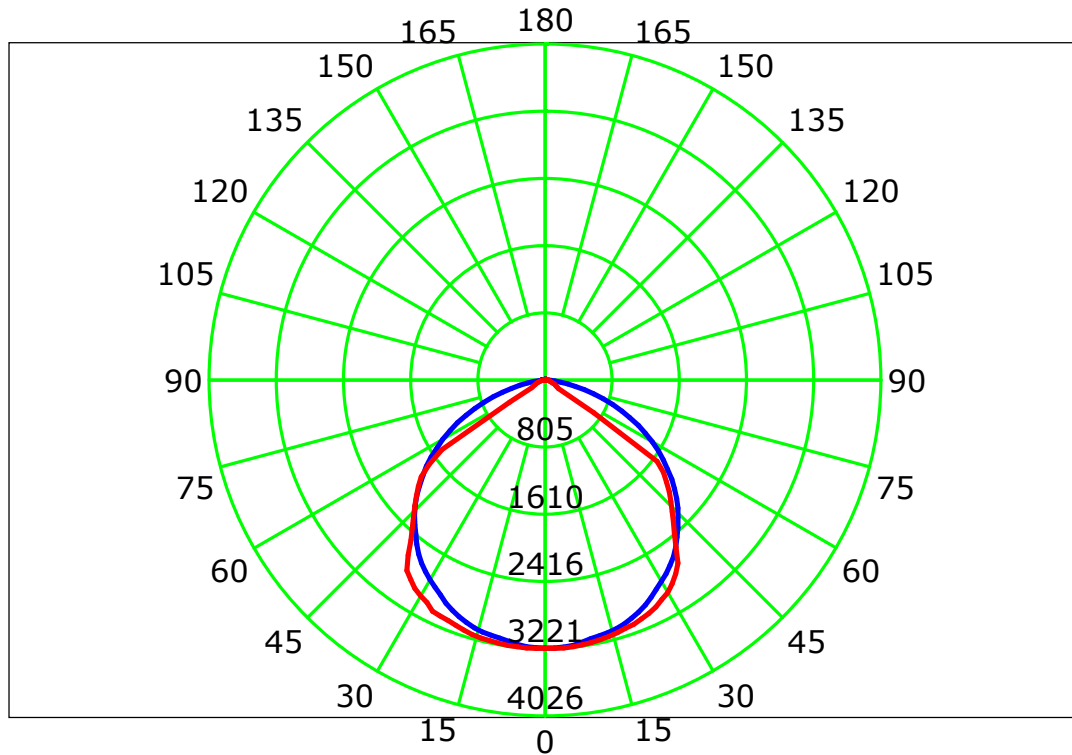
Temperature:

Humidity:

Operator:

Inspector:

Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 10.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

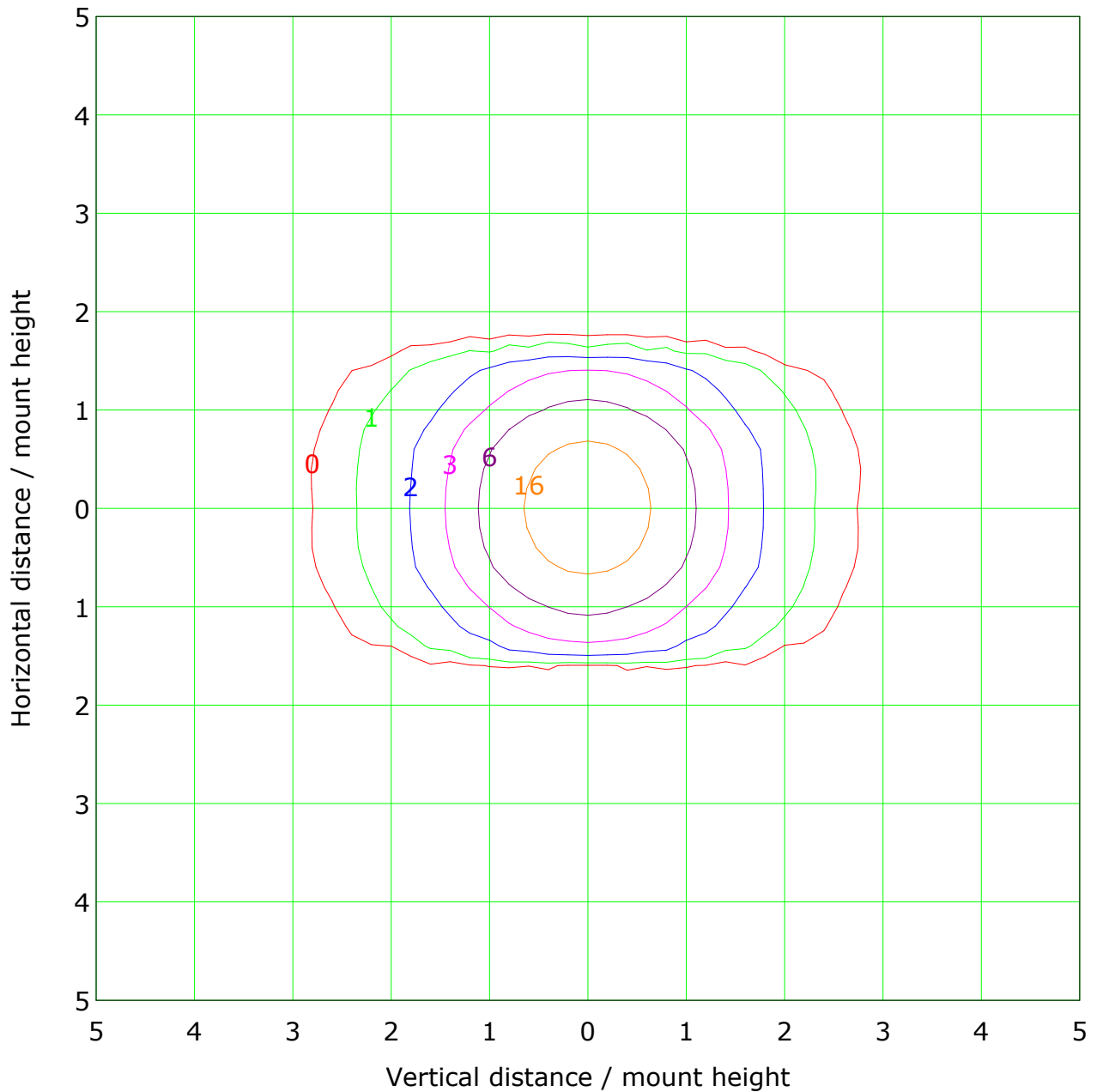
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 32.2 lx

(1%): 0.3 lx	(2%): 0.6 lx
(5%): 1.6 lx	(10%): 3.2 lx
(20%): 6.4 lx	(50%): 16.1 lx
(100%): 32.2 lx	

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

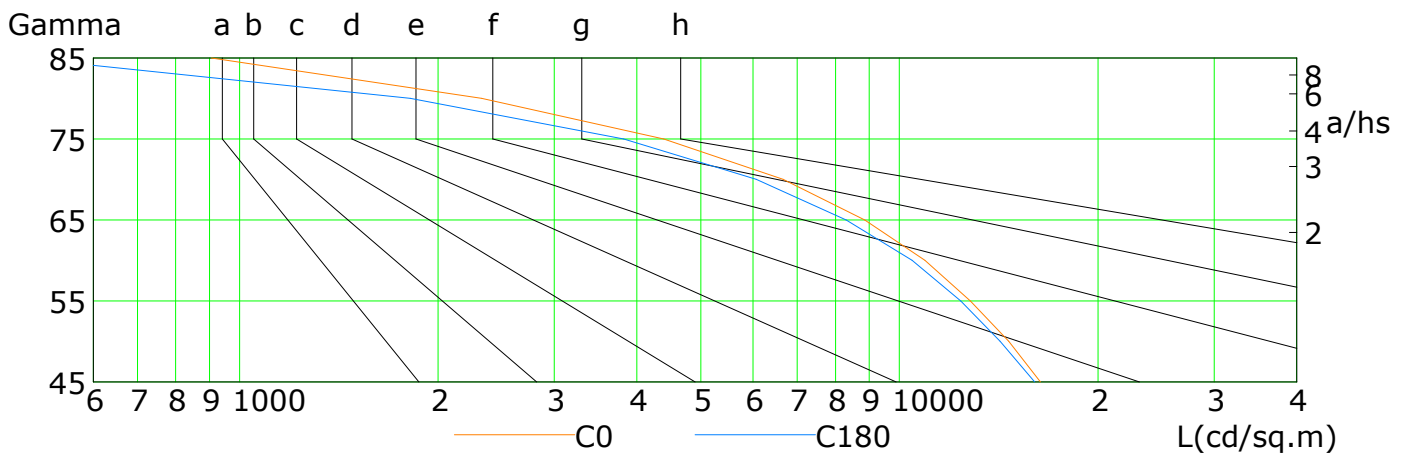
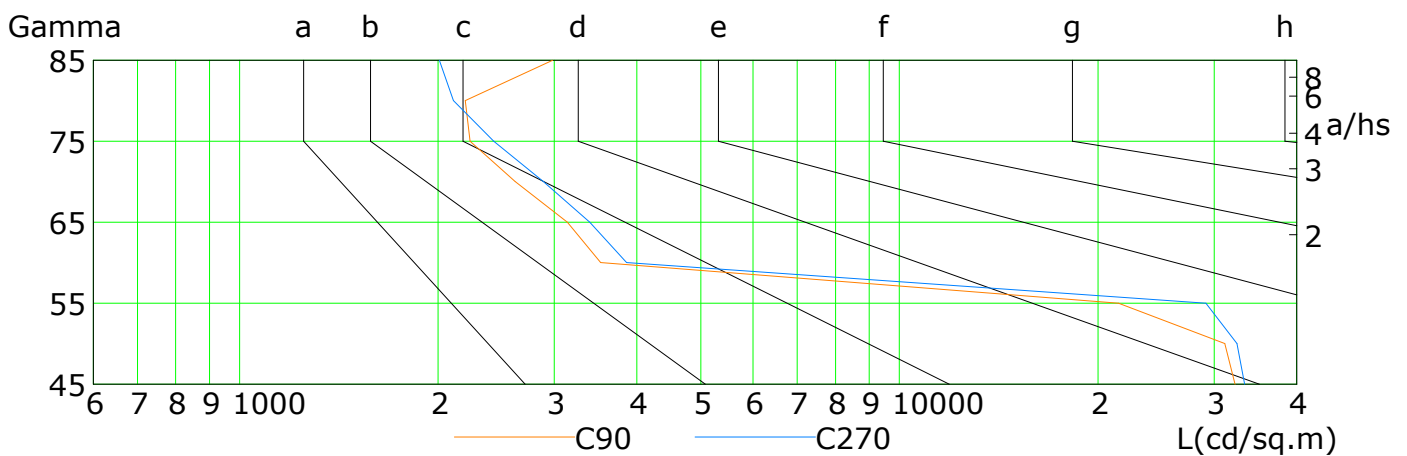
Humidity:

Inspector:

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	16351	14639	12807	10933	8862	6662	4393	2328	906
C90	32247	31121	21482	3527	3139	2615	2237	2197	2982
C180	16035	14217	12381	10449	8301	6067	3820	1814	474
C270	33356	32482	29145	3860	3396	2885	2429	2108	2008

C Plane (°):0.0-360.0: 10.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

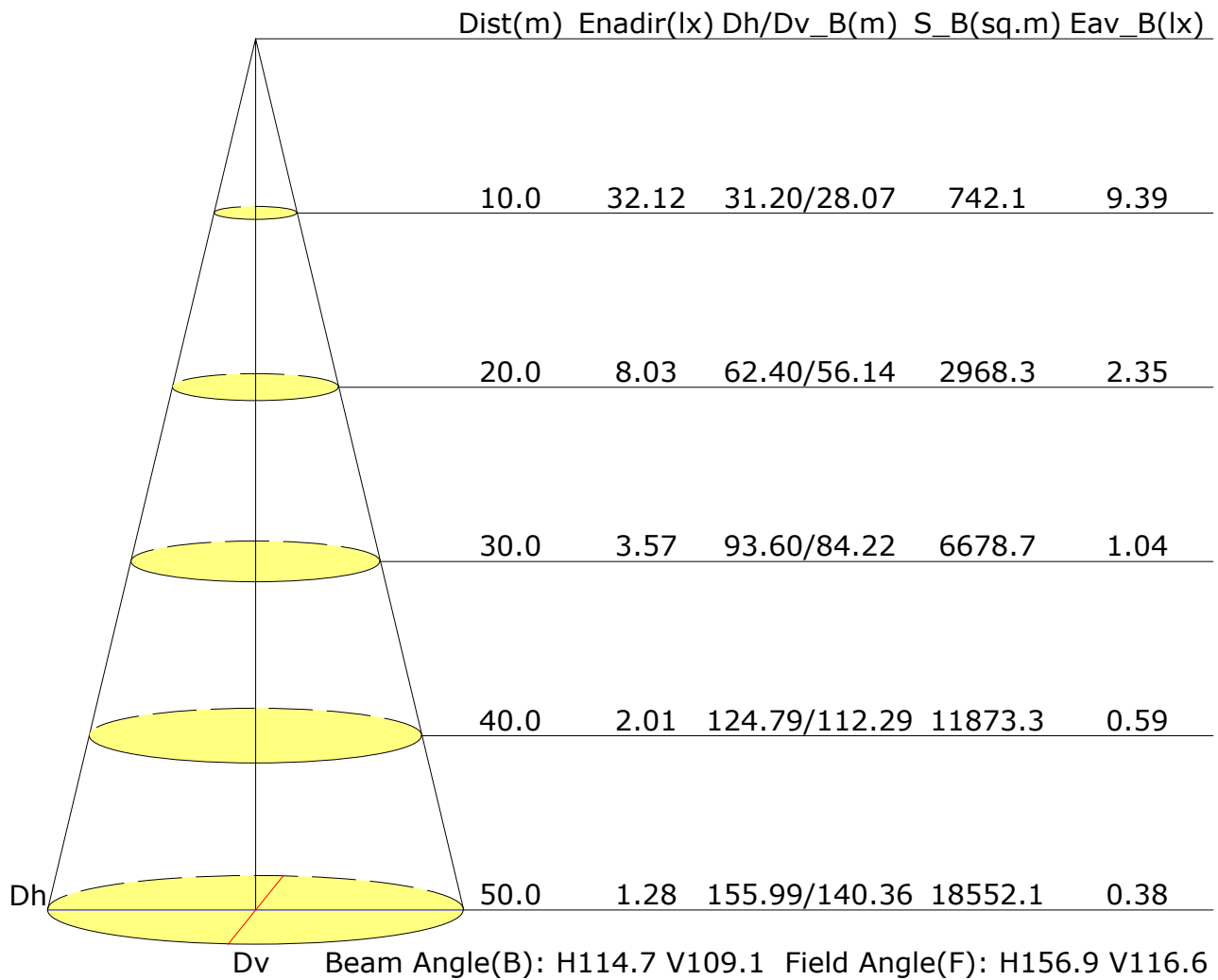
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

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: