

Report No.: 1

Test Time: 02.04.2019 16:39

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FL 60 2x96LED 0,7A 72W 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: 0.331 A

Power: 71.79 W

Power Factor: 0.973

Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 9182.6 lm

Measurement Flux: 9182.6 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): 127.96

Central Intensity: 3465.32 cd

Max. Intensity: 3475.94 cd

Pos of Max. Intensity: H300 V2

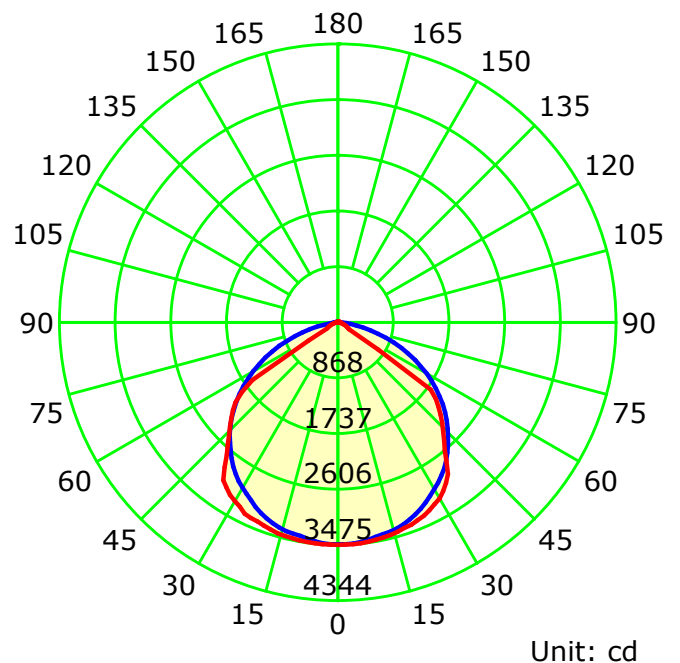
S/MH(C0/C180): 1.29

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

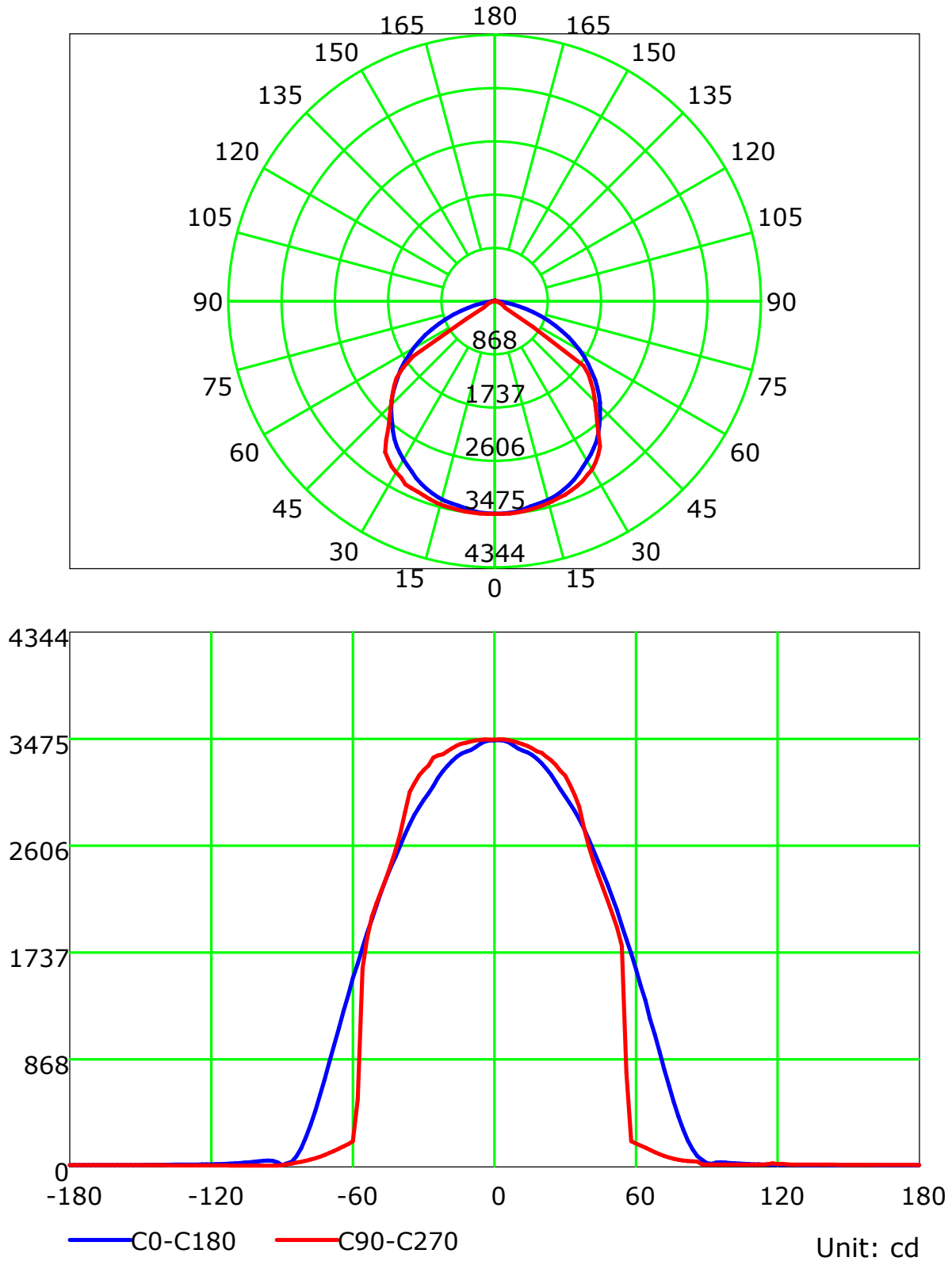
Temperature:

Humidity:

Operator:

Inspector:

Luminous Intensity Distribution Curve



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Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

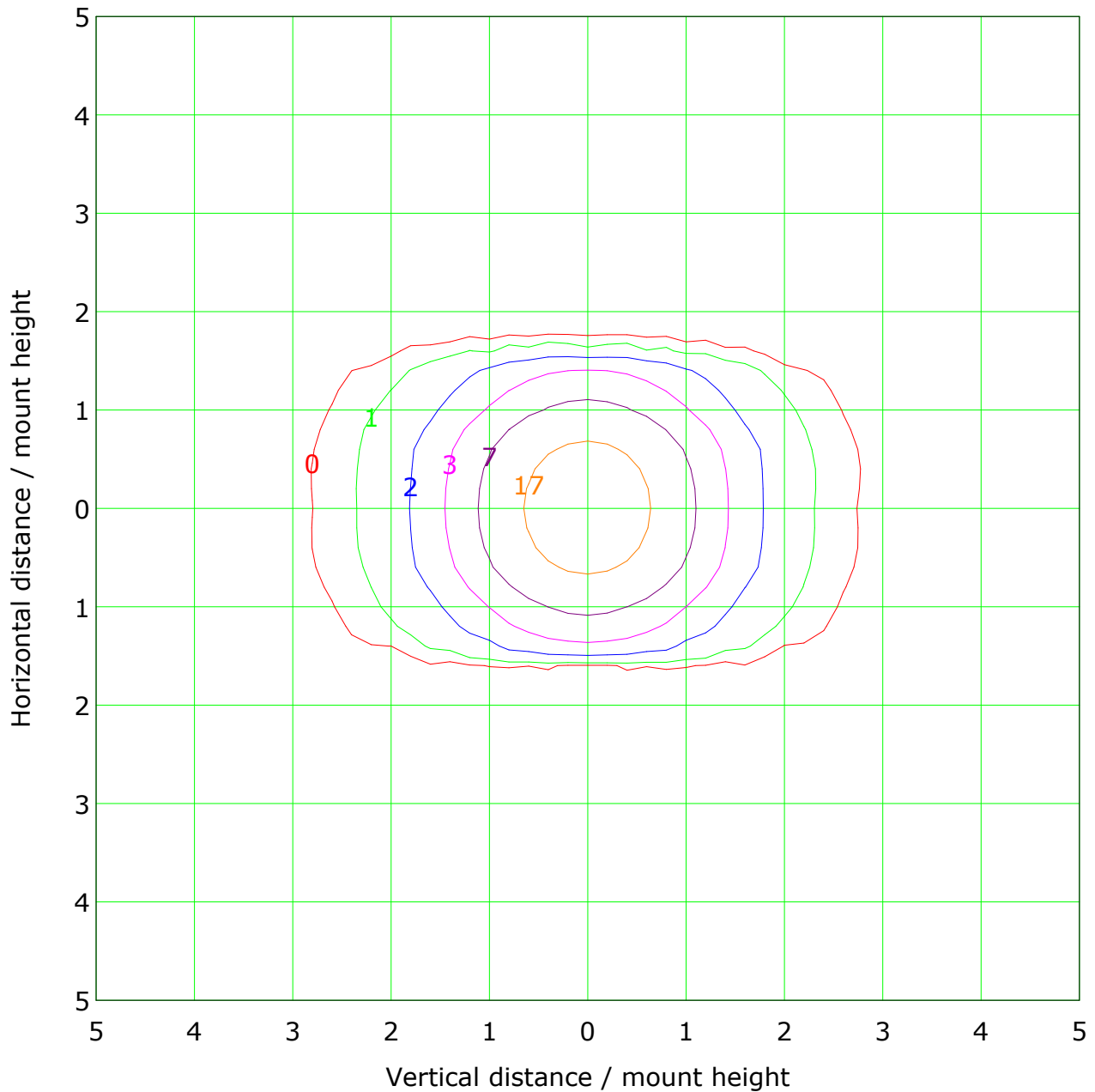
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 34.8 lx

(1%): 0.3 lx	(2%): 0.7 lx
(5%): 1.7 lx	(10%): 3.5 lx
(20%): 7.0 lx	(50%): 17.4 lx
(100%): 34.8 lx	

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Gamma Plane (°):0.0-180.0:2.0

Test Device: LSG-1800B

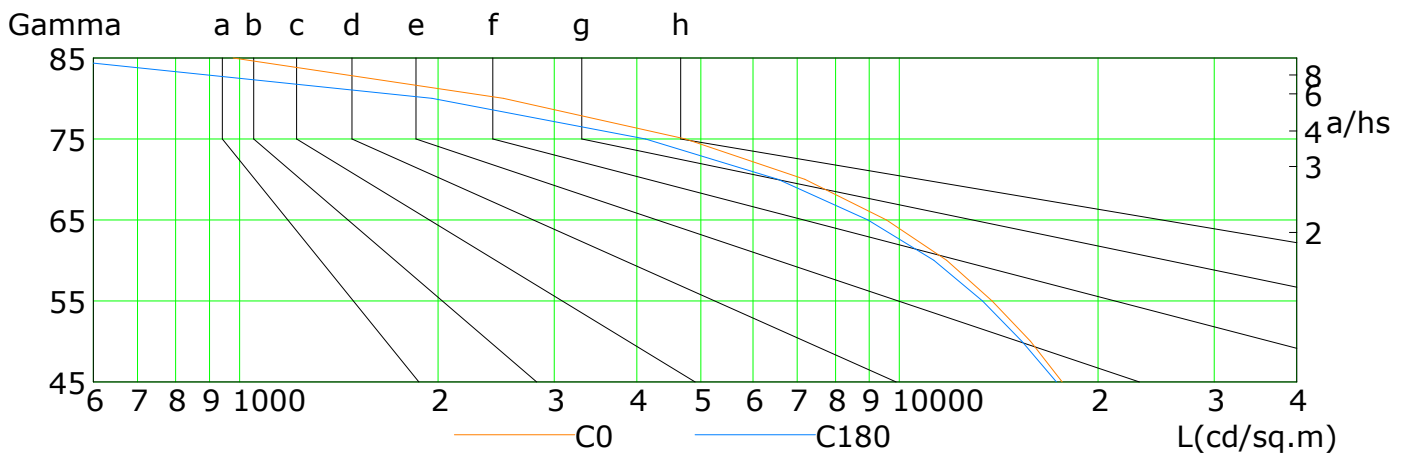
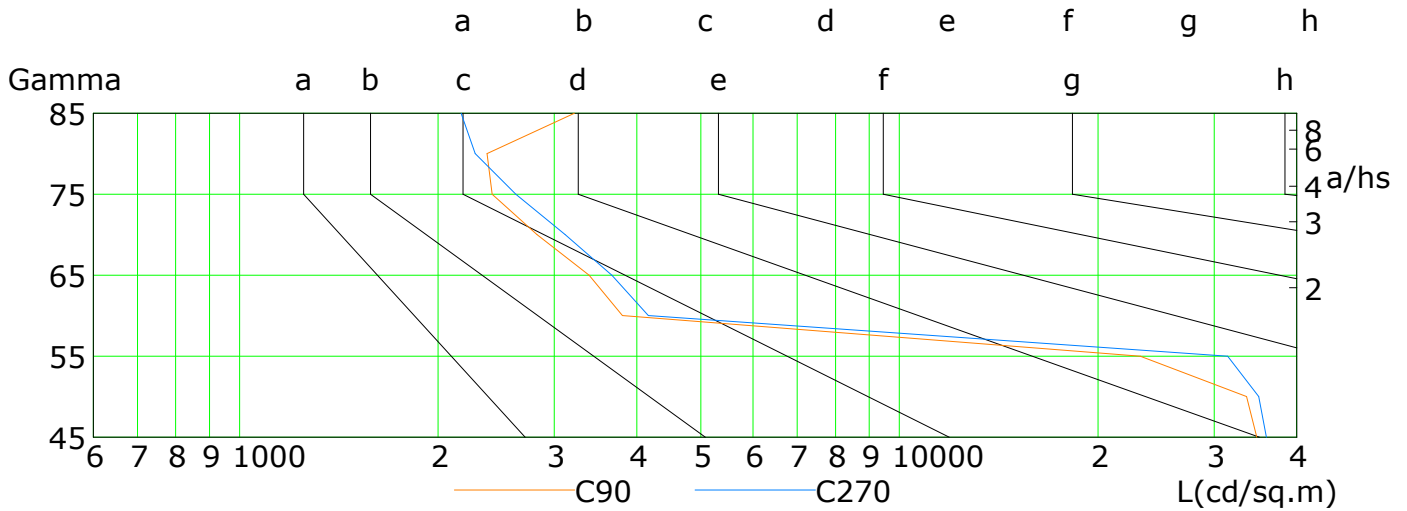
Distance: 12.654 m

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



L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	17643	15796	13819	11797	9562	7189	4740	2512	978
C90	34794	33580	23179	3806	3387	2822	2413	2371	3218
C180	17302	15341	13359	11274	8957	6547	4121	1958	511
C270	35991	35048	31447	4165	3664	3113	2621	2275	2167

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Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

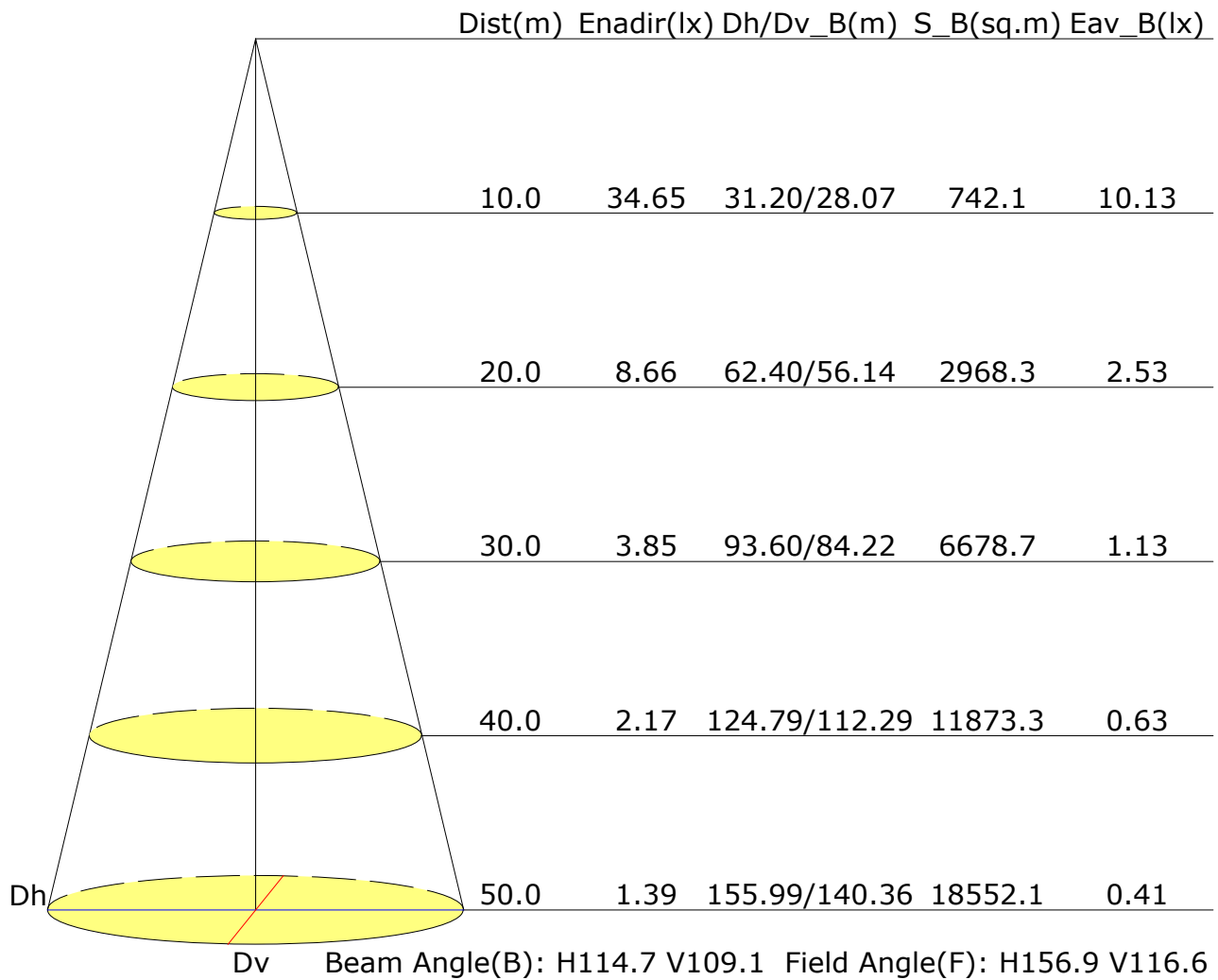
Test Device: LSG-1800B

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: