

Report No.: 1

Test Time: 30.03.2019 11:48

## Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FL 60 2x96LED 0,45A 45W 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: 0.202 A

Power: 44.29 W

Power Factor: 0.989

## Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 5495.1 lm

Measurement Flux: 5495.1 lm

Efficiency: 100%

Downward Ratio: 97%

Upward Ratio: 3%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 160.8, 162.1, 149.0, 148.9

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 76.8, 75.5, 75.0, 75.1

Luminaire Efficacy Rating (LER): 124.12

Central Intensity: 2832.53 cd

Max. Intensity: 2832.54 cd

Pos of Max. Intensity: H0 V0

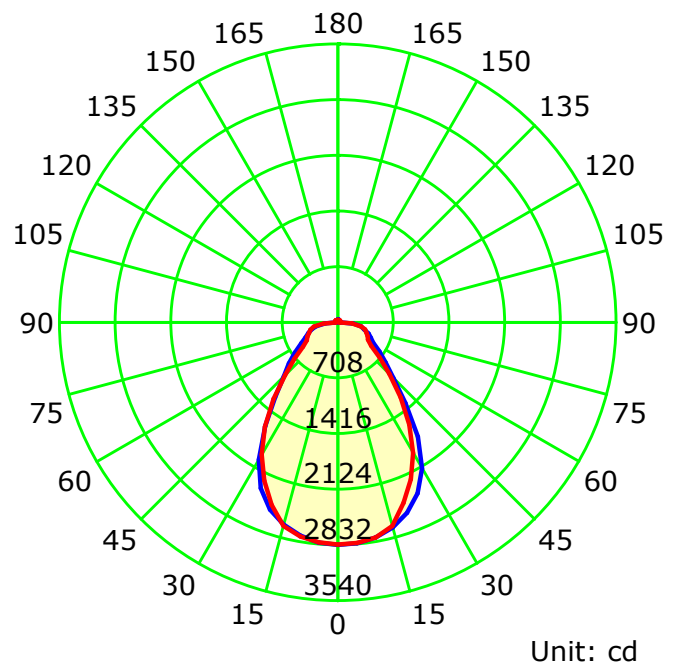
S/MH(C0/C180): 1.12

S/MH(C90/C270): 1.06

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180    — C90-C270

C Plane (°):0.0-360.0: 22.5

Gamma Plane (°):0.0-180.0:5.0

Test Lab:

Test Device: LSG-1800B

Test Type: TYPE C

Distance: 12.654 m

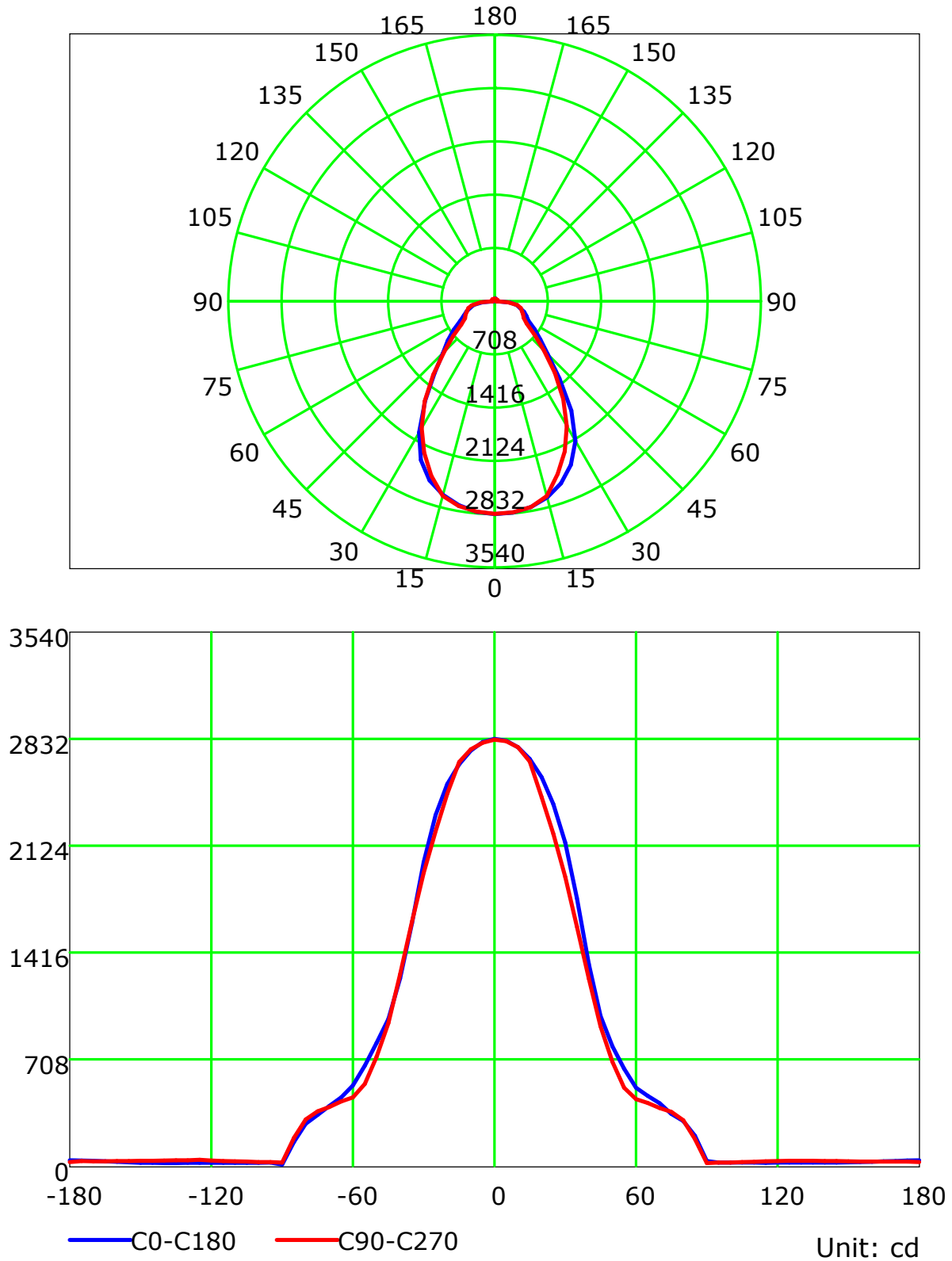
Temperature:

Humidity:

Operator:

Inspector:

## Luminous Intensity Distribution Curve



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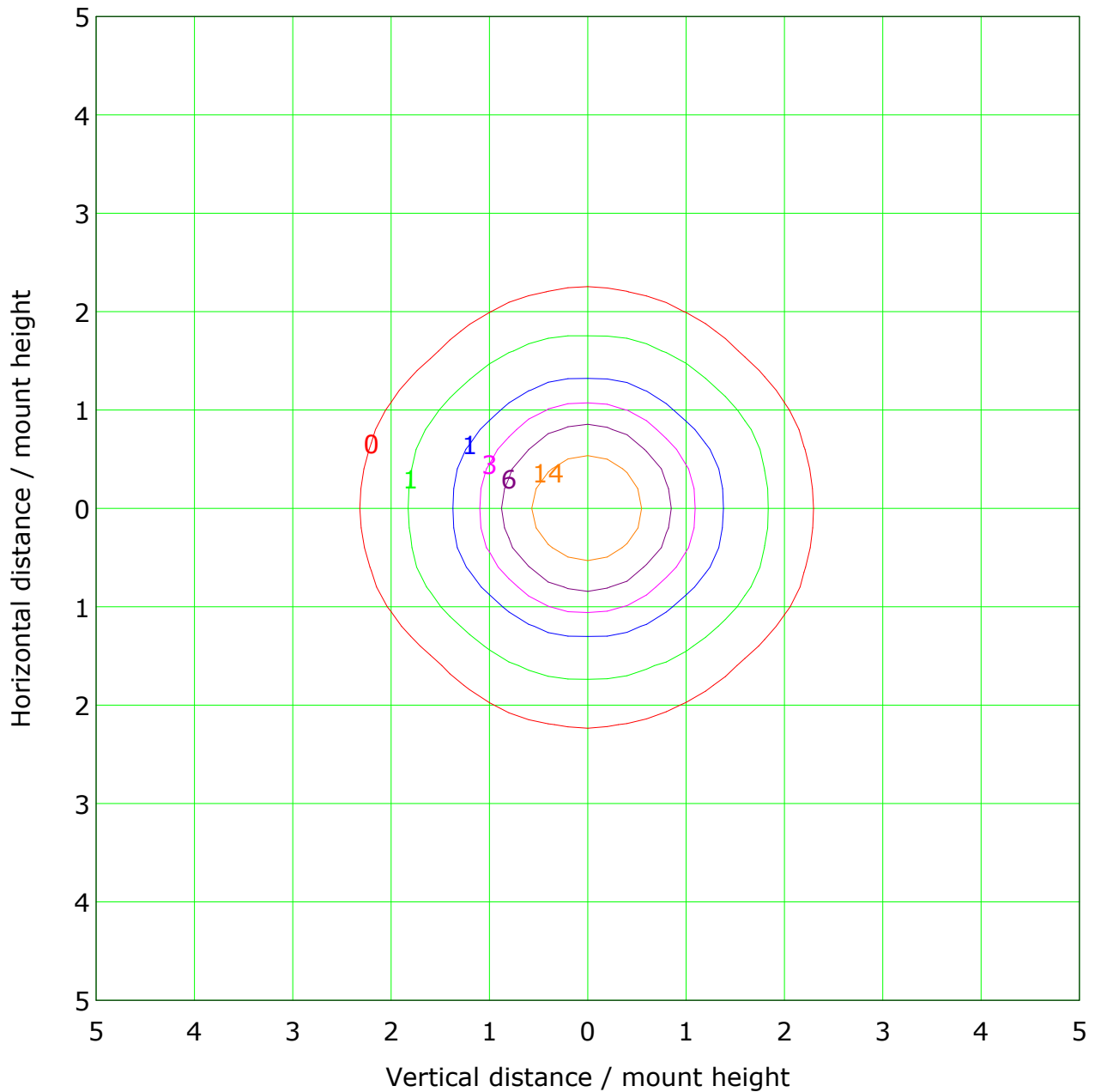
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

## IsoLux Plot



Mounting Height: 10.0m    Max Lux(100%): 28.3 lx

( 1%): 0.3 lx	( 2%): 0.6 lx
( 5%): 1.4 lx	( 10%): 2.8 lx
( 20%): 5.7 lx	( 50%): 14.2 lx
(100%): 28.3 lx	

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Temperature:

Operator:

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Test Device: LSG-1800B

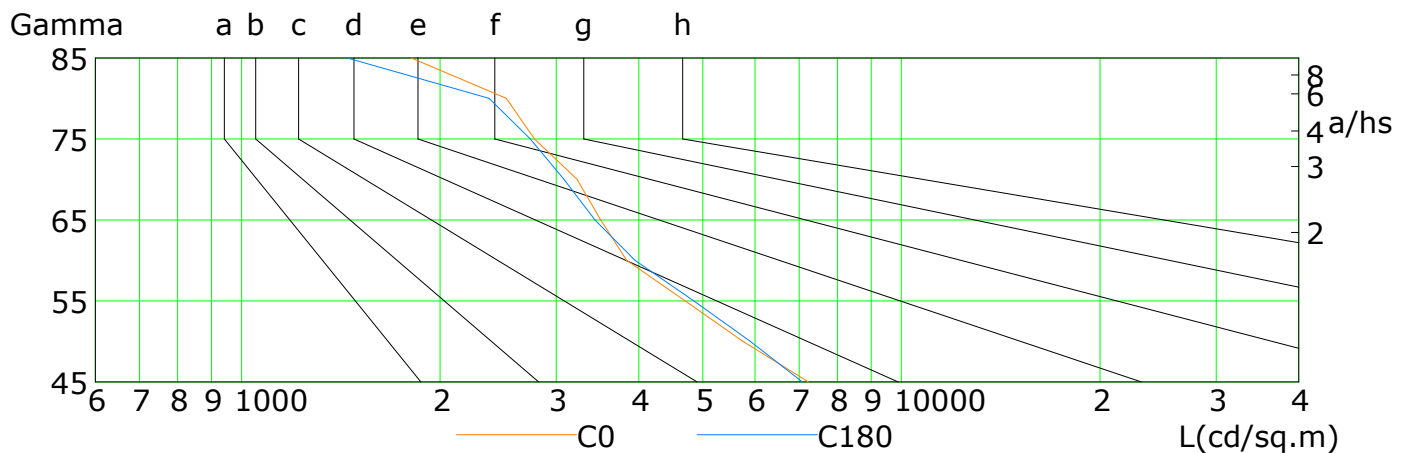
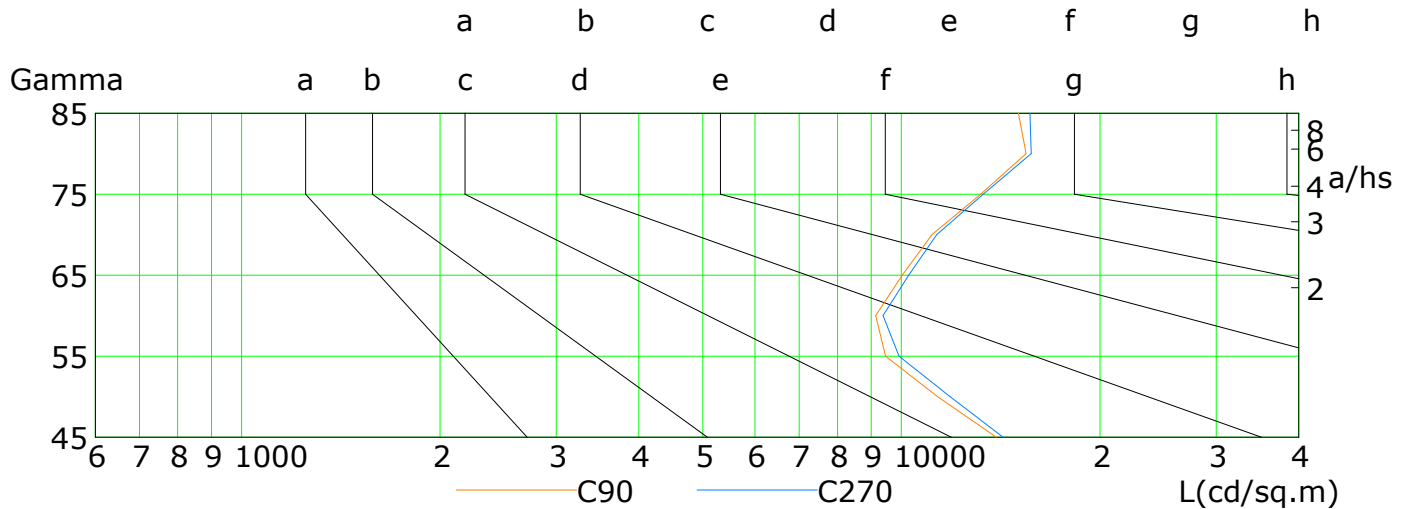
Distance: 12.654 m

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



L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	7232	5753	4701	3832	3502	3225	2780	2520	1808
C90	13924	11345	9464	9146	10034	11130	13182	15456	15045
C180	7079	5902	4849	3946	3433	3080	2738	2371	1446
C270	14260	11847	9920	9376	10260	11313	13304	15726	15669

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Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:5.0

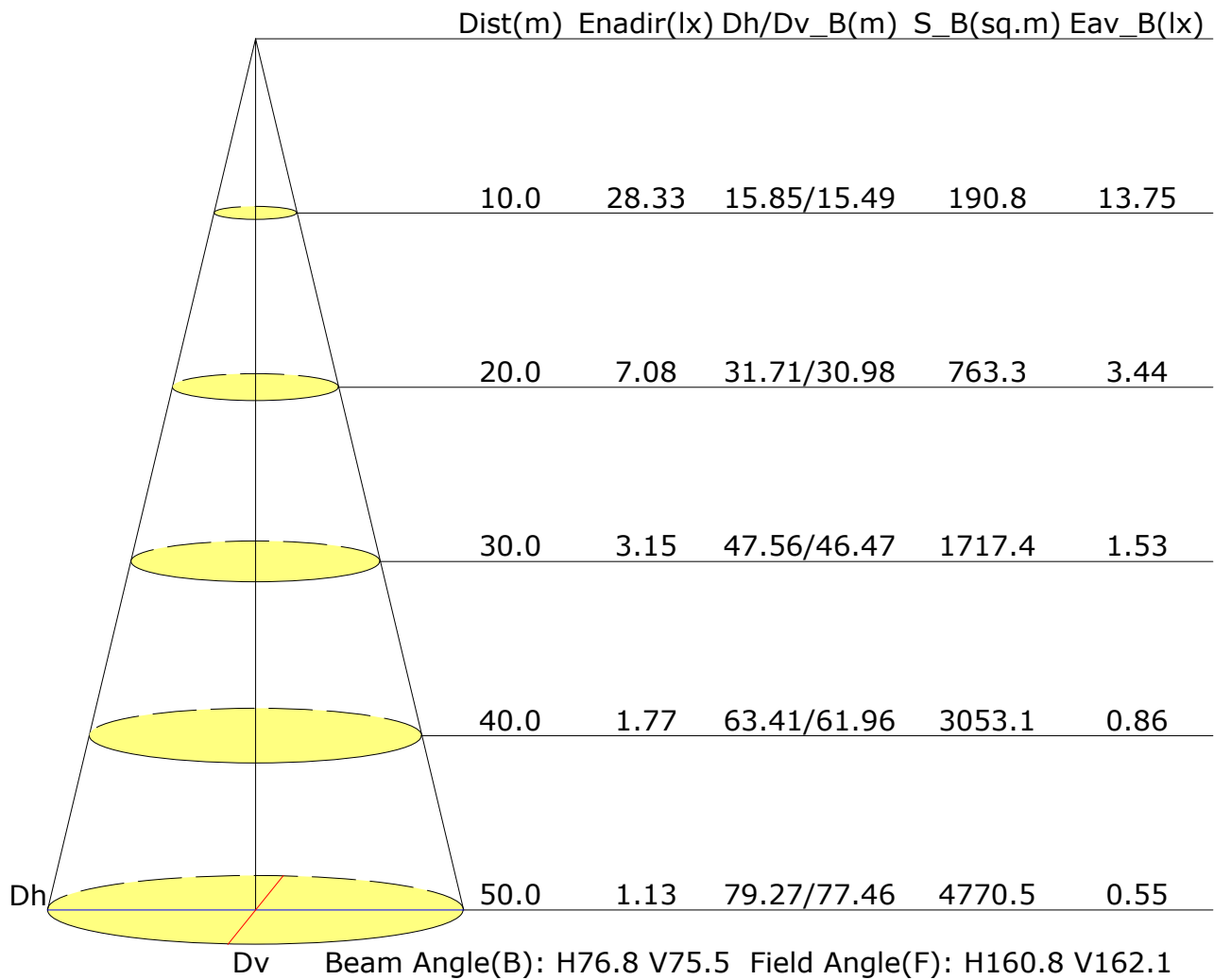
Test Device: LSG-1800B

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 (°):0.0-180.0:5.0

Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector: