

Report No.: 1

Test Time: 16.04.2019 11:16

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FL 1500 2x60LED 0,3A 27W 5000K

Lamp Description: LED

Luminous Width (mm): 115

Voltage: 221.3 V

Power: 30.03 W

Luminous Length (mm): 1500

Luminous Height (mm): 64

Current: 0.139 A

Power Factor: 0.976

Photometric Results

CIE Class: Direct

Measurement Flux: 3971.9 lm

Downward Ratio: 99%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 160.4, 161.0, 152.8, 152.2

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 80.3, 83.9, 78.7, 78.6

Luminaire Efficacy Rating (LER): 132.31

Max. Intensity: 1944.62 cd

S/MH(C0/C180): 1.16

Total Rated Lamp Lumens: 3971.9 lm

Efficiency: 100%

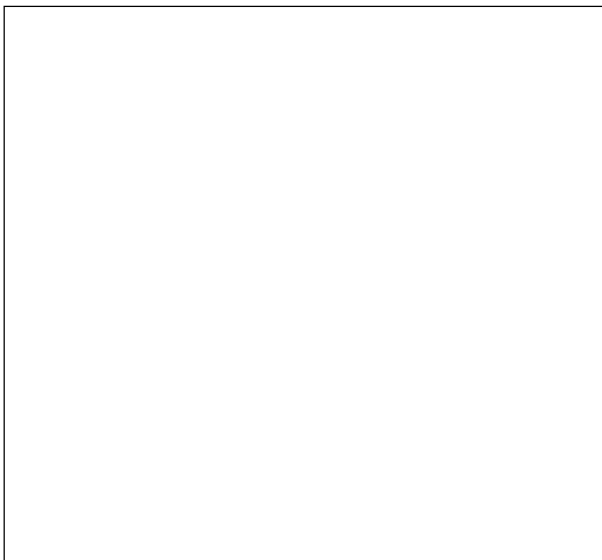
Upward Ratio: 1%

Central Intensity: 1935.2 cd

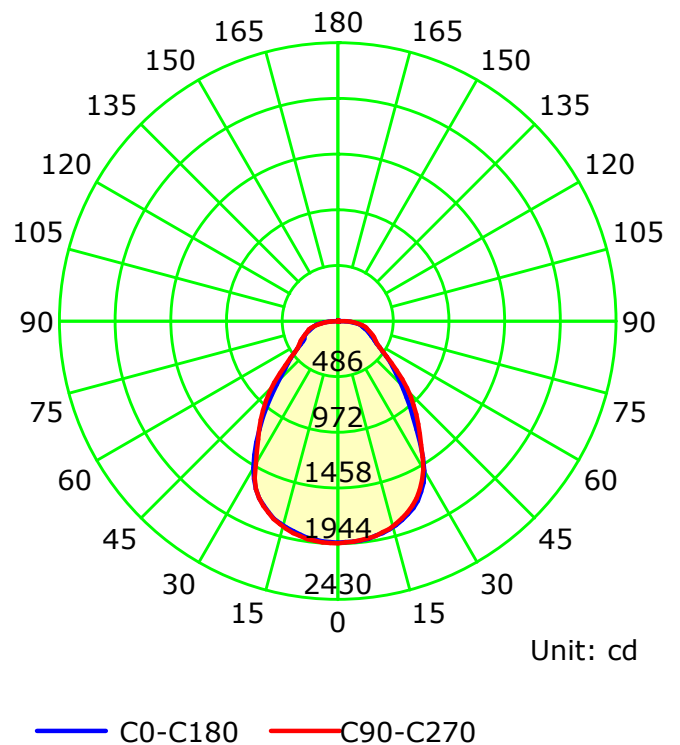
Pos of Max. Intensity: H337.5 V2

S/MH(C90/C270): 1.14

Picture Of Luminaire



Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

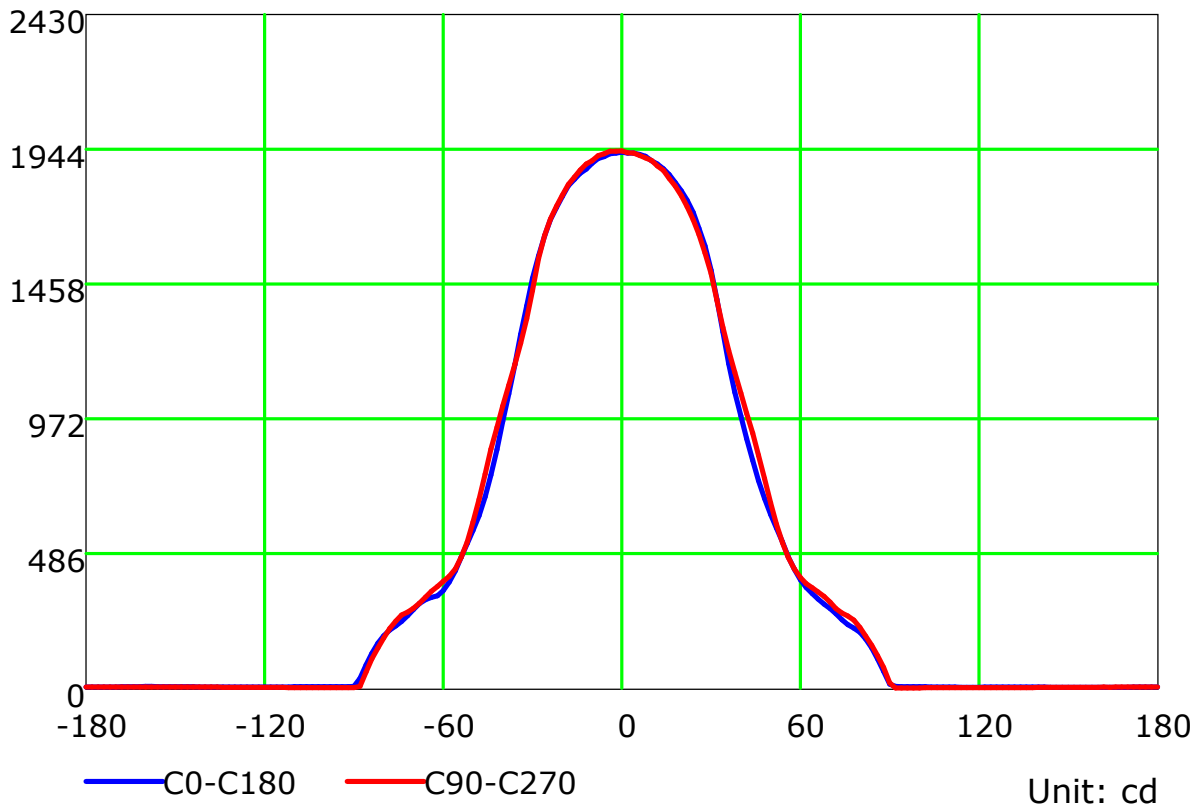
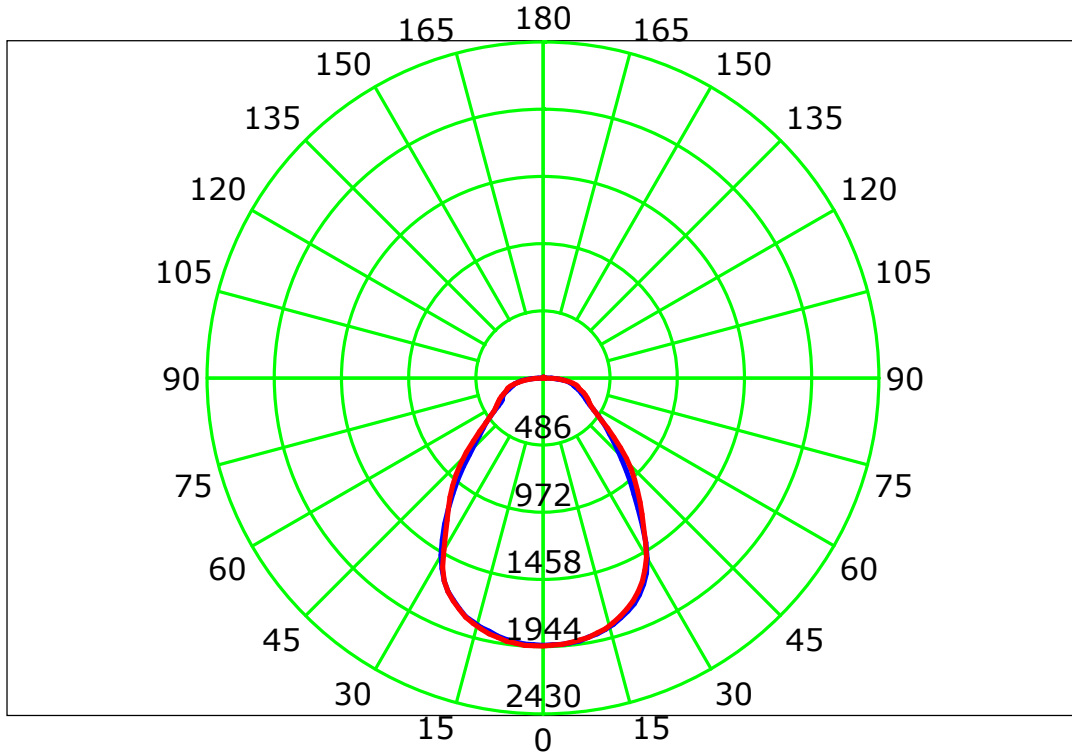
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

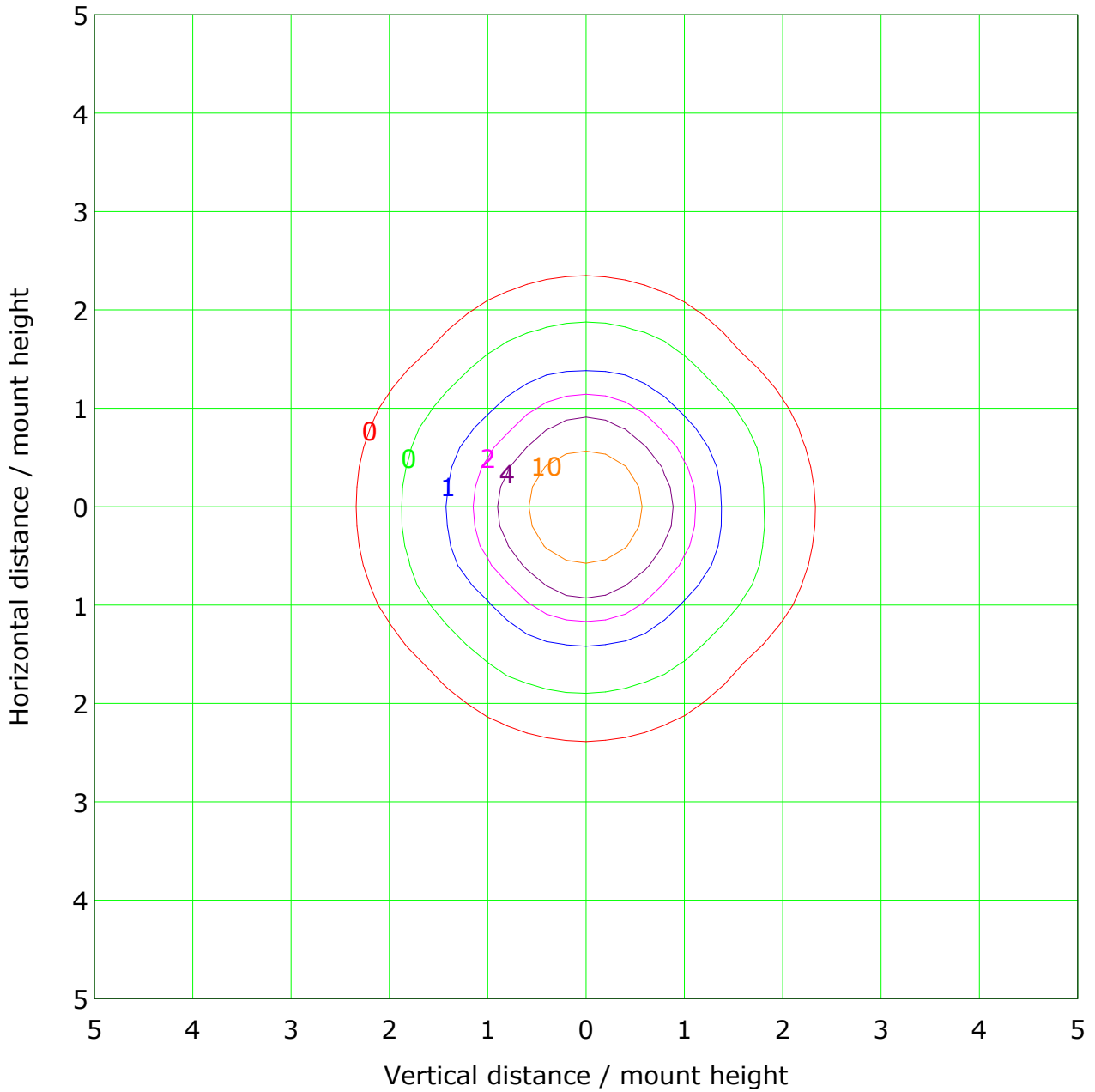
Luminous Intensity Distribution Curve



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IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 19.4 lx	
— (1%):	0.2 lx	— (2%):	0.4 lx
— (5%):	1.0 lx	— (10%):	1.9 lx
— (20%):	3.9 lx	— (50%):	9.7 lx
— (100%):	19.4 lx		

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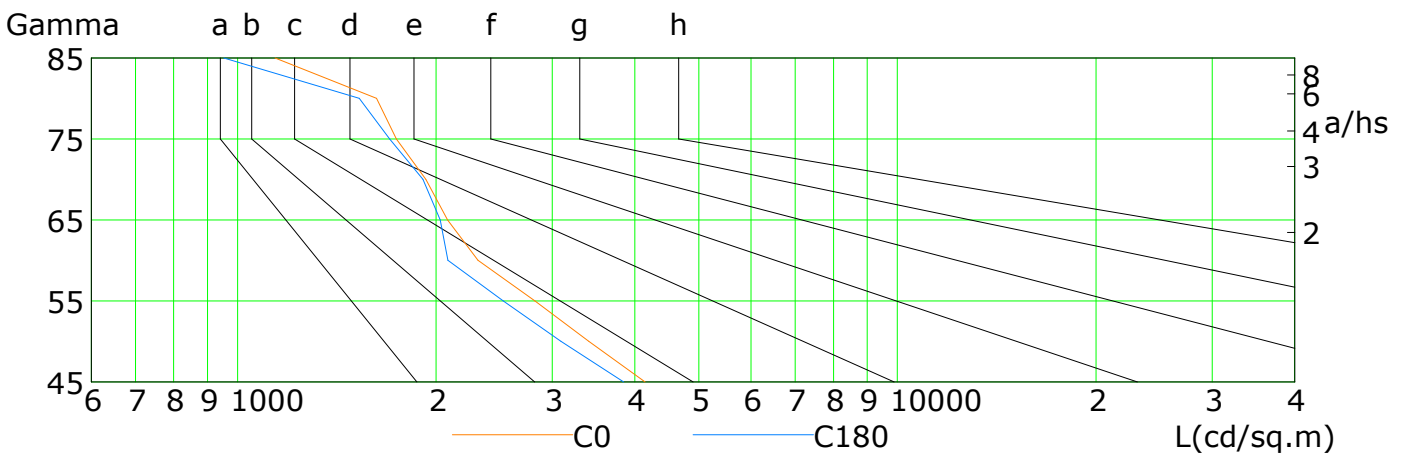
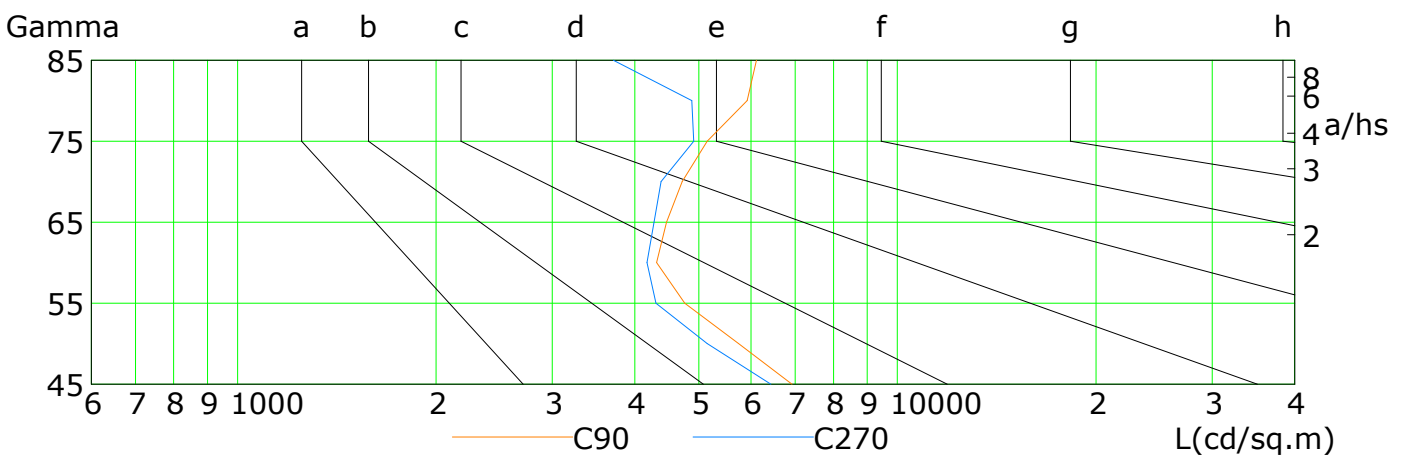
Humidity:

Inspector:

Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
		2000	1000	500	<=300				
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	4143	3404	2823	2314	2081	1930	1740	1624	1140
C90	6925	5745	4759	4316	4469	4721	5151	5918	6118
C180	3846	3091	2527	2084	2029	1911	1701	1529	954
C270	6432	5149	4305	4175	4276	4384	4914	4880	3712

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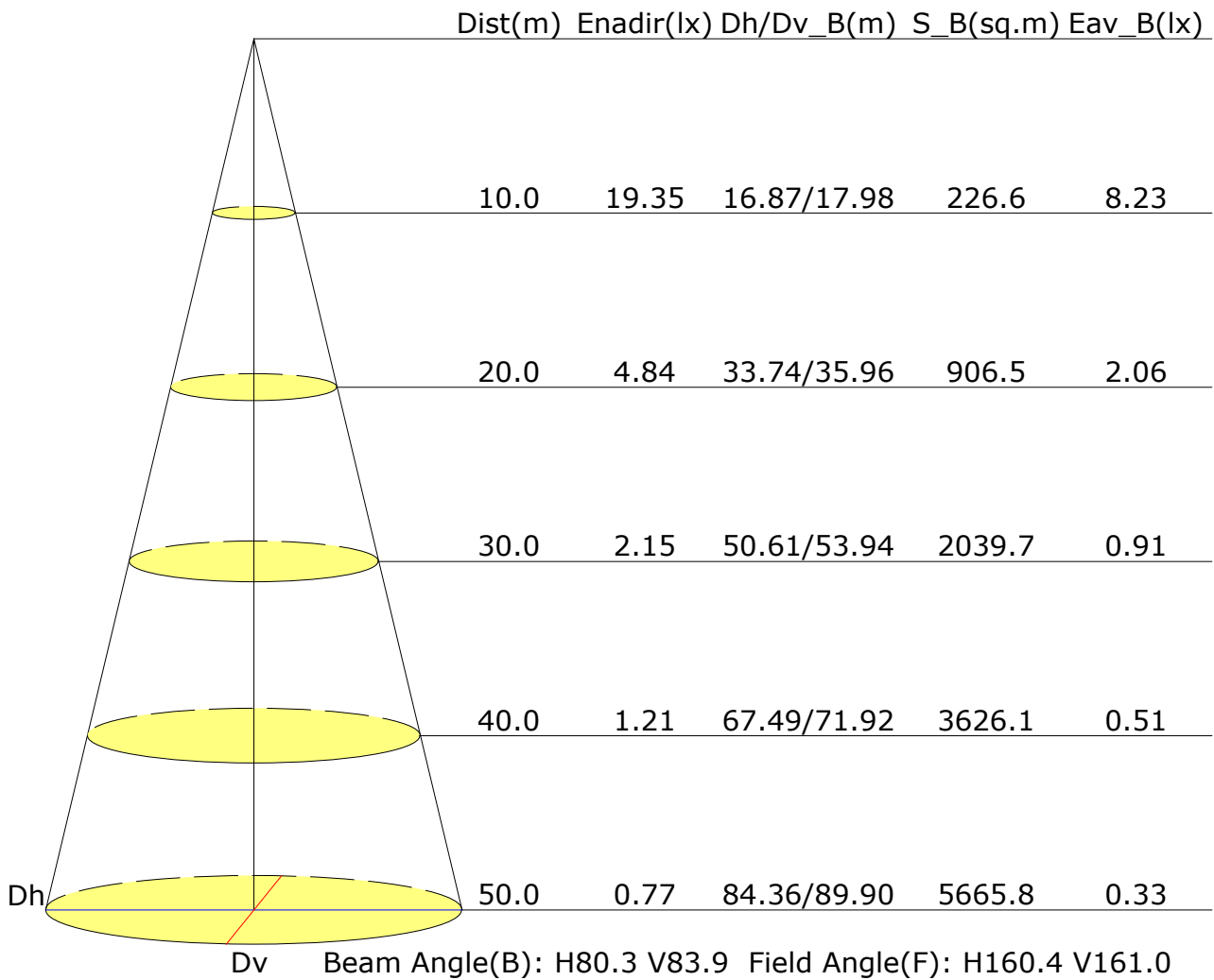
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Illuminance at a Distance



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Test Lab:

Test Type: TYPE C

Temperature:

Operator:

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Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector: