

Report No.: 1

Test Time: 22.04.2019 13:44

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FD 111 92W 5000K 120 rp DALI

Diameter (mm): 260

Voltage: 221.3 V

Power: 91.27 W

Luminous Height (mm): 178

Current: 0.419 A

Power Factor: 0.983

Photometric Results

CIE Class: Direct

Measurement Flux: 11240.4 lm

Downward Ratio: 100%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 154.4, 154.0, 154.1, 154.2

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 113.5, 113.9, 113.5, 113.5

Luminaire Efficacy Rating (LER): 123.21

Max. Intensity: 3984.53 cd

S/MH(C0/C180): 1.28

Total Rated Lamp Lumens: 11240.4 lm

Efficiency: 100%

Upward Ratio: 0%

Central Intensity: 3977.47 cd

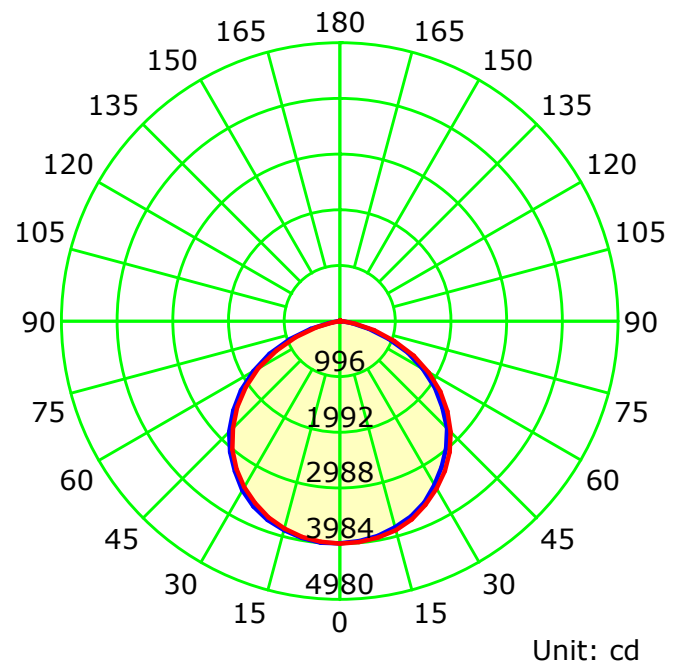
Pos of Max. Intensity: H157.5 V5

S/MH(C90/C270): 1.28

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:5.0

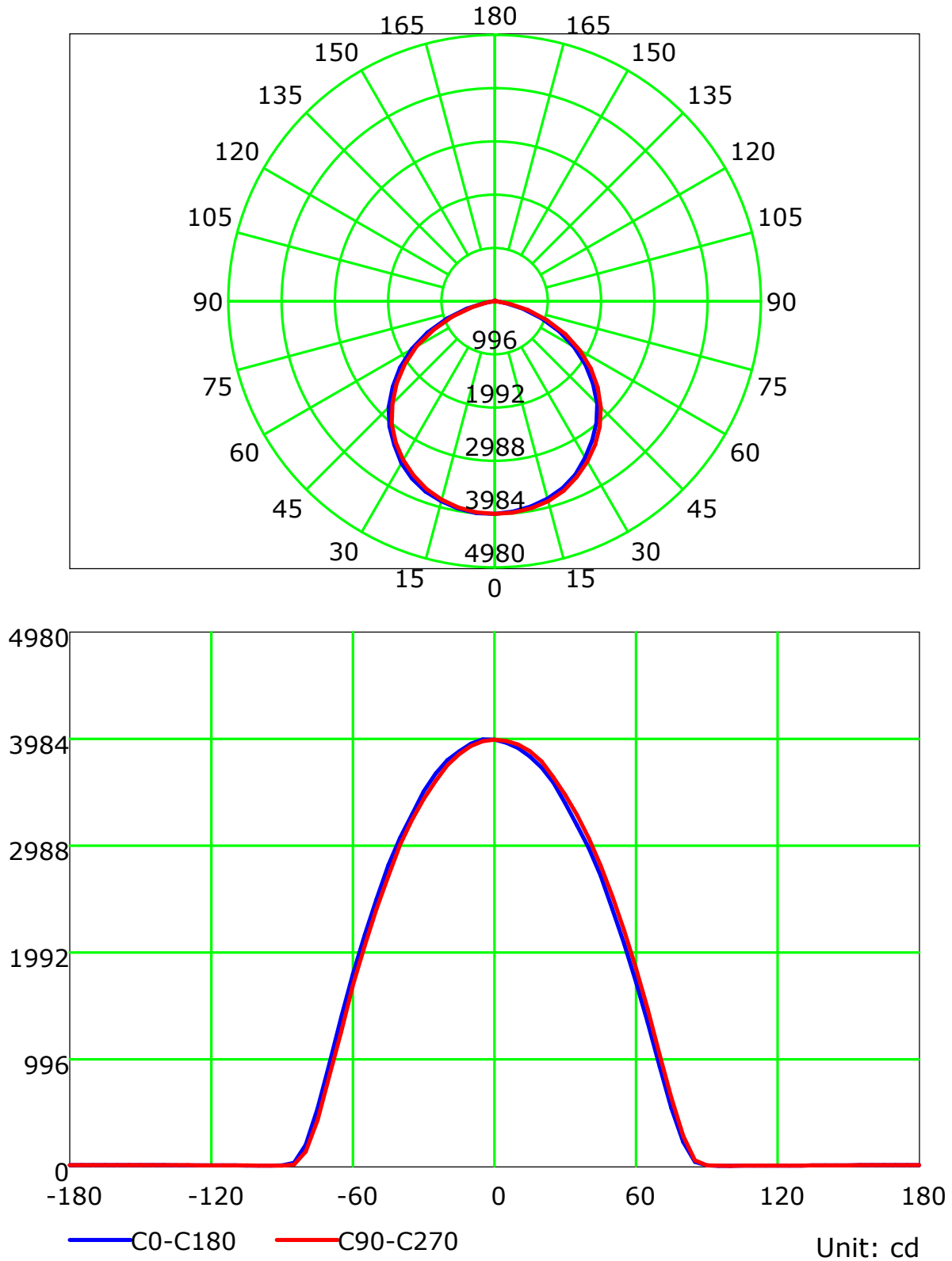
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve



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Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:5.0

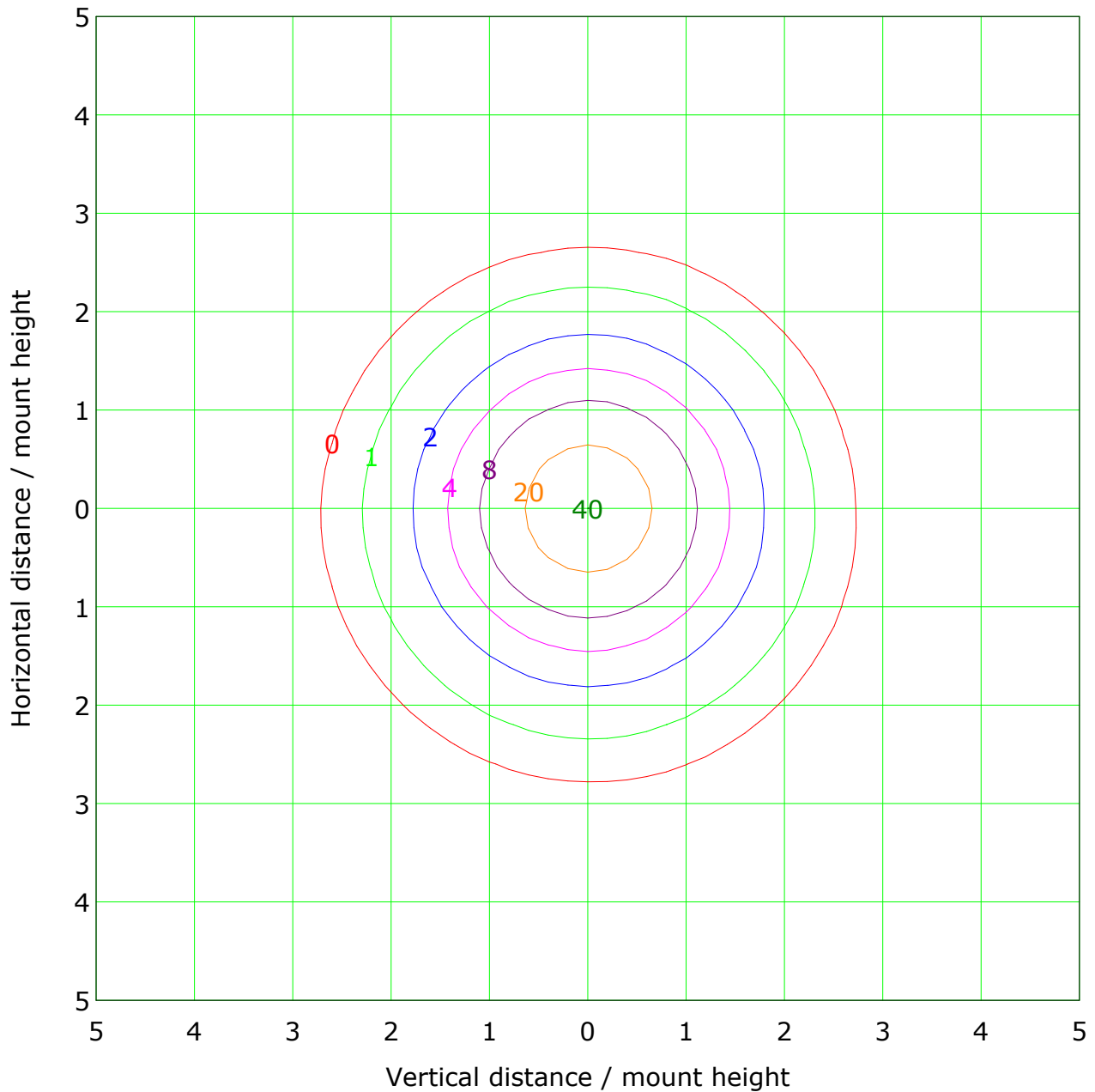
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 39.8 lx

| | |
|-----------------|-----------------|
| (1%): 0.4 lx | (2%): 0.8 lx |
| (5%): 2.0 lx | (10%): 4.0 lx |
| (20%): 8.0 lx | (50%): 19.9 lx |
| (100%): 39.8 lx | |

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Test Device: LSG-1800B

Distance: 12.654 m

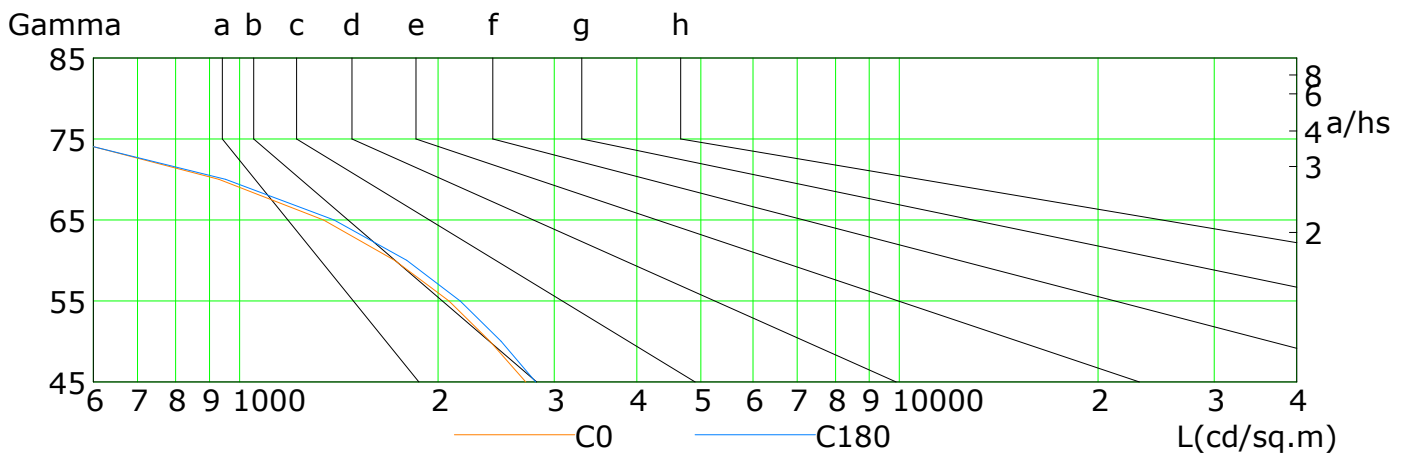
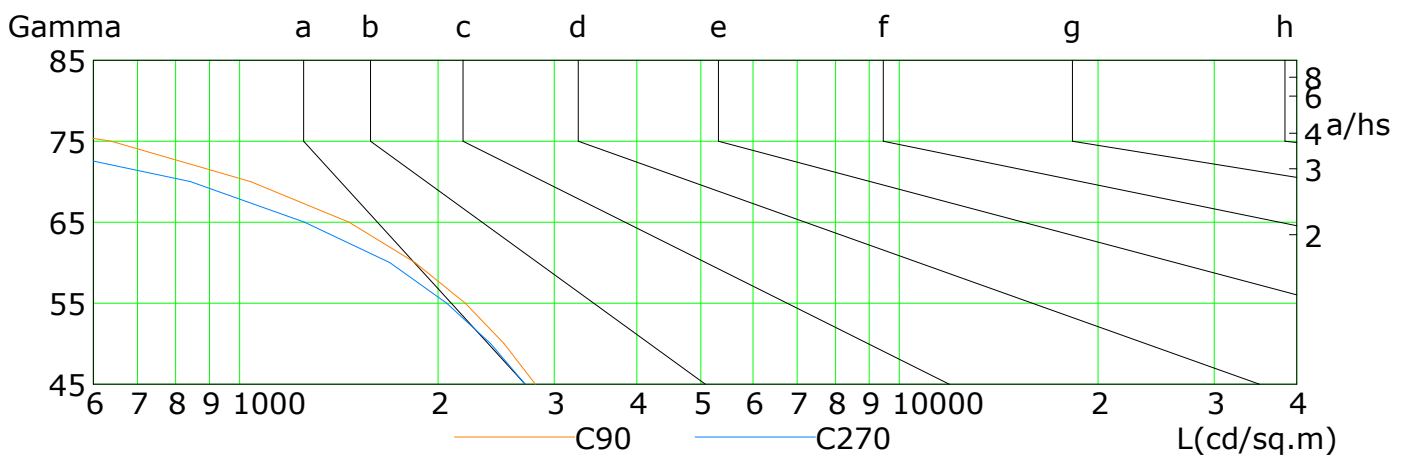
Humidity:

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 |

a b c d e f g h



| L(cd/sq.m) | G45 | G50 | G55 | G60 | G65 | G70 | G75 | G80 | G85 |
|------------|------|------|------|------|------|------|-----|-----|-----|
| C0 | 2714 | 2396 | 2077 | 1717 | 1340 | 931 | 543 | 226 | 42 |
| C90 | 2807 | 2516 | 2199 | 1844 | 1465 | 1039 | 639 | 283 | 55 |
| C180 | 2809 | 2490 | 2160 | 1791 | 1391 | 952 | 541 | 199 | 31 |
| C270 | 2709 | 2400 | 2060 | 1688 | 1255 | 842 | 433 | 136 | 16 |

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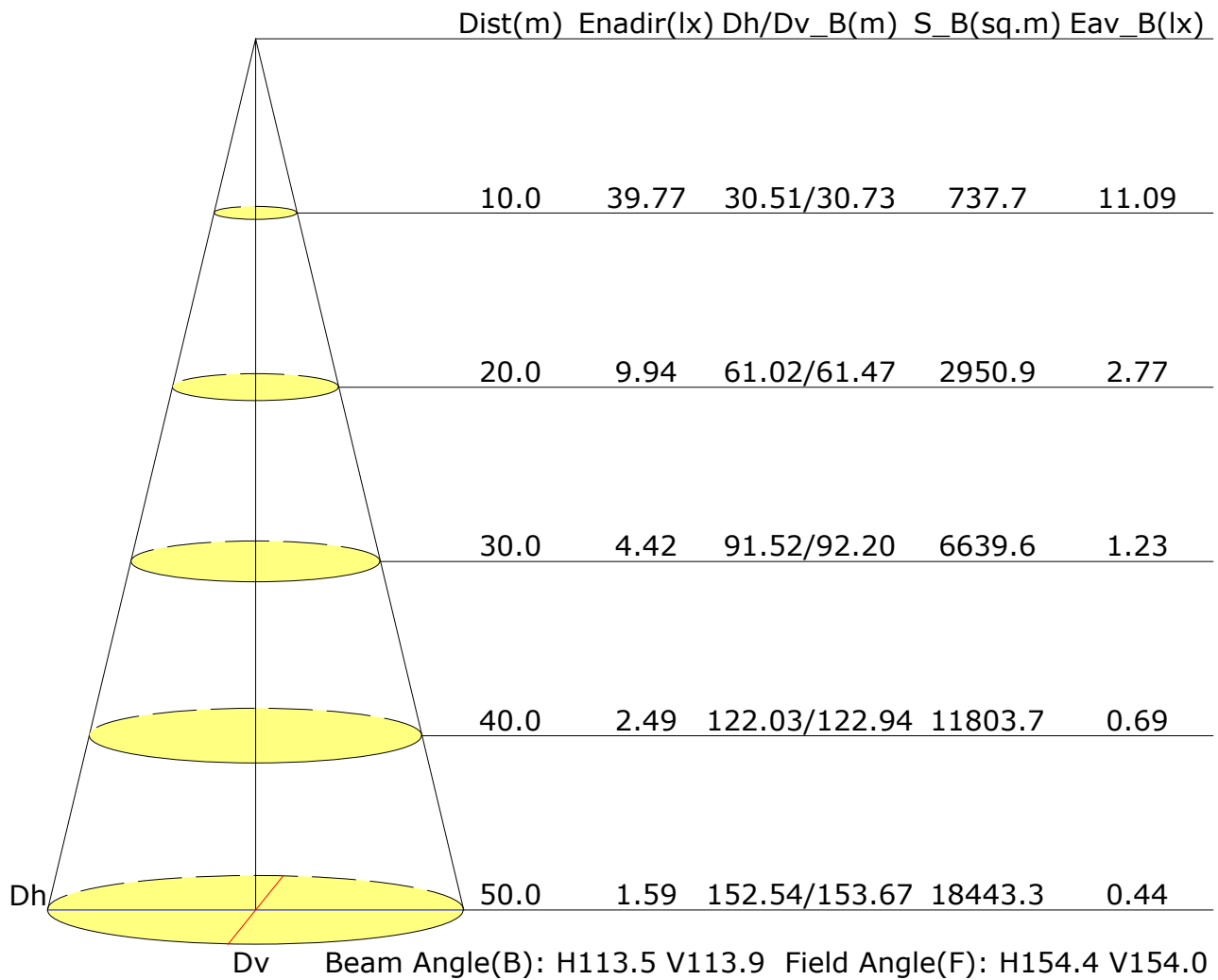
Test Device: LSG-1800B

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: