



Test Time: 2021/10/25 14:52

## Luminaire Property

Luminaire Manufacturer:

Luminaire Category:

Lamp Catalog:

Number of Lamps:

Luminous Length (mm): 1000

Luminous Height (mm):

Current: 0.115 A

Power Factor: 0.955

Luminaire Description:

Lamp Description:

Lumens per Lamp:

Luminous Width (mm): 30

Voltage: 220.1 V

Power: 24.21 W

## Photometric Results

CIE Class: Direct

Measurement Flux: 1240.2 lm

Downward Ratio: 100%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 160.6, 161.6, 161.0, 161.0

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 112.9, 115.4, 113.8, 113.7

Luminaire Efficacy Rating (LER): 51.28

Max. Intensity: 431.83 cd

S/MH(C0/C180): 1.26

Total Rated Lamp Lumens: 1240.2 lm

Efficiency: 100%

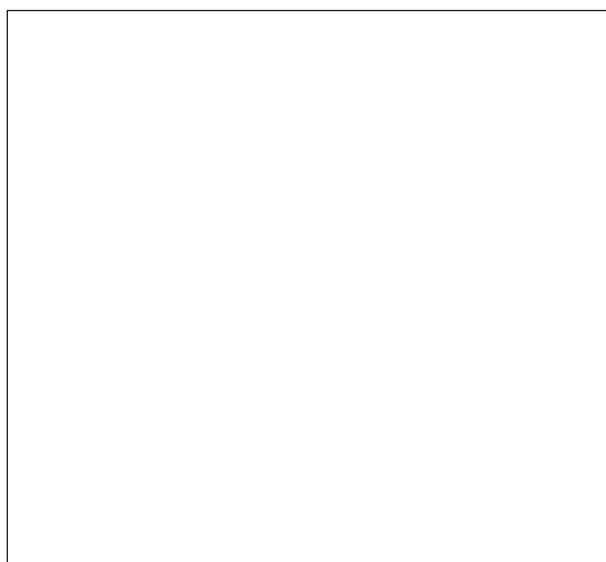
Upward Ratio: 0%

C0r0 Intensity: 424.6 cd

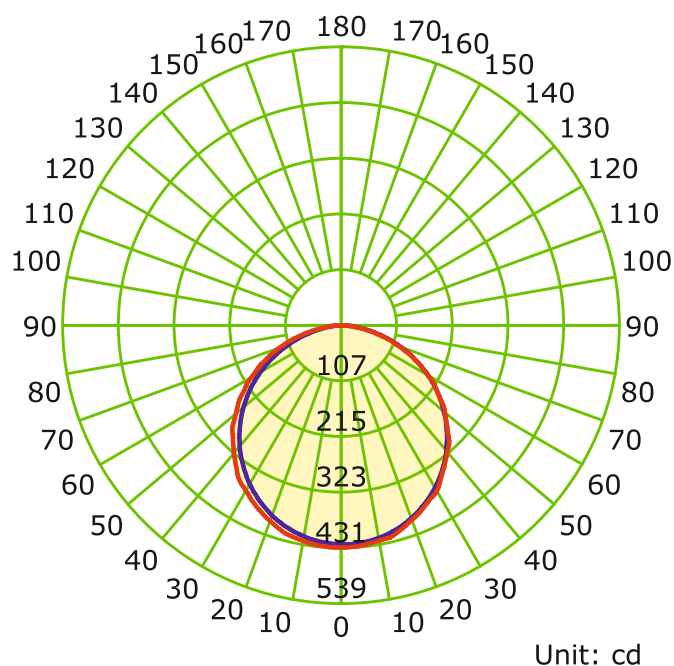
Pos of Max. Intensity: H330 V1

S/MH(C90/C270): 1.28

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

Test Device: GPM-1800B

Distance: 6.000 m [K=1.0000]

Humidity:

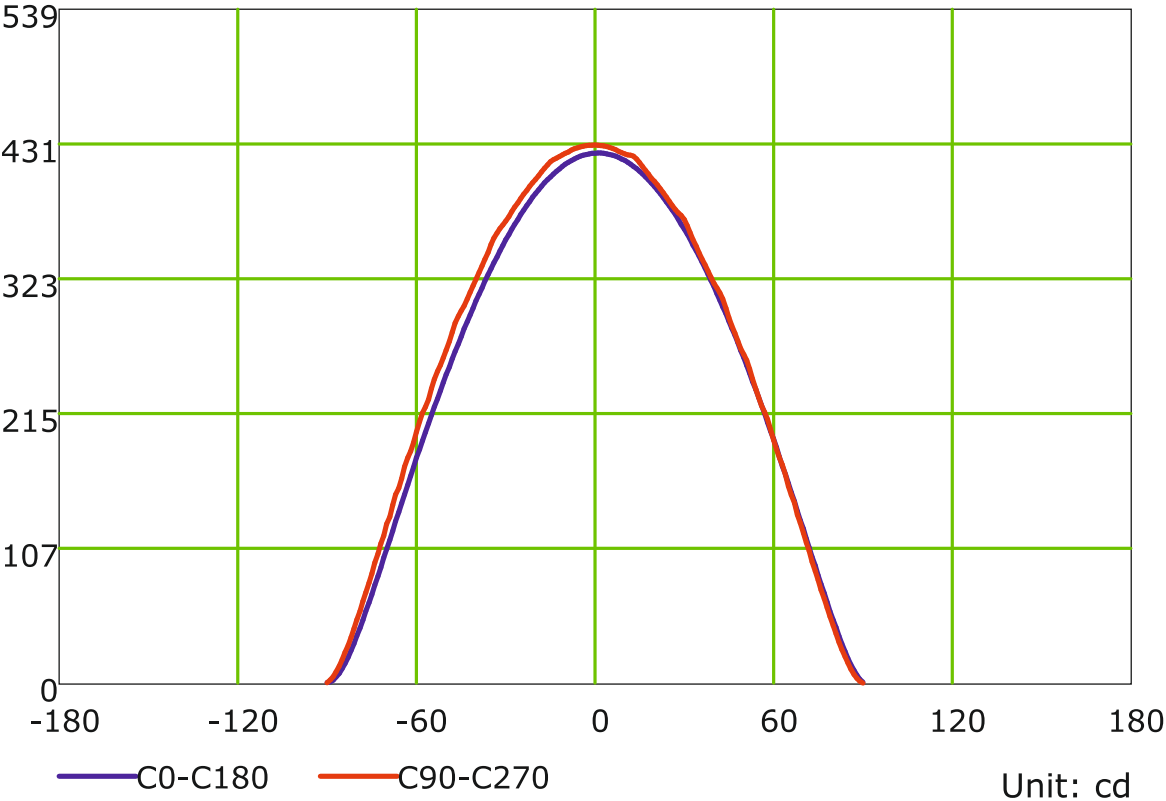
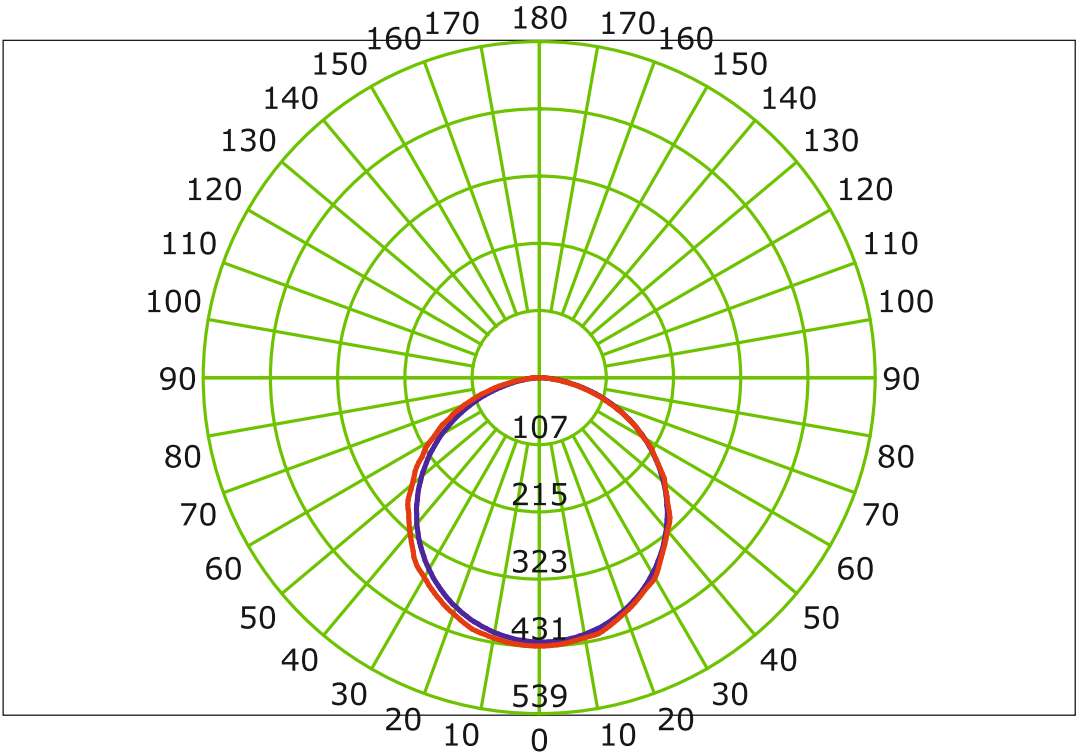
Inspector:



IDEA

/LINO ( 1000MM | PLAQUETA 2700K)

Luminous Intensity Distribution Curve

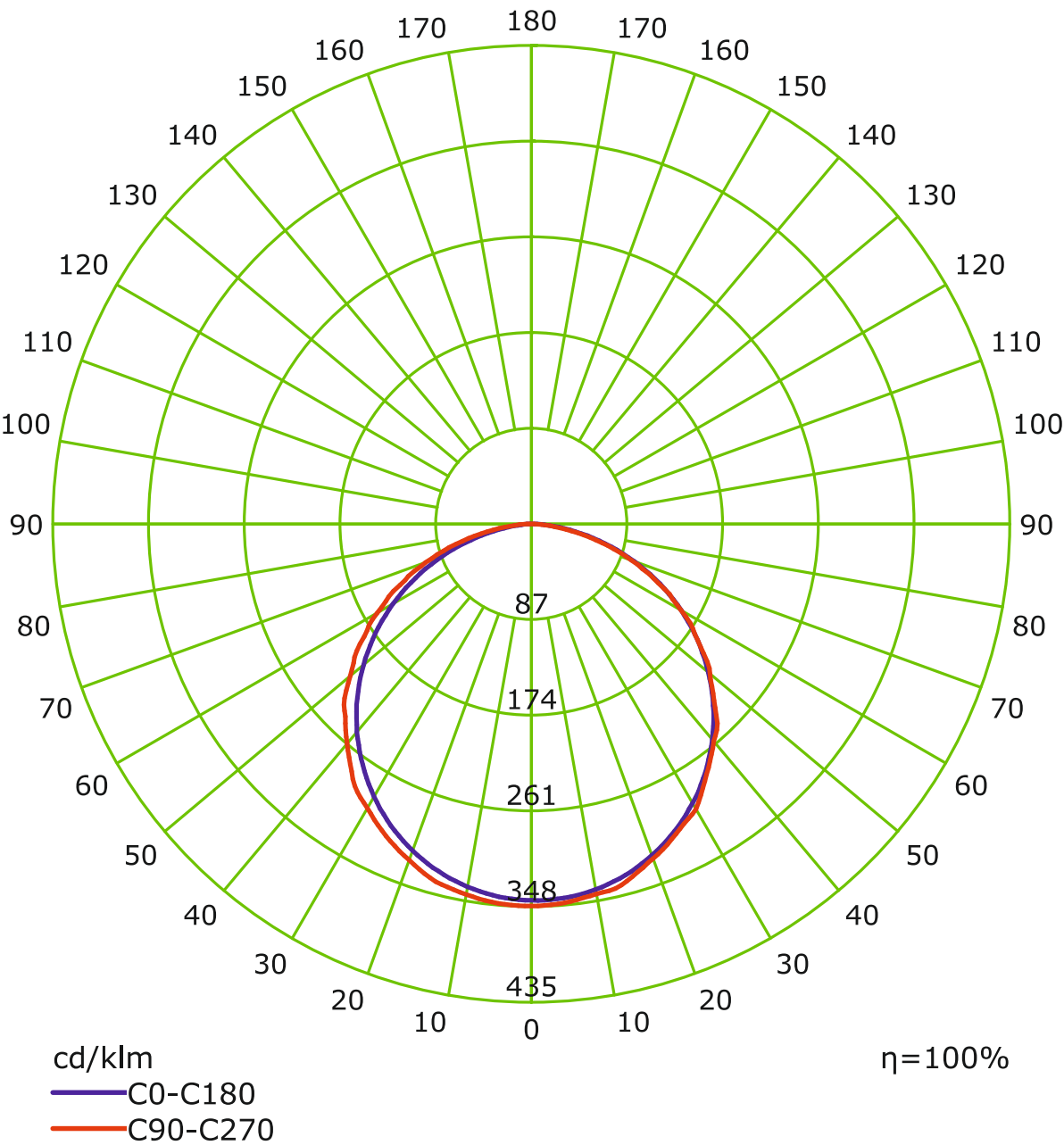


C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

Gamma Plane (°):0.0-90.0:1.0  
Test Device: GPM-1800B  
Distance: 6.000 m [K=1.0000]  
Humidity:  
Inspector:

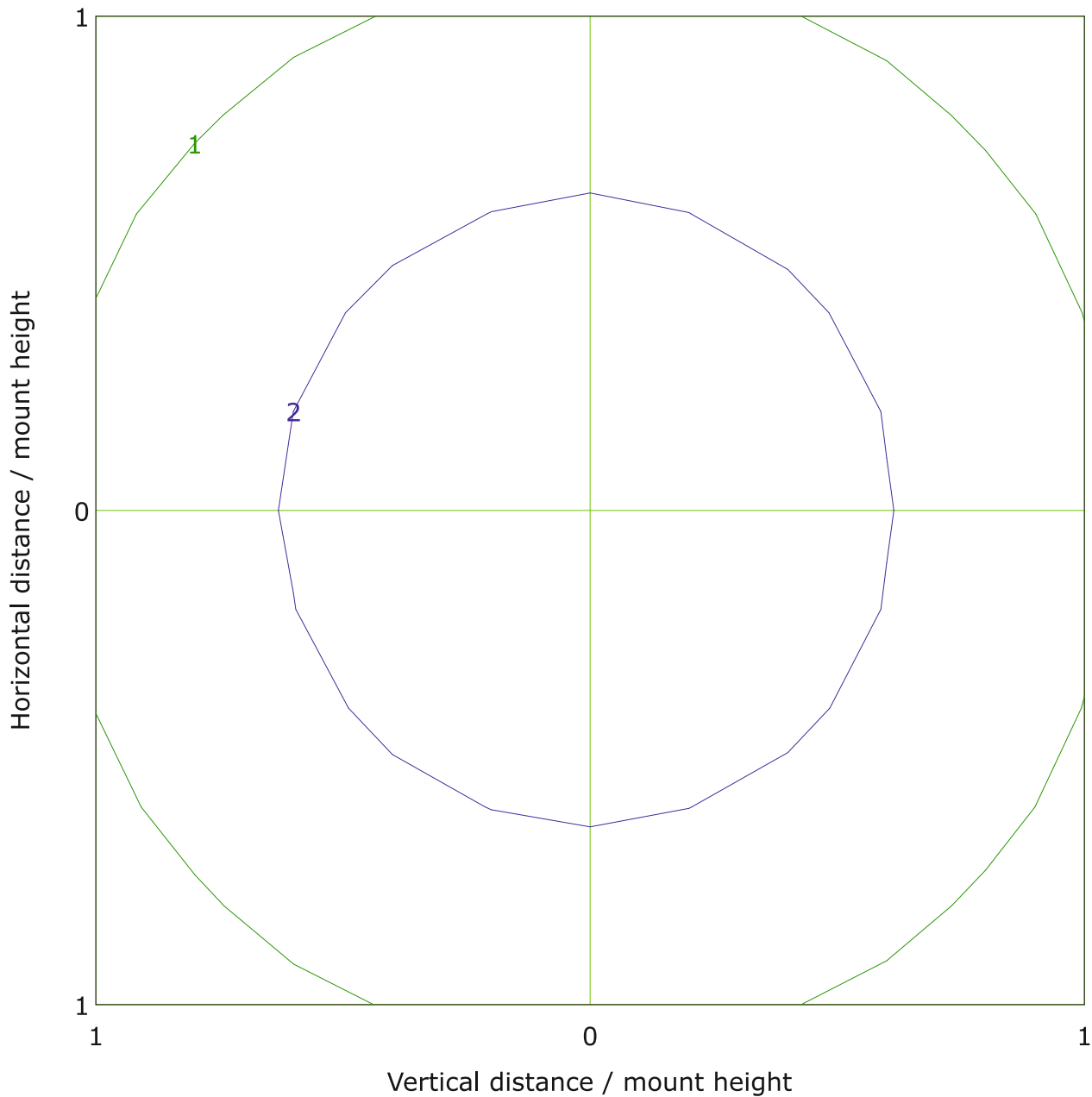


Luminous Intensity Distribution Curve(cd/klm)





IsoLux Plot



|                        |        |                       |        |
|------------------------|--------|-----------------------|--------|
| Mounting Height: 10.0m |        | Max Lux(100%): 4.3 lx |        |
| ( 1%):                 | 0.0 lx | ( 2%):                | 0.1 lx |
| ( 3%):                 | 0.1 lx | ( 4%):                | 0.2 lx |
| ( 5%):                 | 0.2 lx | ( 10%):               | 0.4 lx |
| ( 20%):                | 0.9 lx | ( 50%):               | 2.2 lx |

C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

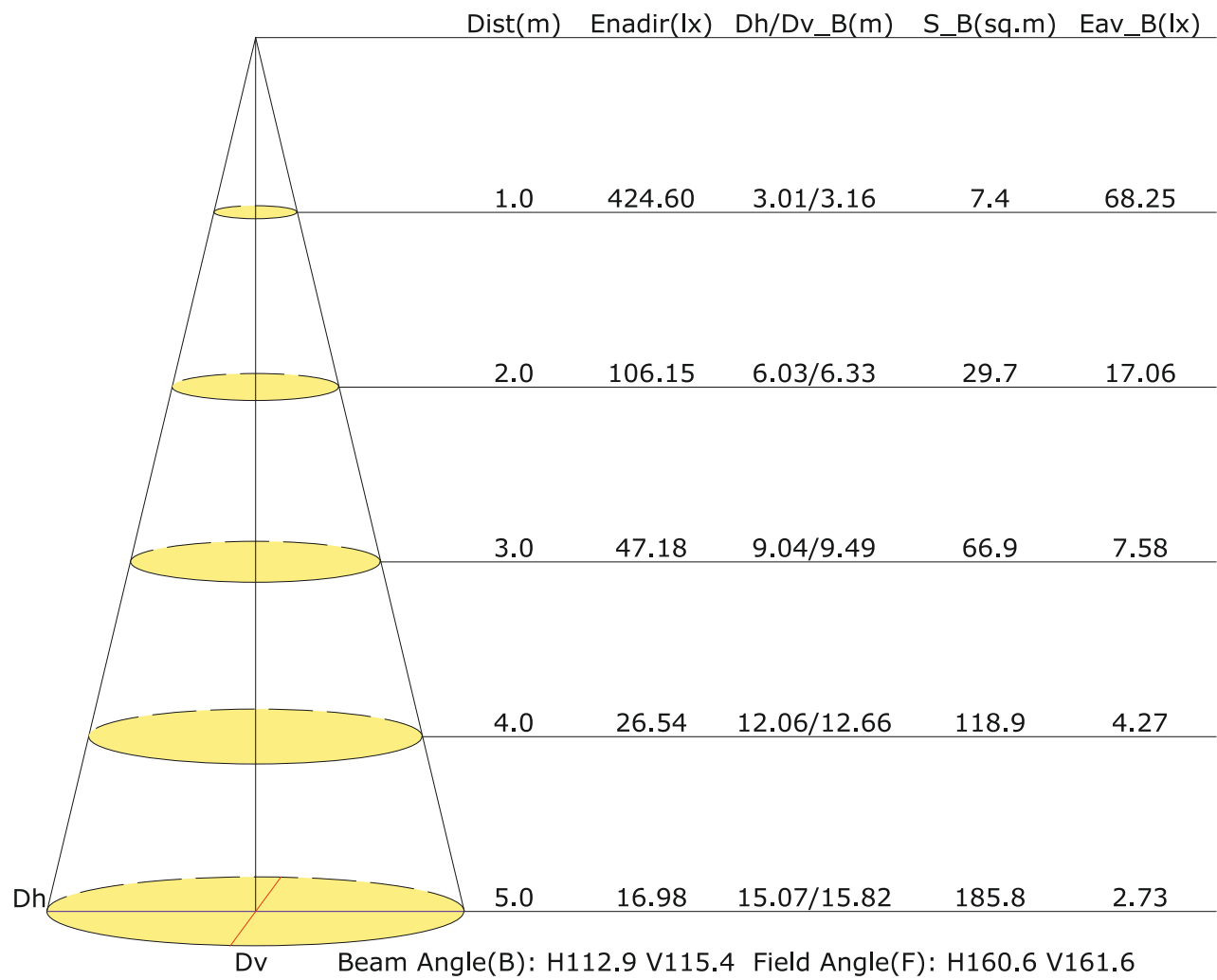
Gamma Plane (°):0.0-90.0:1.0  
Test Device: GPM-1800B  
Distance: 6.000 m [K=1.0000]  
Humidity:  
Inspector:



IDEA

/LINO ( 1000MM | PLAQUETA 2700K)

Illuminance at a Distance

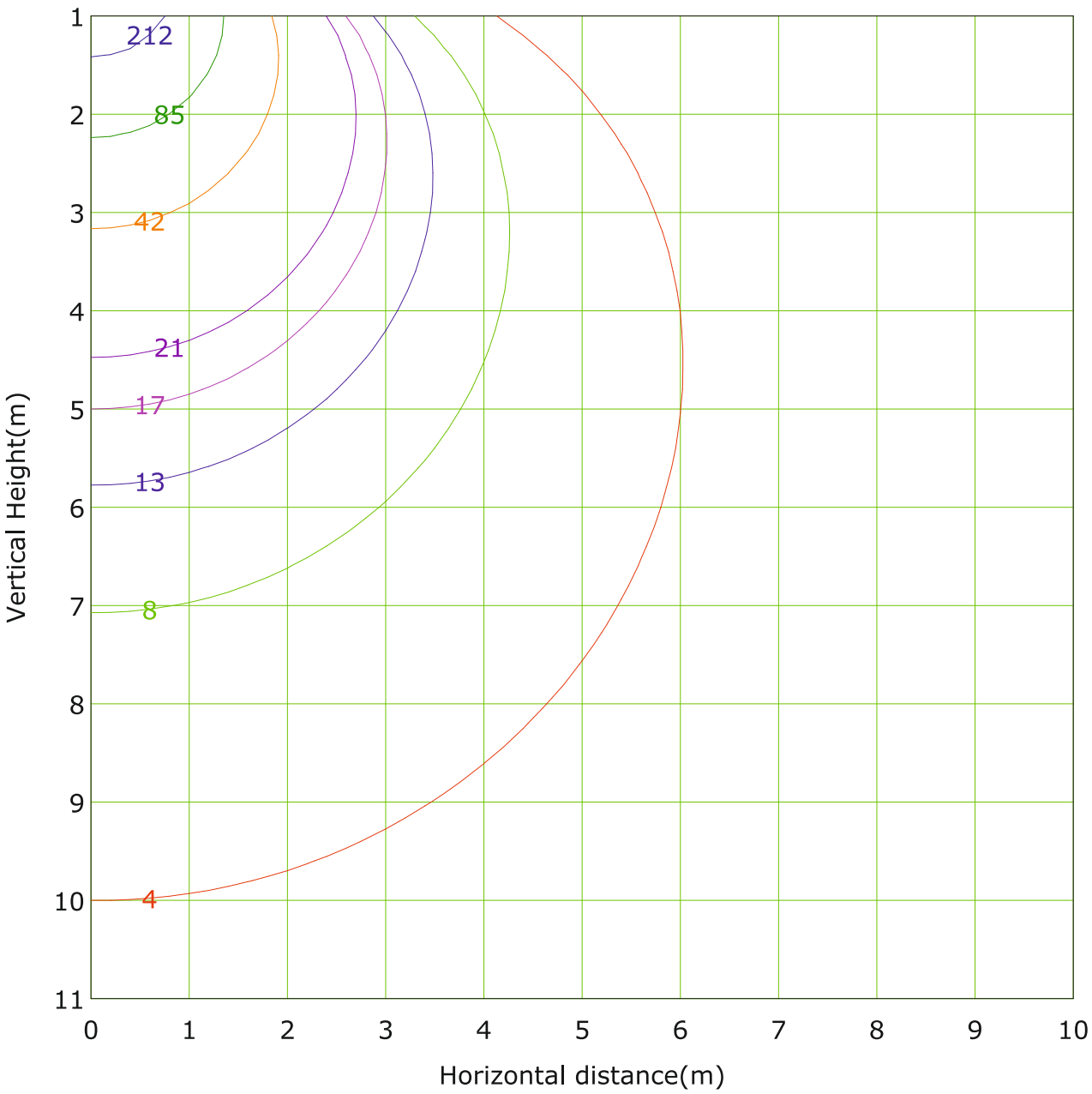


C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

Gamma Plane (°):0.0-90.0:1.0  
Test Device: GPM-1800B  
Distance: 6.000 m [K=1.0000]  
Humidity:  
Inspector:



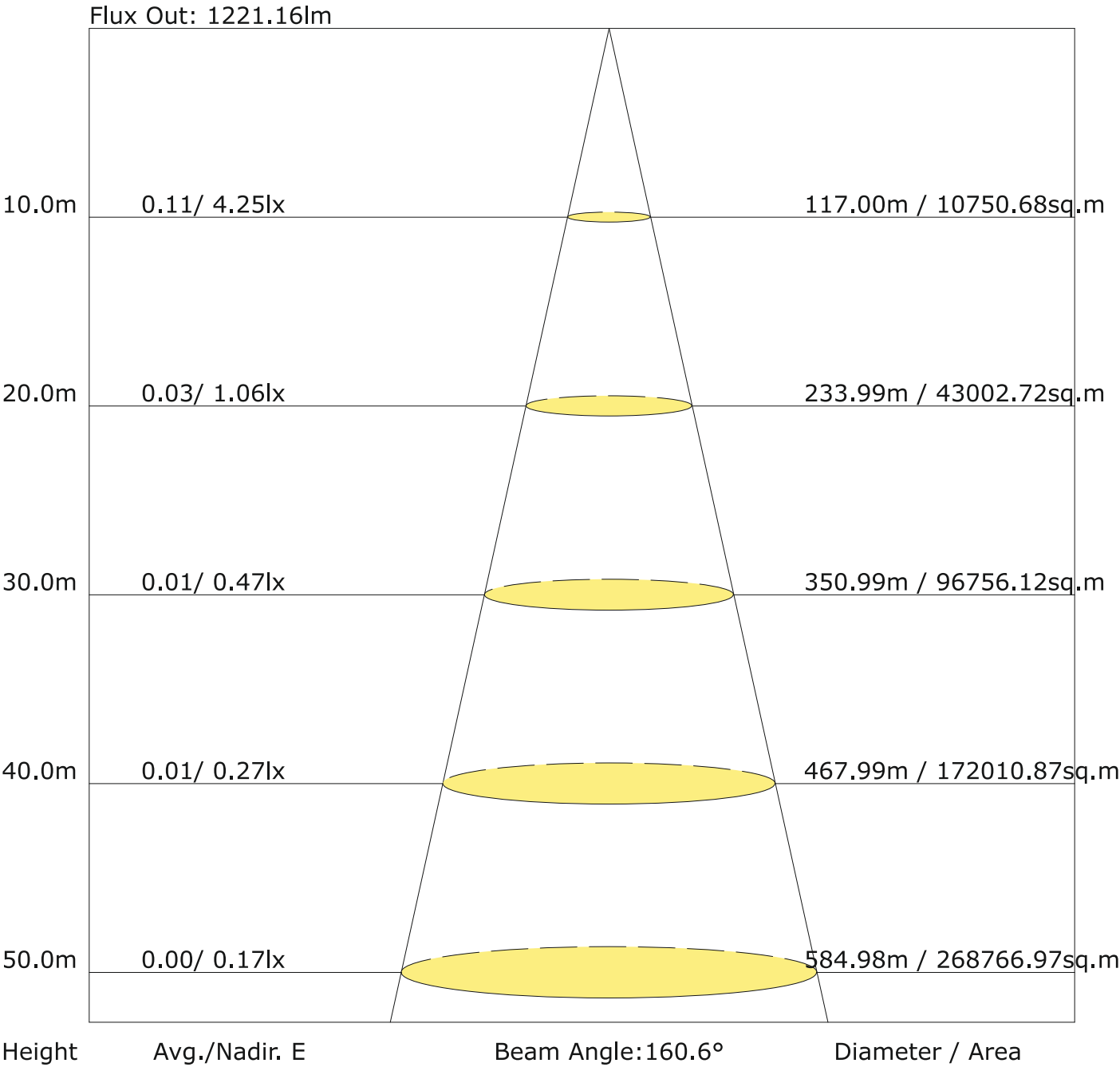
Vertical IsoLux Plot



|                 |                   |                   |
|-----------------|-------------------|-------------------|
| Lowest(m): 1.0m | Highest(m): 11.0m | Max Lux: 424.6 lx |
| ( 1%): 4.2 lx   | ( 2%): 8.5 lx     |                   |
| ( 3%): 12.7 lx  | ( 4%): 17.0 lx    |                   |
| ( 5%): 21.2 lx  | ( 10%): 42.5 lx   |                   |
| ( 20%): 84.9 lx | ( 50%): 212.3 lx  |                   |



The Average Illuminance Effective Figure





## UGR Table

|                                                    |                  |      |      |      |      |                |      |      |      |      |
|----------------------------------------------------|------------------|------|------|------|------|----------------|------|------|------|------|
| Reflectance:                                       |                  |      |      |      |      |                |      |      |      |      |
| Ceiling (cavity)                                   | 0.7              | 0.7  | 0.5  | 0.5  | 0.3  | 0.7            | 0.7  | 0.5  | 0.5  | 0.3  |
| Wall                                               | 0.5              | 0.3  | 0.5  | 0.3  | 0.3  | 0.5            | 0.3  | 0.5  | 0.3  | 0.3  |
| Reference plane                                    | 0.2              | 0.2  | 0.2  | 0.2  | 0.2  | 0.2            | 0.2  | 0.2  | 0.2  | 0.2  |
| Room dimensions                                    | Viewed crosswise |      |      |      |      | Viewed endwise |      |      |      |      |
| X=2H Y=2H                                          | 21.7             | 23.1 | 22.0 | 23.3 | 23.6 | 21.8           | 23.2 | 22.1 | 23.4 | 23.7 |
| 3H                                                 | 23.3             | 24.6 | 23.6 | 24.8 | 25.1 | 23.4           | 24.6 | 23.7 | 24.9 | 25.2 |
| 4H                                                 | 23.9             | 25.1 | 24.3 | 25.4 | 25.7 | 24.0           | 25.2 | 24.3 | 25.5 | 25.8 |
| 6H                                                 | 24.4             | 25.5 | 24.7 | 25.8 | 26.1 | 24.4           | 25.5 | 24.8 | 25.8 | 26.1 |
| 8H                                                 | 24.5             | 25.6 | 24.9 | 25.9 | 26.3 | 24.5           | 25.6 | 24.9 | 25.9 | 26.2 |
| 12H                                                | 24.6             | 25.6 | 25.0 | 26.0 | 26.3 | 24.6           | 25.6 | 25.0 | 25.9 | 26.3 |
| X=4H Y=2H                                          | 22.4             | 23.6 | 22.7 | 23.9 | 24.2 | 22.5           | 23.7 | 22.8 | 23.9 | 24.2 |
| 3H                                                 | 24.2             | 25.2 | 24.6 | 25.5 | 25.9 | 24.2           | 25.3 | 24.6 | 25.6 | 25.9 |
| 4H                                                 | 24.9             | 25.9 | 25.3 | 26.2 | 26.6 | 25.0           | 25.9 | 25.4 | 26.3 | 26.6 |
| 6H                                                 | 25.5             | 26.3 | 25.9 | 26.7 | 27.1 | 25.5           | 26.3 | 25.9 | 26.7 | 27.1 |
| 8H                                                 | 25.7             | 26.4 | 26.1 | 26.8 | 27.3 | 25.7           | 26.4 | 26.1 | 26.8 | 27.2 |
| 12H                                                | 25.8             | 26.5 | 26.3 | 26.9 | 27.3 | 25.8           | 26.4 | 26.2 | 26.9 | 27.3 |
| X=8H Y=4H                                          | 25.2             | 26.0 | 25.7 | 26.4 | 26.8 | 25.3           | 26.0 | 25.7 | 26.4 | 26.8 |
| 6H                                                 | 25.9             | 26.5 | 26.4 | 27.0 | 27.4 | 25.9           | 26.5 | 26.4 | 27.0 | 27.4 |
| 8H                                                 | 26.2             | 26.7 | 26.7 | 27.2 | 27.7 | 26.2           | 26.7 | 26.6 | 27.2 | 27.6 |
| 12H                                                | 26.4             | 26.8 | 26.9 | 27.3 | 27.8 | 26.3           | 26.8 | 26.8 | 27.2 | 27.7 |
| X=12H Y=4H                                         | 25.2             | 25.9 | 25.7 | 26.3 | 26.8 | 25.3           | 26.0 | 25.7 | 26.4 | 26.8 |
| 6H                                                 | 26.0             | 26.5 | 26.5 | 27.0 | 27.5 | 26.0           | 26.5 | 26.5 | 27.0 | 27.5 |
| 8H                                                 | 26.3             | 26.7 | 26.8 | 27.2 | 27.7 | 26.3           | 26.7 | 26.7 | 27.2 | 27.7 |
| Variations with the observer position at spacings: |                  |      |      |      |      |                |      |      |      |      |
| S=1.0H                                             | +0.2/-0.1        |      |      |      |      | +0.2/-0.1      |      |      |      |      |
| S=1.5H                                             | +0.3/-0.4        |      |      |      |      | +0.3/-0.4      |      |      |      |      |
| S=2.0H                                             | +0.5/-0.8        |      |      |      |      | +0.5/-0.7      |      |      |      |      |

Calculate in accordance with CIE Pub.117. The table is revised with 1240lm ( $8\log(F/F_0) = 0.7$ ).

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

Test Device: GPM-1800B

Distance: 6.000 m [K=1.0000]

Humidity:

Inspector:



LED Average Luminance Report

| Avg.L           | cd/m^2   |
|-----------------|----------|
| L 0-180(65) av  | 12000.19 |
| L 0-180(75) av  | 10131.28 |
| L 0-180(85) av  | 6019.88  |
| L 90-270(65) av | 12686.78 |
| L 90-270(75) av | 10971.63 |
| L 90-270(85) av | 6710.21  |
| L 45(65) av     | 12360.25 |
| L 45(75) av     | 10560.31 |
| L 45(85) av     | 6310.07  |

Standard: GB/T 29293-2012