

Report No.:

Test Time: 21/09/2022 11:43

## Luminaire Property

Luminaire Manufacturer: Lighting Line

Luminaire Description: LLP-FL01-21 + LLD-21-FM

Lamp Description: F52-400-60822

Number of Lamps: 1

Lumens per Lamp: 1579 lm

Voltage: 24.0 V

Current: 0.594 A

Power: 14.24 W

Power Factor: 1.000

## Photometric Results

CIE Class: Direct

Measurement Flux: 800.4 lm

Downward Ratio: 50.41%

Total Rated Lamp Lumens: 1579.0 lm

Efficiency: 50.69%

Upward Ratio: 0.28%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 160.2, 161.8, 161.3, 161.2

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 113.4, 113.5, 113.6, 113.5

Luminaire Efficacy Rating (LER): 56.26

Central Intensity: 277.46 cd

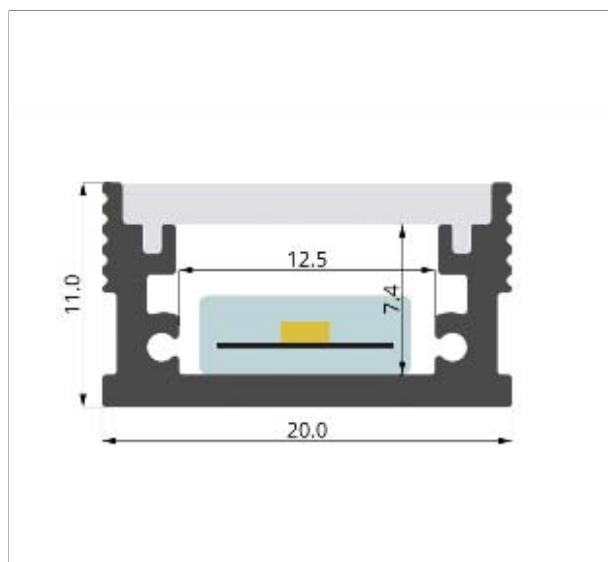
Max. Intensity: 277.46 cd

Pos of Max. Intensity: H0 V0

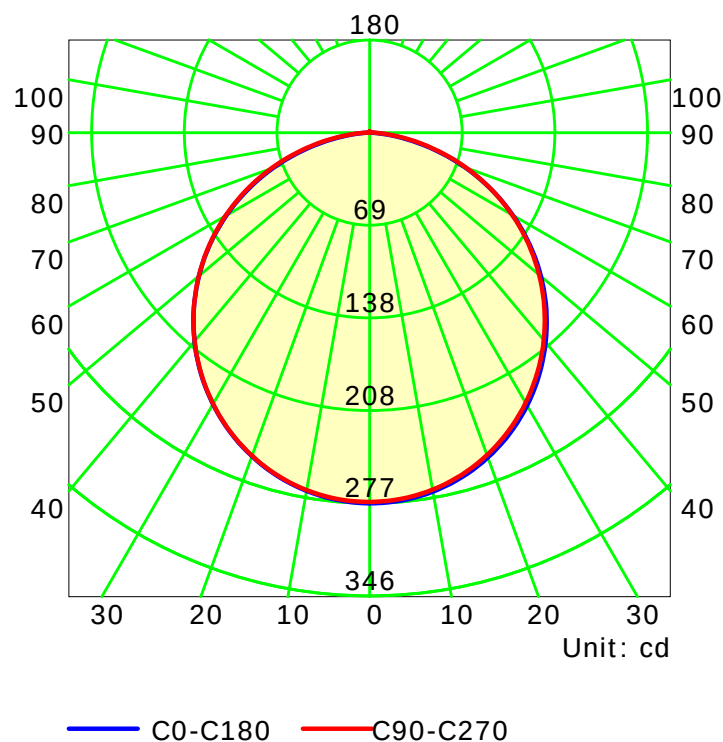
S/MH(C0/C180): 1.26

S/MH(C90/C270): 1.26

Picture Of Luminaire



Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

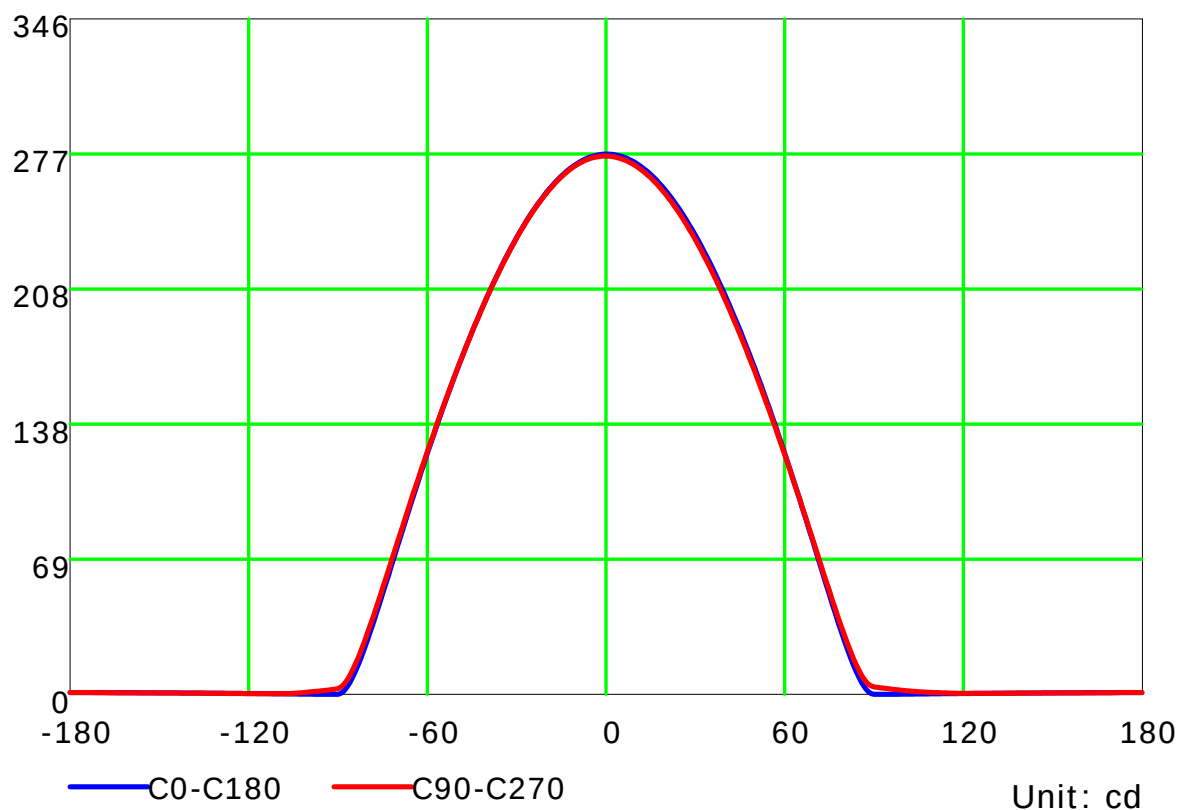
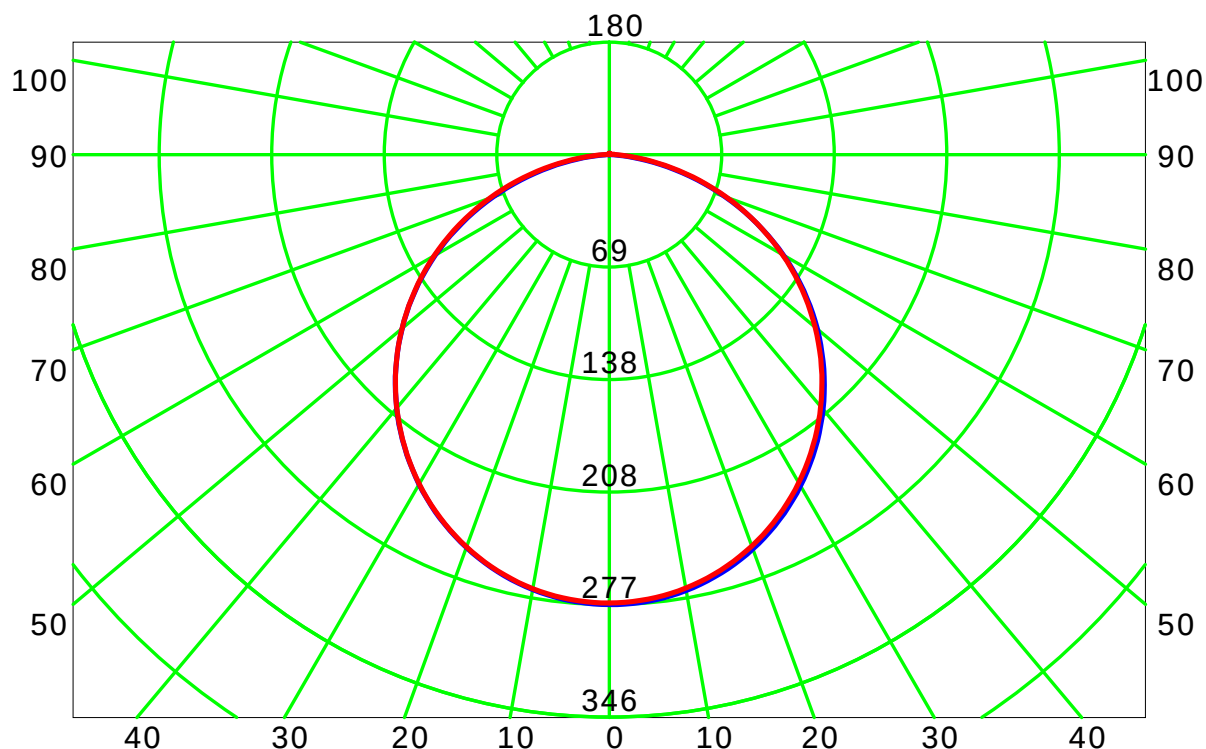
Test Device: GPM-1800B

Distance: 7.979 m

Humidity:

Inspector:

## Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

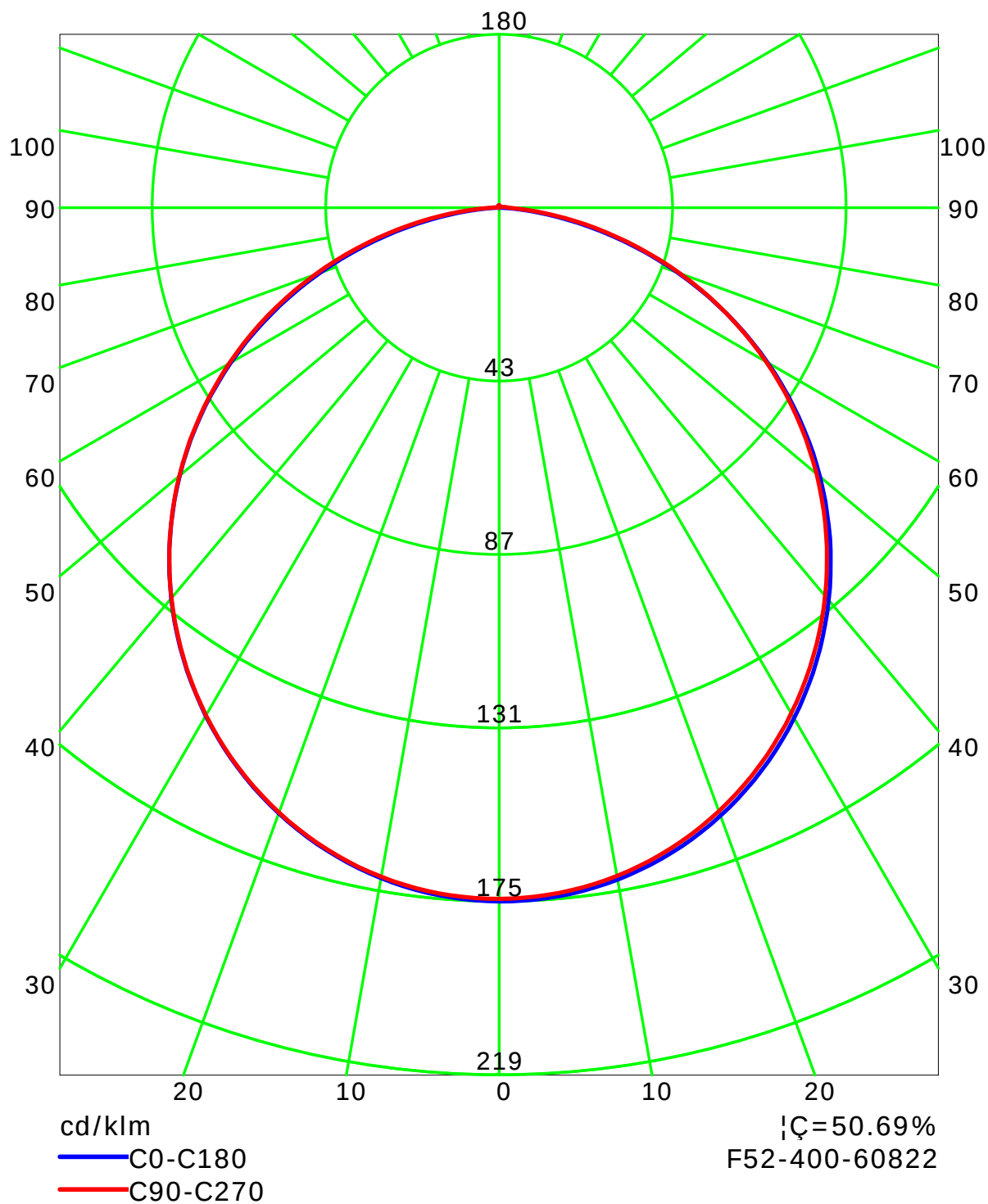
Test Device: GPM-1800B

Distance: 7.979 m

Humidity:

Inspector:

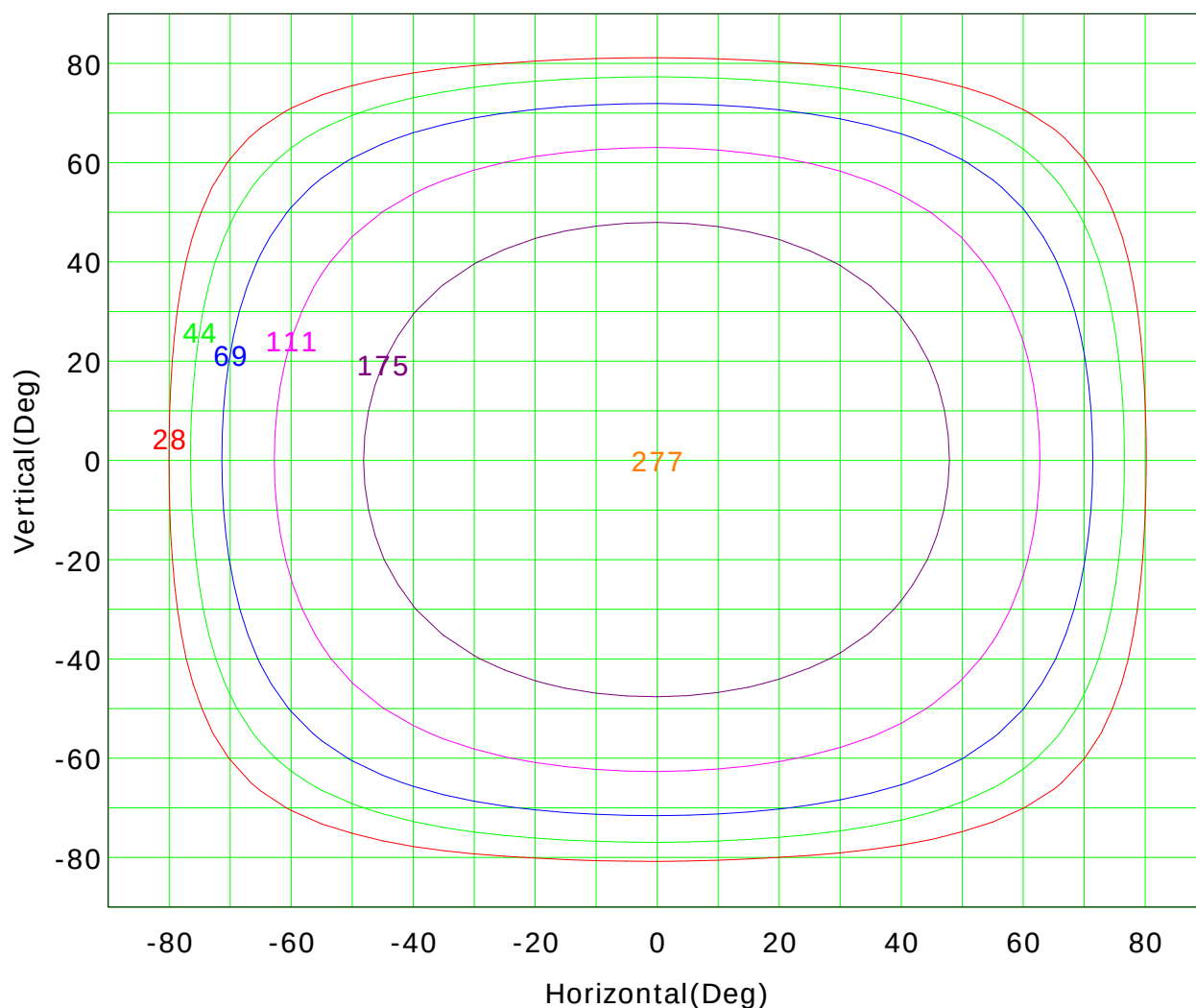
## Luminous Intensity Distribution Curve(cd / klm)



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

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 7.979 m  
Humidity:  
Inspector:

## Isocandela (rectangle)



I<sub>max</sub> (100%): 277 cd

|         |        |         |        |
|---------|--------|---------|--------|
| ( 10%): | 28 cd  | ( 16%): | 44 cd  |
| ( 25%): | 69 cd  | ( 40%): | 111 cd |
| ( 63%): | 175 cd | (100%): | 277 cd |

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

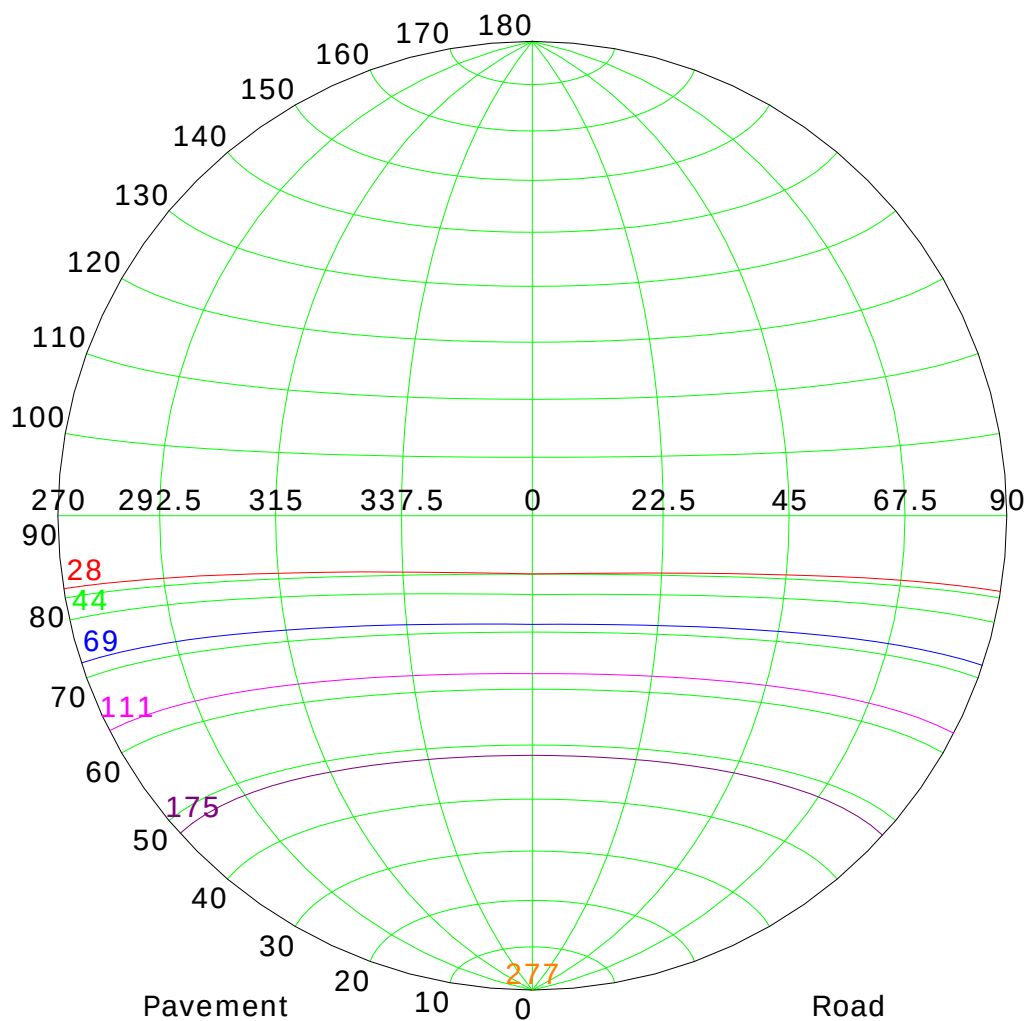
Test Device: GPM-1800B

Distance: 7.979 m

Humidity:

Inspector:

## Isocandela (sphere)



I<sub>max</sub> (100%): 277 cd

|         |        |         |        |
|---------|--------|---------|--------|
| ( 10%): | 28 cd  | ( 16%): | 44 cd  |
| ( 25%): | 69 cd  | ( 40%): | 111 cd |
| ( 63%): | 175 cd | (100%): | 277 cd |

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

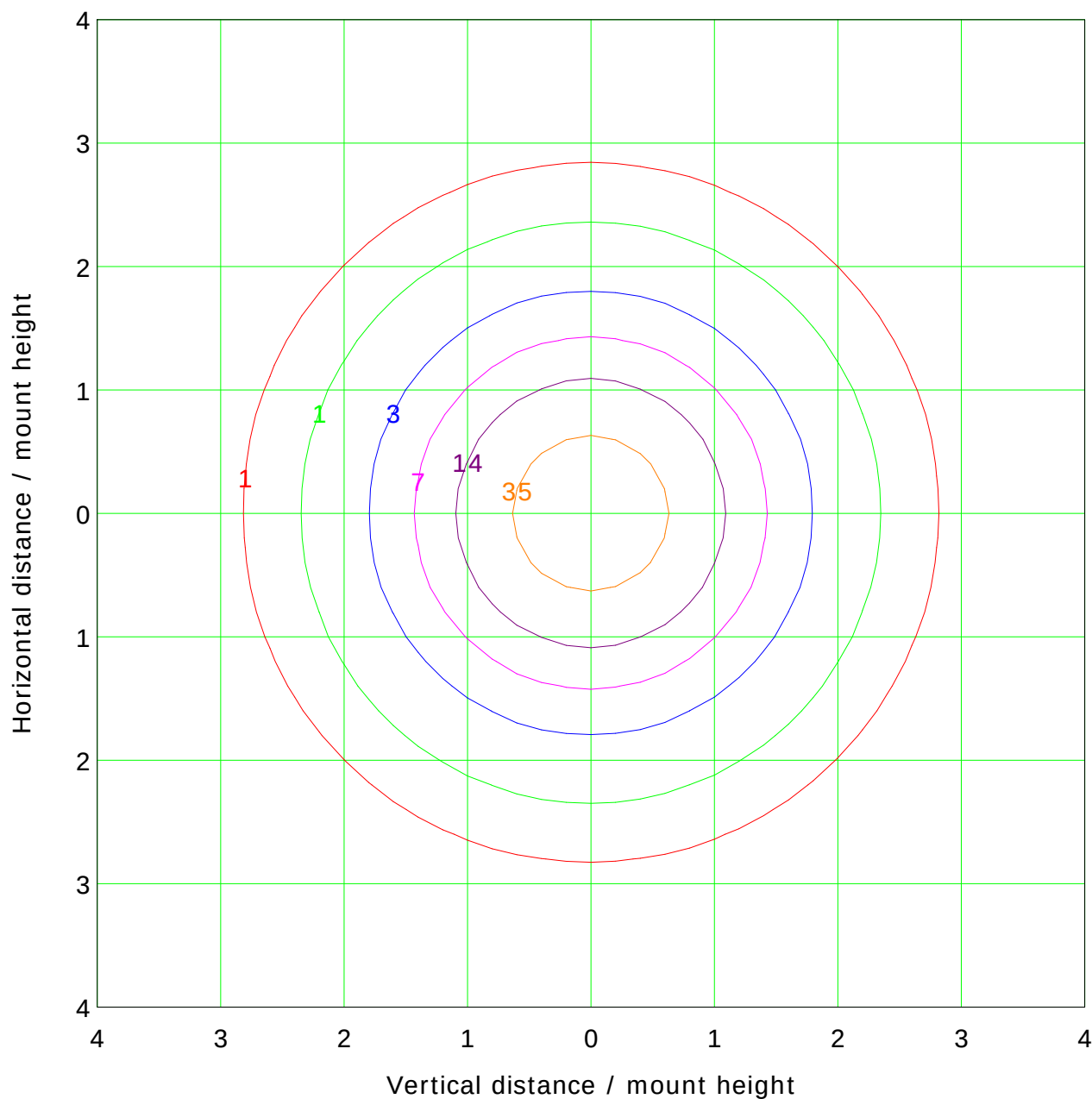
Test Device: GPM-1800B

Distance: 7.979 m

Humidity:

Inspector:

## IsoLux Plot



|                       |         |                        |         |
|-----------------------|---------|------------------------|---------|
| Mounting Height: 2.0m |         | Max Lux(100%): 69.4 lx |         |
| — ( 1%):              | 0.7 lx  | — ( 2%):               | 1.4 lx  |
| — ( 5%):              | 3.5 lx  | — (10%):               | 6.9 lx  |
| — (20%):              | 13.9 lx | — (50%):               | 34.7 lx |
| — (100%):             | 69.4 lx |                        |         |

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

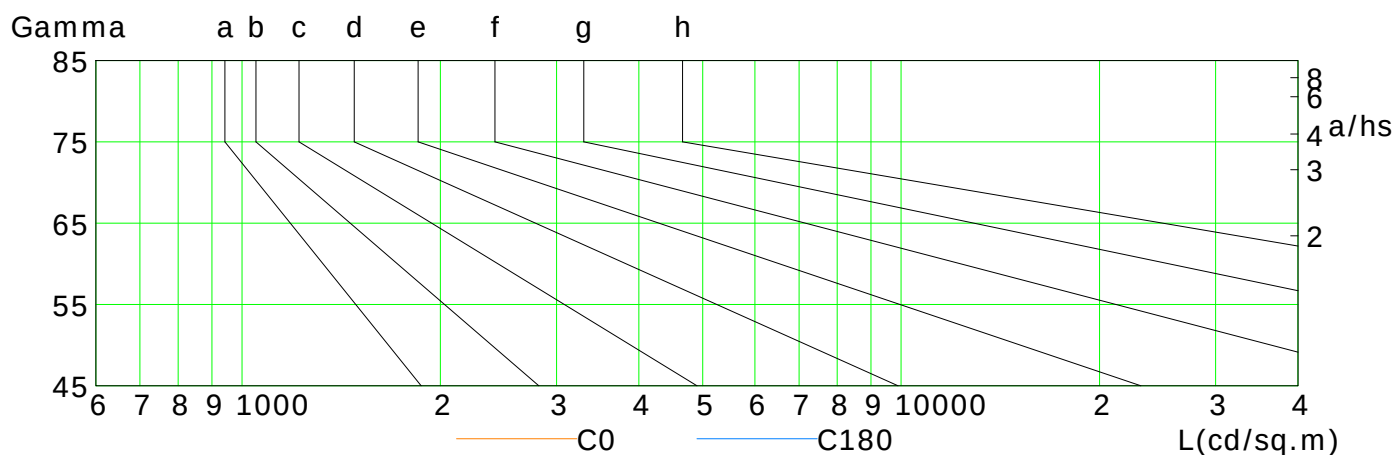
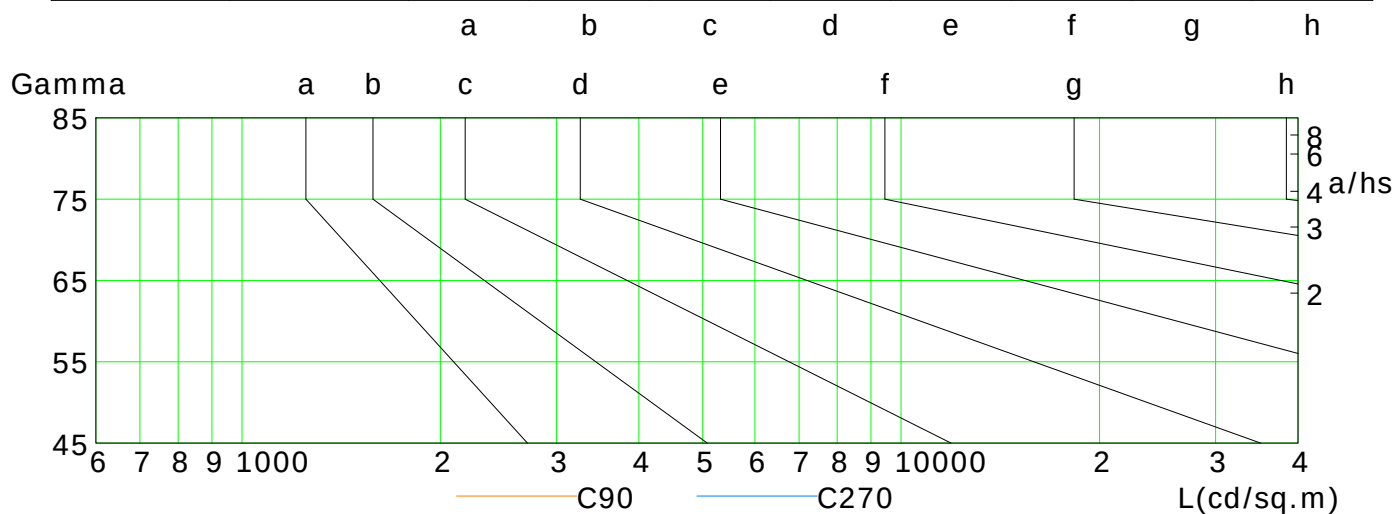
Distance: 7.979 m

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         | 187 | 167 | 146 | 124 | 100 | 76  | 51  | 28  | 9   |
| C90        | 185 | 166 | 145 | 123 | 101 | 77  | 53  | 31  | 12  |
| C180       | 186 | 167 | 146 | 124 | 100 | 76  | 52  | 28  | 9   |
| C270       | 186 | 167 | 146 | 125 | 102 | 78  | 55  | 32  | 13  |

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

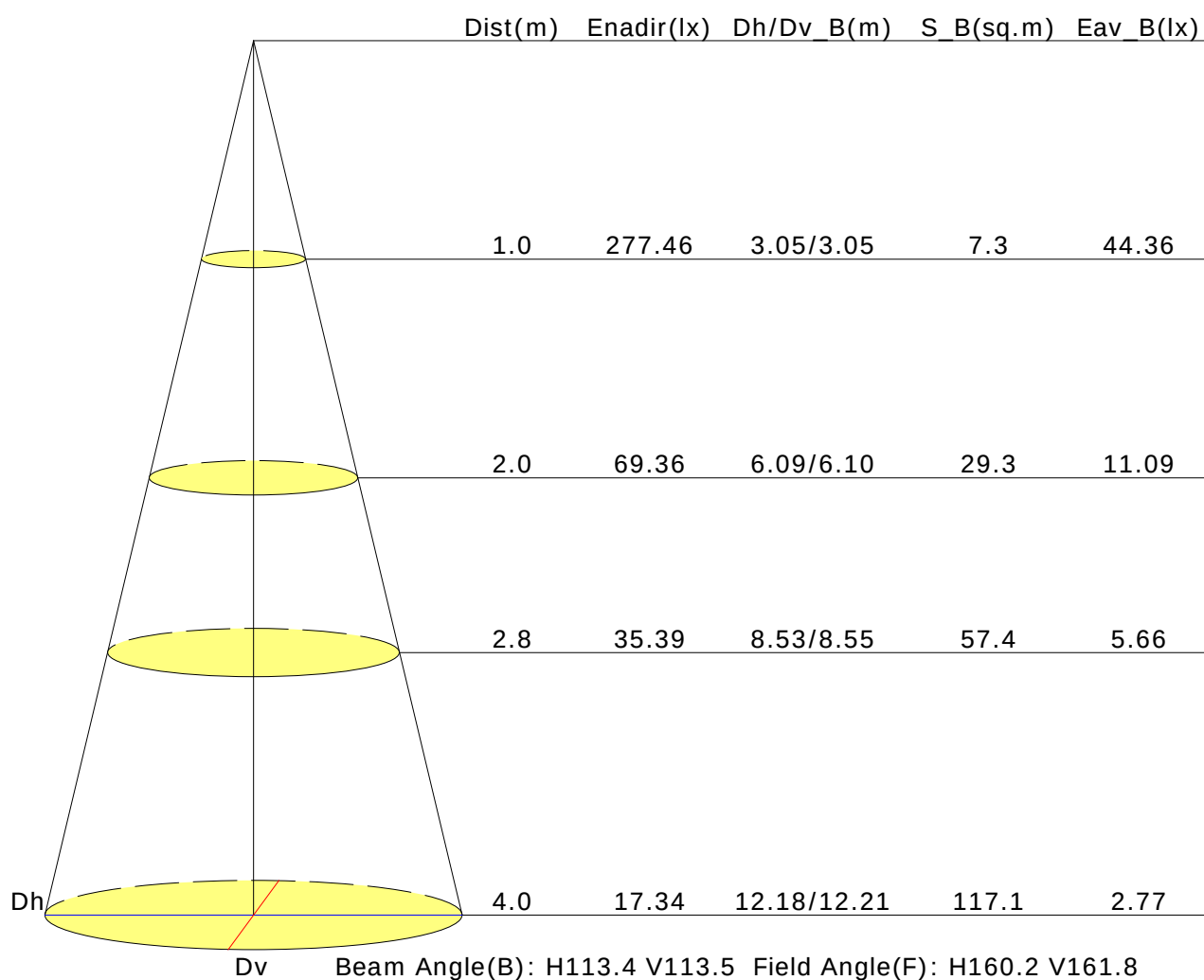
Test Device: GPM-1800B

Distance: 7.979 m

Humidity:

Inspector:

## Illuminance at a Distance



C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

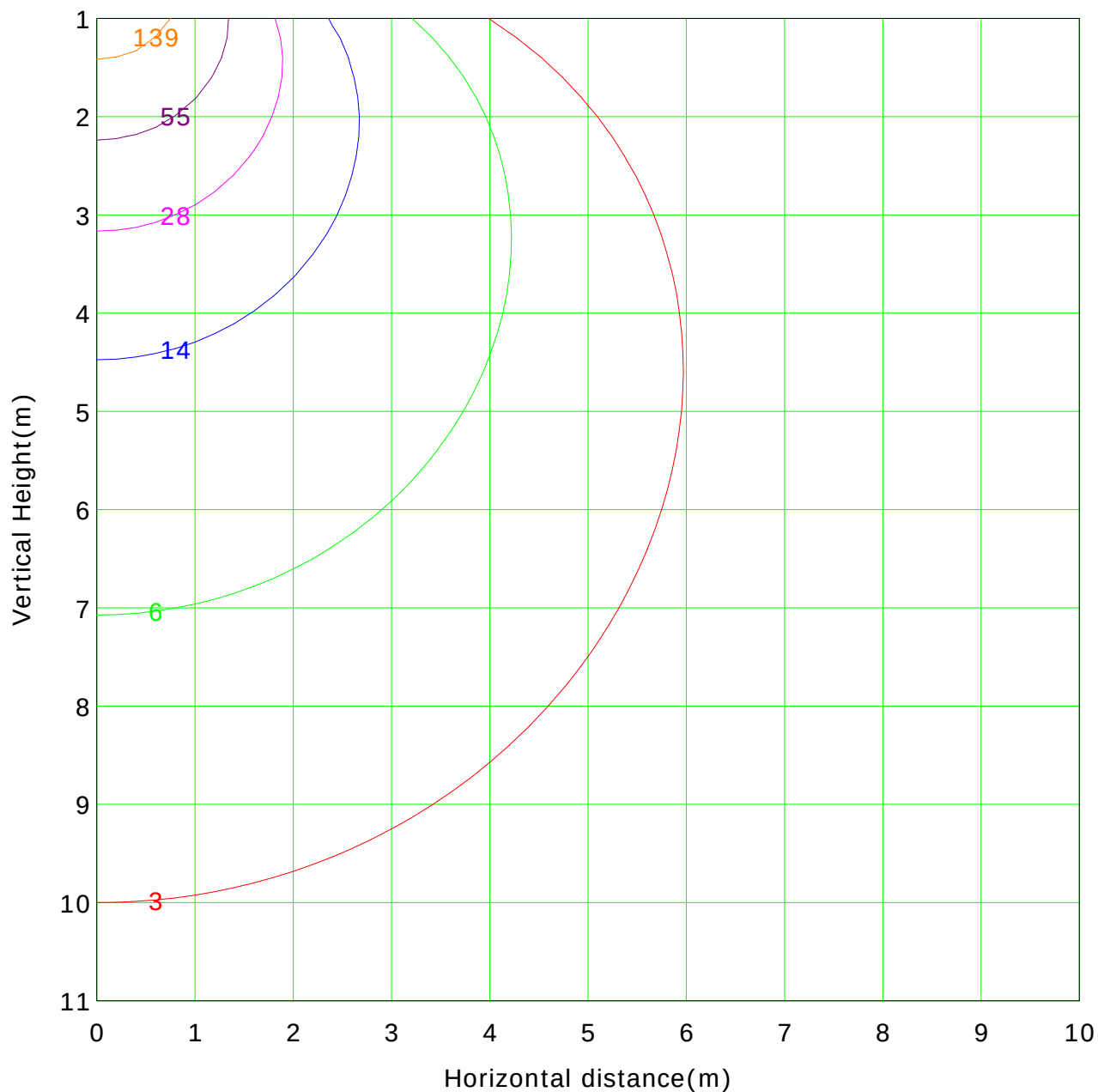
Distance: 7.979 m

Humidity:

Inspector:



## Vertical IsoLux Plot



Lowest(m): 1.0m    Highest(m): 11.0m    Max Lux: 277.5 lx

|                  |                  |
|------------------|------------------|
| ( 1%): 2.8 lx    | ( 2%): 5.5 lx    |
| ( 5%): 13.9 lx   | ( 10%): 27.7 lx  |
| ( 20%): 55.5 lx  | ( 50%): 138.7 lx |
| (100%): 277.5 lx |                  |

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 7.979 m

Humidity:

Inspector: