



Report No.:

Test Time: 31/01/2020 14:26

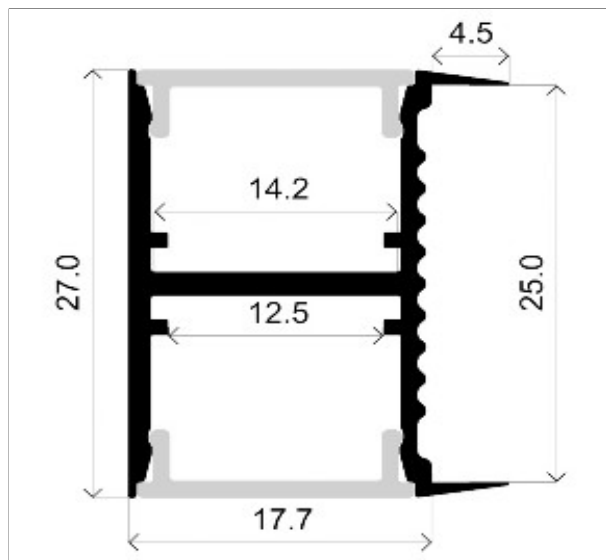
## Luminaire Property

Luminaire Manufacturer: Lighting line  
 Luminaire Description: LLP-SH03-03 + LLD-03-FK  
 Lamp Description: Strip 14,4W/m 60led/m Number of Lamps: 2  
 Lumens per Lamp: 1579 lm Voltage: 24.0 V  
 Current: 1.178 A Power: 28.28 W  
 Power Factor: 1.000

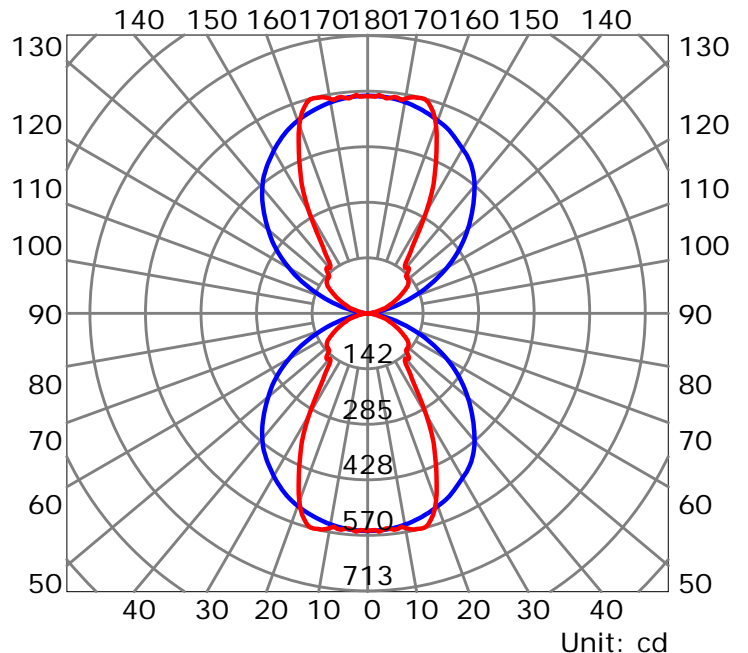
## Photometric Results

|   |                                    |
|---|------------------------------------|
| CIE Class: General Diffuse  | Total Rated Lamp Lumens: 3158.0 lm |
| Measurement Flux: 2148.2 lm   | Efficiency: 68.02%                 |
| Downward Ratio: 34.01%  | Upward Ratio: 34.01%               |
| Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 360.0, 360.0, 360.0, 360.0 |                                    |
| Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 360.0, 360.0, 360.0, 360.0  |                                    |
| Luminaire Efficacy Rating (LER): 76.01                                      | Central Intensity: 559.3 cd        |
| Max. Intensity: 570.7 cd  | Pos of Max. Intensity: H80 V15     |
| S/MH(C0/C180): 1.29   | S/MH(C90/C270): 0.99               |

Picture Of Luminaire



Luminous Intensity Distribution Curve



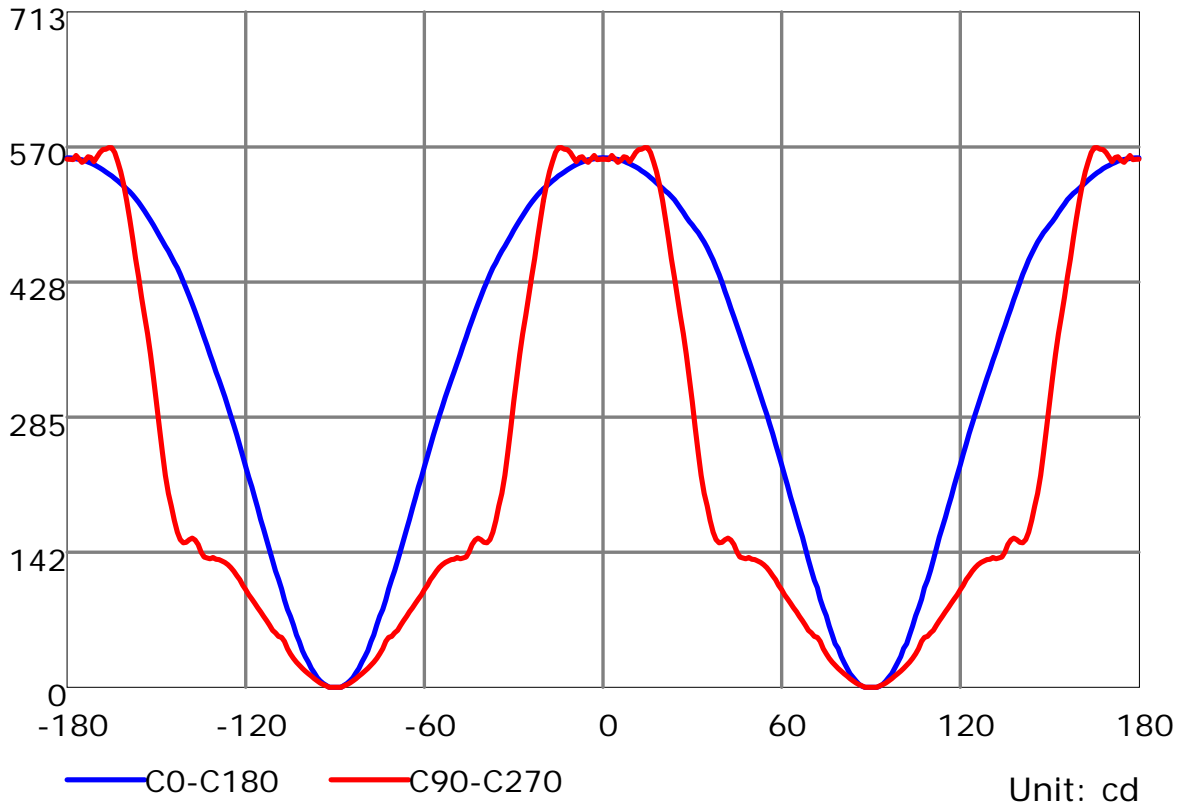
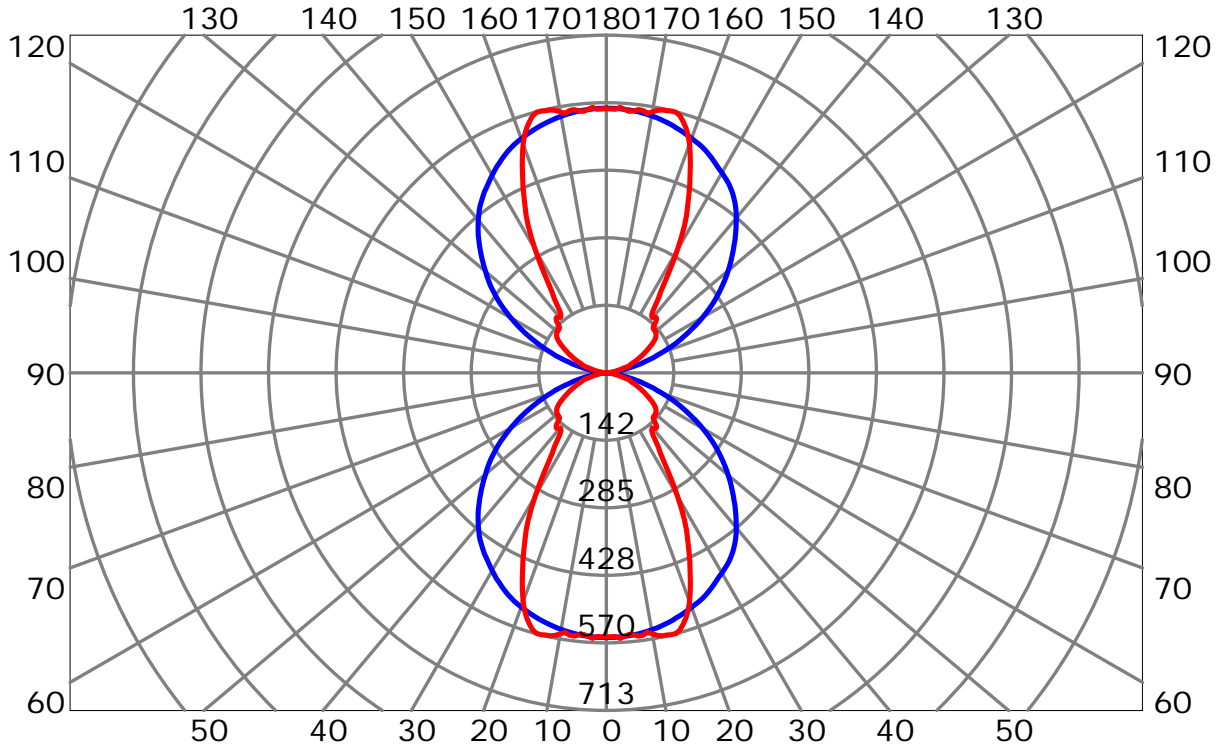
— C0-C180 — C90-C270

C Plane (°):0.0-180.0: 10.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-2000  
 Distance: 7.970 m  
 Humidity:  
 Inspector:



## Luminous Intensity Distribution Curve

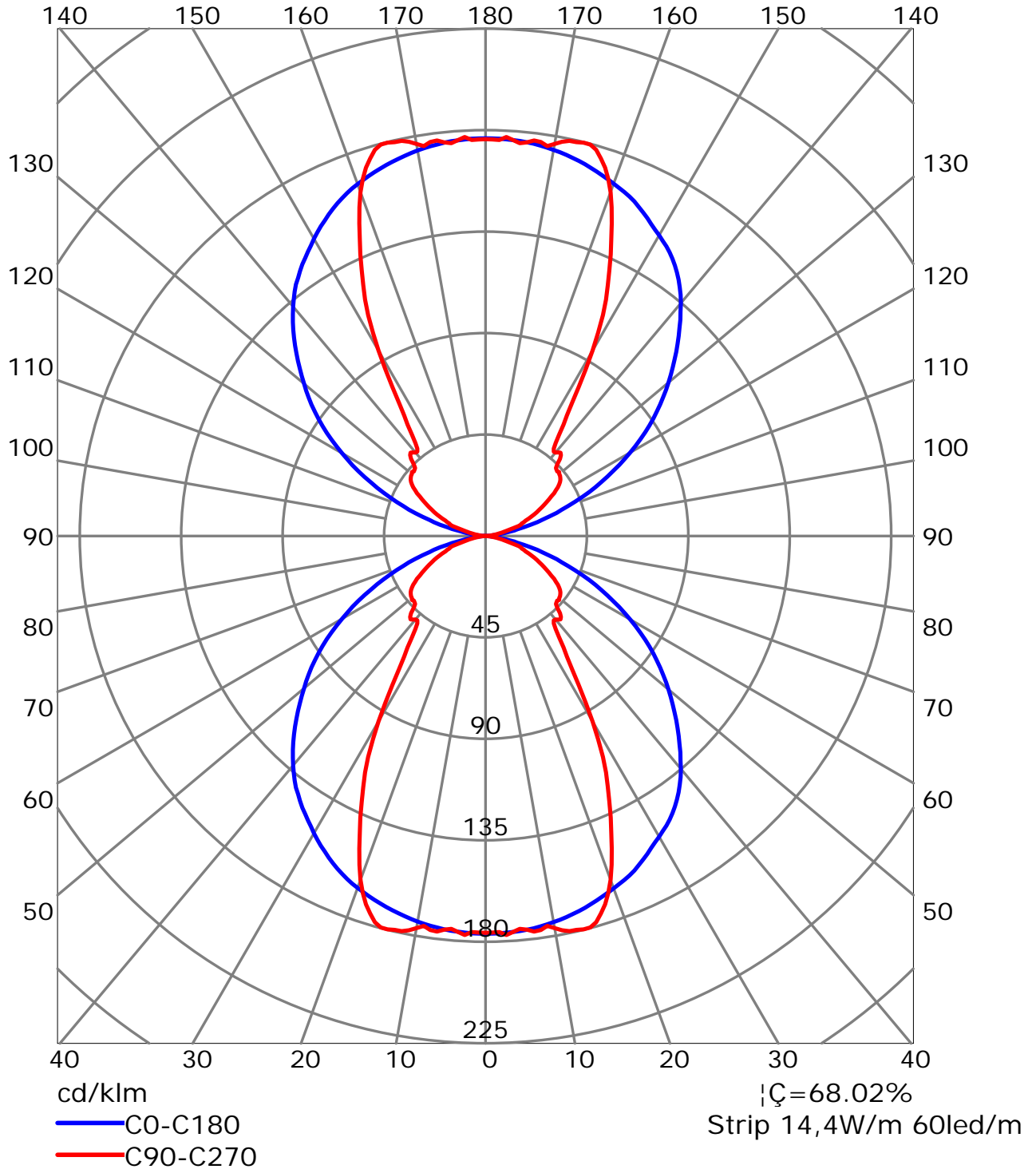


C Plane (°):0.0-180.0: 10.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-2000  
 Distance: 7.970 m  
 Humidity:  
 Inspector:



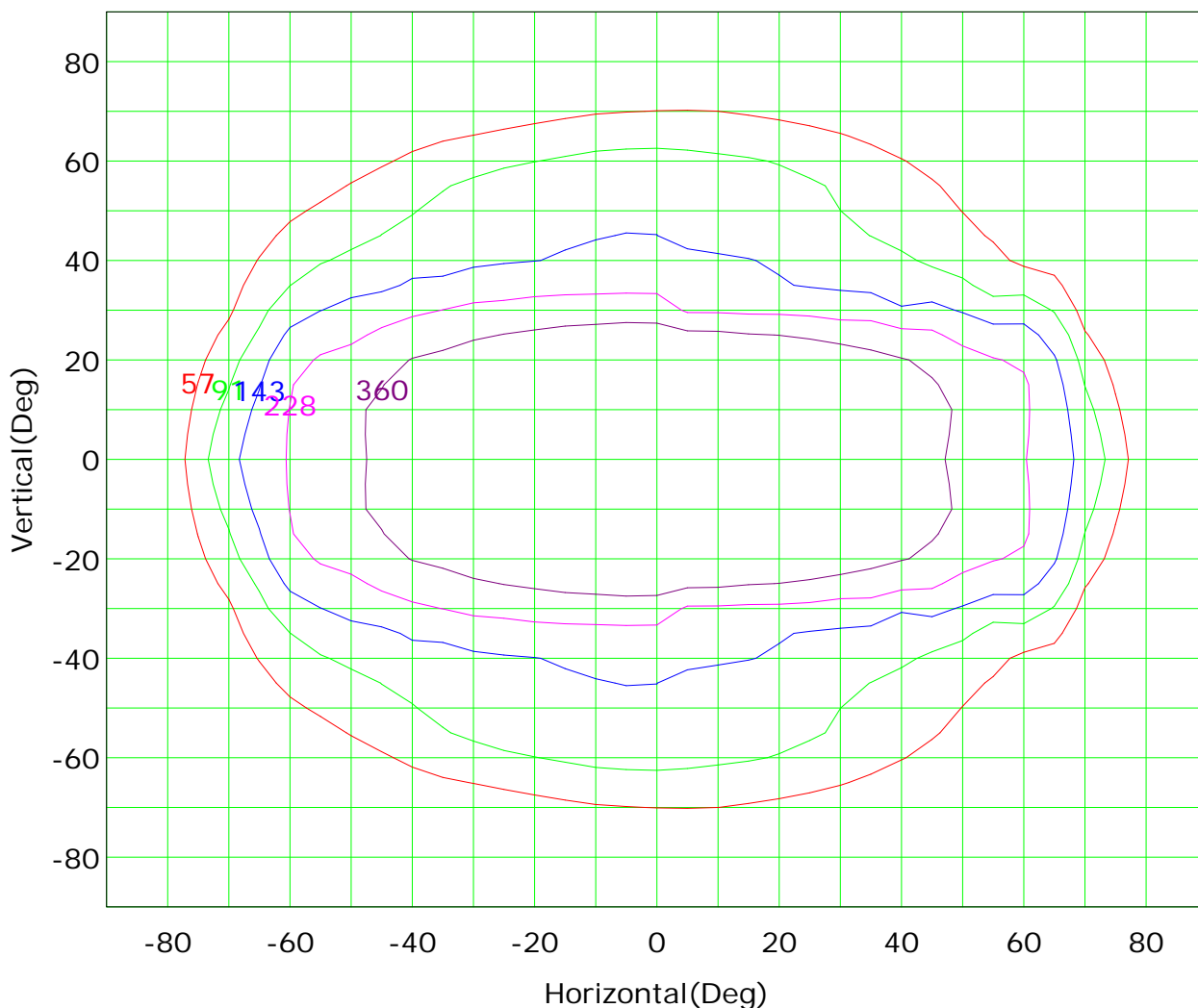
## Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-180.0: 10.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-2000  
Distance: 7.970 m  
Humidity:  
Inspector:

## Isocandela (rectangle)



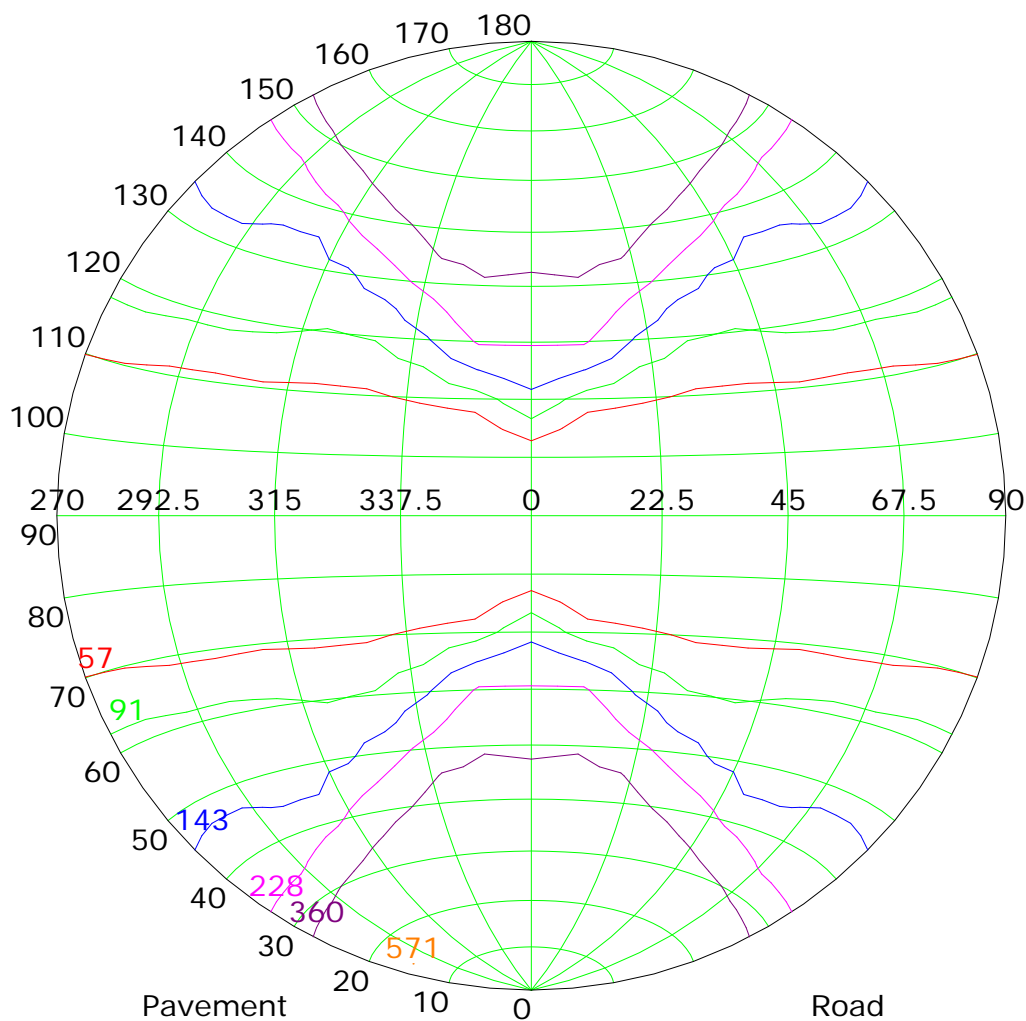
Imax (100%): 571 cd

- |           |        |           |        |
|-----------|--------|-----------|--------|
| — ( 10%): | 57 cd  | — ( 16%): | 91 cd  |
| — ( 25%): | 143 cd | — ( 40%): | 228 cd |
| — ( 63%): | 360 cd | — (100%): | 571 cd |

C Plane (°):0.0-180.0: 10.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-2000  
 Distance: 7.970 m  
 Humidity:  
 Inspector:

## Isocandela (sphere)



Imax (100%): 571 cd

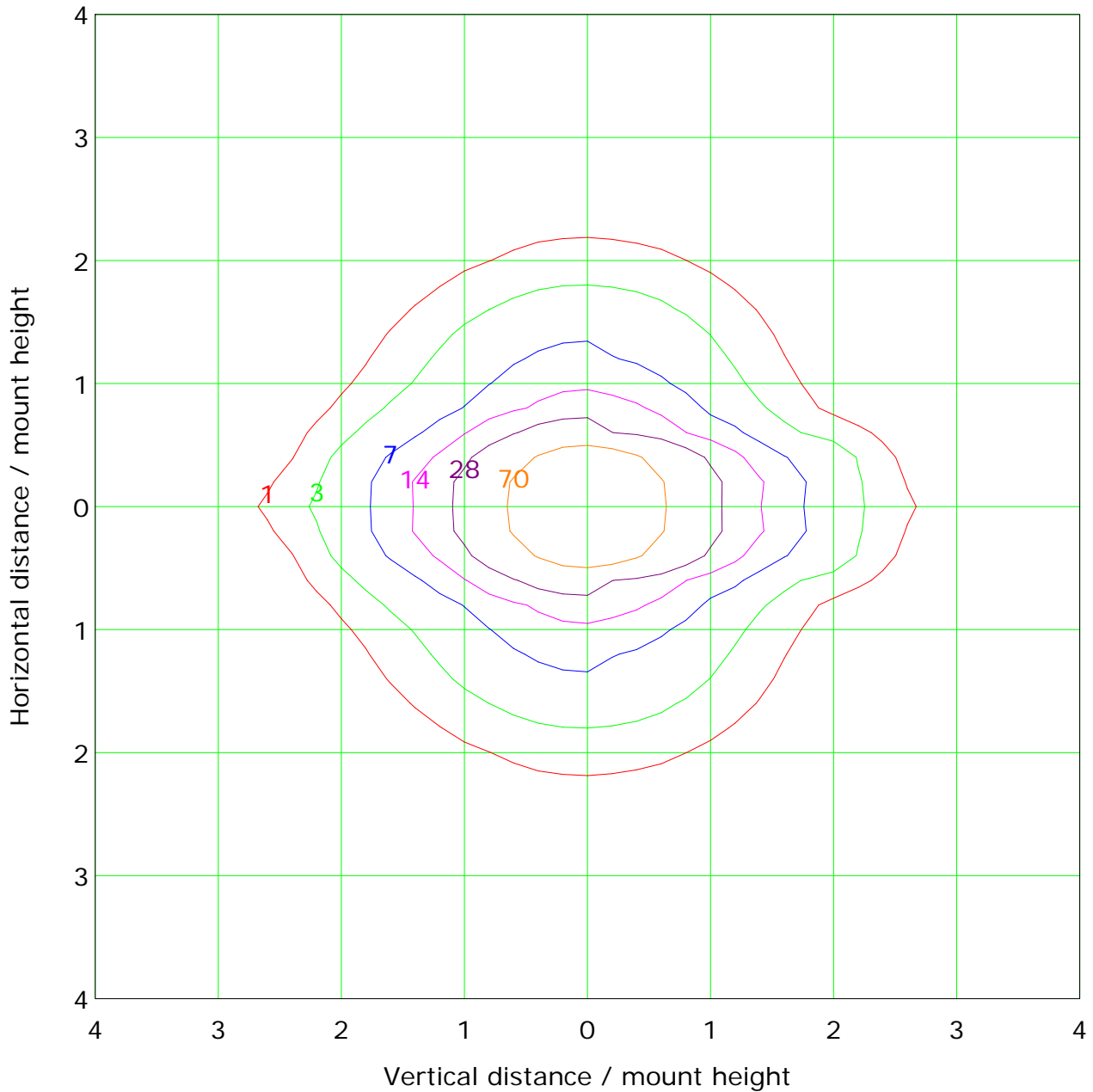
|           |        |           |        |
|-----------|--------|-----------|--------|
| — ( 10%): | 57 cd  | — ( 16%): | 91 cd  |
| — ( 25%): | 143 cd | — ( 40%): | 228 cd |
| — ( 63%): | 360 cd | — (100%): | 571 cd |

C Plane (°):0.0-180.0: 10.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-2000  
 Distance: 7.970 m  
 Humidity:  
 Inspector:



## IsoLux Plot



|                       |          |                         |
|-----------------------|----------|-------------------------|
| Mounting Height: 2.0m |          | Max Lux(100%): 140.4 lx |
| — ( 1%):              | 1.4 lx   | — ( 2%): 2.8 lx         |
| — ( 5%):              | 7.0 lx   | — ( 10%): 14.0 lx       |
| — ( 20%):             | 28.1 lx  | — ( 50%): 70.2 lx       |
| — (100%):             | 140.4 lx |                         |

C Plane (°):0.0-180.0: 10.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-2000  
 Distance: 7.970 m  
 Humidity:  
 Inspector:



## Lum Limit Curve

| Dazzle | Quality | Illuminance (lx) |      |      |       |       |       |       |       |
|--------|---------|------------------|------|------|-------|-------|-------|-------|-------|
|        |         | a                | b    | c    | d     | e     | f     | g     | h     |
| 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         | 382 | 336 | 288 | 235 | 180 | 123 | 76  | 33  | 7   |
| C90        | 143 | 135 | 127 | 103 | 80  | 58  | 35  | 17  | 5   |
| C180       | 379 | 333 | 287 | 233 | 177 | 123 | 75  | 32  | 7   |
| C270       | 143 | 135 | 127 | 103 | 80  | 58  | 35  | 17  | 5   |

C Plane (°):0.0-180.0: 10.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-2000

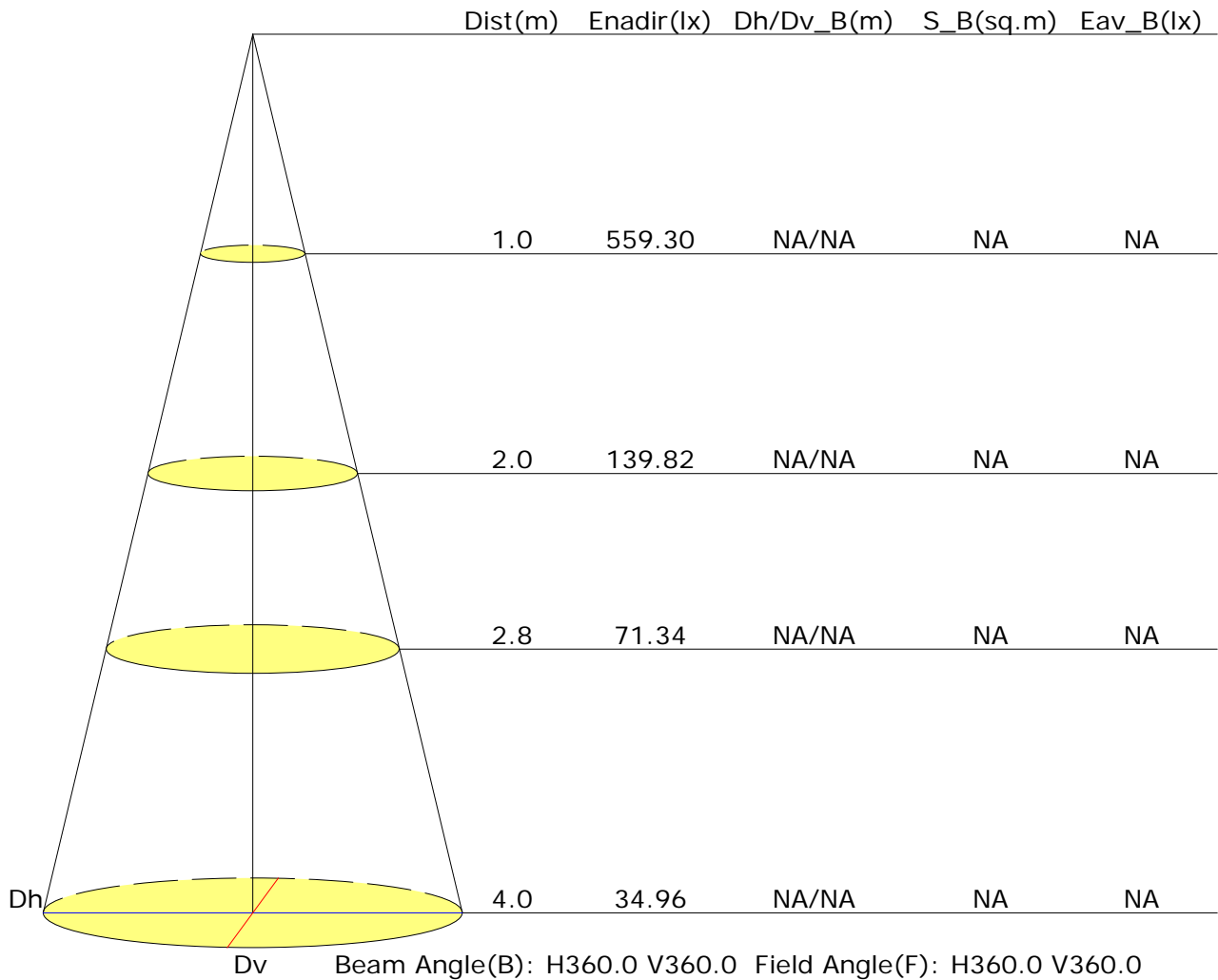
Distance: 7.970 m

Humidity:

Inspector:



## Illuminance at a Distance



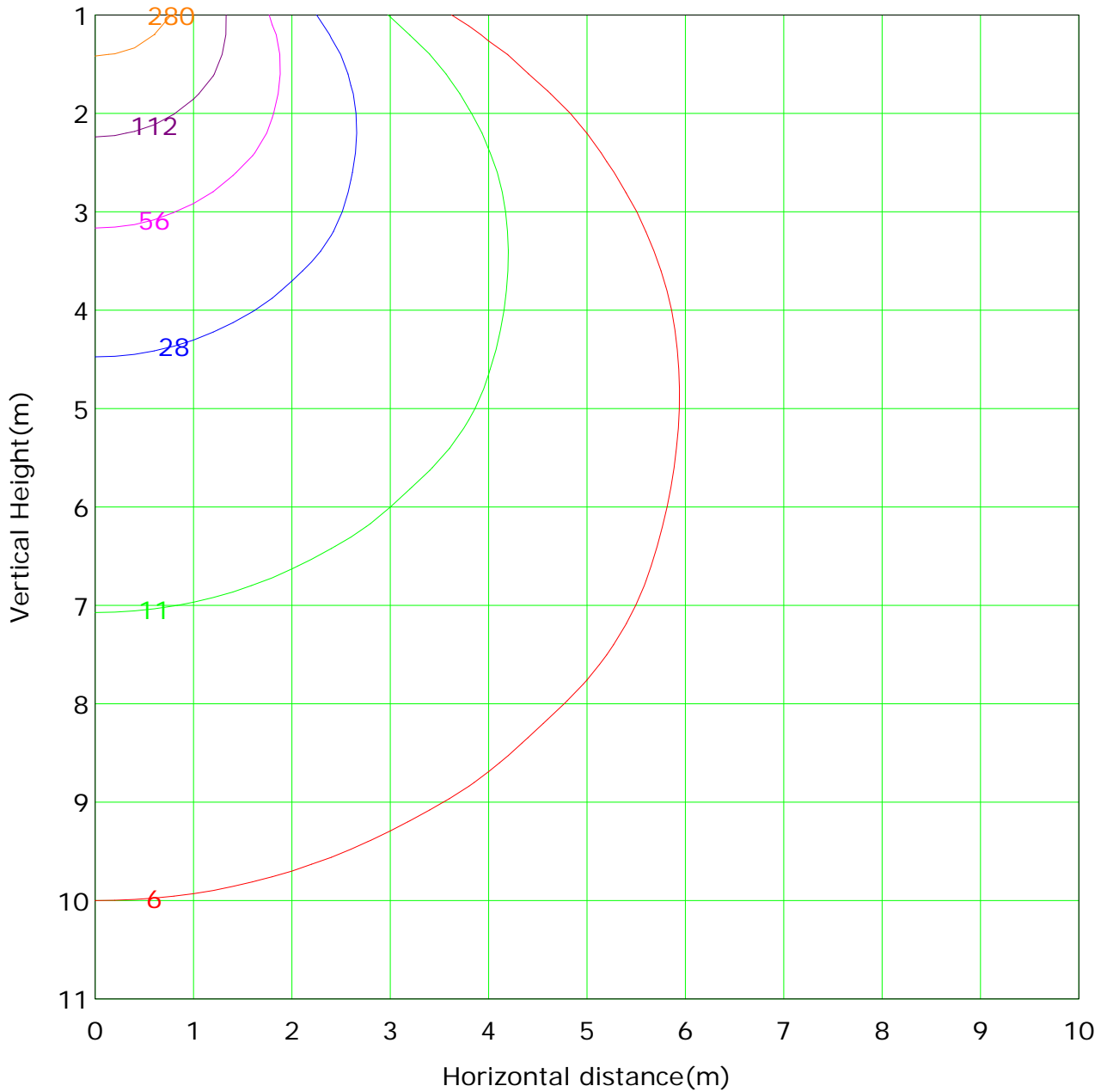
C Plane (°):0.0-180.0: 10.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-2000  
 Distance: 7.970 m  
 Humidity:  
 Inspector:





## Vertical IsoLux Plot



|                    |                    |                   |
|--------------------|--------------------|-------------------|
| Lowest(m): 1.0m    | Highest(m): 11.0m  | Max Lux: 559.3 lx |
| — ( 1%): 5.6 lx    | — ( 2%): 11.2 lx   |                   |
| — ( 5%): 28.0 lx   | — ( 10%): 55.9 lx  |                   |
| — ( 20%): 111.9 lx | — ( 50%): 279.6 lx |                   |
| — (100%): 559.3 lx |                    |                   |

C Plane (°):0.0-180.0: 10.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-2000  
 Distance: 7.970 m  
 Humidity:  
 Inspector:



Report No.:

Test Time: 31/01/2020 12:36

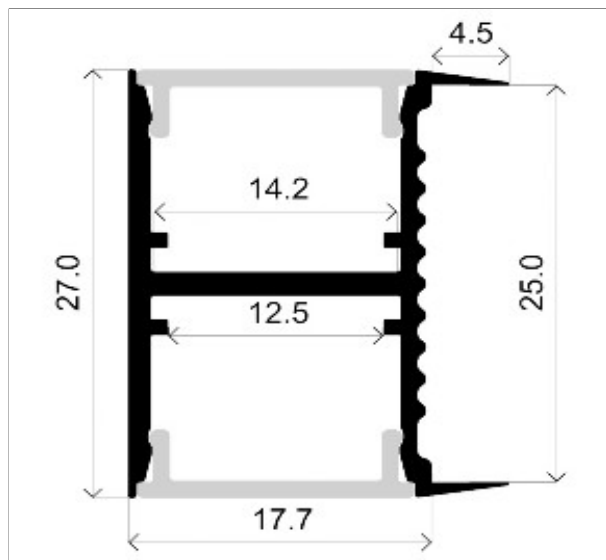
## Luminaire Property

Luminaire Manufacturer: Lighting line  
 Luminaire Description: LLP-SH03-03 + LLD-03-FH  
 Lamp Description: Strip 14,4W/m 60led/m      Number of Lamps: 2  
 Lumens per Lamp: 1579 lm      Voltage: 24.0 V  
 Current: 1.180      Power: 28.30 W  
 Power Factor: 1.000

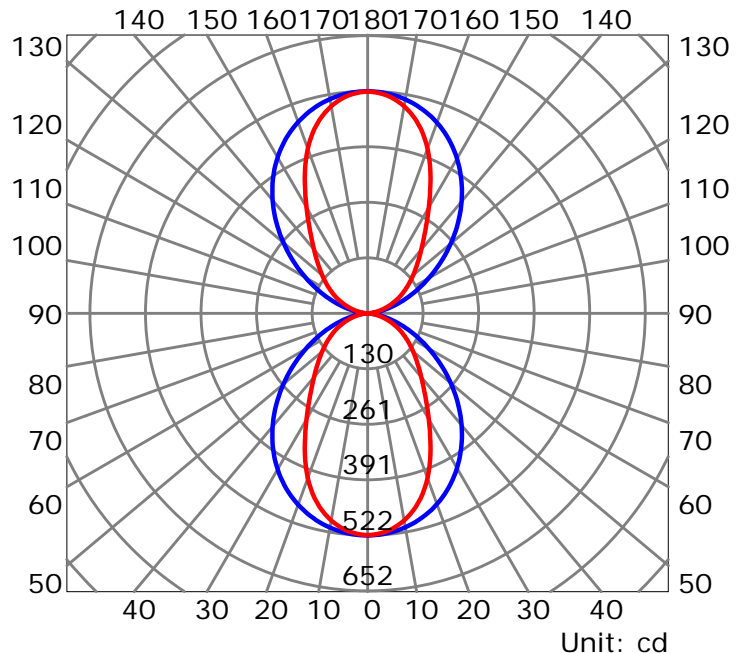
## Photometric Results

|   |                                    |
|---|------------------------------------|
| CIE Class: General Diffuse  | Total Rated Lamp Lumens: 3158.0 lm |
| Measurement Flux: 2030.8 lm   | Efficiency: 64.31%                 |
| Downward Ratio: 32.15%  | Upward Ratio: 32.15%               |
| Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 360.0, 360.0, 360.0, 360.0 |                                    |
| Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 360.0, 360.0, 360.0, 360.0  |                                    |
| Luminaire Efficacy Rating (LER): 71.81                                      | Central Intensity: 522.3 cd        |
| Max. Intensity: 522.3 cd  | Pos of Max. Intensity: H0 V0       |
| S/MH(C0/C180): 1.20   | S/MH(C90/C270): 0.93               |

Picture Of Luminaire



Luminous Intensity Distribution Curve



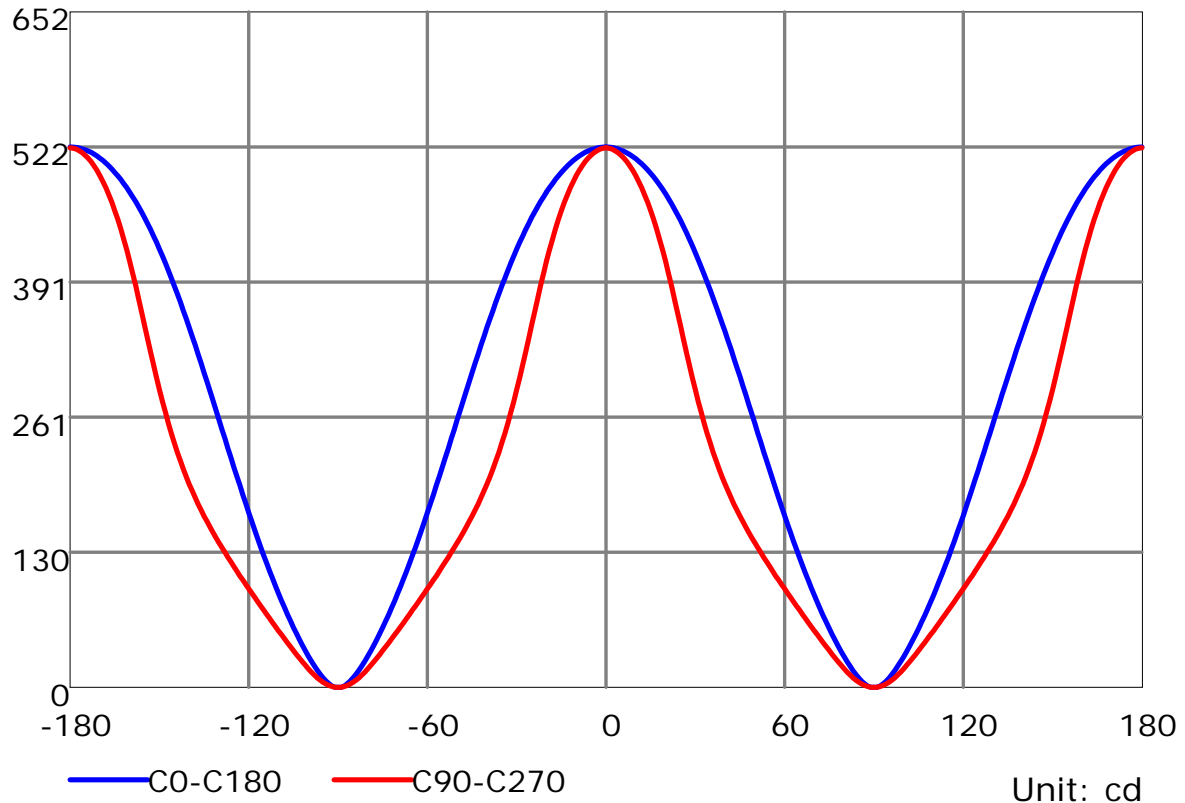
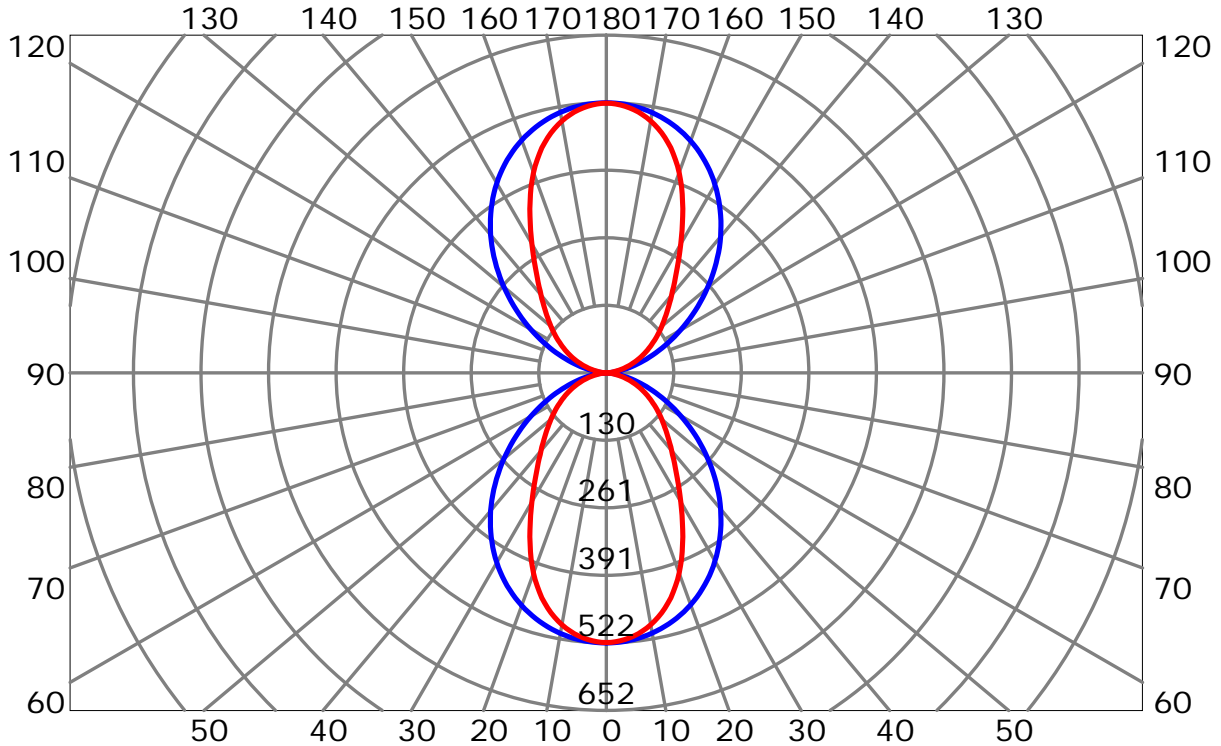
— C0-C180      — C90-C270

C Plane (°):0.0-180.0: 10.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-2000  
 Distance: 7.970 m  
 Humidity:  
 Inspector:



## Luminous Intensity Distribution Curve

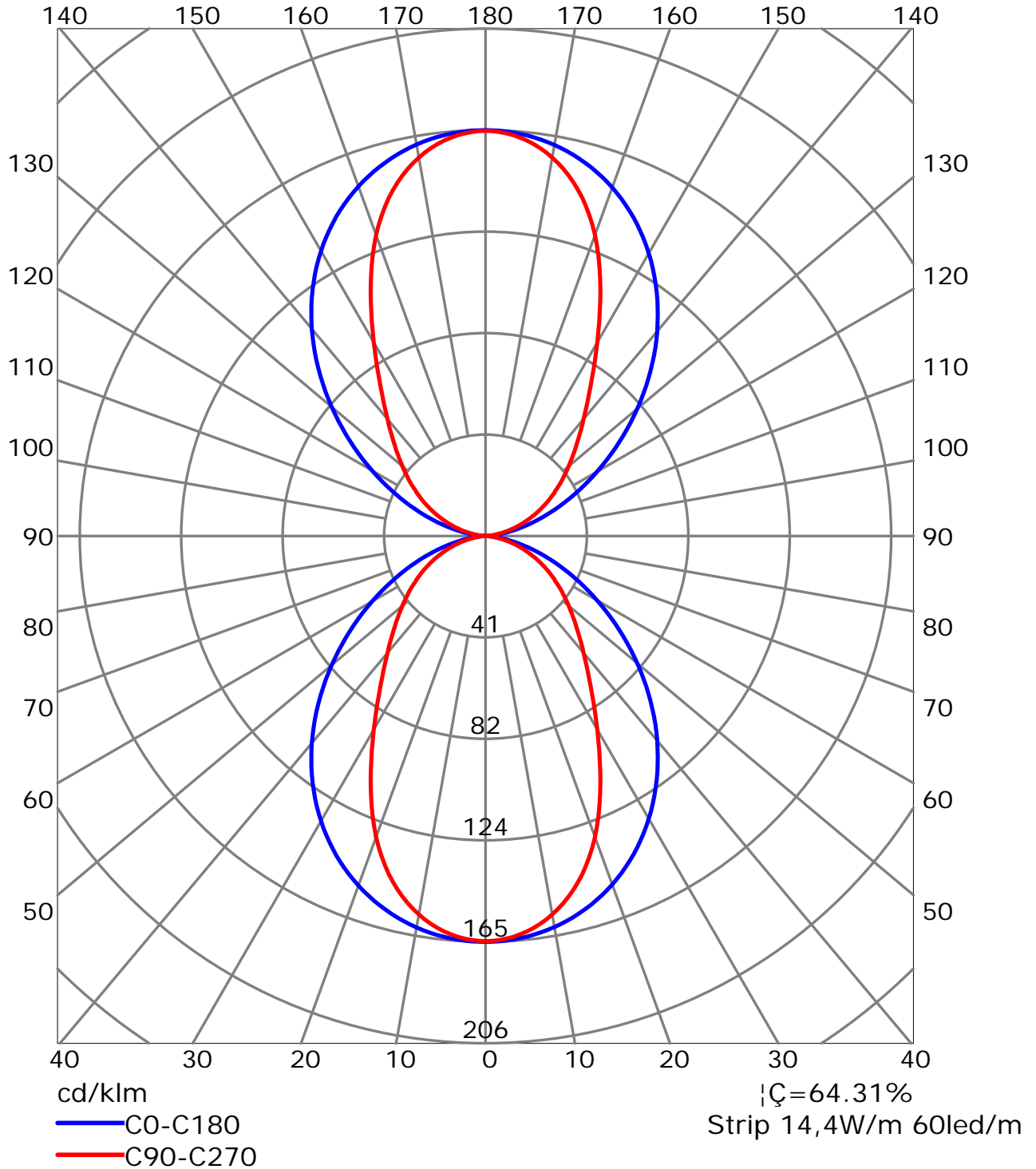


C Plane (°):0.0-180.0: 10.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-2000  
 Distance: 7.970 m  
 Humidity:  
 Inspector:



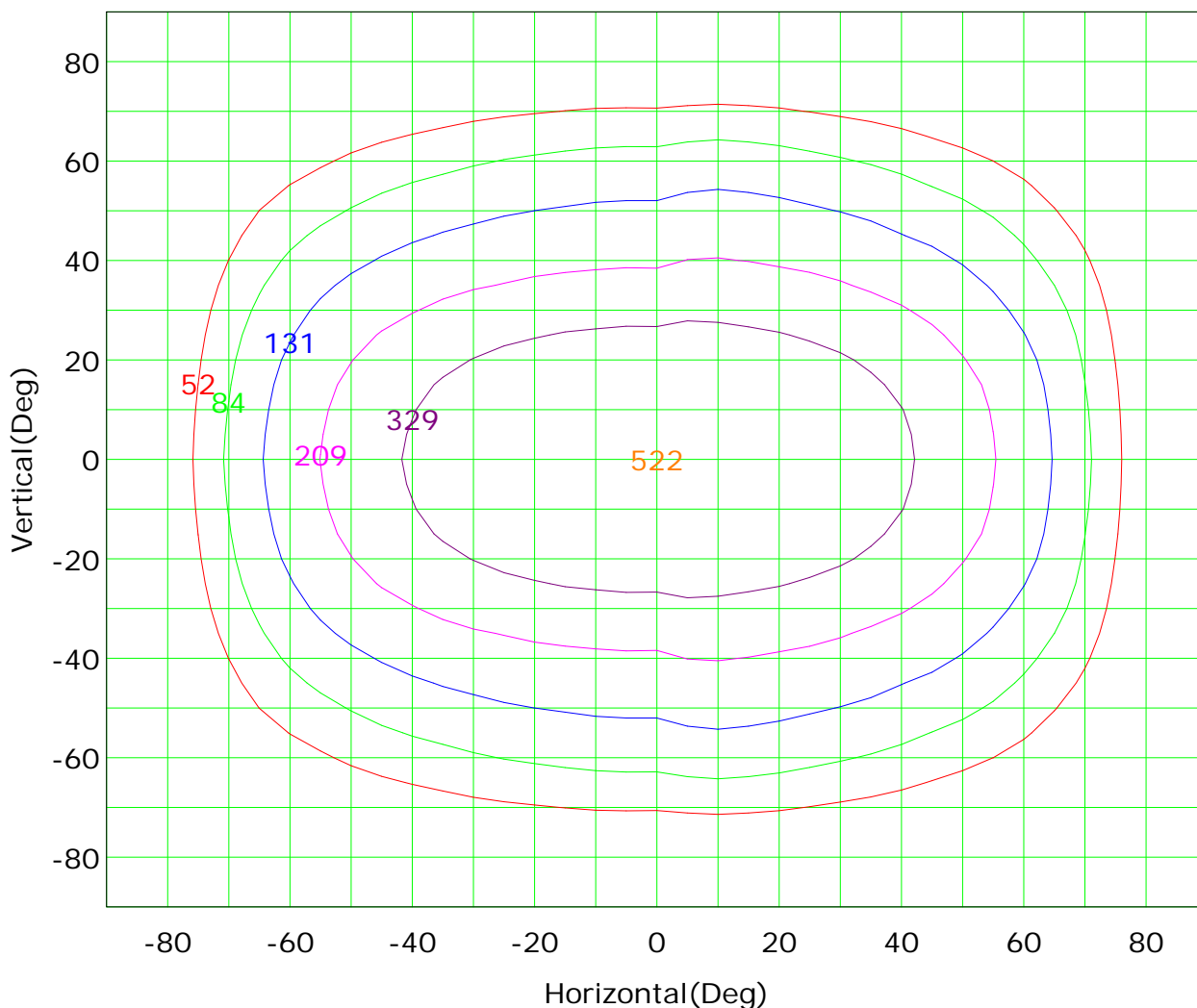
## Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-180.0: 10.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-2000  
 Distance: 7.970 m  
 Humidity:  
 Inspector:

## Isocandela (rectangle)



Imax (100%): 522 cd

- |           |        |           |        |
|-----------|--------|-----------|--------|
| — ( 10%): | 52 cd  | — ( 16%): | 84 cd  |
| — ( 25%): | 131 cd | — ( 40%): | 209 cd |
| — ( 63%): | 329 cd | — (100%): | 522 cd |

C Plane (°):0.0-180.0: 10.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

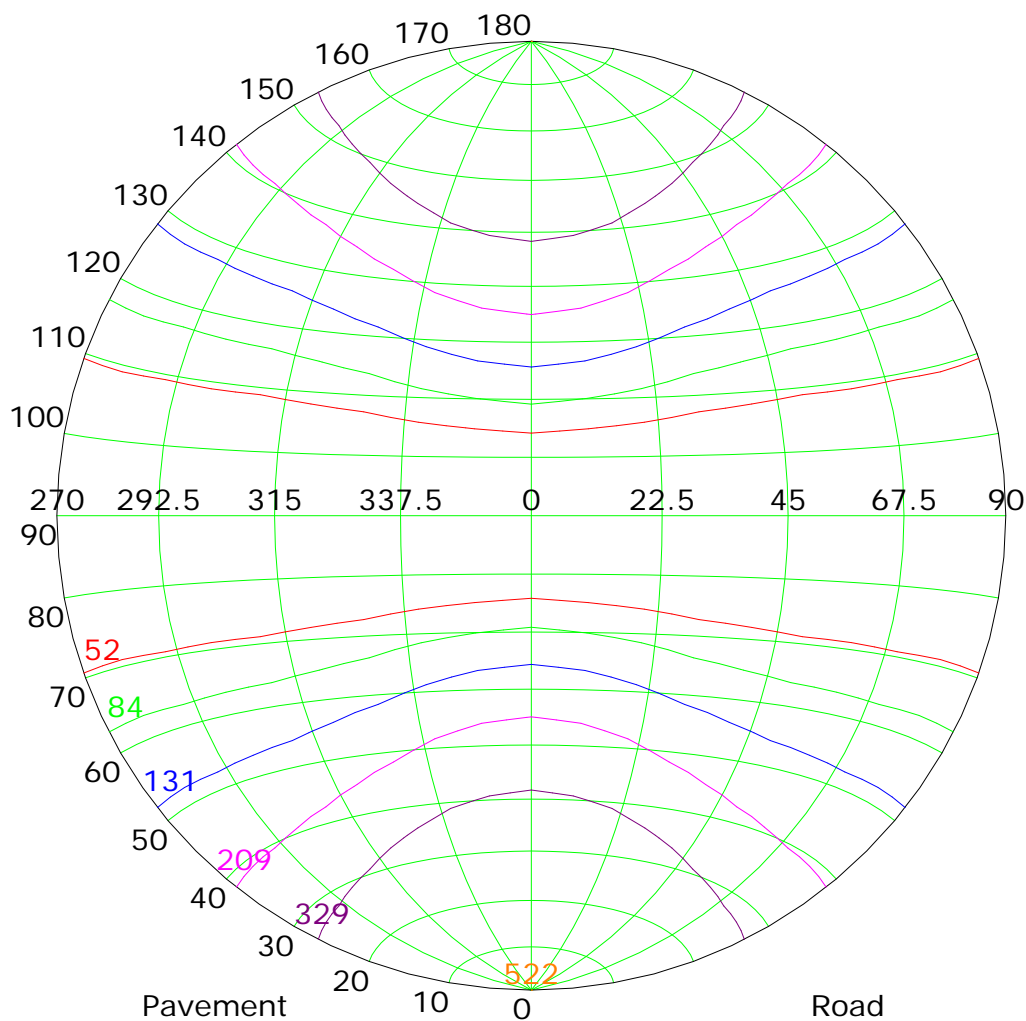
Test Device: GPM-2000

Distance: 7.970 m

Humidity:

Inspector:

## Isocandela (sphere)



Imax (100%): 522 cd

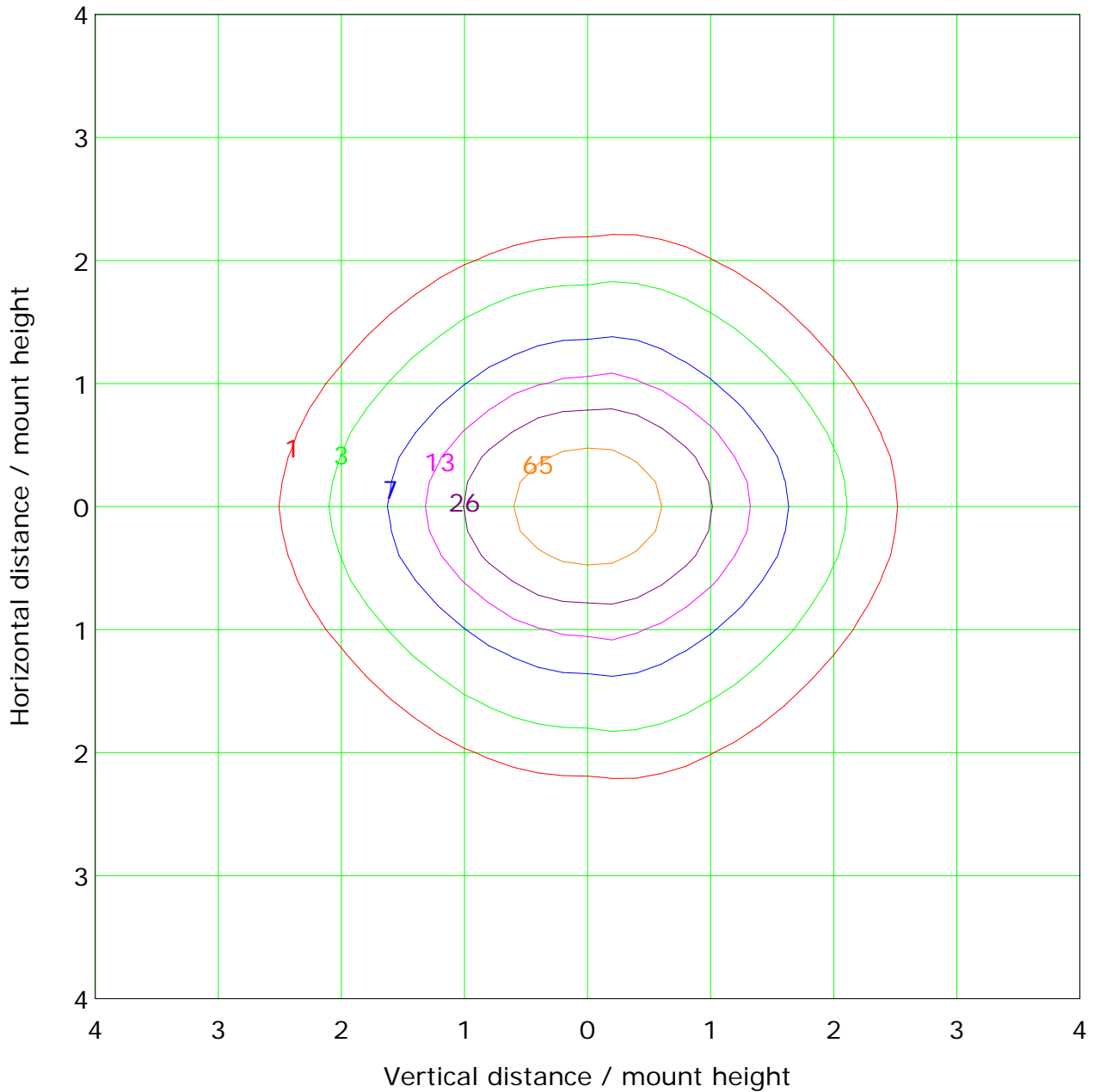
|           |        |           |        |
|-----------|--------|-----------|--------|
| — ( 10%): | 52 cd  | — ( 16%): | 84 cd  |
| — ( 25%): | 131 cd | — ( 40%): | 209 cd |
| — ( 63%): | 329 cd | — (100%): | 522 cd |

C Plane (°):0.0-180.0: 10.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-2000  
 Distance: 7.970 m  
 Humidity:  
 Inspector:



## IsoLux Plot



|                       |          |                         |
|-----------------------|----------|-------------------------|
| Mounting Height: 2.0m |          | Max Lux(100%): 130.6 lx |
| — ( 1%):              | 1.3 lx   | — ( 2%): 2.6 lx         |
| — ( 5%):              | 6.5 lx   | — (10%): 13.1 lx        |
| — (20%):              | 26.1 lx  | — (50%): 65.3 lx        |
| — (100%):             | 130.6 lx |                         |

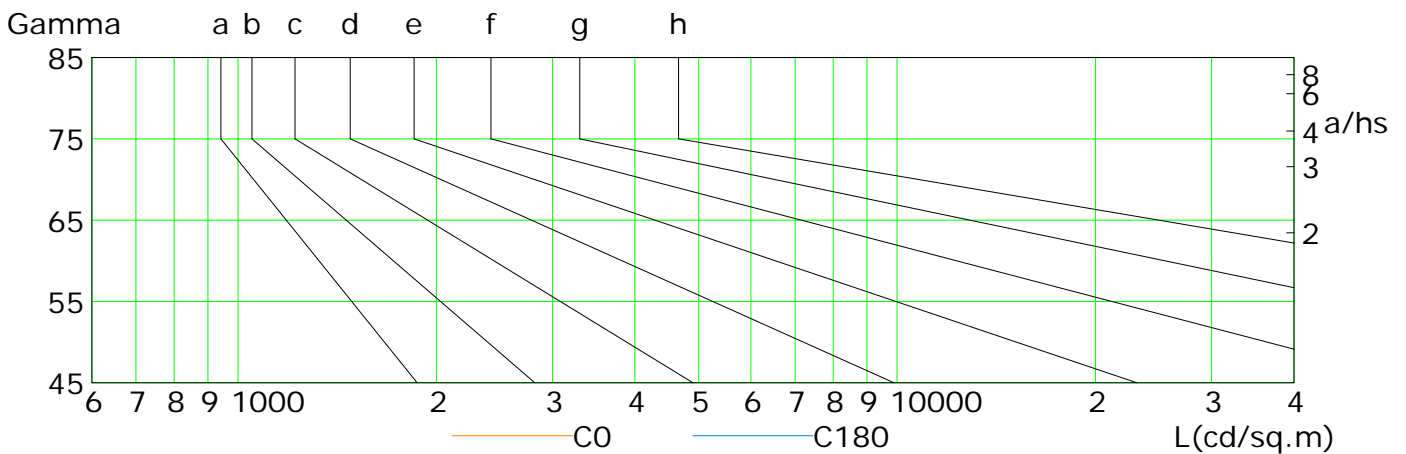
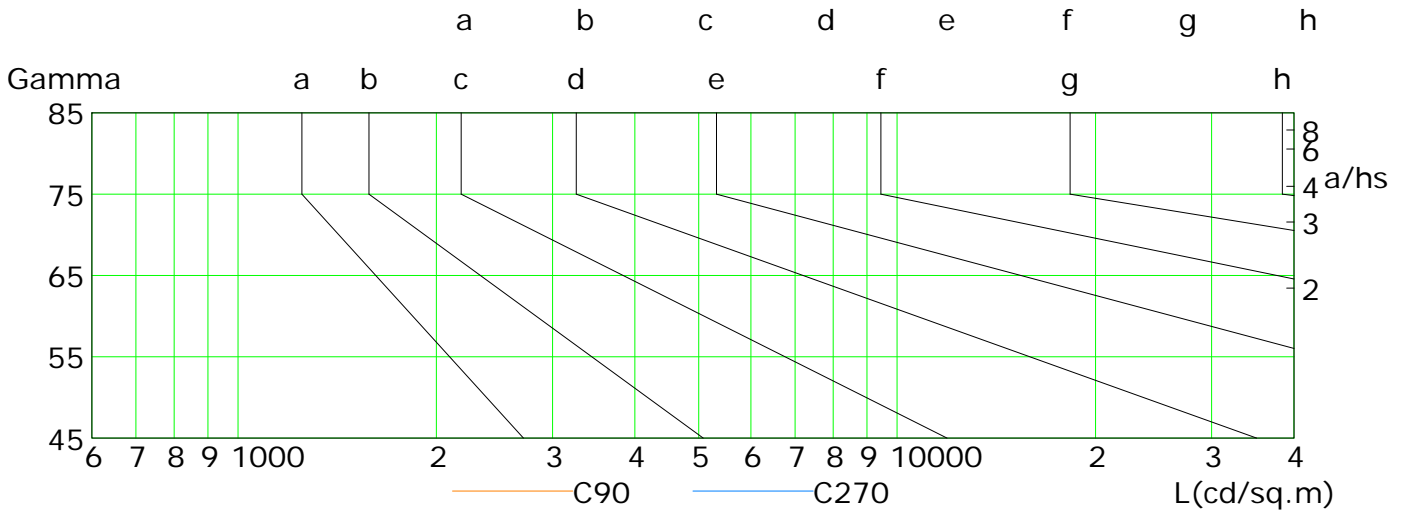
C Plane (°):0.0-180.0: 10.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-2000  
 Distance: 7.970 m  
 Humidity:  
 Inspector:



## Lum Limit Curve

| Dazzle | Quality | Illuminance (lx) |      |      |       |       |       |       |       |
|--------|---------|------------------|------|------|-------|-------|-------|-------|-------|
|        |         | a                | b    | c    | d     | e     | f     | g     | h     |
| 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         | 300 | 255 | 210 | 166 | 125 | 89  | 57  | 30  | 9   |
| C90        | 165 | 140 | 117 | 95  | 75  | 55  | 36  | 18  | 5   |
| C180       | 304 | 259 | 213 | 169 | 128 | 91  | 58  | 30  | 9   |
| C270       | 165 | 140 | 117 | 95  | 75  | 55  | 36  | 18  | 5   |

C Plane (°):0.0-180.0: 10.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-2000

Distance: 7.970 m

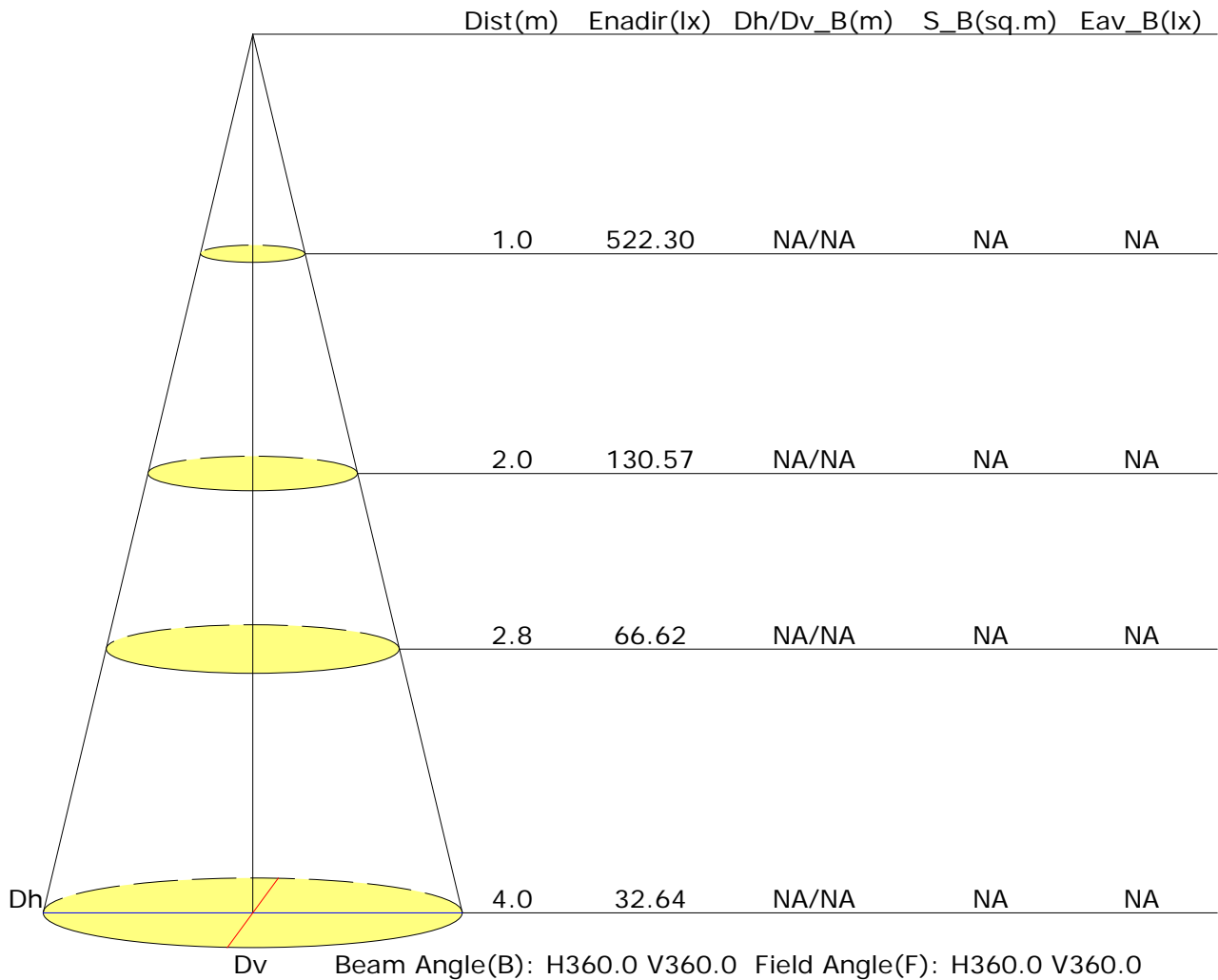
Humidity:

Inspector:





## Illuminance at a Distance

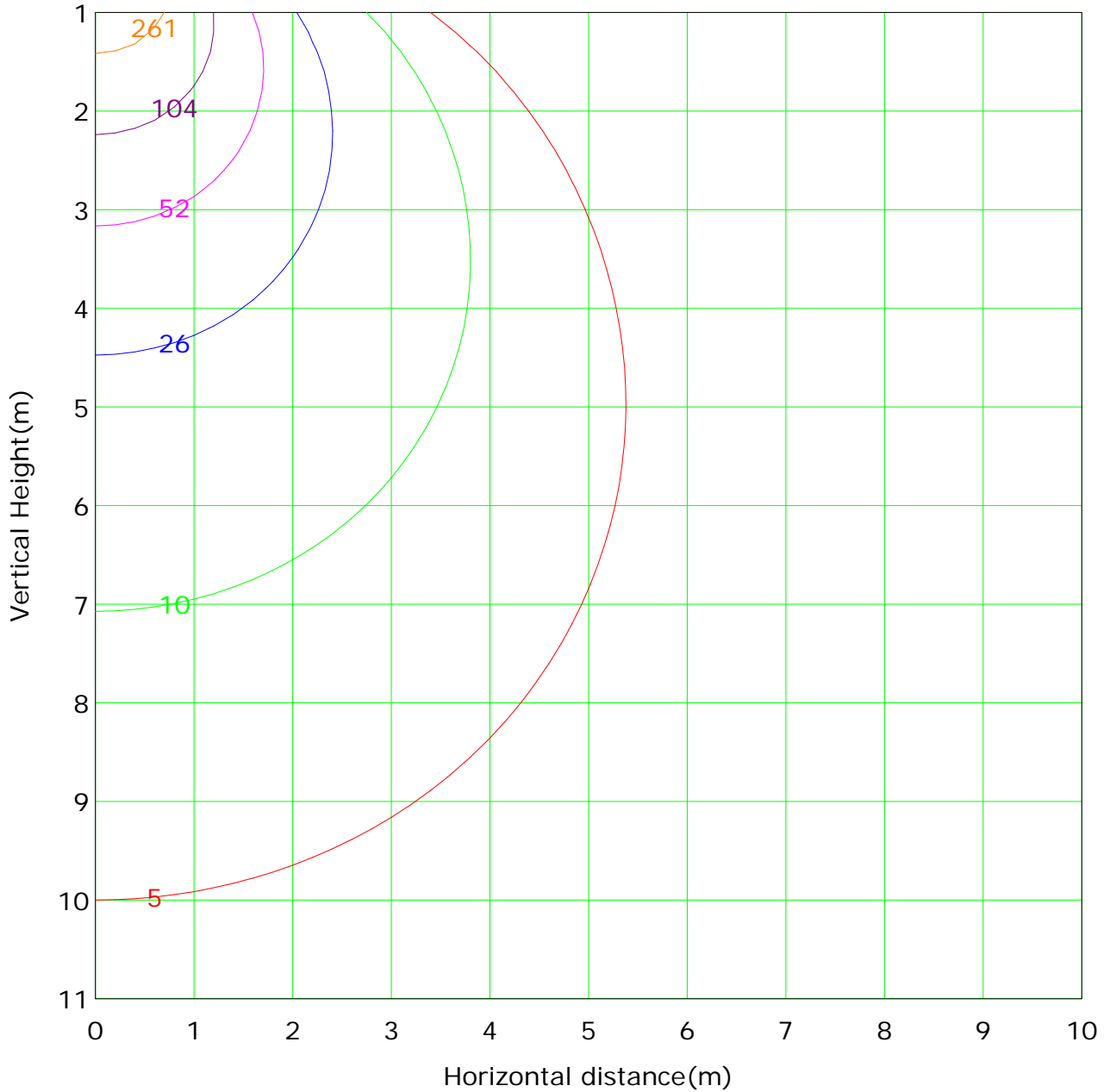


C Plane (°):0.0-180.0: 10.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-2000  
 Distance: 7.970 m  
 Humidity:  
 Inspector:



## Vertical IsoLux Plot



Lowest(m): 1.0m    Highest(m): 11.0m    Max Lux: 522.3 lx

|                    |                    |
|--------------------|--------------------|
| — ( 1%): 5.2 lx    | — ( 2%): 10.4 lx   |
| — ( 5%): 26.1 lx   | — ( 10%): 52.2 lx  |
| — ( 20%): 104.5 lx | — ( 50%): 261.1 lx |
| — (100%): 522.3 lx |                    |

C Plane (°):0.0-180.0: 10.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-2000  
 Distance: 7.970 m  
 Humidity:  
 Inspector:



Report No.:

Test Time: 31/01/2020 11:02

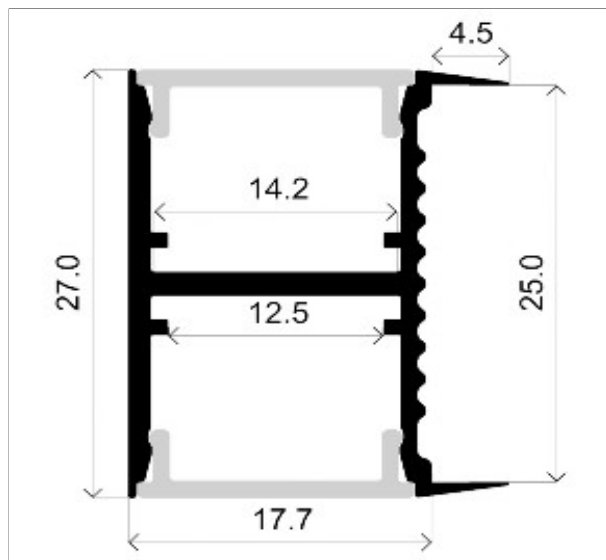
## Luminaire Property

Luminaire Manufacturer: Lighting line  
 Luminaire Description: LLP-SH03-03 + LLD-03-FM  
 Lamp Description: Strip 14,4W/m 60led/m Number of Lamps: 2  
 Lumens per Lamp: 1579 lm Voltage: 24.0 V  
 Current: 1.192 A Power: 28.58 W  
 Power Factor: 1.000

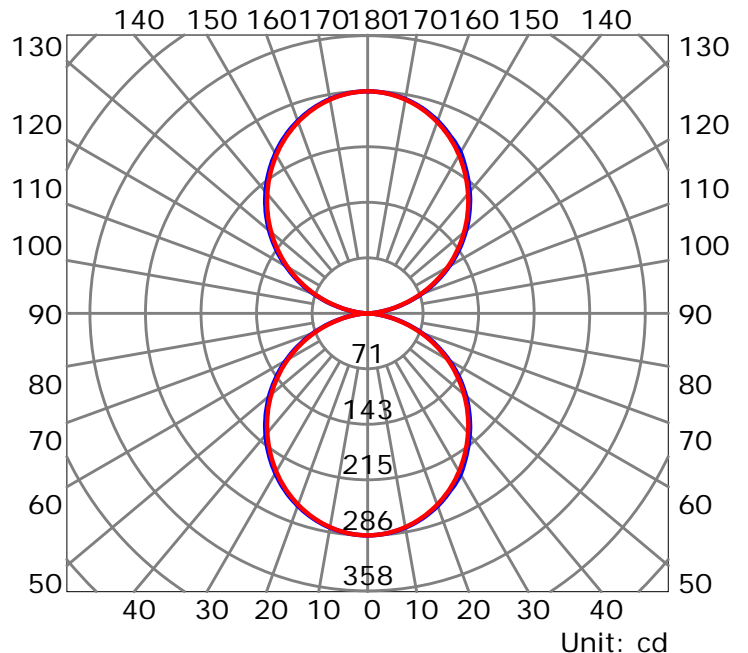
## Photometric Results

|   |                                    |
|---|------------------------------------|
| CIE Class: General Diffuse  | Total Rated Lamp Lumens: 3158.0 lm |
| Measurement Flux: 1584 lm   | Efficiency: 50.16%                 |
| Downward Ratio: 25.08%  | Upward Ratio: 25.08%               |
| Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 360.0, 360.0, 360.0, 360.0 |                                    |
| Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 360.0, 360.0, 360.0, 360.0  |                                    |
| Luminaire Efficacy Rating (LER): 55.47                                      | Central Intensity: 286.82 cd       |
| Max. Intensity: 286.93 cd   | Pos of Max. Intensity: H70 V0      |
| S/MH(C0/C180): 1.24   | S/MH(C90/C270): 1.23               |

Picture Of Luminaire



Luminous Intensity Distribution Curve



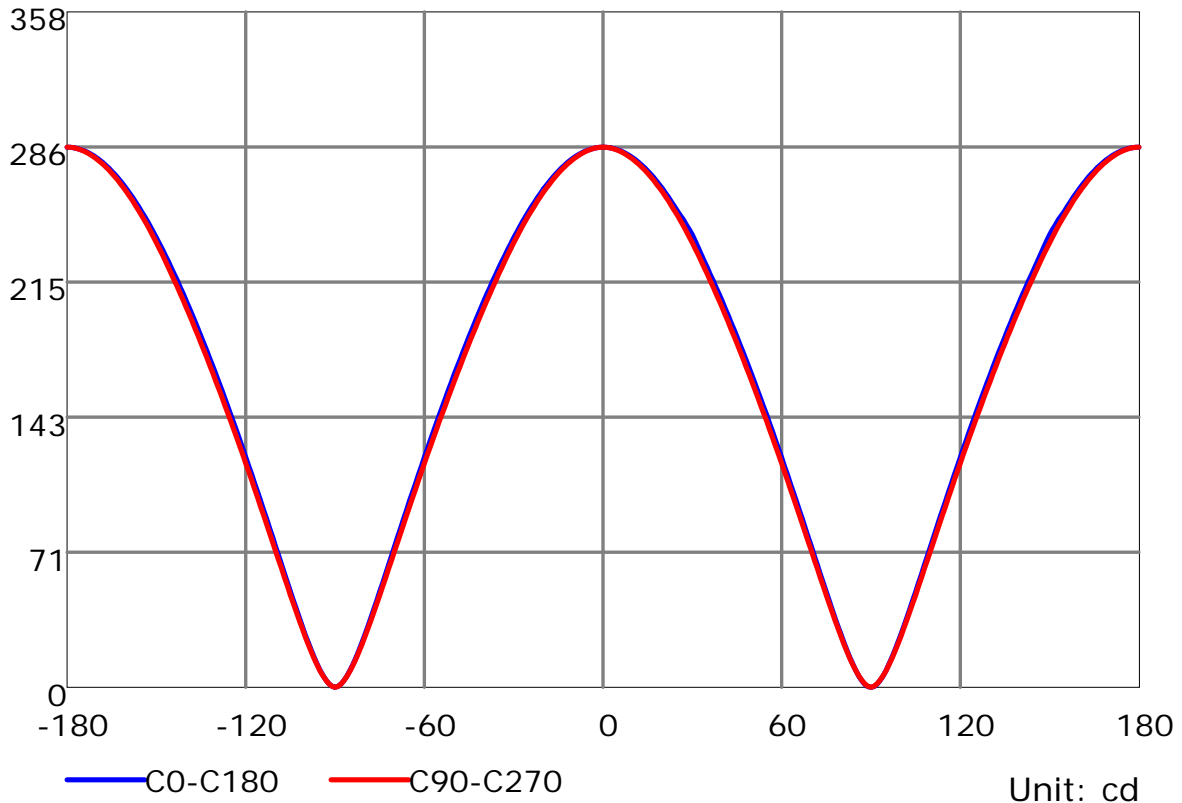
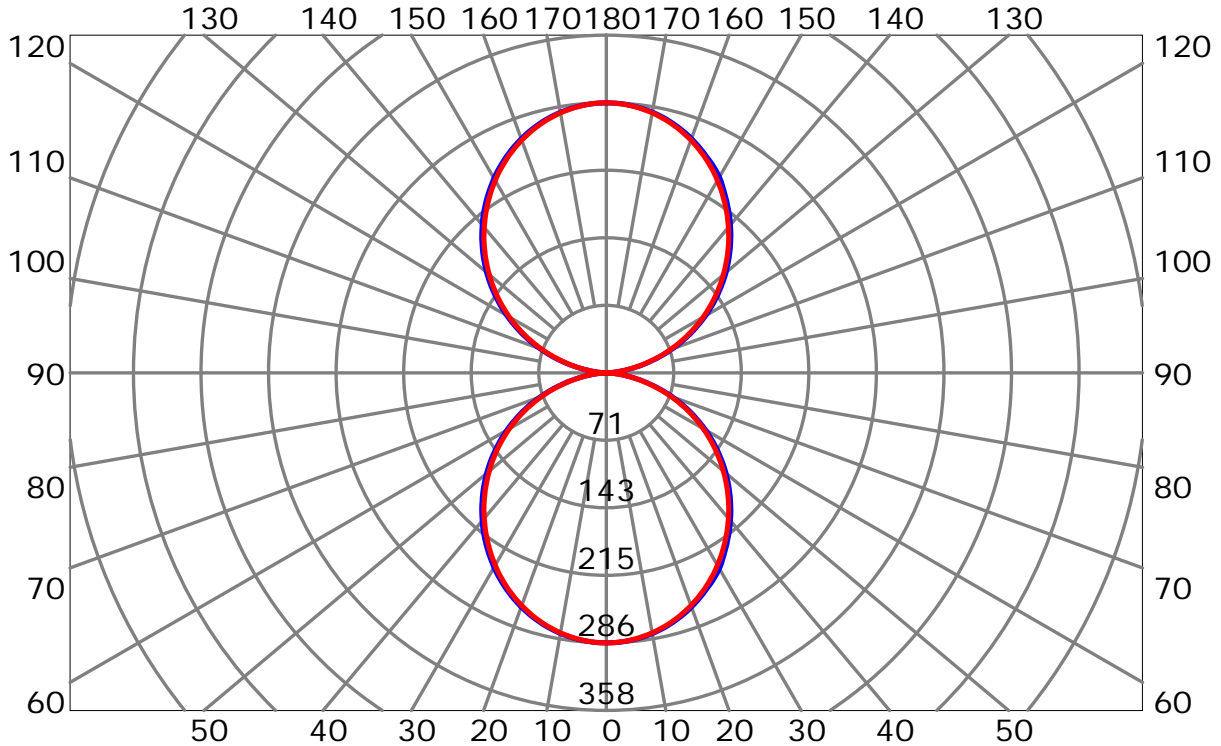
— C0-C180 — C90-C270

C Plane (°):0.0-180.0: 10.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-2000  
 Distance: 7.970 m  
 Humidity:  
 Inspector:



## Luminous Intensity Distribution Curve



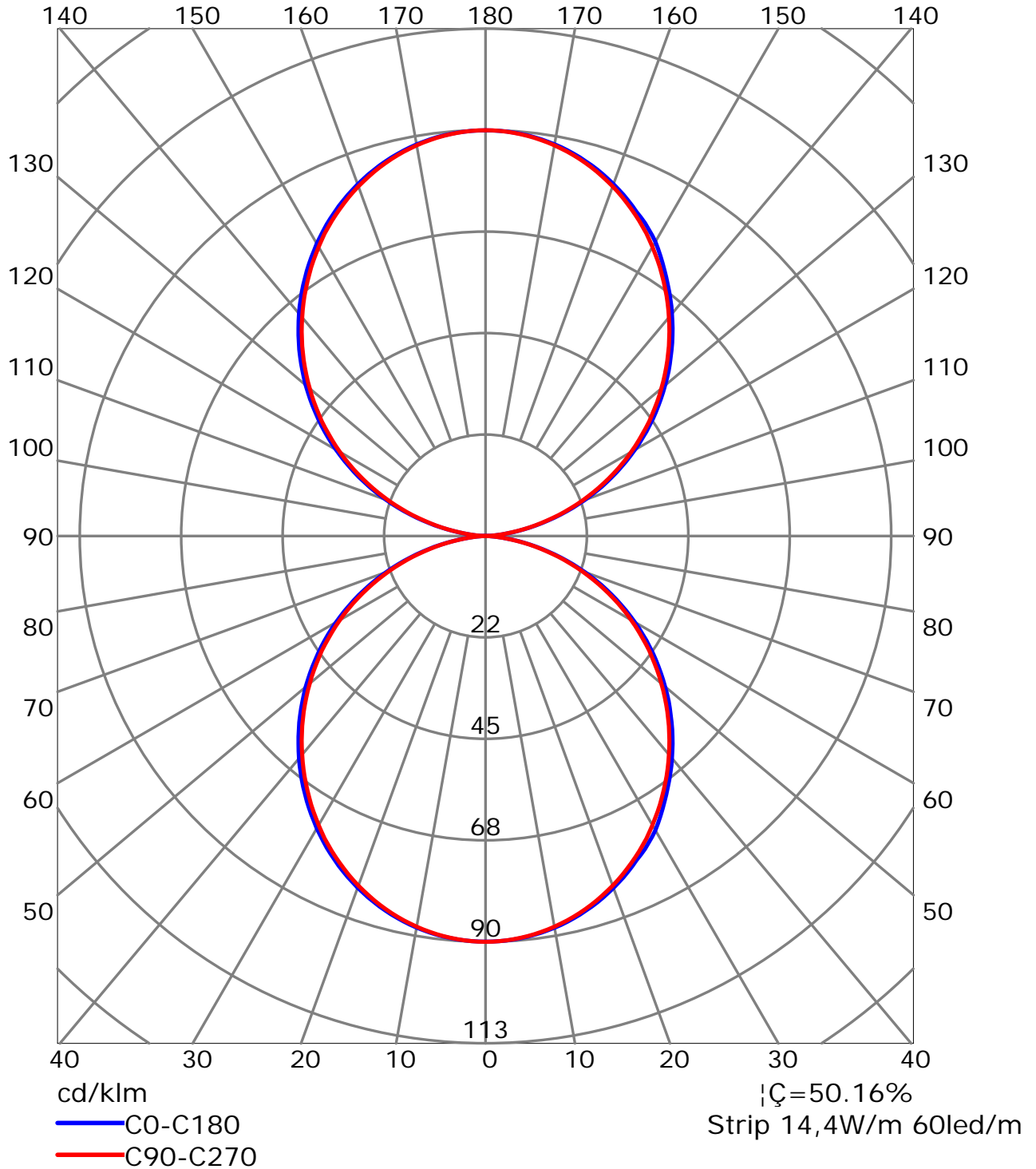
C Plane (°):0.0-180.0: 10.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-2000  
 Distance: 7.970 m  
 Humidity:  
 Inspector:

Unit: cd



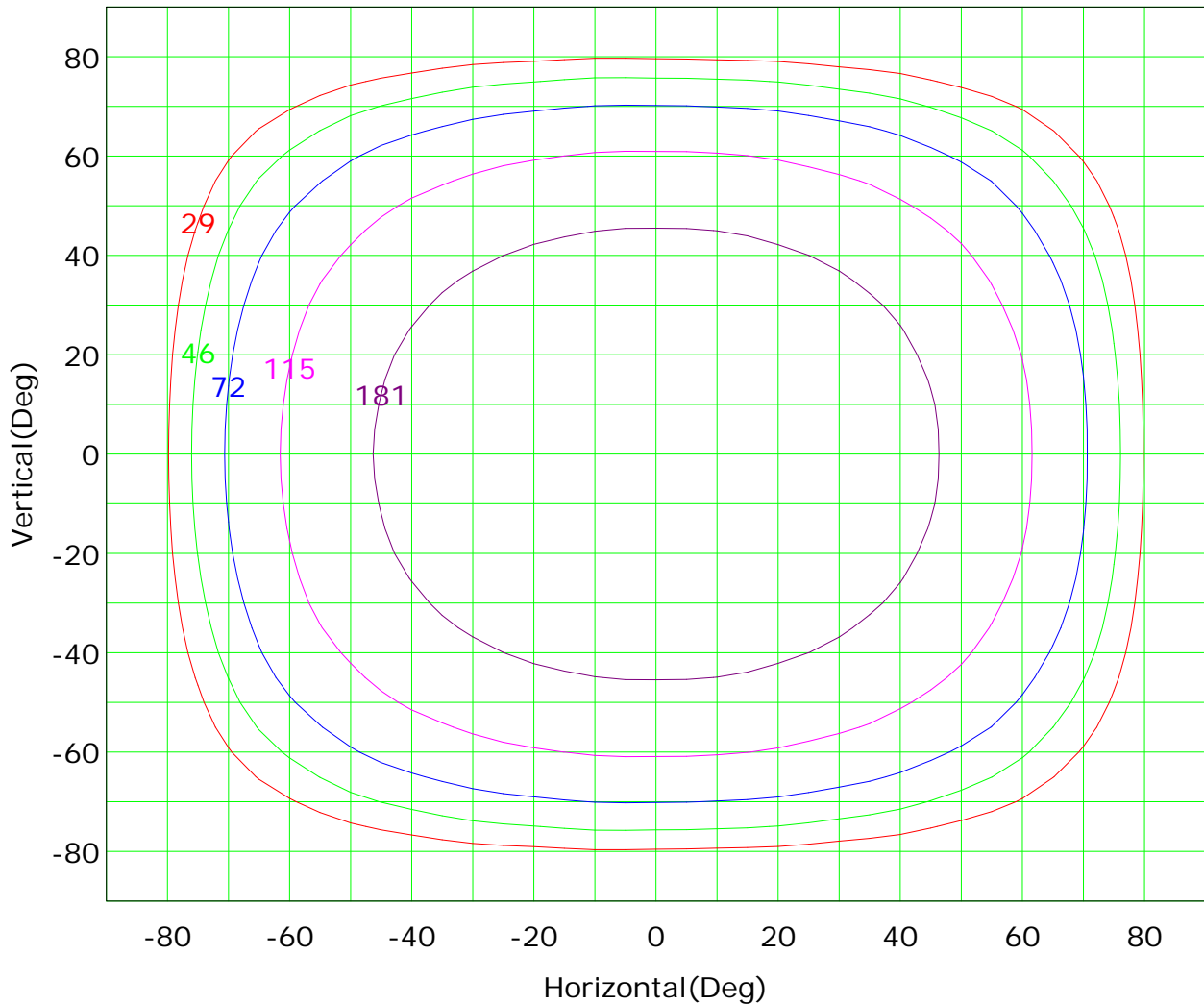
## Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-180.0: 10.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-2000  
 Distance: 7.970 m  
 Humidity:  
 Inspector:

## Isocandela (rectangle)



Imax (100%): 287 cd

|           |        |           |        |
|-----------|--------|-----------|--------|
| — ( 10%): | 29 cd  | — ( 16%): | 46 cd  |
| — ( 25%): | 72 cd  | — ( 40%): | 115 cd |
| — ( 63%): | 181 cd | — (100%): | 287 cd |

C Plane (°):0.0-180.0: 10.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

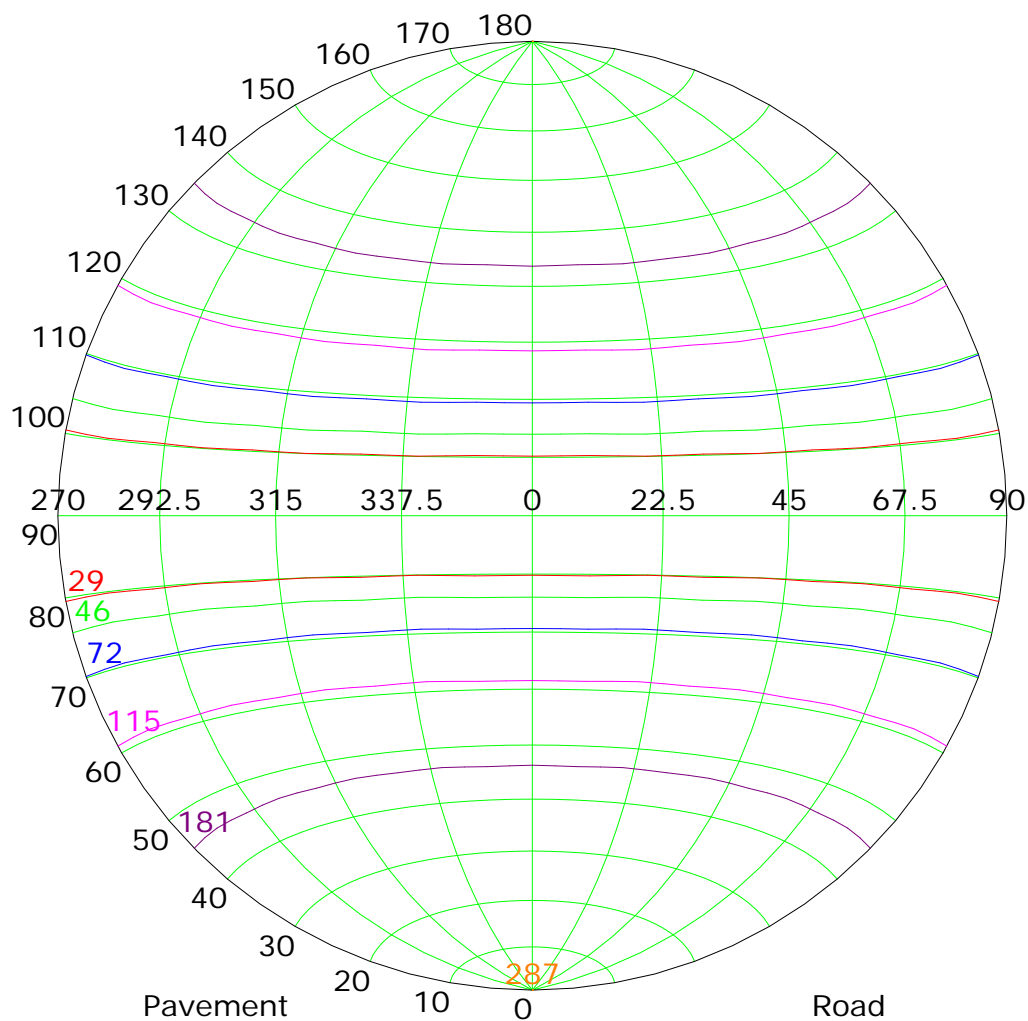
Test Device: GPM-2000

Distance: 7.970 m

Humidity:

Inspector:

## Isocandela (sphere)



Imax (100%): 287 cd

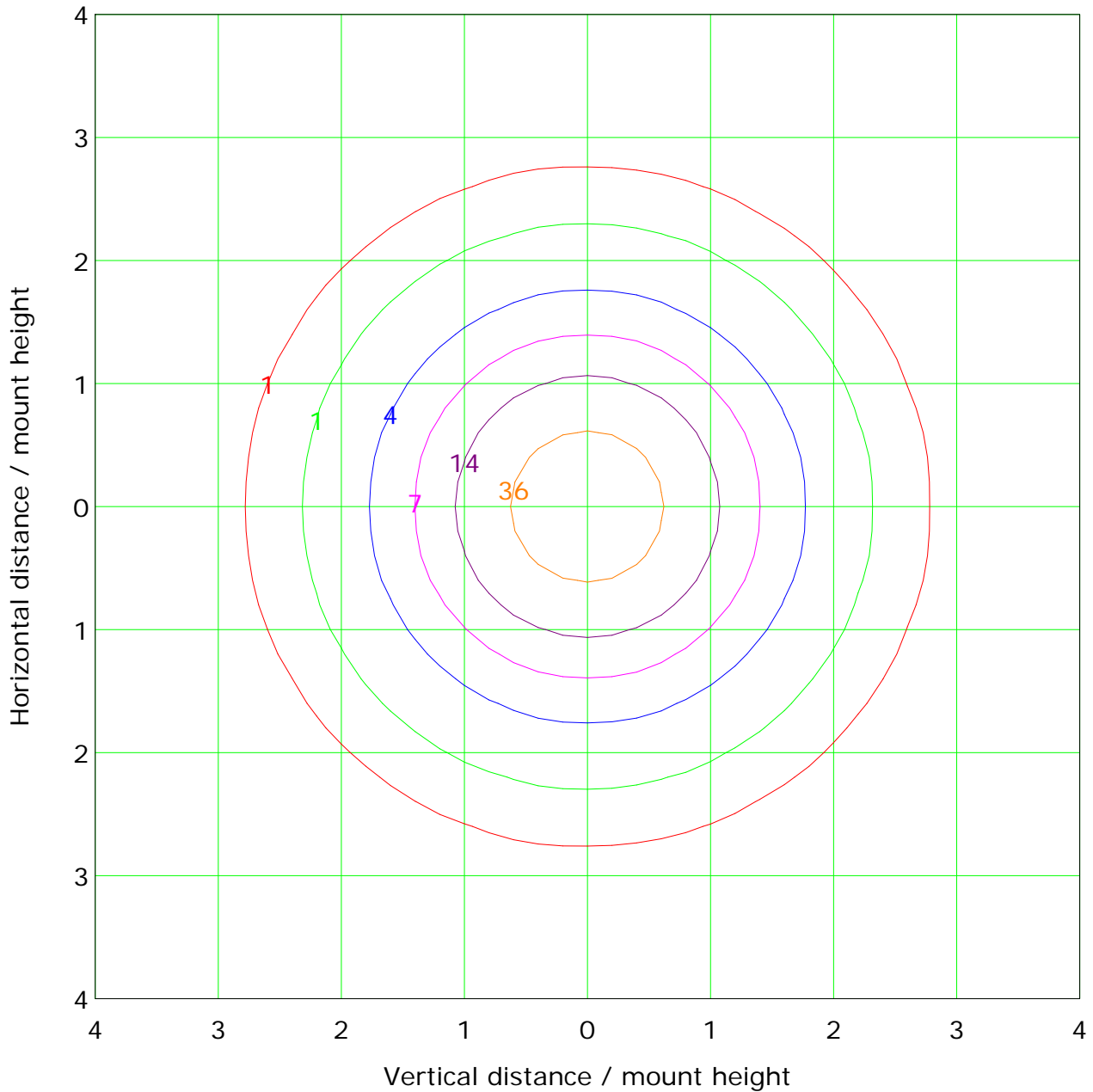
|           |        |           |        |
|-----------|--------|-----------|--------|
| — ( 10%): | 29 cd  | — ( 16%): | 46 cd  |
| — ( 25%): | 72 cd  | — ( 40%): | 115 cd |
| — ( 63%): | 181 cd | — (100%): | 287 cd |

C Plane (°):0.0-180.0: 10.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-2000  
 Distance: 7.970 m  
 Humidity:  
 Inspector:



## IsoLux Plot



|                       |         |                        |
|-----------------------|---------|------------------------|
| Mounting Height: 2.0m |         | Max Lux(100%): 71.7 lx |
| — ( 1%):              | 0.7 lx  | — ( 2%): 1.4 lx        |
| — ( 5%):              | 3.6 lx  | — (10%): 7.2 lx        |
| — (20%):              | 14.3 lx | — (50%): 35.9 lx       |
| — (100%):             | 71.7 lx |                        |

C Plane (°):0.0-180.0: 10.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

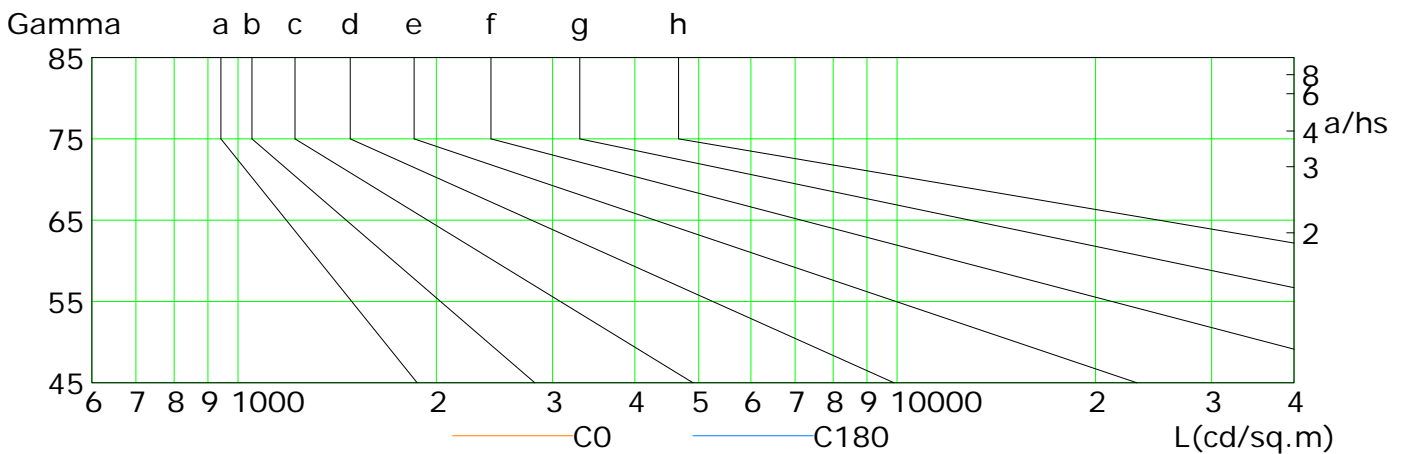
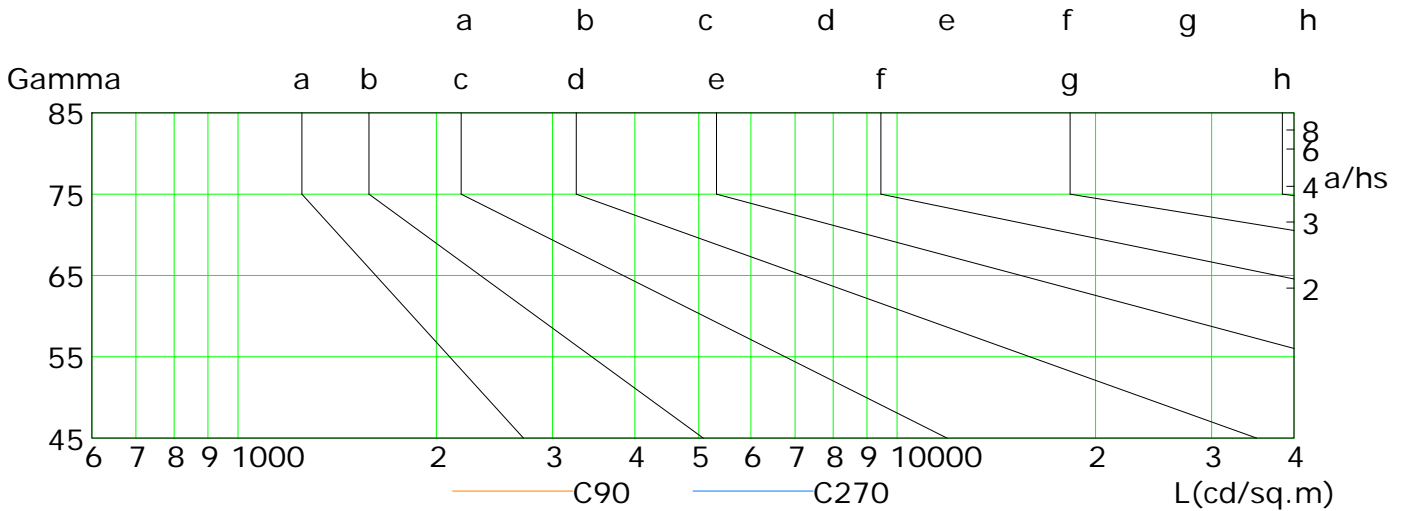
Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-2000  
 Distance: 7.970 m  
 Humidity:  
 Inspector:





## Lum Limit Curve

| Dazzle | Quality | Illuminance (lx) |      |      |       |       |       |       |       |
|--------|---------|------------------|------|------|-------|-------|-------|-------|-------|
|        |         | a                | b    | c    | d     | e     | f     | g     | h     |
| 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         | 186 | 166 | 144 | 122 | 99  | 75  | 51  | 28  | 9   |
| C90        | 183 | 162 | 141 | 119 | 96  | 73  | 49  | 27  | 9   |
| C180       | 186 | 166 | 145 | 122 | 99  | 75  | 51  | 28  | 9   |
| C270       | 183 | 162 | 141 | 119 | 96  | 73  | 49  | 27  | 9   |

C Plane (°):0.0-180.0: 10.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-2000

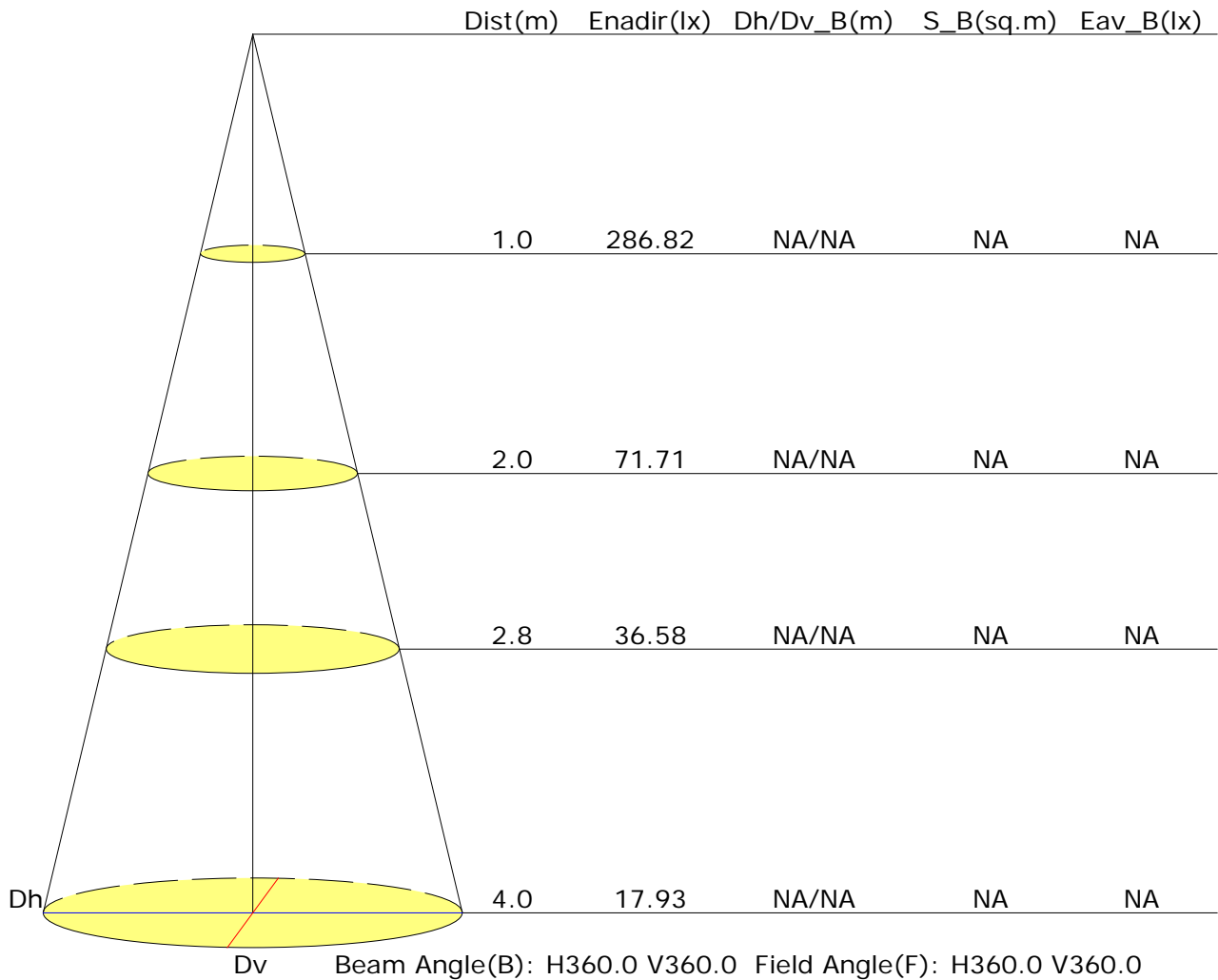
Distance: 7.970 m

Humidity:

Inspector:



## Illuminance at a Distance

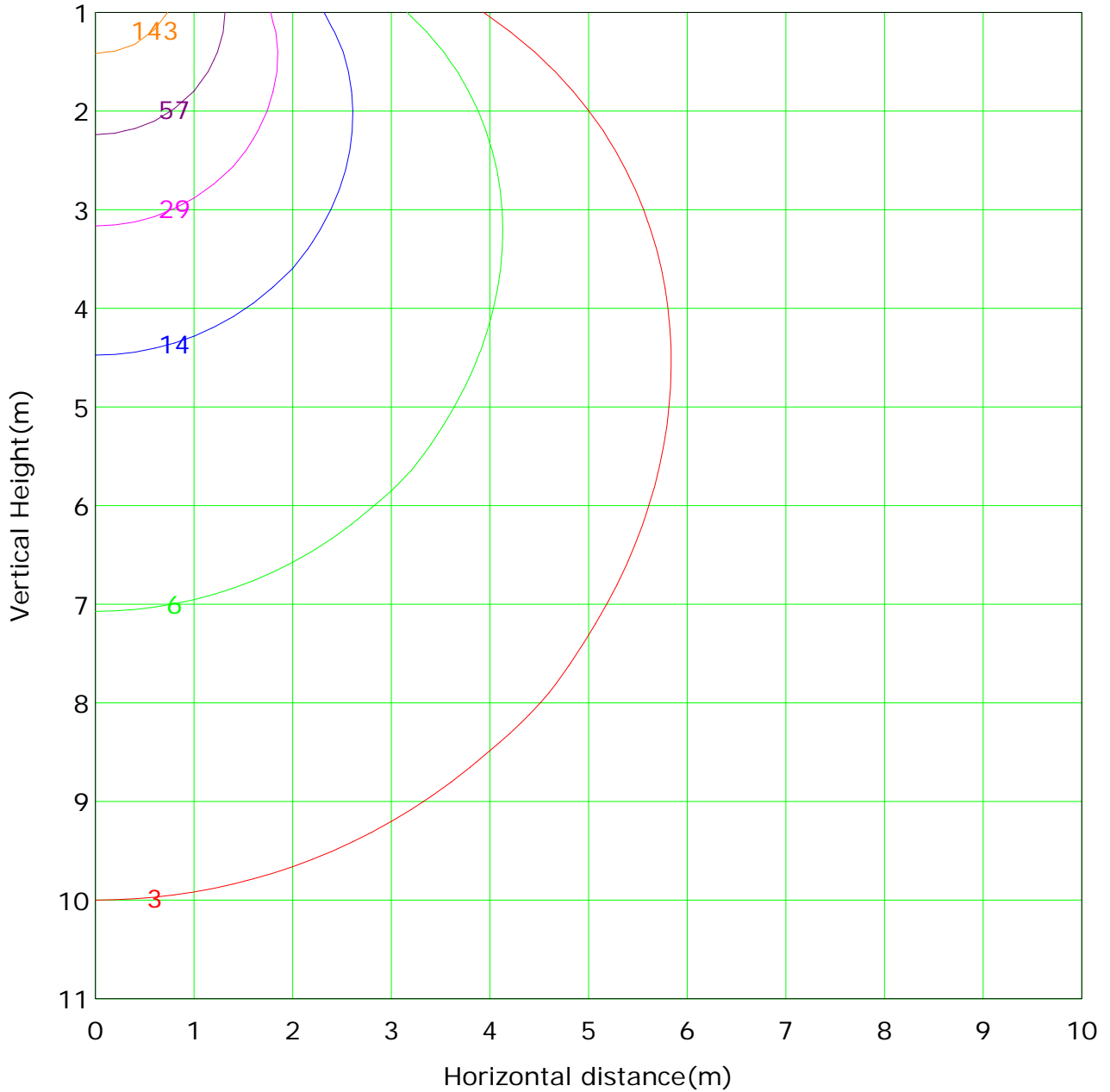


C Plane (°):0.0-180.0: 10.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-2000  
 Distance: 7.970 m  
 Humidity:  
 Inspector:



## Vertical IsoLux Plot



|                    |                    |                   |
|--------------------|--------------------|-------------------|
| Lowest(m): 1.0m    | Highest(m): 11.0m  | Max Lux: 286.8 lx |
| — ( 1%): 2.9 lx    | — ( 2%): 5.7 lx    |                   |
| — ( 5%): 14.3 lx   | — ( 10%): 28.7 lx  |                   |
| — ( 20%): 57.4 lx  | — ( 50%): 143.4 lx |                   |
| — (100%): 286.8 lx |                    |                   |

C Plane (°):0.0-180.0: 10.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-2000  
 Distance: 7.970 m  
 Humidity:  
 Inspector:



Report No.:

Test Time: 31/01/2020 11:49

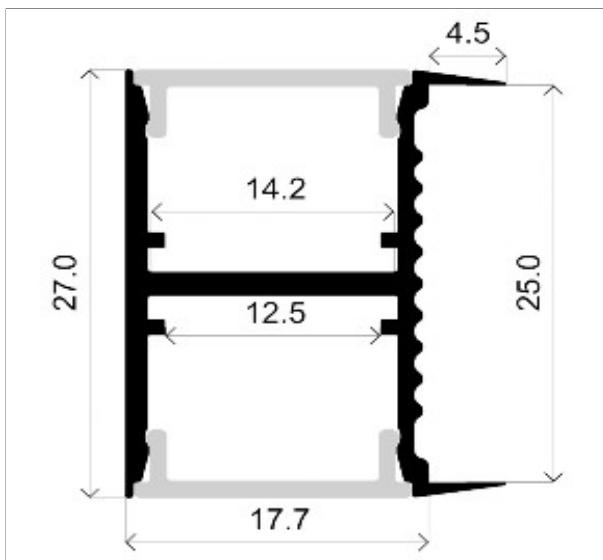
## Luminaire Property

Luminaire Manufacturer: Lighting line  
 Luminaire Description: LLP-SH03-03 + LLD-03-FS  
 Lamp Description: Strip 14,4W/m 60led/m      Number of Lamps: 2  
 Lumens per Lamp: 1579      Voltage: 24.0 V  
 Current: 1.176 A      Power: 28.20  
 Power Factor: 1.000

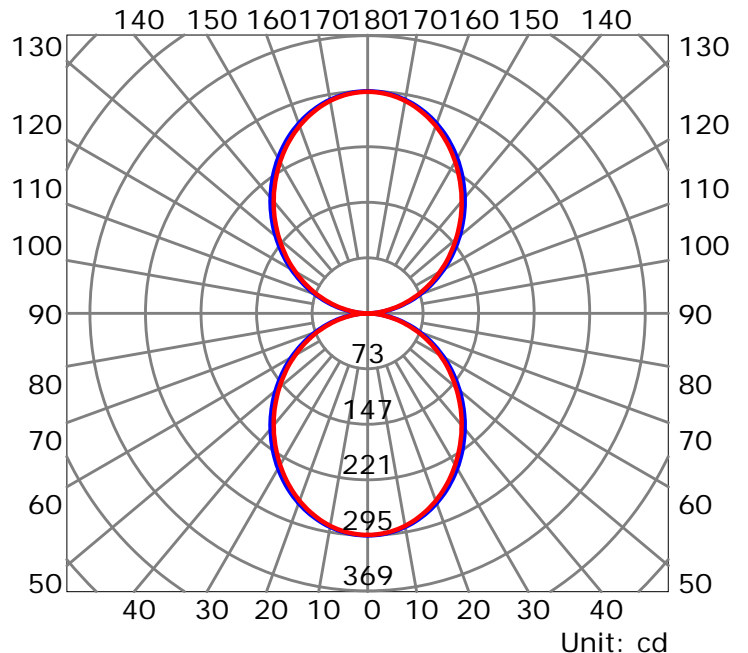
## Photometric Results

|   |                                    |
|---|------------------------------------|
| CIE Class: General Diffuse  | Total Rated Lamp Lumens: 3158.0 lm |
| Measurement Flux: 1564.4 lm   | Efficiency: 49.54%                 |
| Downward Ratio: 24.77%  | Upward Ratio: 24.77%               |
| Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 360.0, 360.0, 360.0, 360.0 |                                    |
| Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 360.0, 360.0, 360.0, 360.0  |                                    |
| Luminaire Efficacy Rating (LER): 55.52                                      | Central Intensity: 295.94 cd       |
| Max. Intensity: 295.95 cd   | Pos of Max. Intensity: H0 V0       |
| S/MH(C0/C180): 1.20   | S/MH(C90/C270): 1.18               |

Picture Of Luminaire



Luminous Intensity Distribution Curve



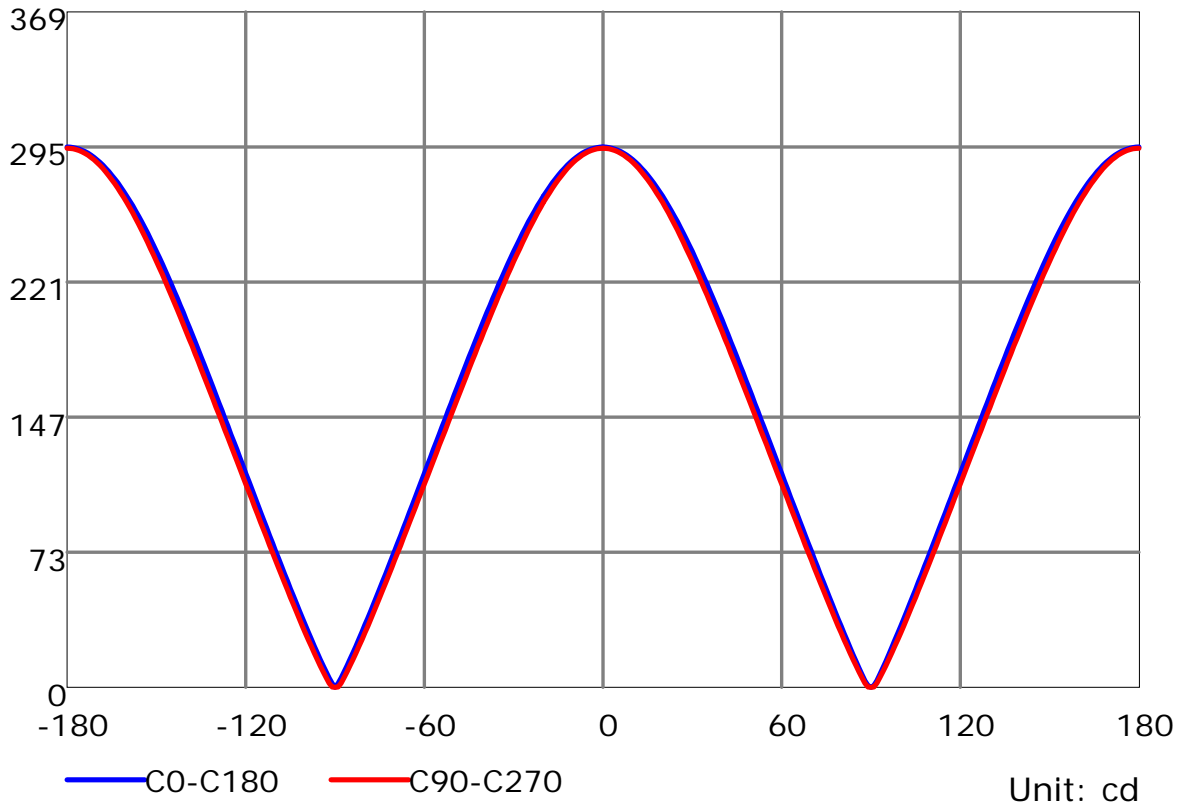
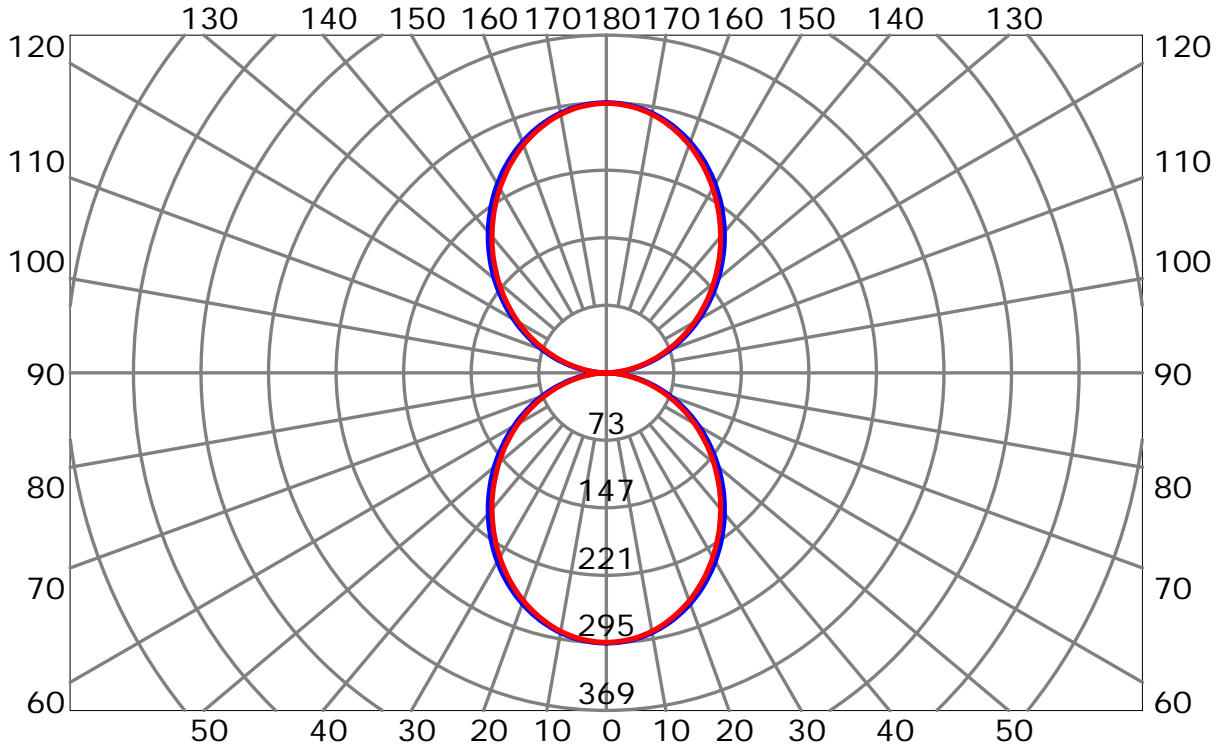
— C0-C180      — C90-C270

C Plane (°):0.0-180.0: 10.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-2000  
 Distance: 7.970 m  
 Humidity:  
 Inspector:



## Luminous Intensity Distribution Curve

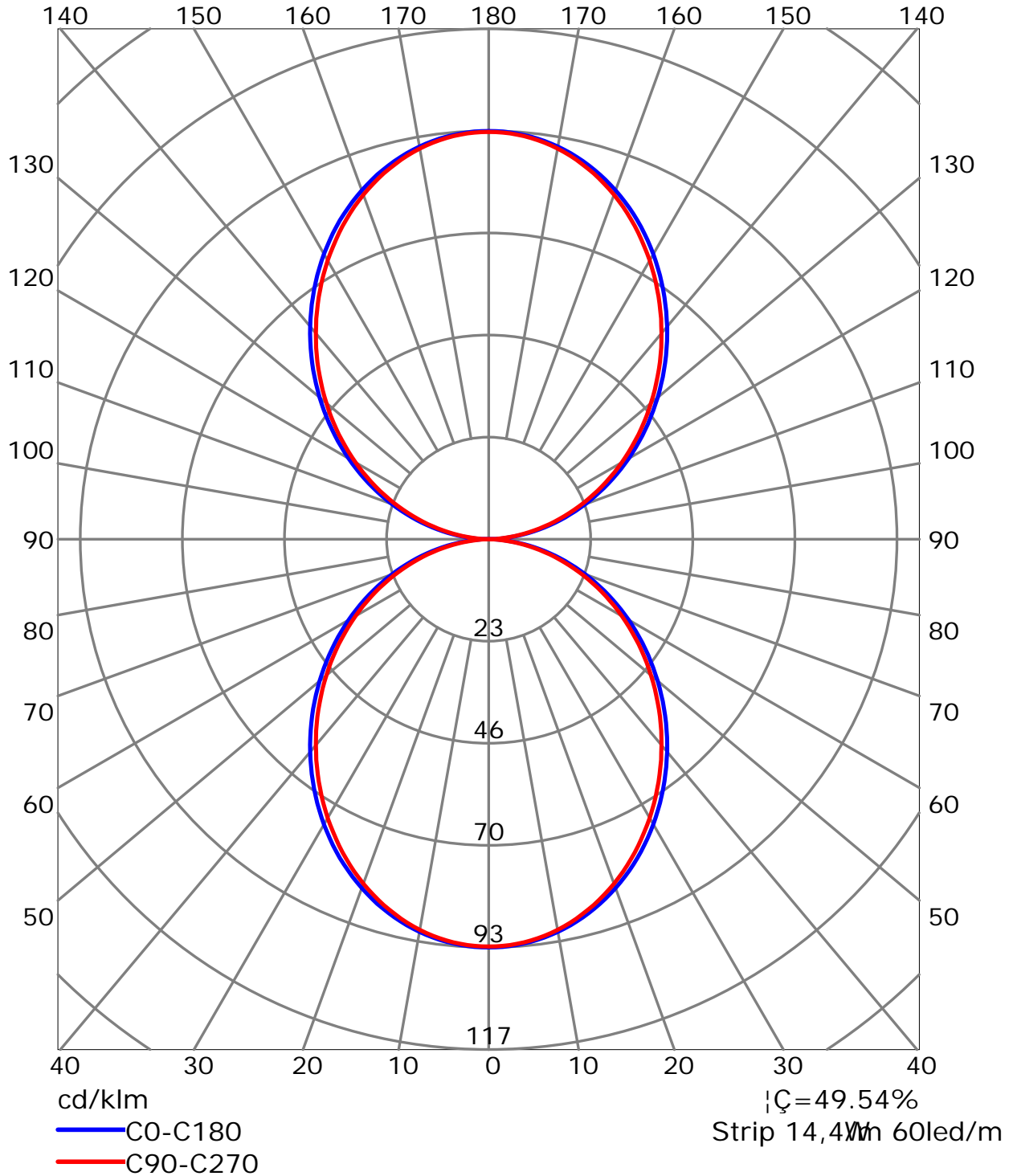


C Plane (°):0.0-180.0: 10.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-2000  
 Distance: 7.970 m  
 Humidity:  
 Inspector:



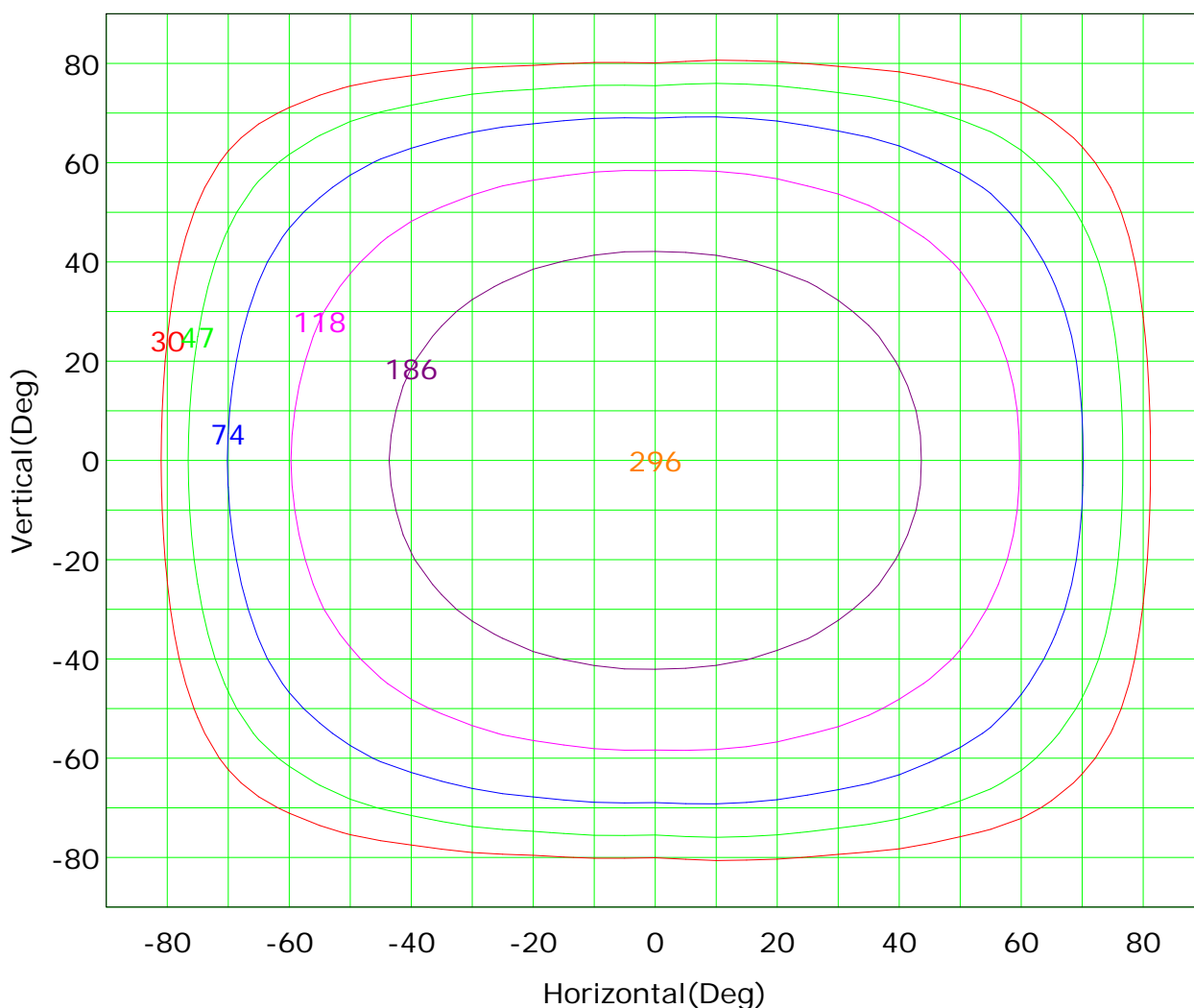
## Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-180.0: 10.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-2000  
 Distance: 7.970 m  
 Humidity:  
 Inspector:

## Isocandela (rectangle)



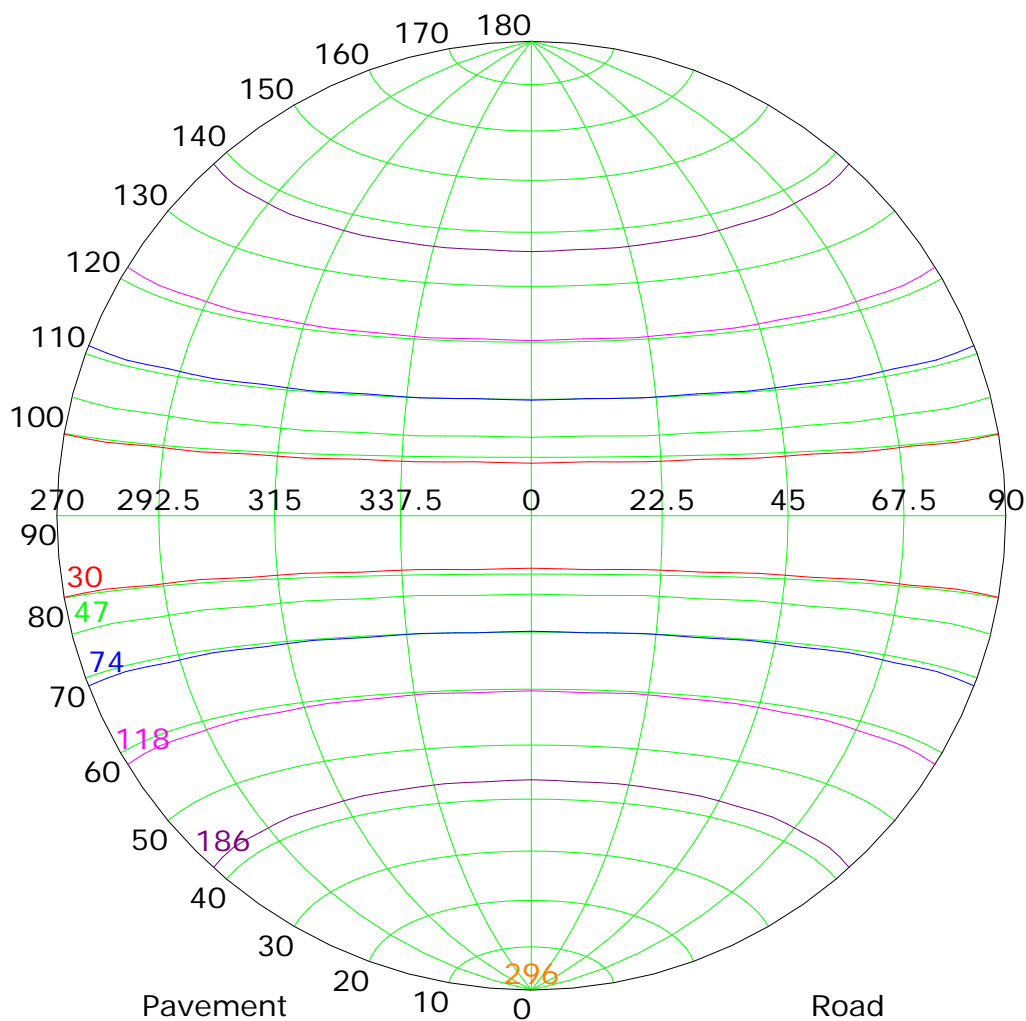
Imax (100%): 296 cd

|           |        |           |        |
|-----------|--------|-----------|--------|
| — ( 10%): | 30 cd  | — ( 16%): | 47 cd  |
| — ( 25%): | 74 cd  | — ( 40%): | 118 cd |
| — ( 63%): | 186 cd | — (100%): | 296 cd |

C Plane (°):0.0-180.0: 10.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-2000  
 Distance: 7.970 m  
 Humidity:  
 Inspector:

## Isocandela (sphere)



Imax (100%): 296 cd

|           |        |           |        |
|-----------|--------|-----------|--------|
| — ( 10%): | 30 cd  | — ( 16%): | 47 cd  |
| — ( 25%): | 74 cd  | — ( 40%): | 118 cd |
| — ( 63%): | 186 cd | — (100%): | 296 cd |

C Plane (°):0.0-180.0: 10.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-2000

Distance: 7.970 m

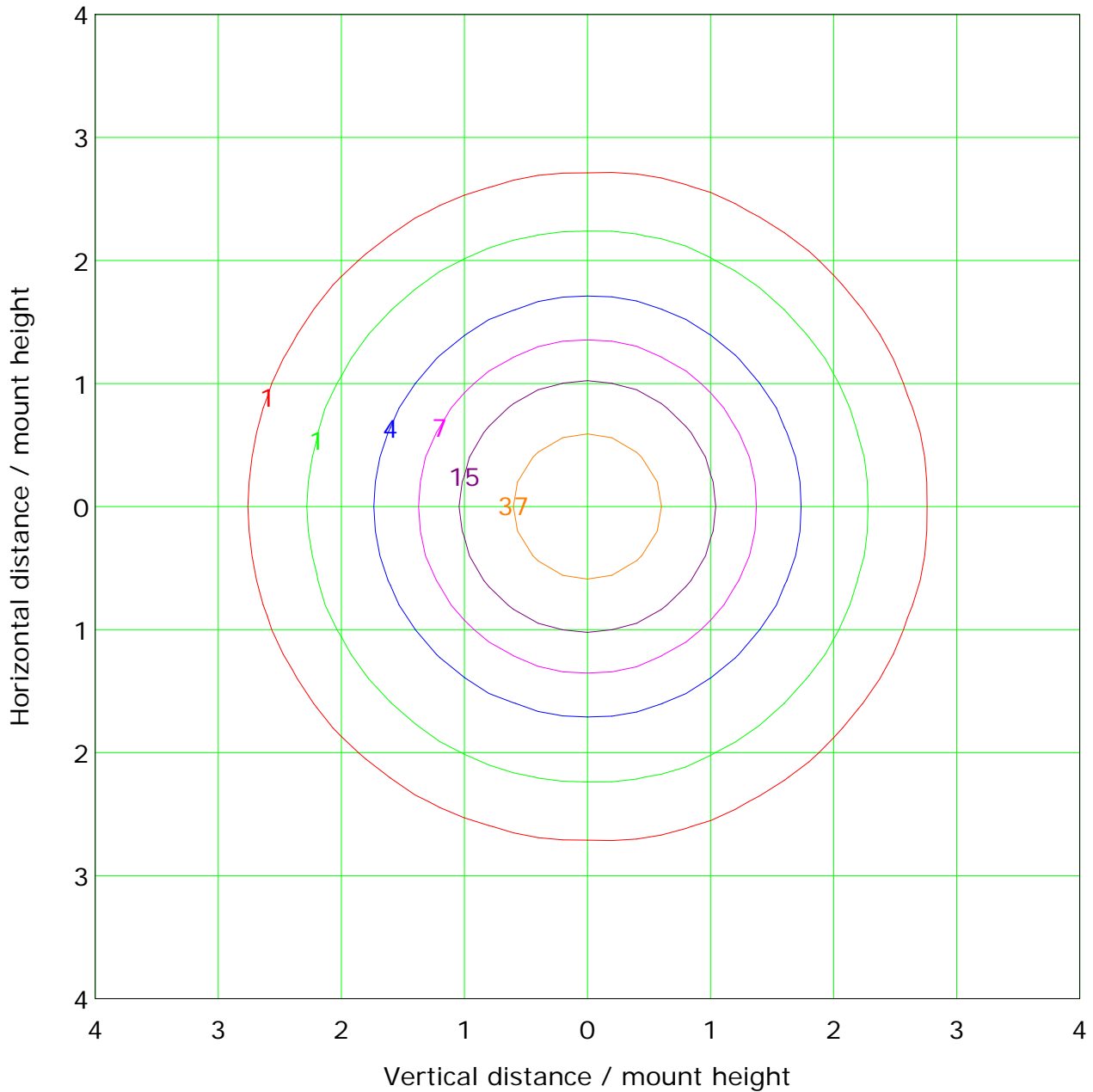
Humidity:

Inspector:





## IsoLux Plot



|                       |         |                        |         |
|-----------------------|---------|------------------------|---------|
| Mounting Height: 2.0m |         | Max Lux(100%): 74.0 lx |         |
| — ( 1%):              | 0.7 lx  | — ( 2%):               | 1.5 lx  |
| — ( 5%):              | 3.7 lx  | — ( 10%):              | 7.4 lx  |
| — ( 20%):             | 14.8 lx | — ( 50%):              | 37.0 lx |
| — (100%):             | 74.0 lx |                        |         |

C Plane (°):0.0-180.0: 10.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

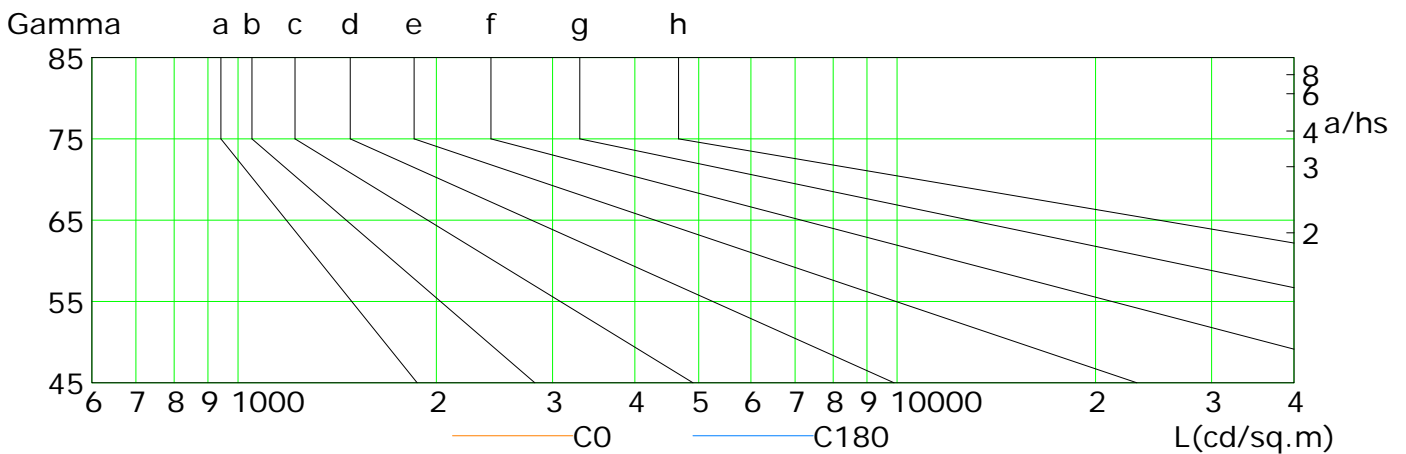
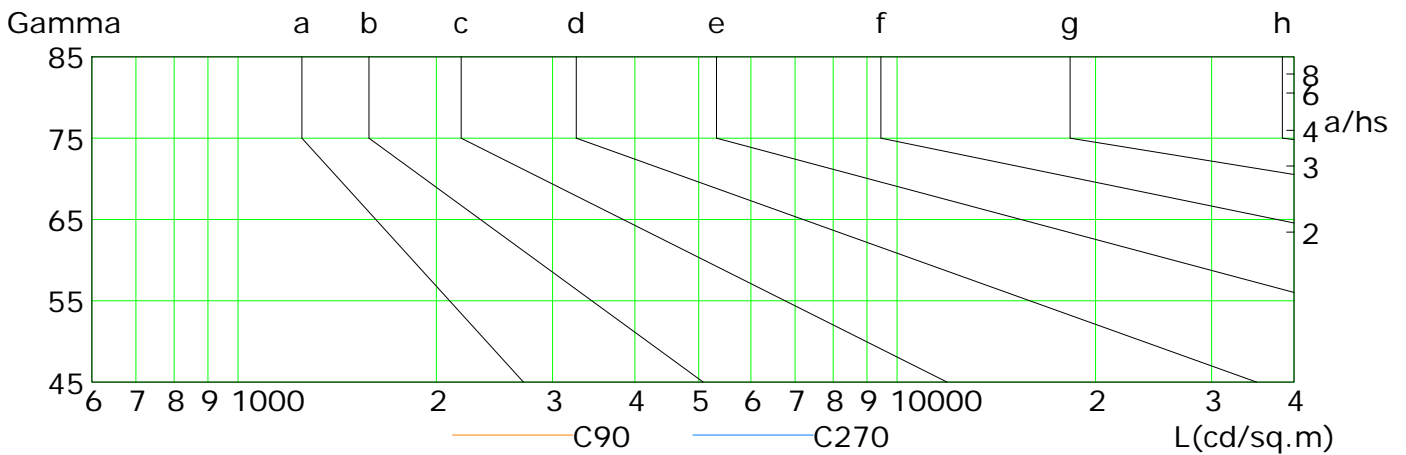
Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-2000  
 Distance: 7.970 m  
 Humidity:  
 Inspector:



## Lum Limit Curve

| Dazzle | Quality | Illuminance (lx) |      |     |       |  |  |  |  |  |
|--------|---------|------------------|------|-----|-------|--|--|--|--|--|
|        |         | 2000             | 1000 | 500 | <=300 |  |  |  |  |  |
| 1.15   | A       |                  |      |     |       |  |  |  |  |  |
| 1.50   | B       |                  |      |     |       |  |  |  |  |  |
| 1.85   | C       |                  |      |     |       |  |  |  |  |  |
| 2.20   | D       |                  |      |     |       |  |  |  |  |  |
| 2.55   | E       |                  |      |     |       |  |  |  |  |  |

a b c d e f g h



| L(cd/sq.m) | G45 | G50 | G55 | G60 | G65 | G70 | G75 | G80 | G85 |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| C0         | 181 | 160 | 138 | 117 | 96  | 75  | 54  | 33  | 14  |
| C90        | 175 | 154 | 133 | 111 | 90  | 70  | 49  | 30  | 12  |
| C180       | 181 | 160 | 139 | 117 | 96  | 75  | 54  | 34  | 15  |
| C270       | 175 | 154 | 133 | 111 | 90  | 70  | 49  | 30  | 12  |

C Plane (°):0.0-180.0: 10.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-2000

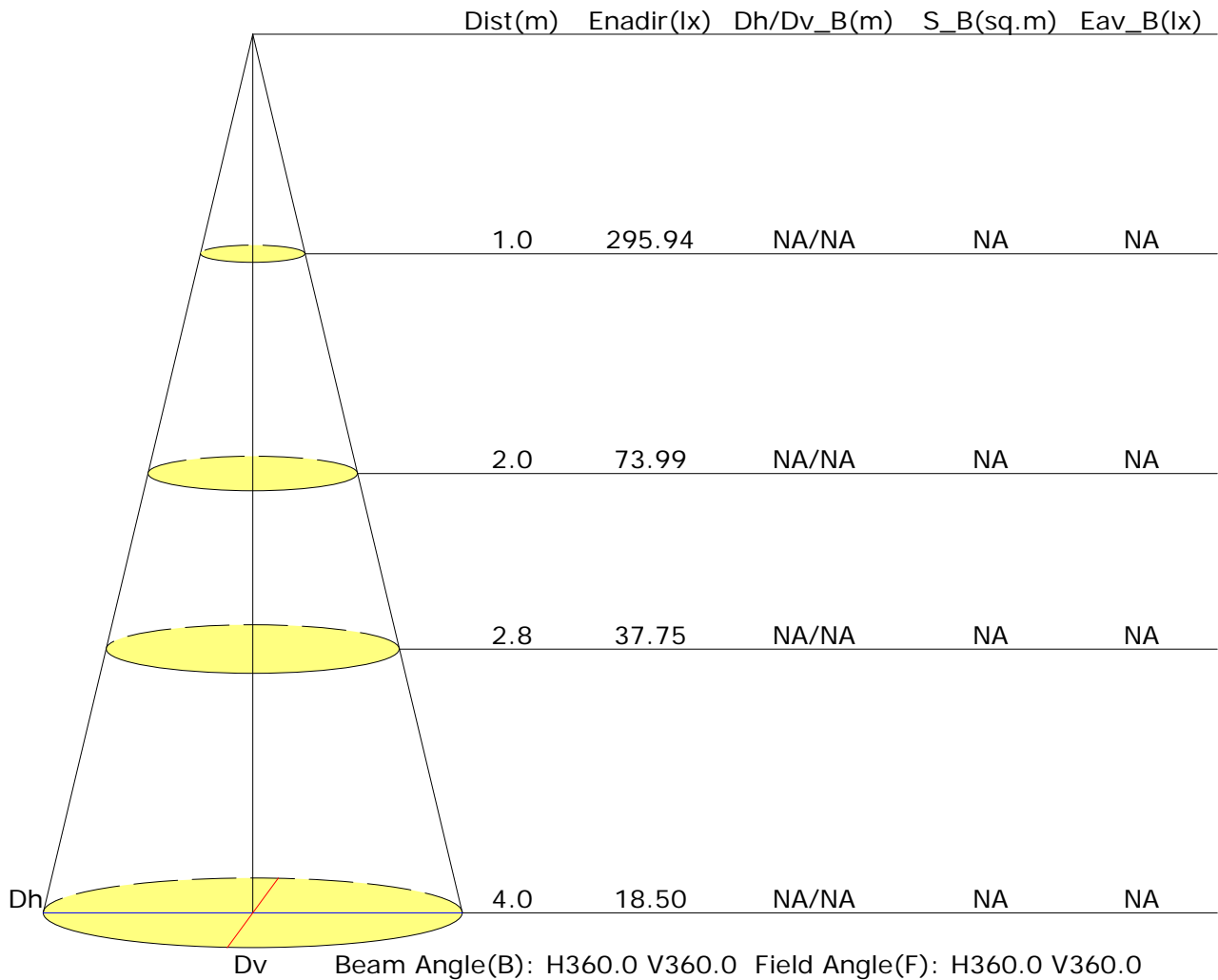
Distance: 7.970 m

Humidity:

Inspector:



## Illuminance at a Distance

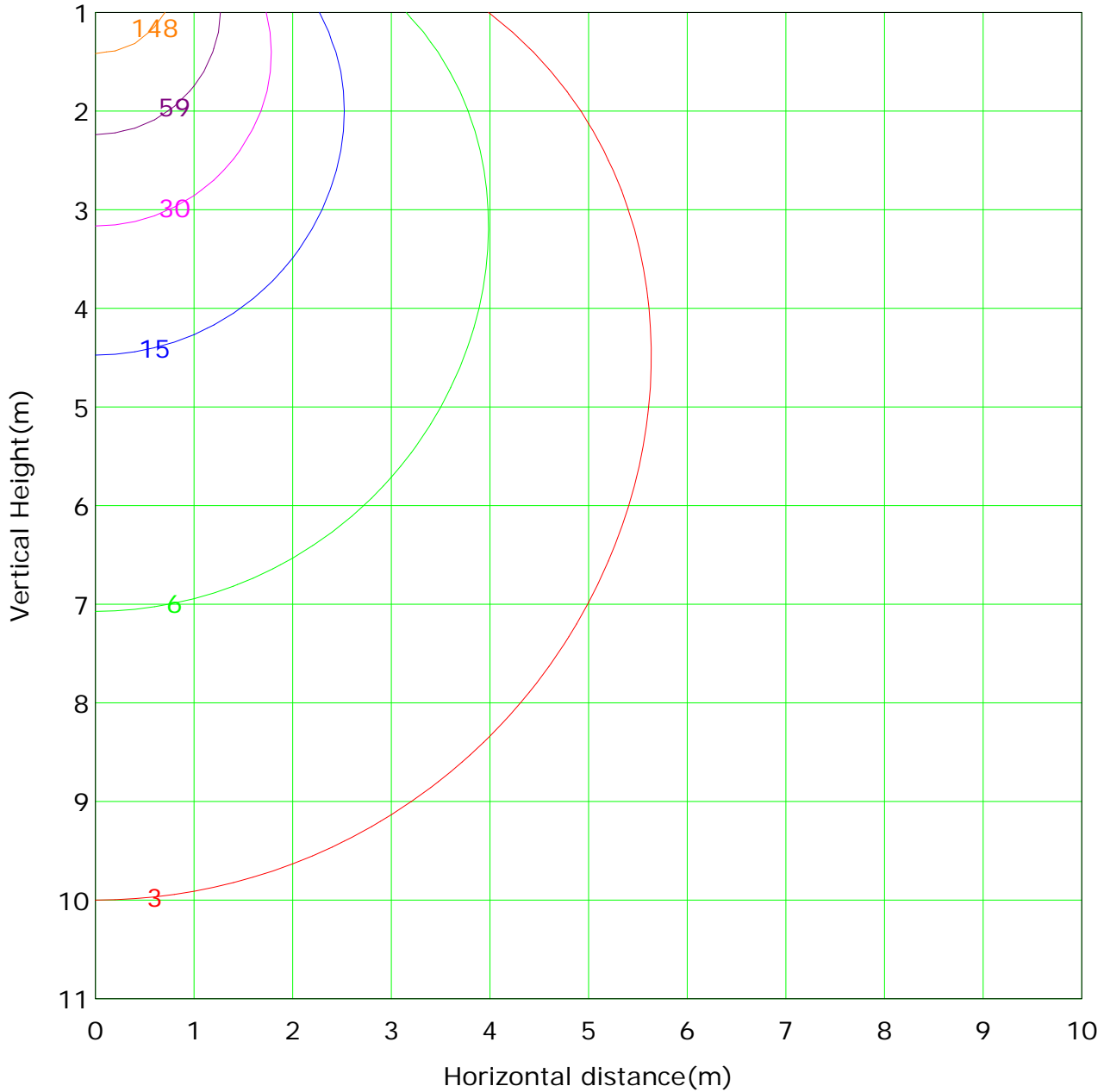


C Plane (°):0.0-180.0: 10.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-2000  
 Distance: 7.970 m  
 Humidity:  
 Inspector:



## Vertical IsoLux Plot



|                    |                    |                   |
|--------------------|--------------------|-------------------|
| Lowest(m): 1.0m    | Highest(m): 11.0m  | Max Lux: 295.9 lx |
| — ( 1%): 3.0 lx    | — ( 2%): 5.9 lx    |                   |
| — ( 5%): 14.8 lx   | — ( 10%): 29.6 lx  |                   |
| — ( 20%): 59.2 lx  | — ( 50%): 148.0 lx |                   |
| — (100%): 295.9 lx |                    |                   |

C Plane (°):0.0-180.0: 10.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-2000  
 Distance: 7.970 m  
 Humidity:  
 Inspector: