



Report No.:

Test Time: 18/09/2019 10:27

Luminaire Property

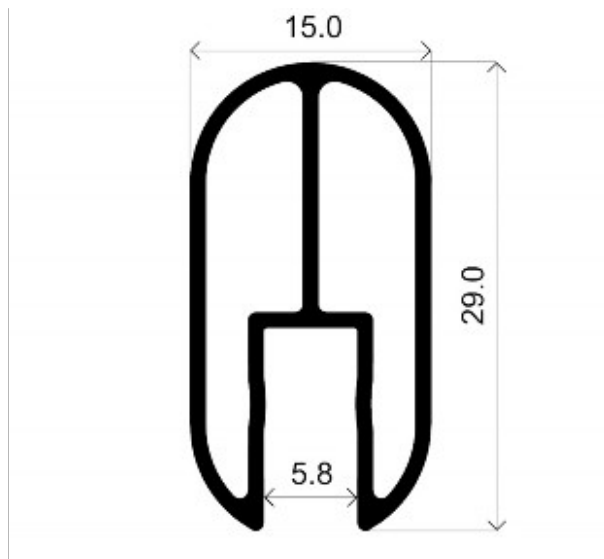
Luminaire Manufacturer: Lightng Line
 Luminaire Description: LLP-WB01-00
 Number of Lamps: 1
 Voltage: 12.0 V
 Power: 7.32 W

Lamp Description: Neon Led Green 9,6W 120led/m 6x
 Lumens per Lamp: 110 lm
 Current: 0.610 A
 Power Factor: 1.000

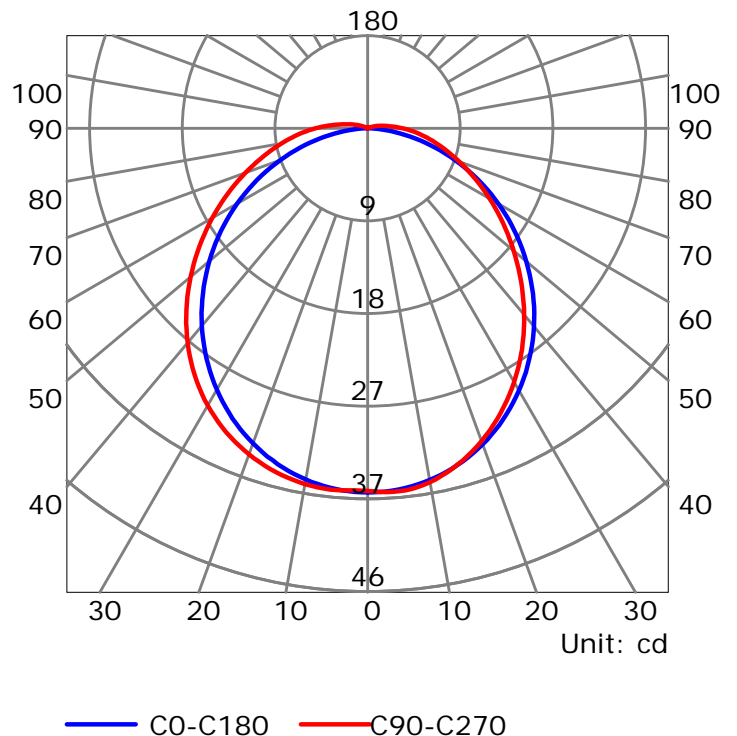
Photometric Results

| | |
|---|-----------------------------------|
| CIE Class: Direct | Total Rated Lamp Lumens: 110.0 lm |
| Measurement Flux: 109.8 lm | Efficiency: 99.82% |
| Downward Ratio: 97.55% | Upward Ratio: 2.27% |
| Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 160.6, 184.6, 175.5, 175.8 | |
| Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 109.0, 111.1, 110.6, 110.8 | |
| Luminaire Efficacy Rating (LER): 15.05 | Central Intensity: 36.52 cd |
| Max. Intensity: 36.59 cd | Pos of Max. Intensity: H100 V4 |
| S/MH(C0/C180): 1.23 | S/MH(C90/C270): 1.25 |

Picture Of Luminaire



Luminous Intensity Distribution Curve

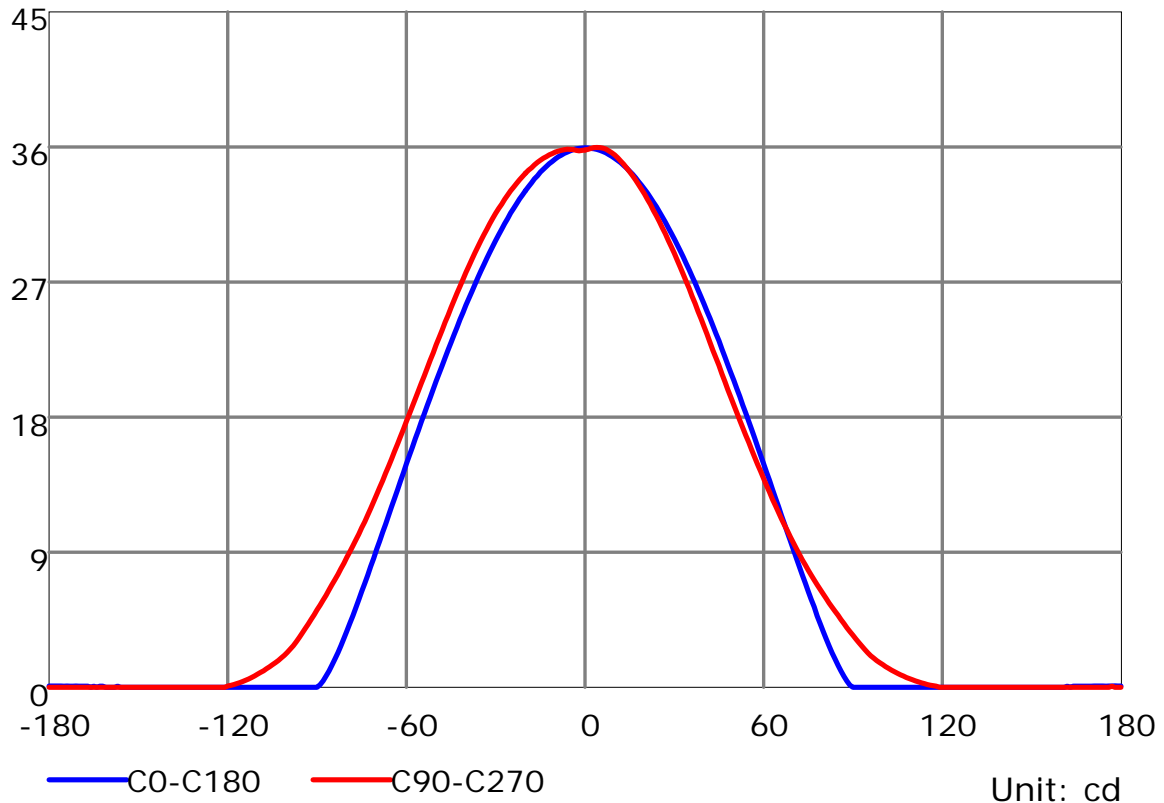
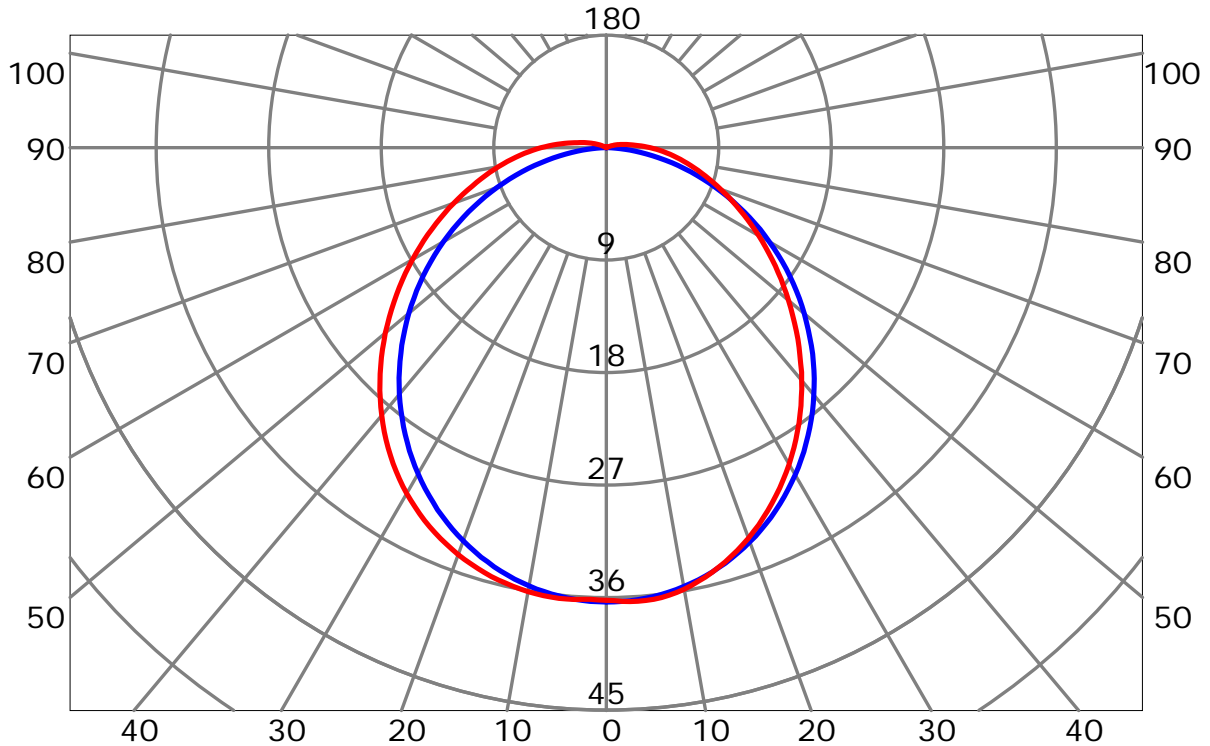


C Plane (°):0.0-360.0: 10.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

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



Luminous Intensity Distribution Curve

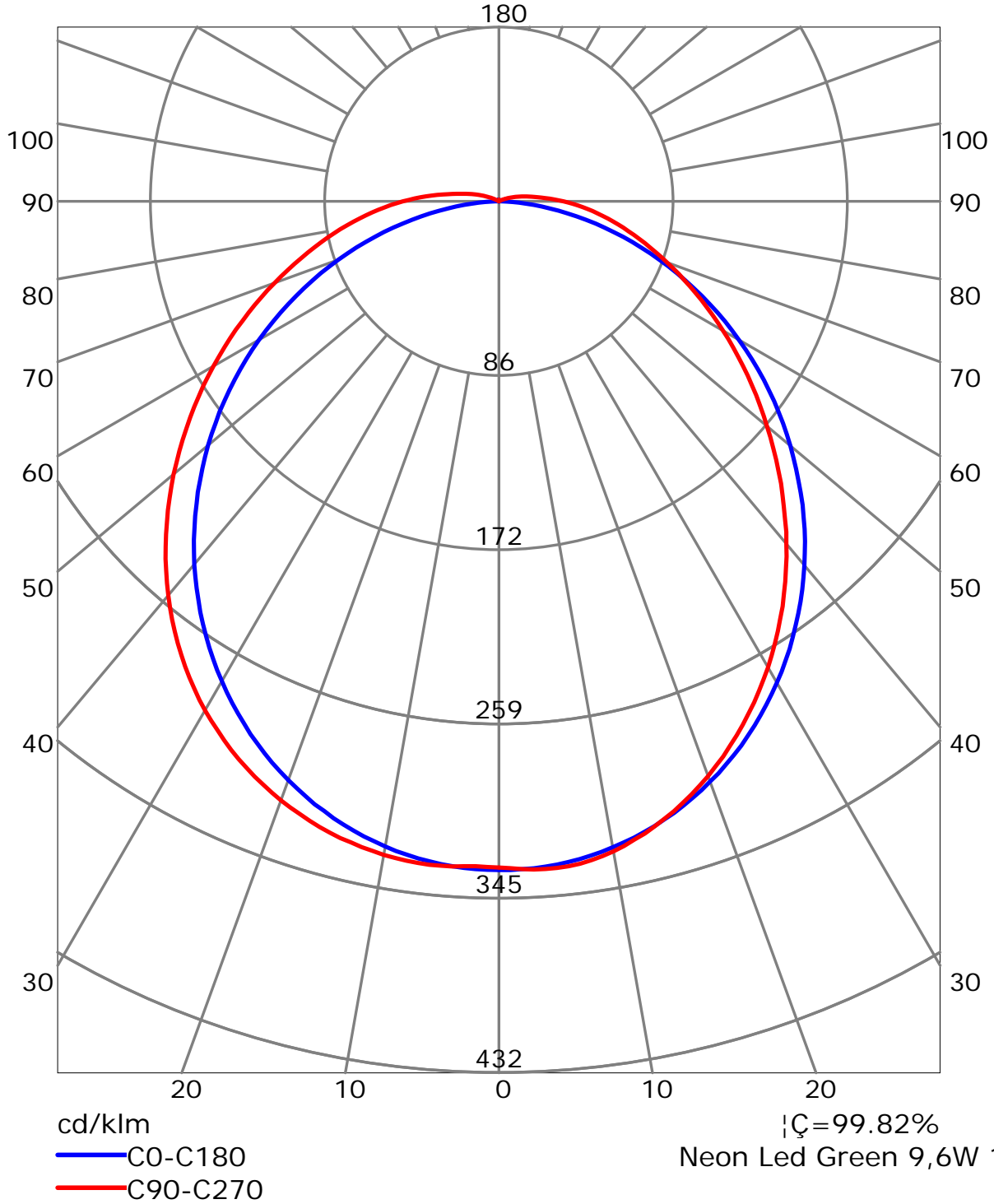


C Plane (°):0.0-360.0: 10.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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



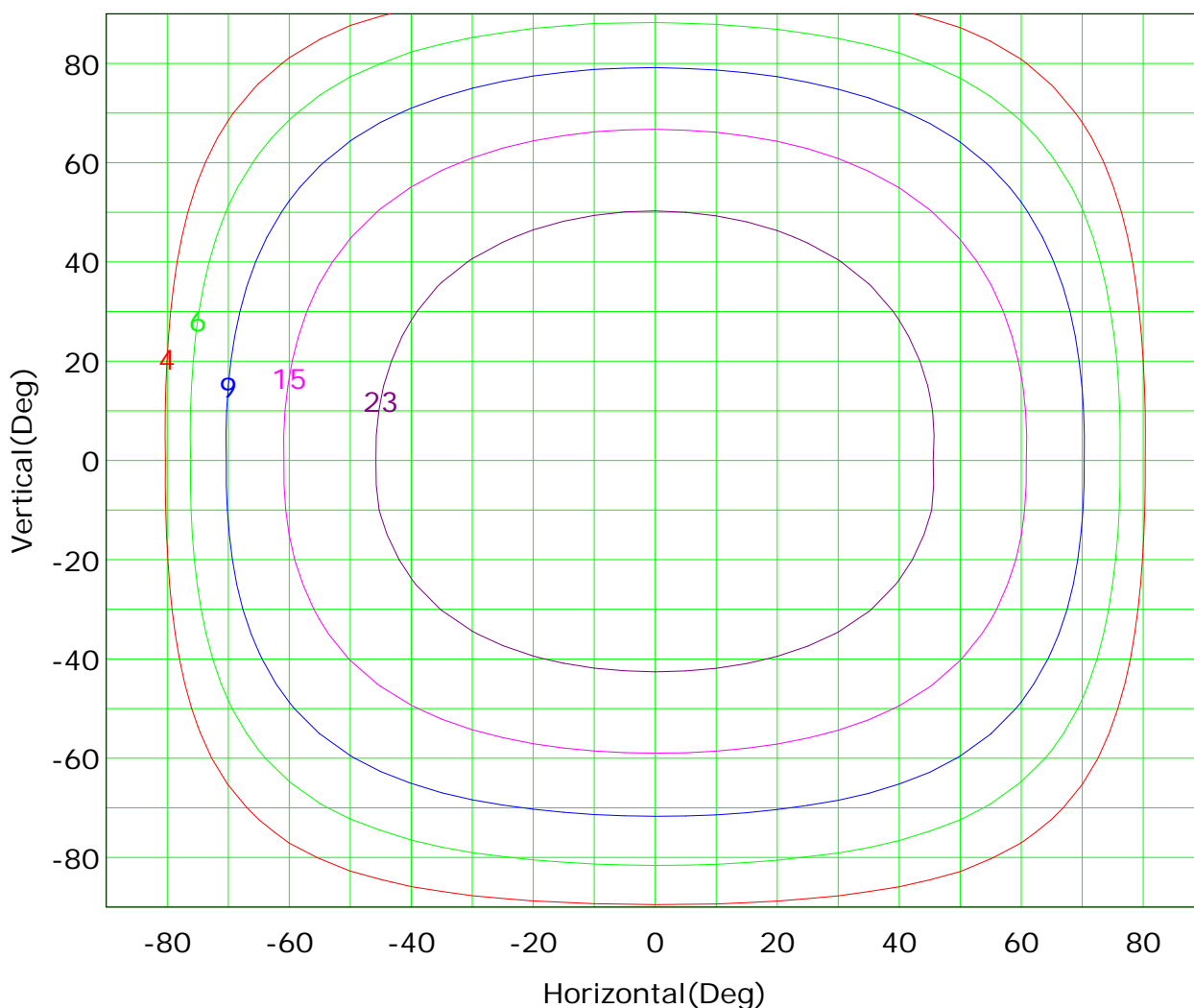
Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 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)



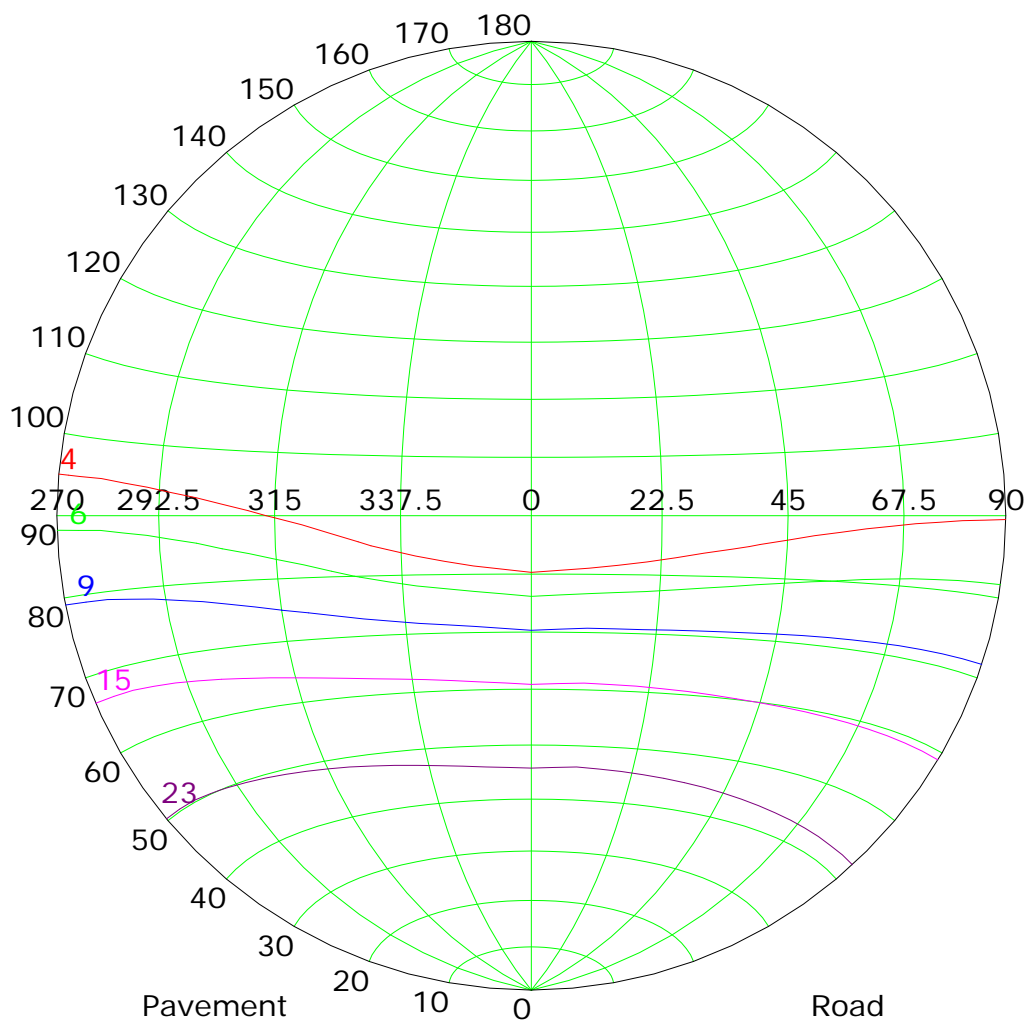
Imax (100%): 37 cd

| | | | |
|-----------|-------|-----------|-------|
| — (10%): | 4 cd | — (16%): | 6 cd |
| — (25%): | 9 cd | — (40%): | 15 cd |
| — (63%): | 23 cd | — (100%): | 37 cd |

C Plane (°):0.0-360.0: 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%): 37 cd

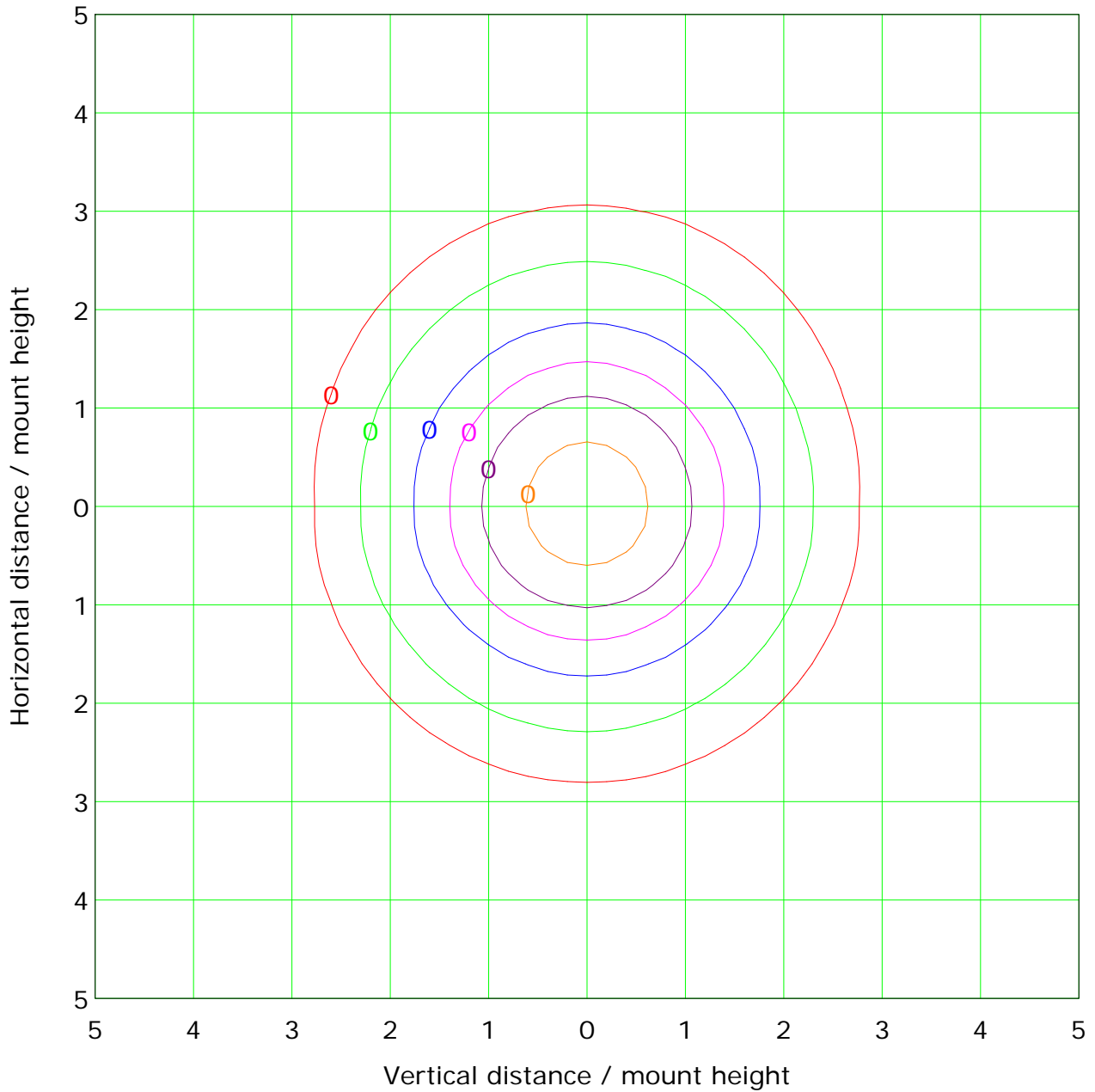
| | | | |
|-----------|-------|-----------|-------|
| — (10%): | 4 cd | — (16%): | 6 cd |
| — (25%): | 9 cd | — (40%): | 15 cd |
| — (63%): | 23 cd | — (100%): | 37 cd |

C Plane (°):0.0-360.0: 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: 10.0m | | Max Lux(100%): 0.4 lx | |
| — (1%): | 0.0 lx | — (2%): | 0.0 lx |
| — (5%): | 0.0 lx | — (10%): | 0.0 lx |
| — (20%): | 0.1 lx | — (50%): | 0.2 lx |
| — (100%): | 0.4 lx | | |

C Plane (°):0.0-360.0: 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 | 23 | 21 | 18 | 15 | 12 | 9 | 6 | 4 | 1 |
| C90 | 22 | 19 | 17 | 14 | 12 | 10 | 8 | 6 | 5 |
| C180 | 23 | 21 | 18 | 15 | 12 | 9 | 7 | 4 | 2 |
| C270 | 26 | 23 | 21 | 18 | 15 | 13 | 11 | 9 | 7 |

C Plane (°):0.0-360.0: 10.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-2000

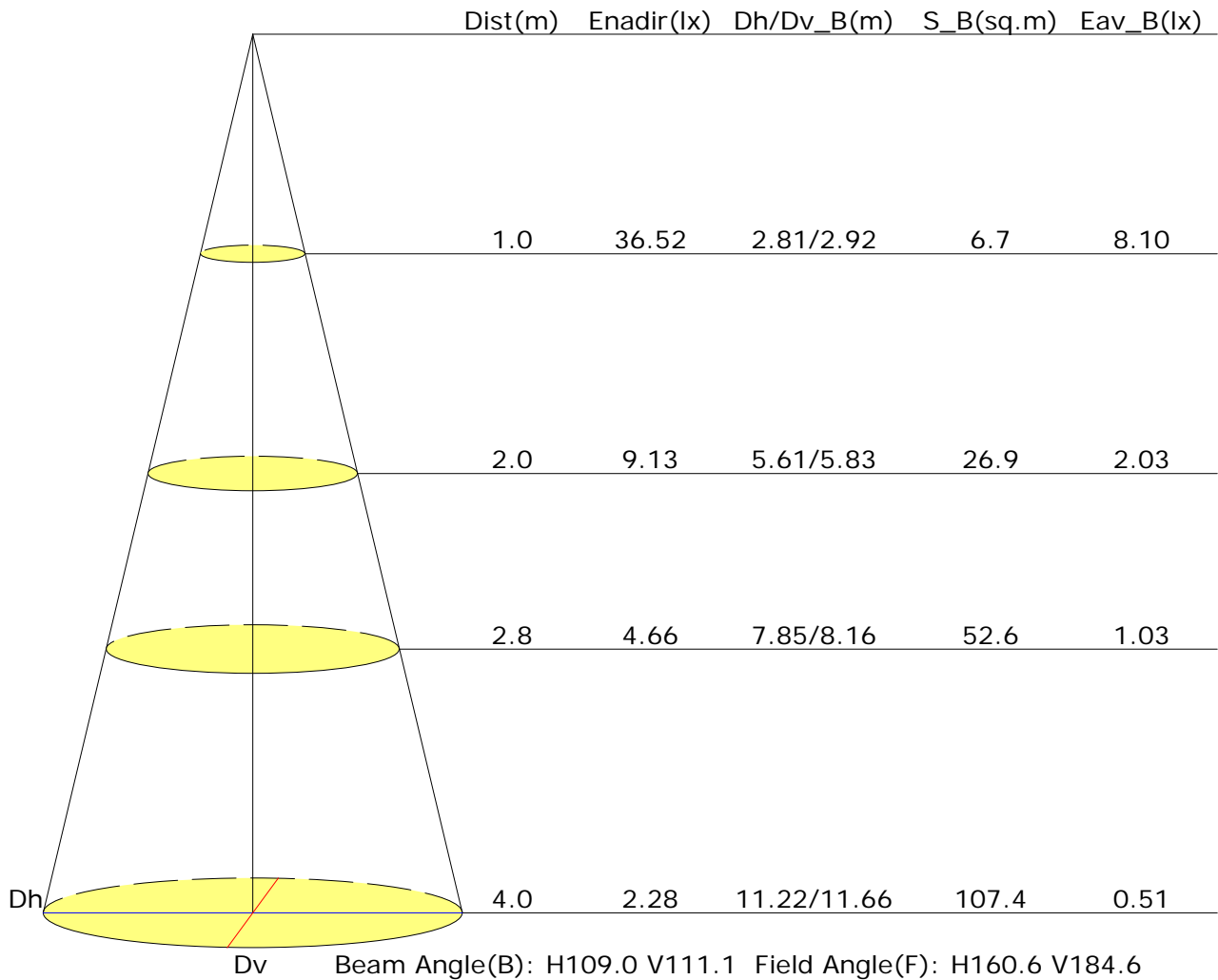
Distance: 7.970 m

Humidity:

Inspector:

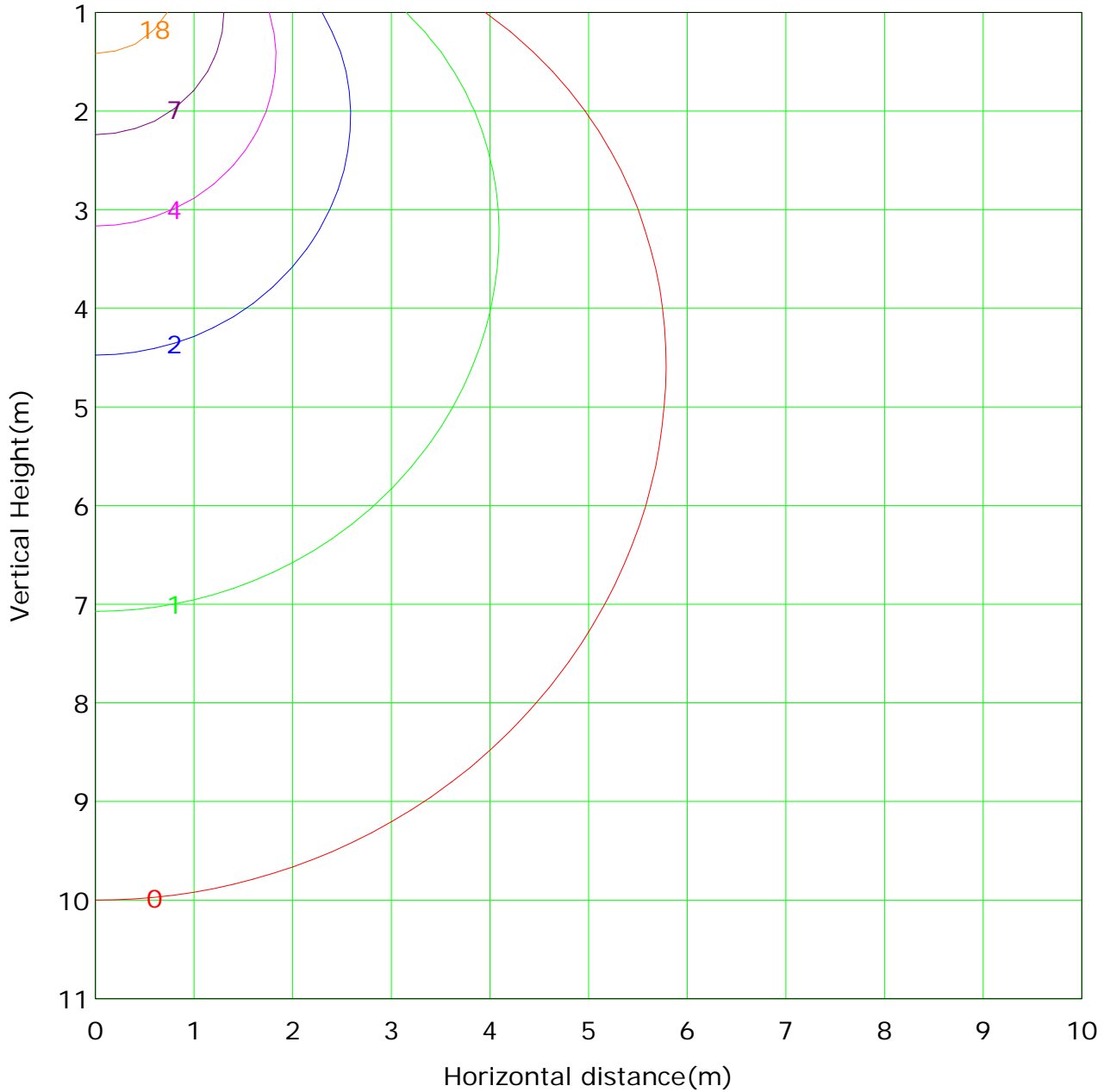


Illuminance at a Distance





Vertical IsoLux Plot



| | | |
|-------------------|-------------------|------------------|
| Lowest(m): 1.0m | Highest(m): 11.0m | Max Lux: 36.5 lx |
| — (1%): 0.4 lx | — (2%): 0.7 lx | |
| — (5%): 1.8 lx | — (10%): 3.7 lx | |
| — (20%): 7.3 lx | — (50%): 18.3 lx | |
| — (100%): 36.5 lx | | |

C Plane (°):0.0-360.0: 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: