



3 Inch Downlight

SECTION 1: GENERAL DESCRIPTION (FIXTURE AND DRIVER)

| | |
|---------------------------------------|--|
| Model Number: | VOL-3DL-003-CW |
| Size: | 3 INCH |
| Voltage: | 85-277V |
| Power: | 4W |
| Hue: | Cool White |
| Material: | Aluminum, Polymethyl Methacrylate |
| Light Output: | 400 Lumens |
| Beam Angle: | 120 Degrees |
| Correlated Colour Temperature: | 6000-6500K |
| Fixture Life span: | 50,000 hours |
| IP Rating: | IP 30 |
| CRI: | > 70 |
| Power Factor | 0.9 |

SECTION 2: CERTIFICATIONS MET

1. UL Listing: Underwriters Laboratory testing for dependable reliability and lifespan of fixture
2. RoHS Certification: Restriction of Hazardous Substances- Ensuring no toxic chemicals or materials are used in the manufacture.
3. CE Certification: (Conformity European) to ensure that this product can be within the strictest standards of Europe.

SECTION 3: LIGHT SOURCE DESCRIPTION (LED CHIP)

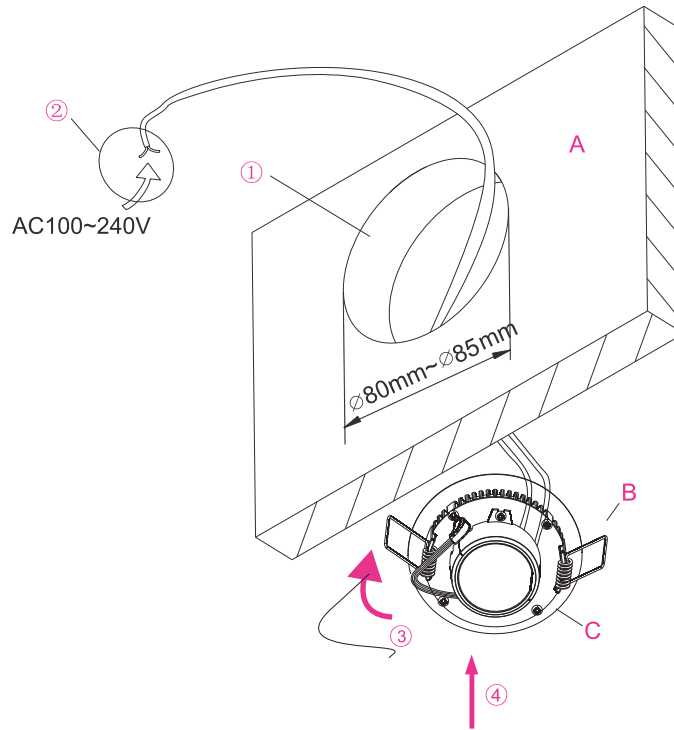
| | |
|-----------------------|-------------------------|
| LED type | 2835 SMD EPISTAR |
| Number of LEDs | 15 |

SECTION 4: COMPARABLE OLDER LIGHT SOURCE

| | |
|----------------------------|--|
| 3 Inch LED Downlight | 3 Inch Downlight w/MR 16 Bulb |
| 250 Lumen | 200 Lumen |
| 3 Watt | 10 Watt Power |
| 50,000 hour lifespan | 200 Hour Lifespan |
| Withstand Voltage Surges | Filament destroyed with small voltage surges |
| Available in Warm and Cool | Only Available in Warm |

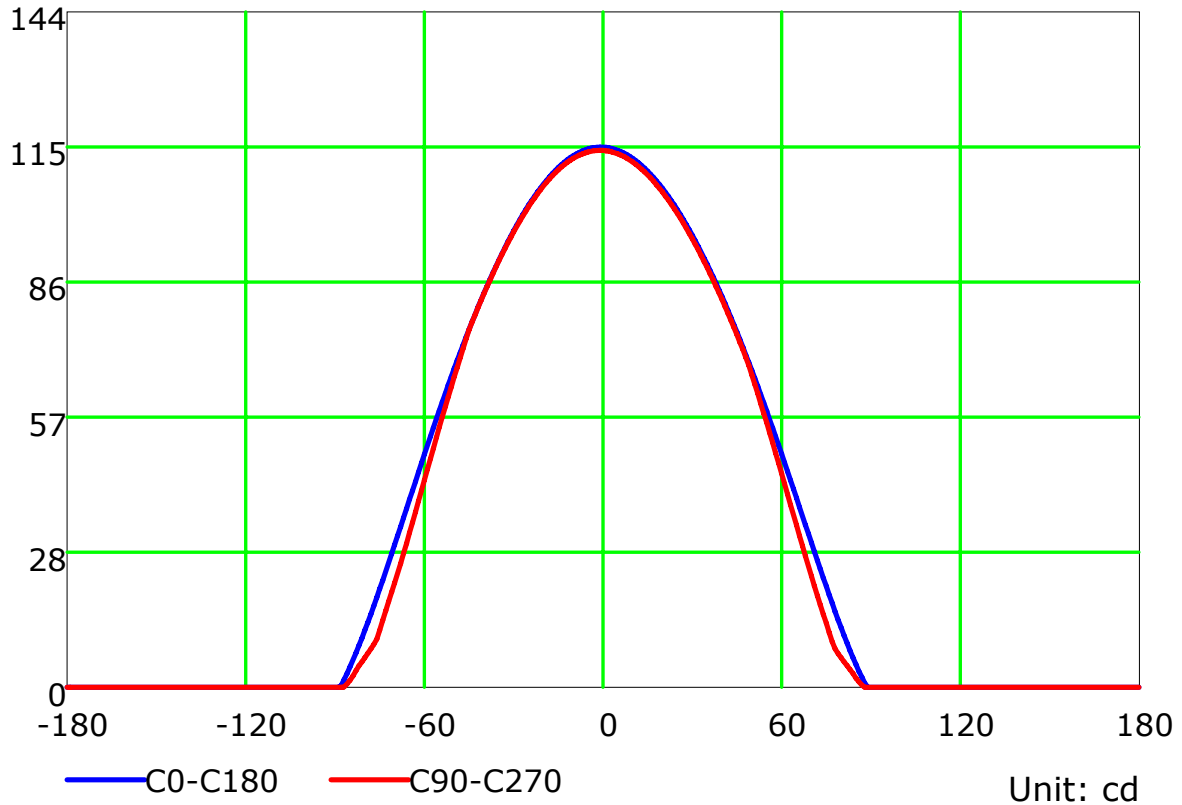
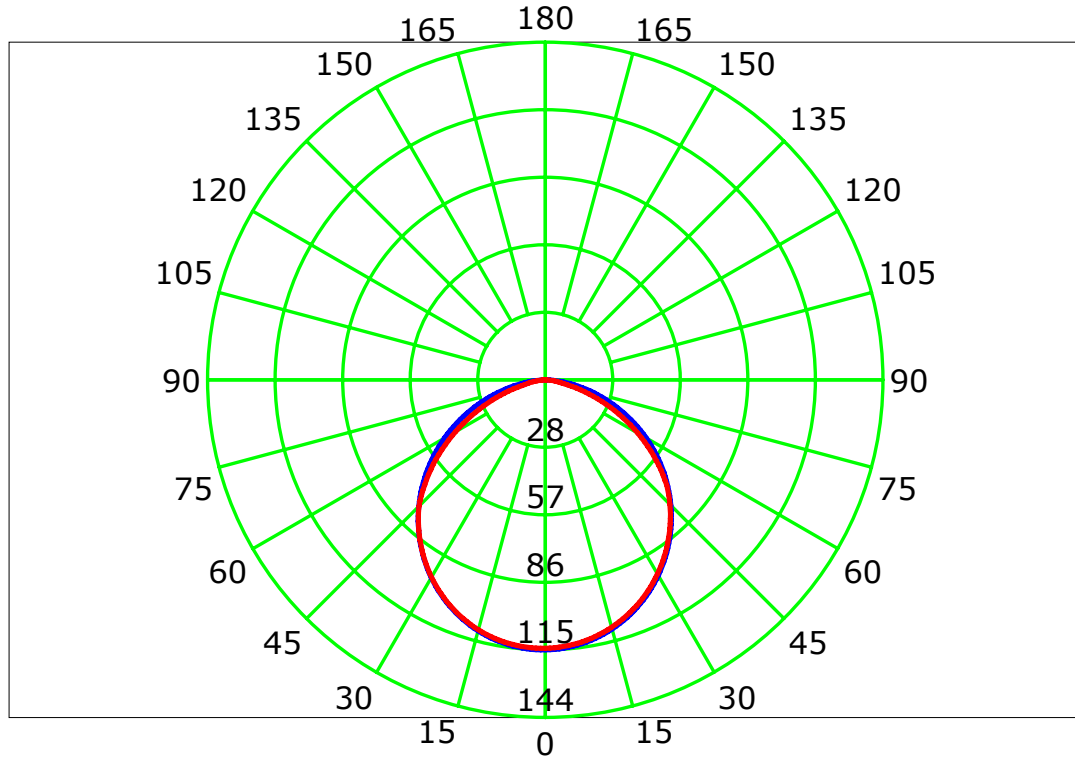
SECTION 5: INSTALLATION DETAILS

| | |
|---|------------------------|
| ① | make a hole |
| ② | connect the power wire |
| ③ | push spring |
| ○ | Driver |



| | |
|---|----------|
| A | Wall |
| B | Spring |
| C | LED lamp |
| D | Driver |

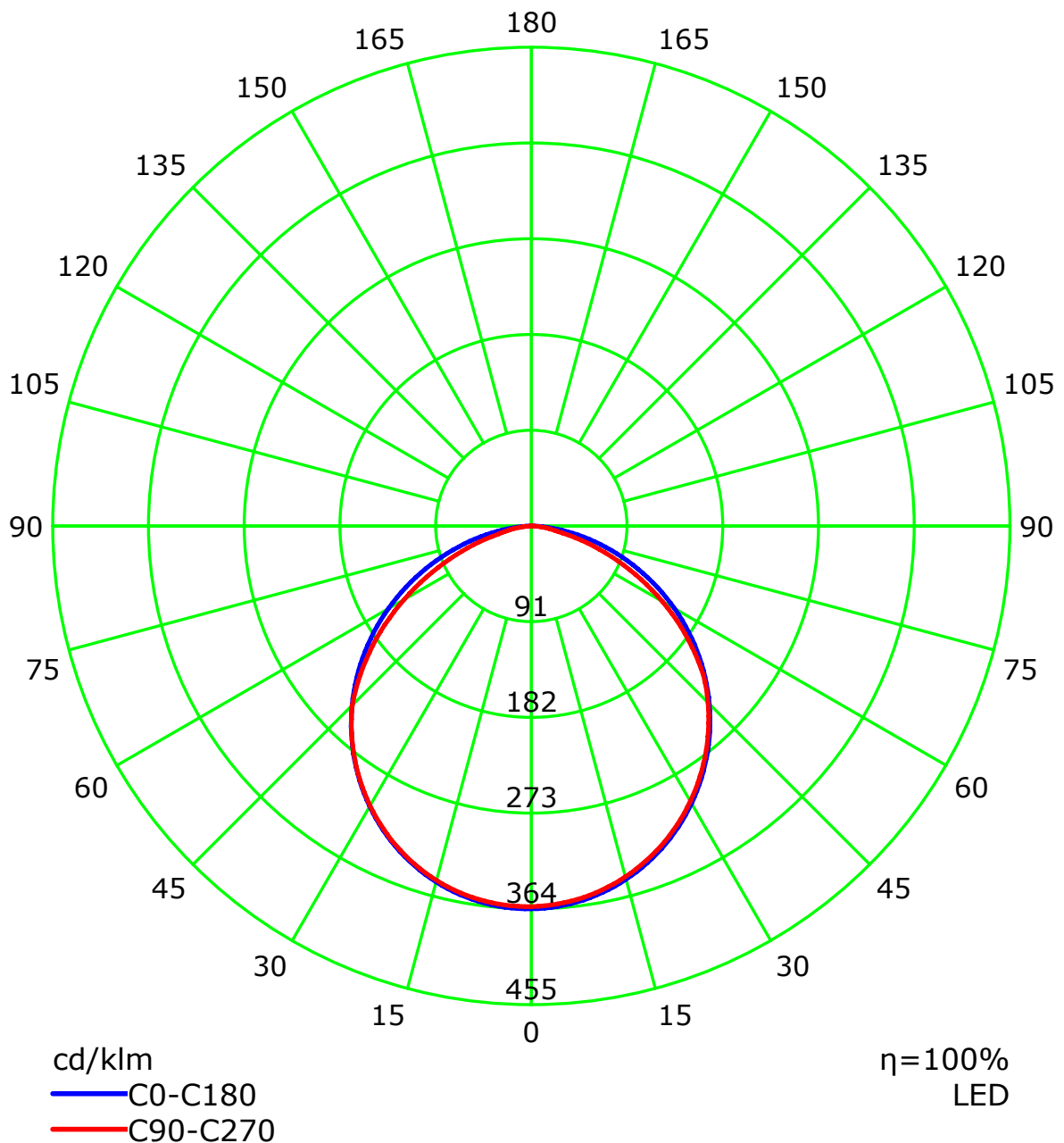
Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 45.0
 Test Lab:
 Test Type: TYPE C
 Temperature: 27
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 6.495 m
 Humidity: 67
 Inspector:

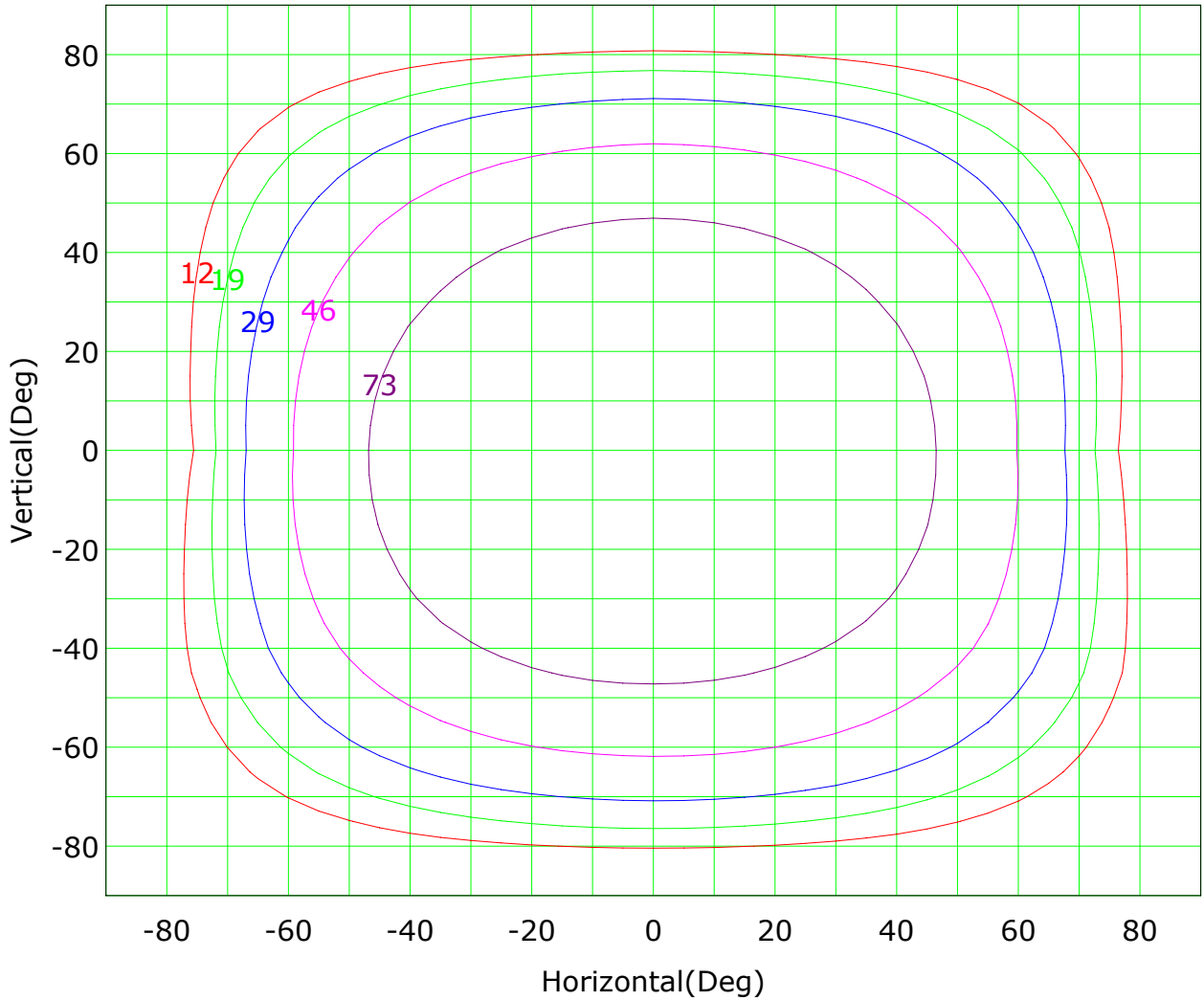
Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 45.0
 Test Lab:
 Test Type: TYPE C
 Temperature: 27
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 6.495 m
 Humidity: 67
 Inspector:

Isocandela (rectangle)



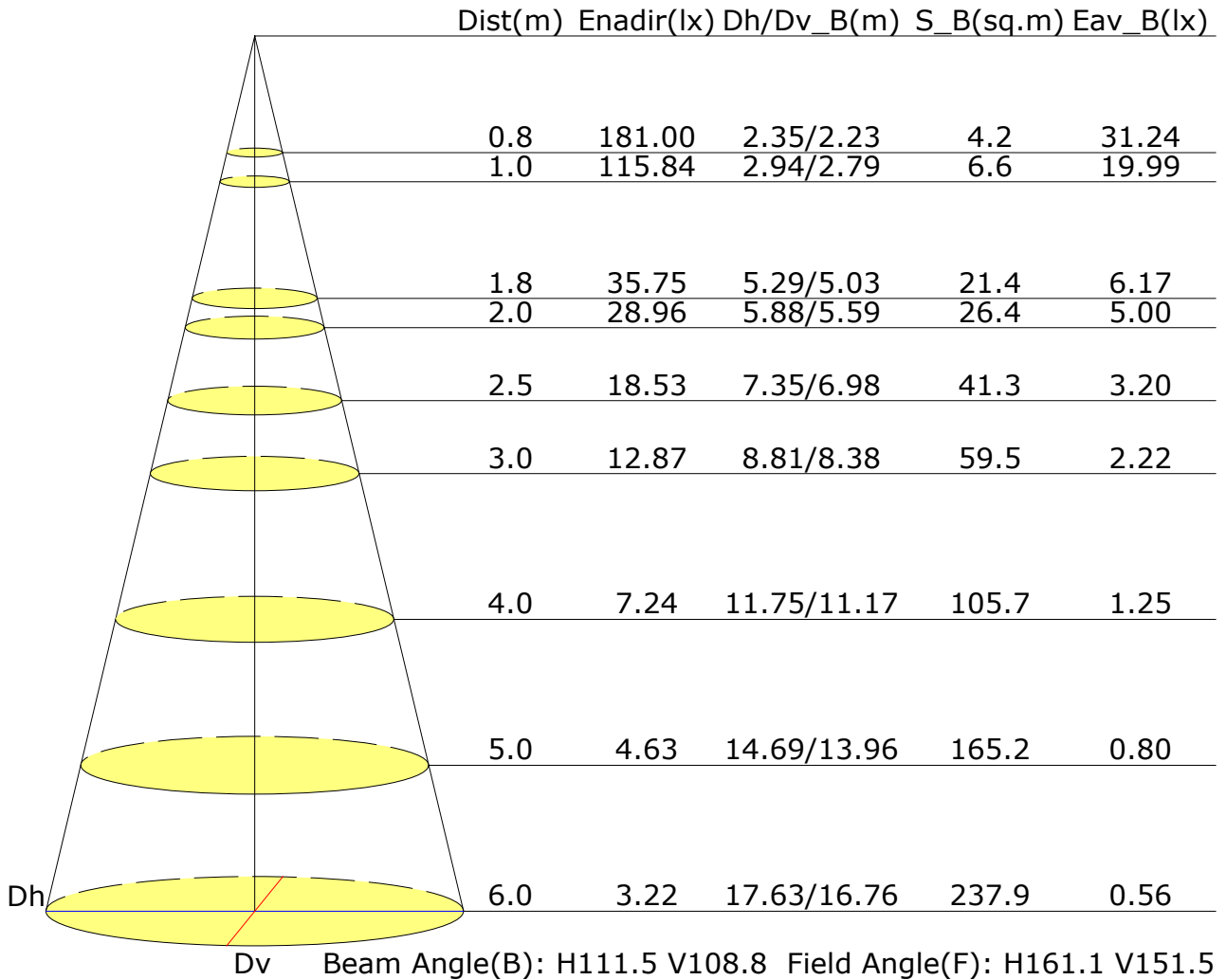
Imax (100%): 116 cd

- | | | | |
|-----------|-------|-----------|--------|
| — (10%): | 12 cd | — (16%): | 19 cd |
| — (25%): | 29 cd | — (40%): | 46 cd |
| — (63%): | 73 cd | — (100%): | 116 cd |

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 Test Lab:
 Test Type: TYPE C
 Temperature: 27
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 6.495 m
 Humidity: 67
 Inspector:

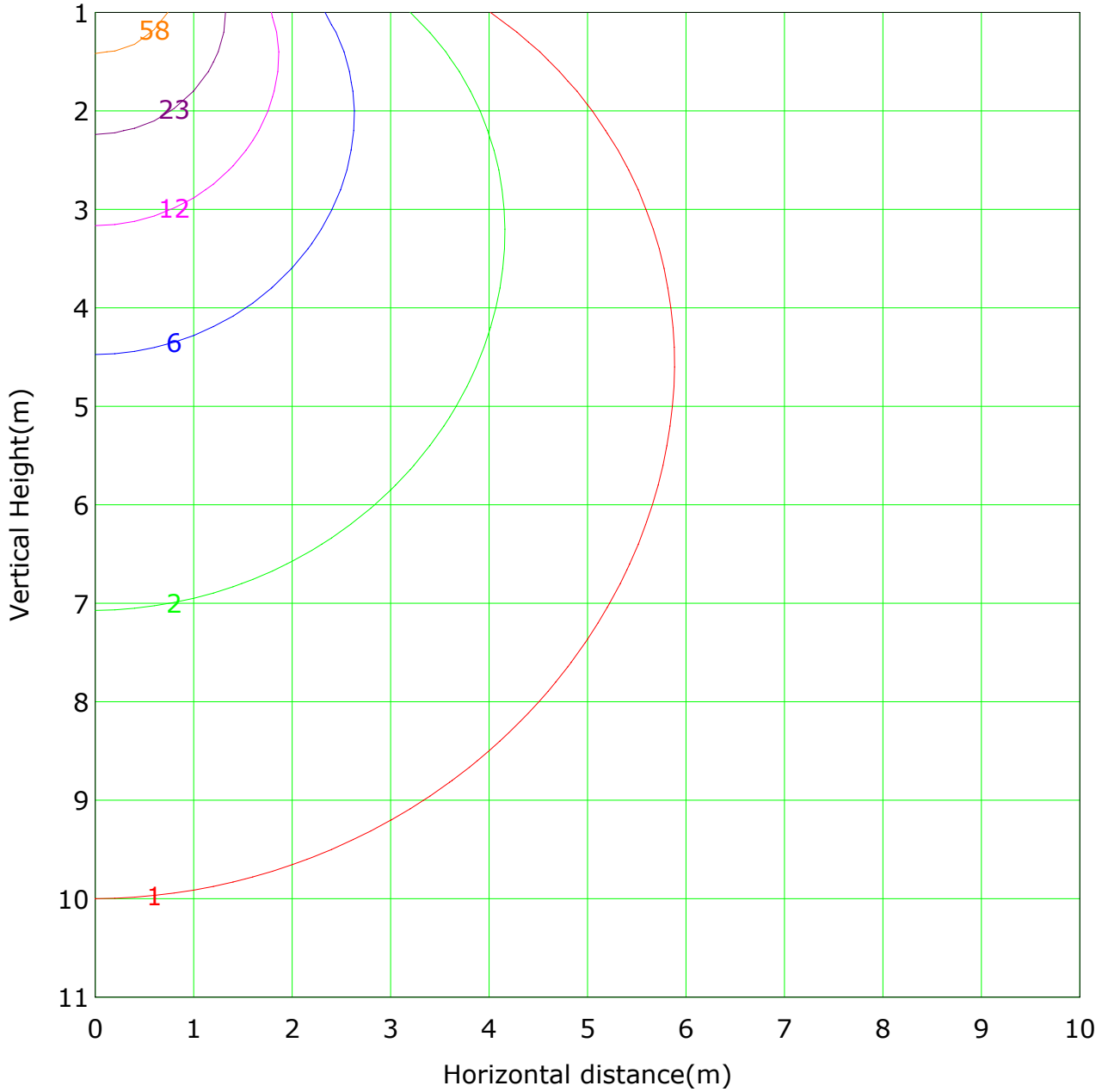
Illuminance at a Distance



C Plane (°):0.0-360.0: 45.0
 Test Lab:
 Test Type: TYPE C
 Temperature: 27
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 6.495 m
 Humidity: 67
 Inspector:

Vertical IsoLux Plot

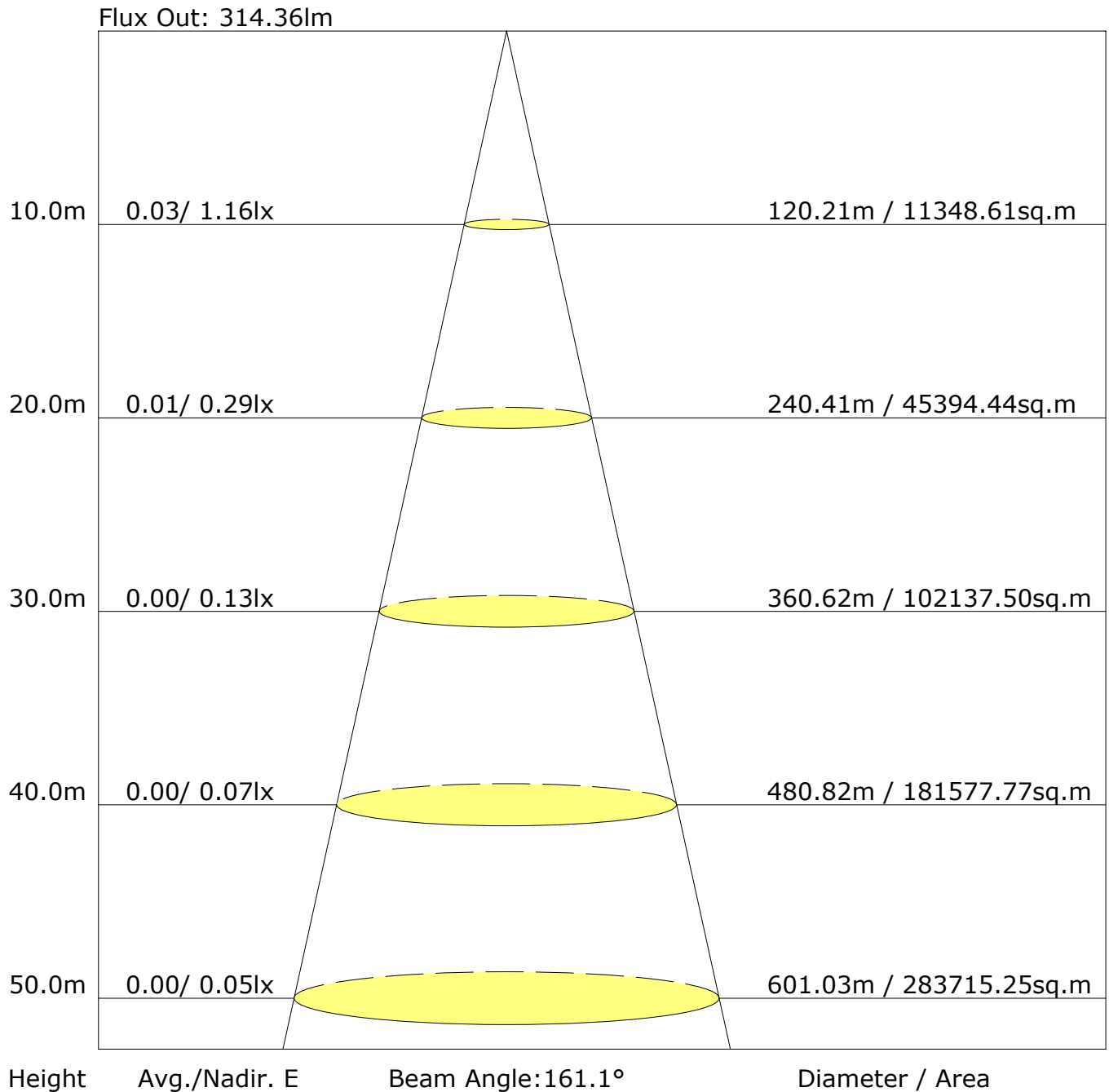


Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 115.8 lx
 (1%): 1.2 lx (2%): 2.3 lx
 (5%): 5.8 lx (10%): 11.6 lx
 (20%): 23.2 lx (50%): 57.9 lx
 (100%): 115.8 lx

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The Average Illuminance Effective Figure



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