

Report No.:

Test Time: 2019-11-04 16:19

## Luminaire Property

Luminaire Manufacturer:

Luminaire Category: Tri-proof lighth

Lamp Catalog: LED

Number of Lamps: 384

Luminous Width (mm): 82

Voltage: 230.8 V

Power: 73.59 W

Luminaire Description: MDT-6003-SMD70

Lamp Description: 2835

Luminous Length (mm): 1432

Luminous Height (mm): 47

Current: 0.355 A

Power Factor: 0.897

## Photometric Results

CIE Class: Semi-Direct

Measurement Flux: 7454.5 lm

Downward Ratio: 87%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 268.6, 159.0, 196.8, 197.0

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 130.0, 108.0, 117.6, 117.6

Luminaire Efficacy Rating (LER): 101.35

Max. Intensity: 2035.69 cd

S/MH(C0/C180): 1.30

Total Rated Lamp Lumens: 7454.5 lm

Efficiency: 100%

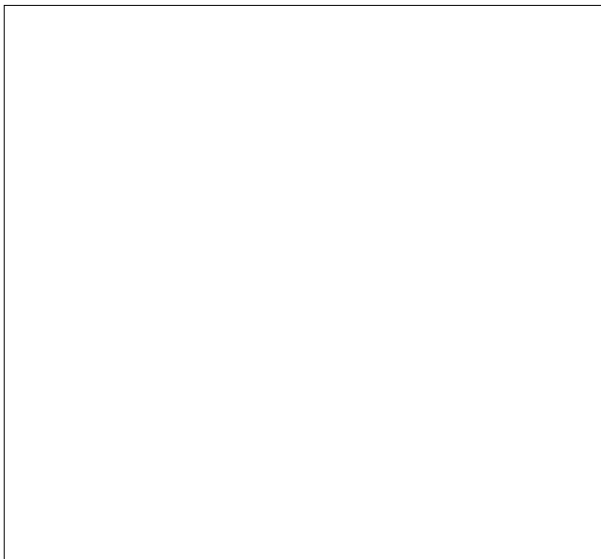
Upward Ratio: 13%

Central Intensity: 2035.68 cd

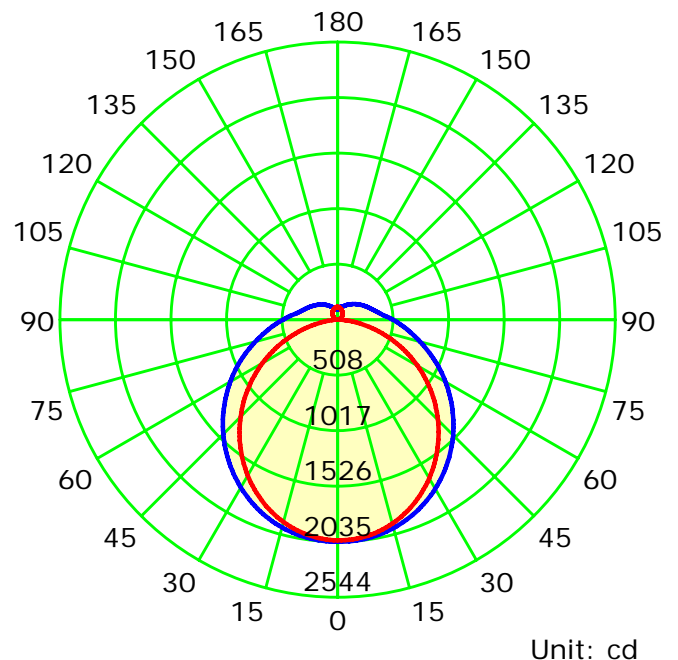
Pos of Max. Intensity: H0 V0

S/MH(C90/C270): 1.22

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator: 01

Gamma Plane (°):0.0-180.0:1.0

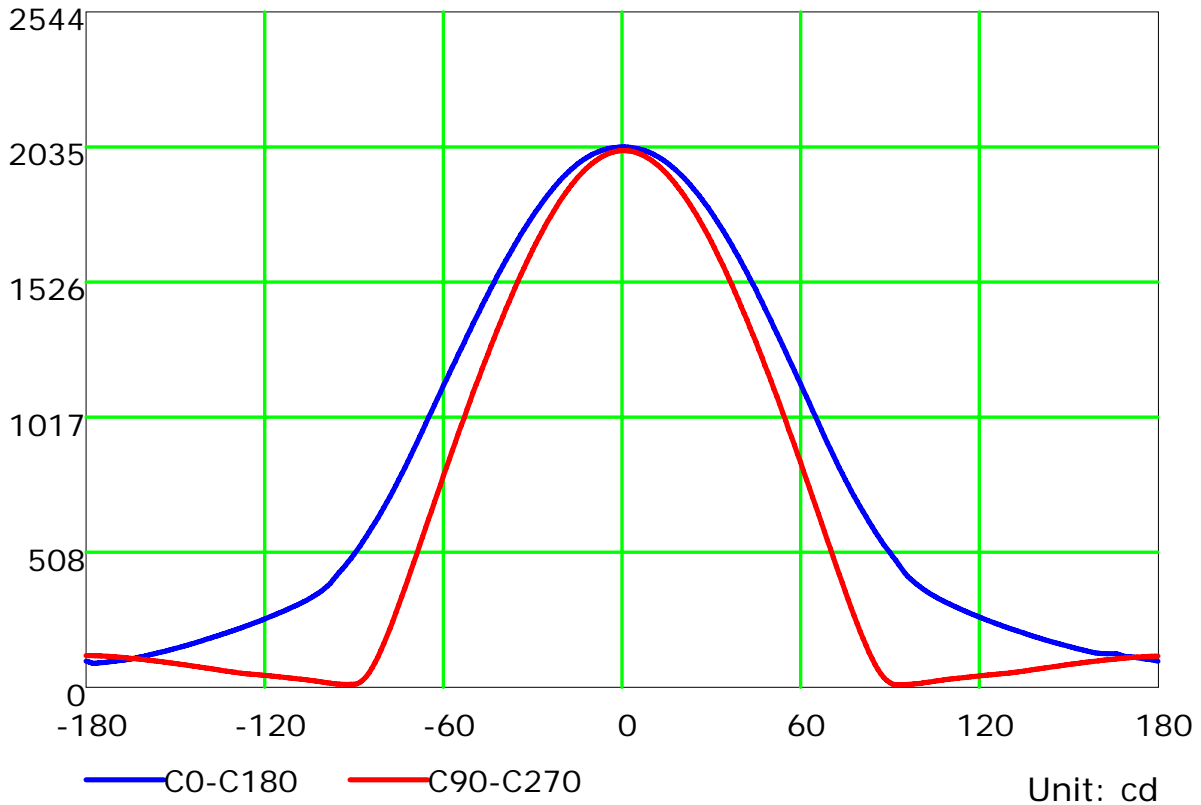
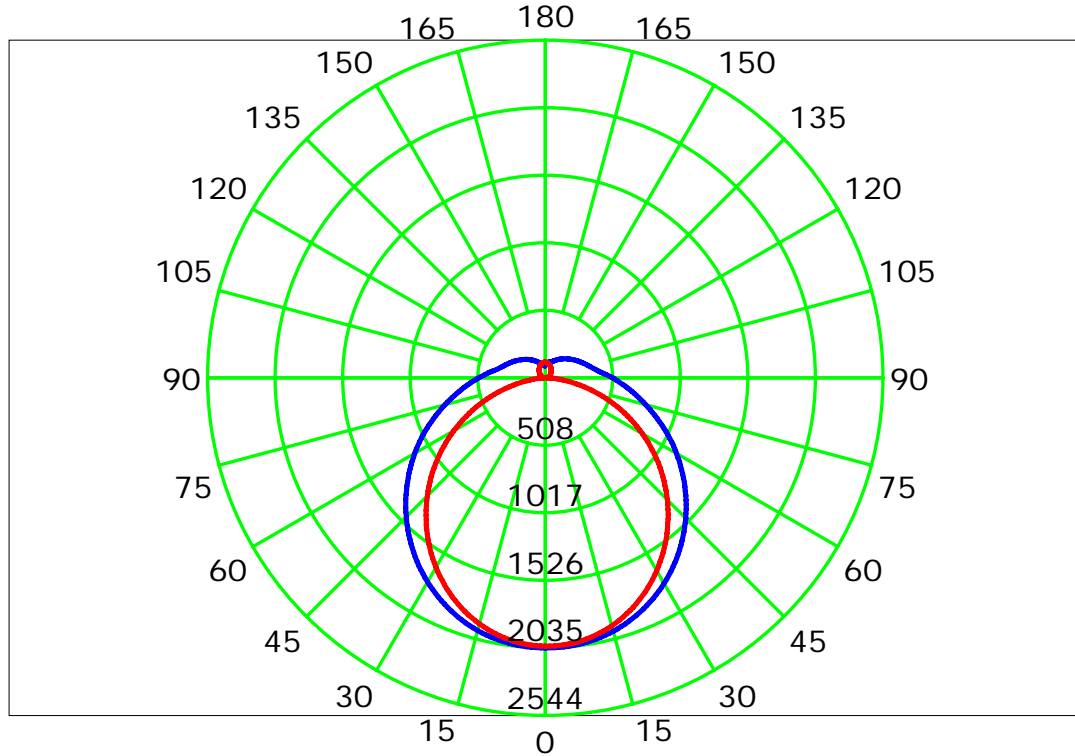
Test Device: GPM-1600L

Distance: 8.606 m

Humidity:

Inspector:

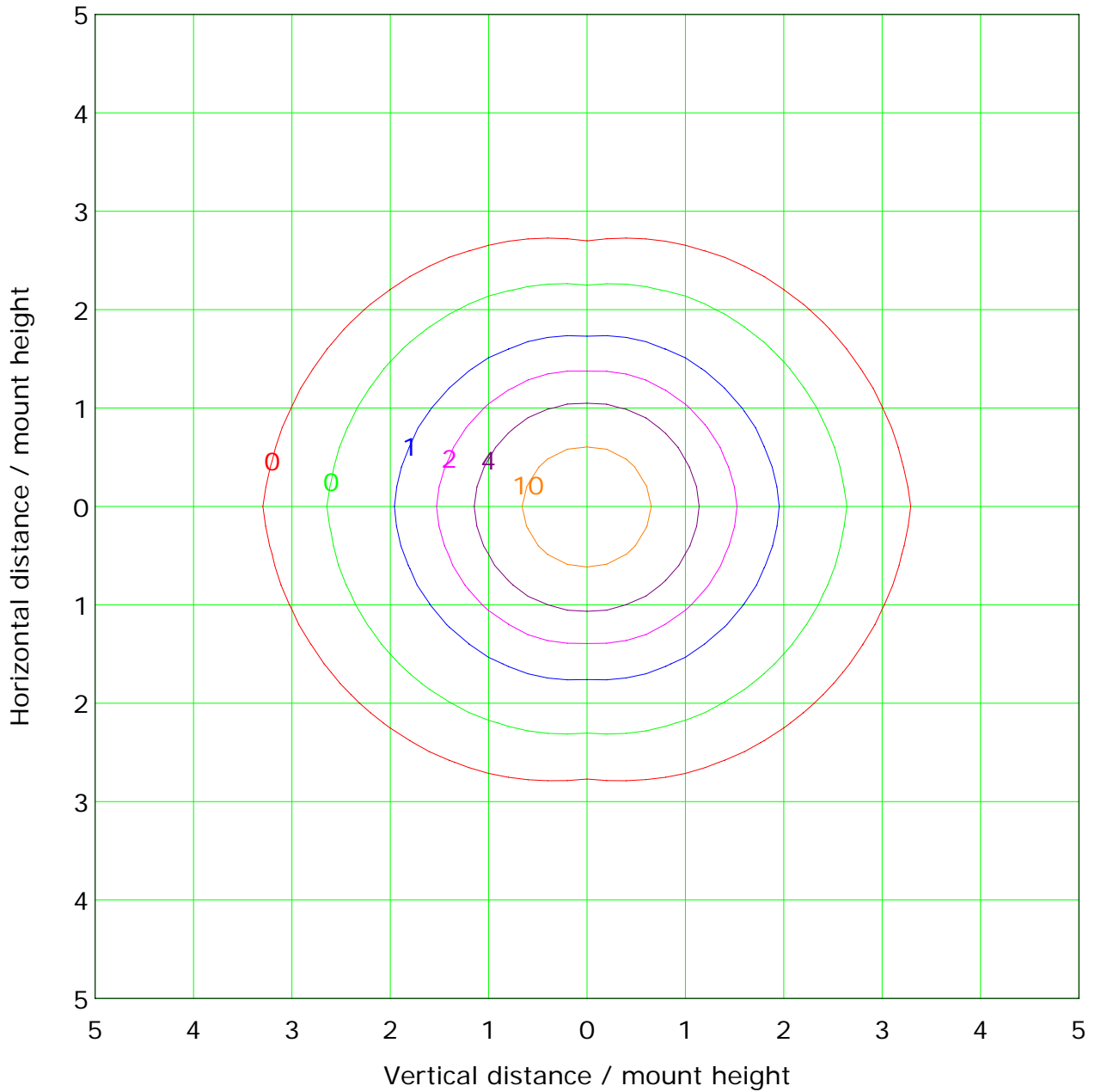
## Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 90.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator: 01

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1600L  
Distance: 8.606 m  
Humidity:  
Inspector:

## IsoLux Plot

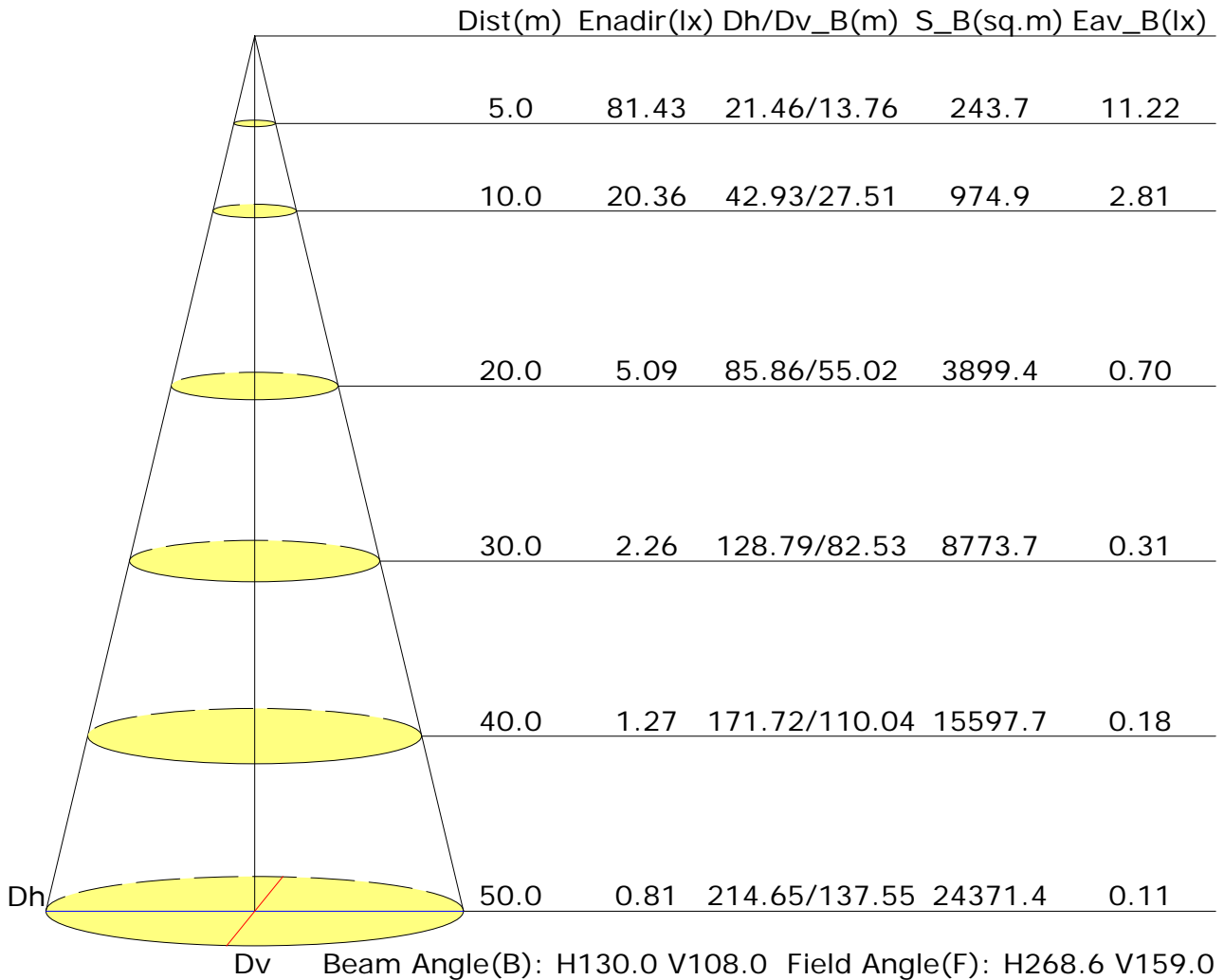


Mounting Height: 10.0m		Max Lux(100%): 20.4 lx	
— ( 1%):	0.2 lx	— ( 2%):	0.4 lx
— ( 5%):	1.0 lx	— ( 10%):	2.0 lx
— ( 20%):	4.1 lx	— ( 50%):	10.2 lx
— (100%):	20.4 lx		

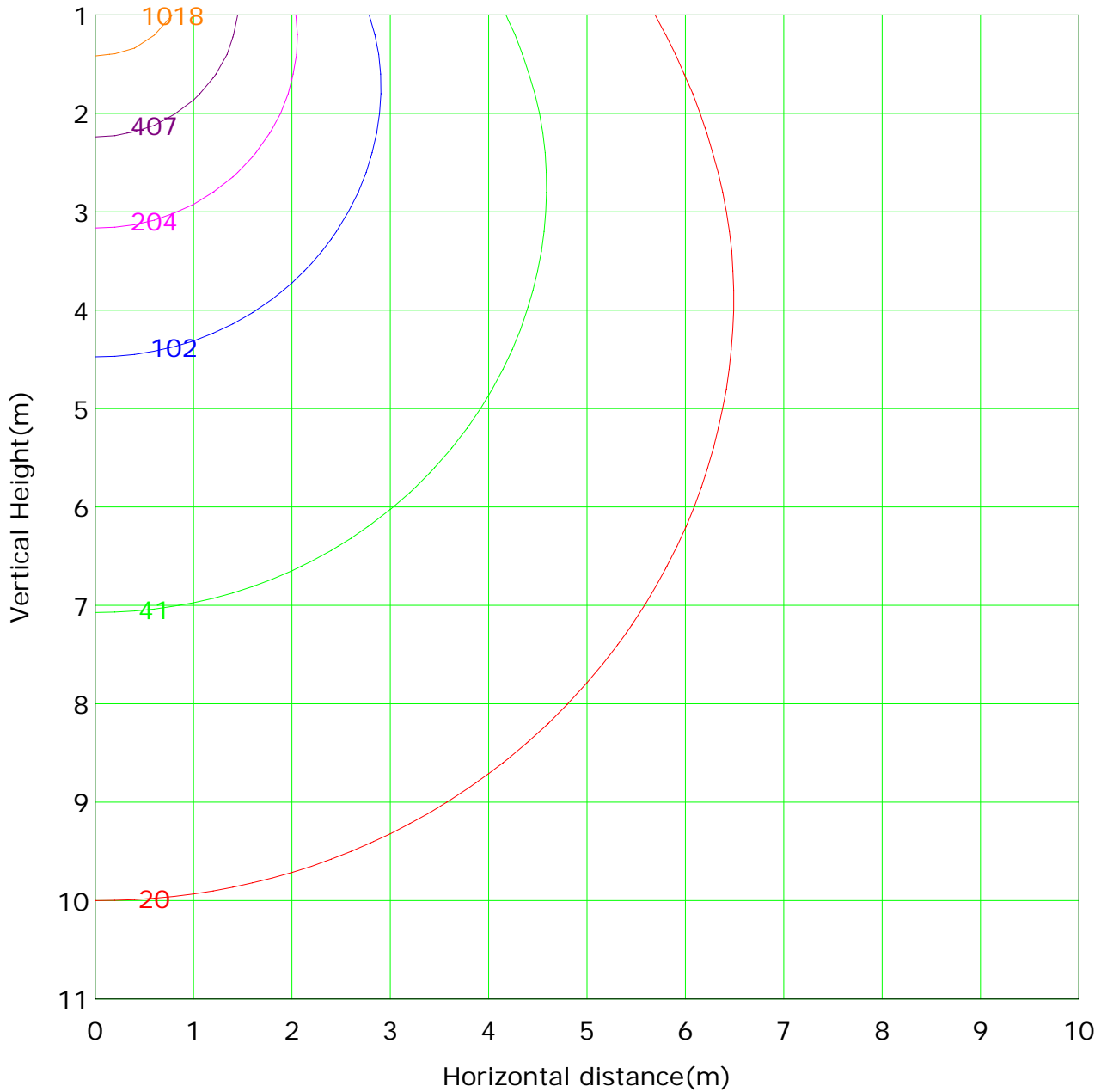
C Plane (°):0.0-360.0: 90.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator: 01

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1600L  
Distance: 8.606 m  
Humidity:  
Inspector:

## Illuminance at a Distance



## Vertical IsoLux Plot



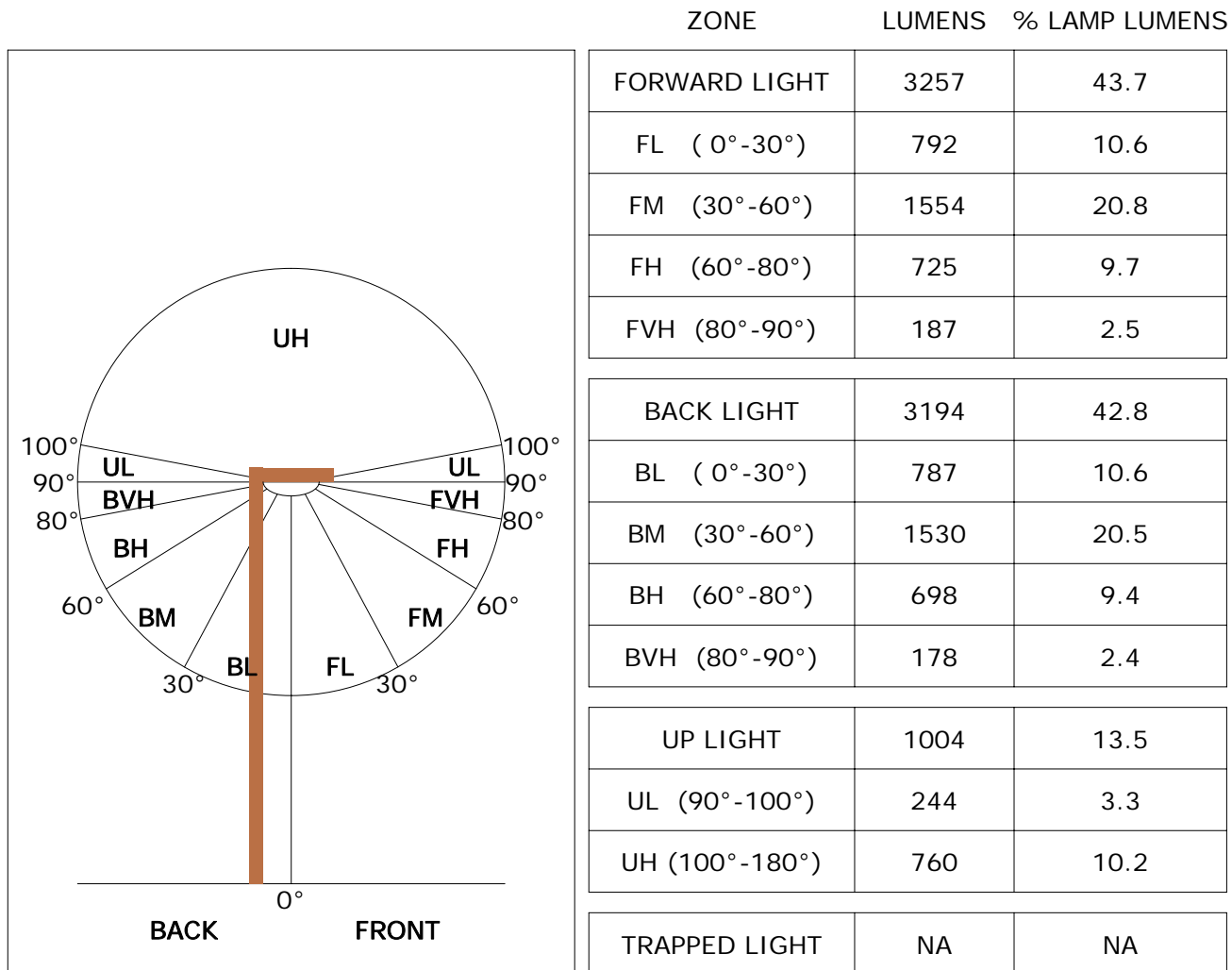
Lowest(m): 1.0m    Highest(m): 11.0m    Max Lux: 2035.7 lx

— ( 1%): 20.4 lx	— ( 2%): 40.7 lx
— ( 5%): 101.8 lx	— ( 10%): 203.6 lx
— ( 20%): 407.1 lx	— ( 50%): 1017.8 lx
— (100%): 2035.7 lx	

C Plane (°): 0.0-360.0: 90.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator: 01

Gamma Plane (°): 0.0-180.0: 1.0  
Test Device: GPM-1600L  
Distance: 8.606 m  
Humidity:  
Inspector:

**FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM**



BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B2 U5 G2
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B2 U5 G1

C Plane (°):0.0-360.0: 90.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator: 01

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1600L  
Distance: 8.606 m  
Humidity:  
Inspector: