

Report No.:

Test Time: 2025/11/7 星期五 09:29

## Luminaire Property

Luminaire Manufacturer:  
Luminaire Category:  
Lamp Catalog:  
Number of Lamps:  
Luminous Length (mm):  
Luminous Height (mm):  
Current: 0.9085 A  
Power Factor: 0.9975

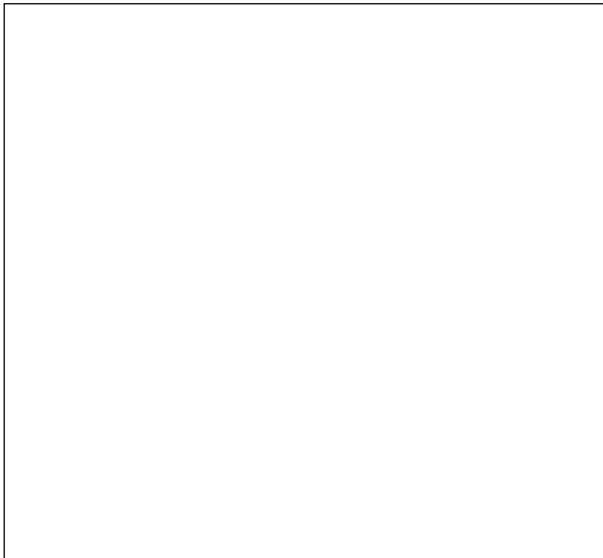
Luminaire Description: PSL007-200W  
Lamp Description:  
Lumens per Lamp:  
Luminous Width (mm):  
Voltage: 219.85 V  
Power: 199.26 W

## Photometric Results

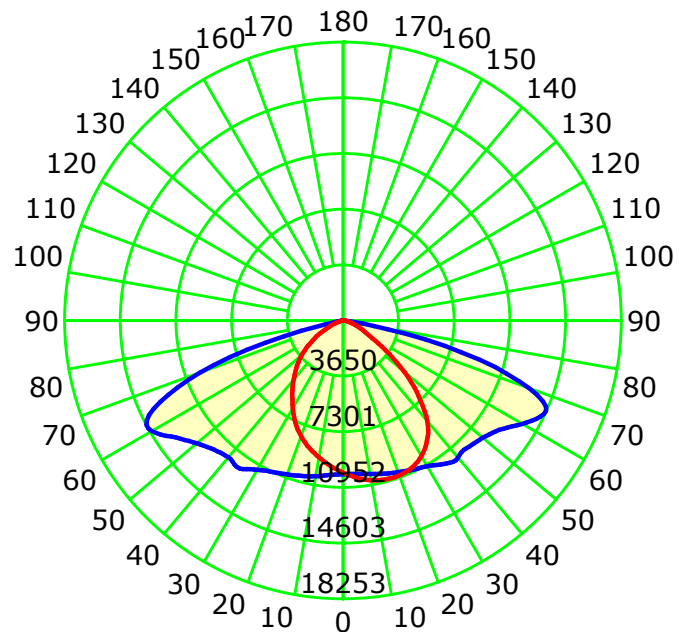
IES Classification: Type II  
Total Rated Lamp Lumens: 33960.8 lm  
Efficiency: 100%  
Upward Ratio: 0%  
C0r0 Intensity: 10082.1 cd  
Pos of Max. Intensity: H180 V61  
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 148.0, 87.3, 108.9, 108.5

Longitudinal Classification: Short  
Measurement Flux: 33960.8 lm  
Downward Ratio: 100%  
Luminous Efficacy (lm/w): 170.43  
Max. Intensity: 14603.02 cd

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

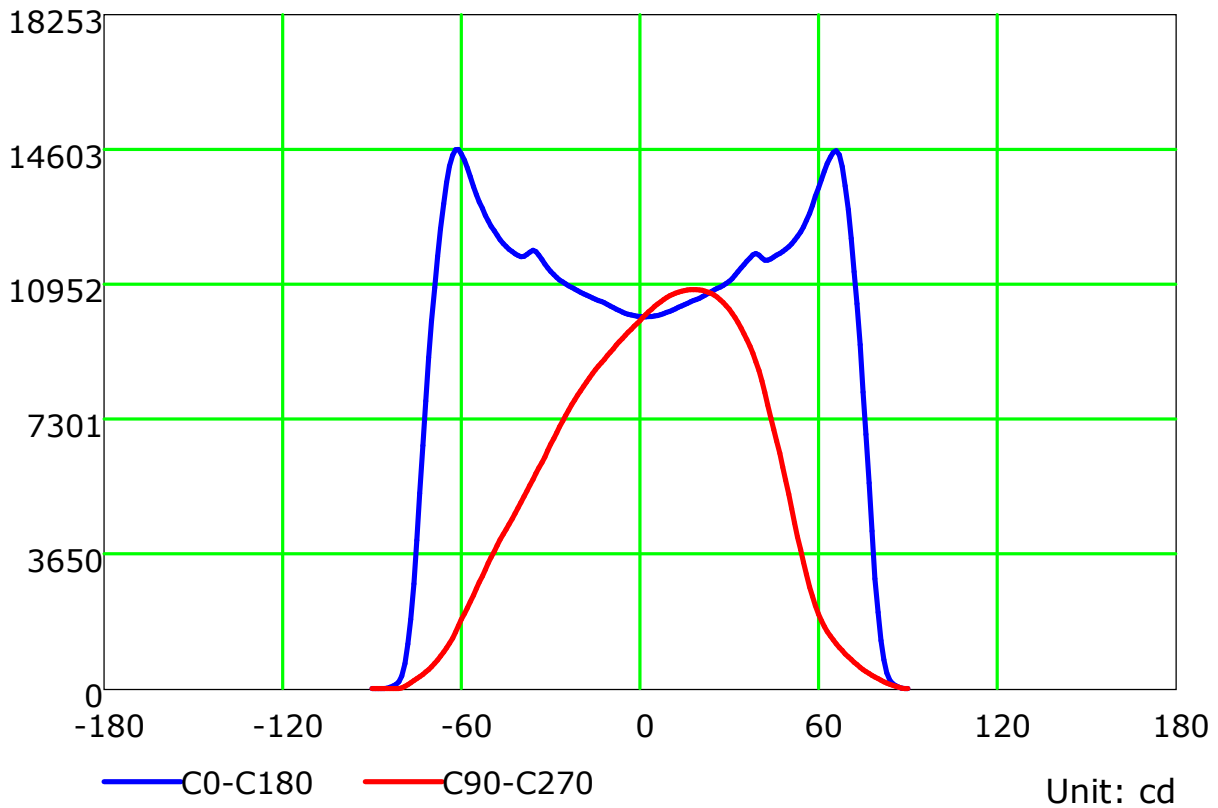
Average Diffuse Angle(50%): 117.7°

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 15.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 20.9 °C  
Operator:

Gamma Plane (°):0.0-90.0:1.0  
Test Device: GPM-3000  
Distance: 16.601 m [K=1.0000]  
Humidity:  
Inspector:

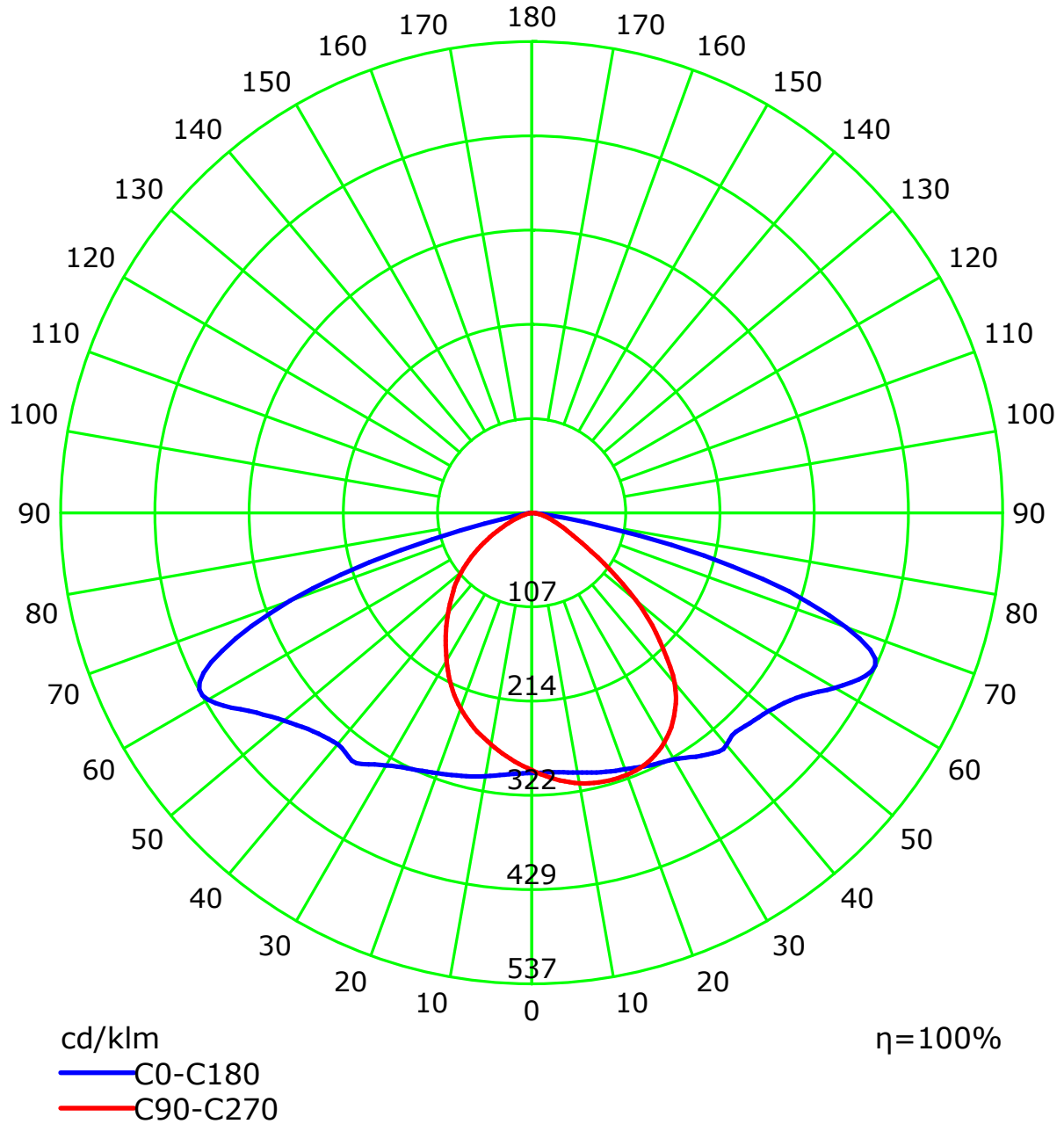
## Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 15.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 20.9 °C  
Operator:

Gamma Plane (°):0.0-90.0:1.0  
Test Device: GPM-3000  
Distance: 16.601 m [K=1.0000]  
Humidity:  
Inspector:

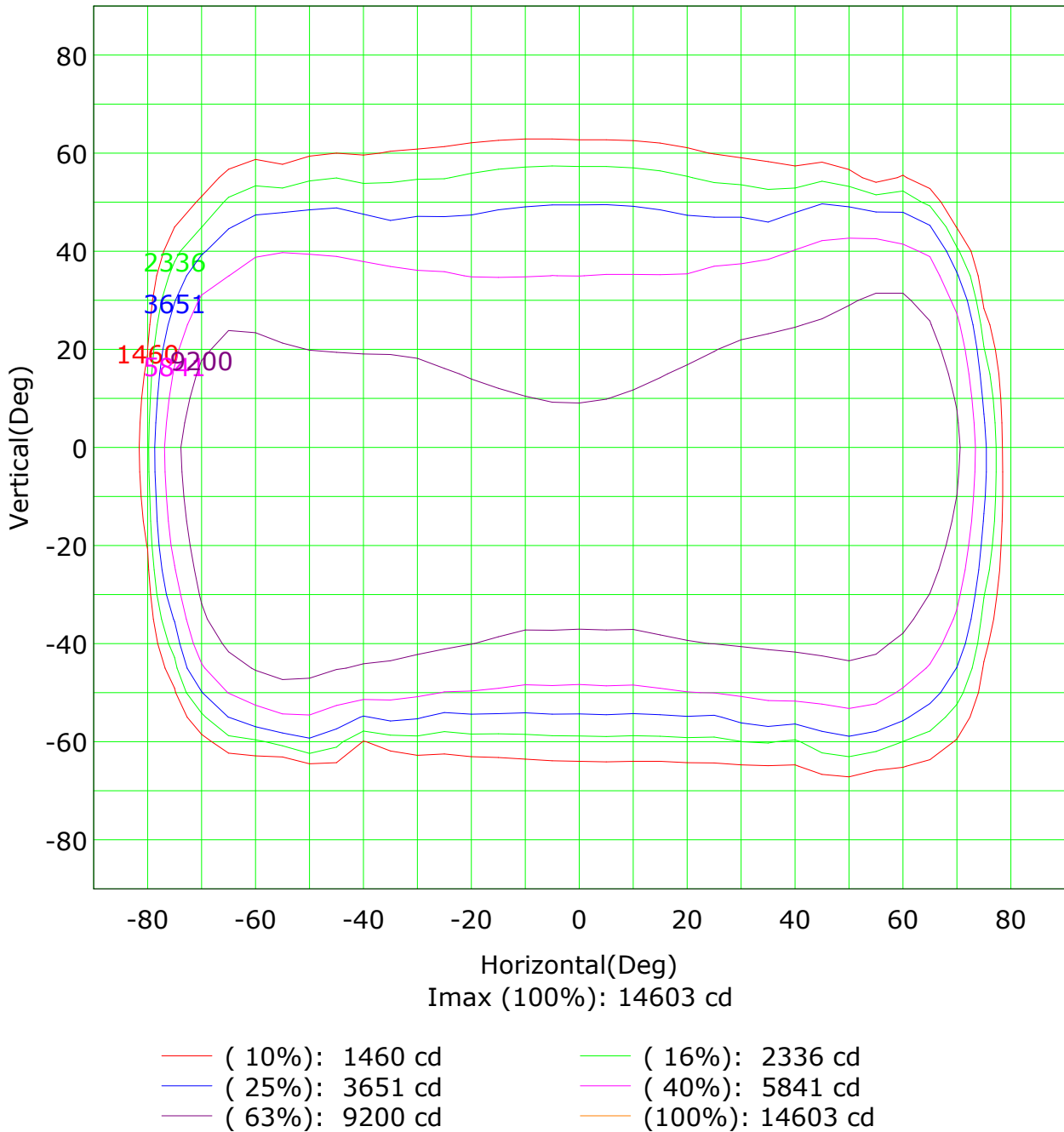
## Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 15.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 20.9 °C  
Operator:

Gamma Plane (°):0.0-90.0:1.0  
Test Device: GPM-3000  
Distance: 16.601 m [K=1.0000]  
Humidity:  
Inspector:

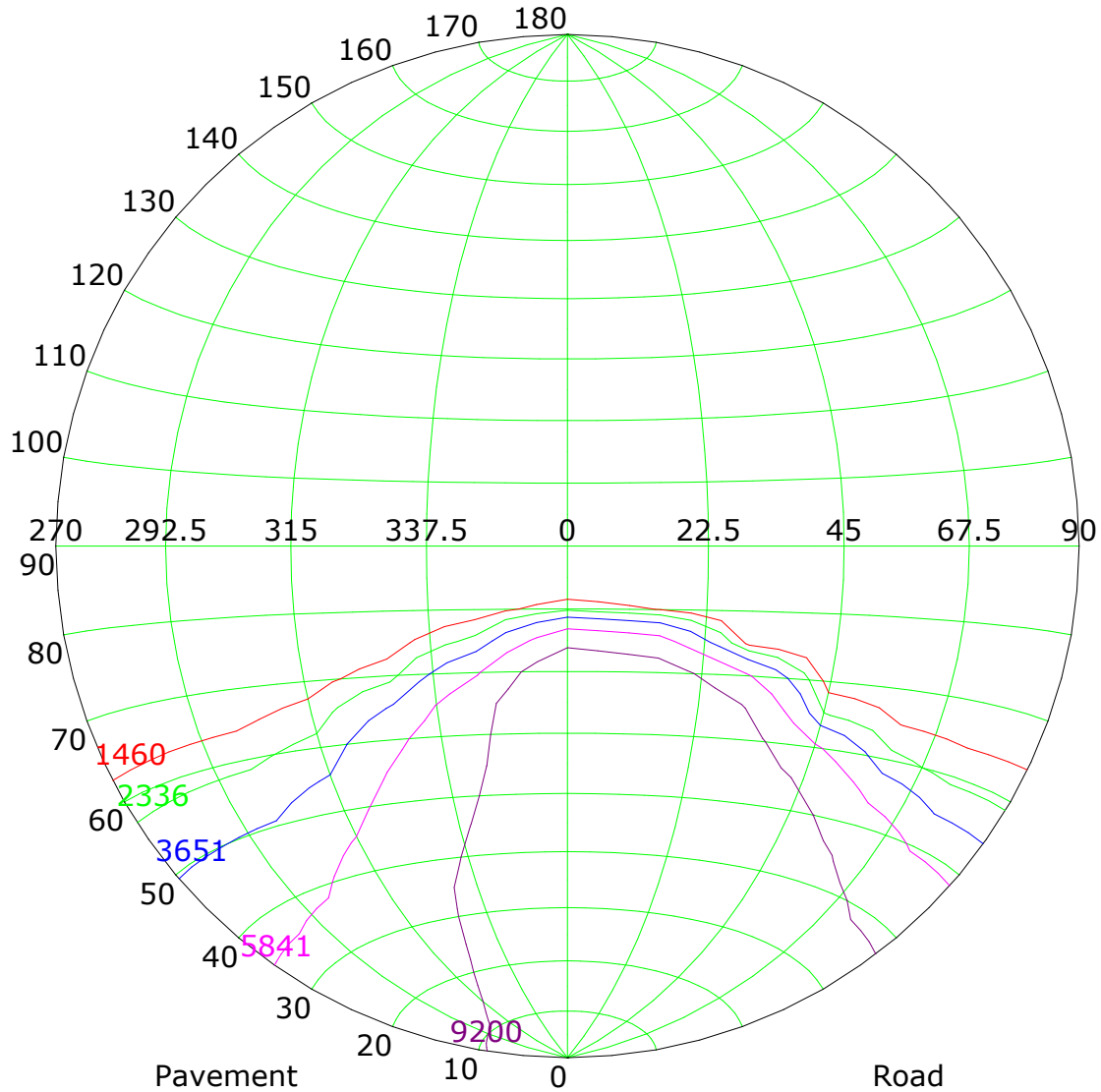
## Isocandela (rectangle)



C Plane (°):0.0-360.0: 15.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 20.9 °C  
Operator:

Gamma Plane (°):0.0-90.0:1.0  
Test Device: GPM-3000  
Distance: 16.601 m [K=1.0000]  
Humidity:  
Inspector:

## Isocandela (sphere)



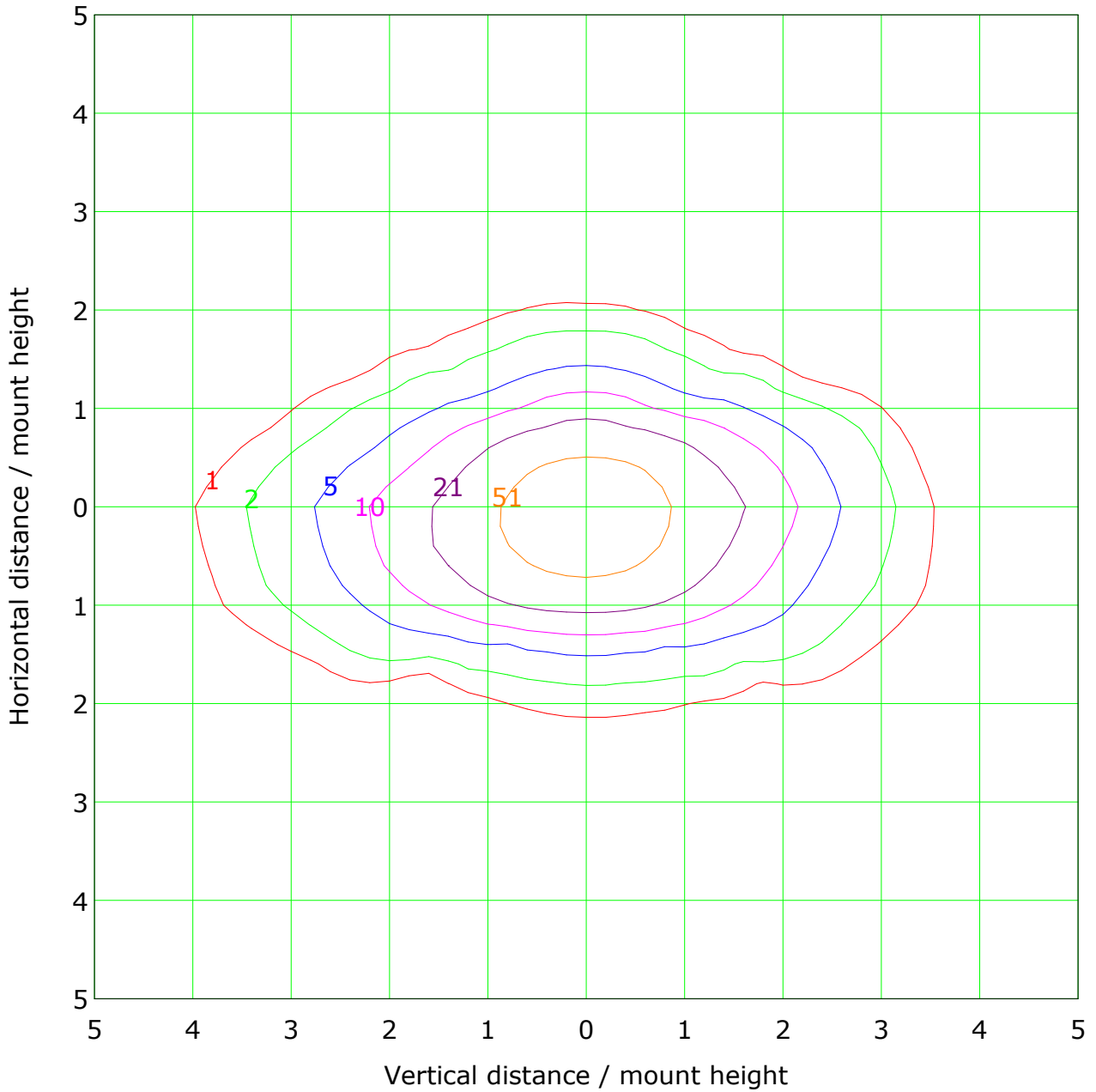
Imax (100%): 14603 cd

- |                   |                    |
|-------------------|--------------------|
| — ( 10%): 1460 cd | — ( 16%): 2336 cd  |
| — ( 25%): 3651 cd | — ( 40%): 5841 cd  |
| — ( 63%): 9200 cd | — (100%): 14603 cd |

CIE: narrow - intermediate  
CIE: Semi-cut-off luminaire  
Max.At90: 0.000 cd/klm

IES: Cut-off  
Max.At80: 60.811 cd/klm  
Max.80-90: 60.811 cd/klm

## IsoLux Plot



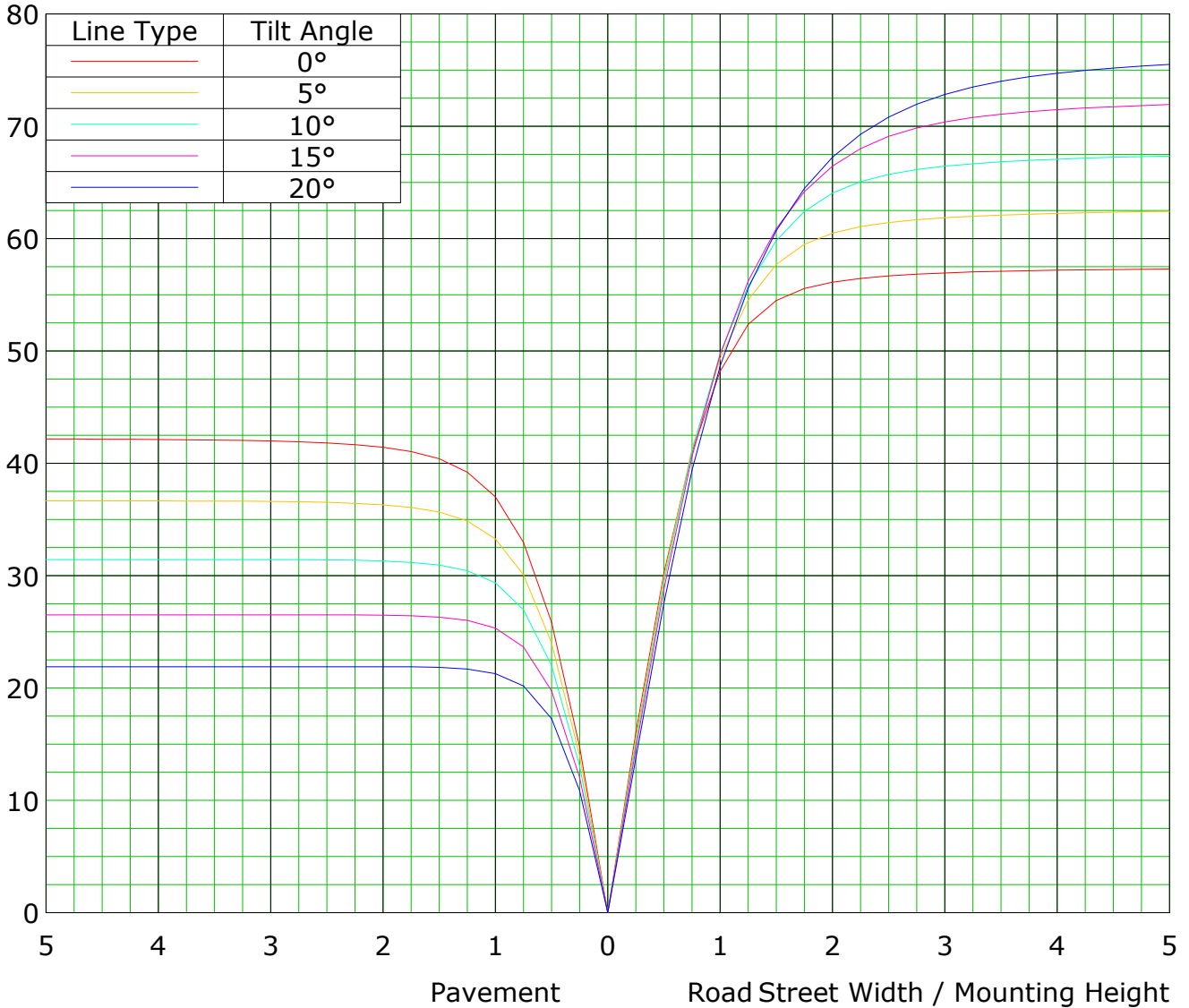
Mounting Height: 10.0m		Max Lux(100%): 102.5 lx
<ul style="list-style-type: none"> <li><span style="color: red;">—</span> ( 1%): 1.0 lx</li> <li><span style="color: blue;">—</span> ( 5%): 5.1 lx</li> <li><span style="color: purple;">—</span> ( 20%): 20.5 lx</li> <li><span style="color: green;">—</span> (100%): 102.5 lx</li> </ul>	<ul style="list-style-type: none"> <li><span style="color: green;">—</span> ( 2%): 2.1 lx</li> <li><span style="color: magenta;">—</span> ( 10%): 10.3 lx</li> <li><span style="color: orange;">—</span> ( 50%): 51.3 lx</li> </ul>	

C Plane (°):0.0-360.0: 15.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature: 20.9 °C  
 Operator:

Gamma Plane (°):0.0-90.0:1.0  
 Test Device: GPM-3000  
 Distance: 16.601 m [K=1.0000]  
 Humidity:  
 Inspector:

## Roadway CU Curve

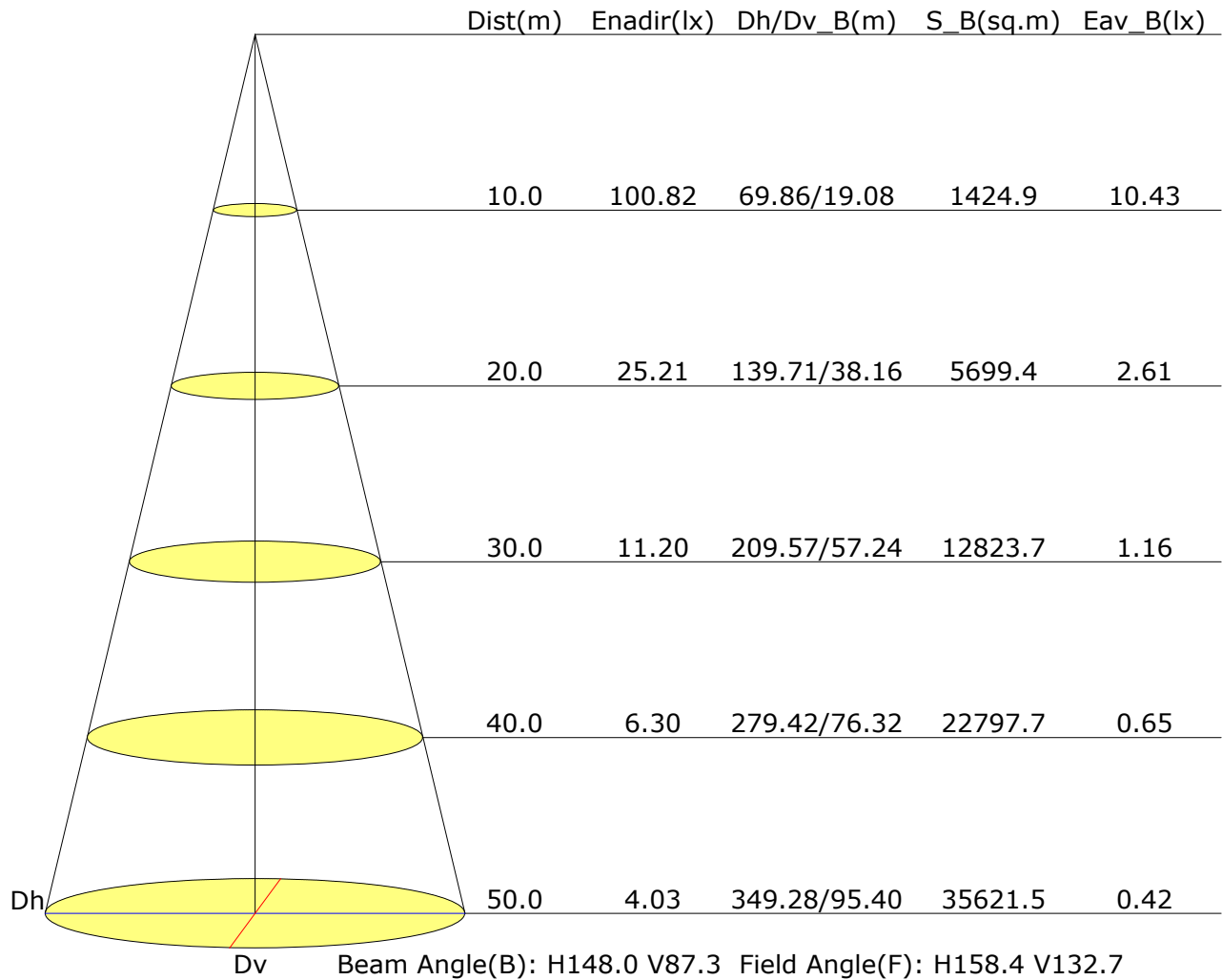
Efficiency(%)



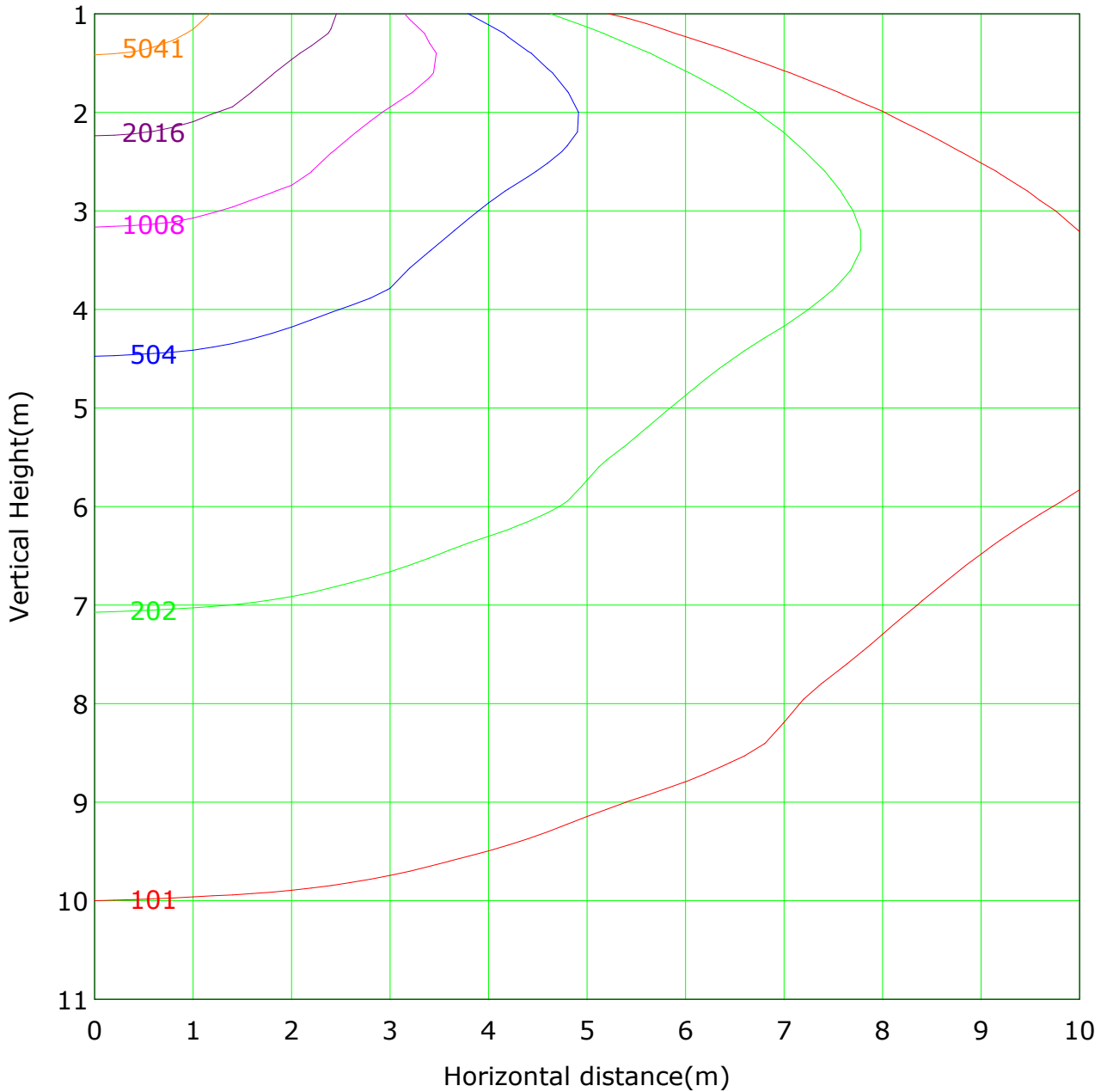
C Plane (°):0.0-360.0: 15.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 20.9 °C  
Operator:

Gamma Plane (°):0.0-90.0:1.0  
Test Device: GPM-3000  
Distance: 16.601 m [K=1.0000]  
Humidity:  
Inspector:

## Illuminance at a Distance



## Vertical IsoLux Plot



Lowest(m): 1.0m    Highest(m): 11.0m    Max Lux: 10082.1 lx

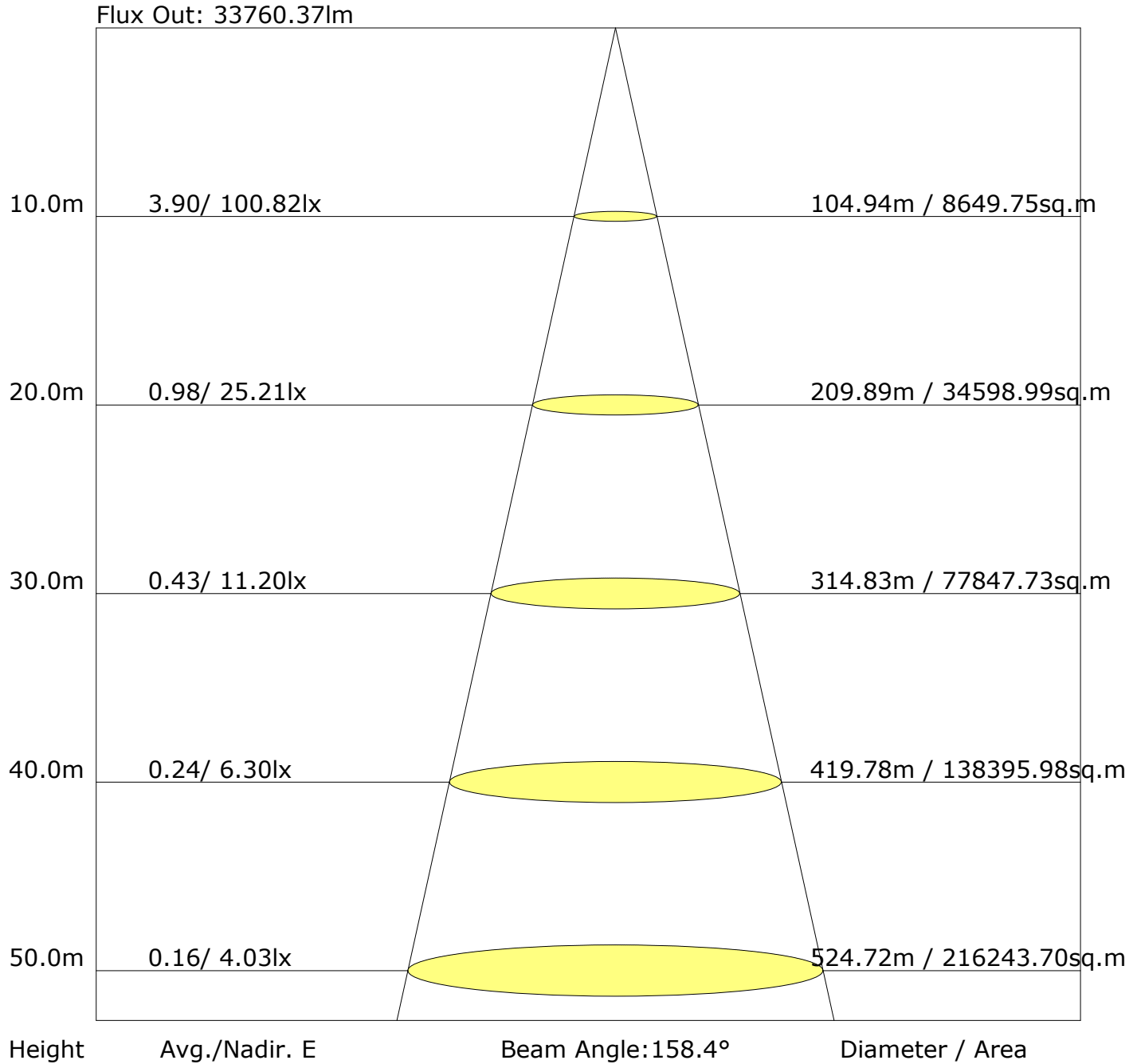
— ( 1%): 100.8 lx	— ( 2%): 201.6 lx
— ( 5%): 504.1 lx	— ( 10%): 1008.2 lx
— ( 20%): 2016.4 lx	— ( 50%): 5041.1 lx
— (100%): 10082.1 lx	

C Plane (°): 0.0-360.0: 15.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 20.9 °C  
Operator:

Gamma Plane (°): 0.0-90.0: 1.0  
Test Device: GPM-3000  
Distance: 16.601 m [K=1.0000]  
Humidity:  
Inspector:



## The Average Illuminance Effective Figure

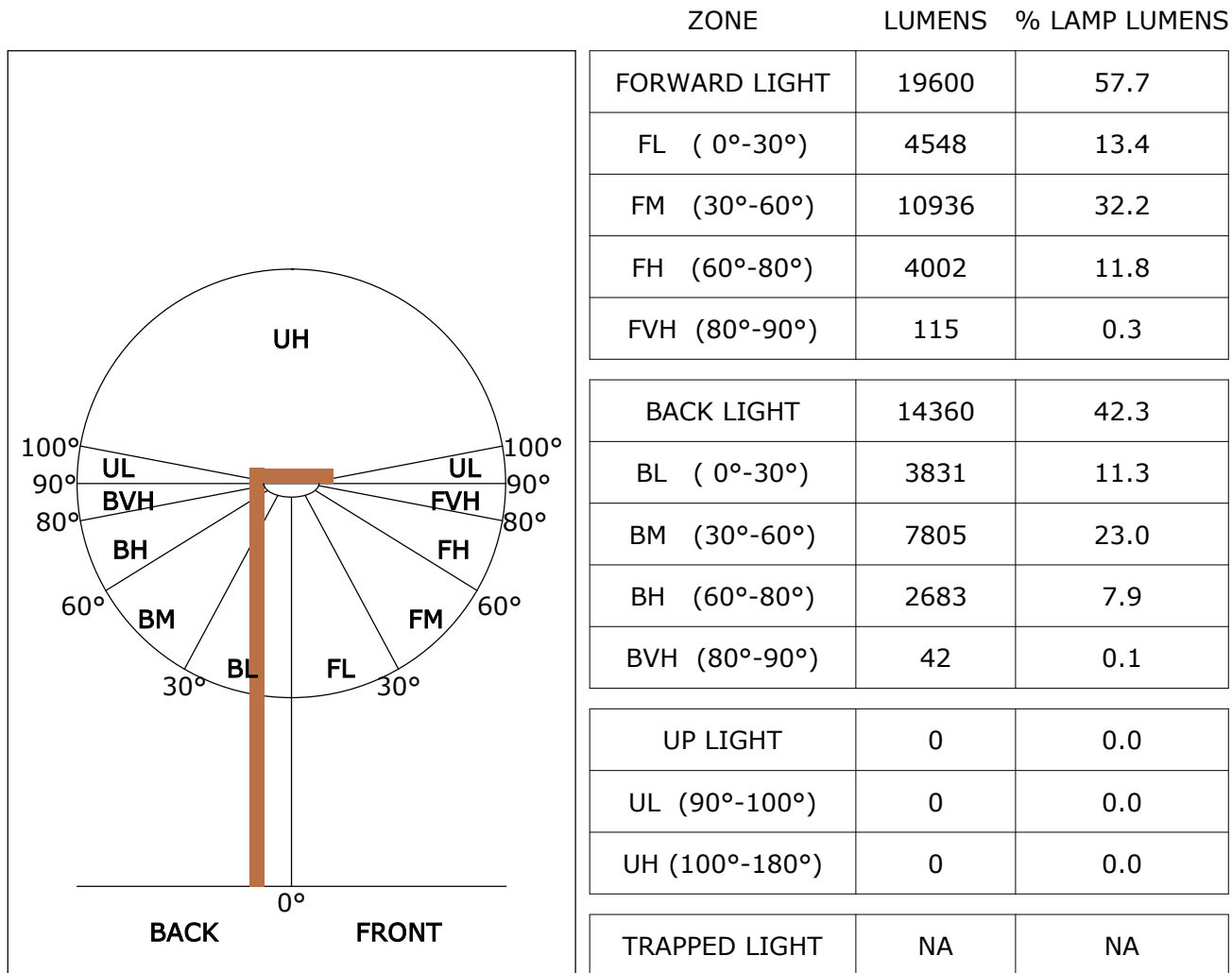


## UGR Table

Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
3H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
12H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
X=4H Y=2H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
3H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
12H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
X=8H Y=4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
12H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
X=12H Y=4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
Variations with the observer position at spacings:										
S=1.0H	-1.\$/-1.\$					-1.\$/-1.\$				
S=1.5H	-1.\$/-1.\$					-1.\$/-1.\$				
S=2.0H	-1.\$/-1.\$					-1.\$/-1.\$				

Calculate in accordance with CIE Pub.117. The table is revised with 33961lm ( $8\log(F/F_0) = 12.2$ ).

**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)	B4 U2 G4
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B4 U2 G2

C Plane (°):0.0-360.0: 15.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 20.9 °C  
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