

Report No.:

Test Time: 2025/5/12 星期一 14:29

## Luminaire Property

Luminaire Manufacturer:  
Luminaire Category:  
Lamp Catalog:  
Number of Lamps:  
Luminous Length (mm):  
Luminous Height (mm):  
Current: 0.3207 A  
Power Factor: 0.9705

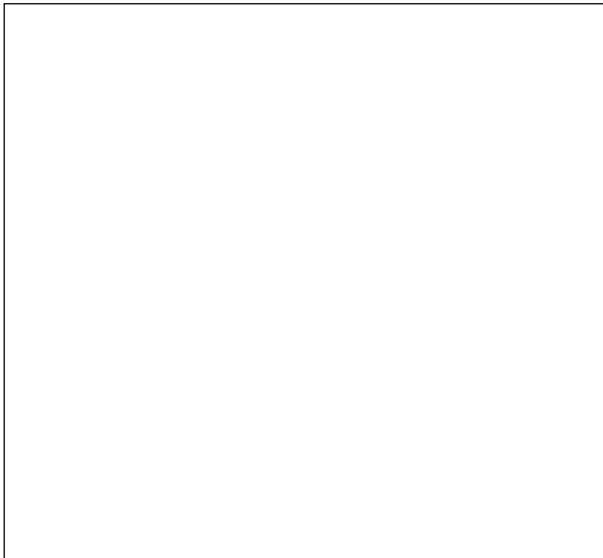
Luminaire Description: PSL004A-70W-3  
Lamp Description:  
Lumens per Lamp:  
Luminous Width (mm):  
Voltage: 220.44 V  
Power: 68.63 W

## Photometric Results

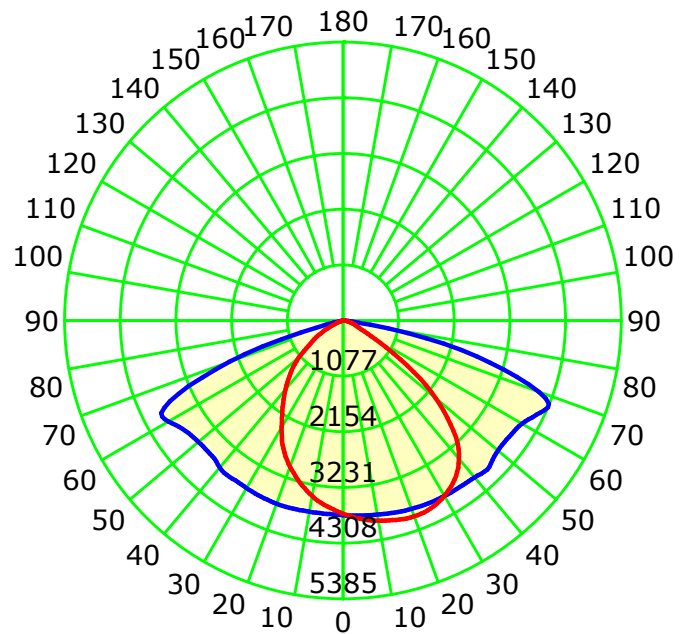
IES Classification: Type II  
Total Rated Lamp Lumens: 11858.3 lm  
Efficiency: 100%  
Upward Ratio: 0%  
C0r0 Intensity: 3765.8 cd  
Pos of Max. Intensity: H0 V67  
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 147.1, 87.5, 108.7, 113.0

Longitudinal Classification: Medium  
Measurement Flux: 11858.3 lm  
Downward Ratio: 100%  
Luminous Efficacy (lm/w): 172.79  
Max. Intensity: 4308.59 cd

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

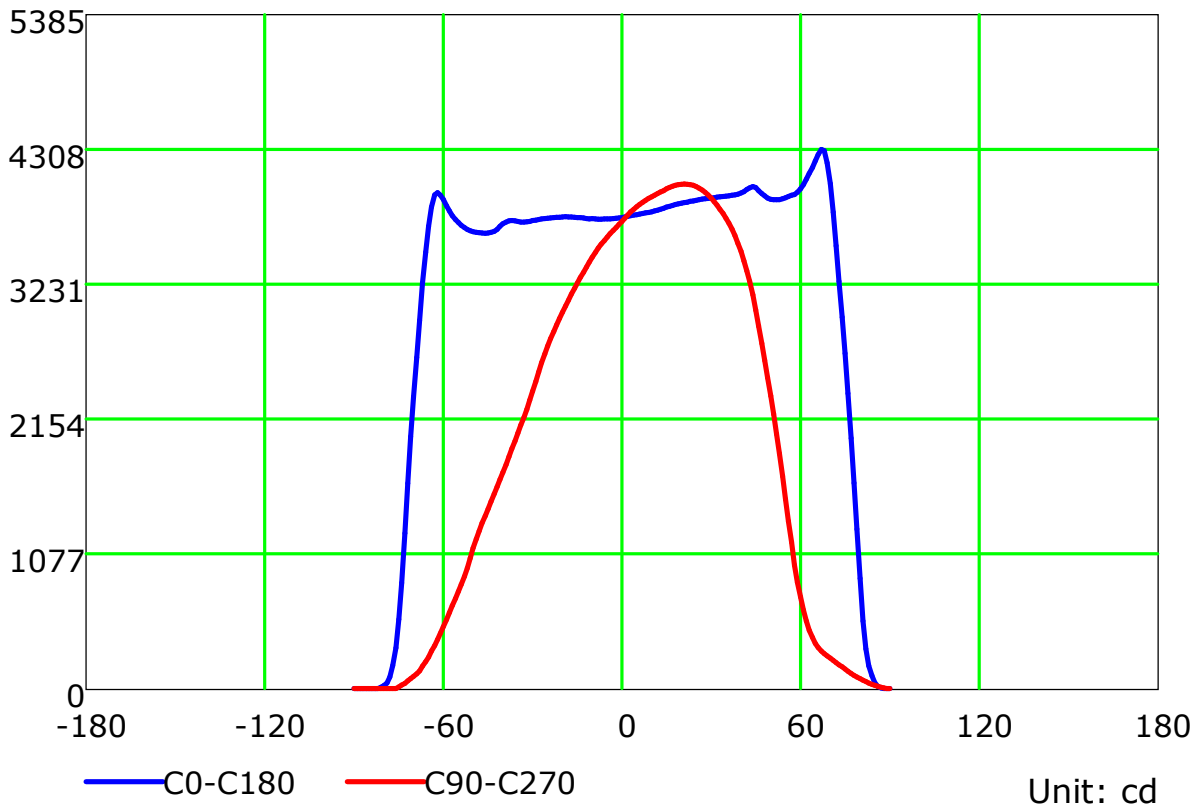
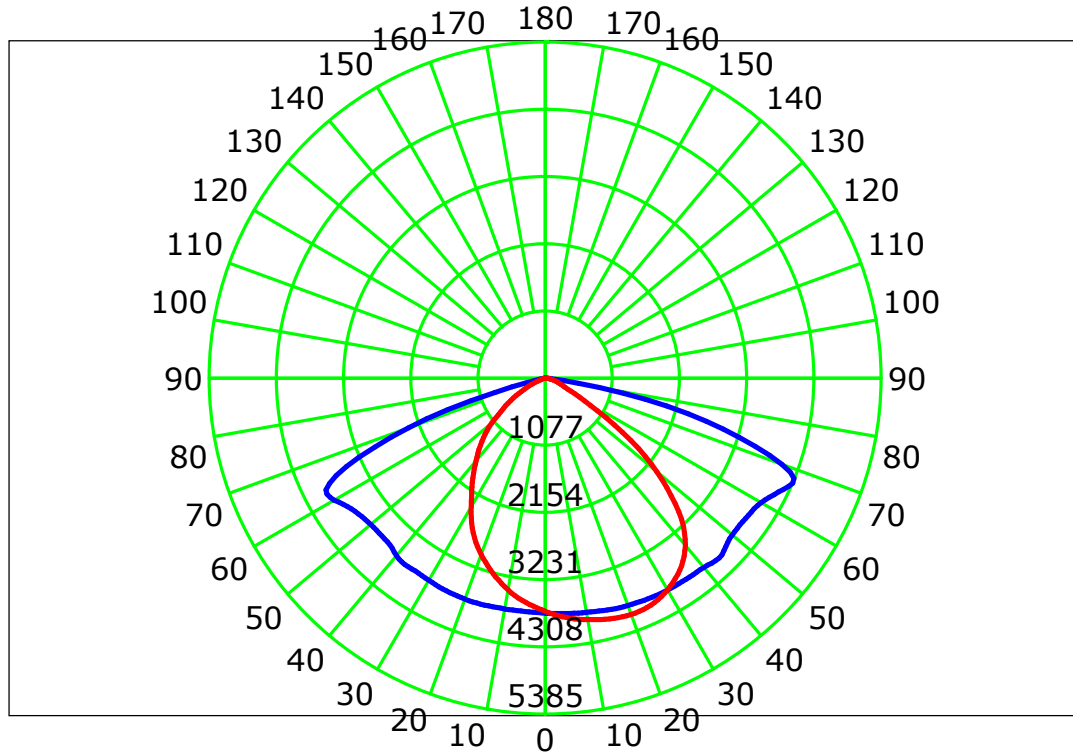
Average Diffuse Angle(50%): 117.3°

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 15.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 26.6 °C  
Operator:

Gamma Plane (°):0.0-90.0:1.0  
Test Device: GPM-3000  
Distance: 16.528 m [K=1.0000]  
Humidity:  
Inspector:

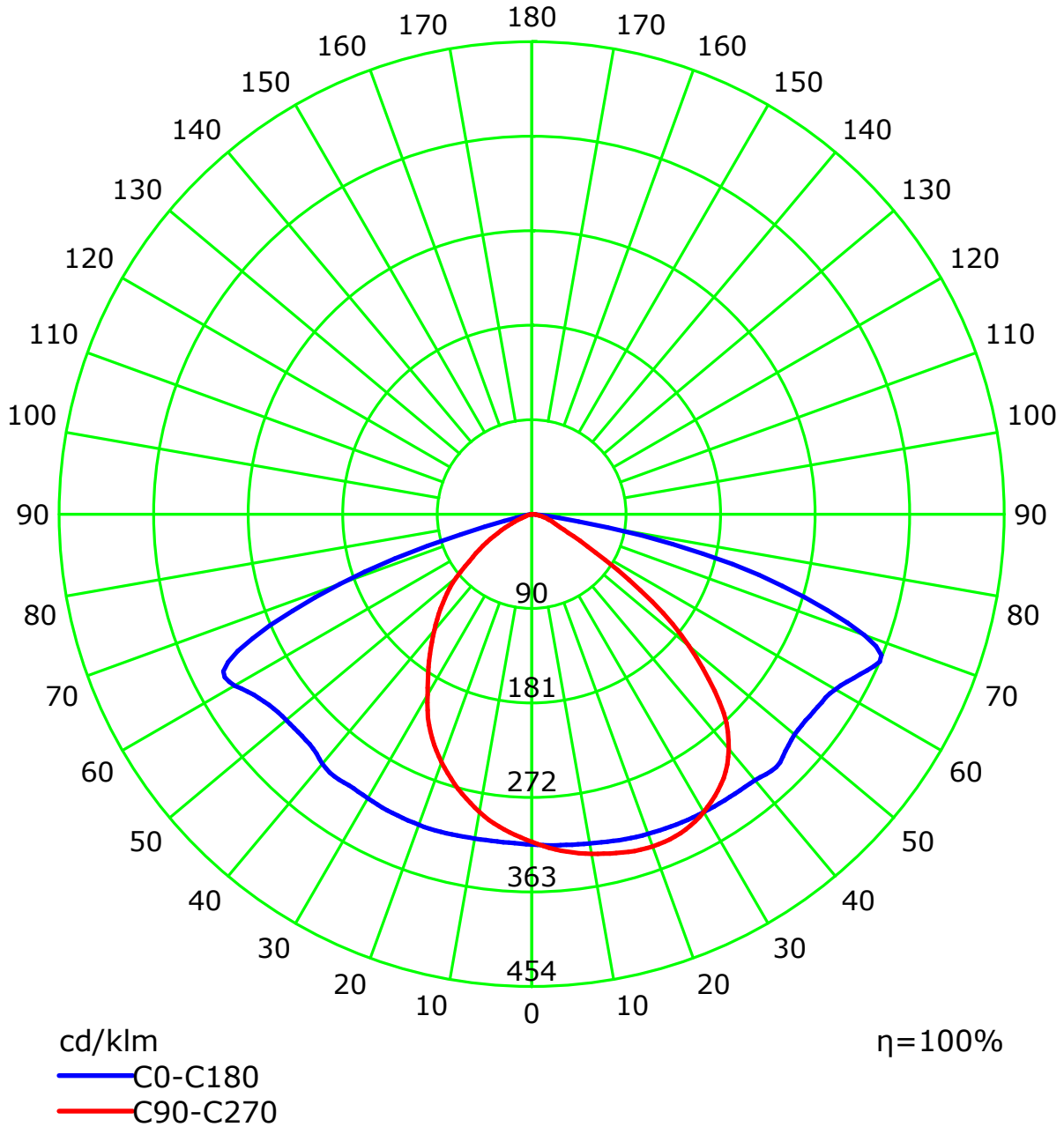
## Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 15.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 26.6 °C  
Operator:

Gamma Plane (°):0.0-90.0:1.0  
Test Device: GPM-3000  
Distance: 16.528 m [K=1.0000]  
Humidity:  
Inspector:

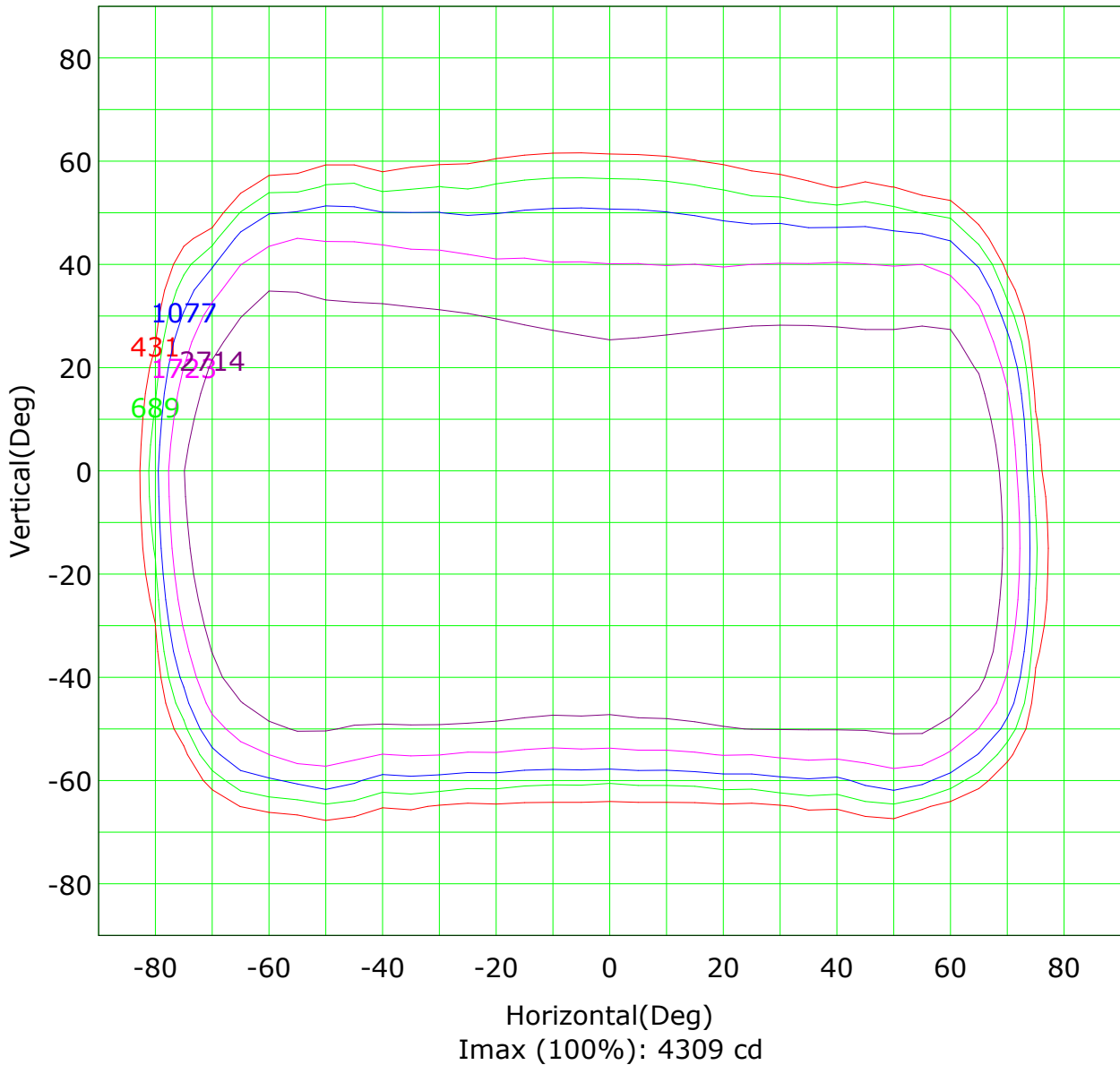
## Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 15.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 26.6 'C  
Operator:

Gamma Plane (°):0.0-90.0:1.0  
Test Device: GPM-3000  
Distance: 16.528 m [K=1.0000]  
Humidity:  
Inspector:

## Isocandela (rectangle)

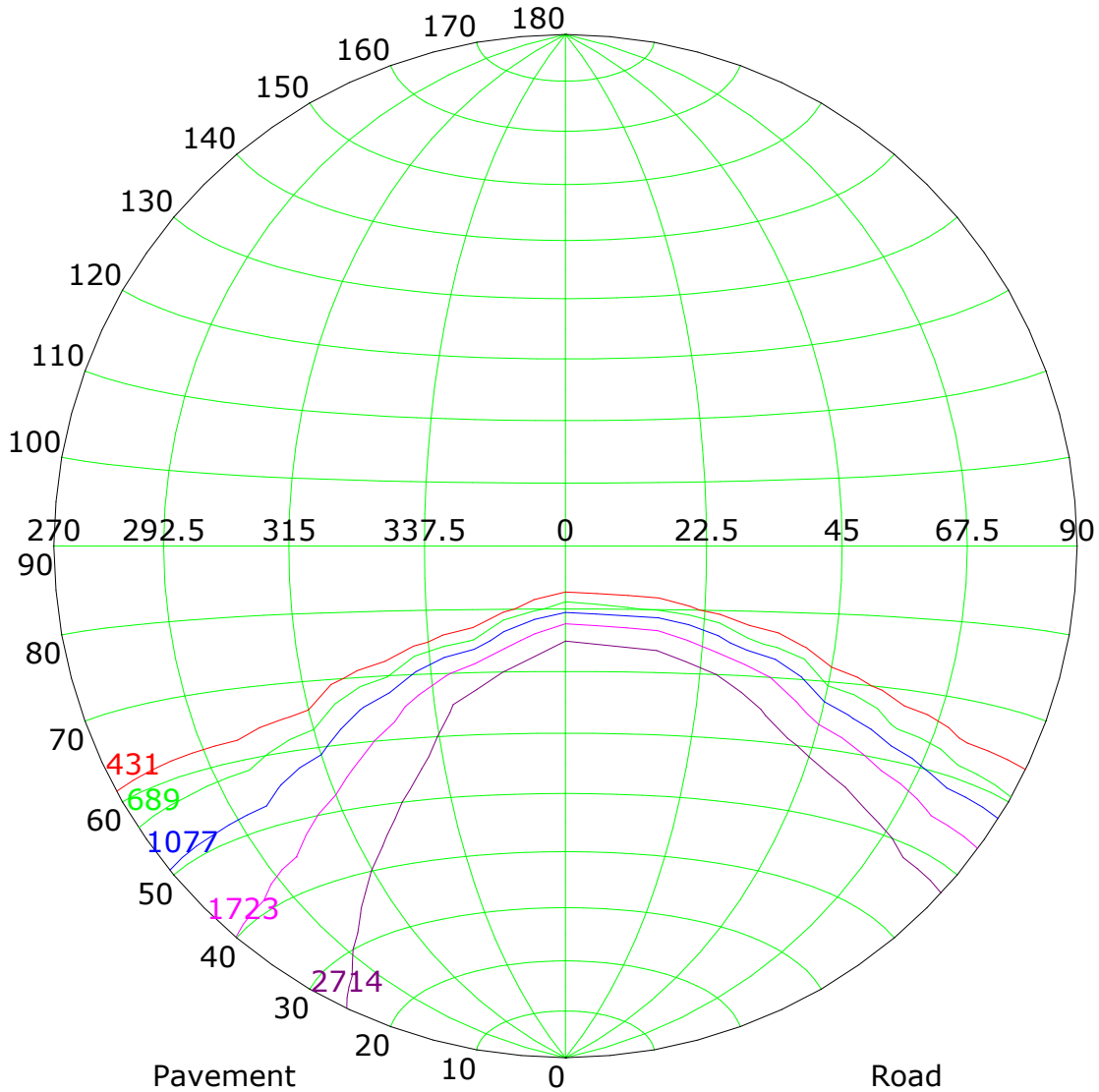


— ( 10%): 431 cd	— ( 16%): 689 cd
— ( 25%): 1077 cd	— ( 40%): 1723 cd
— ( 63%): 2714 cd	— (100%): 4309 cd

C Plane (°):0.0-360.0: 15.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 26.6 °C  
Operator:

Gamma Plane (°):0.0-90.0:1.0  
Test Device: GPM-3000  
Distance: 16.528 m [K=1.0000]  
Humidity:  
Inspector:

## Isocandela (sphere)



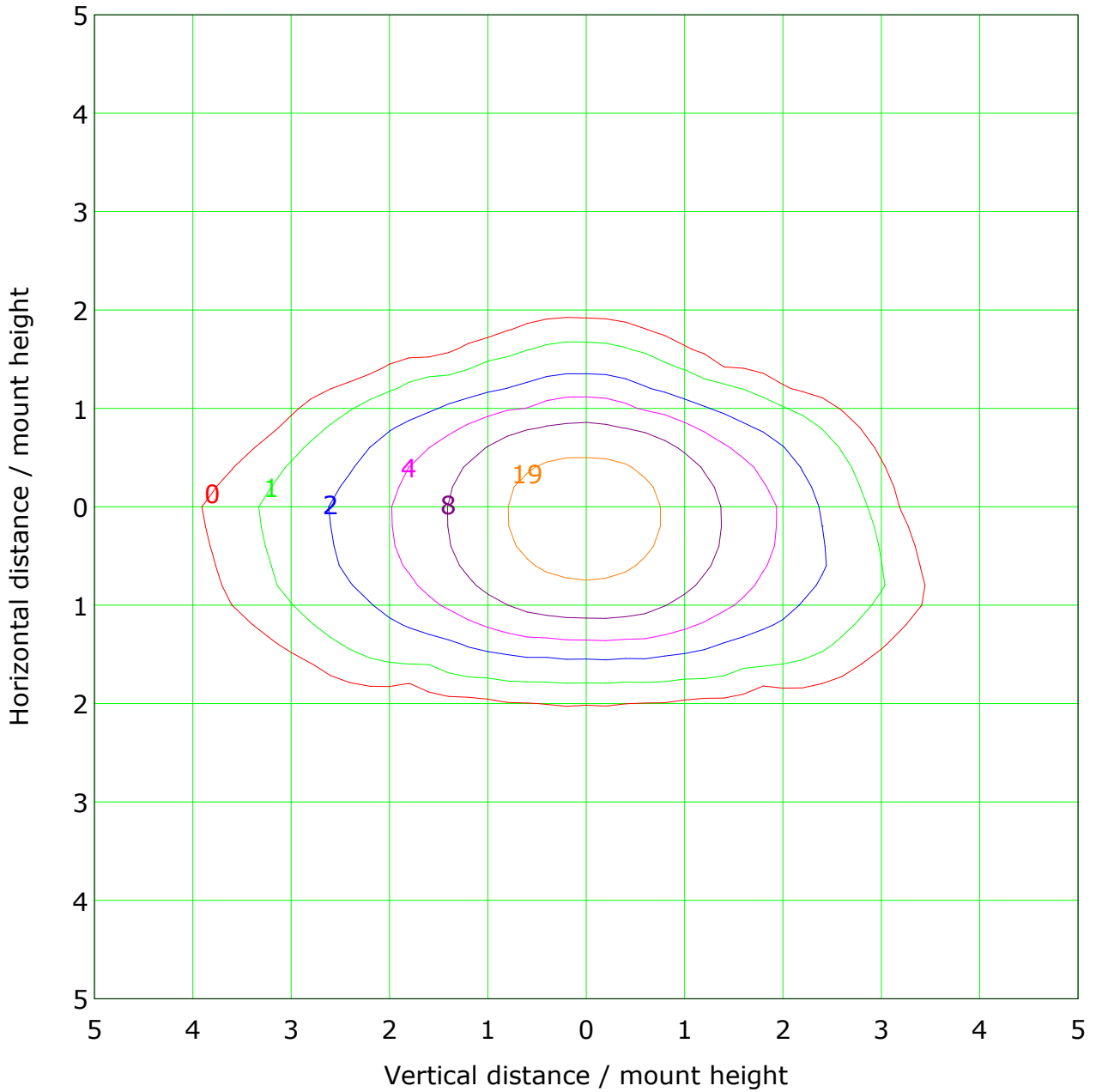
Imax (100%): 4309 cd

- |                   |                   |
|-------------------|-------------------|
| — ( 10%): 431 cd  | — ( 16%): 689 cd  |
| — ( 25%): 1077 cd | — ( 40%): 1723 cd |
| — ( 63%): 2714 cd | — (100%): 4309 cd |

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

IES: Cut-off  
Max.At80: 74.338 cd/klm  
Max.80-90: 74.338 cd/klm

## IsoLux Plot



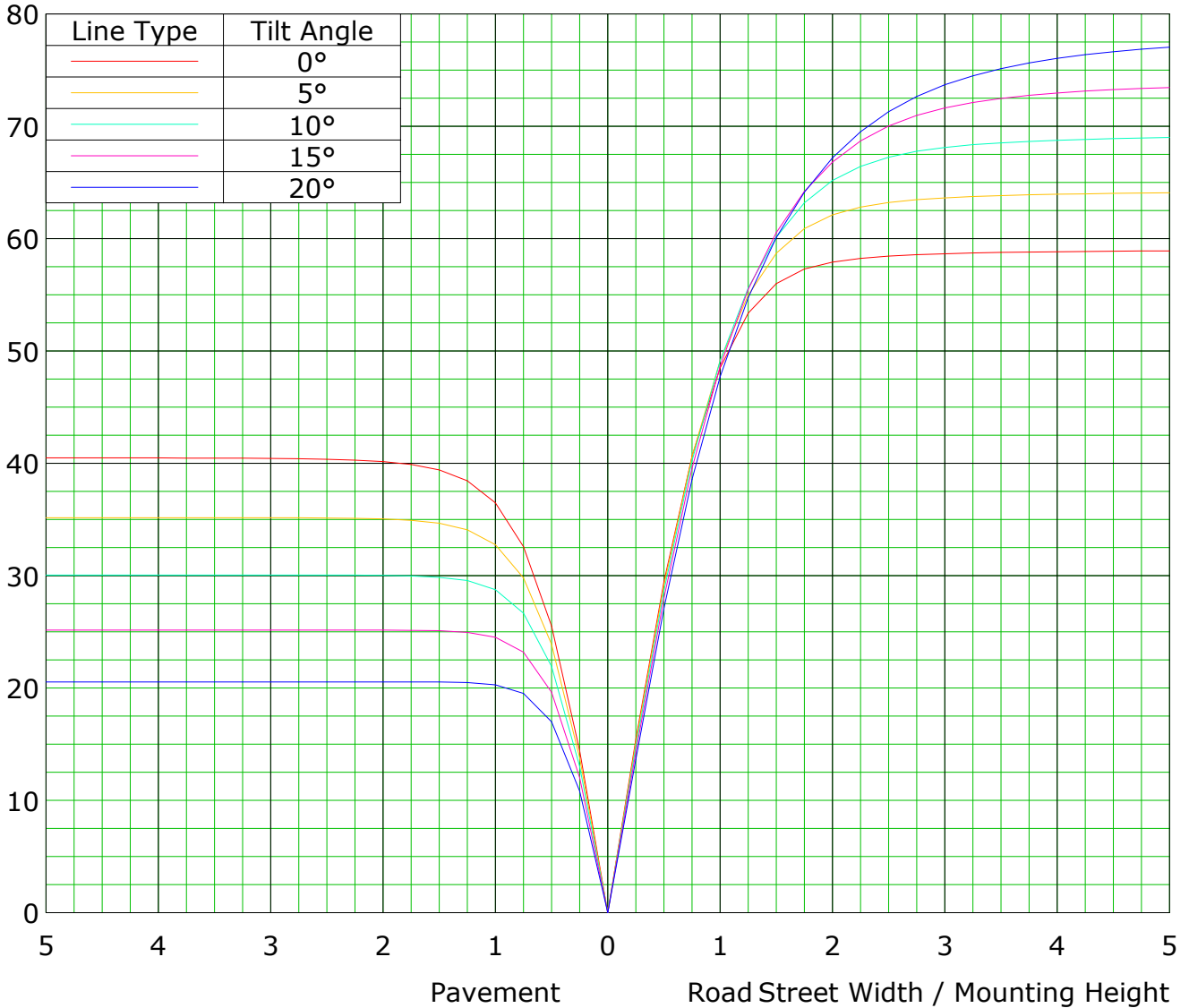
Mounting Height: 10.0m		Max Lux(100%): 38.1 lx	
<ul style="list-style-type: none"> <li><span style="color: red;">—</span> ( 1%): 0.4 lx</li> <li><span style="color: blue;">—</span> ( 5%): 1.9 lx</li> <li><span style="color: purple;">—</span> (20%): 7.6 lx</li> <li><span style="color: green;">—</span> (100%): 38.1 lx</li> </ul>	<ul style="list-style-type: none"> <li><span style="color: green;">—</span> ( 2%): 0.8 lx</li> <li><span style="color: magenta;">—</span> (10%): 3.8 lx</li> <li><span style="color: orange;">—</span> (50%): 19.1 lx</li> </ul>		

C Plane (°):0.0-360.0: 15.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature: 26.6 °C  
 Operator:

Gamma Plane (°):0.0-90.0:1.0  
 Test Device: GPM-3000  
 Distance: 16.528 m [K=1.0000]  
 Humidity:  
 Inspector:

## Roadway CU Curve

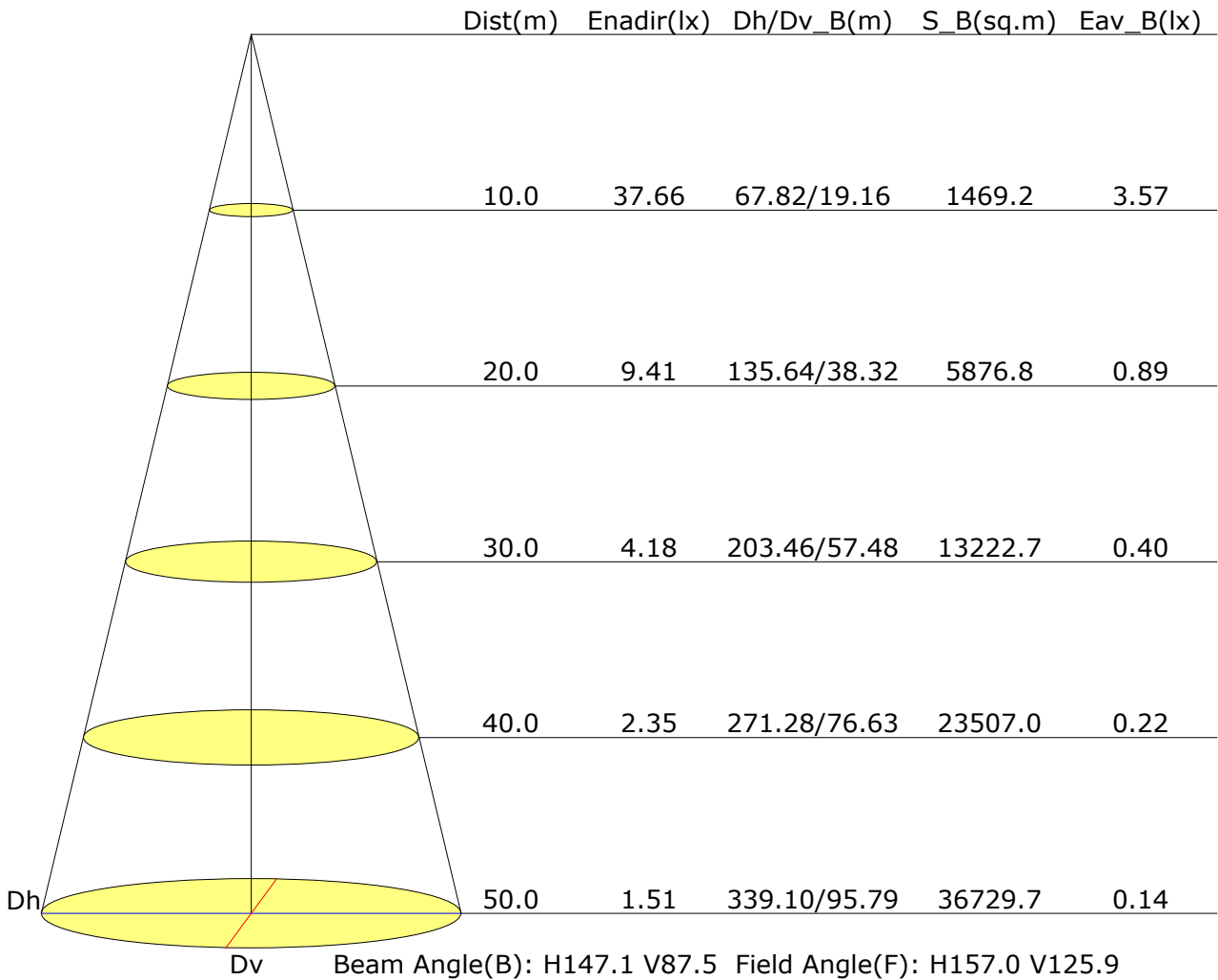
Efficiency(%)



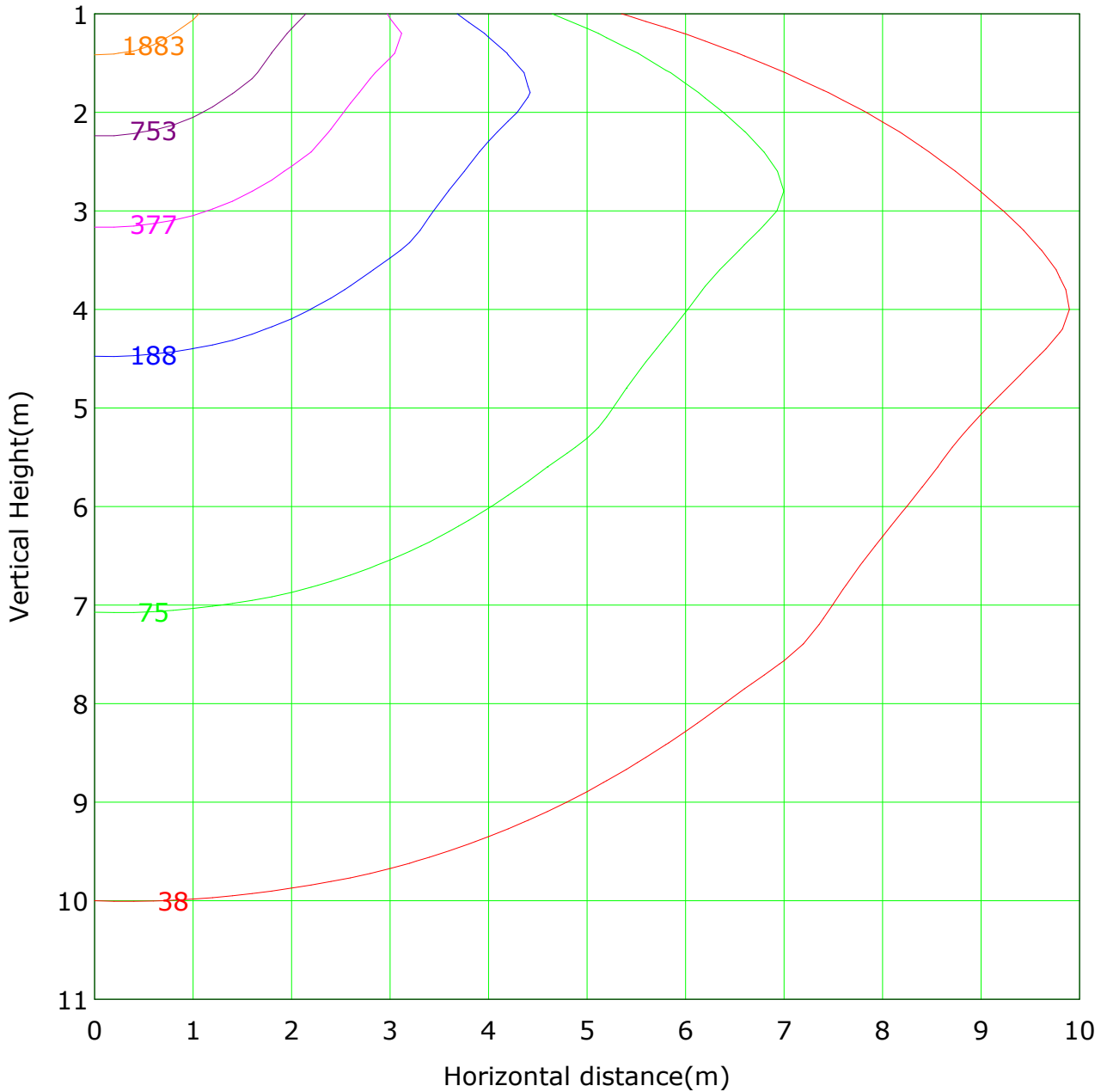
C Plane (°):0.0-360.0: 15.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 26.6 'C  
Operator:

Gamma Plane (°):0.0-90.0:1.0  
Test Device: GPM-3000  
Distance: 16.528 m [K=1.0000]  
Humidity:  
Inspector:

## Illuminance at a Distance



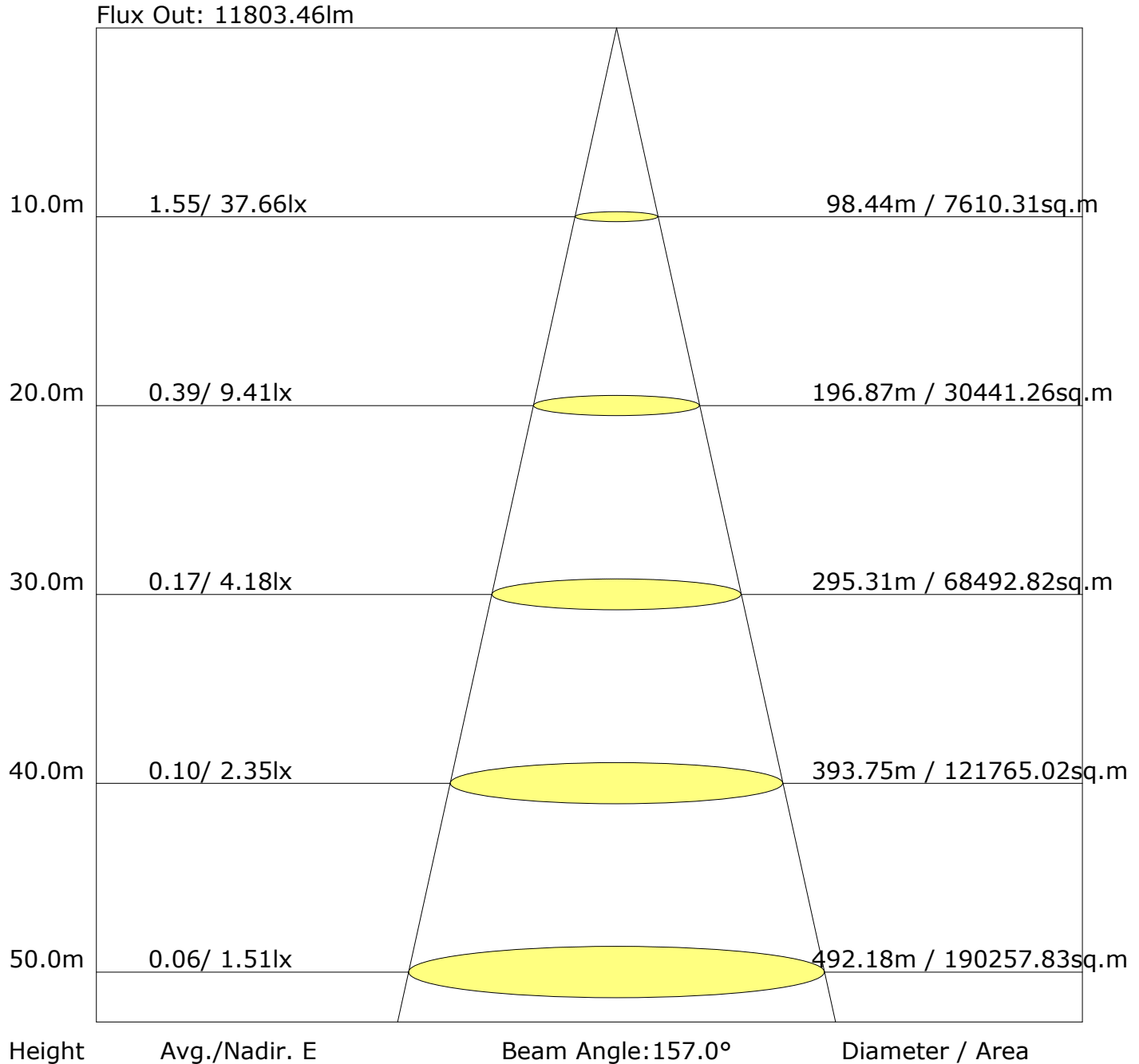
## Vertical IsoLux Plot



Lowest(m): 1.0m    Highest(m): 11.0m    Max Lux: 3765.8 lx  
 — ( 1%): 37.7 lx                      — ( 2%): 75.3 lx  
 — ( 5%): 188.3 lx                      — ( 10%): 376.6 lx  
 — ( 20%): 753.2 lx                      — ( 50%): 1882.9 lx  
 — (100%): 3765.8 lx



## The Average Illuminance Effective Figure

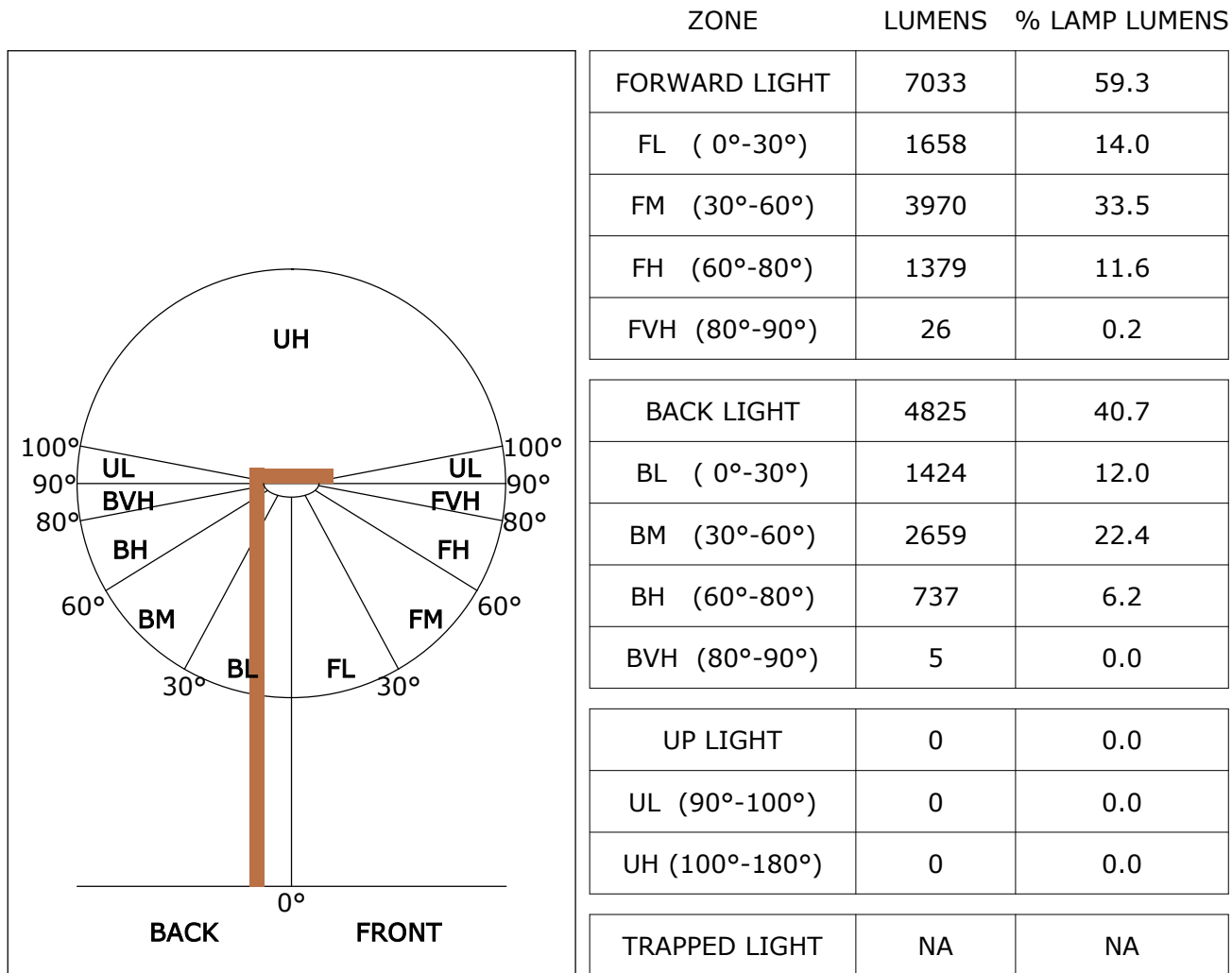


## UGR Table

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.\$
S=1.5H										-1.\$/-1.\$
S=2.0H										-1.\$/-1.\$

Calculate in accordance with CIE Pub.117. The table is revised with 11858lm ( $8\log(F/F_0) = 8.6$ ).

**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)	B3 U1 G2
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B3 U1 G1

C Plane (°):0.0-360.0: 15.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 26.6 °C  
Operator:

Gamma Plane (°):0.0-90.0:1.0  
Test Device: GPM-3000  
Distance: 16.528 m [K=1.0000]  
Humidity:  
Inspector:

