

Report No.:

Test Time: 2025/5/5 星期一 15:54

Luminaire Property

Luminaire Manufacturer:
Luminaire Category:
Lamp Catalog:
Number of Lamps:
Luminous Length (mm):
Luminous Height (mm):
Current: 0.4091 A
Power Factor: 0.9852

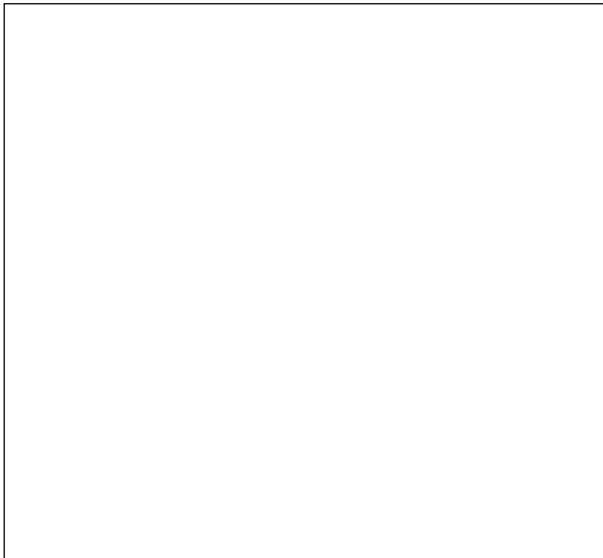
Luminaire Description: PSL004A-90W-5
Lamp Description:
Lumens per Lamp:
Luminous Width (mm):
Voltage: 220.32 V
Power: 88.81 W

Photometric Results

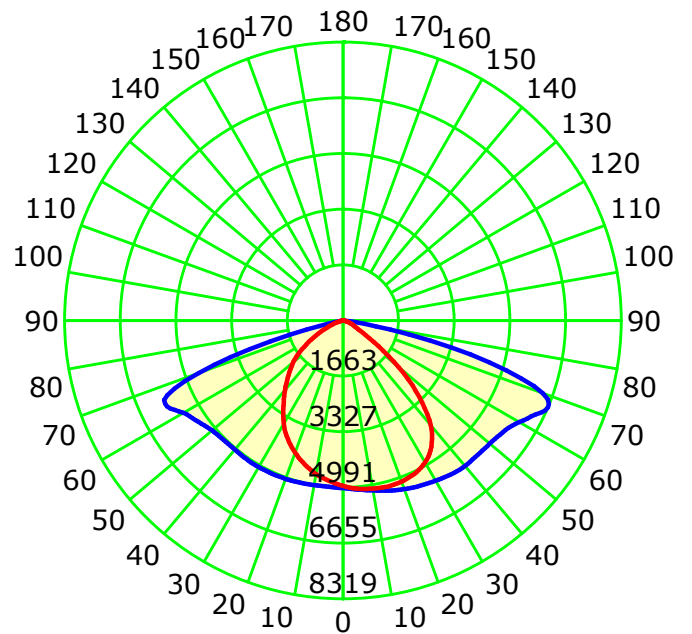
IES Classification: Type II
Total Rated Lamp Lumens: 16245.7 lm
Efficiency: 100%
Upward Ratio: 0%
C0r0 Intensity: 5009.45 cd
Pos of Max. Intensity: H0 V67
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 148.3, 89.9, 109.9, 113.7

Longitudinal Classification: Medium
Measurement Flux: 16245.7 lm
Downward Ratio: 100%
Luminous Efficacy (lm/w): 182.93
Max. Intensity: 6655.67 cd

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

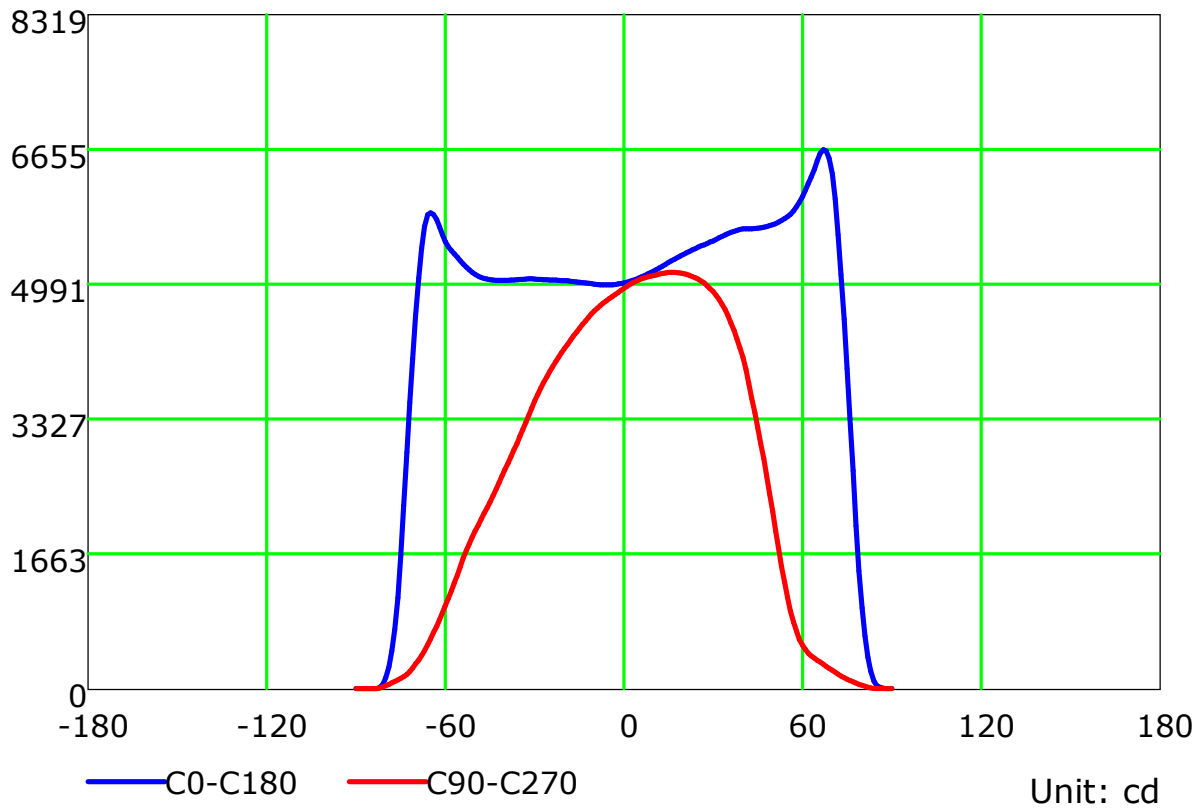
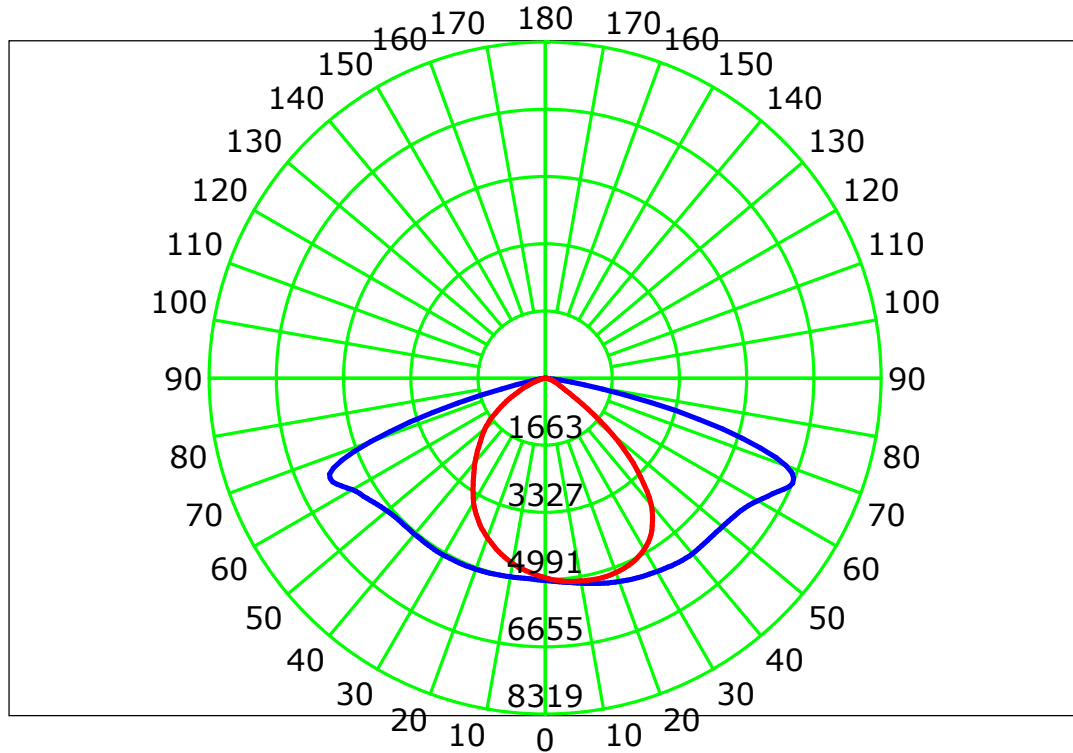
Average Diffuse Angle(50%): 119.1°

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 15.0
Test Lab:
Test Type: TYPE C
Temperature: 24.6 °C
Operator:

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

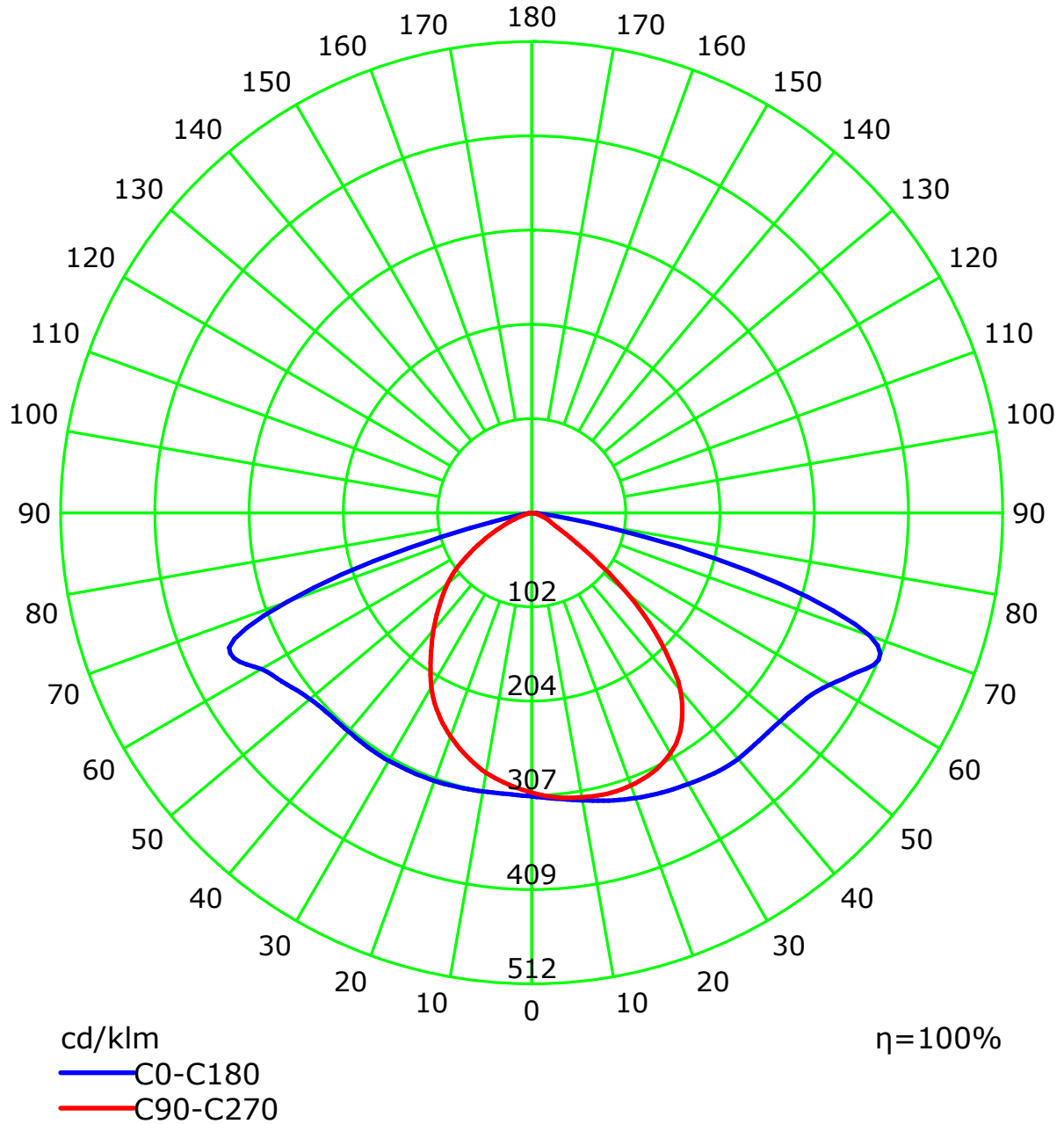
Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 15.0
Test Lab:
Test Type: TYPE C
Temperature: 24.6 °C
Operator:

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

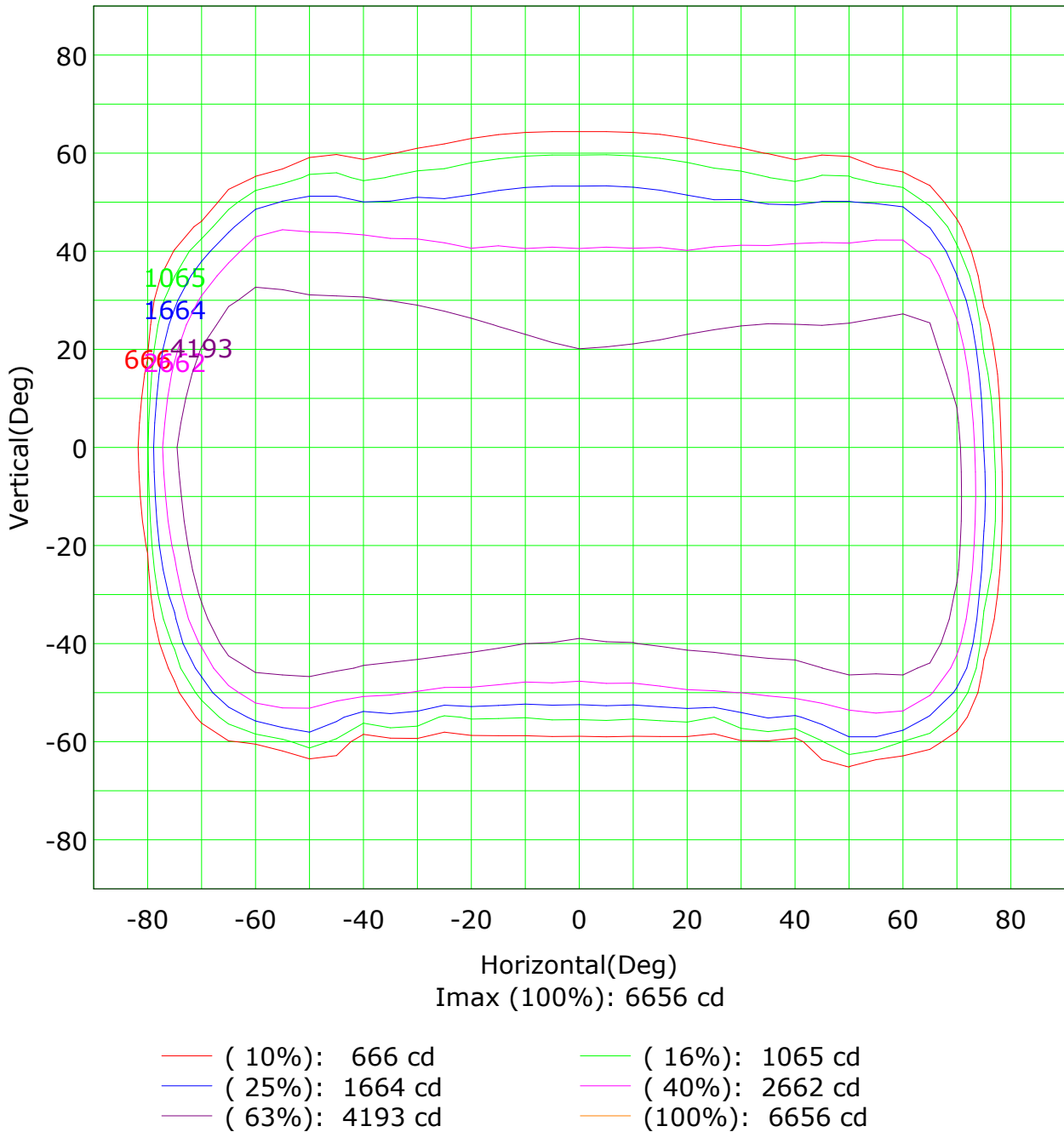
Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 15.0
Test Lab:
Test Type: TYPE C
Temperature: 24.6 'C
Operator:

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

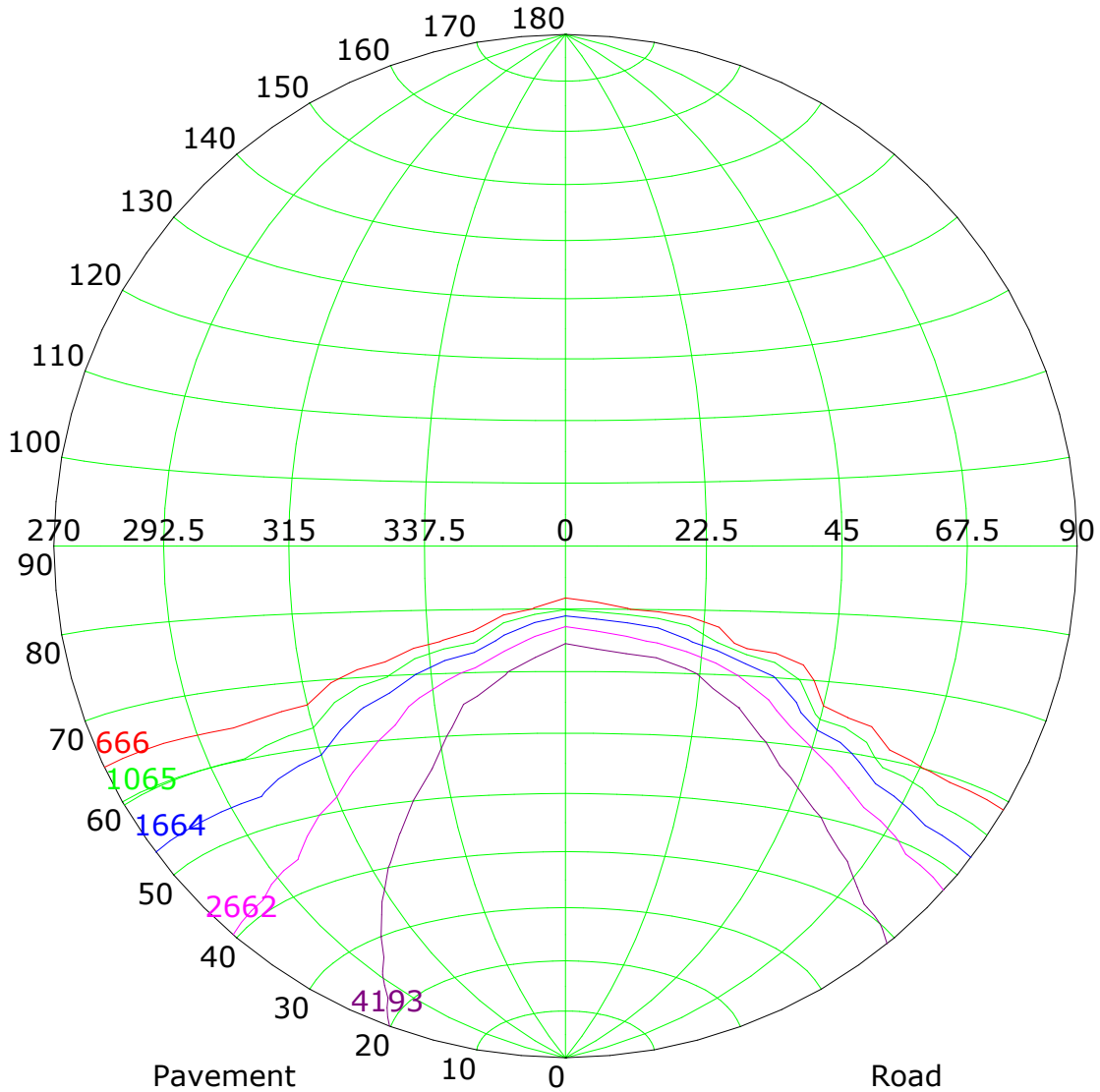
Isocandela (rectangle)



C Plane (°):0.0-360.0: 15.0
Test Lab:
Test Type: TYPE C
Temperature: 24.6 '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)



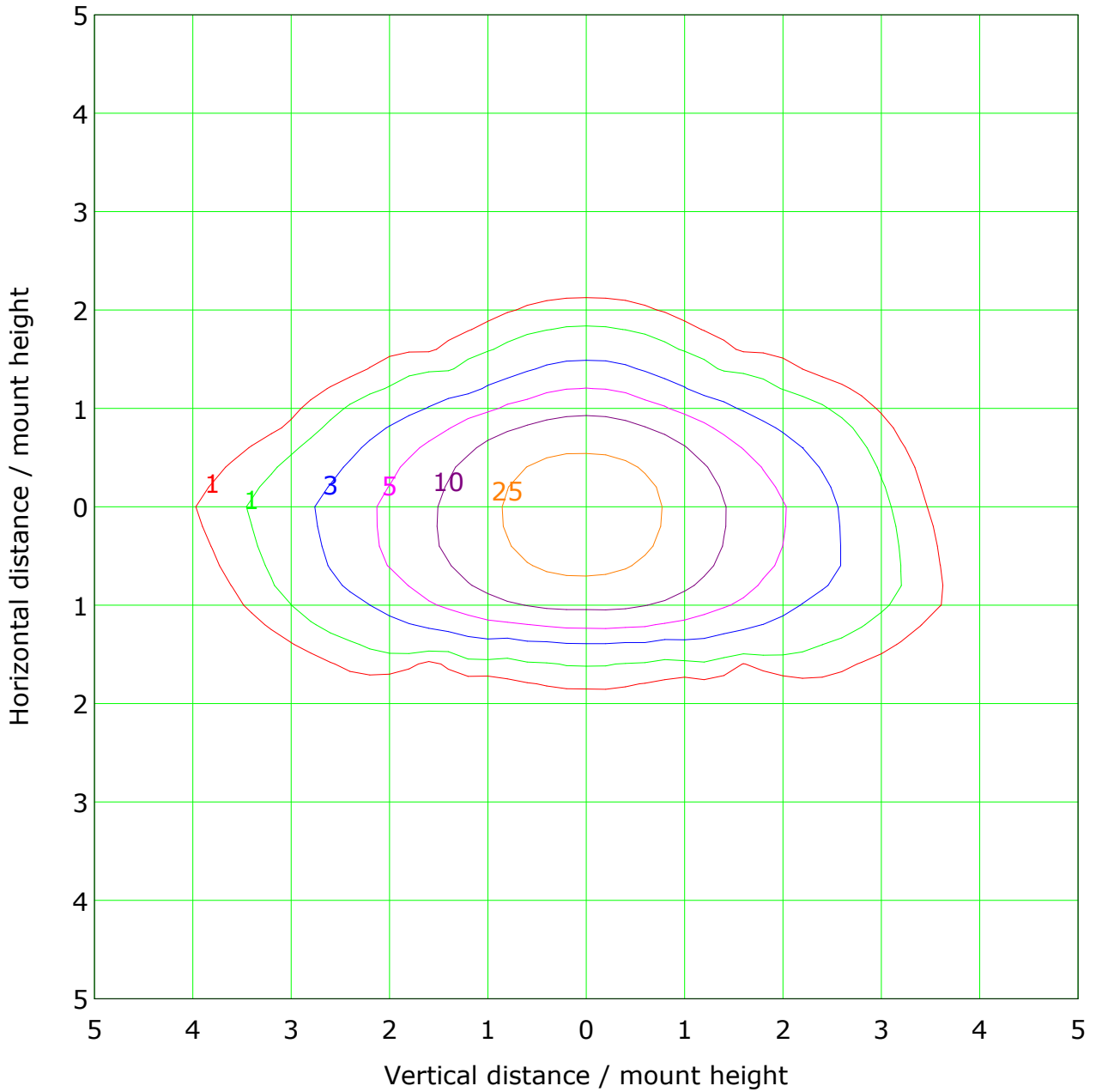
Imax (100%): 6656 cd

- | | |
|-------------------|-------------------|
| — (10%): 666 cd | — (16%): 1065 cd |
| — (25%): 1664 cd | — (40%): 2662 cd |
| — (63%): 4193 cd | — (100%): 6656 cd |

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

IES: Cut-off
Max.At80: 61.395 cd/klm
Max.80-90: 61.395 cd/klm

IsoLux Plot



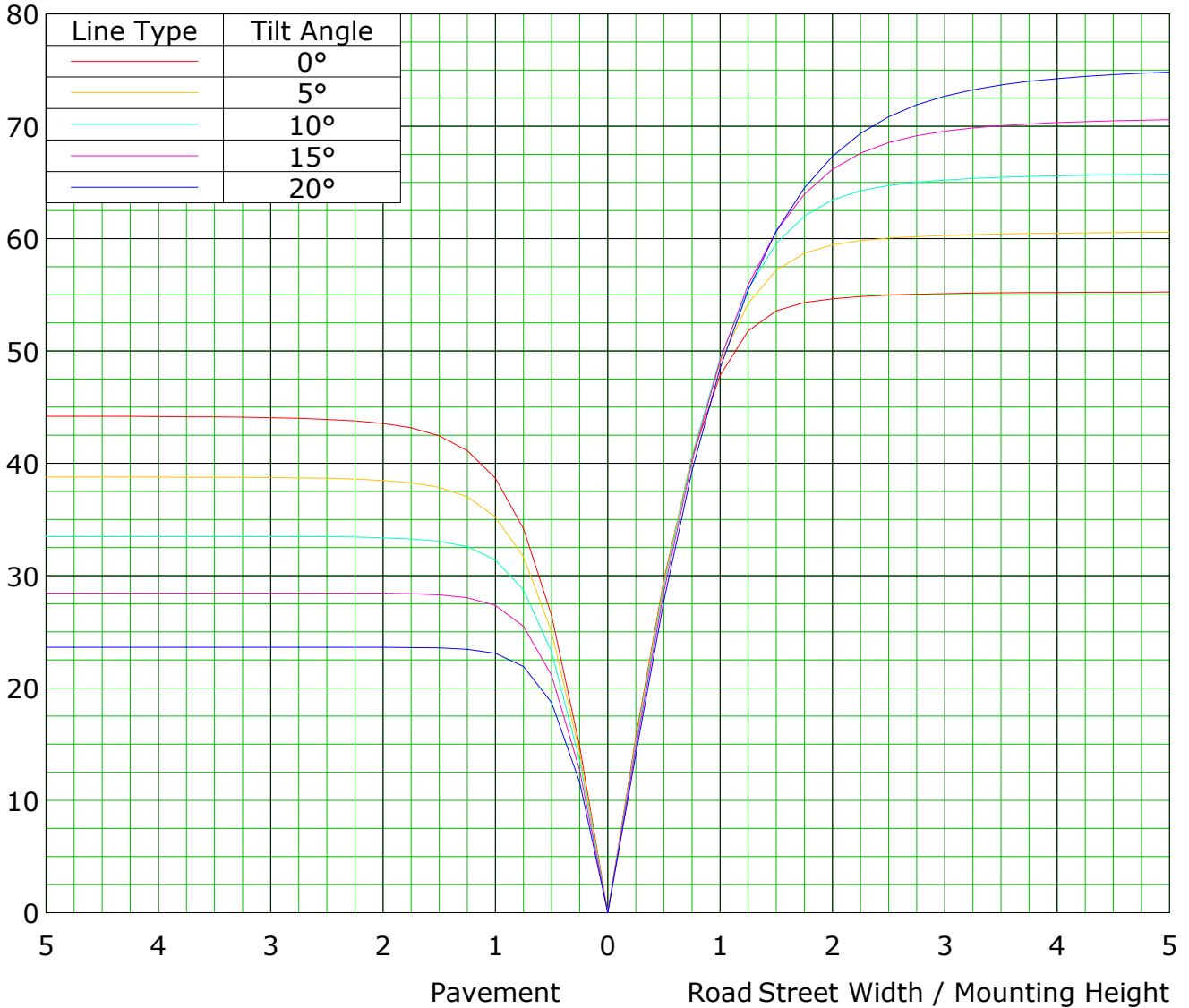
Mounting Height: 10.0m		Max Lux(100%): 50.3 lx	
<ul style="list-style-type: none"> — (1%): 0.5 lx — (5%): 2.5 lx — (20%): 10.1 lx — (100%): 50.3 lx 	<ul style="list-style-type: none"> — (2%): 1.0 lx — (10%): 5.0 lx — (50%): 25.1 lx 		

C Plane (°):0.0-360.0: 15.0
 Test Lab:
 Test Type: TYPE C
 Temperature: 24.6 °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

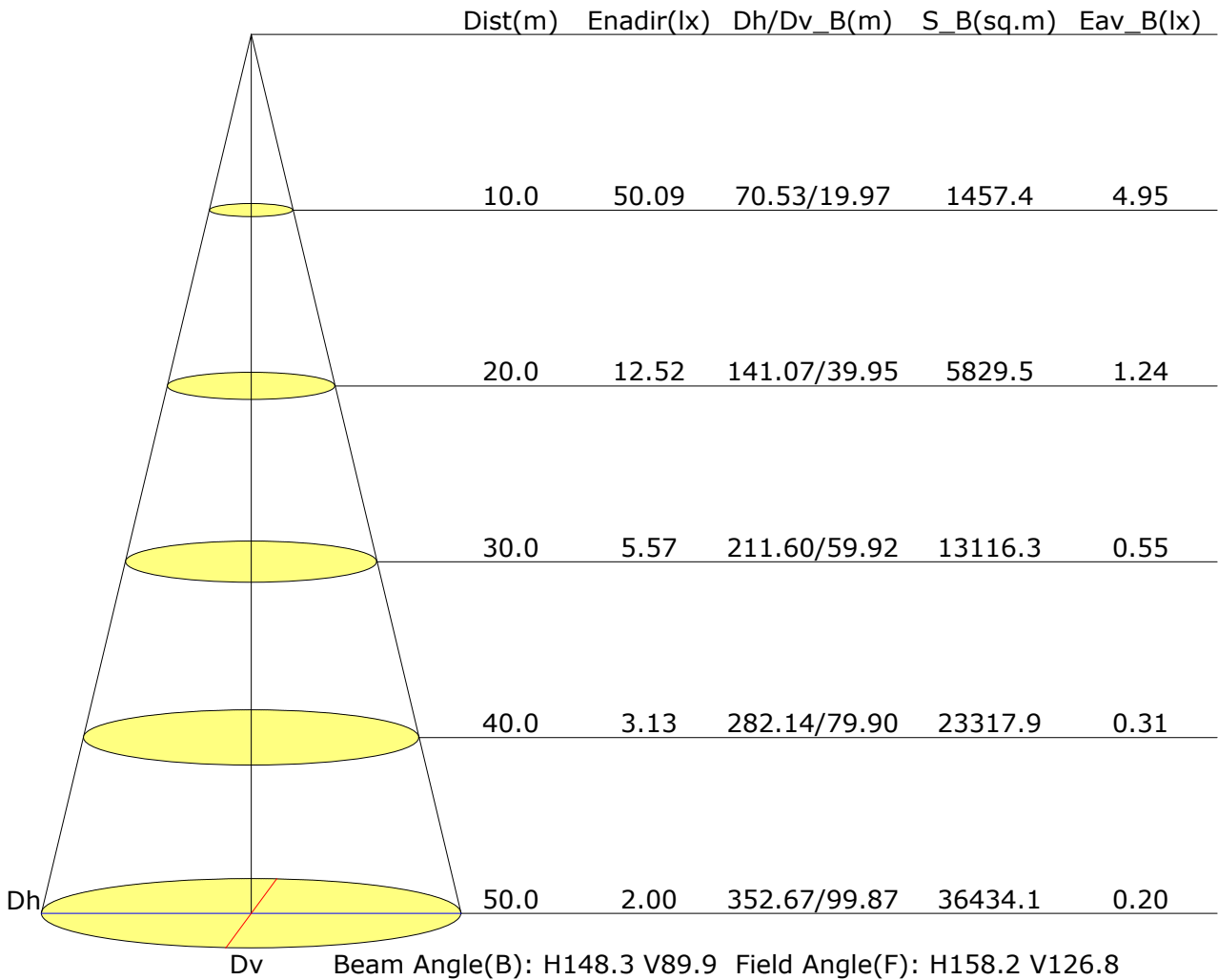
Efficiency(%)



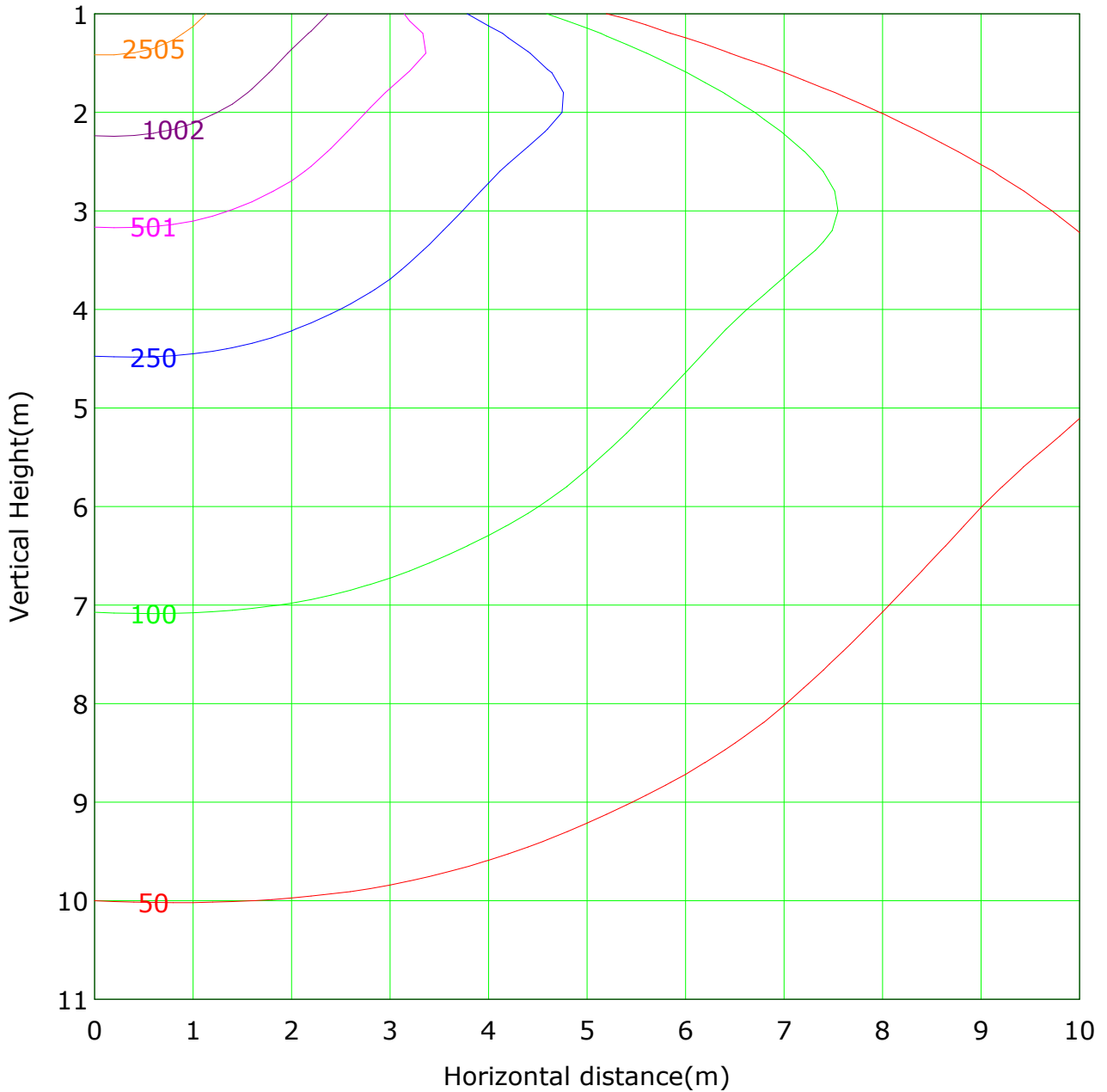
C Plane (°):0.0-360.0: 15.0
Test Lab:
Test Type: TYPE C
Temperature: 24.6 'C
Operator:

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



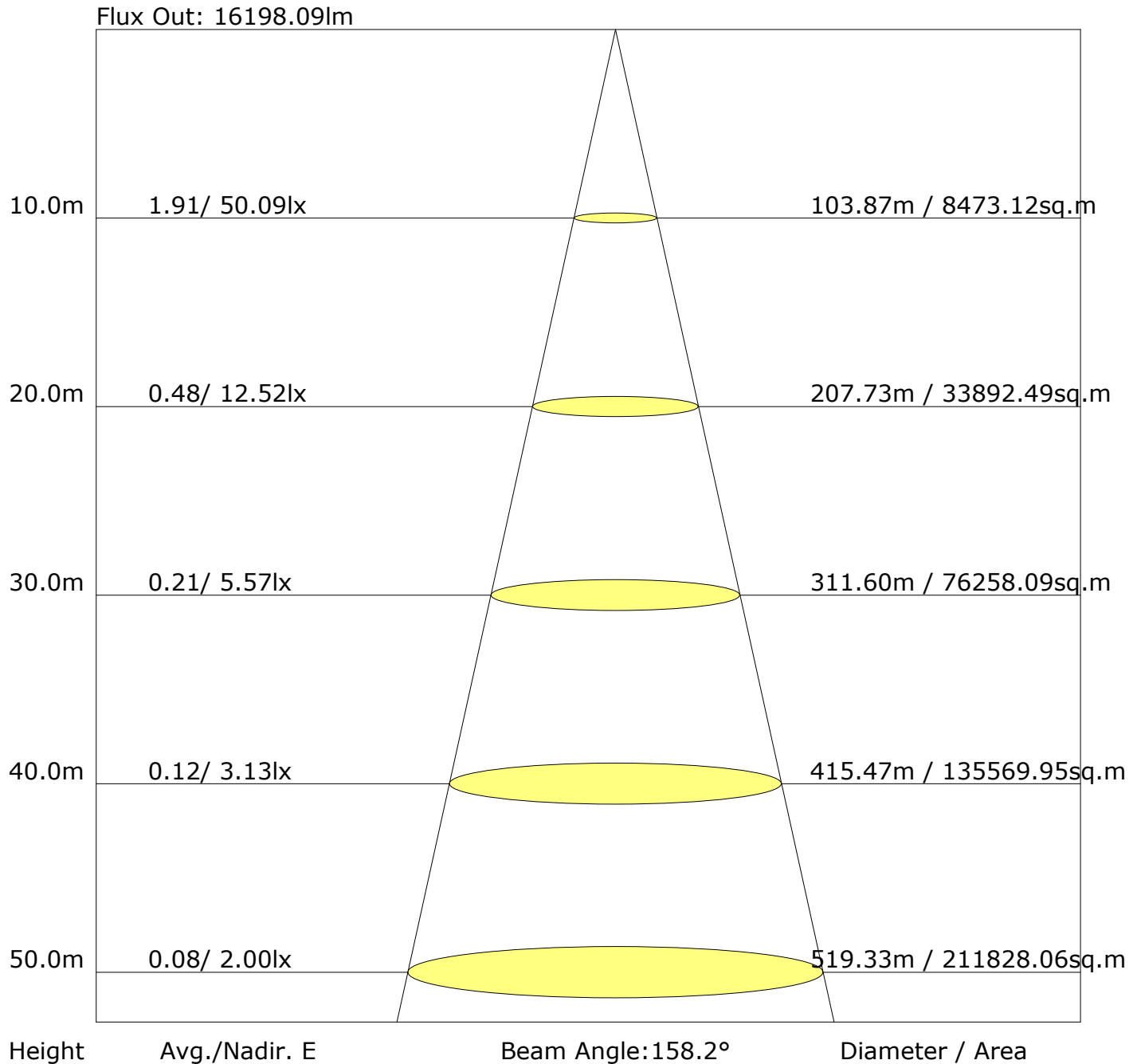
Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 5009.5 lx

— (1%): 50.1 lx	— (2%): 100.2 lx
— (5%): 250.5 lx	— (10%): 500.9 lx
— (20%):1001.9 lx	— (50%):2504.7 lx
— (100%):5009.5 lx	

The Average Illuminance Effective Figure

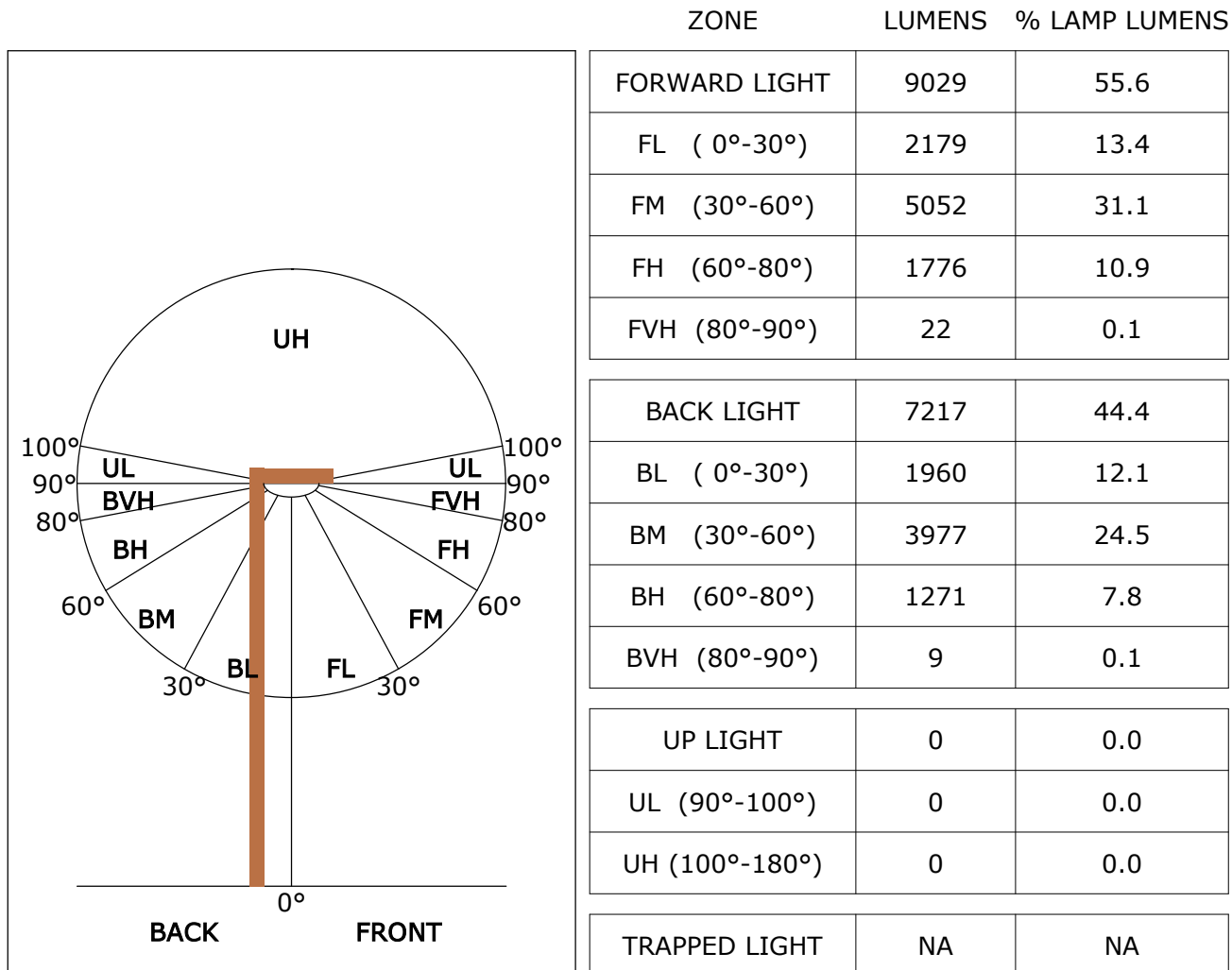


UGR Table

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 16246lm ($8\log(F/F_0) = 9.7$).

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 G3
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B3 U1 G1

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