

Report No.:

Test Time: 2025/5/5 星期一 13:34

Luminaire Property

Luminaire Manufacturer:
Luminaire Category:
Lamp Catalog:
Number of Lamps:
Luminous Length (mm):
Luminous Height (mm):
Current: 0.4488 A
Power Factor: 0.9878

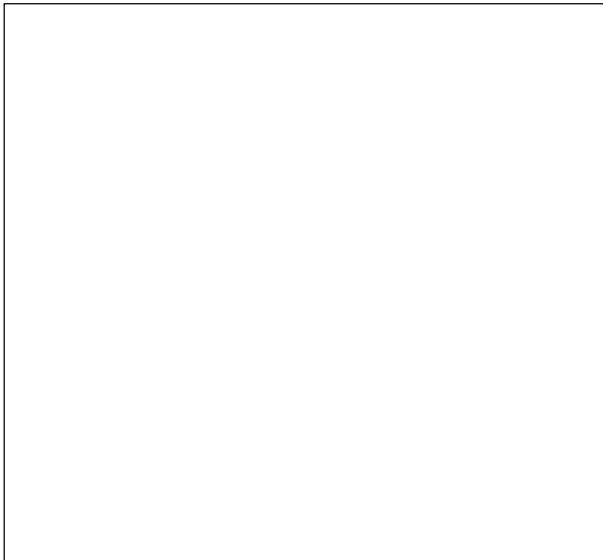
Luminaire Description: PSL004A-100W-1
Lamp Description:
Lumens per Lamp:
Luminous Width (mm):
Voltage: 220.46 V
Power: 97.74 W

Photometric Results

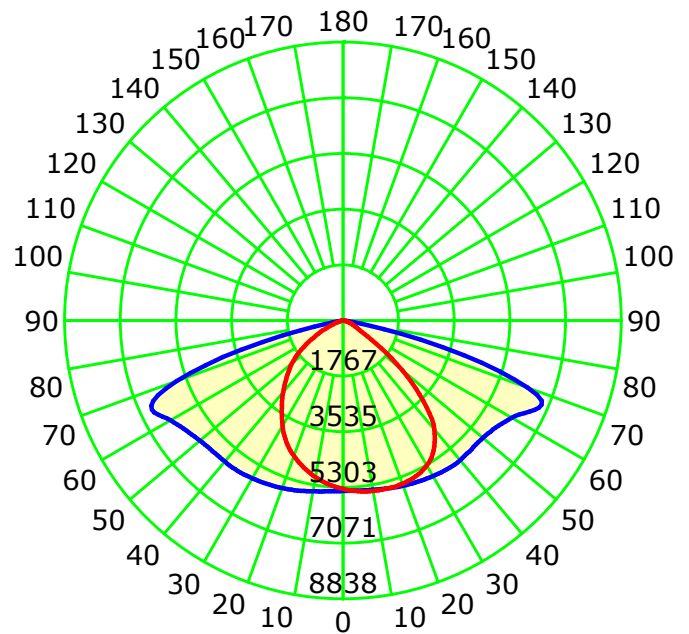
IES Classification: Type II
Total Rated Lamp Lumens: 17665.6 lm
Efficiency: 100%
Upward Ratio: 0%
C0r0 Intensity: 5414.38 cd
Pos of Max. Intensity: H165 V68
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 148.7, 91.1, 111.5, 112.8

Longitudinal Classification: Medium
Measurement Flux: 17665.6 lm
Downward Ratio: 100%
Luminous Efficacy (lm/w): 180.74
Max. Intensity: 7071.17 cd

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

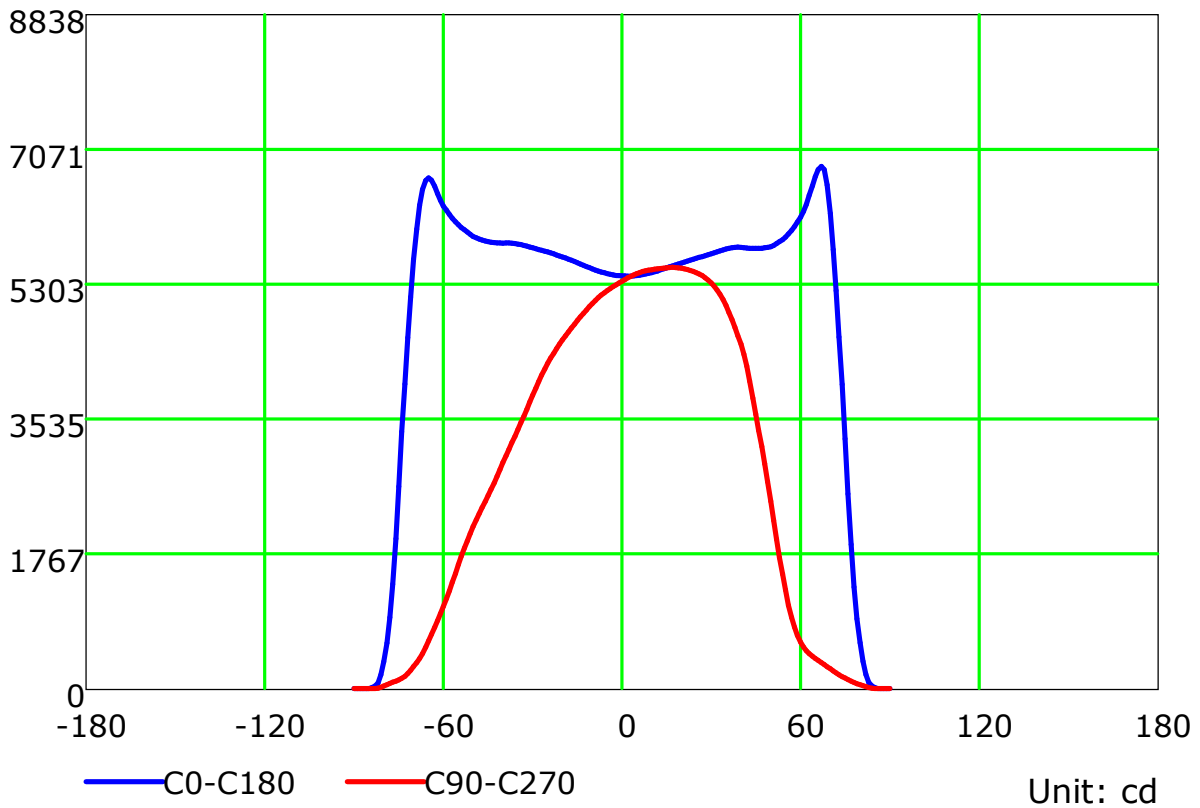
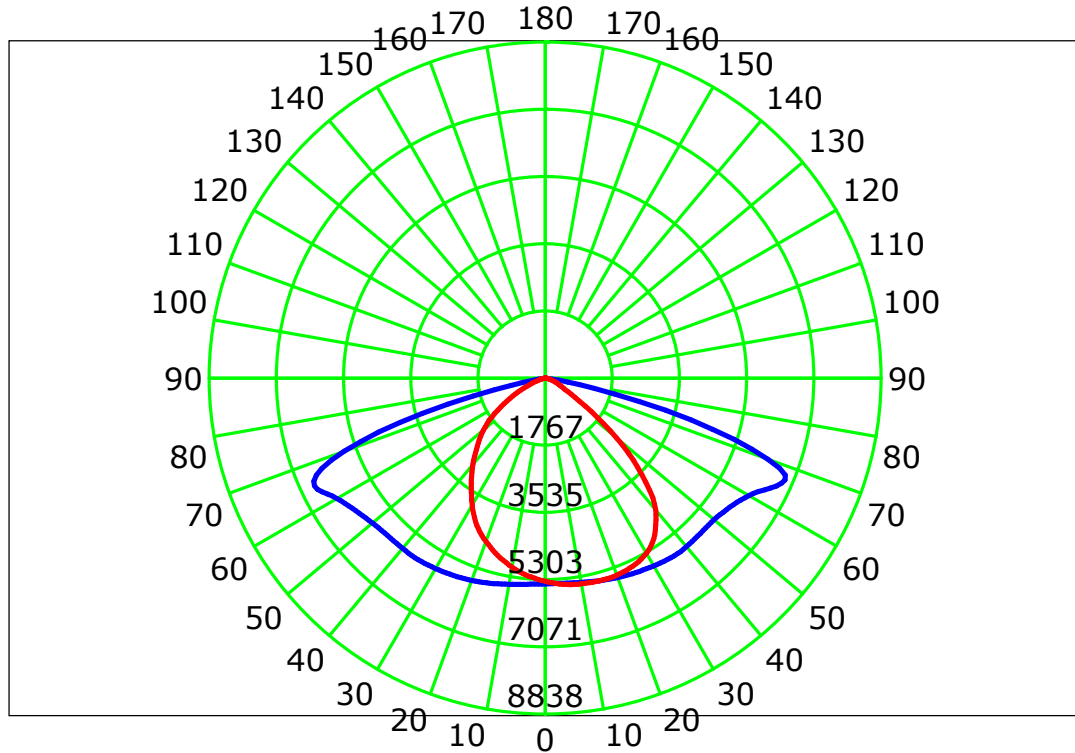
Average Diffuse Angle(50%): 119.9°

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 15.0
Test Lab:
Test Type: TYPE C
Temperature: 24.5 °C
Operator:

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

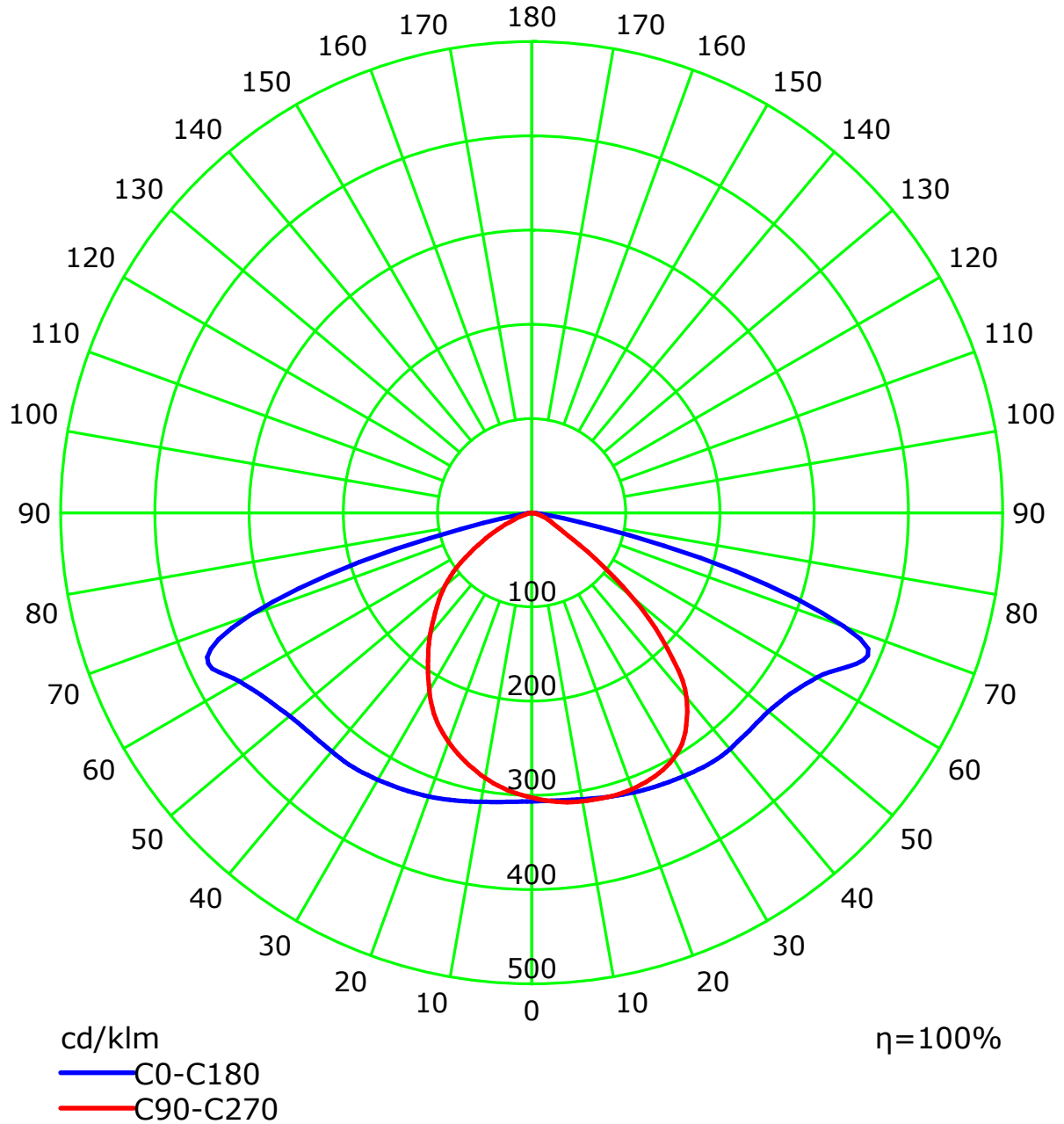
Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 15.0
Test Lab:
Test Type: TYPE C
Temperature: 24.5 °C
Operator:

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

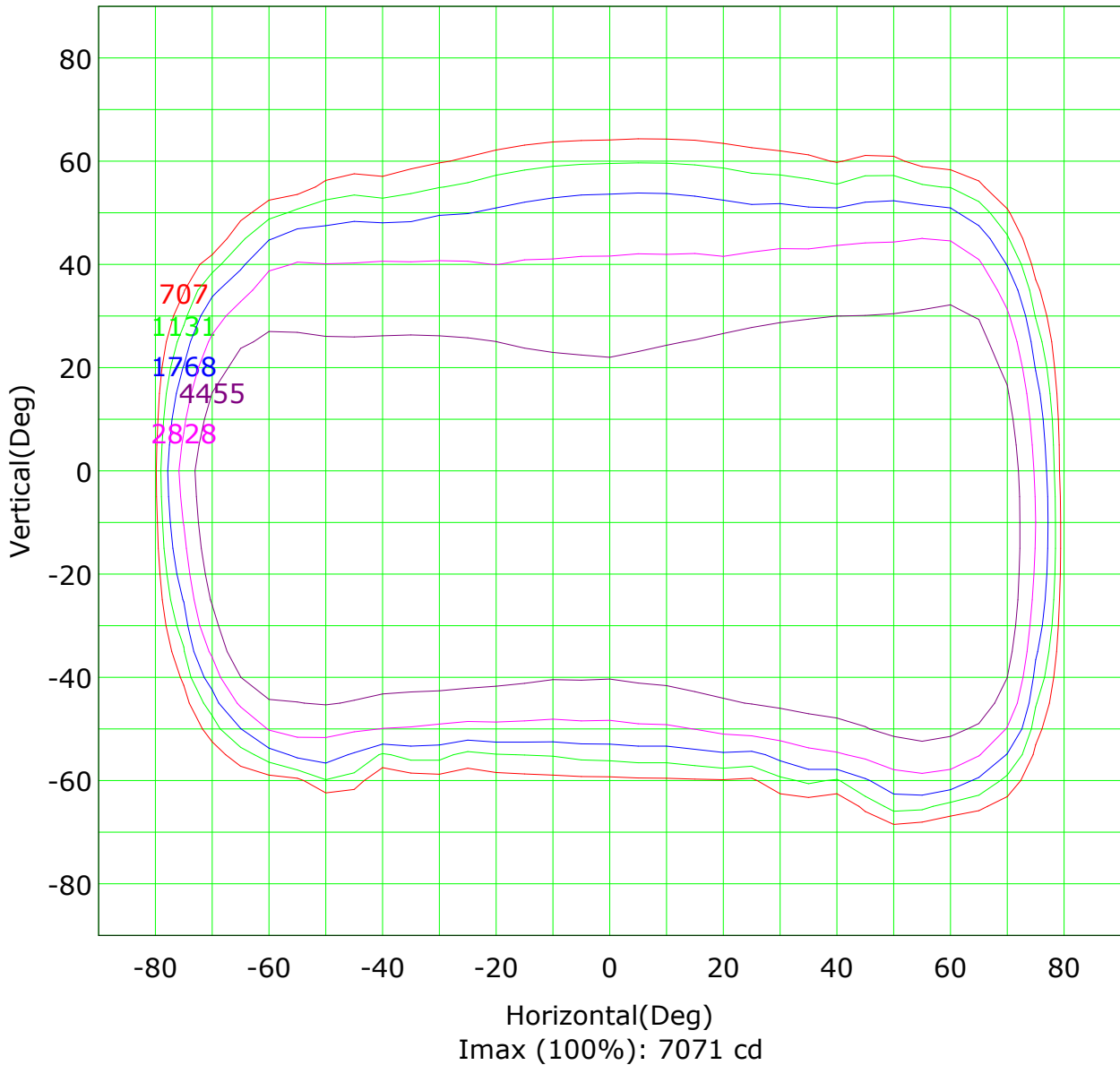
Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 15.0
Test Lab:
Test Type: TYPE C
Temperature: 24.5 'C
Operator:

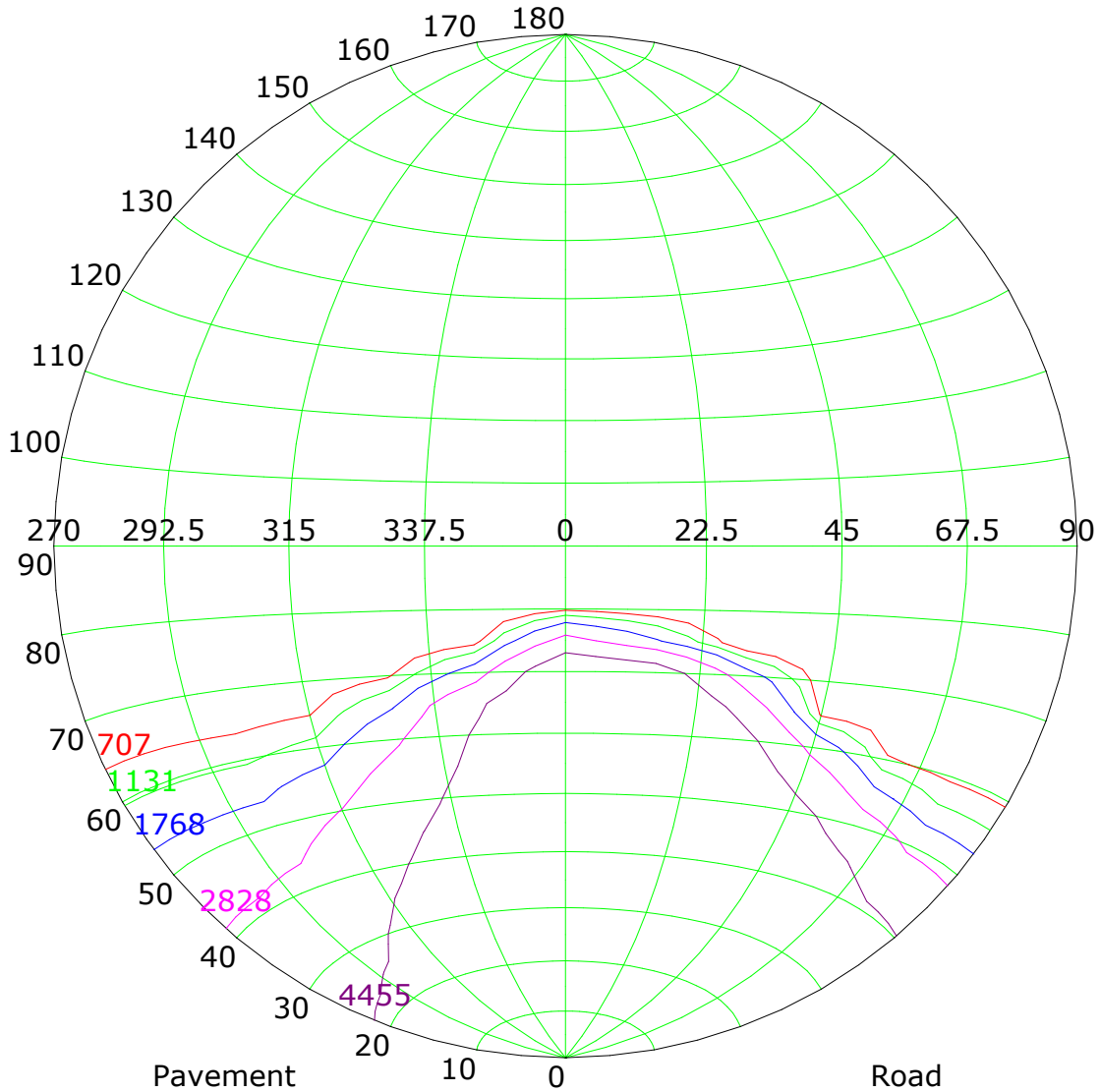
Gamma Plane (°):0.0-90.0:1.0
Test Device: GPM-3000
Distance: 16.528 m [K=1.0000]
Humidity:
Inspector:

Isocandela (rectangle)



- | | |
|-------------------|-------------------|
| — (10%): 707 cd | — (16%): 1131 cd |
| — (25%): 1768 cd | — (40%): 2828 cd |
| — (63%): 4455 cd | — (100%): 7071 cd |

Isocandela (sphere)



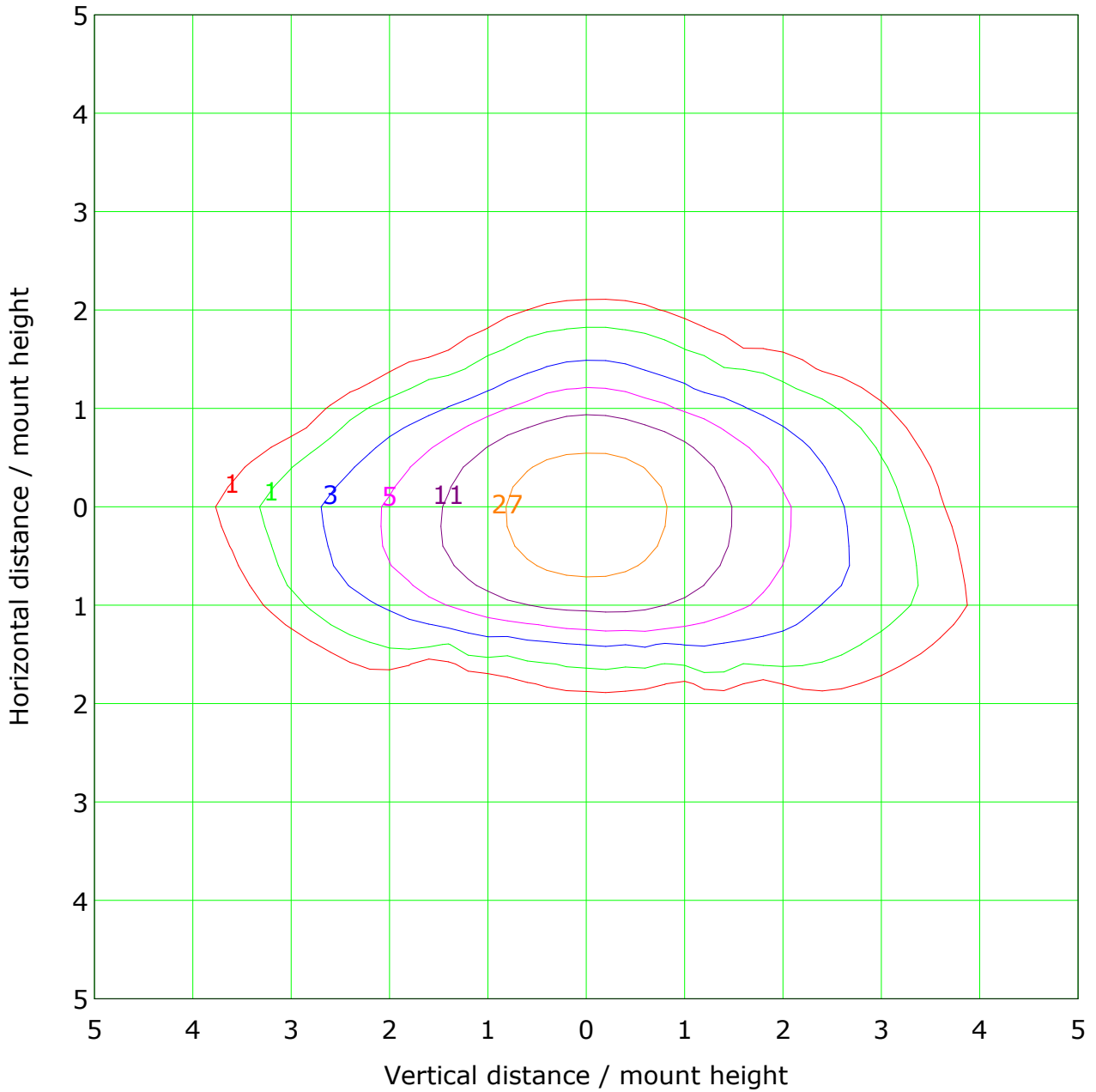
Imax (100%): 7071 cd

- | | |
|-------------------|-------------------|
| — (10%): 707 cd | — (16%): 1131 cd |
| — (25%): 1768 cd | — (40%): 2828 cd |
| — (63%): 4455 cd | — (100%): 7071 cd |

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

IES: Cut-off
Max.At80: 66.733 cd/klm
Max.80-90: 66.733 cd/klm

IsoLux Plot



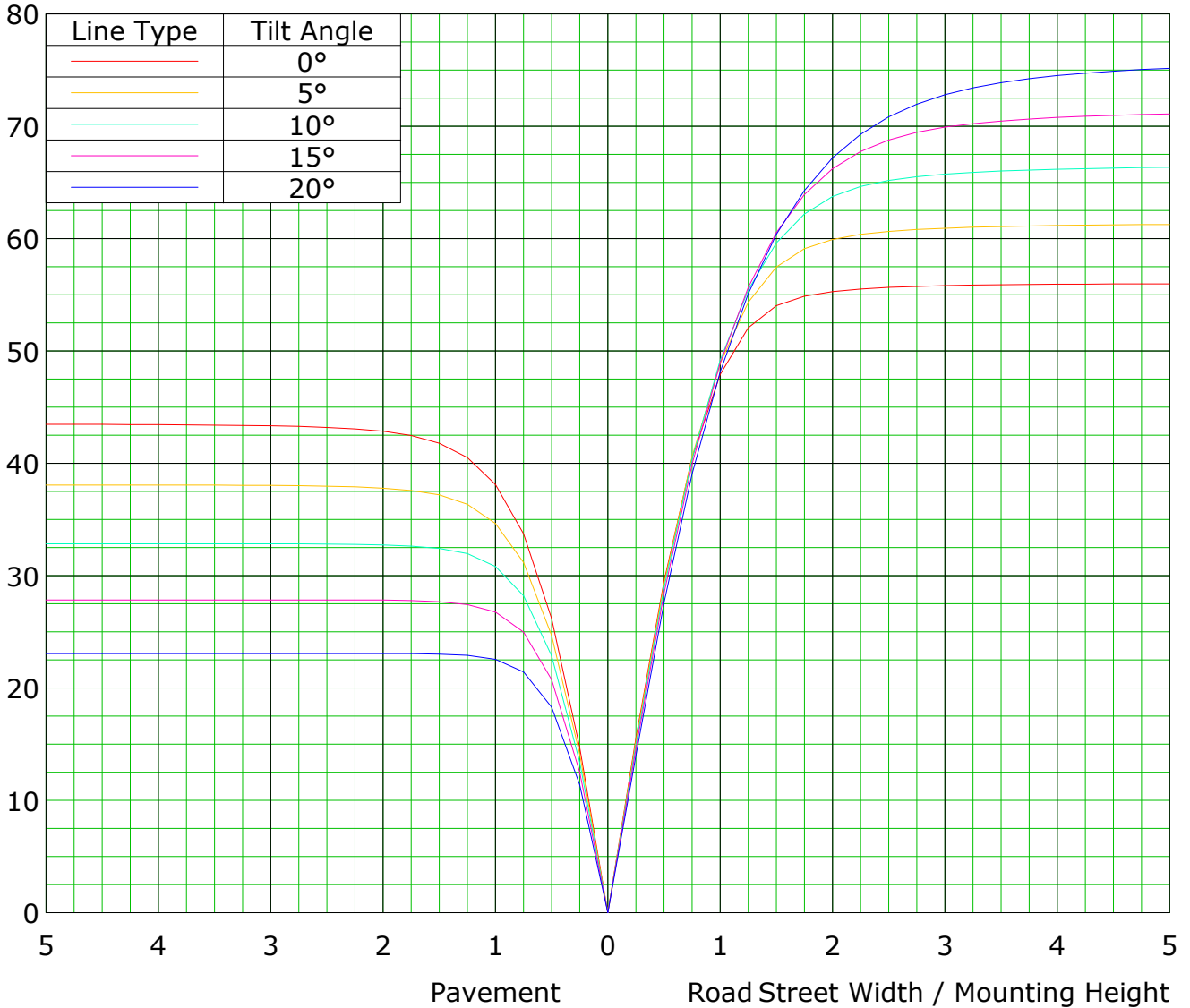
Mounting Height: 10.0m		Max Lux(100%): 54.2 lx	
<ul style="list-style-type: none"> — (1%): 0.5 lx — (5%): 2.7 lx — (20%): 10.8 lx — (100%): 54.2 lx 	<ul style="list-style-type: none"> — (2%): 1.1 lx — (10%): 5.4 lx — (50%): 27.1 lx 		

C Plane (°):0.0-360.0: 15.0
 Test Lab:
 Test Type: TYPE C
 Temperature: 24.5 °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

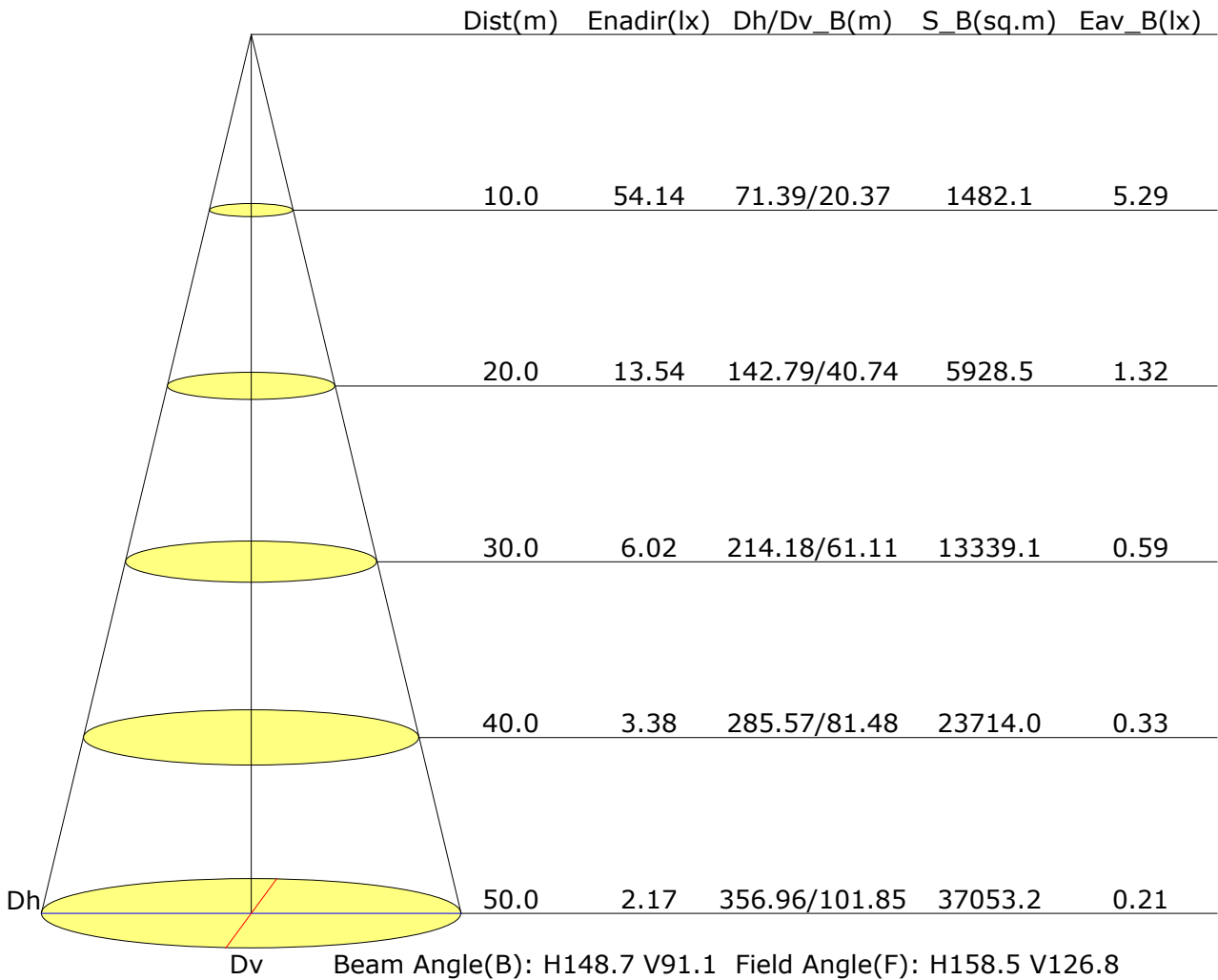
Efficiency(%)



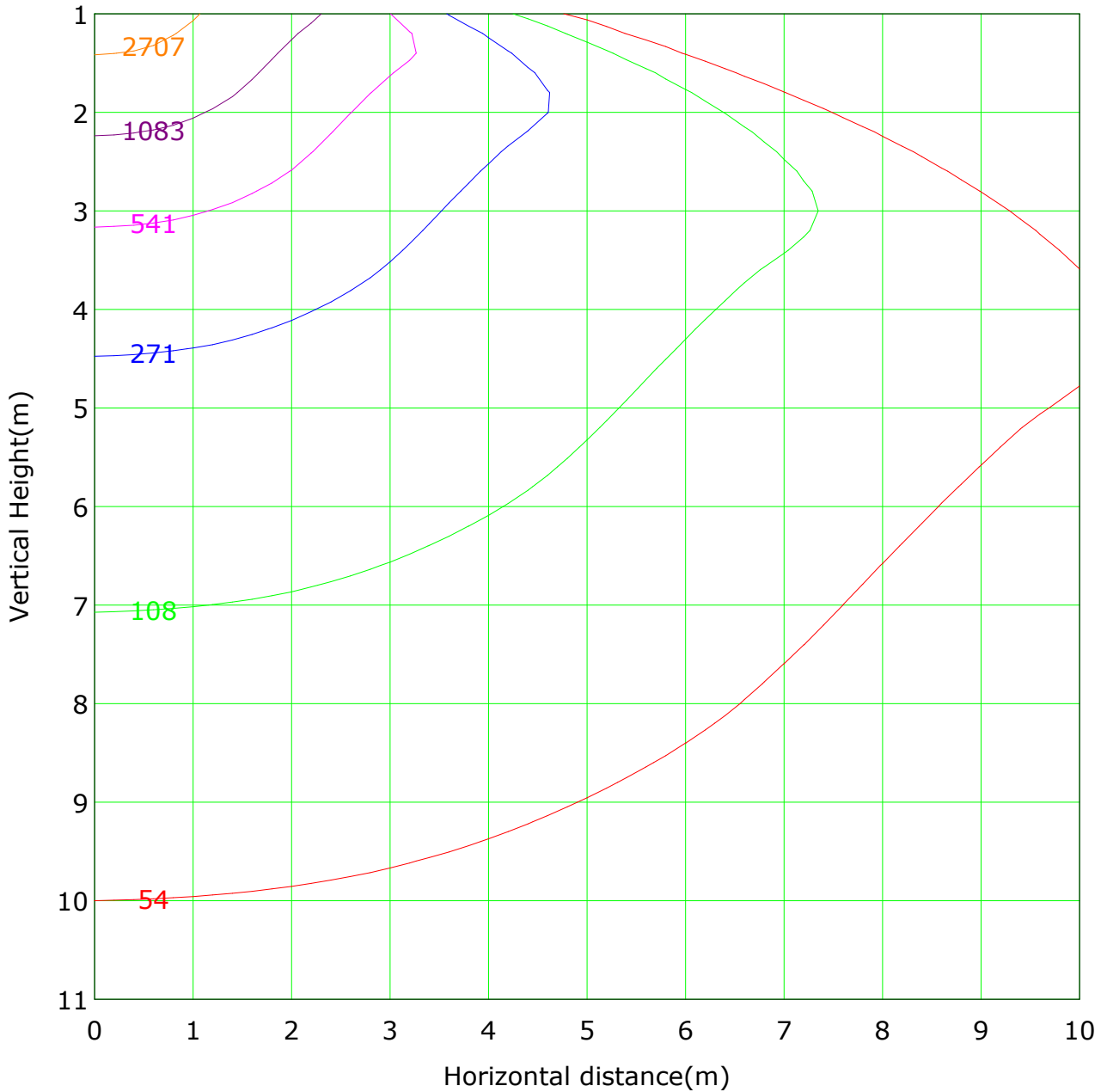
C Plane (°):0.0-360.0: 15.0
Test Lab:
Test Type: TYPE C
Temperature: 24.5 'C
Operator:

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: 5414.4 lx

— (1%): 54.1 lx	— (2%): 108.3 lx
— (5%): 270.7 lx	— (10%): 541.4 lx
— (20%): 1082.9 lx	— (50%): 2707.2 lx
— (100%): 5414.4 lx	

Area Flux Table

Unit: lm

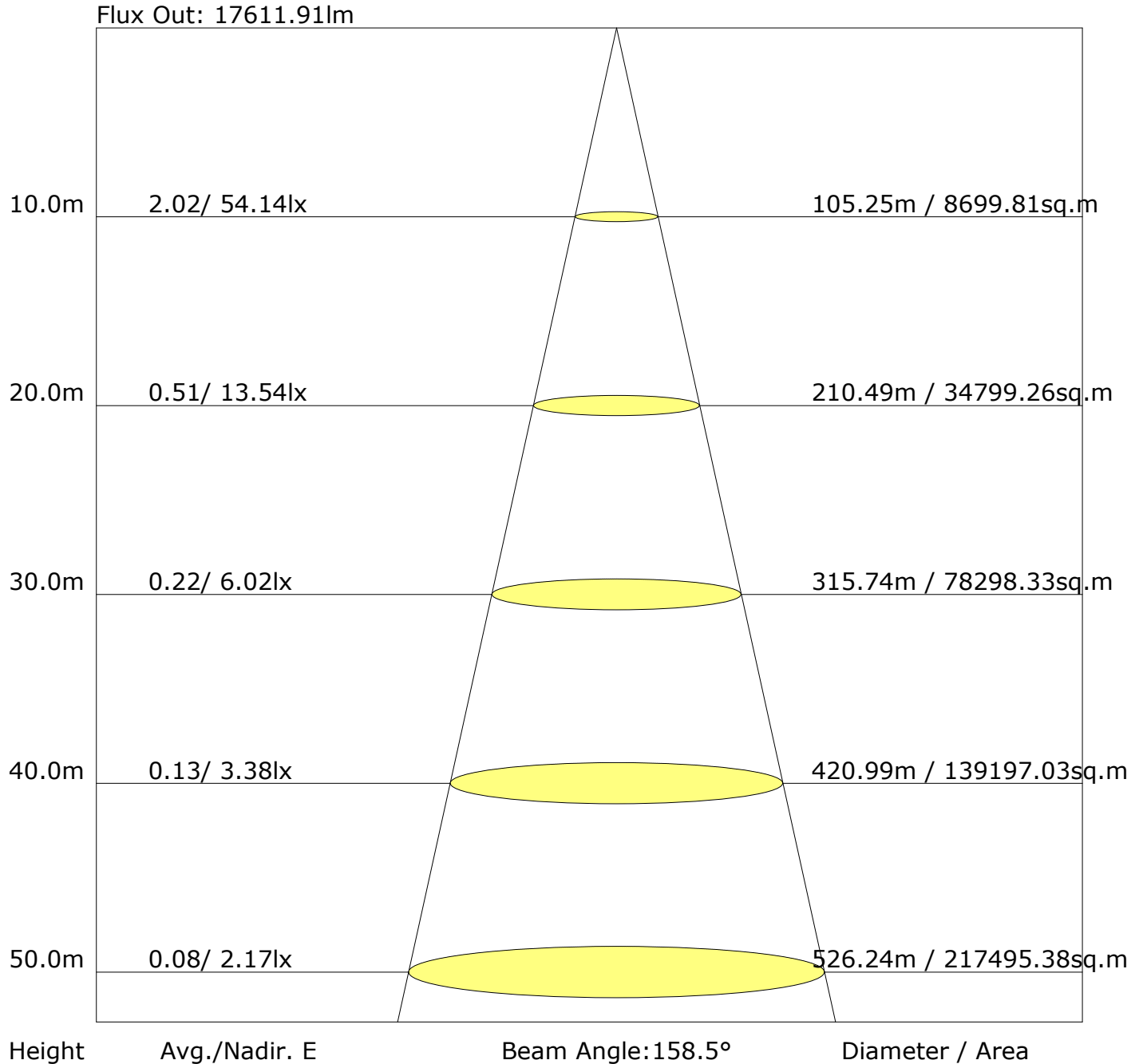
		Vertical plane																		
		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90
Flux(E)	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
Flux(T)	2.2	186.1	753.3	1062.1	246.0	385.9	476.2	521.4	523.4	506.3	473.0	441.3	401.3	282.1	127.2	292.9	862.7	6156.9	2.4	17664
Flux(E)	0.0	173.5	742.5	1050.4	228.1	361.8	446.4	489.7	490.3	474.4	443.9	436.9	425.5	410.8	491.6	961.5	914.5	1.0	0.0	17309

Horizontal plane

C Plane (°):0.0-360.0: 15.0
Test Lab:
Test Type: TYPE C
Temperature: 24.5 °C
Operator:

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

The Average Illuminance Effective Figure



C Plane (°):0.0-360.0: 15.0
Test Lab:
Test Type: TYPE C
Temperature: 24.5 'C
Operator:

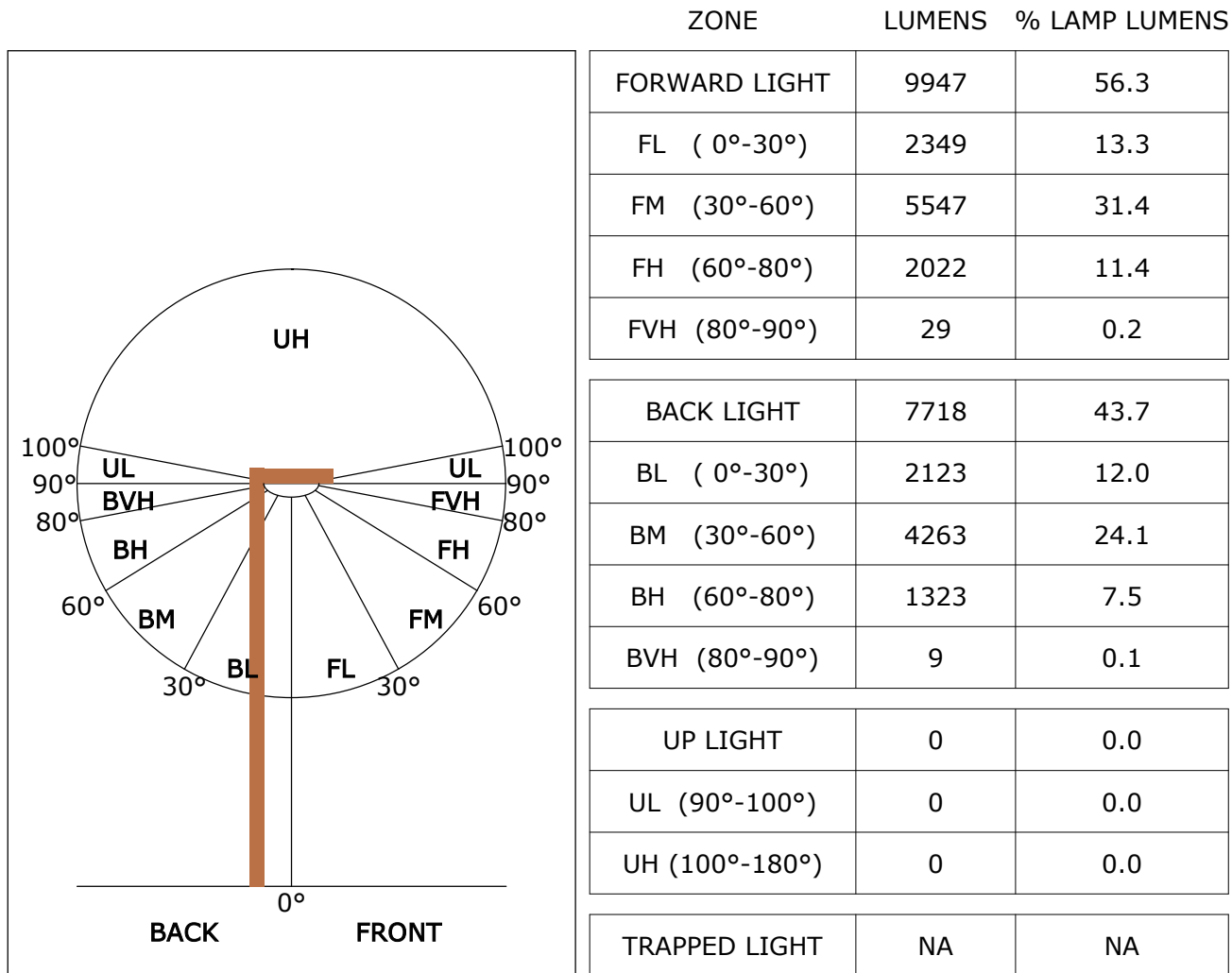
Gamma Plane (°):0.0-90.0:1.0
Test Device: GPM-3000
Distance: 16.528 m [K=1.0000]
Humidity:
Inspector:

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 17666lm ($8\log(F/F_0) = 10.0$).

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 G2

C Plane (°):0.0-360.0: 15.0
Test Lab:
Test Type: TYPE C
Temperature: 24.5 °C
Operator:

Gamma Plane (°):0.0-90.0:1.0
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