

Report No.:

Test Time: 2025/5/6 星期二 15:03

## Luminaire Property

Luminaire Manufacturer:  
Luminaire Category:  
Lamp Catalog:  
Number of Lamps:  
Luminous Length (mm):  
Luminous Height (mm):  
Current: 0.1871 A  
Power Factor: 0.9350

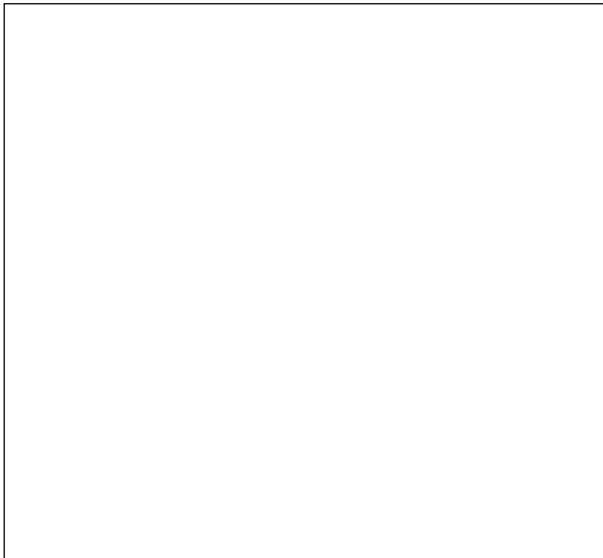
Luminaire Description: PSL004A-40W-5  
Lamp Description:  
Lumens per Lamp:  
Luminous Width (mm):  
Voltage: 220.37 V  
Power: 38.56 W

## Photometric Results

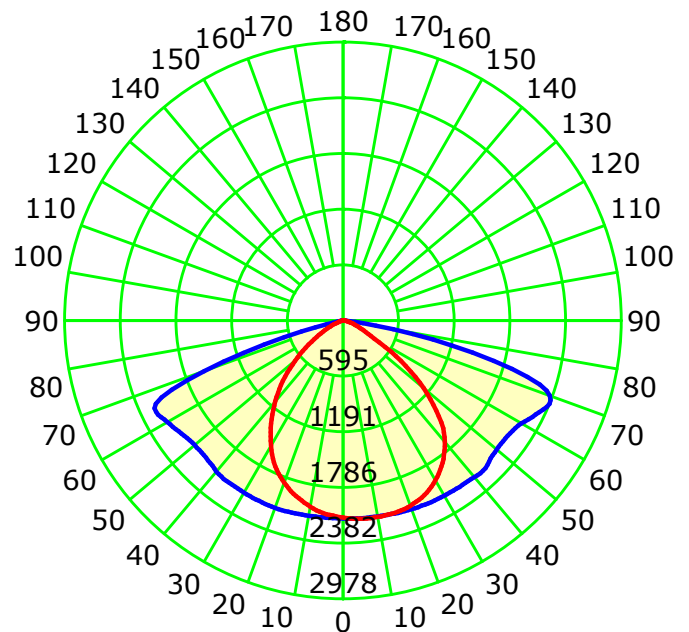
IES Classification: Type II  
Total Rated Lamp Lumens: 6640.8 lm  
Efficiency: 100%  
Upward Ratio: 0%  
C0r0 Intensity: 2118.07 cd  
Pos of Max. Intensity: H0 V68  
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 148.7, 92.3, 112.1, 116.6

Longitudinal Classification: Medium  
Measurement Flux: 6640.8 lm  
Downward Ratio: 100%  
Luminous Efficacy (lm/w): 172.22  
Max. Intensity: 2382.54 cd

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

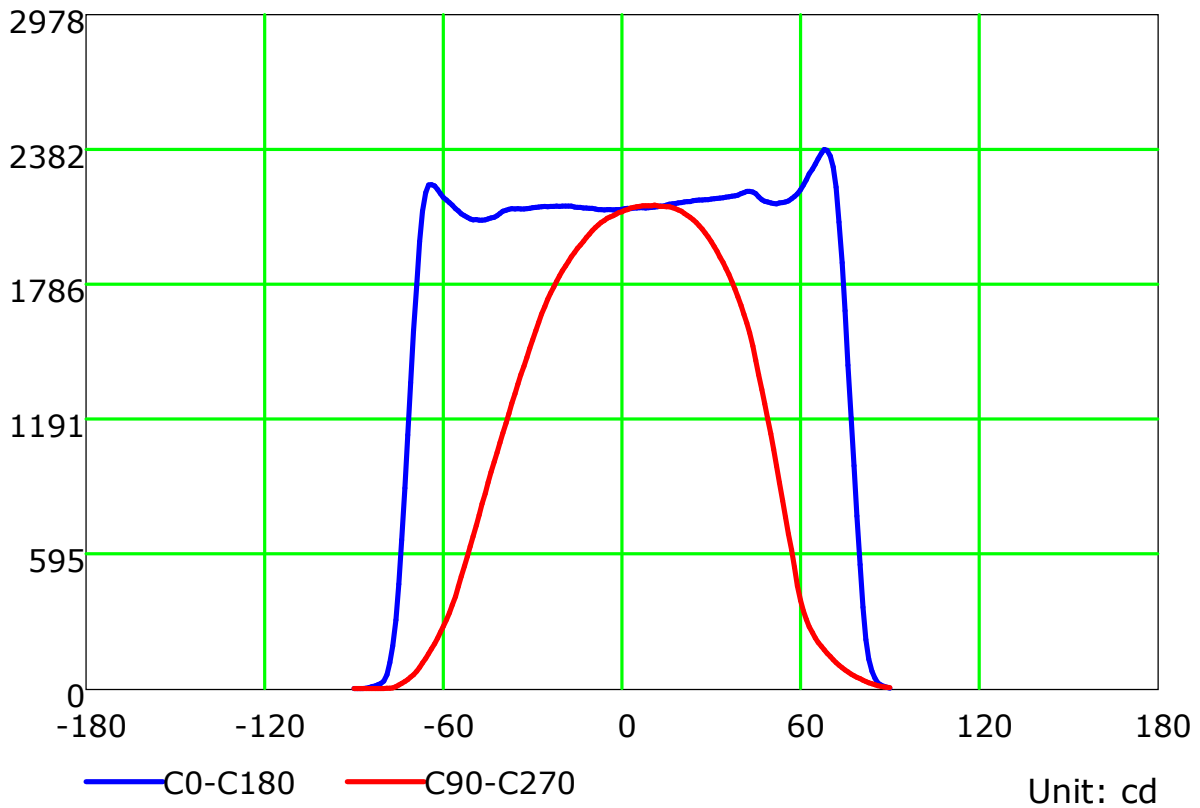
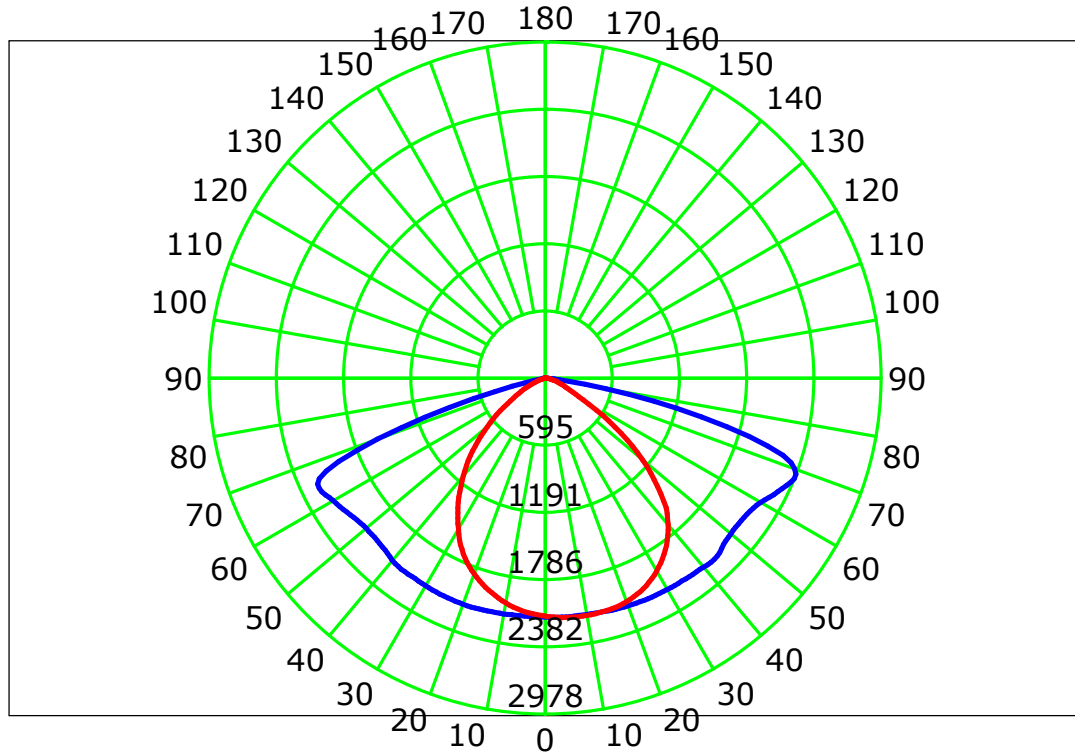
Average Diffuse Angle(50%): 120.5°

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 15.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25.5 °C  
Operator:

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

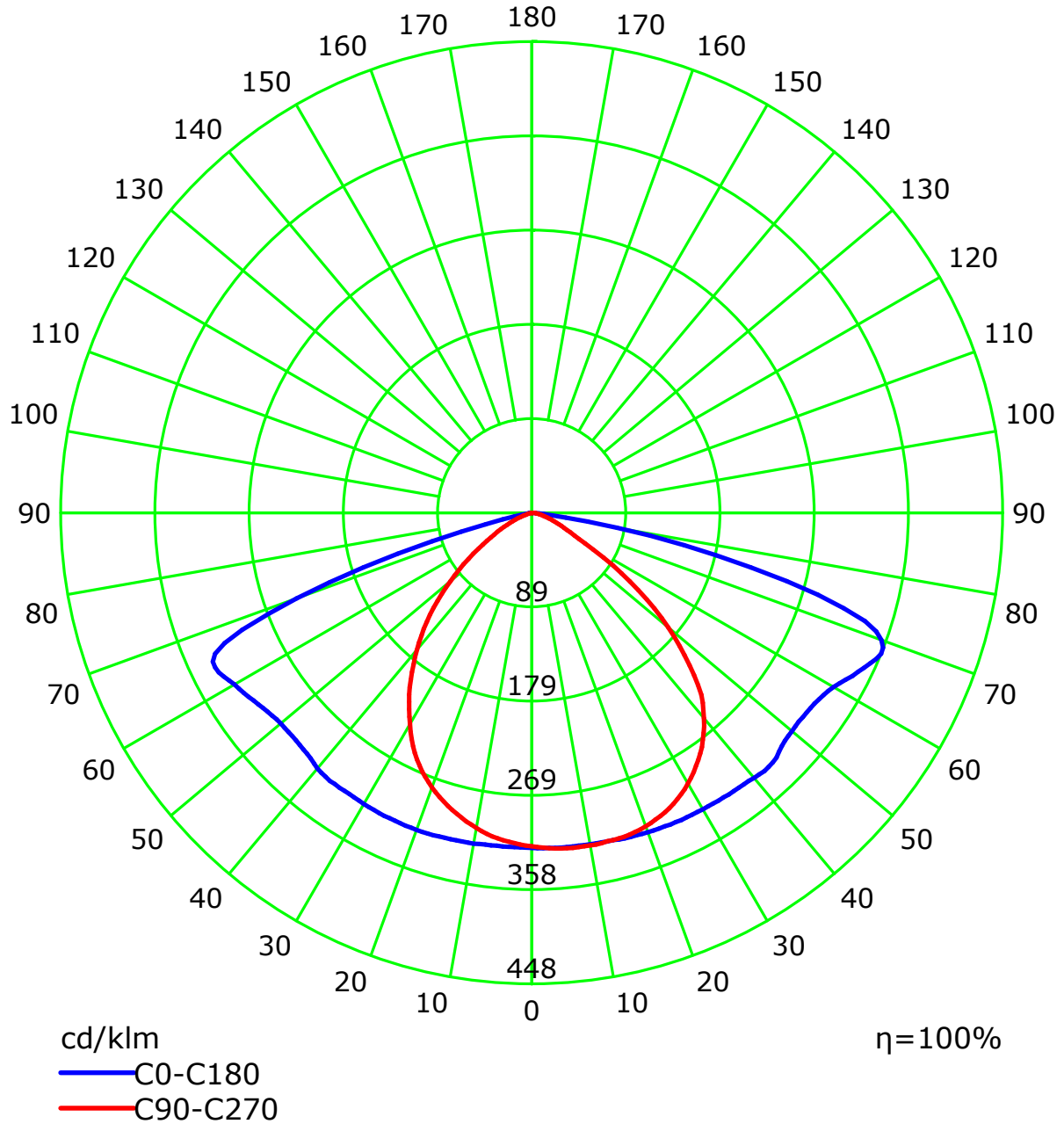
## Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 15.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25.5 °C  
Operator:

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

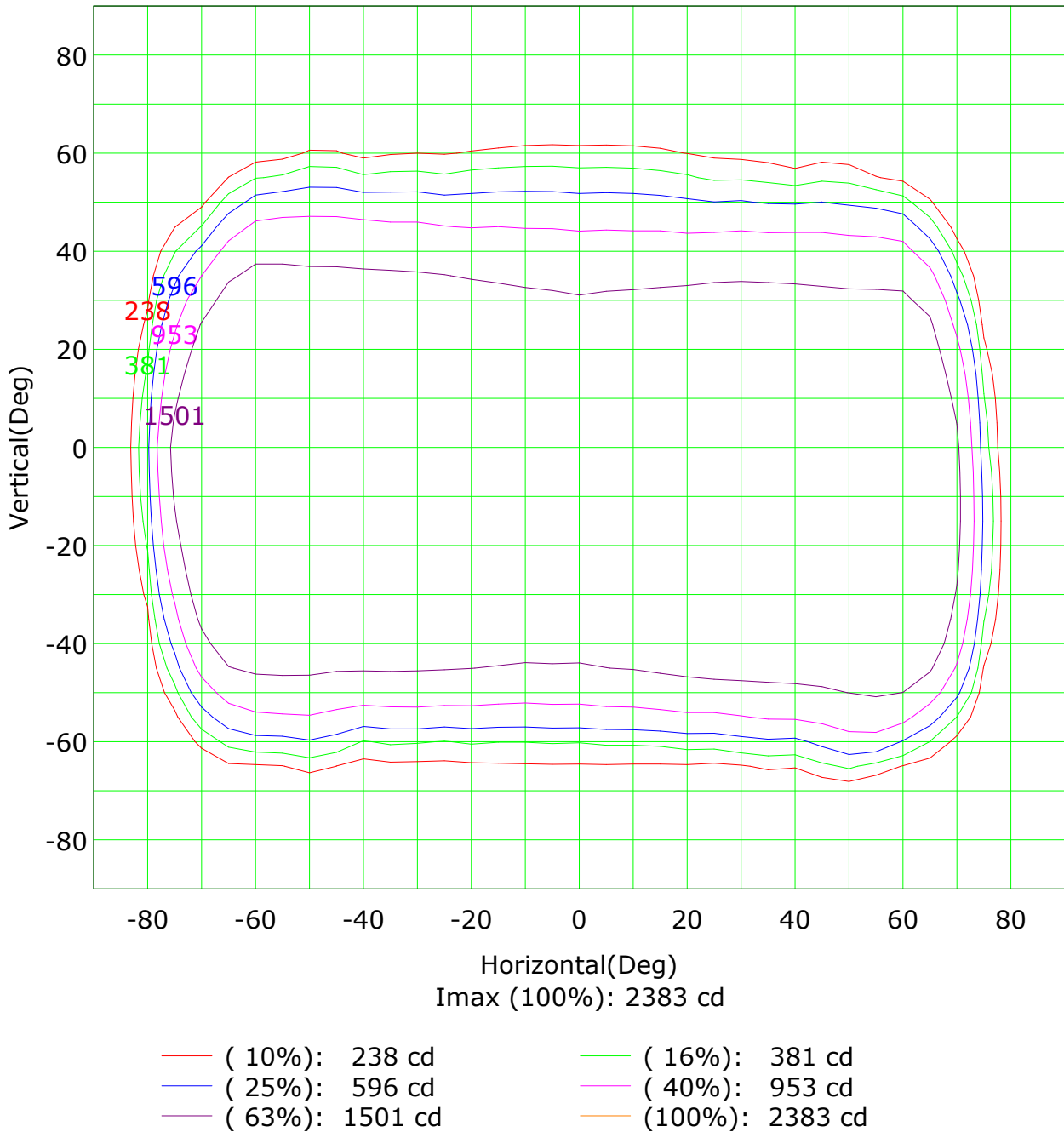
## Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 15.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25.5 'C  
Operator:

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

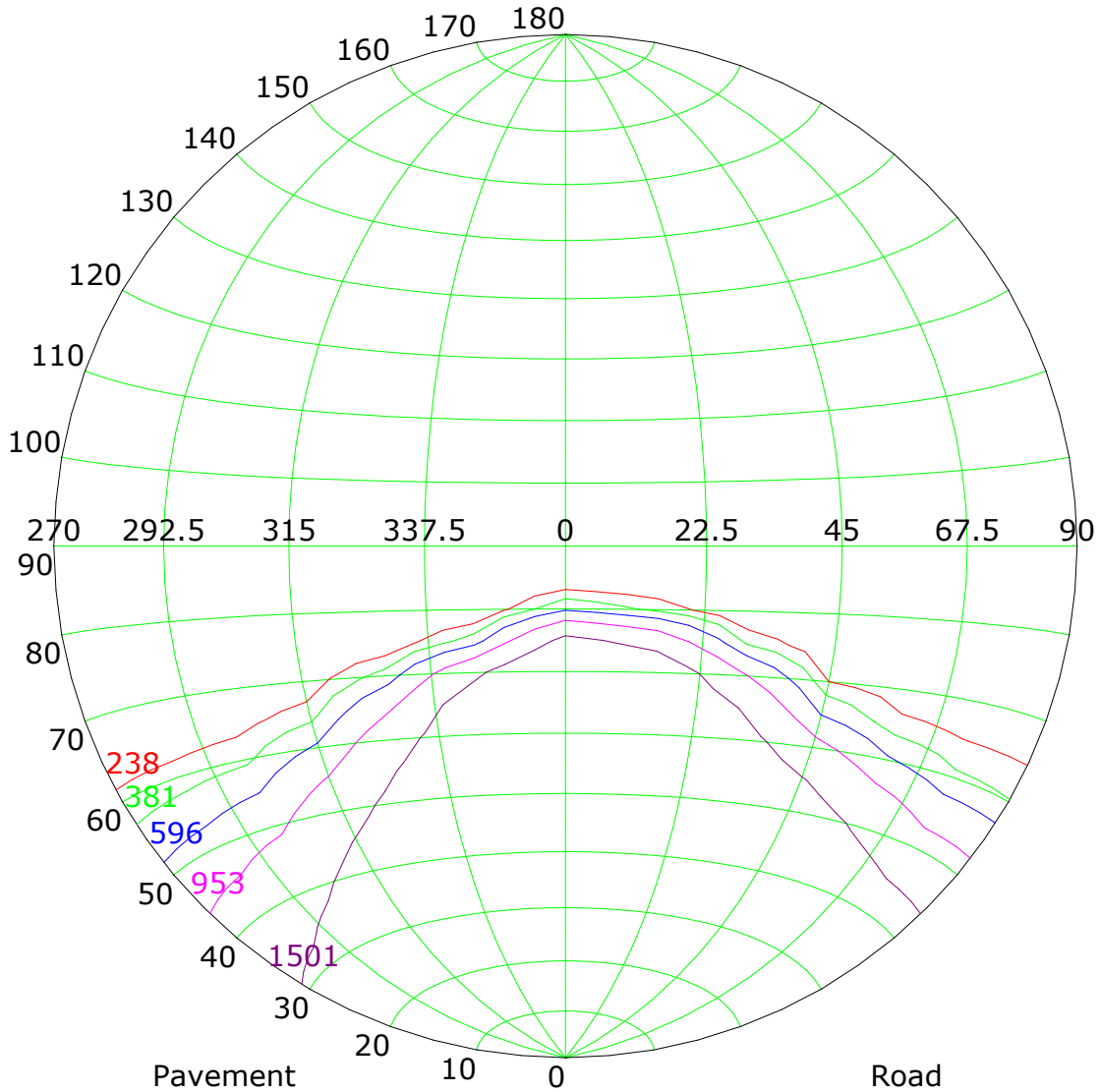
## Isocandela (rectangle)



C Plane (°):0.0-360.0: 15.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25.5 'C  
Operator:

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

## Isocandela (sphere)



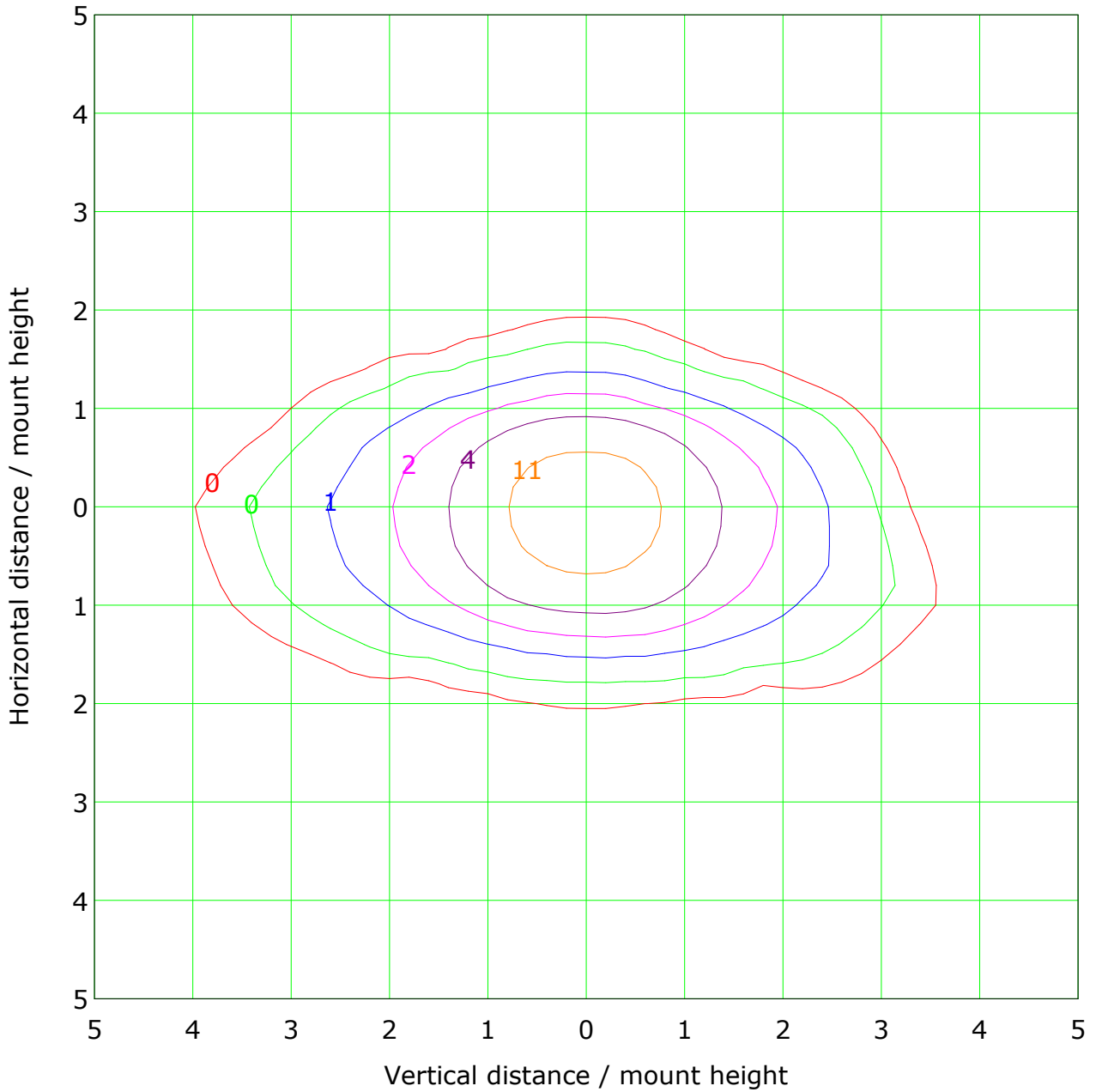
Imax (100%): 2383 cd

— ( 10%): 238 cd	— ( 16%): 381 cd
— ( 25%): 596 cd	— ( 40%): 953 cd
— ( 63%): 1501 cd	— (100%): 2383 cd

CIE: narrow - intermediate  
CIE: Semi-cut-off luminaire  
Max.At90: 0.736 cd/klm

IES: Cut-off  
Max.At80: 82.516 cd/klm  
Max.80-90: 82.516 cd/klm

## IsoLux Plot



Mounting Height: 10.0m    Max Lux(100%): 21.3 lx

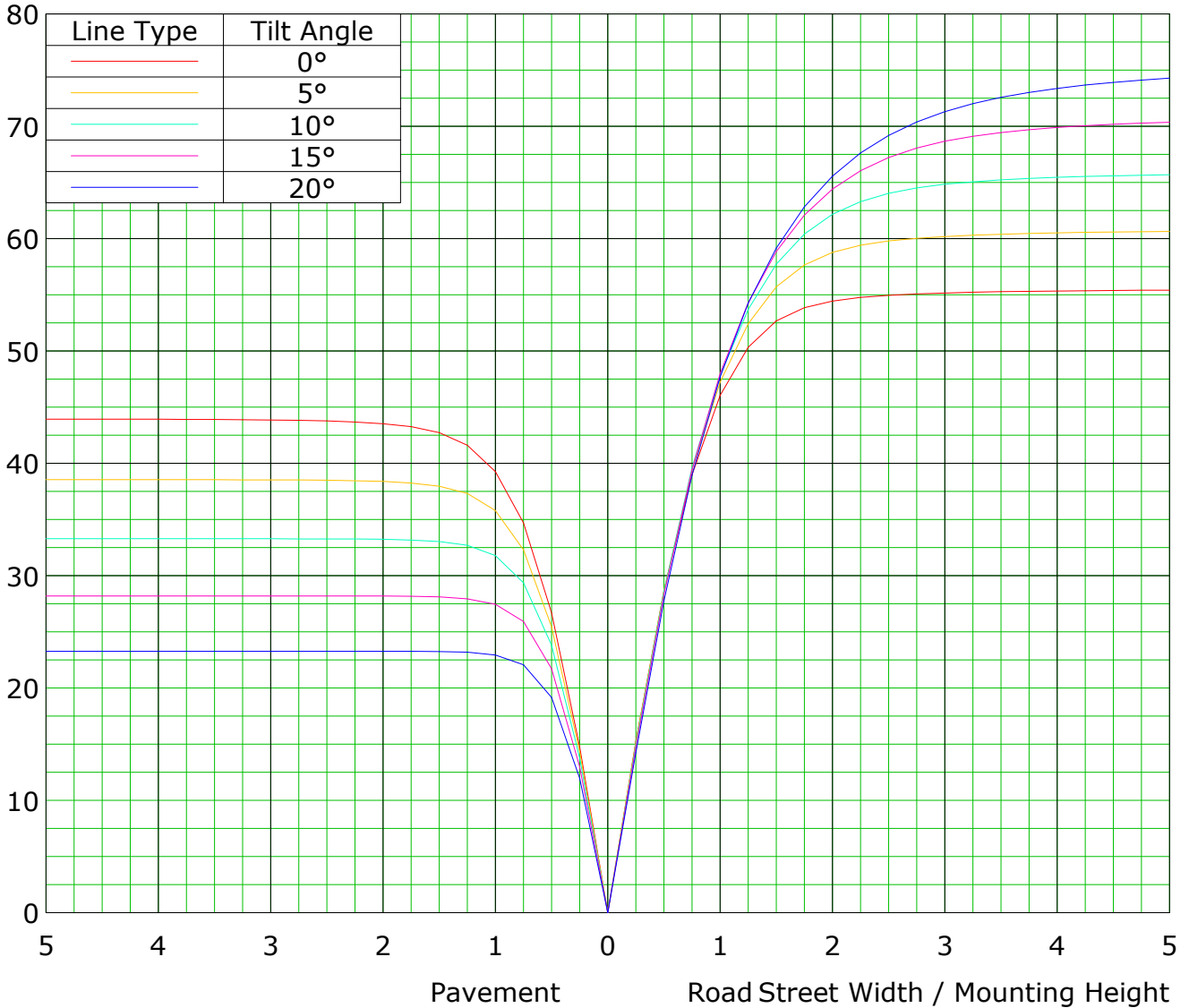
— ( 1%): 0.2 lx	— ( 2%): 0.4 lx
— ( 5%): 1.1 lx	— ( 10%): 2.1 lx
— ( 20%): 4.3 lx	— ( 50%): 10.7 lx
— (100%): 21.3 lx	

C Plane (°):0.0-360.0: 15.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25.5 °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

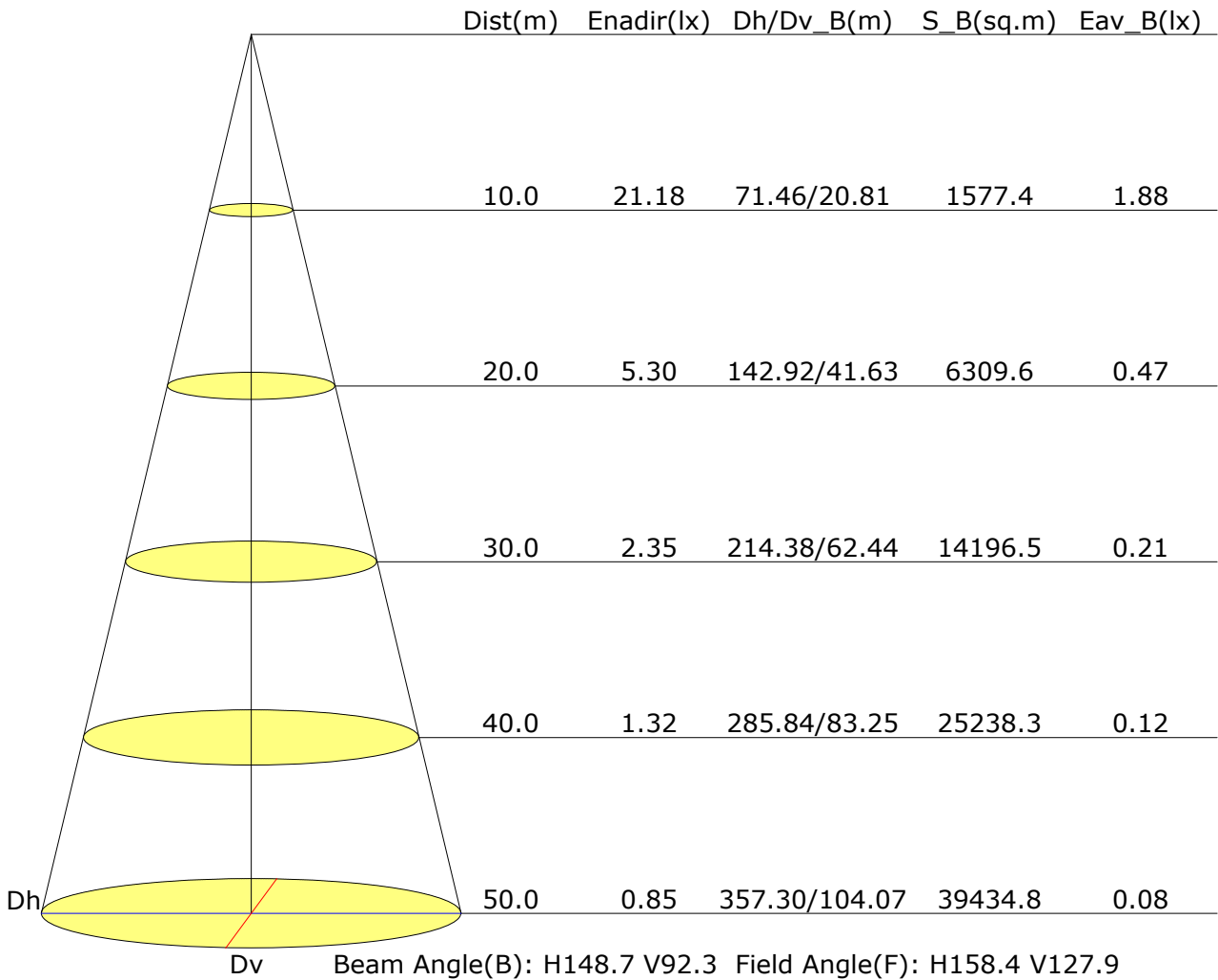
Efficiency(%)



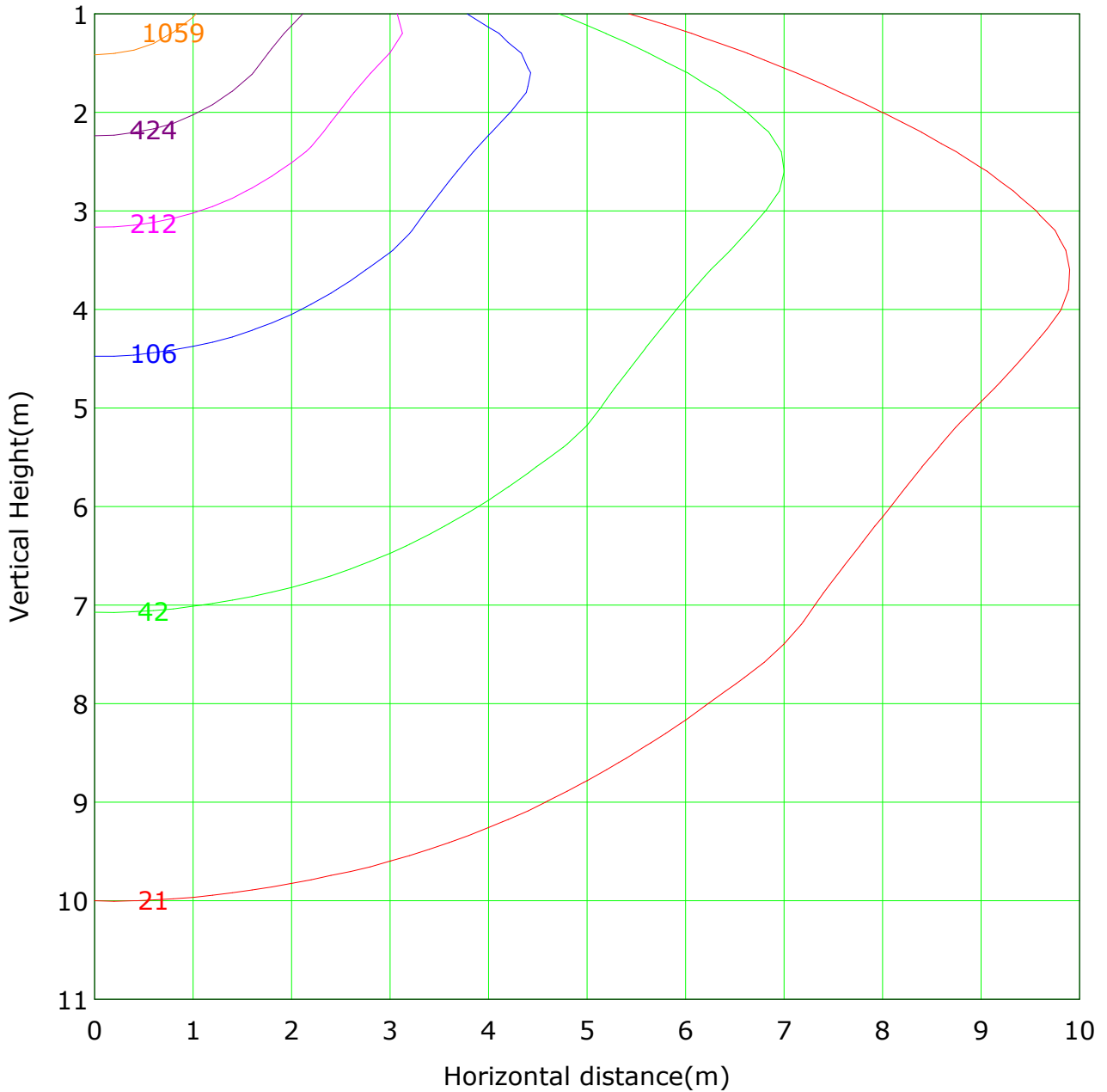
C Plane (°):0.0-360.0: 15.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25.5 'C  
Operator:

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: 2118.1 lx

— ( 1%): 21.2 lx	— ( 2%): 42.4 lx
— ( 5%): 105.9 lx	— ( 10%): 211.8 lx
— ( 20%): 423.6 lx	— ( 50%): 1059.0 lx
— (100%): 2118.1 lx	

### Area Flux Table

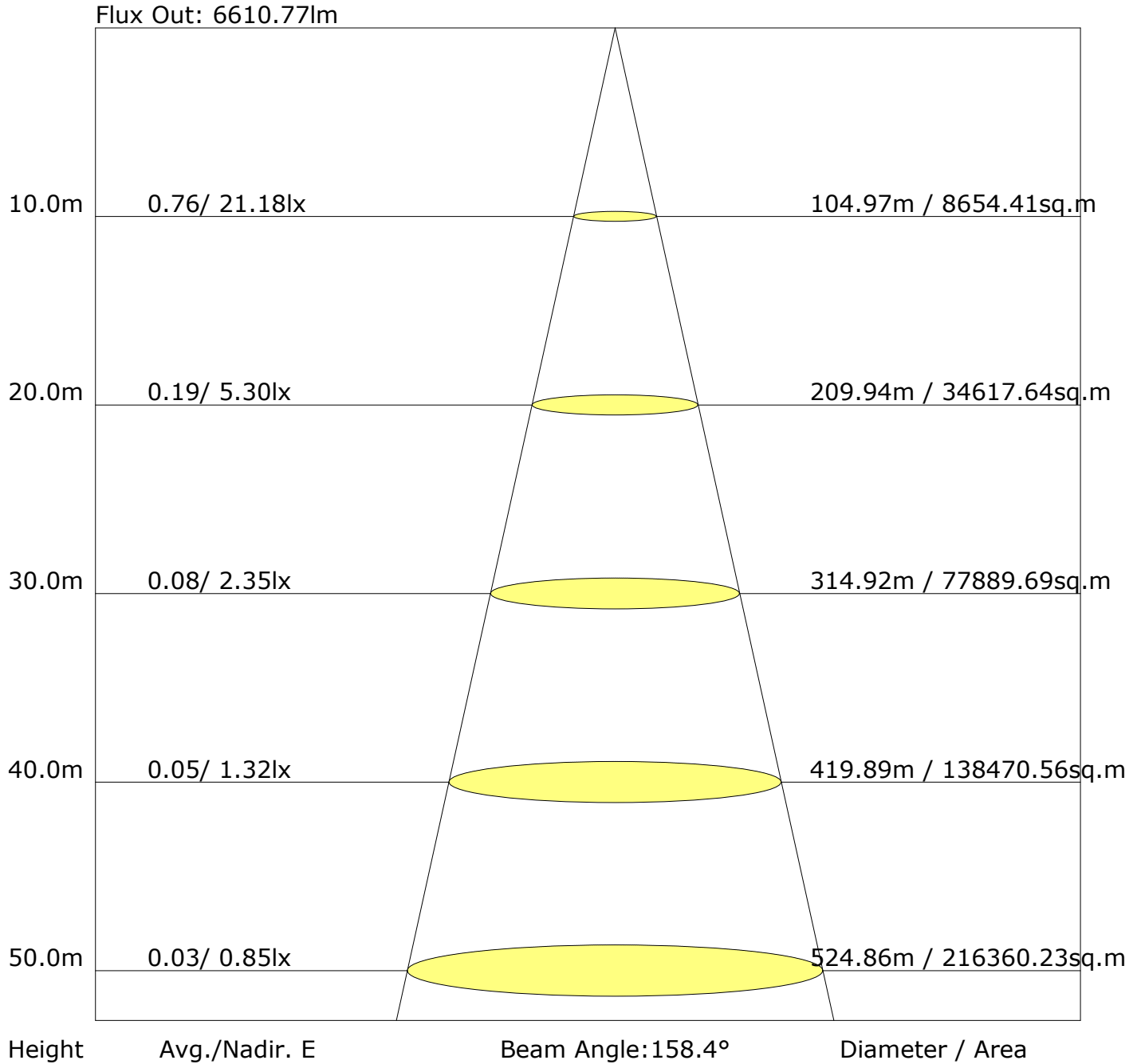
Unit: lm

		Vertical plane																				
		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
Horizontal plane	-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0
	-80	0.0	0.0	0.1	0.2	0.4	0.5	0.5	0.5	0.6	0.7	0.7	0.8	0.8	0.7	0.6	0.6	0.6	0.6	0.6	40.3	35.4
	-70	0.0	0.1	0.4	0.9	1.8	2.5	3.4	4.4	4.9	5.1	5.4	5.8	6.0	6.1	6.2	6.3	6.4	6.5	6.6	228.3	224.4
	-60	0.0	0.2	1.8	4.9	7.5	8.6	10.5	12.9	14.0	14.2	13.6	12.0	10.9	10.2	10.2	10.2	10.2	10.2	10.2	3349.9	345.3
	-50	0.0	0.5	6.3	14.3	18.9	22.0	24.4	26.6	27.7	28.1	27.8	26.6	25.3	22.9	18.6	9.8	3.3	0.6	0.1	429.4	423.4
	-40	0.0	1.4	13.2	24.0	30.2	35.7	39.4	40.9	41.3	41.5	42.1	41.3	38.5	33.8	28.0	17.9	4.6	0.2	0.1	498.8	490.4
	-30	0.0	2.6	19.2	30.7	37.8	44.8	49.7	52.0	52.6	52.8	52.8	51.1	47.0	40.6	33.9	23.7	7.6	0.3	0.3	549.8	539.9
	-20	0.0	4.0	23.2	34.1	42.1	49.7	55.1	58.3	59.4	59.5	58.9	56.4	51.8	44.5	36.2	26.8	10.3	0.4	0.4	580.6	570.1
	-10	0.0	5.0	26.0	36.0	44.0	52.1	57.9	61.5	63.2	62.2	59.0	53.7	46.2	37.2	28.8	12.5	0.5	0.5	0.5	591.7	579.9
	0	0.0	5.7	27.2	36.9	45.1	53.1	59.1	62.8	64.7	64.8	63.0	59.4	54.1	46.9	37.6	29.3	13.0	0.5	0.5	591.7	579.9
	10	0.1	6.0	27.0	37.1	45.6	53.4	59.0	62.8	64.7	64.8	63.1	59.3	54.0	46.6	37.5	28.7	11.8	0.4	0.4	609.1	597.1
	20	0.1	5.5	26.6	36.9	44.8	52.5	57.8	61.2	62.6	62.6	60.9	57.8	52.8	45.2	36.8	27.7	9.9	0.3	0.3	612.5	601.5
	30	0.0	4.4	25.1	35.1	42.8	49.4	54.3	56.6	56.9	56.3	55.3	53.0	48.5	41.8	33.9	24.9	7.4	0.2	0.2	615.1	604.5
	40	0.0	2.9	19.4	30.8	36.5	41.2	44.8	45.6	44.8	43.7	42.9	41.6	38.1	33.1	27.5	18.4	4.5	0.1	0.1	615.1	604.5
	50	0.0	1.3	9.7	20.6	22.8	24.2	24.6	24.3	23.8	22.9	22.0	21.2	19.4	18.1	15.9	9.6	2.0	0.1	0.1	615.1	604.5
	60	0.0	0.4	2.5	6.3	7.4	7.0	6.7	7.1	7.3	7.2	6.9	6.0	5.5	5.4	4.6	2.9	0.7	0.0	0.0	615.1	604.5
	70	0.0	0.1	0.5	0.9	1.3	1.7	2.1	2.4	2.6	2.6	2.5	2.2	1.8	1.4	0.9	0.6	0.2	0.0	0.0	615.1	604.5
	80	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.5	0.6	0.6	0.6	0.5	0.5	0.4	0.3	0.2	0.1	0.0	0.0	615.1	604.5
90	0.4	40.3	228.3	3349.9	429.4	498.8	549.8	580.6	591.7	590.8	579.9	552.2	505.8	440.3	358.4	253.4	87.4	3.2	6640	6640	6518	

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

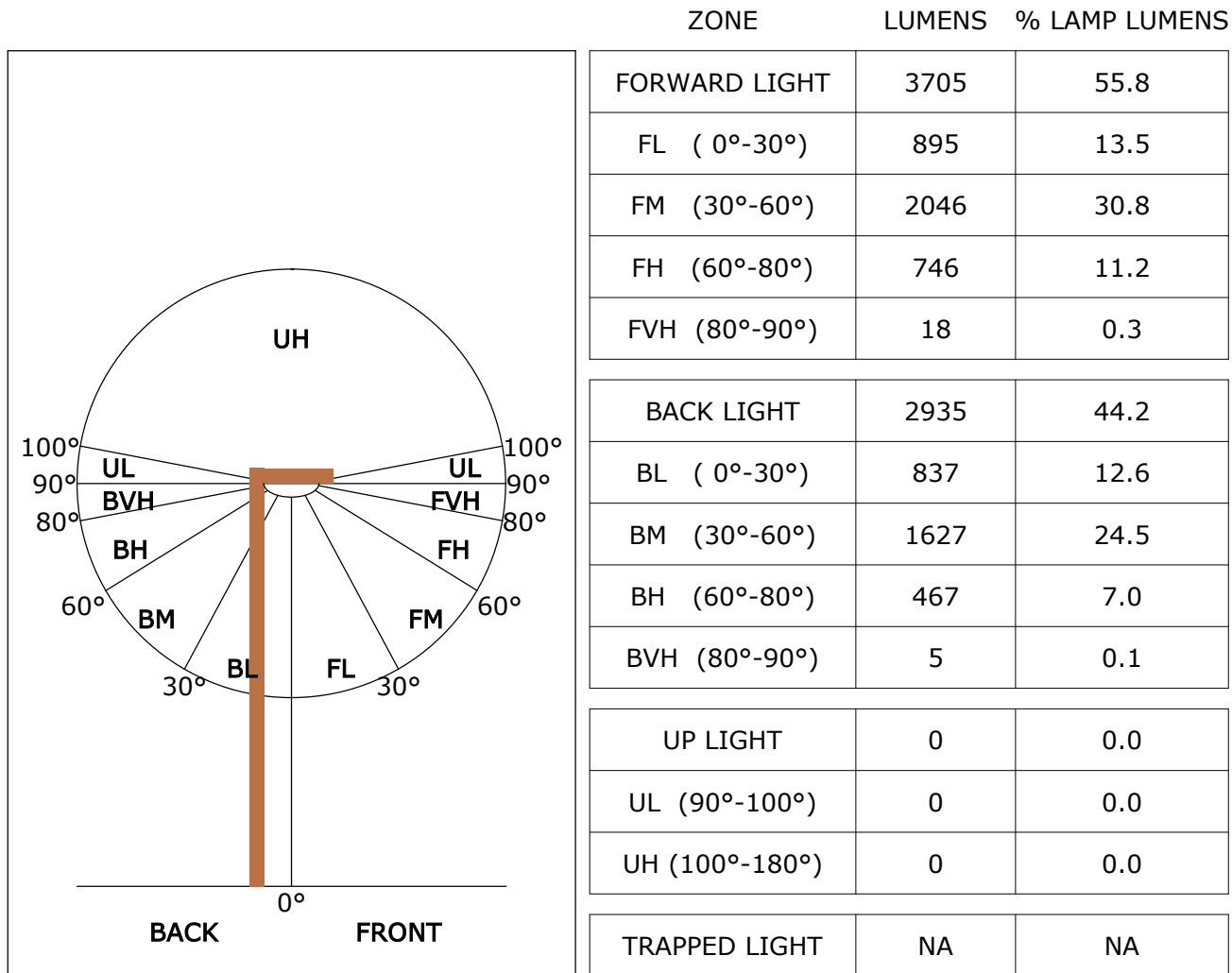


## UGR Table

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 6641Im ( $8\log(F/F_0) = 6.6$ ).

**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)	B2 U1 G1
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B2 U1 G1

C Plane (°):0.0-360.0: 15.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25.5 °C  
Operator:

Gamma Plane (°):0.0-90.0:1.0  
Test Device: GPM-3000  
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Humidity:  
Inspector:

