

Report No.:

Test Time: 2025/10/31 星期五 12:43

Luminaire Property

Luminaire Manufacturer:
Luminaire Category:
Lamp Catalog:
Number of Lamps:
Luminous Length (mm):
Luminous Height (mm):
Current: 0.6655 A
Power Factor: 0.9791

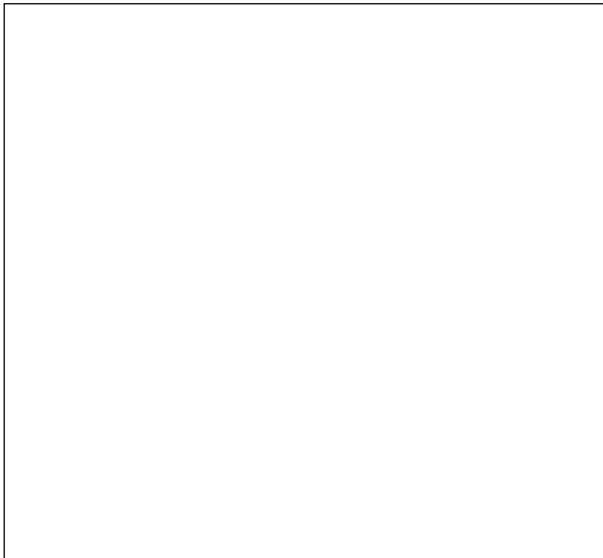
Luminaire Description: XSL002-150W
Lamp Description:
Lumens per Lamp:
Luminous Width (mm):
Voltage: 220.15 V
Power: 143.45 W

Photometric Results

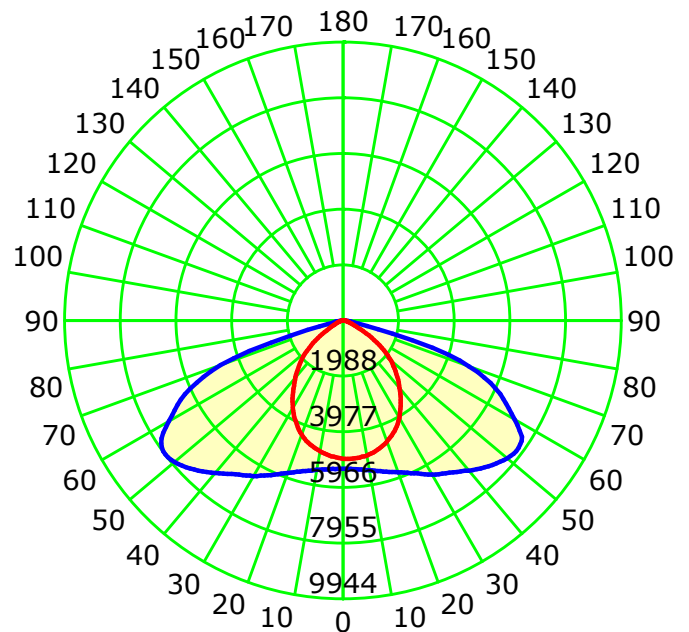
IES Classification: Type I
Total Rated Lamp Lumens: 16468.7 lm
Efficiency: 100%
Upward Ratio: 0%
C0r0 Intensity: 5297.33 cd
Pos of Max. Intensity: H180 V53
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 143.3, 89.4, 106.2, 105.1

Longitudinal Classification: Short
Measurement Flux: 16468.7 lm
Downward Ratio: 100%
Luminous Efficacy (lm/w): 114.80
Max. Intensity: 7955.34 cd

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

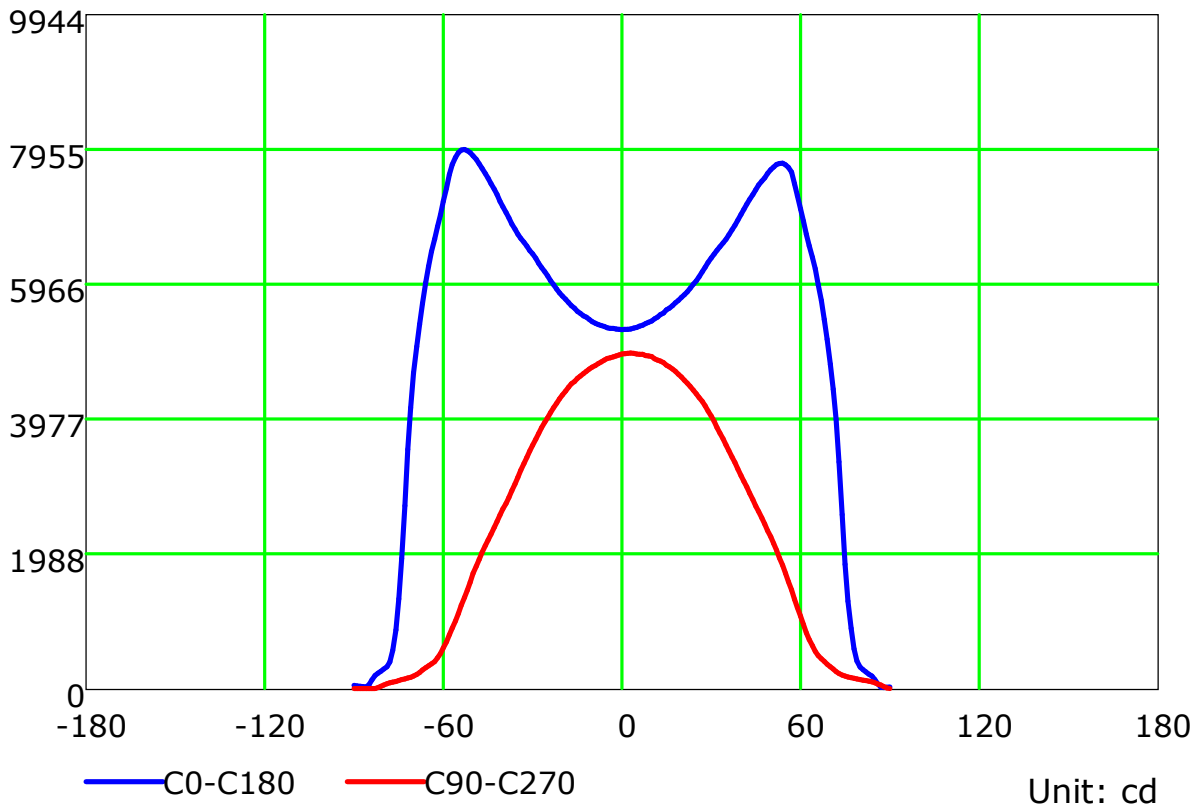
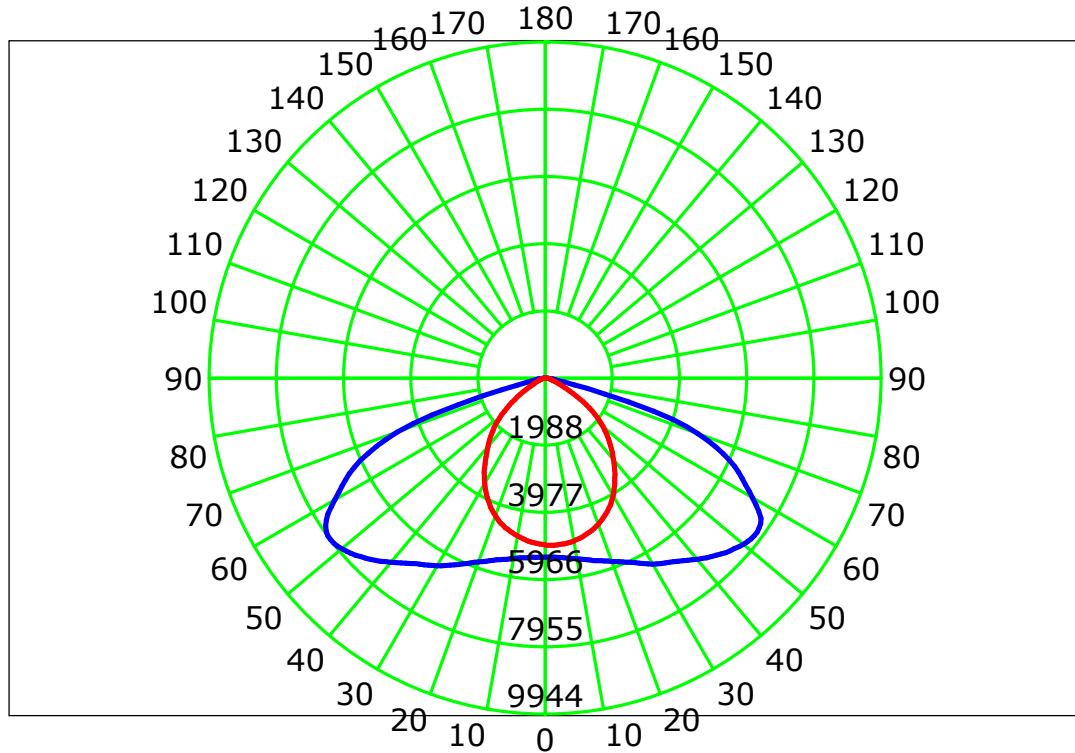
Average Diffuse Angle(50%): 116.3°

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 15.0
Test Lab:
Test Type: TYPE C
Temperature: 22.1 °C
Operator:

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

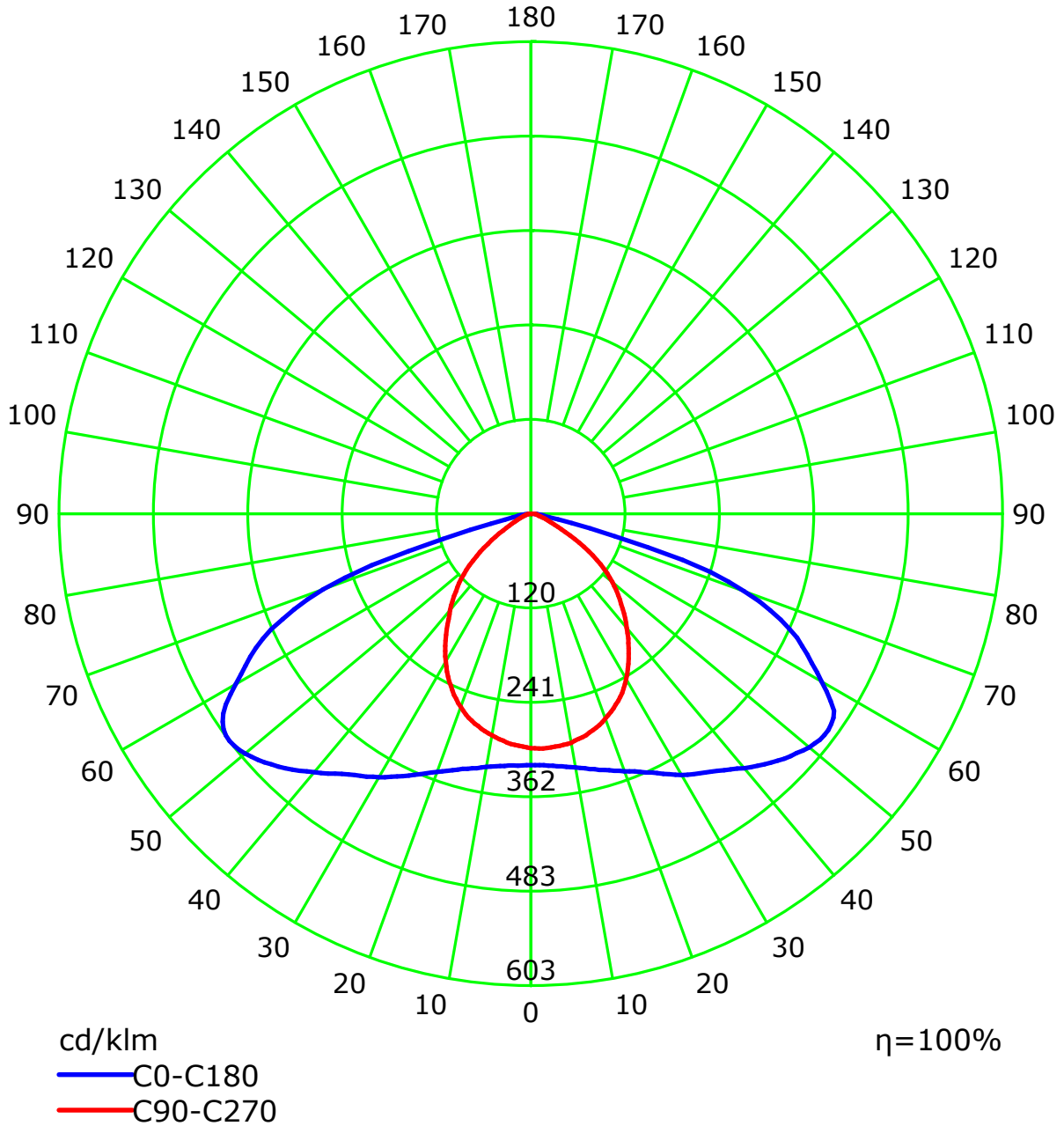
Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 15.0
Test Lab:
Test Type: TYPE C
Temperature: 22.1 °C
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Gamma Plane (°):0.0-90.0:1.0
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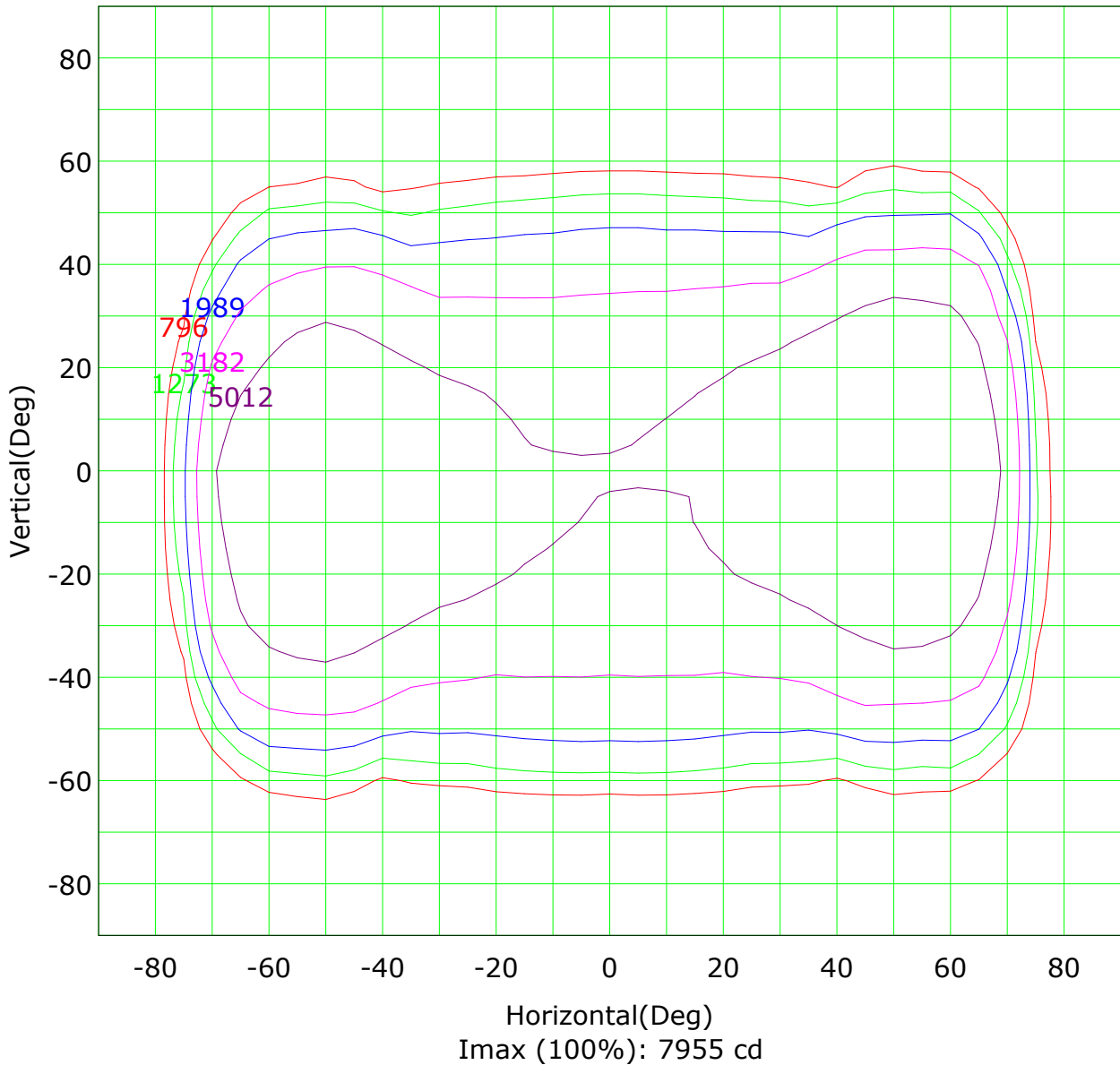
Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 15.0
Test Lab:
Test Type: TYPE C
Temperature: 22.1 '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)

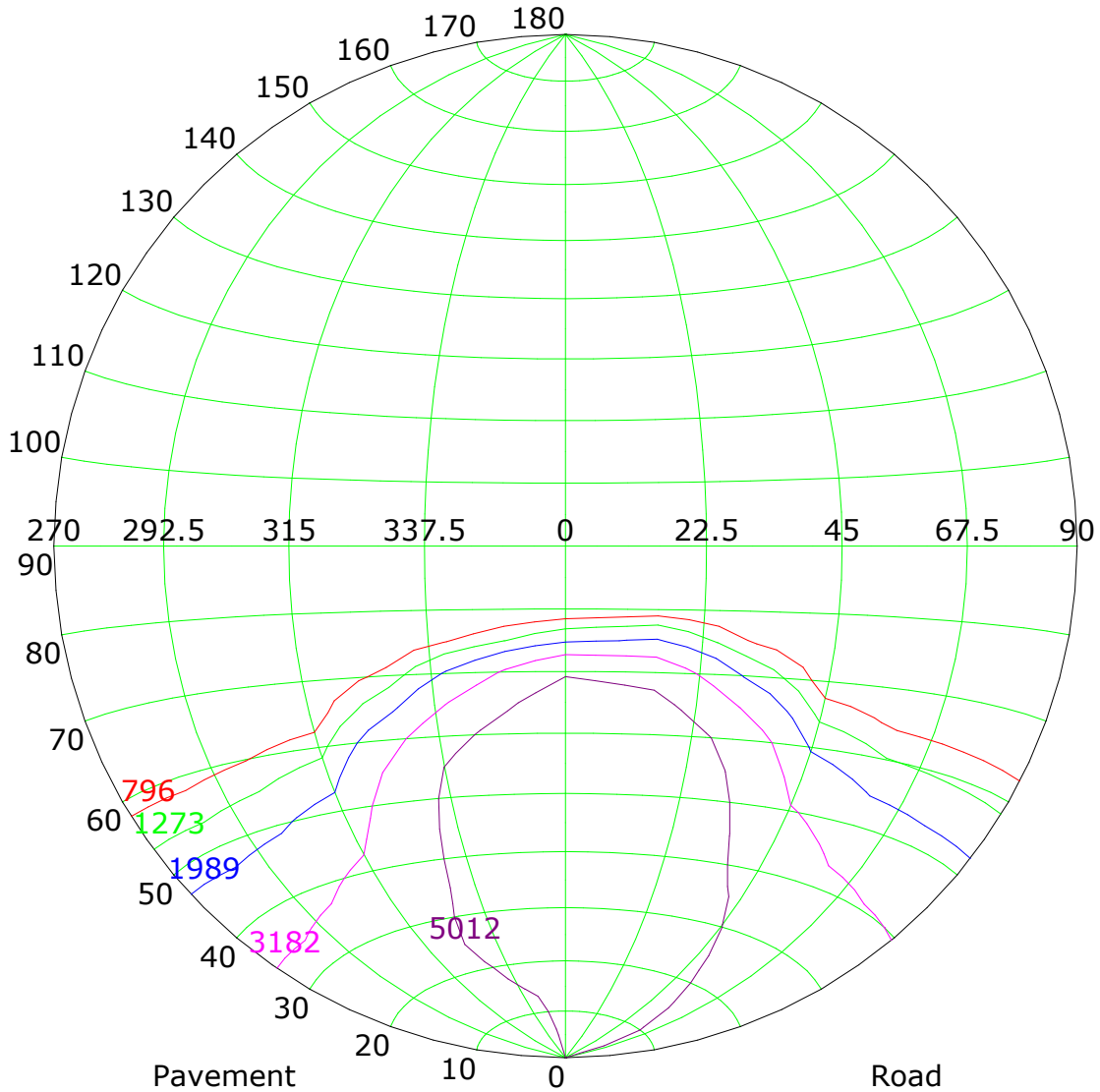


— (10%): 796 cd	— (16%): 1273 cd
— (25%): 1989 cd	— (40%): 3182 cd
— (63%): 5012 cd	— (100%): 7955 cd

C Plane (°):0.0-360.0: 15.0
Test Lab:
Test Type: TYPE C
Temperature: 22.1 '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)



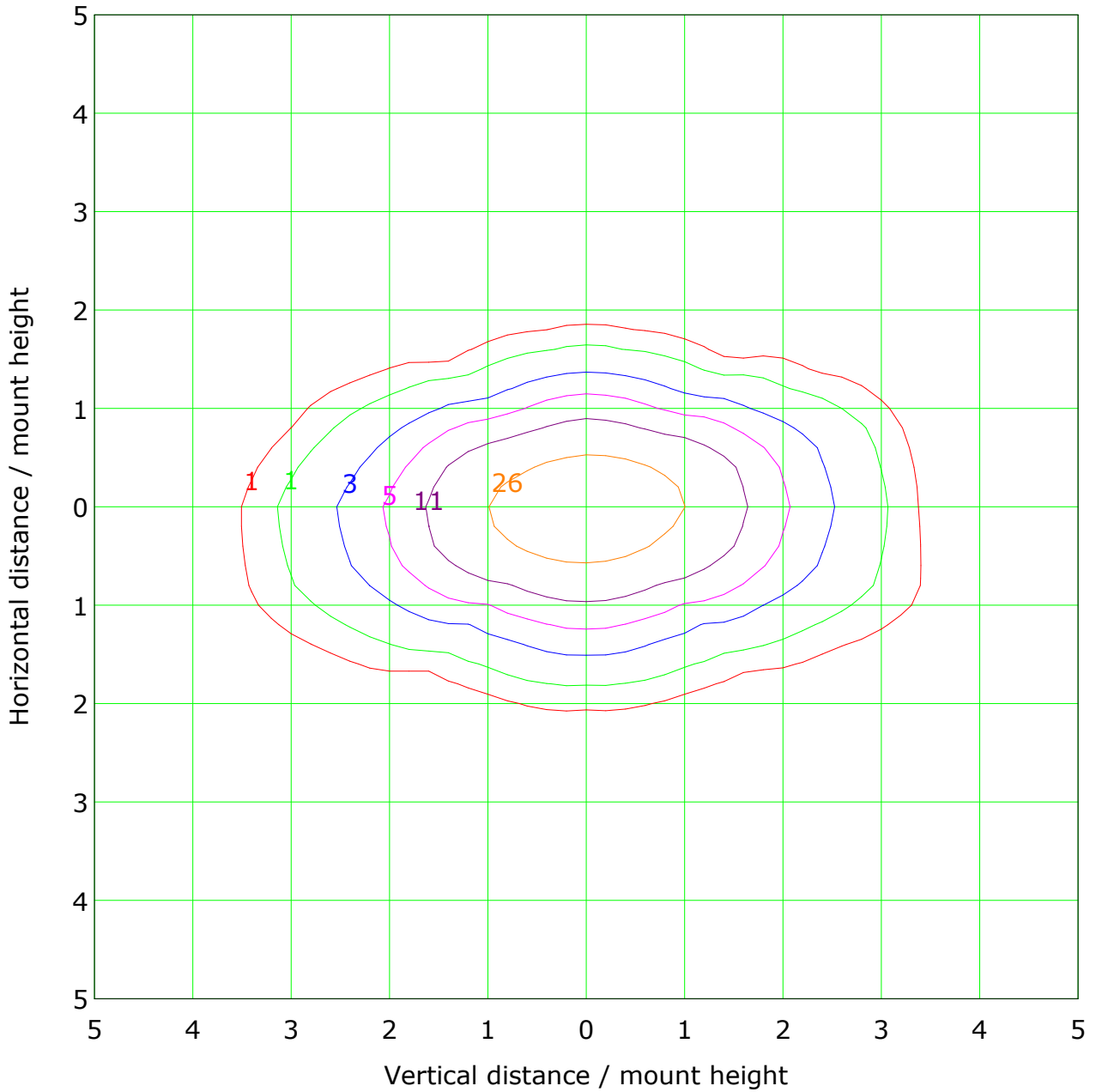
Imax (100%): 7955 cd

— (10%): 796 cd	— (16%): 1273 cd
— (25%): 1989 cd	— (40%): 3182 cd
— (63%): 5012 cd	— (100%): 7955 cd

CIE: narrow - short
CIE: Semi-cut-off luminaire
Max.At90: 3.116 cd/klm

IES: Cut-off
Max.At80: 32.588 cd/klm
Max.80-90: 32.588 cd/klm

IsoLux Plot



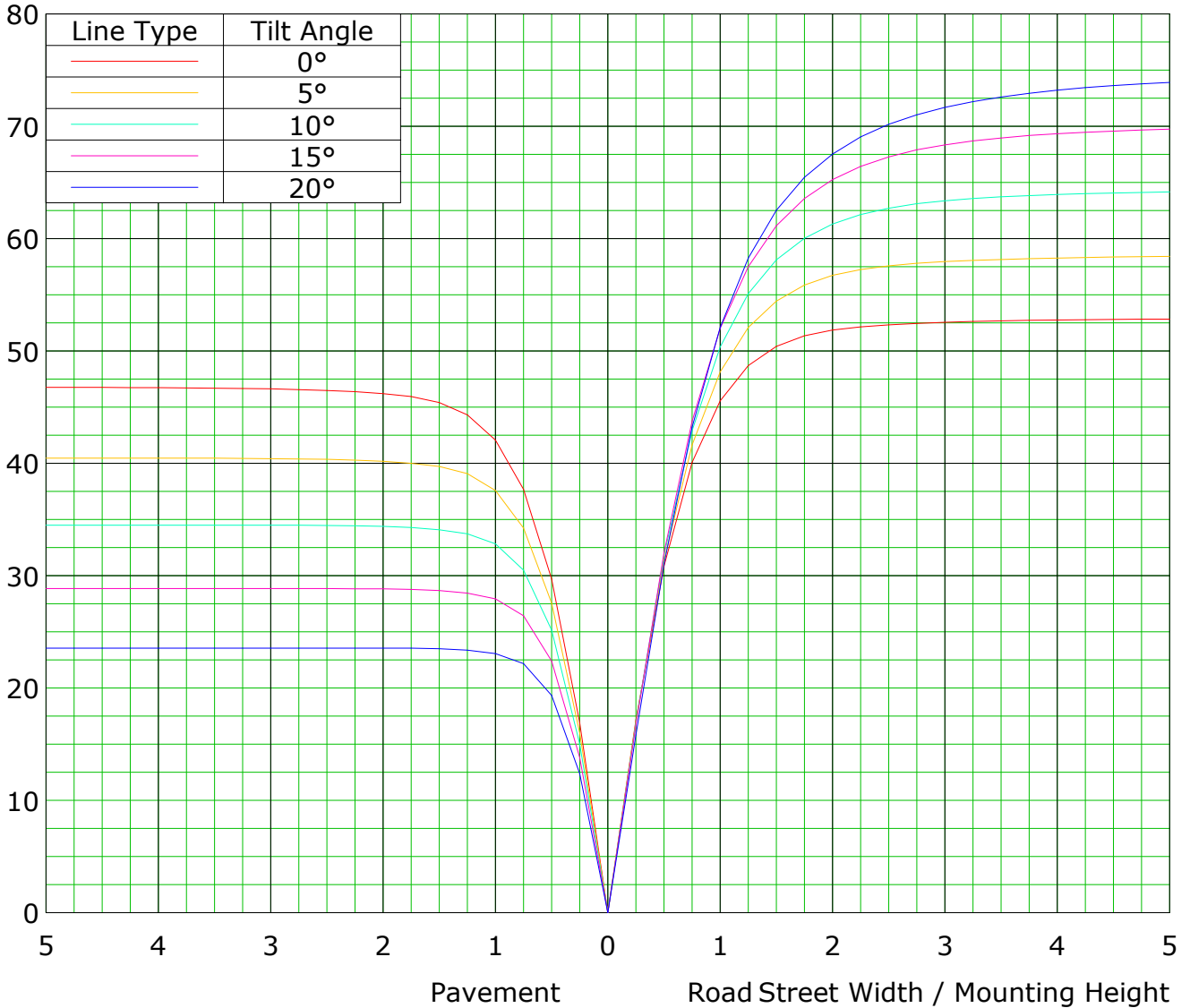
Mounting Height: 10.0m		Max Lux(100%): 53.0 lx	
<ul style="list-style-type: none"> — (1%): 0.5 lx — (5%): 2.6 lx — (20%): 10.6 lx — (100%): 53.0 lx 	<ul style="list-style-type: none"> — (2%): 1.1 lx — (10%): 5.3 lx — (50%): 26.5 lx 		

C Plane (°):0.0-360.0: 15.0
 Test Lab:
 Test Type: TYPE C
 Temperature: 22.1 '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

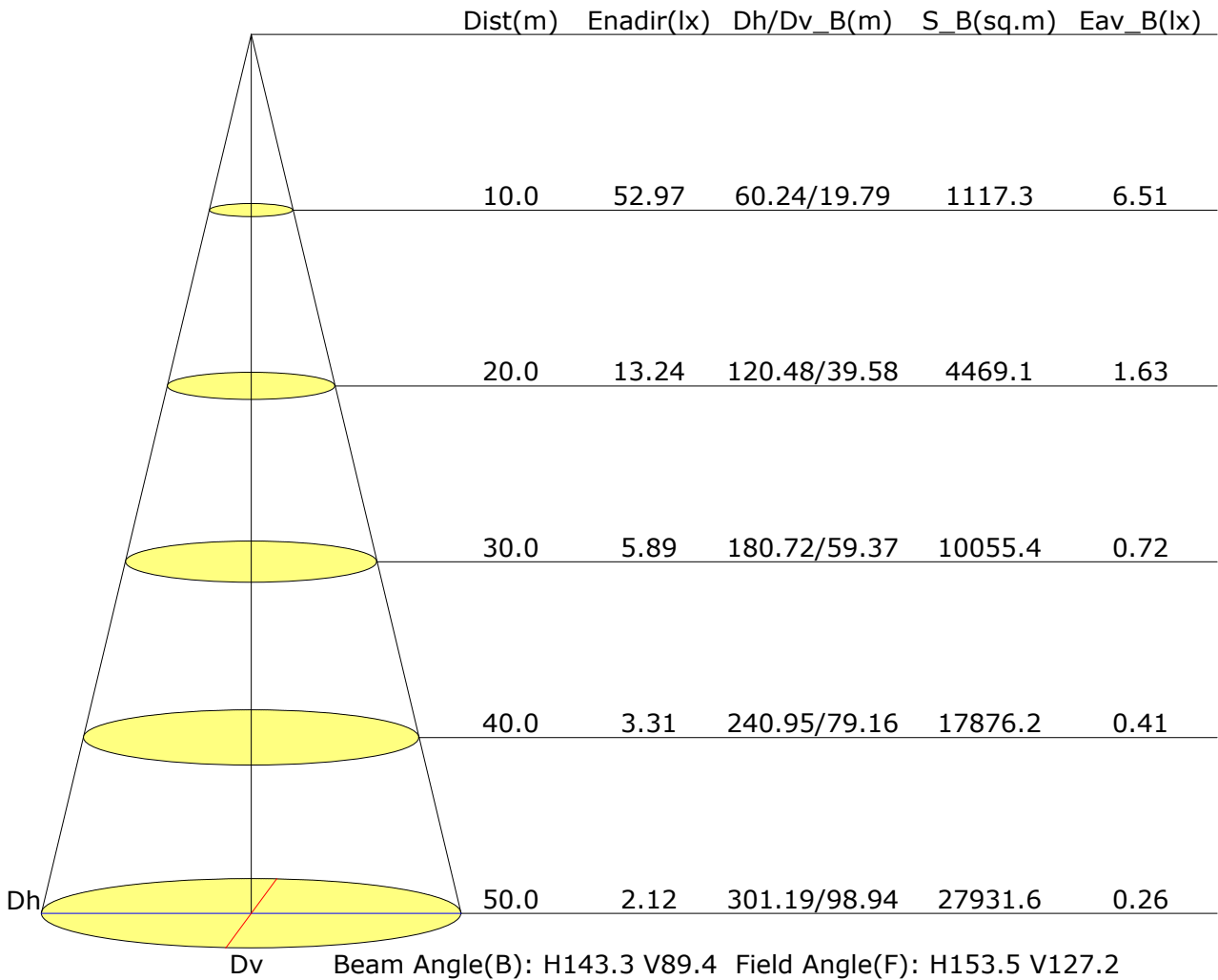
Efficiency(%)



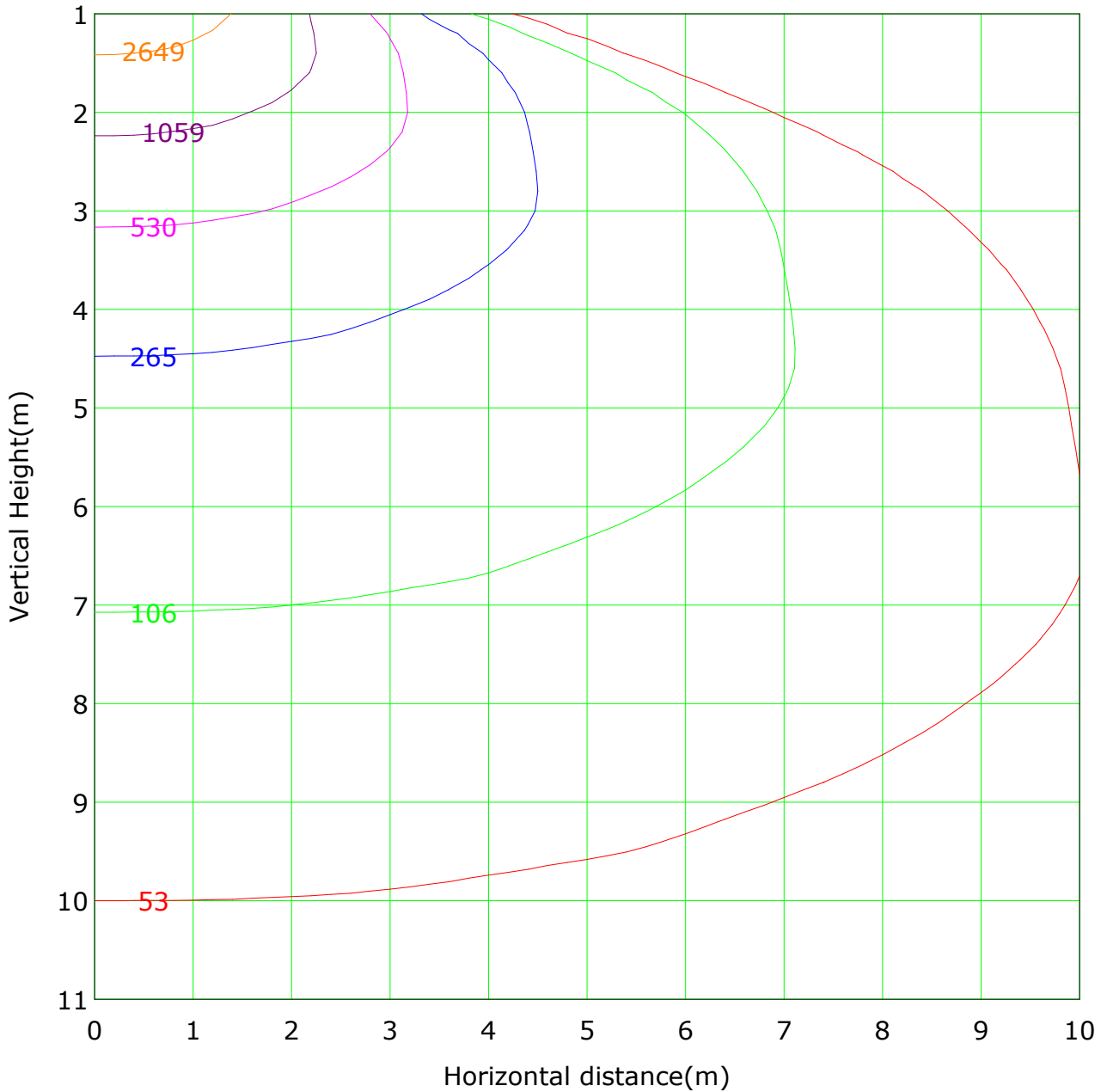
C Plane (°):0.0-360.0: 15.0
Test Lab:
Test Type: TYPE C
Temperature: 22.1 'C
Operator:

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: 5297.3 lx

— (1%): 53.0 lx	— (2%): 105.9 lx
— (5%): 264.9 lx	— (10%): 529.7 lx
— (20%): 1059.5 lx	— (50%): 2648.7 lx
— (100%): 5297.3 lx	

Area Flux Table

Unit: lm

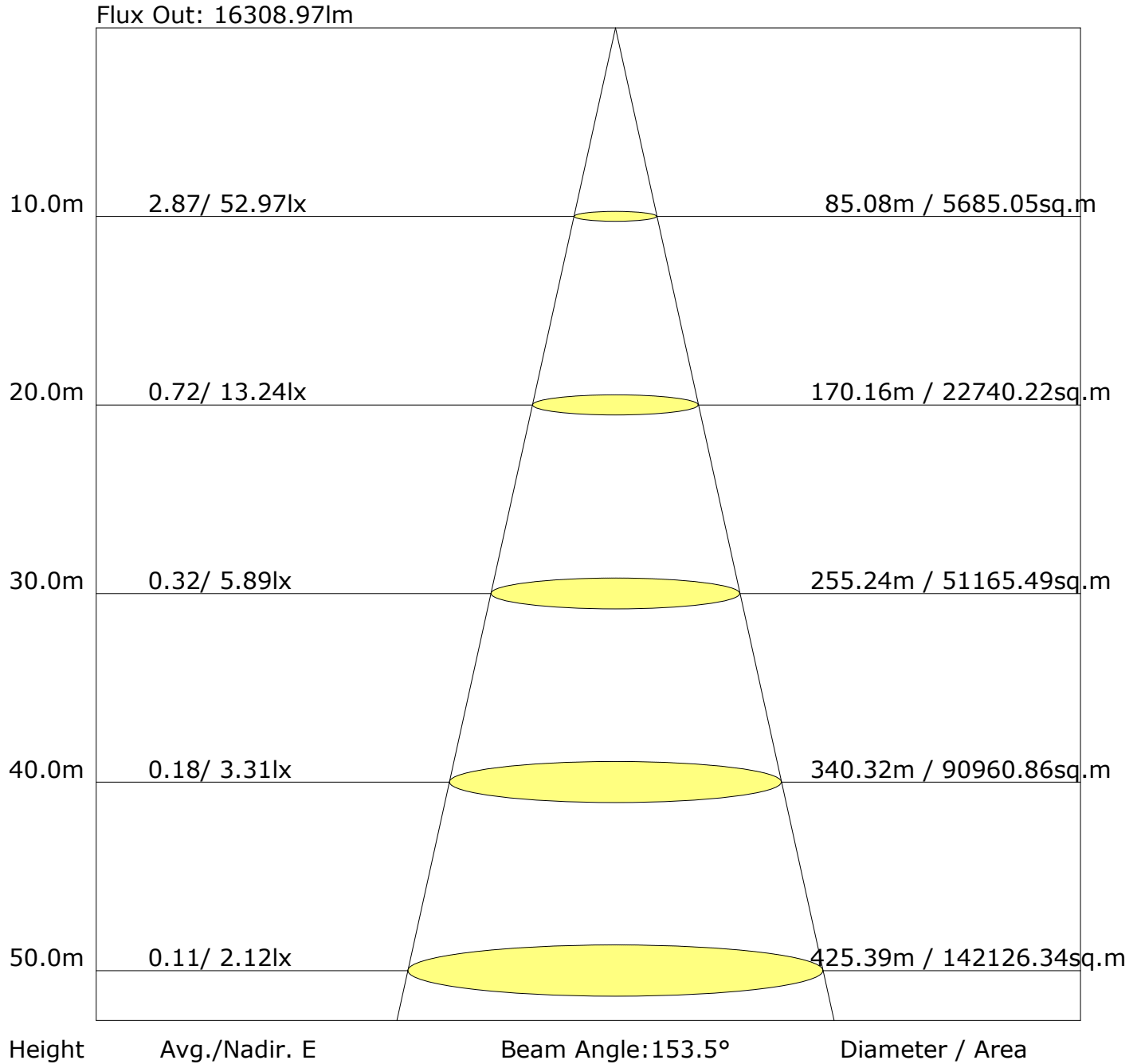
		Vertical plane																		
		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90
Flux(E)	0.0	92.8	104.9	123.9	142.48	172.2	228.0	283.3	328.0	328.0	127.0	62.50	52.19	42.07	30.04	15.00	6.66	2.91	0.34	0.0
Flux(T)	4.4	116.1	162.3	210.6	268.4	326.8	383.10	433.20	483.19	531.0	578.28	625.5	673.6	723.6	774.0	825.0	876.0	927.0	978.0	1029.0
Flux(T)/Flux(E)	4.4	1.26	1.54	1.82	2.10	2.38	2.66	2.94	3.22	3.50	3.78	4.06	4.34	4.62	4.90	5.18	5.46	5.74	6.02	6.30

Horizontal plane

C Plane (°):0.0-360.0: 15.0
Test Lab:
Test Type: TYPE C
Temperature: 22.1 °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

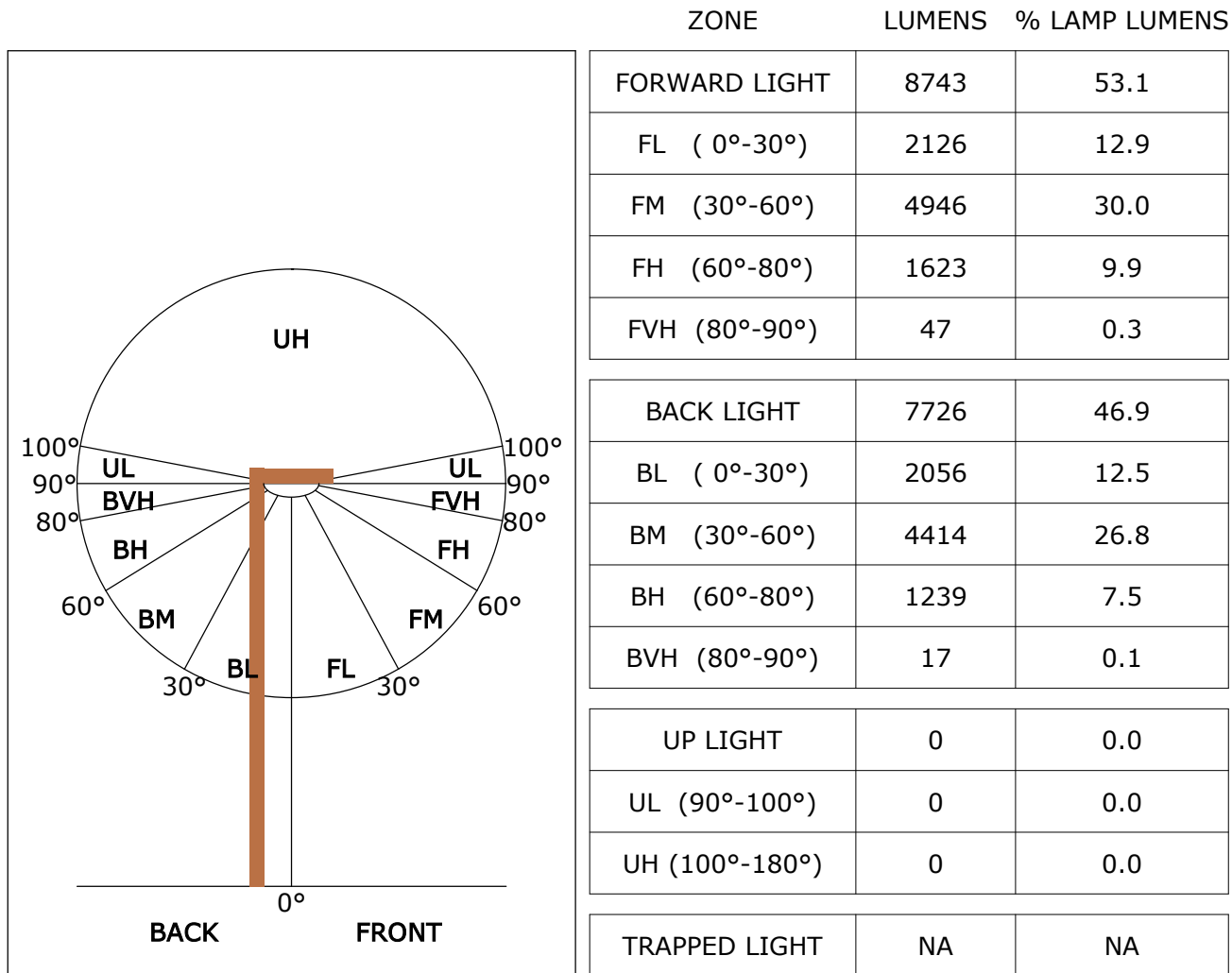


UGR Table

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

Calculate in accordance with CIE Pub.117. The table is revised with $16469lm$ ($8\log(F/F_0) = 9.7$).

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

C Plane (°):0.0-360.0: 15.0
Test Lab:
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Temperature: 22.1 'C
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