

Report No.:

Test Time: 2025/12/22 星期一 10:37

Luminaire Property

Luminaire Manufacturer:
Luminaire Category:
Lamp Catalog:
Number of Lamps:
Luminous Length (mm):
Luminous Height (mm):
Current: 0.9508 A
Power Factor: 0.9871

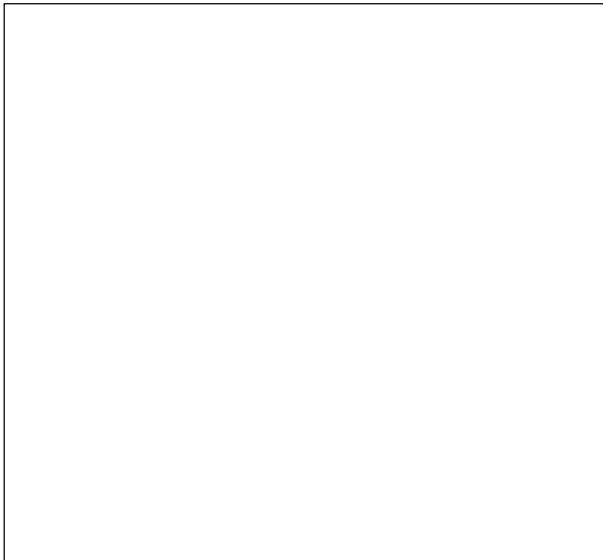
Luminaire Description: PSL007-200W
Lamp Description:
Lumens per Lamp:
Luminous Width (mm):
Voltage: 220.28 V
Power: 206.75 W

Photometric Results

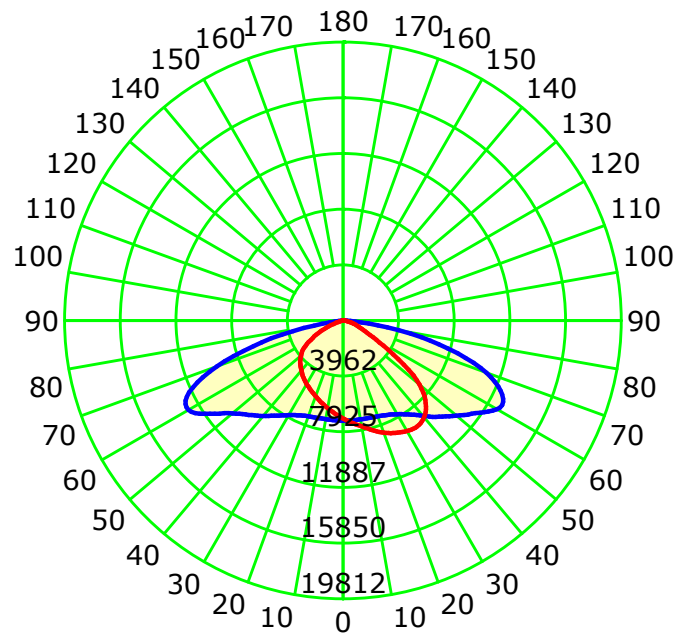
IES Classification: Type III
Total Rated Lamp Lumens: 32905.6 lm
Efficiency: 100%
Upward Ratio: 0%
C0r0 Intensity: 7134.02 cd
Pos of Max. Intensity: H15 V64
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 151.3, 96.0, 107.1, 111.8

Longitudinal Classification: Short
Measurement Flux: 32905.6 lm
Downward Ratio: 100%
Luminous Efficacy (lm/w): 159.16
Max. Intensity: 15850.09 cd

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

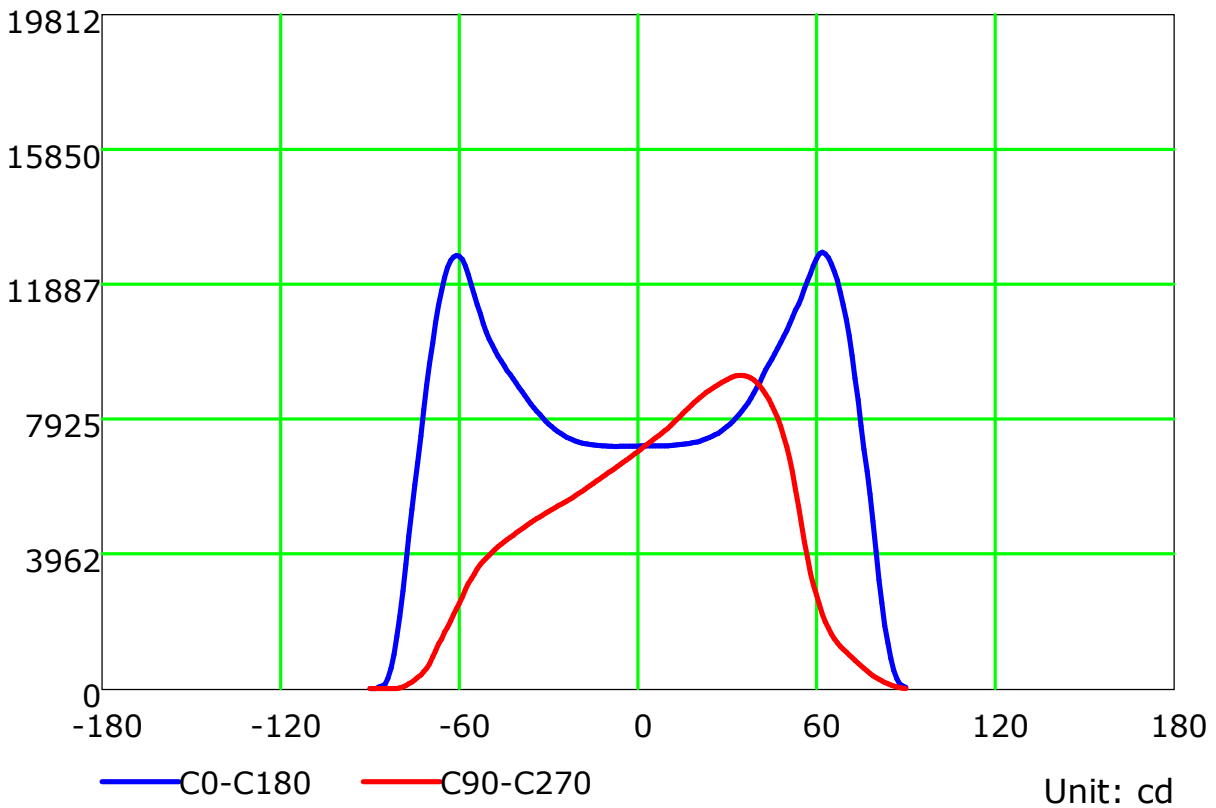
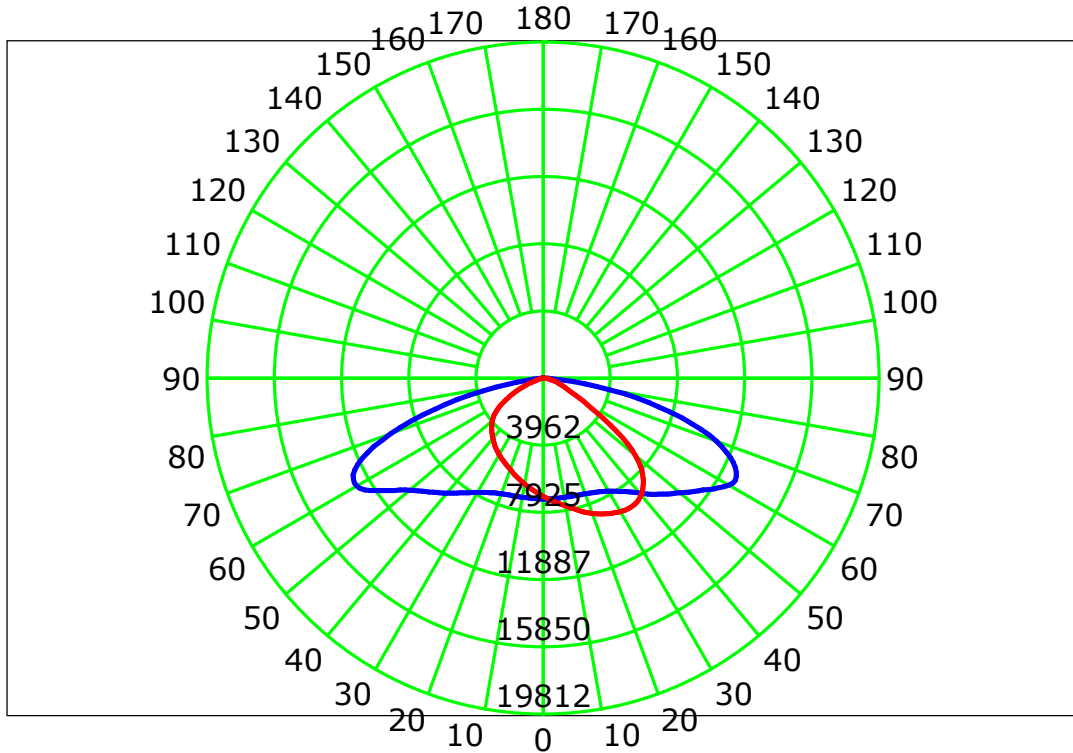
Average Diffuse Angle(50%): 123.6°

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 15.0
Test Lab:
Test Type: TYPE C
Temperature: 14.9 °C
Operator:

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

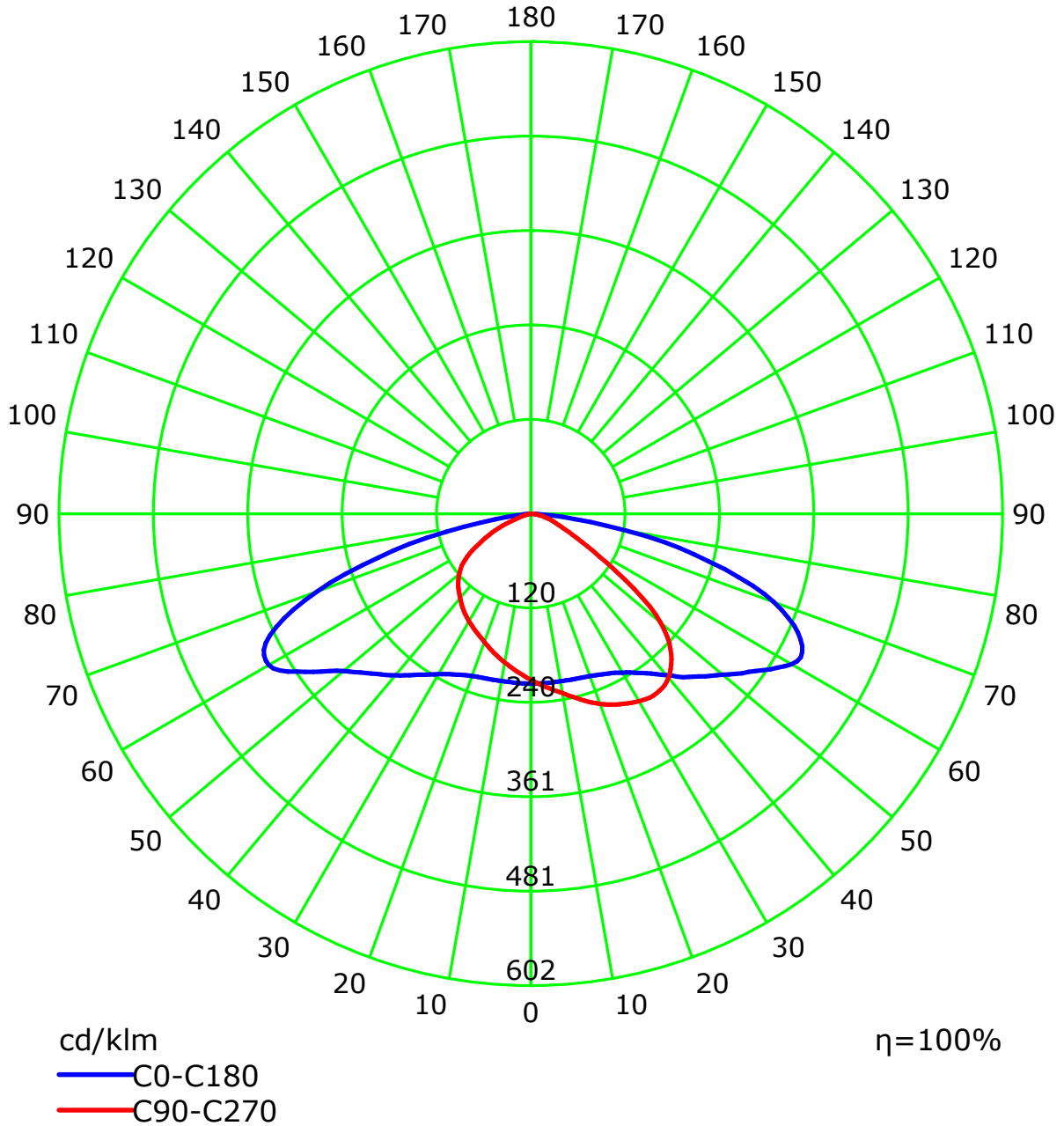
Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 15.0
Test Lab:
Test Type: TYPE C
Temperature: 14.9 °C
Operator:

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

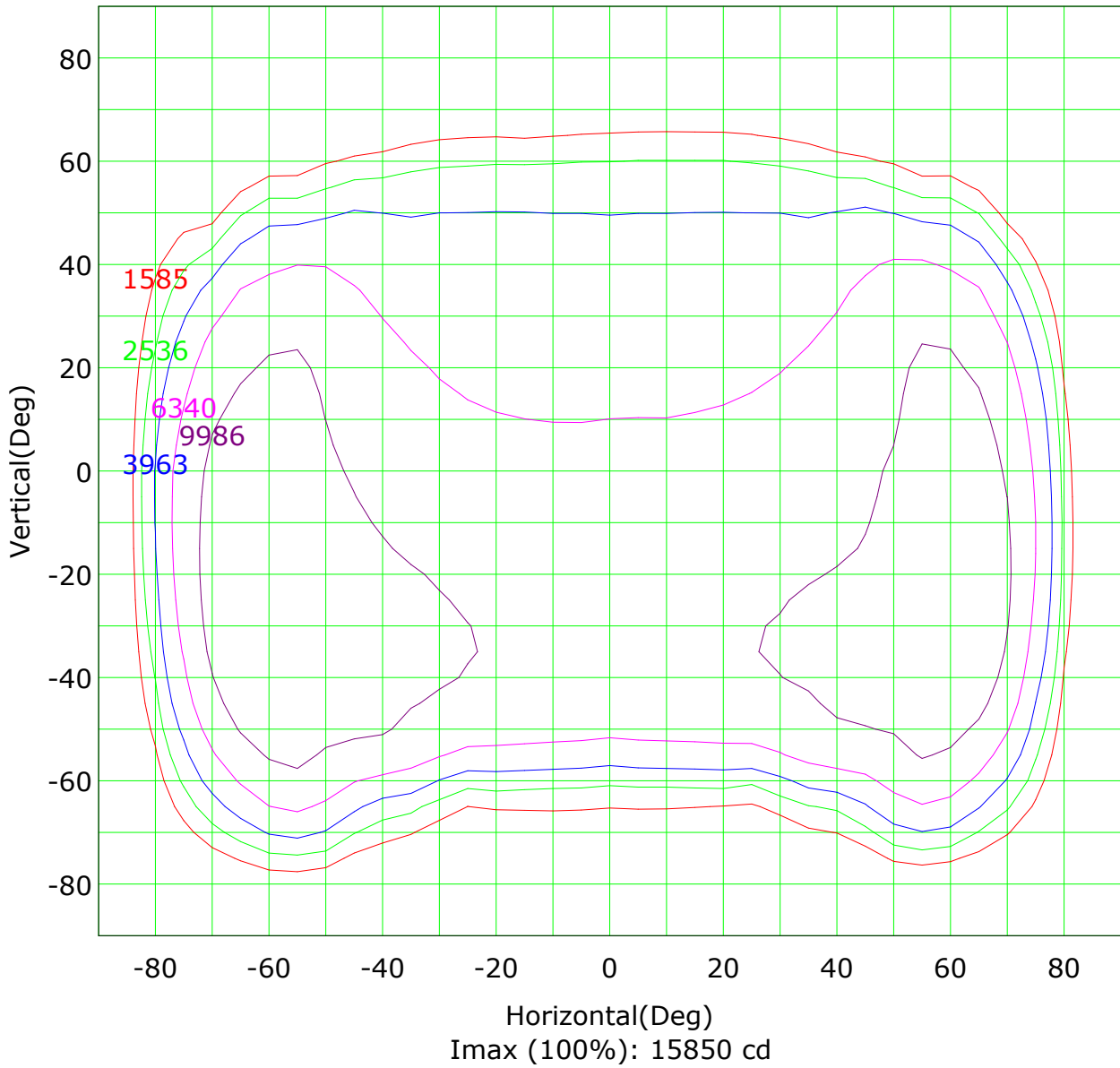
Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 15.0
Test Lab:
Test Type: TYPE C
Temperature: 14.9 °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)

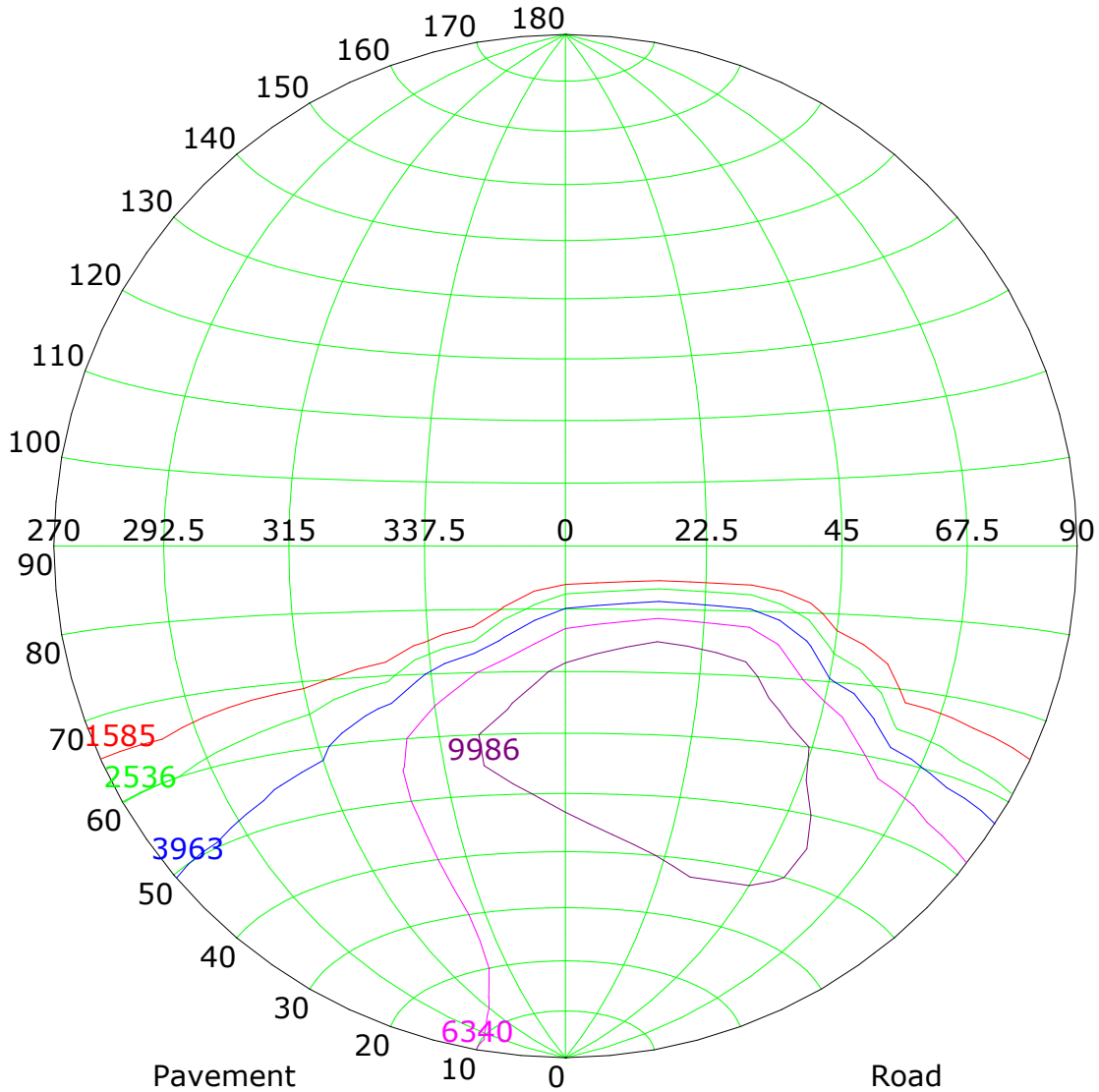


— (10%): 1585 cd	— (16%): 2536 cd
— (25%): 3963 cd	— (40%): 6340 cd
— (63%): 9986 cd	— (100%): 15850 cd

C Plane (°):0.0-360.0: 15.0
Test Lab:
Test Type: TYPE C
Temperature: 14.9 °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)



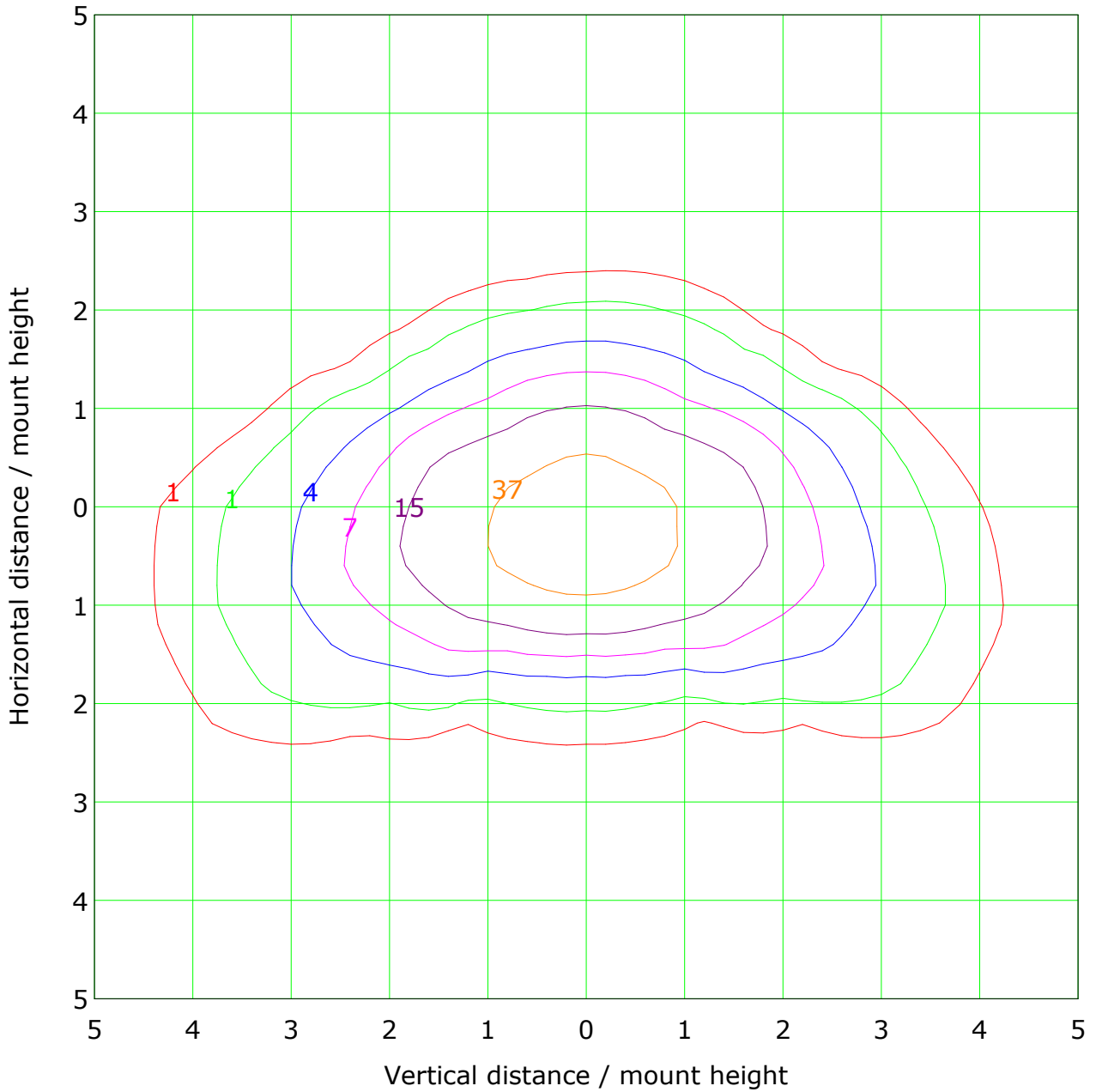
Imax (100%): 15850 cd

- | | |
|-------------------|--------------------|
| — (10%): 1585 cd | — (16%): 2536 cd |
| — (25%): 3963 cd | — (40%): 6340 cd |
| — (63%): 9986 cd | — (100%): 15850 cd |

CIE: narrow - intermediate
CIE: Non-cut-off luminaire
Max.At90: 2.065 cd/klm

IES: Semi-cut-off
Max.At80: 149.030 cd/klm
Max.80-90: 149.030 cd/klm

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 73.2 lx

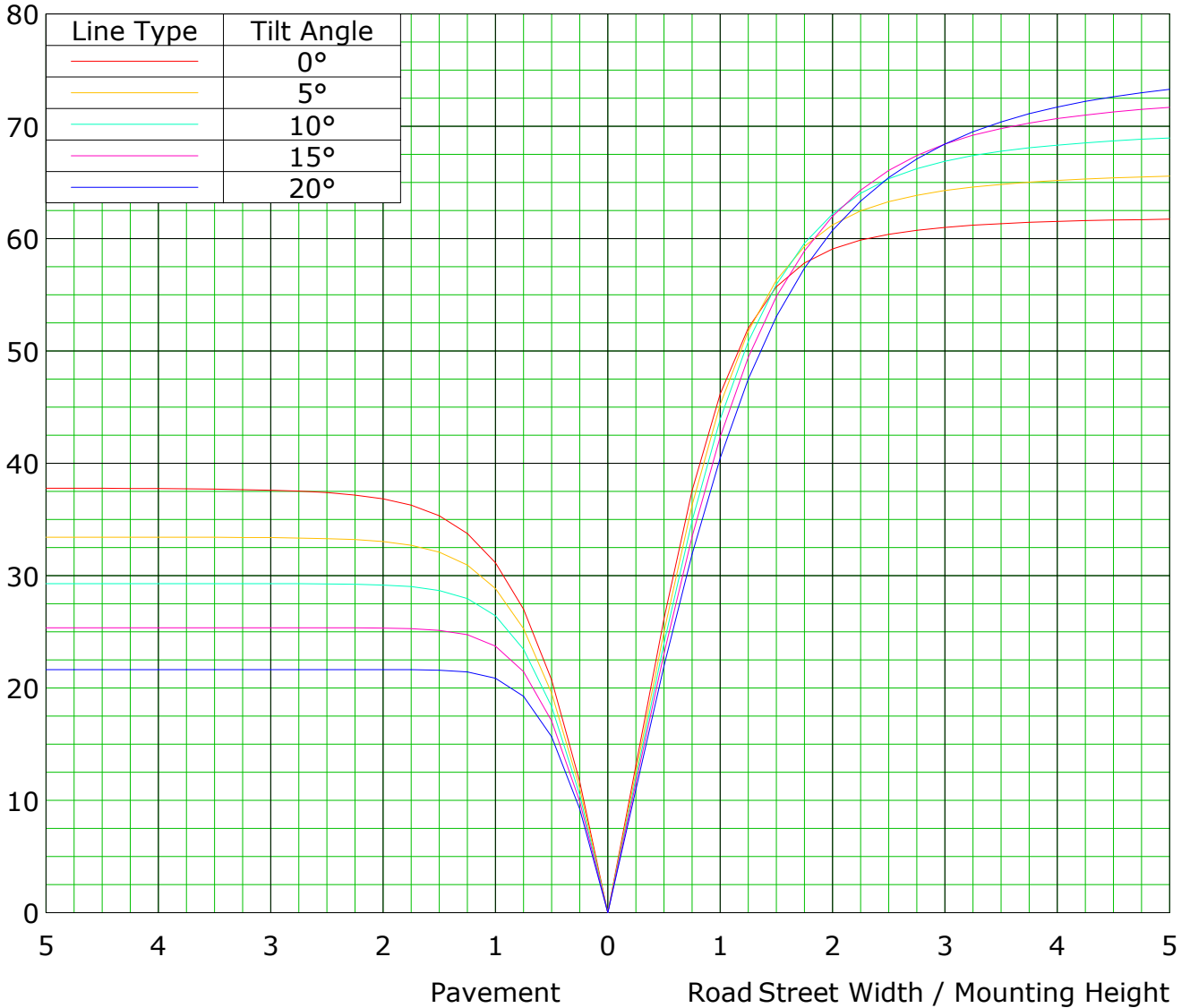
<p>— (1%): 0.7 lx</p> <p>— (5%): 3.7 lx</p> <p>— (20%): 14.6 lx</p> <p>— (100%): 73.2 lx</p>	<p>— (2%): 1.5 lx</p> <p>— (10%): 7.3 lx</p> <p>— (50%): 36.6 lx</p>
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C Plane (°):0.0-360.0: 15.0
Test Lab:
Test Type: TYPE C
Temperature: 14.9 °C
Operator:

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

Roadway CU Curve

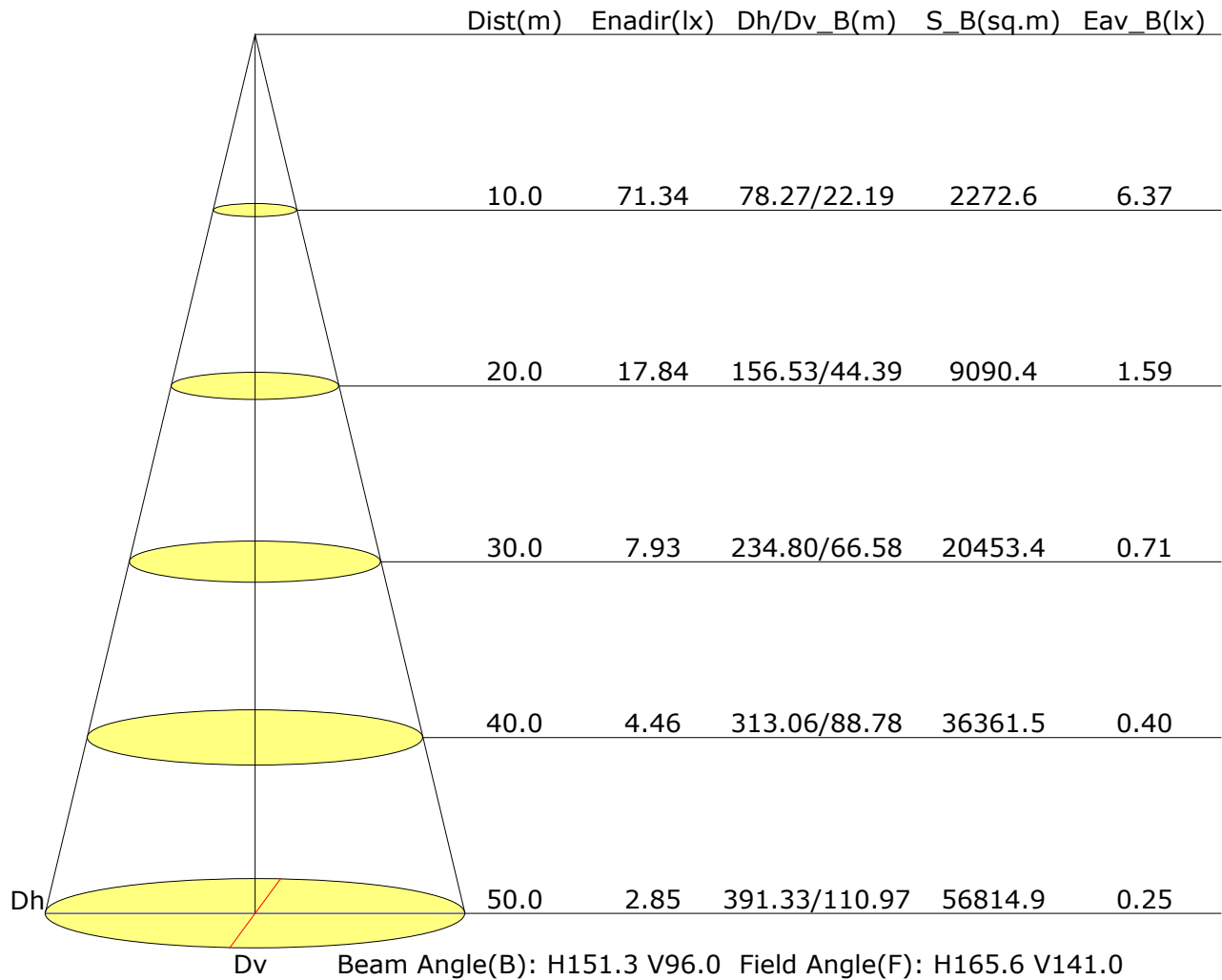
Efficiency(%)



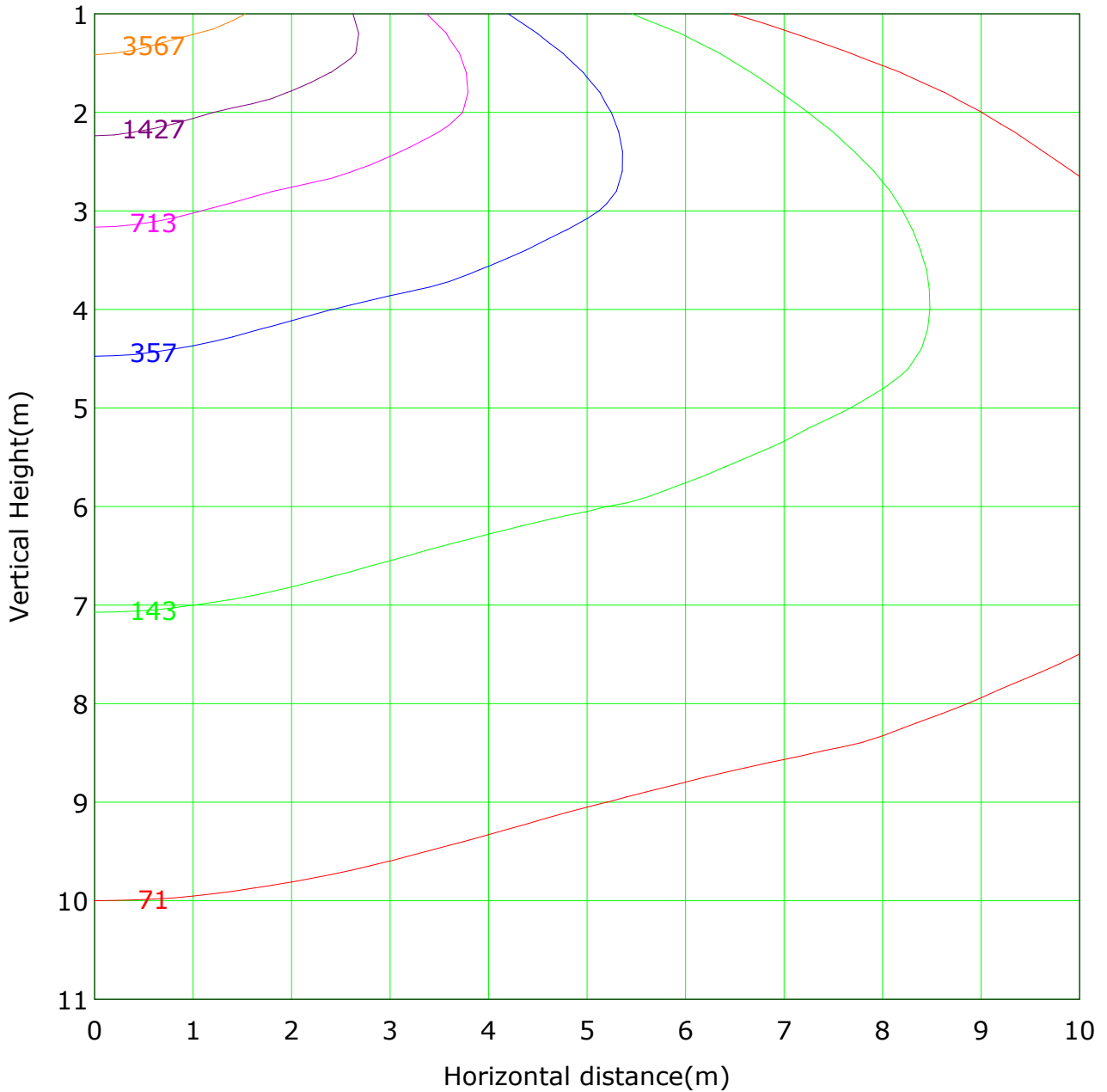
C Plane (°):0.0-360.0: 15.0
Test Lab:
Test Type: TYPE C
Temperature: 14.9 °C
Operator:

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: 7134.0 lx

— (1%): 71.3 lx	— (2%): 142.7 lx
— (5%): 356.7 lx	— (10%): 713.4 lx
— (20%): 1426.8 lx	— (50%): 3567.0 lx
— (100%): 7134.0 lx	

Area Flux Table

Unit: lm

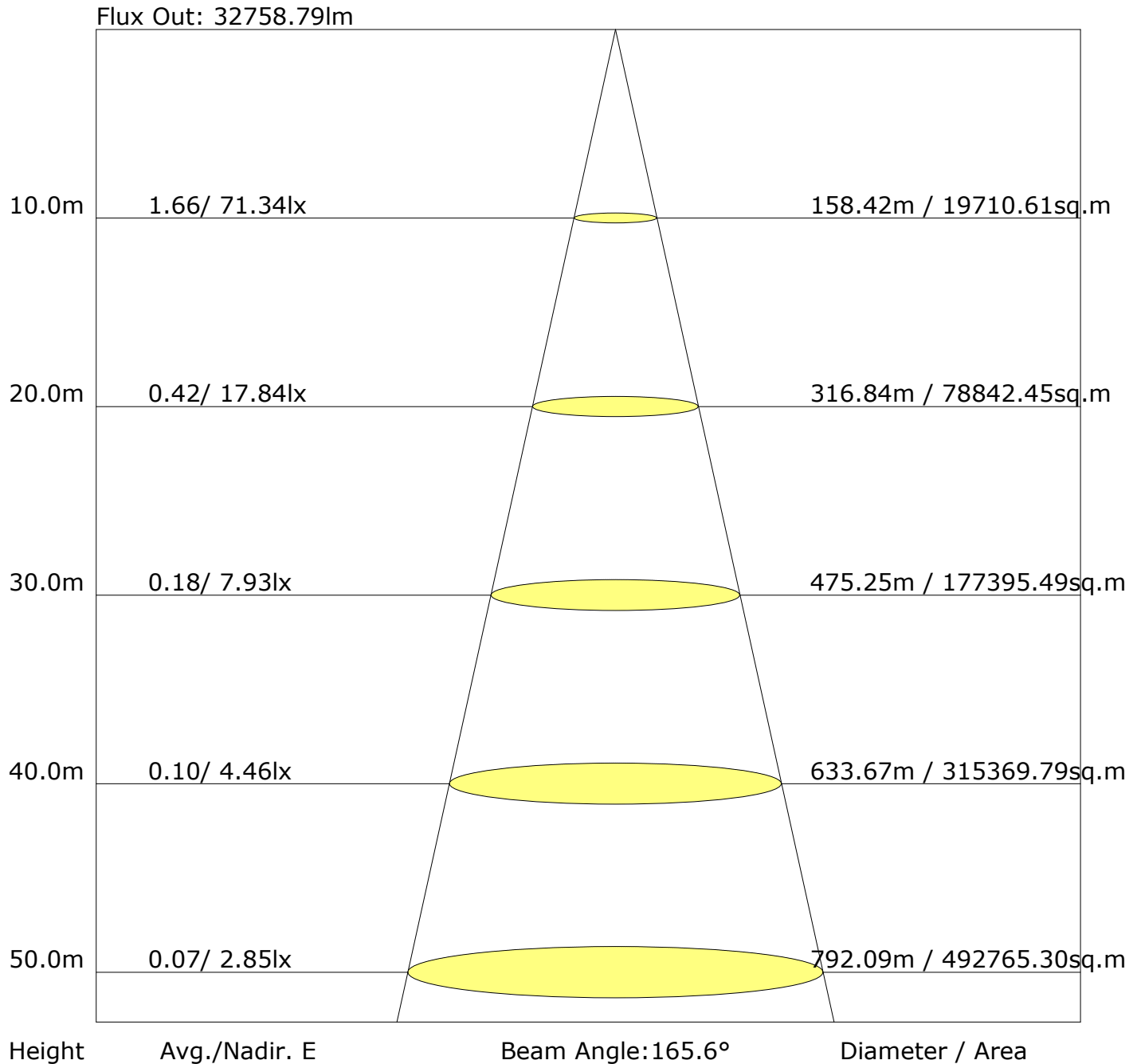
		Vertical plane																		
		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90
Flux(E)	3.8	406.0	484.2	518.7	530.0	530.0	530.5	529.8	537.2	541.7	542.1	539.0	533.6	538.3	541.9	527.2	556.3	551.8	625.2	32108
Flux(T)	17.2	431.0	510.2	221.8	342.2	235.9	236.3	243.8	248.6	249.1	245.8	240.3	243.7	246.2	230.6	559.1	354.2	3	32904	

Horizontal plane

C Plane (°):0.0-360.0: 15.0
Test Lab:
Test Type: TYPE C
Temperature: 14.9 °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

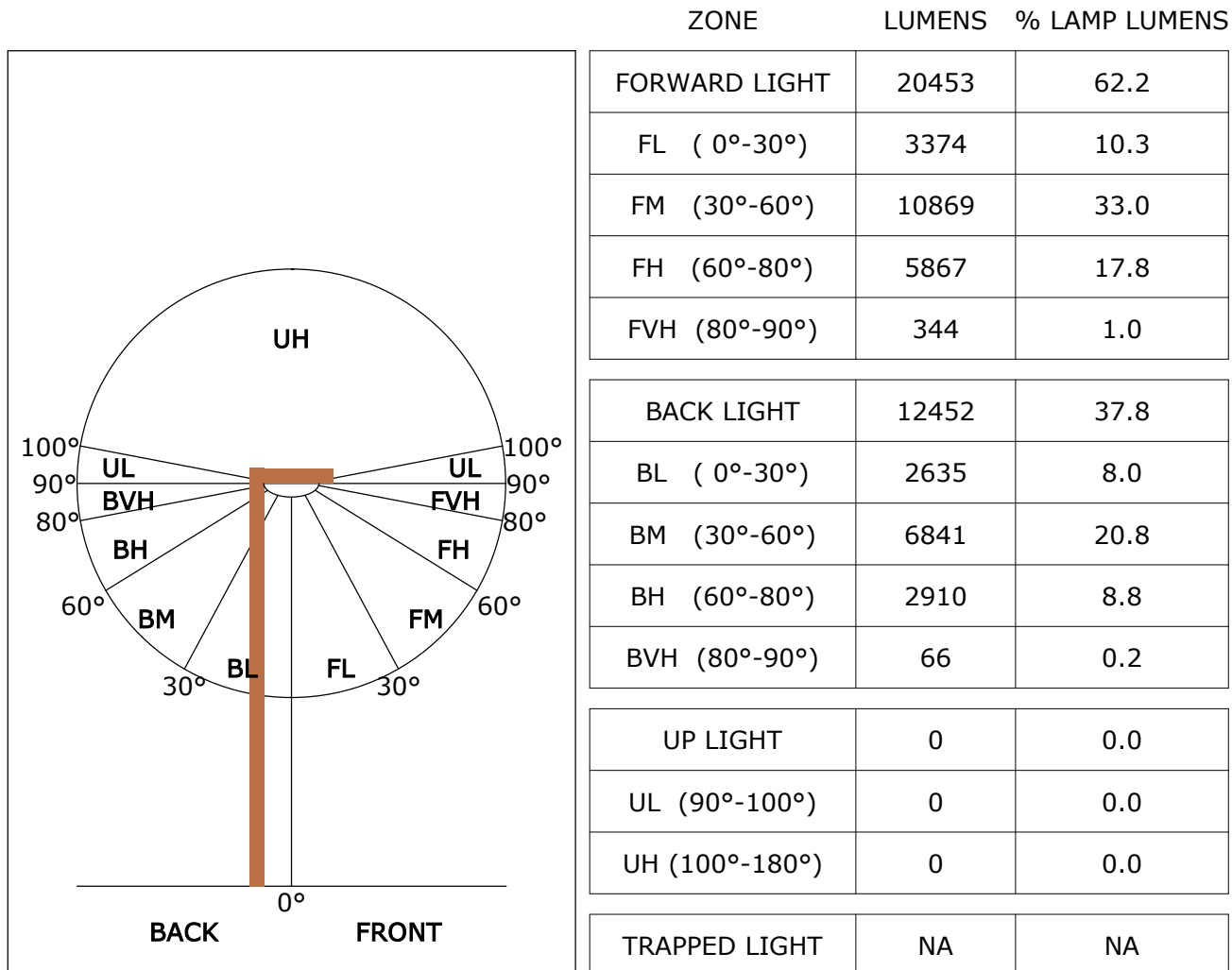


UGR Table

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 $32906lm$ ($8\log(F/F_0) = 12.1$).

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)	B4 U5 G4
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B4 U5 G3

C Plane (°):0.0-360.0: 15.0
Test Lab:
Test Type: TYPE C
Temperature: 14.9 °C
Operator:

Gamma Plane (°):0.0-90.0:1.0
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