

Report No.:

Test Time: 2025/12/20 星期六 15:12

Luminaire Property

Luminaire Manufacturer:
Luminaire Category:
Lamp Catalog:
Number of Lamps:
Luminous Length (mm):
Luminous Height (mm):
Current: 0.3921 A
Power Factor: 0.9935

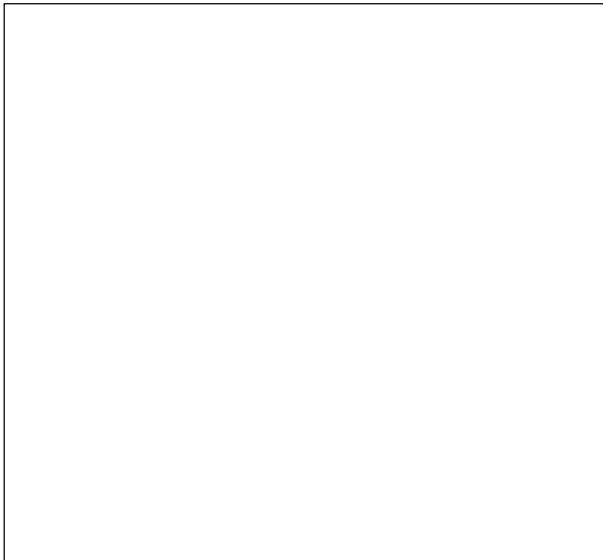
Luminaire Description: PSL007-80W
Lamp Description:
Lumens per Lamp:
Luminous Width (mm):
Voltage: 220.45 V
Power: 85.88 W

Photometric Results

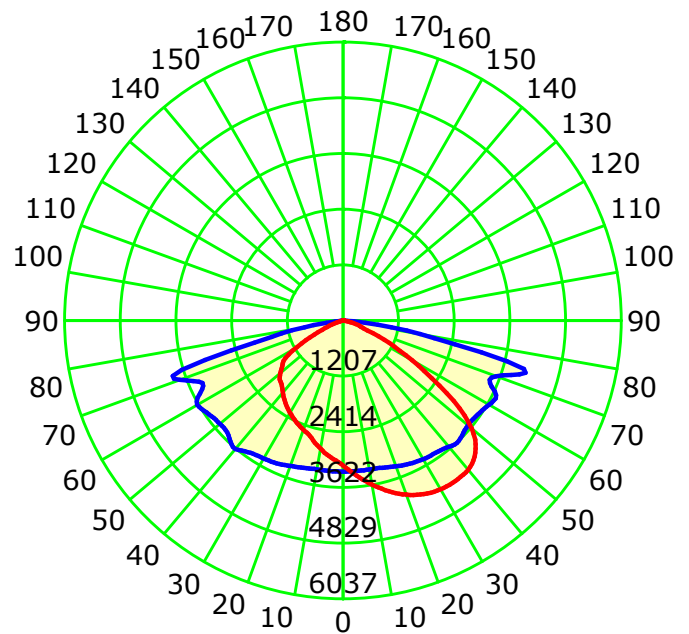
IES Classification: Type III
Total Rated Lamp Lumens: 13480.9 lm
Efficiency: 100%
Upward Ratio: 0%
C0r0 Intensity: 3277.2 cd
Pos of Max. Intensity: H165 V74
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 154.8, 94.8, 107.3, 111.6

Longitudinal Classification: Medium
Measurement Flux: 13480.9 lm
Downward Ratio: 100%
Luminous Efficacy (lm/w): 156.97
Max. Intensity: 4829.92 cd

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

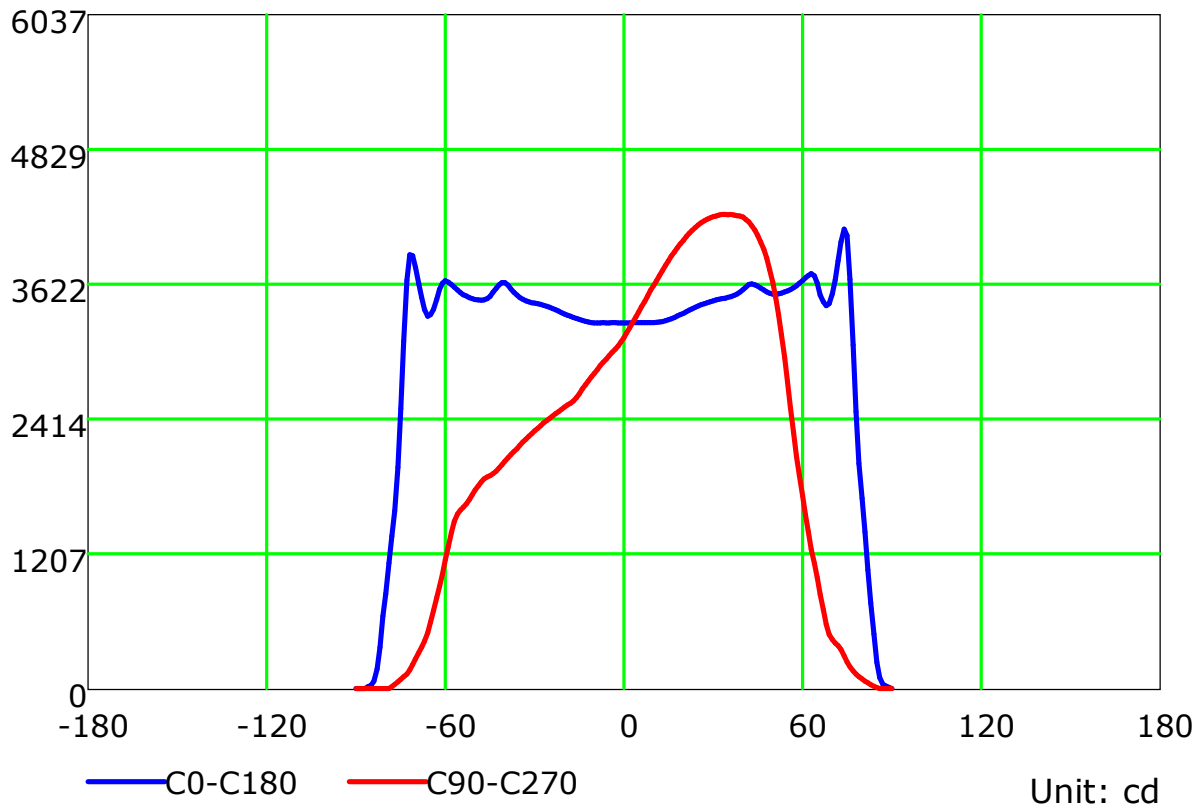
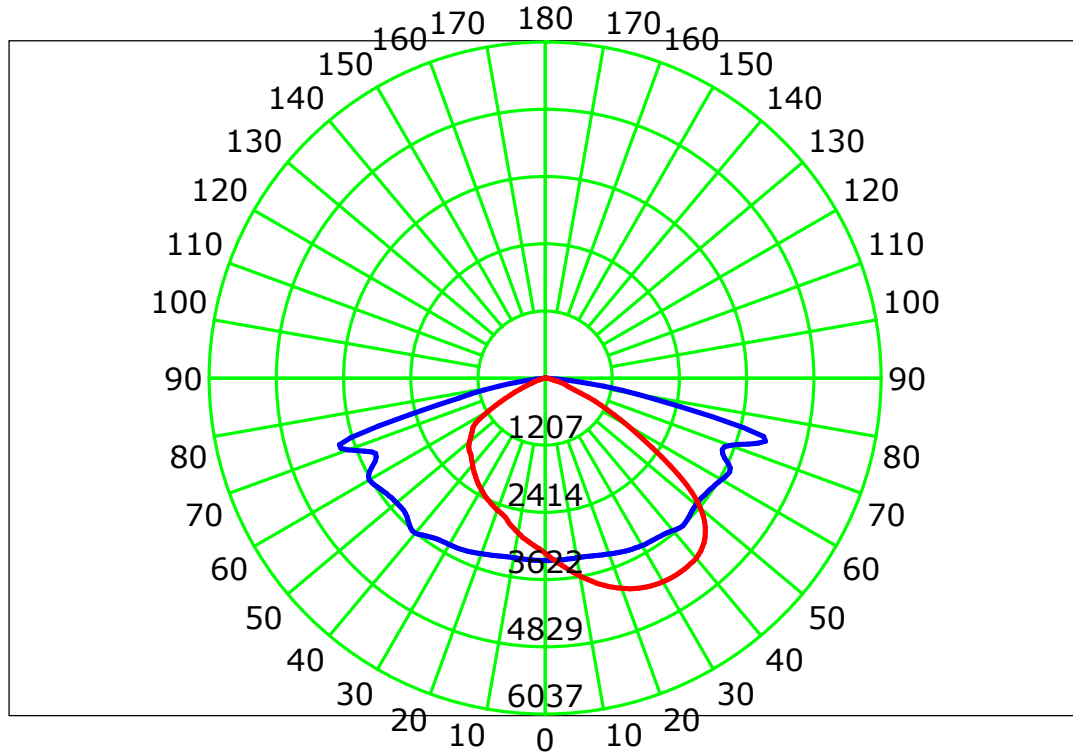
Average Diffuse Angle(50%): 124.8°

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 15.0
Test Lab:
Test Type: TYPE C
Temperature: 18.1 °C
Operator:

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

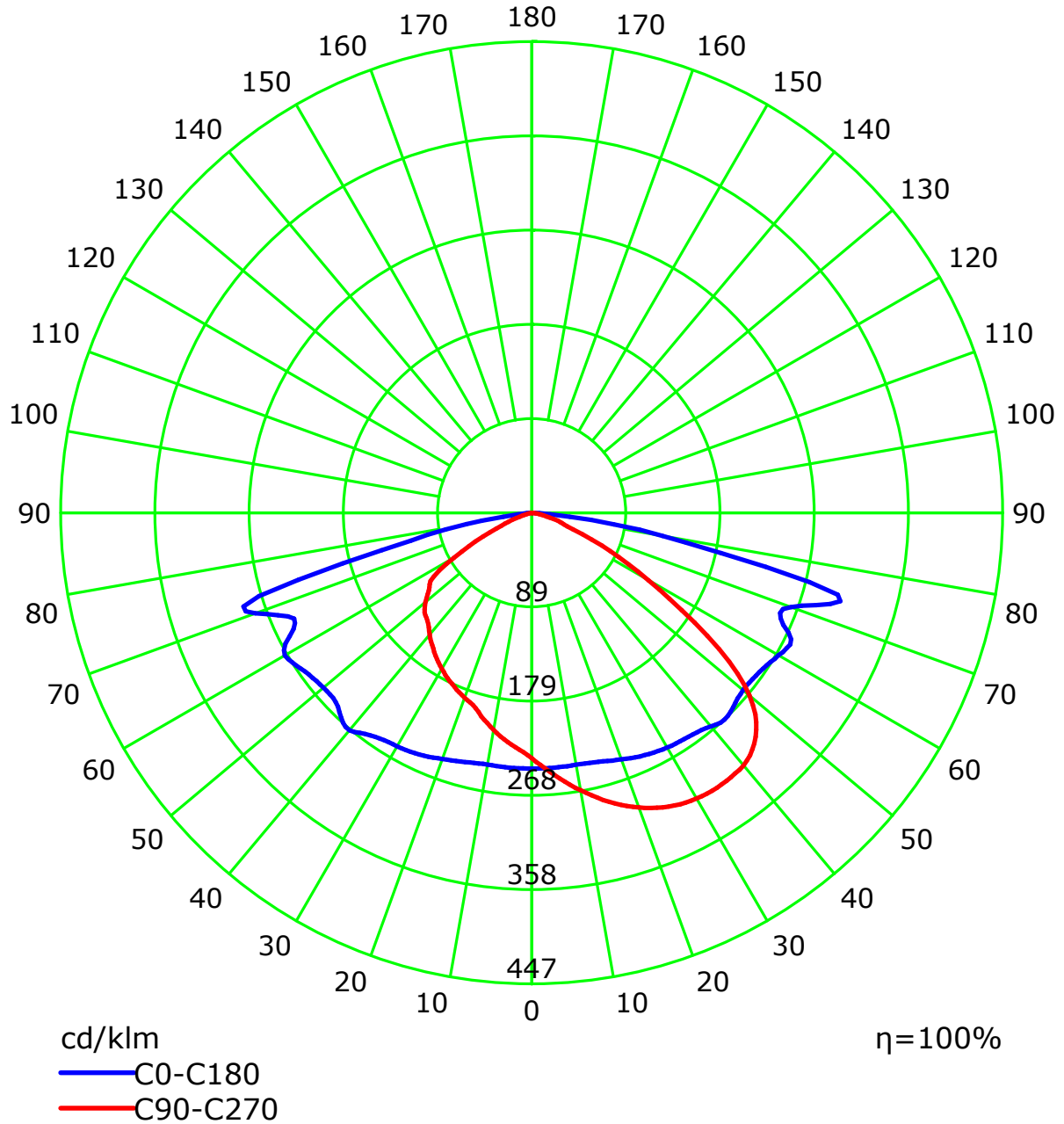
Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 15.0
Test Lab:
Test Type: TYPE C
Temperature: 18.1 °C
Operator:

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

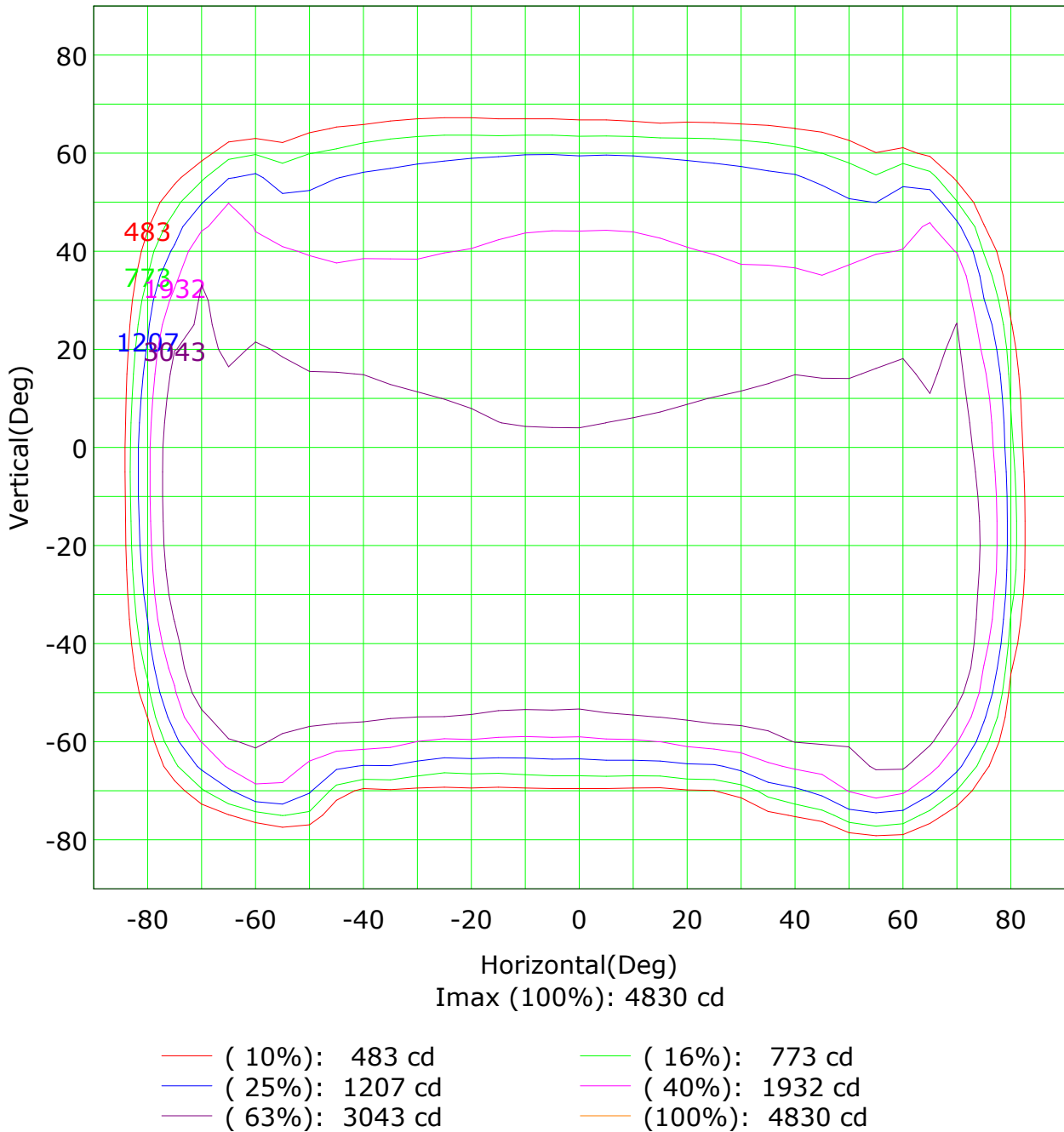
Luminous Intensity Distribution Curve(cd/klm)



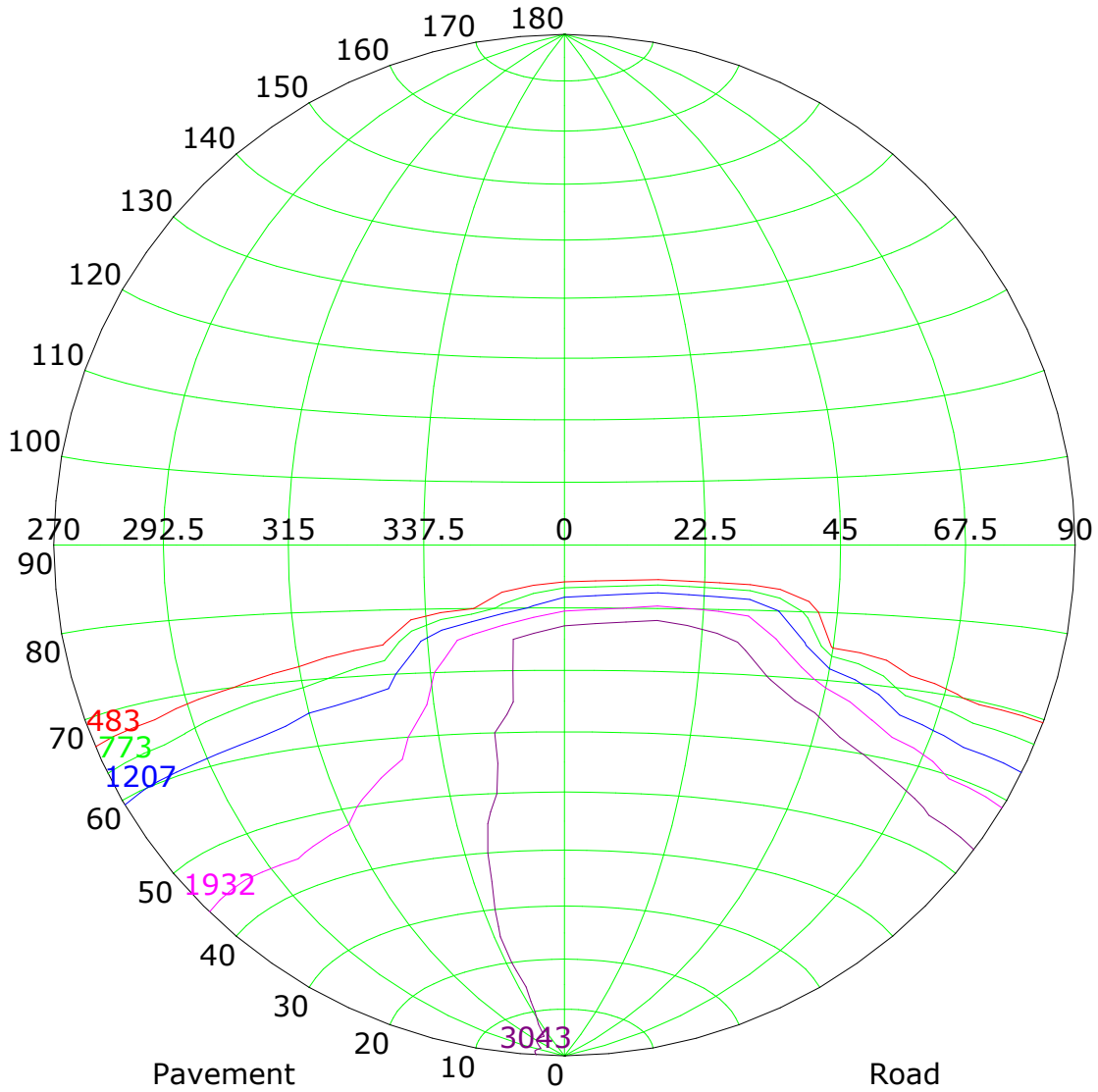
C Plane (°):0.0-360.0: 15.0
Test Lab:
Test Type: TYPE C
Temperature: 18.1 'C
Operator:

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

Isocandela (rectangle)



Isocandela (sphere)



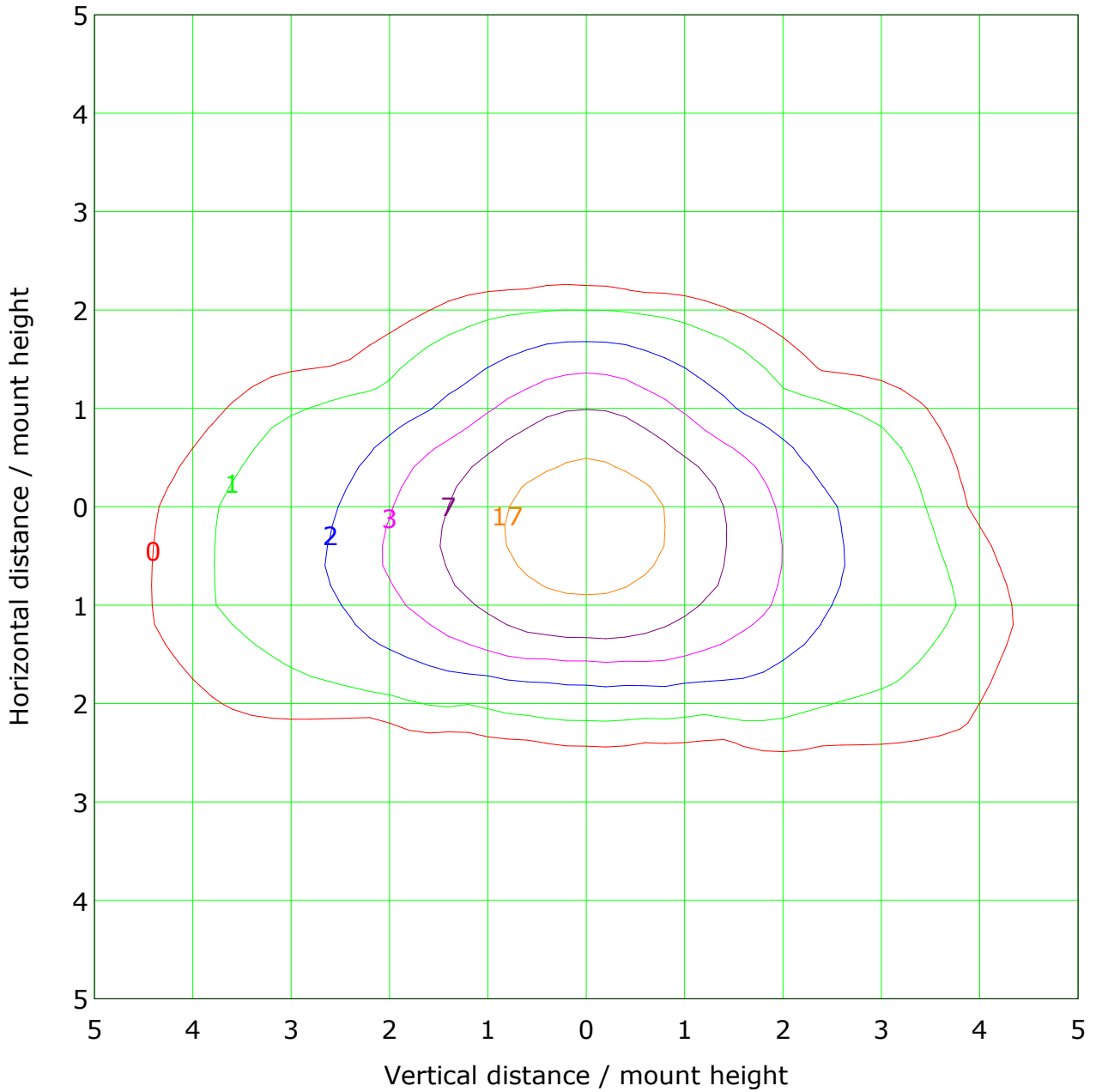
Imax (100%): 4830 cd

- | | |
|-------------------|-------------------|
| — (10%): 483 cd | — (16%): 773 cd |
| — (25%): 1207 cd | — (40%): 1932 cd |
| — (63%): 3043 cd | — (100%): 4830 cd |

CIE: average - long
CIE: Non-cut-off luminaire
Max.At90: 0.000 cd/klm

IES: Semi-cut-off
Max.At80: 159.362 cd/klm
Max.80-90: 159.362 cd/klm

IsoLux Plot



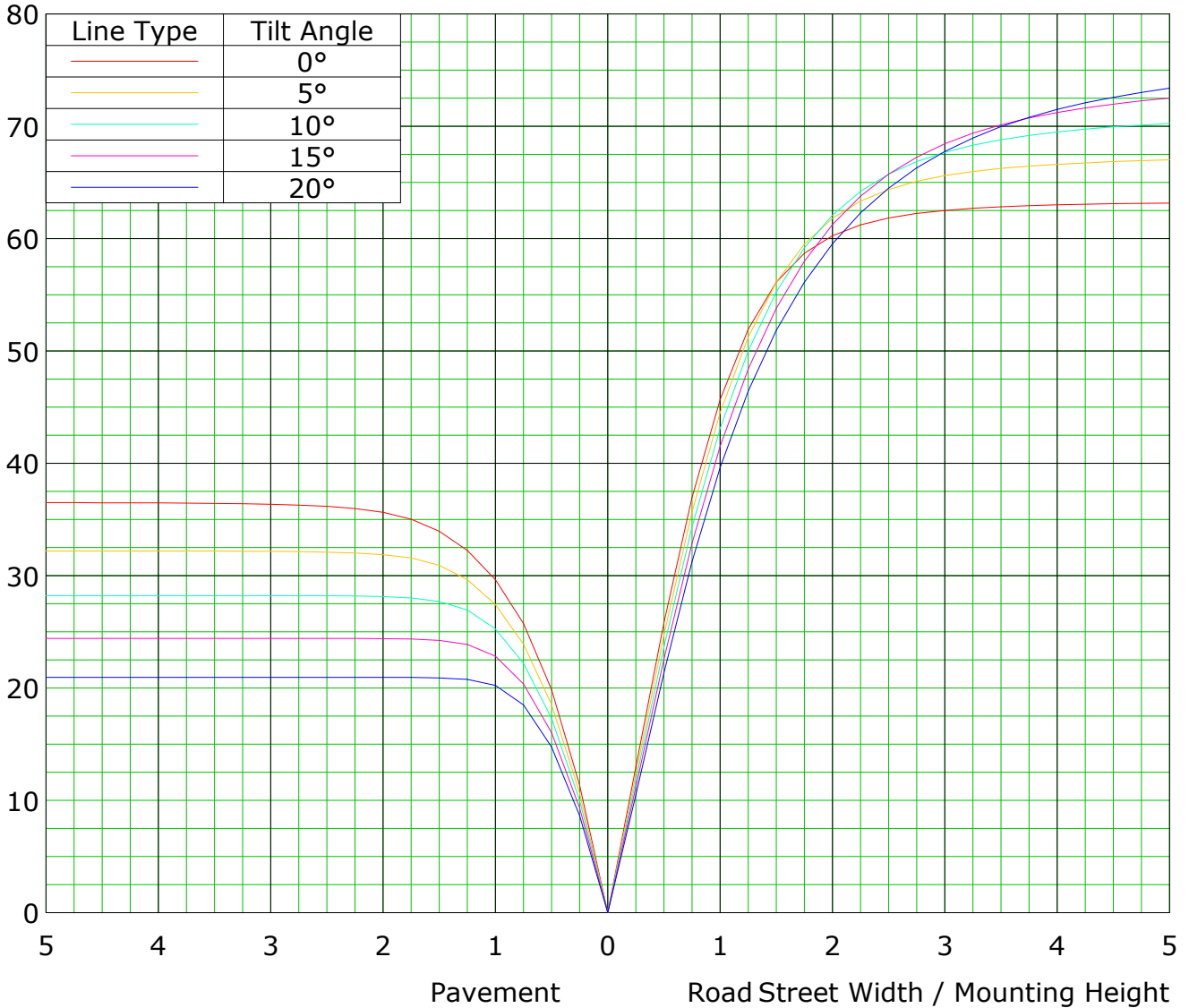
Mounting Height: 10.0m		Max Lux(100%): 34.8 lx	
— (1%): 0.3 lx	— (2%): 0.7 lx	— (10%): 3.5 lx	— (50%): 17.4 lx
— (5%): 1.7 lx			
— (20%): 7.0 lx			
— (100%): 34.8 lx			

C Plane (°):0.0-360.0: 15.0
 Test Lab:
 Test Type: TYPE C
 Temperature: 18.1 °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

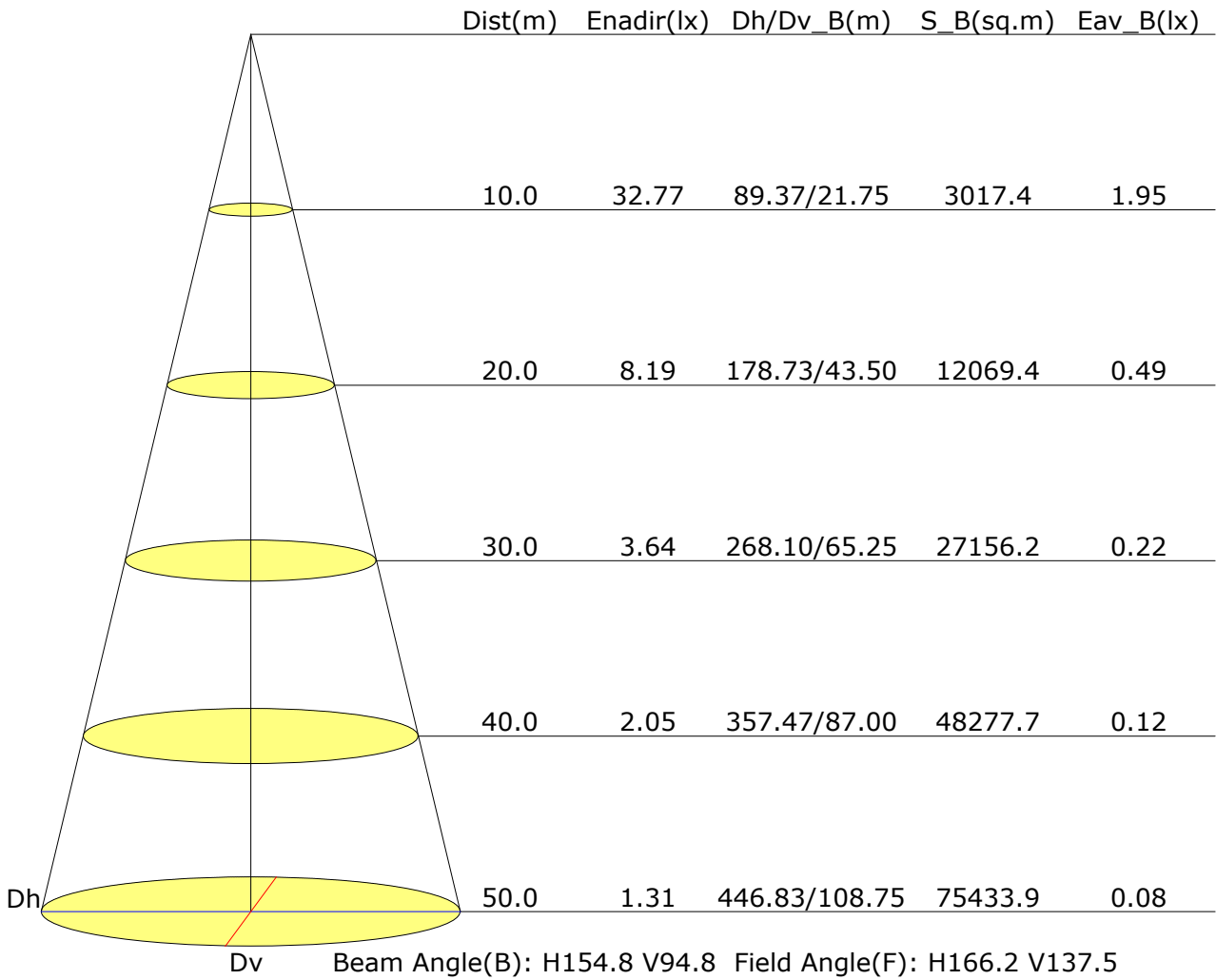
Efficiency(%)



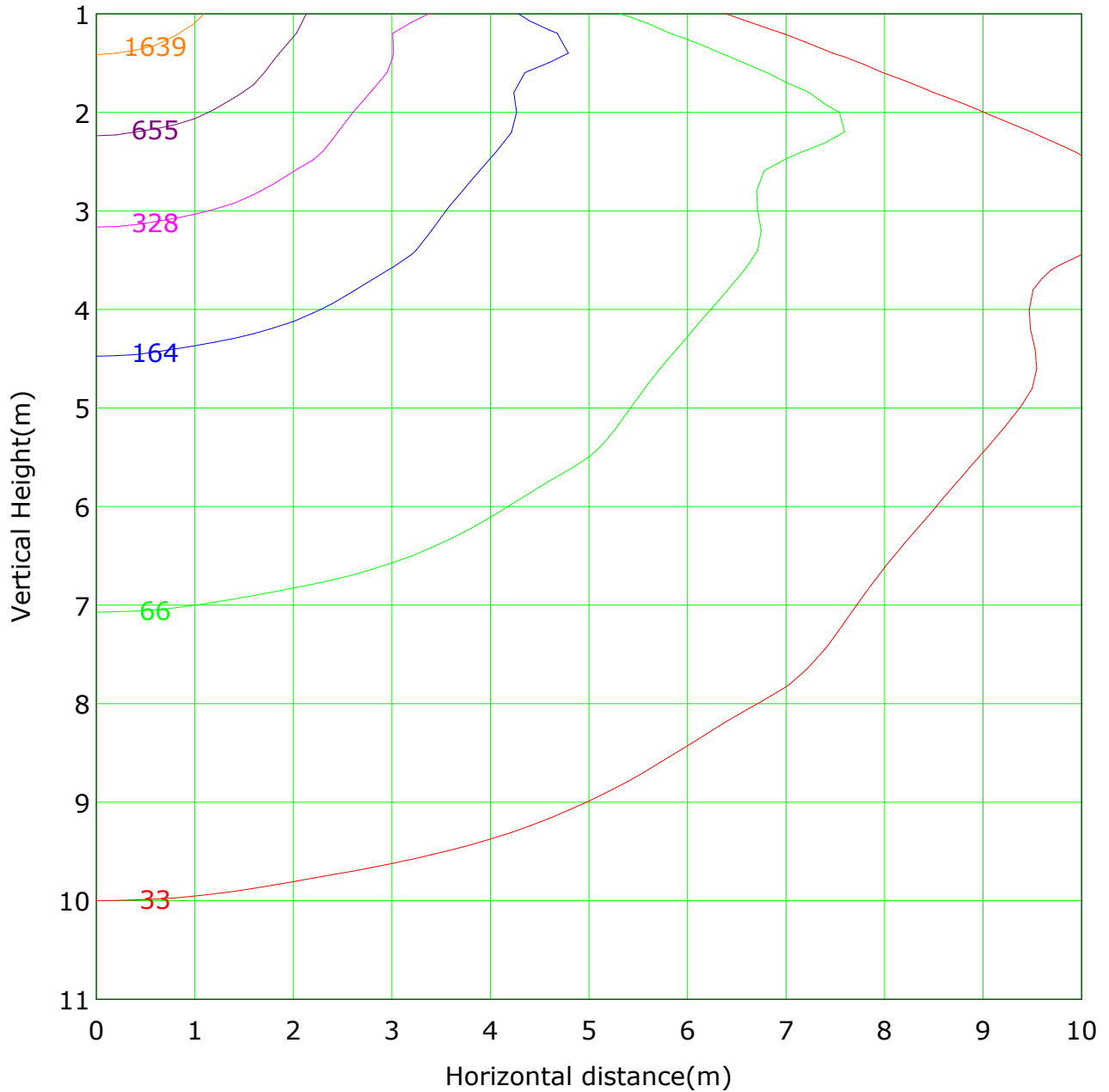
C Plane (°):0.0-360.0: 15.0
Test Lab:
Test Type: TYPE C
Temperature: 18.1 'C
Operator:

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: 3277.2 lx

— (1%): 32.8 lx	— (2%): 65.5 lx
— (5%): 163.9 lx	— (10%): 327.7 lx
— (20%): 655.4 lx	— (50%): 1638.6 lx
— (100%): 3277.2 lx	

Area Flux Table

Unit: lm

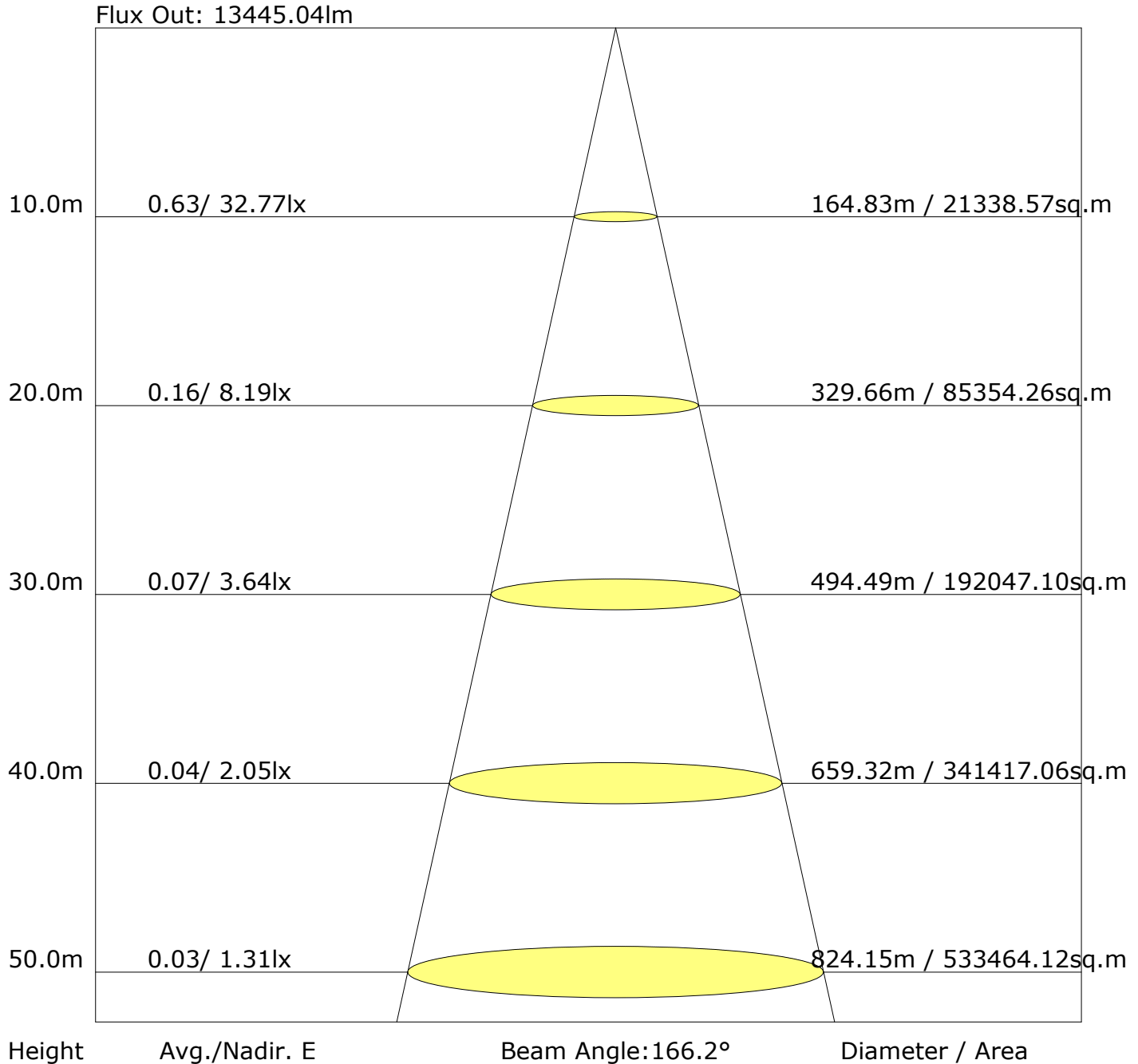
		Vertical plane																																																							
		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90																																					
Flux(E)	3.0	192.4	527.4	733.6	872.2	987.1	1060.0	1117.9	1146.4	1142.6	1114.7	1059.3	9969.0	850.0	727.9	541.5	244.1	12.0	Flux(T)	6.2	198.0	532.9	740.9	881.0	998.0	1073.1	1133.1	1163.3	1160.2	1131.2	1073.3	9981.2	860.4	735.2	547.3	249.1	Flux(T)	90	0.0	0.2	0.7	1.6	1.0	0.8	0.8	0.8	0.7	0.7	0.8	0.8	0.7	0.7	0.8	0.5	0.1	0.0	0.0
Flux(E)	3.0	192.4	527.4	733.6	872.2	987.1	1060.0	1117.9	1146.4	1142.6	1114.7	1059.3	9969.0	850.0	727.9	541.5	244.1	12.0	Flux(T)	90	0.0	0.2	0.7	1.6	1.0	0.8	0.8	0.7	0.7	0.8	0.8	0.7	0.7	0.8	0.5	0.1	0.0	0.0	0.0																		
Flux(E)	3.0	192.4	527.4	733.6	872.2	987.1	1060.0	1117.9	1146.4	1142.6	1114.7	1059.3	9969.0	850.0	727.9	541.5	244.1	12.0	Flux(T)	90	0.0	0.2	0.7	1.6	1.0	0.8	0.8	0.7	0.7	0.8	0.8	0.7	0.7	0.8	0.5	0.1	0.0	0.0	0.0																		

Horizontal plane

C Plane (°):0.0-360.0: 15.0
Test Lab:
Test Type: TYPE C
Temperature: 18.1 °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

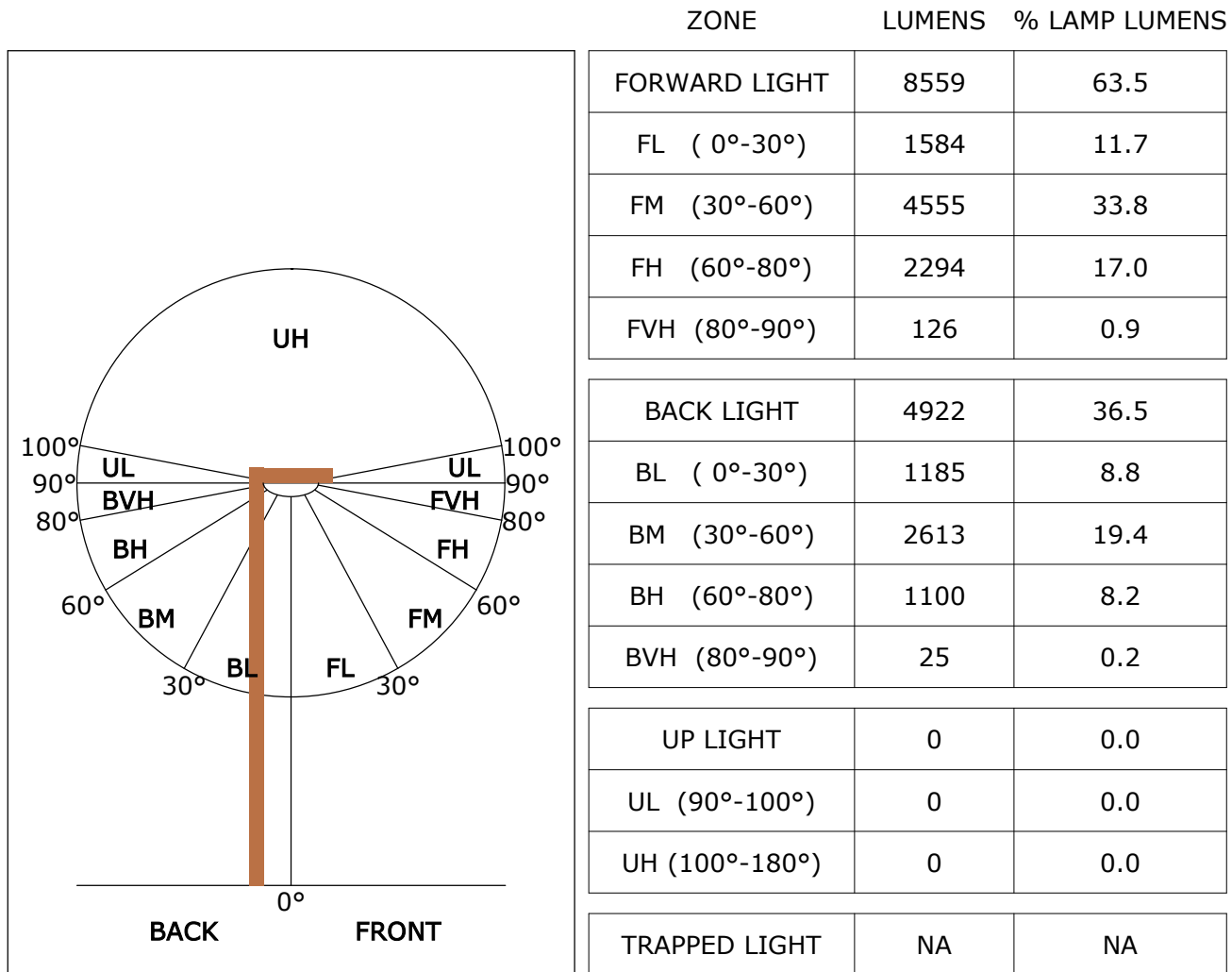


UGR Table

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 13481lm ($8\log(F/F_0) = 9.0$).

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 U2 G3
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B3 U2 G2

C Plane (°):0.0-360.0: 15.0
Test Lab:
Test Type: TYPE C
Temperature: 18.1 'C
Operator:

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

