

Report No.:

Test Time: 2025/10/31 星期五 13:58

## Luminaire Property

Luminaire Manufacturer:  
Luminaire Category:  
Lamp Catalog:  
Number of Lamps:  
Luminous Length (mm):  
Luminous Height (mm):  
Current: 0.8915 A  
Power Factor: 0.9858

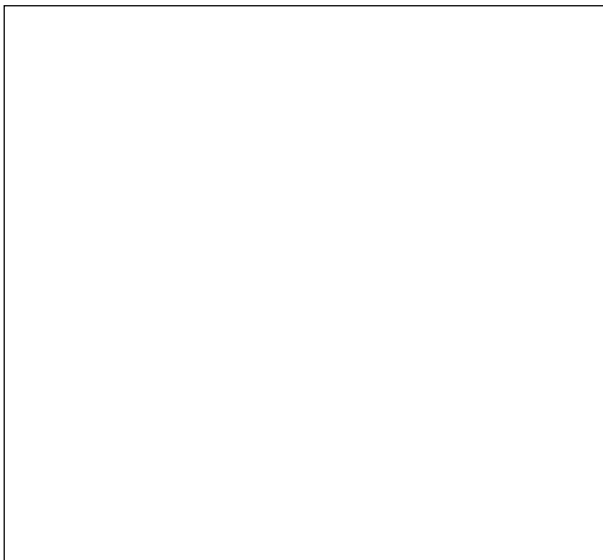
Luminaire Description: XSL002-200W  
Lamp Description:  
Lumens per Lamp:  
Luminous Width (mm):  
Voltage: 220.02 V  
Power: 193.37 W

## Photometric Results

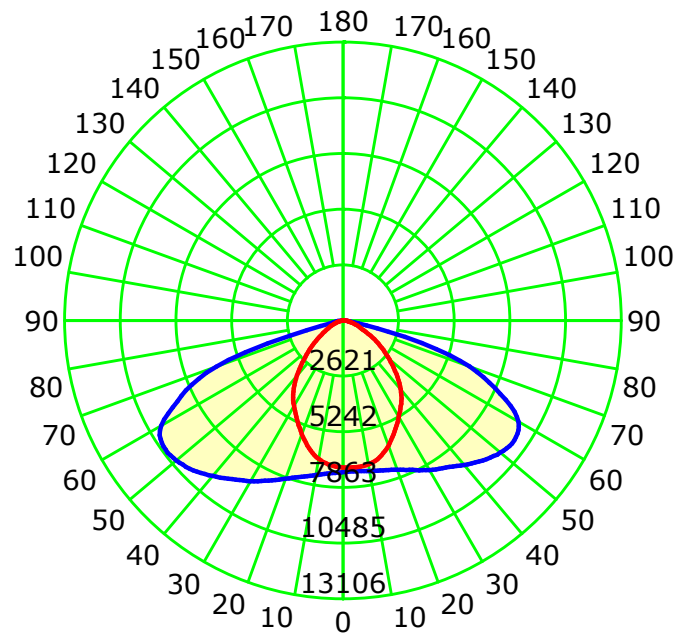
IES Classification: Type I  
Total Rated Lamp Lumens: 21826.7 lm  
Efficiency: 100%  
Upward Ratio: 0%  
C0r0 Intensity: 7135.62 cd  
Pos of Max. Intensity: H165 V46  
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 143.8, 85.1, 101.9, 93.5

Longitudinal Classification: Short  
Measurement Flux: 21826.7 lm  
Downward Ratio: 100%  
Luminous Efficacy (lm/w): 112.88  
Max. Intensity: 10485.25 cd

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

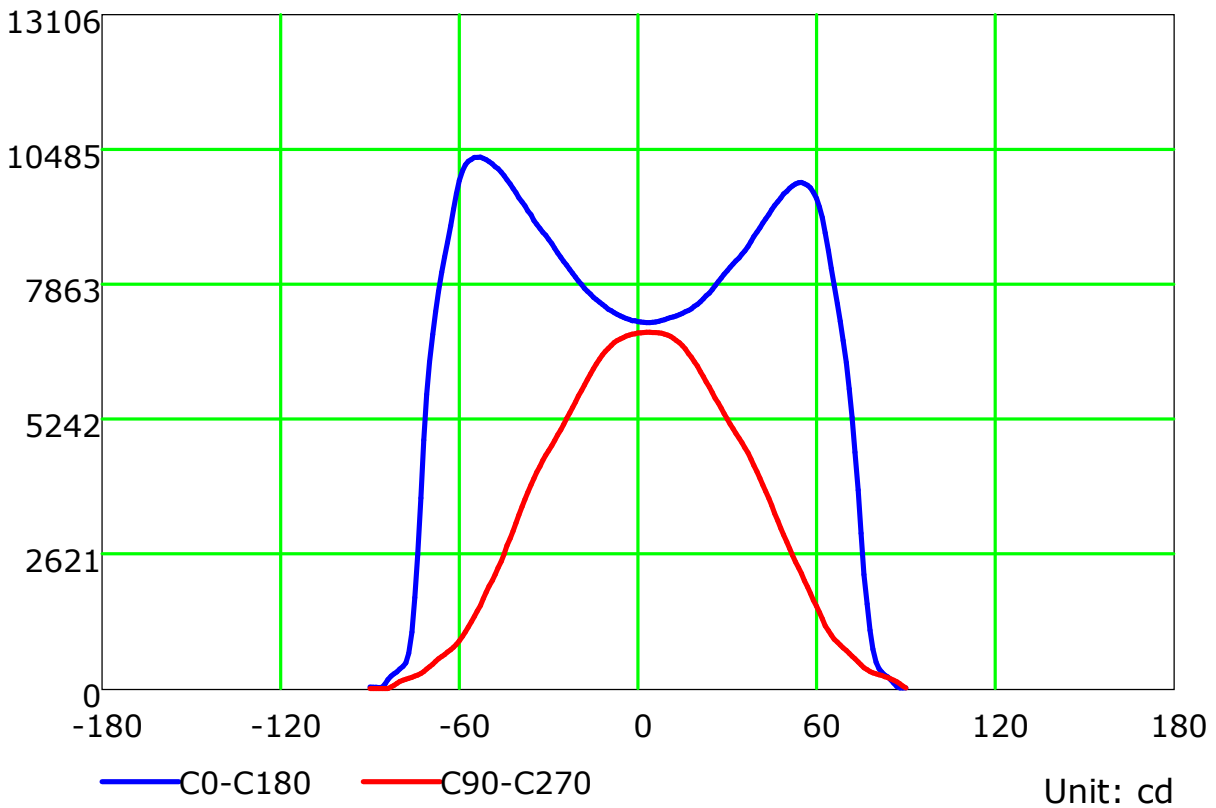
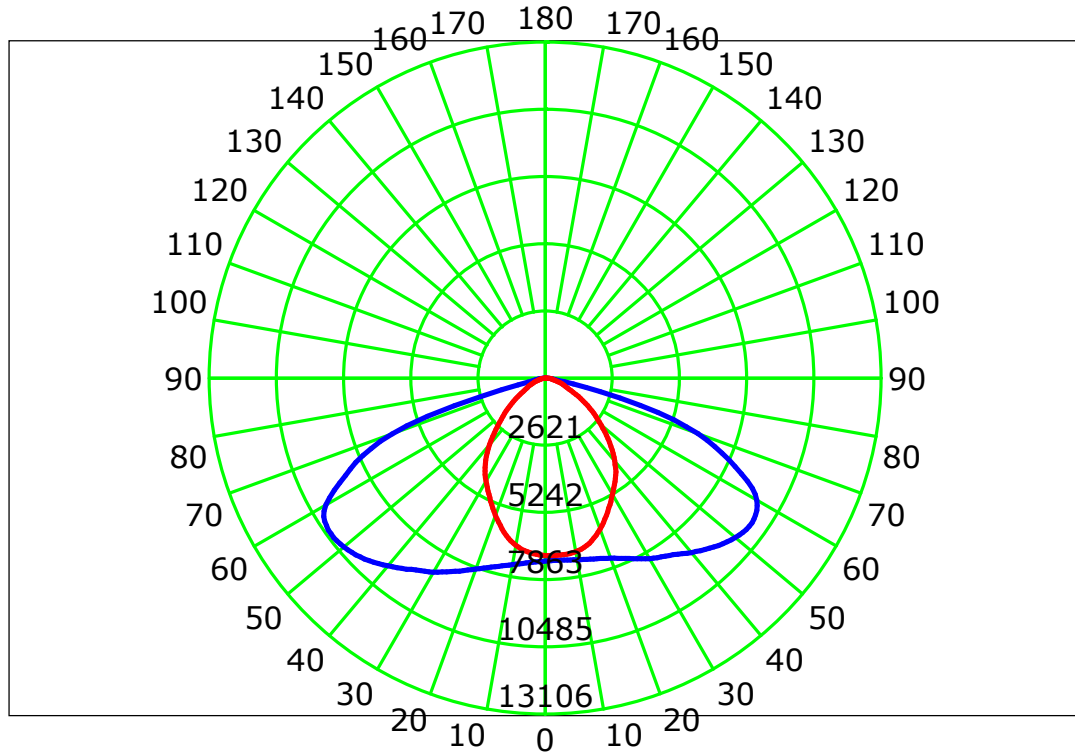
Average Diffuse Angle(50%): 114.4°

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 15.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 22.4 °C  
Operator:

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

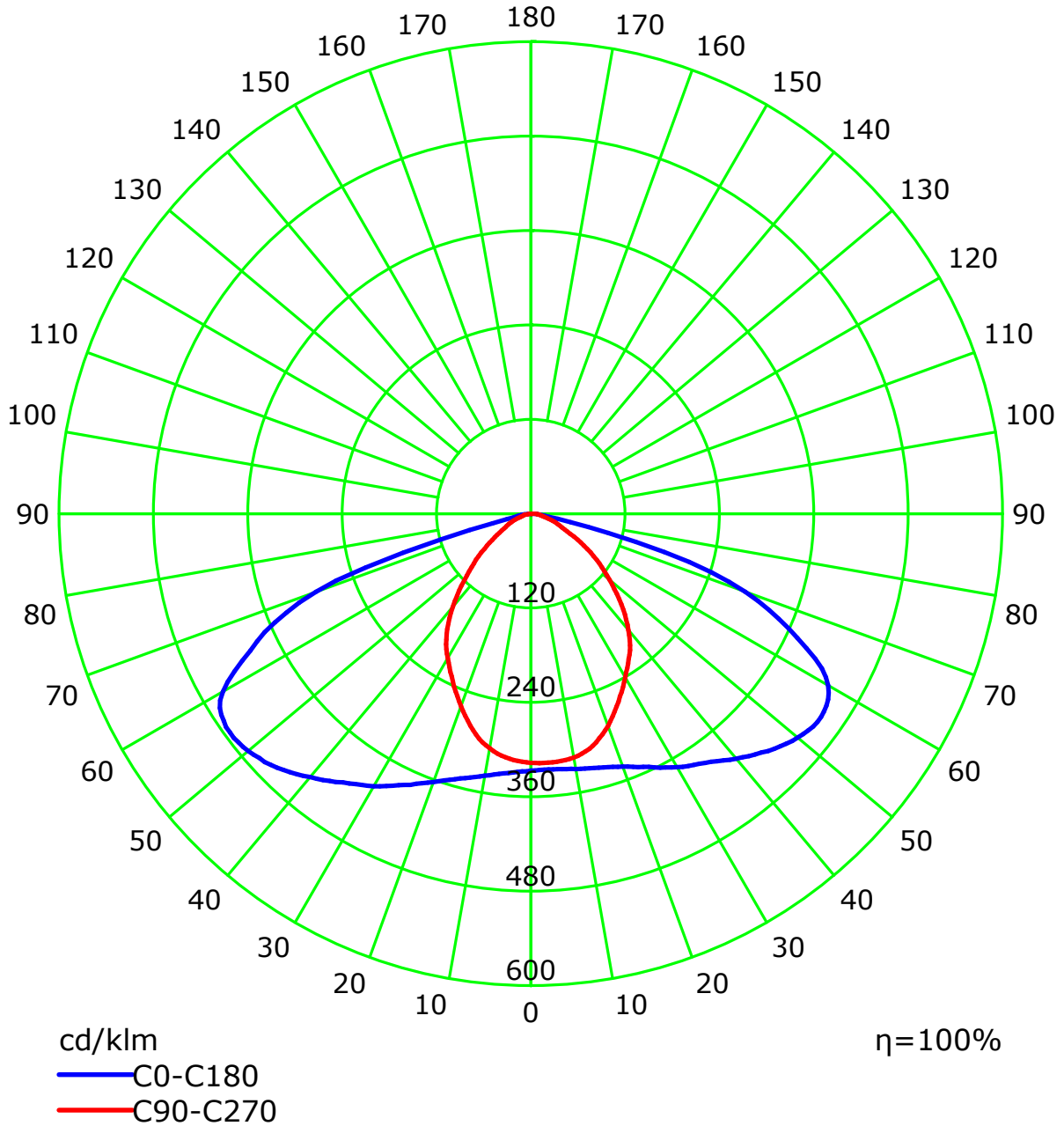
## Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 15.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 22.4 'C  
Operator:

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

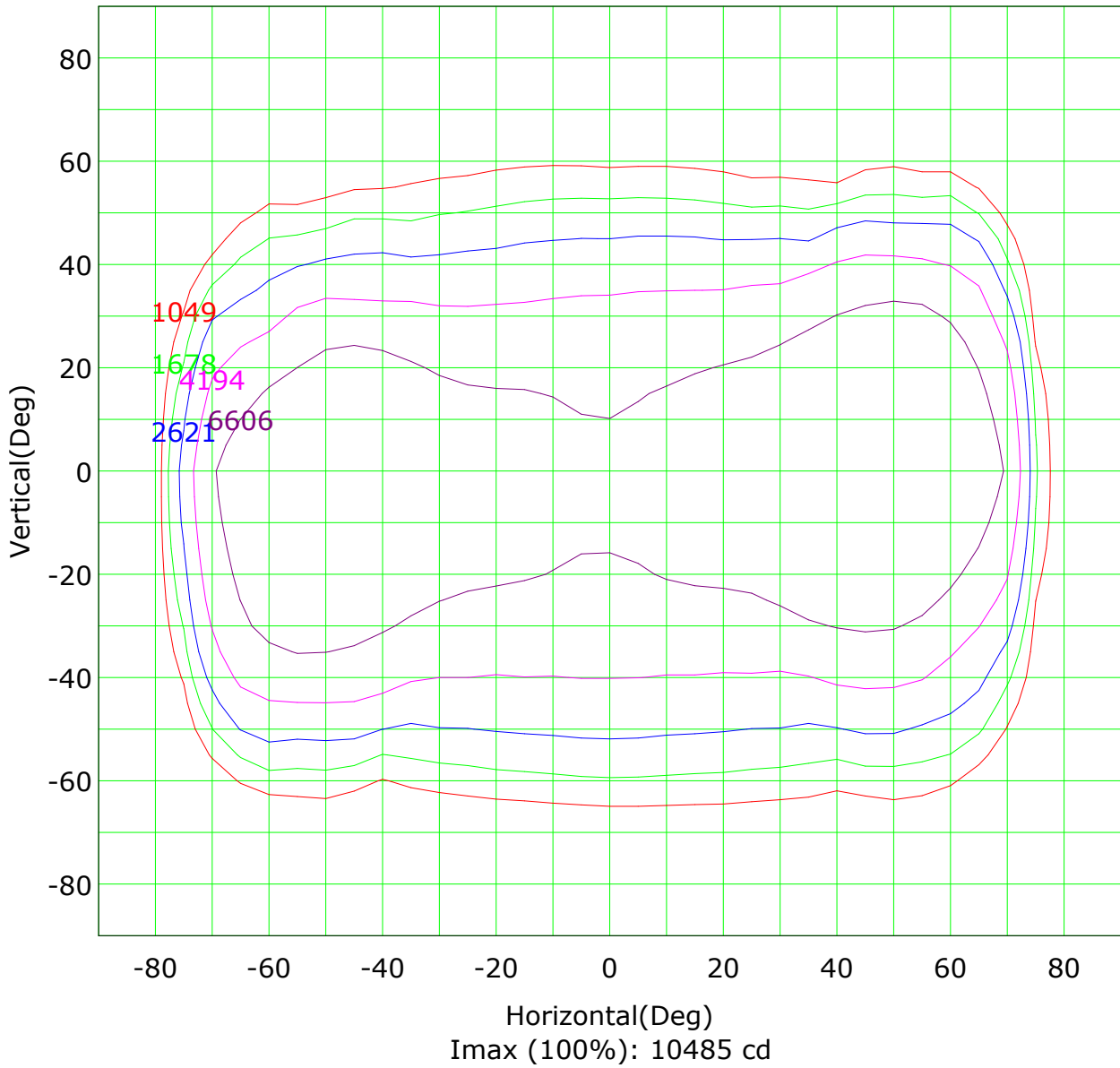
## Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 15.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 22.4 '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)

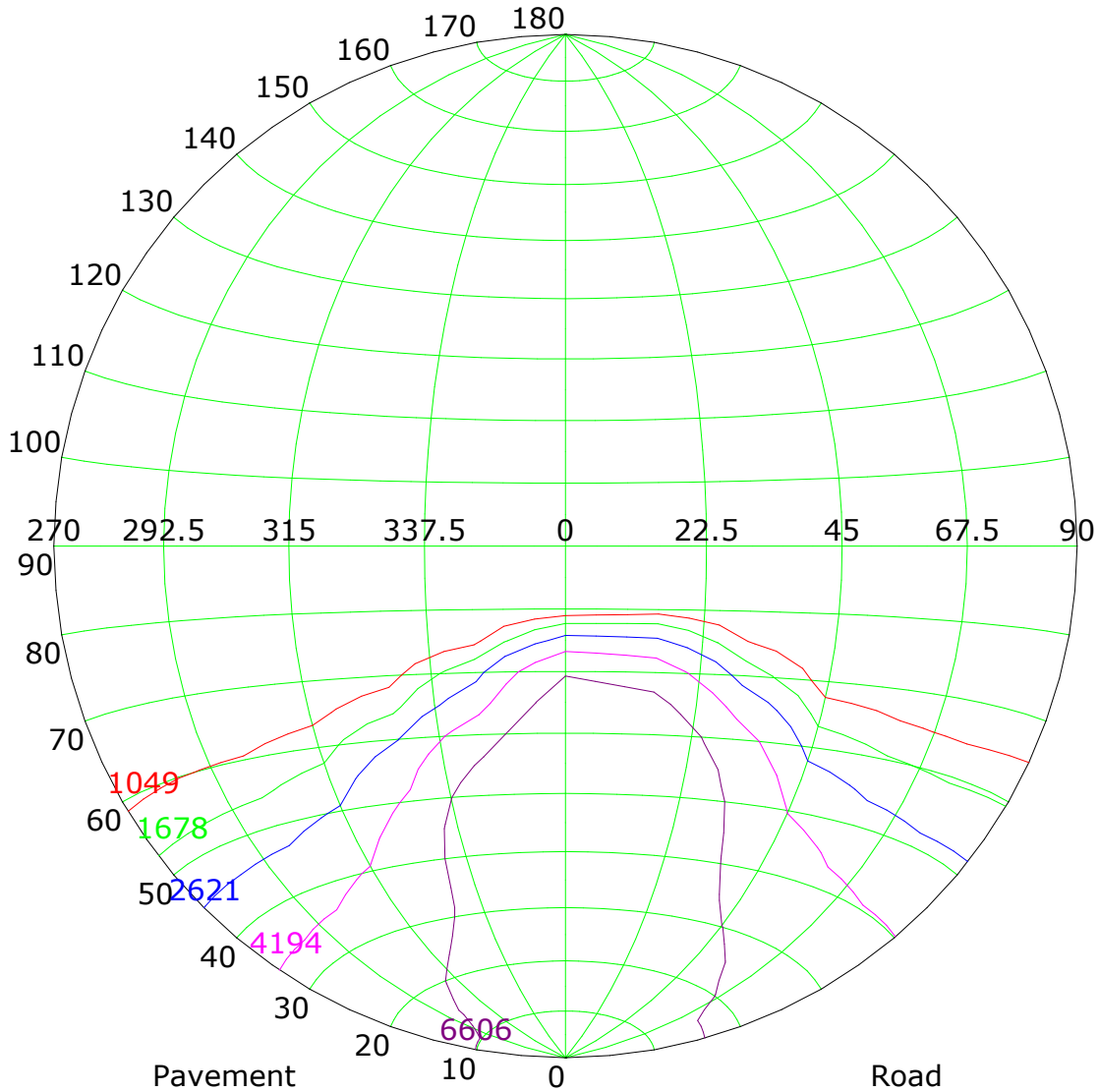


— ( 10%): 1049 cd	— ( 16%): 1678 cd
— ( 25%): 2621 cd	— ( 40%): 4194 cd
— ( 63%): 6606 cd	— (100%): 10485 cd

C Plane (°):0.0-360.0: 15.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 22.4 '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)



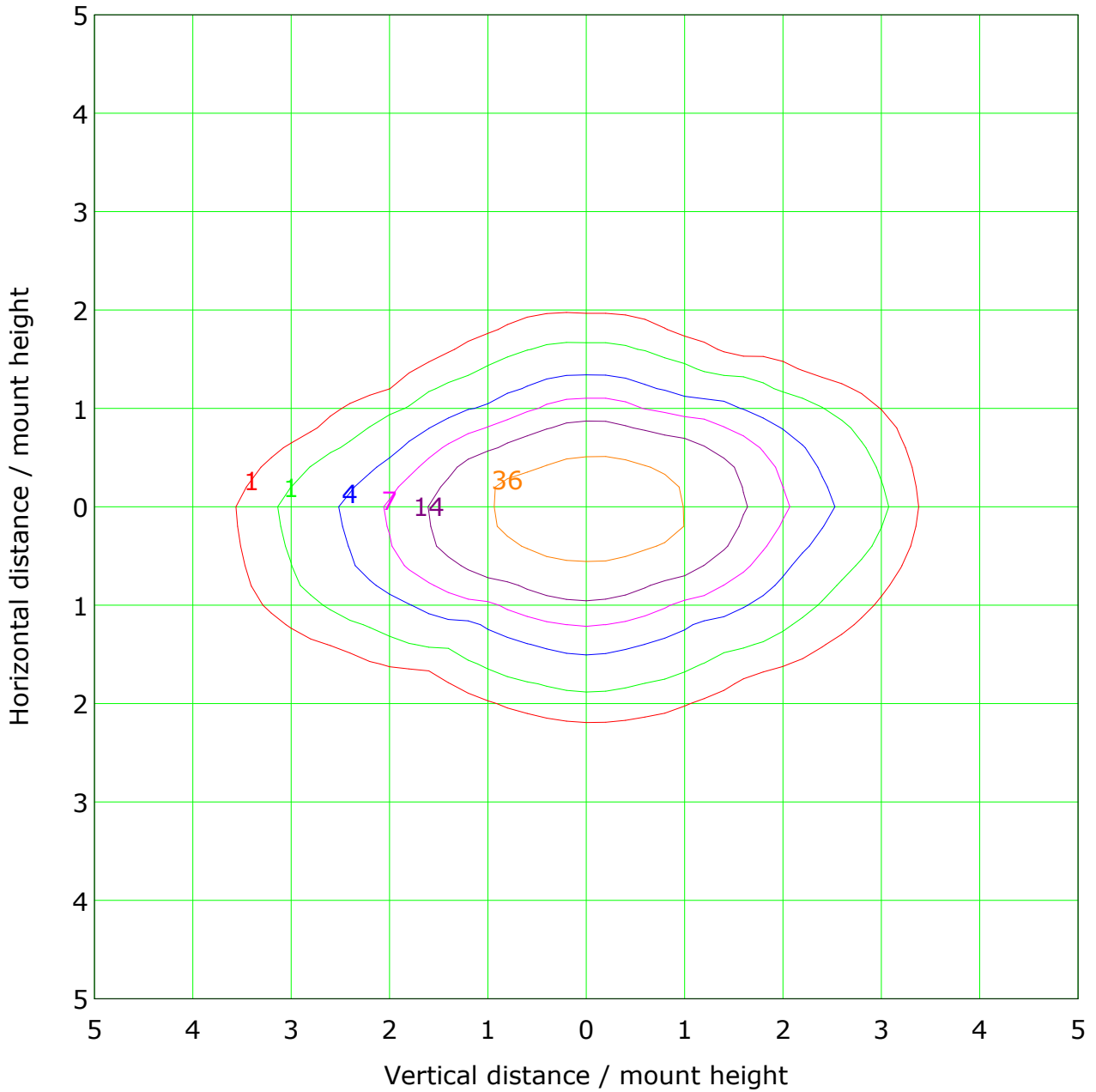
Imax (100%): 10485 cd

- |                   |                    |
|-------------------|--------------------|
| — ( 10%): 1049 cd | — ( 16%): 1678 cd  |
| — ( 25%): 2621 cd | — ( 40%): 4194 cd  |
| — ( 63%): 6606 cd | — (100%): 10485 cd |

CIE: narrow - short  
CIE: Semi-cut-off luminaire  
Max.At90: 1.524 cd/klm

IES: Cut-off  
Max.At80: 34.747 cd/klm  
Max.80-90: 34.747 cd/klm

## IsoLux Plot



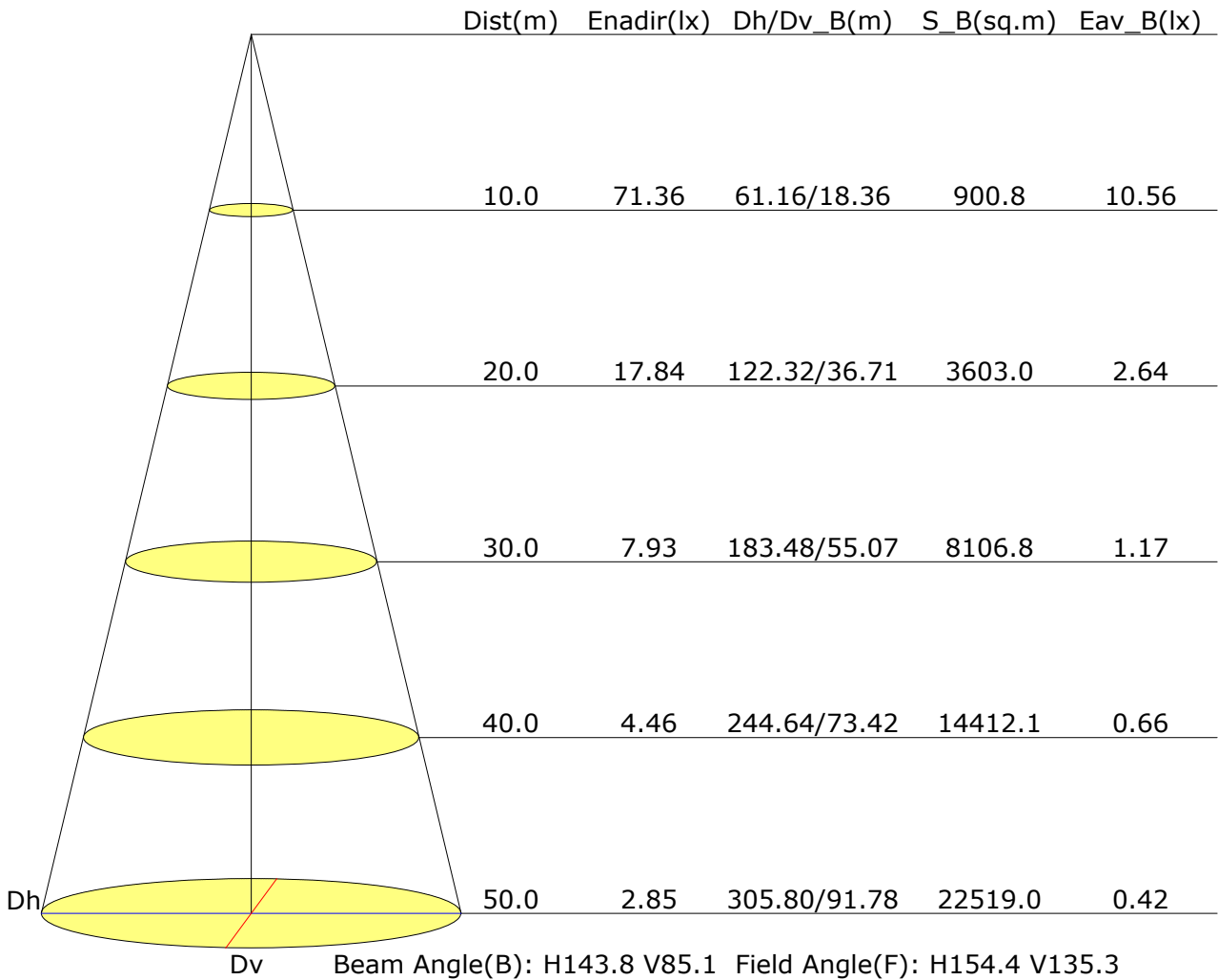
Mounting Height: 10.0m		Max Lux(100%): 71.7 lx	
<ul style="list-style-type: none"> <li><span style="color: red;">—</span> ( 1%): 0.7 lx</li> <li><span style="color: blue;">—</span> ( 5%): 3.6 lx</li> <li><span style="color: purple;">—</span> ( 20%): 14.3 lx</li> <li><span style="color: green;">—</span> (100%): 71.7 lx</li> </ul>	<ul style="list-style-type: none"> <li><span style="color: green;">—</span> ( 2%): 1.4 lx</li> <li><span style="color: magenta;">—</span> ( 10%): 7.2 lx</li> <li><span style="color: orange;">—</span> ( 50%): 35.8 lx</li> </ul>		

C Plane (°):0.0-360.0: 15.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature: 22.4 'C  
 Operator:

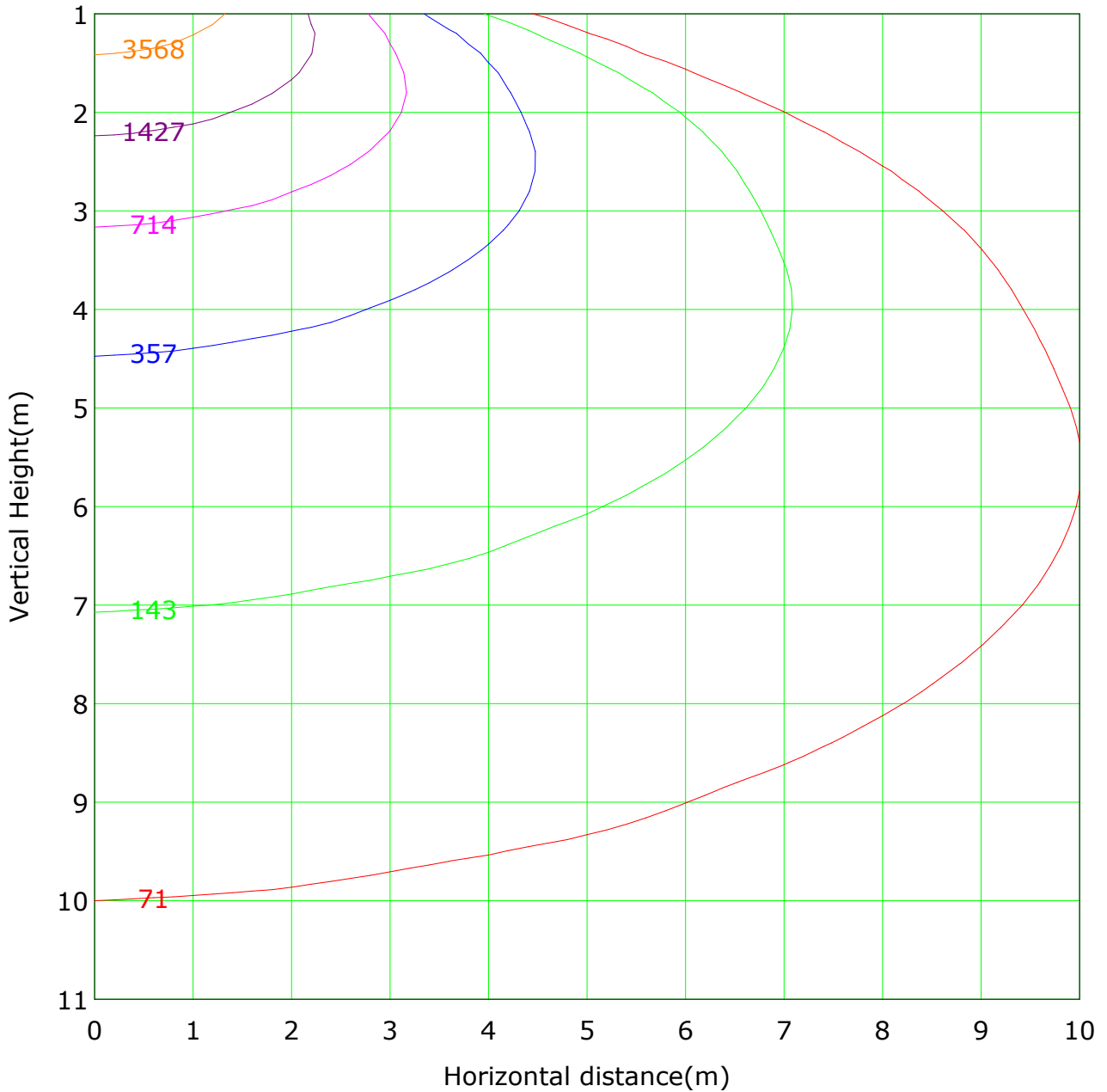
Gamma Plane (°):0.0-90.0:1.0  
 Test Device: GPM-3000  
 Distance: 16.601 m [K=1.0000]  
 Humidity:  
 Inspector:



## Illuminance at a Distance



## Vertical IsoLux Plot



Lowest(m): 1.0m    Highest(m): 11.0m    Max Lux: 7135.6 lx

— ( 1%): 71.4 lx	— ( 2%): 142.7 lx
— ( 5%): 356.8 lx	— ( 10%): 713.6 lx
— ( 20%): 1427.1 lx	— ( 50%): 3567.8 lx
— (100%): 7135.6 lx	

### Area Flux Table

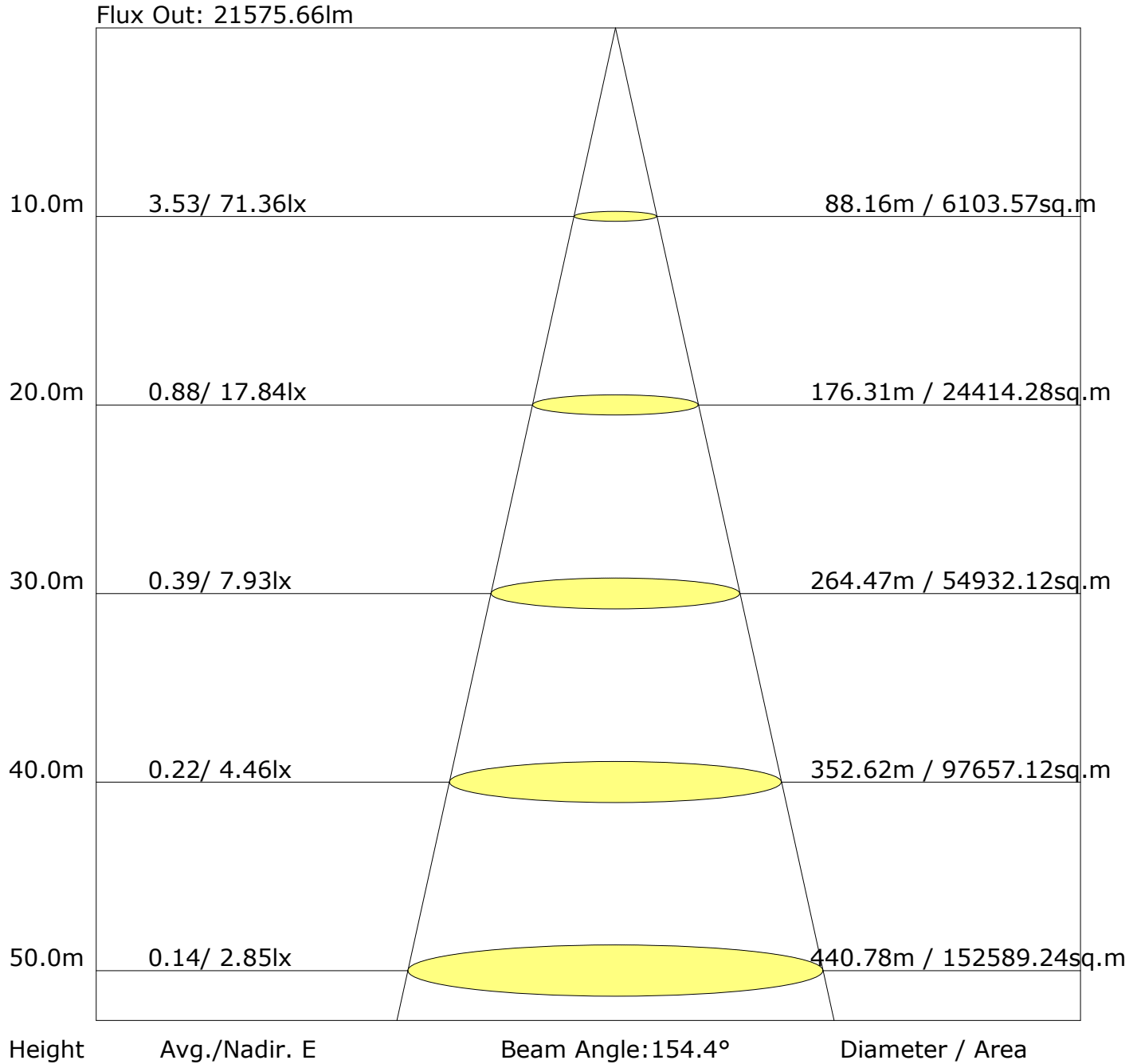
Unit: lm

		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	0.1	0.1	0.1	0.1	0.3	0.5	0.7	0.9	0.9	0.8	0.7	0.6	0.5	0.3	0.1	0.0	0.0	0.0	0.0	6.6	0.0
	80	0.1	0.3	1.2	2.5	3.9	5.8	7.4	8.7	8.4	8.3	8.6	7.9	6.0	3.7	2.2	1.0	0.2	0.0	0.0	76.5	0.0
	70	0.1	1.2	4.5	9.4	12.0	13.5	16.3	19.8	20.7	21.0	20.7	17.7	14.5	10.6	6.5	3.6	1.1	0.1	0.1	193.2	0.0
	60	0.1	2.5	13.5	25.3	30.4	29.8	34.7	40.9	43.7	43.6	40.8	34.3	27.6	21.9	14.4	8.0	2.3	0.2	0.2	413.9	318.7
	50	0.3	4.7	31.7	56.7	71.8	67.8	71.9	78.5	81.6	80.0	73.8	63.6	53.6	46.2	31.6	17.0	4.1	0.3	0.3	835.2	2823.9
	40	0.4	8.2	54.5	101.1	125.7	123.7	119.4	122.6	125.0	122.5	114.4	102.7	93.7	82.6	60.7	31.1	7.9	0.4	0.4	1396.2	390.1
	30	0.5	12.9	75.8	143.1	172.5	174.7	167.8	165.3	160.9	156.4	152.4	146.5	143.4	136.1	96.6	51.7	13.6	0.5	0.5	1970.6	966.0
	20	0.5	17.8	92.1	165.4	204.1	211.7	211.7	207.3	195.8	190.3	196.0	190.4	197.8	189.5	133.2	74.9	20.0	0.6	0.6	2499.2	495.5
	10	0.6	21.3	103.8	175.1	211.5	225.7	228.4	221.4	212.1	210.9	222.7	218.3	213.6	199.8	159.4	96.1	25.5	0.7	0.7	2746.9	743.2
	0	0.6	21.1	101.3	172.8	217.0	232.3	236.4	231.9	215.9	211.2	214.6	216.4	211.3	199.3	168.8	103.6	27.1	0.7	0.7	2782.2	778.5
10	0.6	17.5	85.0	156.1	216.5	224.1	220.3	222.0	208.3	203.0	210.1	209.2	203.3	196.5	164.6	96.9	24.3	0.7	0.7	2659.0	655.4	
20	0.5	12.9	65.3	125.9	174.6	182.6	177.3	181.0	178.0	176.2	178.8	175.7	175.6	173.1	150.1	85.9	19.8	0.6	0.6	2233.9	229.4	
30	0.5	8.7	45.5	90.5	121.9	130.6	133.3	140.4	144.3	144.4	140.4	135.1	134.8	135.9	114.9	68.4	14.2	0.5	0.5	1704.1	1698.7	
40	0.4	5.6	29.8	58.3	78.2	81.7	91.4	100.1	106.5	107.1	101.6	93.7	85.2	87.6	72.8	45.2	8.9	0.4	0.4	1154.4	147.3	
50	0.3	3.6	16.2	32.3	42.1	46.7	55.6	62.3	66.9	66.6	61.3	53.9	44.3	42.9	37.2	22.9	4.8	0.3	0.3	660.2	647.3	
60	0.2	2.2	7.4	15.4	19.3	23.0	27.7	31.0	33.0	32.3	29.0	24.9	19.5	17.0	15.3	8.7	2.3	0.1	0.1	308.5	124.0	
70	0.1	1.2	3.3	6.0	8.5	11.8	14.4	15.6	15.3	14.8	14.2	12.5	9.8	6.9	5.2	2.9	0.9	0.1	0.1	143.2	0.0	
80	0.1	0.3	0.7	1.3	1.9	3.3	4.5	4.9	5.3	5.1	4.4	3.9	2.7	1.4	0.8	0.4	0.1	0.0	0.0	41.3	0.0	
90	5.6	142.0	731.8	1337.1	1712.2	1789.3	1819.2	1854.9	1822.6	1794.3	1784.3	1707.1	1637.3	1551.3	1234.3	718.4	177.1	6.4	6.4	21825		
Flux(E)	0.0	107.5	705.2	1304.6	1668.0	1730.6	1753.6	1786.9	1755.6	1727.3	1716.4	1641.2	1577.1	1504.5	1199.0	691.3	149.2	0.0	0.0	21018		

C Plane (°):0.0-360.0: 15.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 22.4 °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

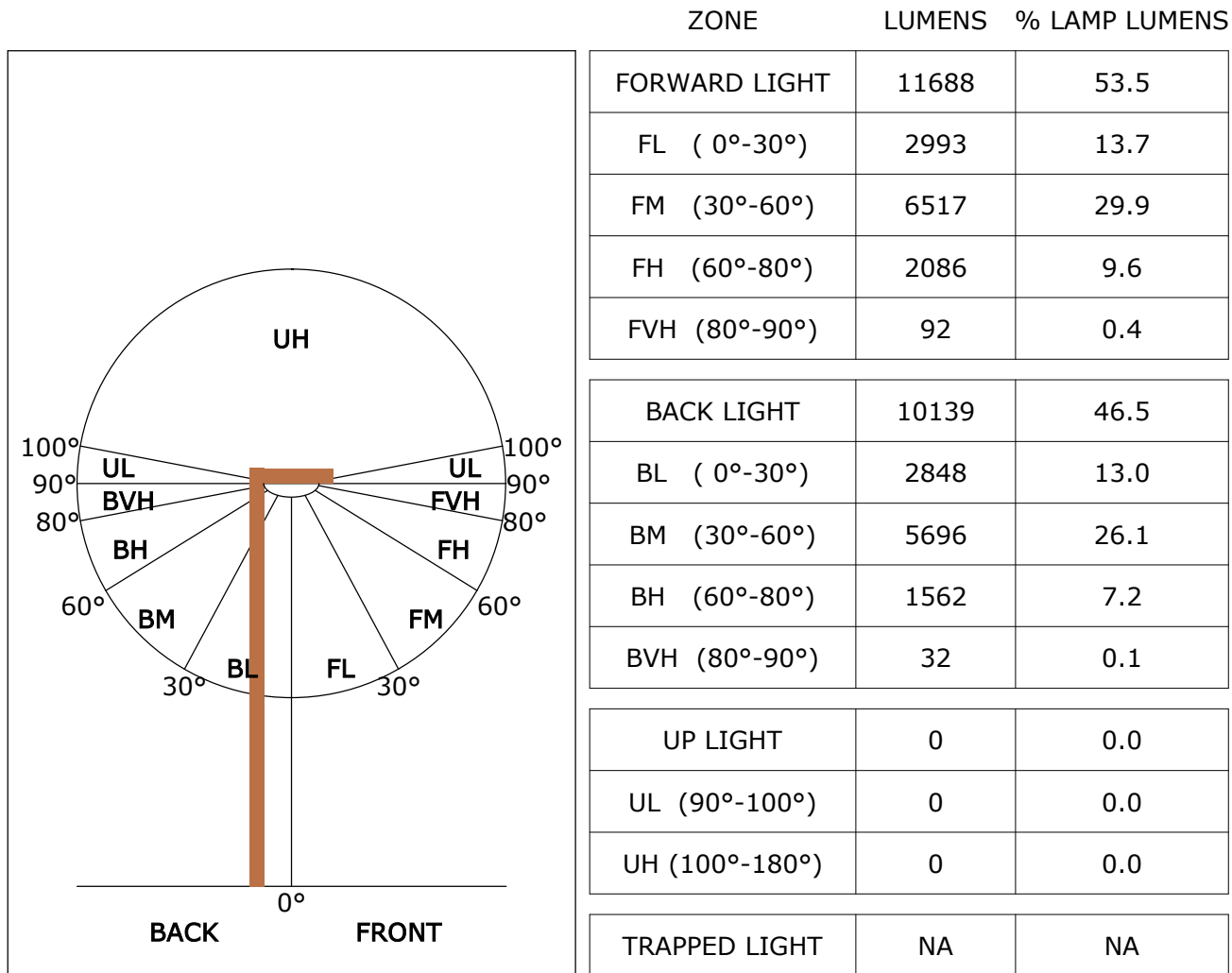


## UGR Table

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 21827lm ( $8\log(F/F_0) = 10.7$ ).

**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)	B4 U2 G3
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B4 U2 G2

C Plane (°):0.0-360.0: 15.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 22.4 'C  
Operator:

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

## LCS Graph

