

Report No.: 20200818

Test Time: 2020-08-21 16:18

## Luminaire Property

Luminaire Manufacturer:  
Luminaire Category: NB  
Lamp Catalog: 2835 3500K  
Number of Lamps: 72X2  
Luminous Length (mm): 310  
Luminous Height (mm): 85  
Current: 0.181 A  
Power Factor: 0.994

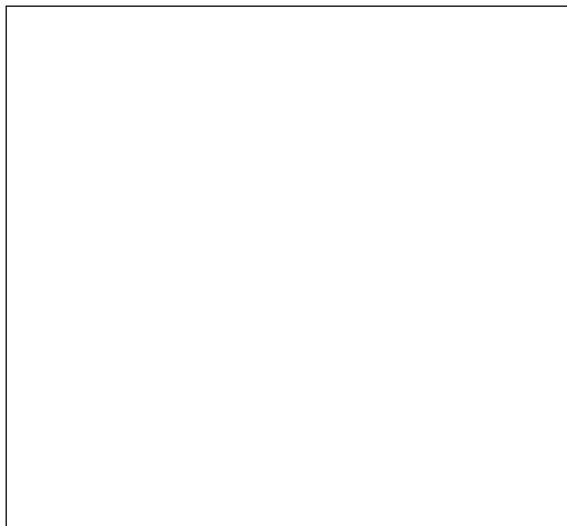
Luminaire Description:  
Lamp Description:  
Lumens per Lamp: 3034LM  
Luminous Width (mm): 310  
Voltage: 118.9 V  
Power: 21.43 W

## Photometric Results

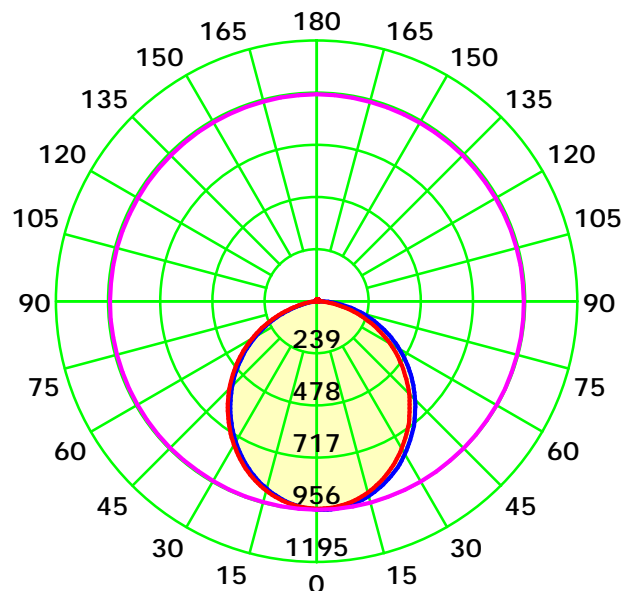
CIE Class: Direct  
Measurement Flux: 2544.1 lm  
Downward Ratio: 1.15%  
Field Angle: H158.6 V156.3  
Luminaire Efficacy Rating (LER): 119  
Max. Intensity: 956.64 cd

Total Rated Lamp Lumens: 218448.0 lm  
Efficiency: 1.16%  
Upward Ratio: 0.01%  
Beam Angle: H107.0 V105.3  
Central Intensity: 955.22 cd  
Pos of Max. Intensity: H0 V3

Picture Of Luminaire



Luminous Intensity Distribution Curve



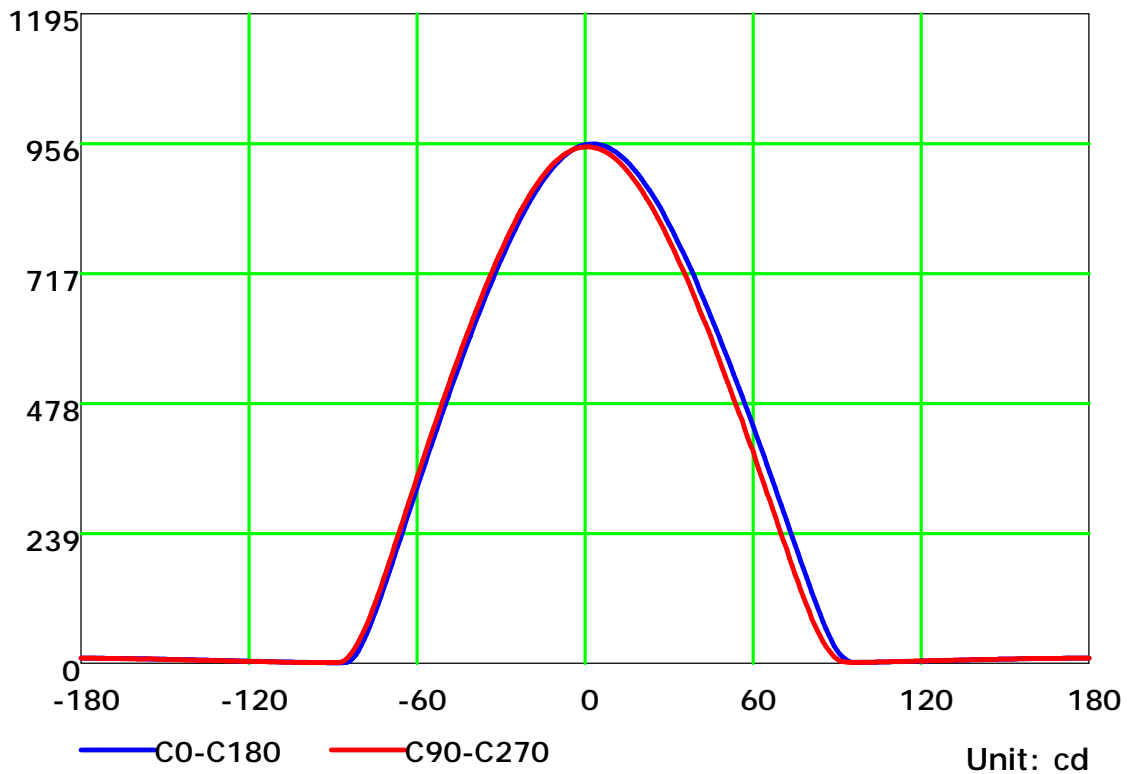
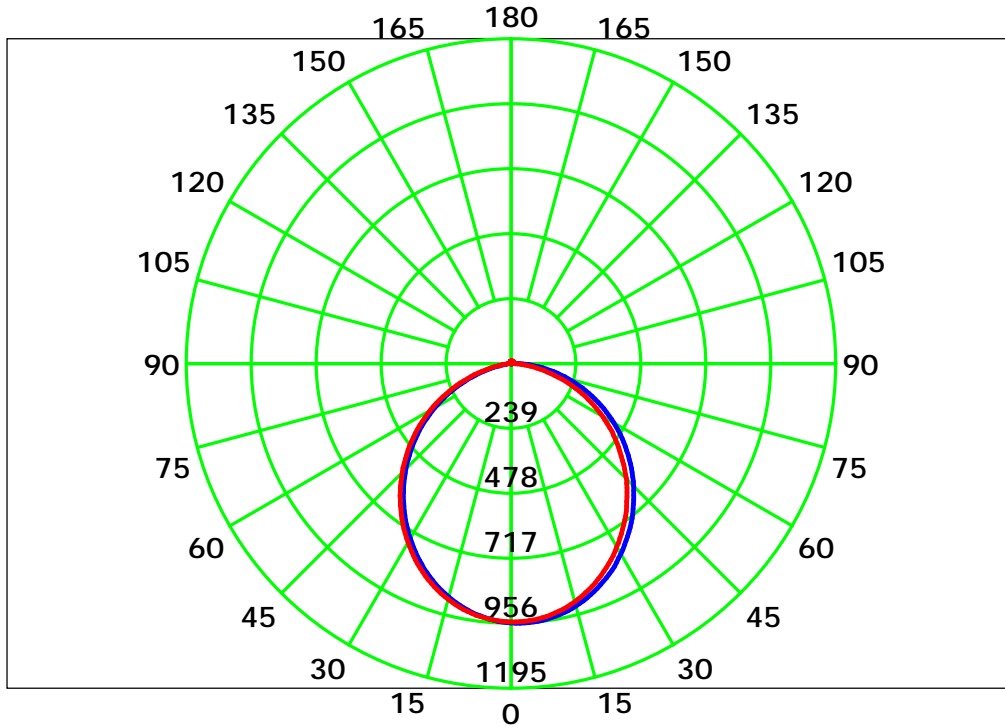
Average Diffuse Angle(50%): 106.1° Unit: cd

— C0-C180 — C90-C270 — G3

C Plane (°):0.0-360.0: 30.0  
Test Lab: 80  
Test Type: TYPE C  
Temperature: 23  
Operator: QIU

Gamma Plane (°):0.0-180.0: 1.0  
Test Device: GPM-1600L  
Distance: 8.920 m  
Humidity: 88  
Inspector:

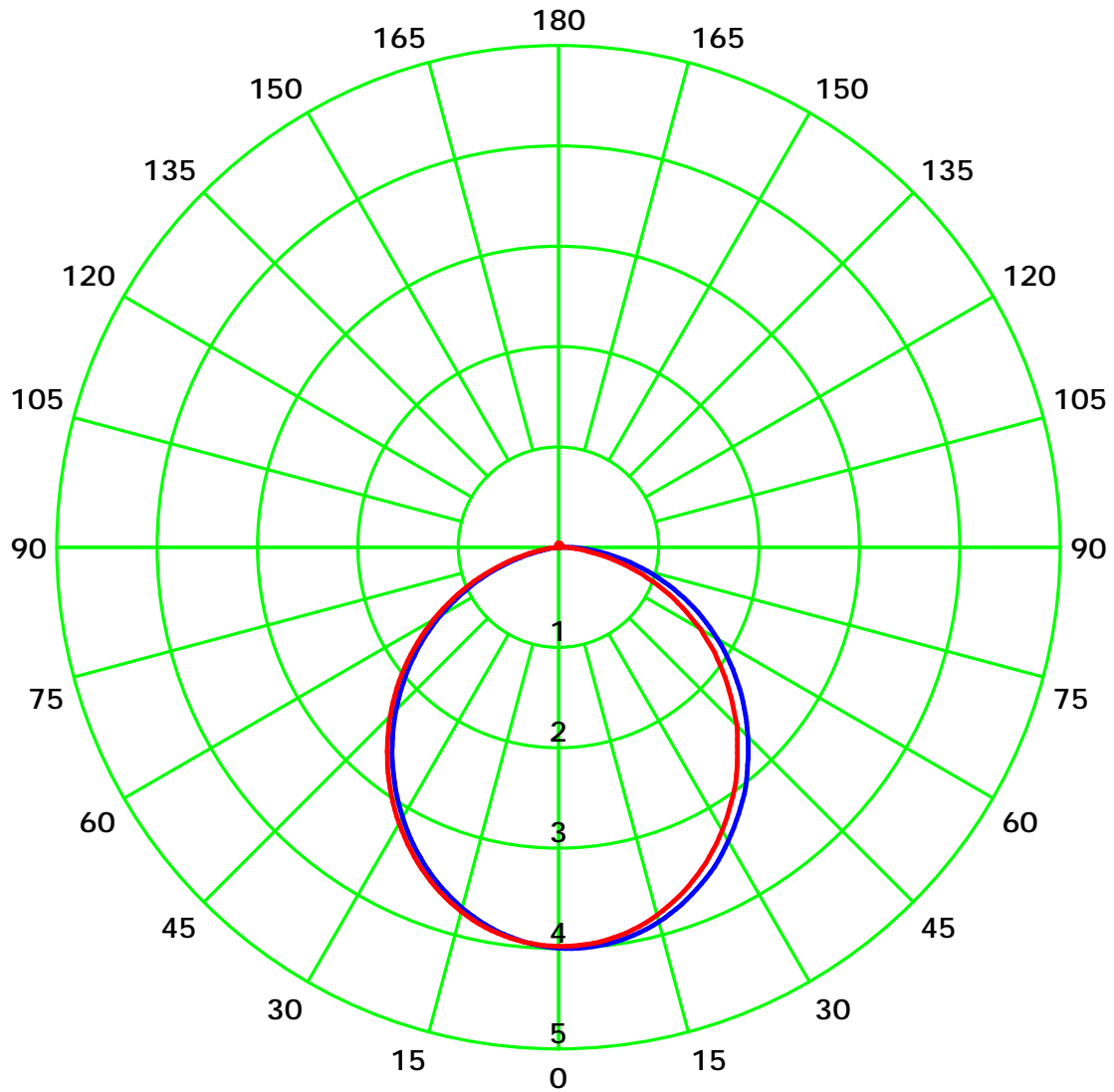
## Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 30.0  
 Test Lab: 80  
 Test Type: TYPE C  
 Temperature: 23  
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.920 m  
 Humidity: 88  
 Inspector:

## Luminous Intensity Distribution Curve(cd/klm)



cd/klm

— C0-C180

— C90-C270

2835 3500K/SLE20-I400 120-277WD1

$\eta=1.16\%$

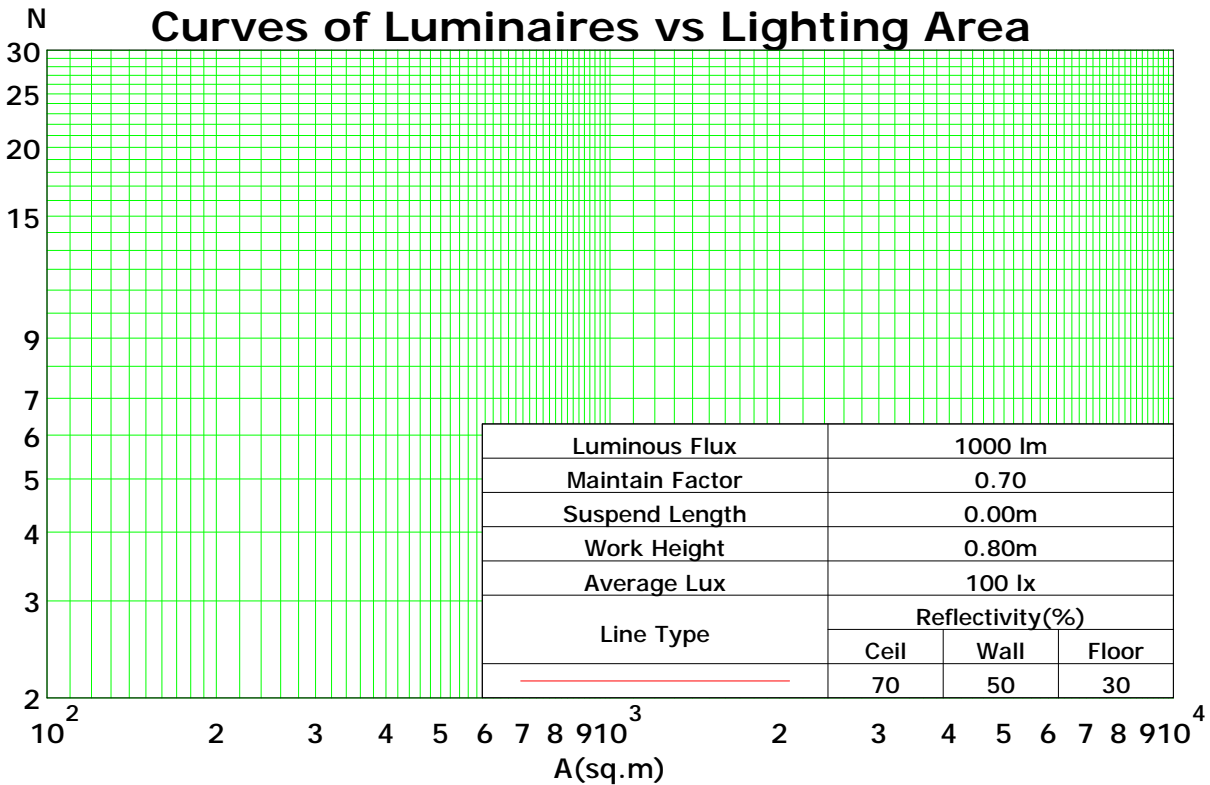
C Plane (°):0.0-360.0: 30.0  
 Test Lab: 80  
 Test Type: TYPE C  
 Temperature: 23  
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.920 m  
 Humidity: 88  
 Inspector:

### Coefficients Of Utilization - Zonal Cavity Method

RC	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.1	0.1	0.1	0
RW	0.7	0.5	0.3	0.1	0.7	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0
RCR	RF = 0.2																	
0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	0	1	1	1	0	1	1	0	1	1	0	1	1	0	0
7	1	1	1	0	1	1	1	0	1	0	0	1	0	0	1	0	0	0
8	1	1	0	0	1	1	0	0	1	0	0	1	0	0	0	0	0	0
9	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
10	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0

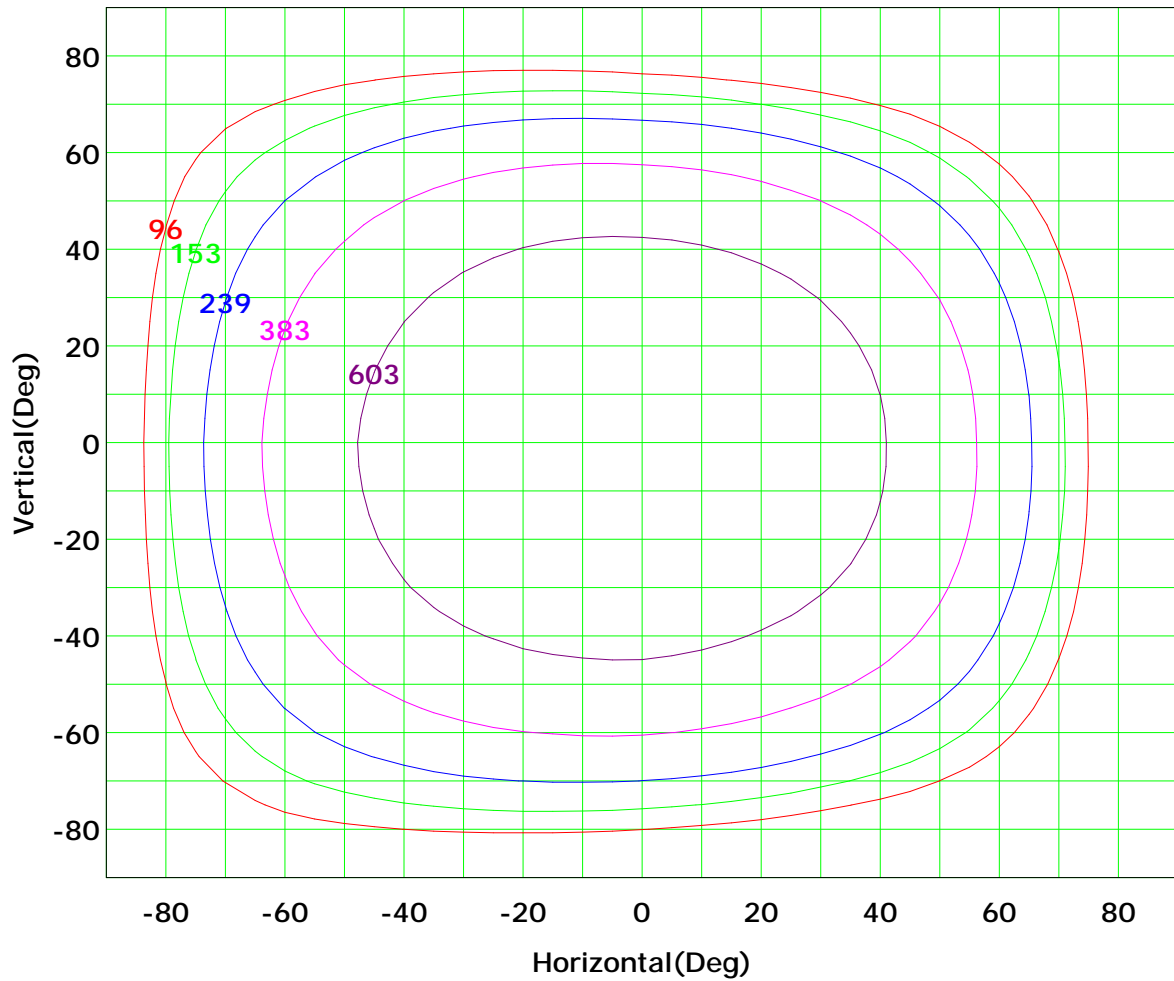
Spacing Criteria (0-180): 1.21  
 Spacing Criteria (90-270): 1.21  
 Spacing Criteria (Diagonal): 1.32



C Plane (°):0.0-360.0: 30.0  
 Test Lab: 80  
 Test Type: TYPE C  
 Temperature: 23  
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.920 m  
 Humidity: 88  
 Inspector:

## Isocandela (rectangle)



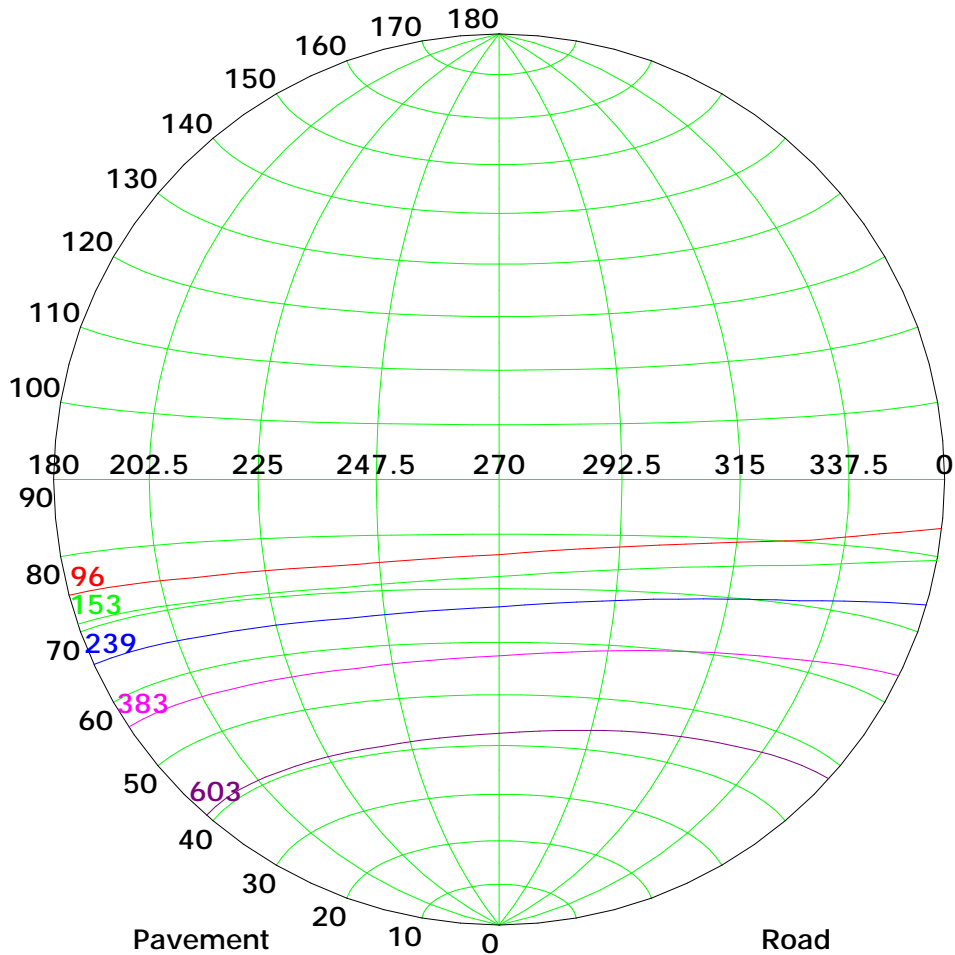
Imax (100%): 957 cd

— ( 10%):	96 cd	— ( 16%):	153 cd
— ( 25%):	239 cd	— ( 40%):	383 cd
— ( 63%):	603 cd	— (100%):	957 cd

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 80  
 Test Type: TYPE C  
 Temperature: 23  
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.920 m  
 Humidity: 88  
 Inspector:

## Isocandela (sphere)



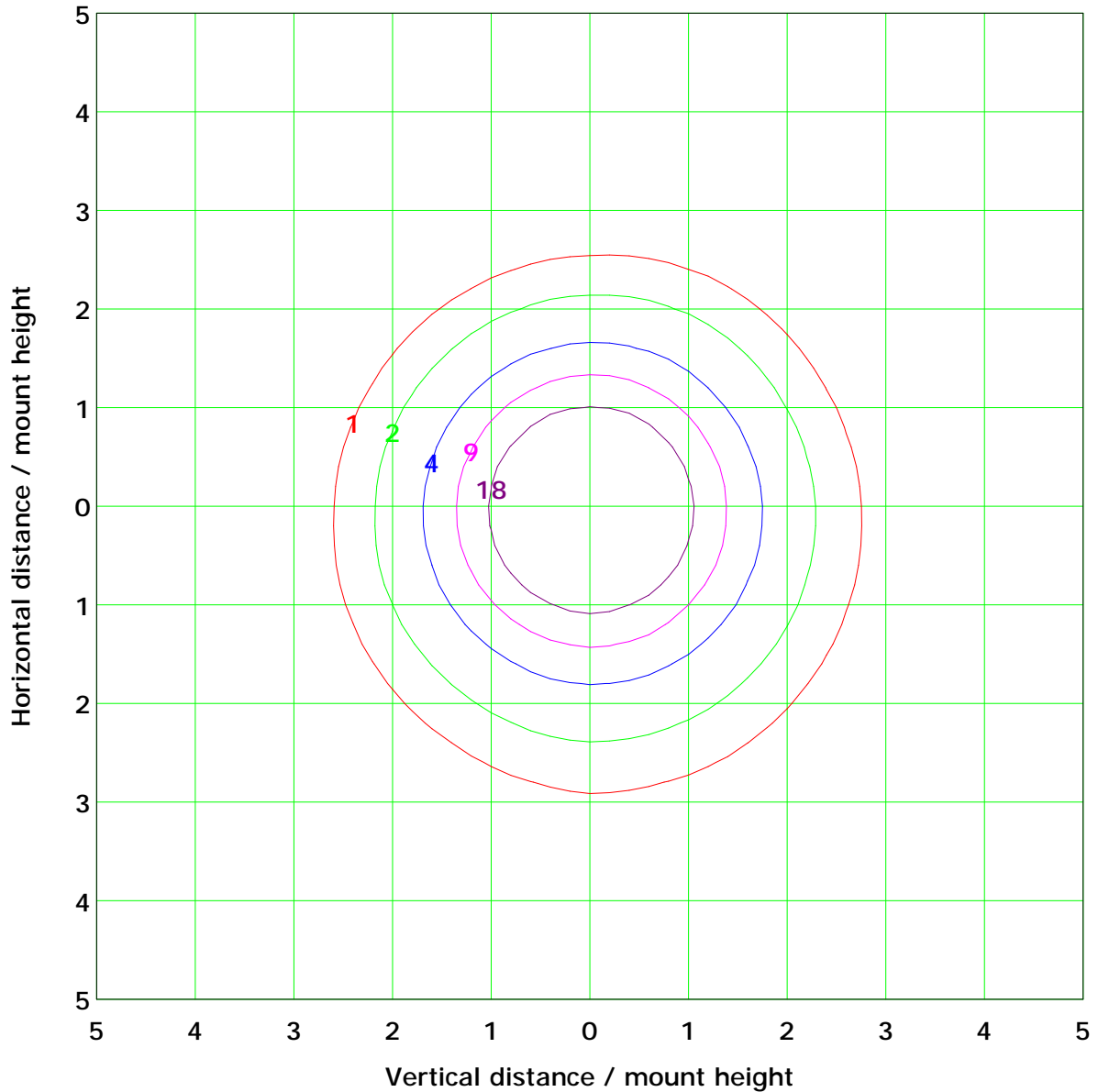
I<sub>max</sub> (100%): 957 cd

— ( 10%): 96 cd	— ( 16%): 153 cd
— ( 25%): 239 cd	— ( 40%): 383 cd
— ( 63%): 603 cd	— (100%): 957 cd

C Plane (°):0.0-360.0: 30.0  
Test Lab: 80  
Test Type: TYPE C  
Temperature: 23  
Operator: QIU

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1600L  
Distance: 8.920 m  
Humidity: 88  
Inspector:

## IsoLux Plot



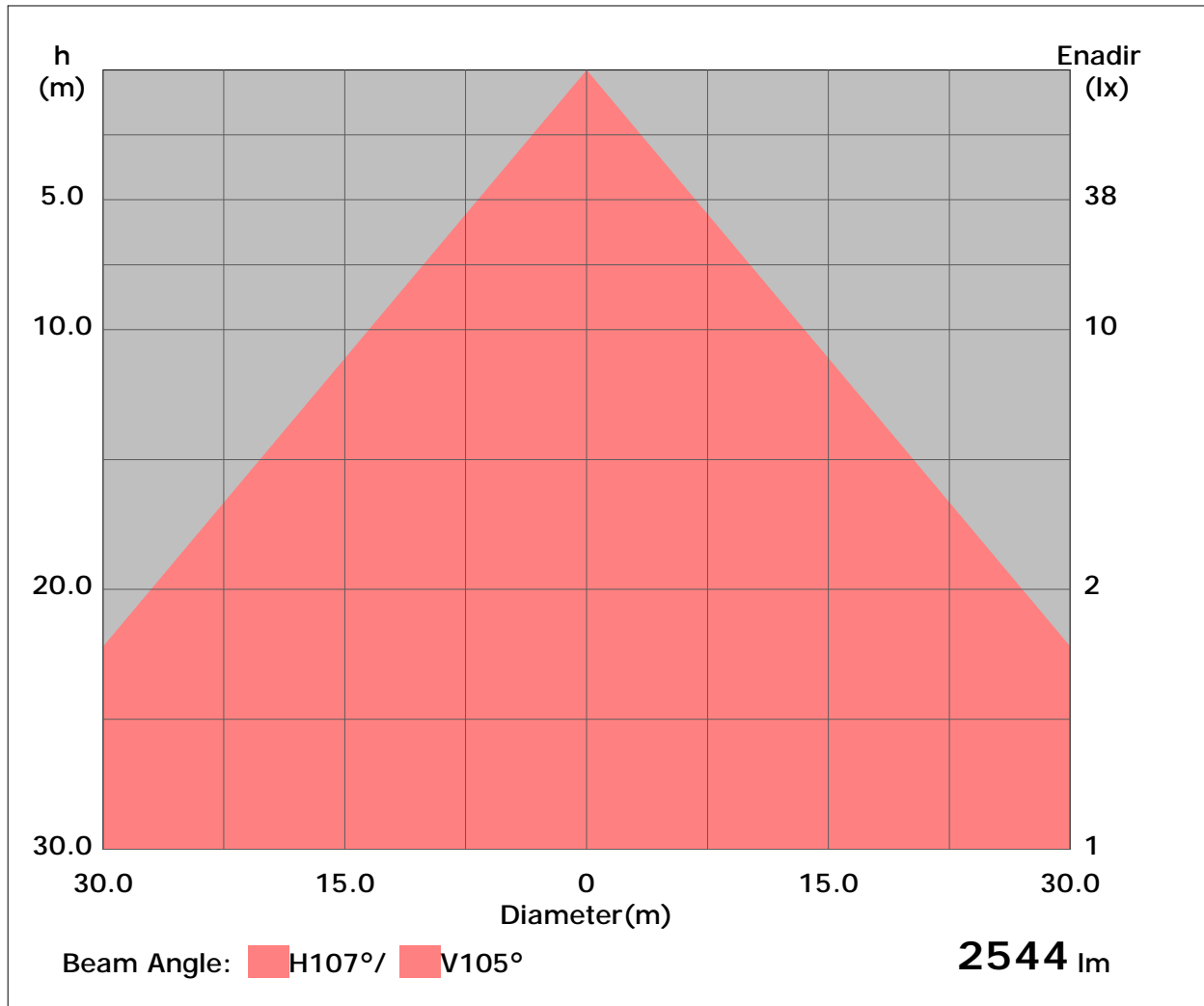
Mounting Height: 3.3m    Max Lux(100%): 87.8 lx

( 1%): 0.9 lx	( 2%): 1.8 lx
( 5%): 4.4 lx	( 10%): 8.8 lx
( 20%): 17.6 lx	

C Plane (°):0.0-360.0: 30.0  
Test Lab: 80  
Test Type: TYPE C  
Temperature: 23  
Operator: QIU

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1600L  
Distance: 8.920 m  
Humidity: 88  
Inspector:

## Illuminance at a Distance

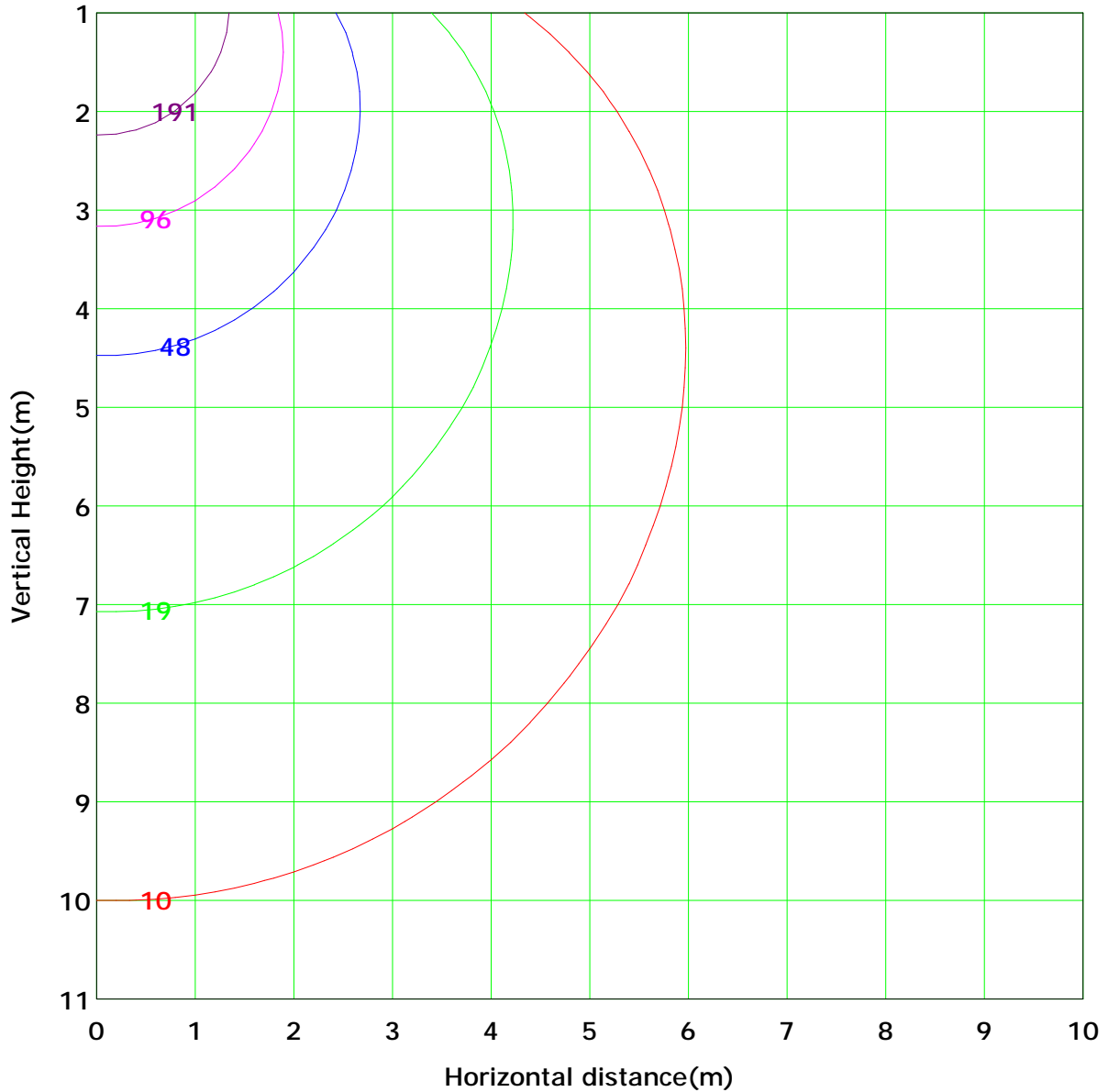


C Plane (°):0.0-360.0: 30.0  
 Test Lab: 80  
 Test Type: TYPE C  
 Temperature: 23  
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.920 m  
 Humidity: 88  
 Inspector:



## Vertical IsoLux Plot



Lowest(m): 1.0m    Highest(m): 11.0m    Max Lux: 955.2 lx  
 ( 1%): 9.6 lx                      ( 2%): 19.1 lx  
 ( 5%): 47.8 lx                      ( 10%): 95.5 lx  
 ( 20%): 191.0 lx

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 80  
 Test Type: TYPE C  
 Temperature: 23  
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.920 m  
 Humidity: 88  
 Inspector:

## Area Flux Table

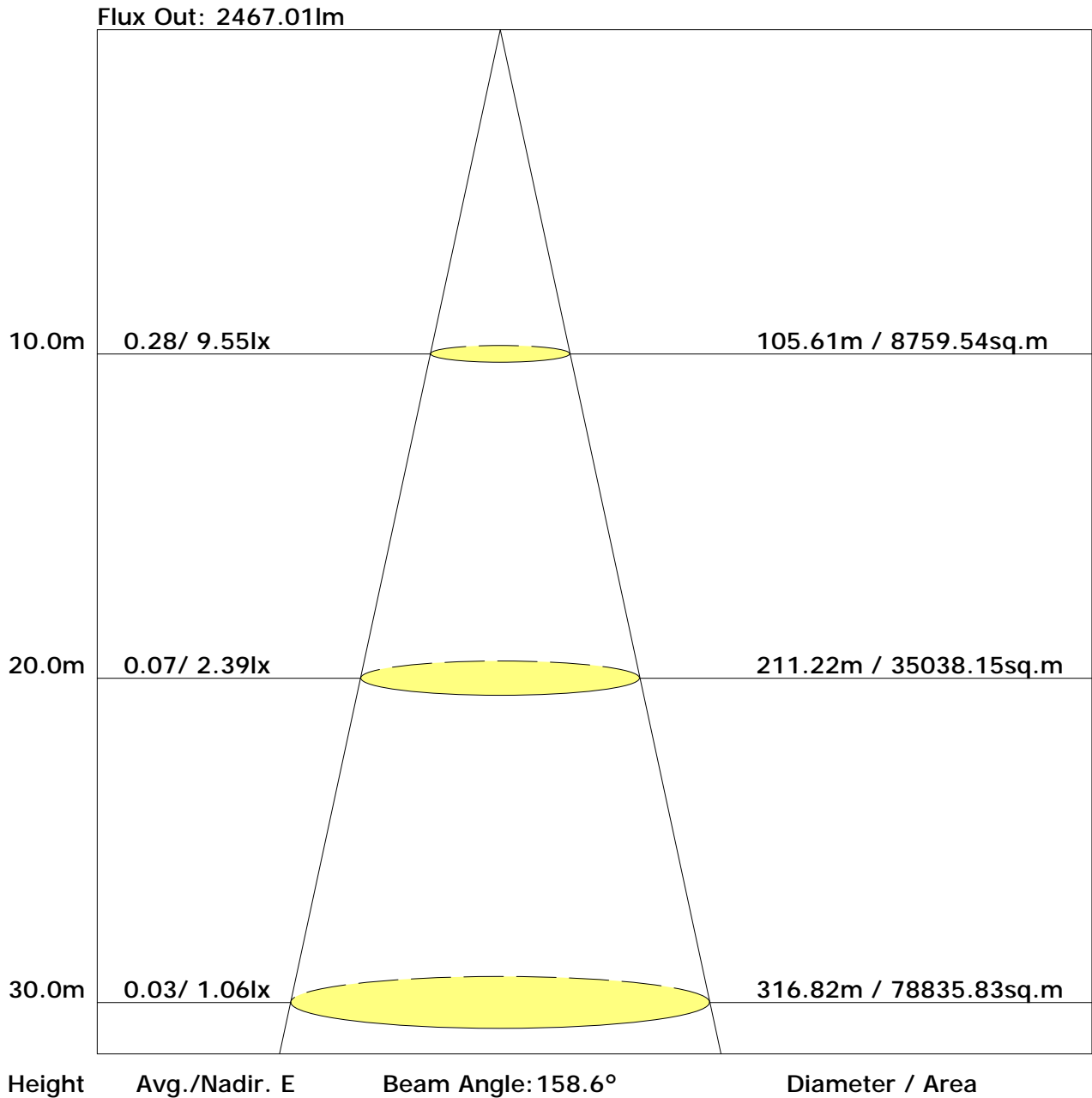
Unit: lm

		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	0.1	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.5	0.3	0.2	0.1	0.1	0.1	0.3	0.0
	-80	0.0	0.0	0.1	0.4	0.8	1.5	2.2	2.8	3.3	3.6	3.6	3.3	2.8	2.1	1.4	0.8	0.4	0.1	0.1	7.1	0.0
	-70	0.0	0.1	0.4	1.3	2.7	4.2	5.7	7.0	7.9	8.1	7.9	7.0	5.8	4.3	2.7	1.5	0.6	0.1	0.1	30.3	0.0
	-60	0.0	0.2	1.0	2.6	4.8	7.2	9.5	11.4	12.5	12.8	12.3	10.9	8.8	6.5	4.2	2.2	0.9	0.2	0.2	0.0	0.0
	-50	0.0	0.3	1.6	3.9	6.9	10.1	13.1	15.5	16.9	17.2	16.4	14.4	11.6	8.5	5.5	2.9	1.1	0.2	0.2	0.0	0.0
	-40	0.0	0.5	2.2	5.1	8.7	12.6	16.3	19.2	20.9	21.2	20.1	17.6	14.1	10.3	6.7	3.6	1.3	0.2	0.2	0.0	0.0
	-30	0.0	0.6	2.7	6.0	10.1	14.6	18.9	22.3	24.3	24.6	23.2	20.2	16.2	11.8	7.6	4.1	1.5	0.2	0.2	0.0	0.0
	-20	0.0	0.7	3.0	6.6	11.2	16.1	20.8	24.6	26.8	27.2	25.5	22.1	17.7	12.9	8.3	4.5	1.7	0.3	0.3	0.0	0.0
	-10	0.0	0.8	3.2	7.0	11.7	16.9	21.8	25.9	28.2	28.5	26.8	23.3	18.6	13.6	8.8	4.7	1.8	0.3	0.3	0.0	0.0
	0	0.0	0.8	3.2	7.0	11.7	16.9	21.8	25.9	28.2	28.5	26.8	23.3	18.6	13.6	8.8	4.7	1.8	0.3	0.3	0.0	0.0
	10	0.0	0.8	3.1	6.8	11.4	16.3	21.0	24.8	27.1	27.4	25.8	22.5	18.0	13.2	8.5	4.6	1.7	0.3	0.3	0.0	0.0
	20	0.0	0.7	2.9	6.3	10.5	15.0	19.3	22.7	24.7	25.1	23.7	20.7	16.7	12.3	8.0	4.3	1.6	0.2	0.2	0.0	0.0
	30	0.0	0.6	2.5	5.5	9.2	13.2	16.8	19.8	21.6	21.9	20.7	18.2	14.8	11.0	7.1	3.8	1.4	0.2	0.2	0.0	0.0
	40	0.0	0.4	1.9	4.5	7.6	10.8	13.9	16.3	17.9	18.2	17.3	15.3	12.5	9.3	6.1	3.3	1.2	0.2	0.2	0.0	0.0
	50	0.0	0.3	1.3	3.3	5.6	8.2	10.5	12.5	13.7	14.0	13.4	11.9	9.8	7.3	4.8	2.6	1.0	0.2	0.2	0.0	0.0
	60	0.0	0.1	0.7	2.0	3.6	5.3	6.9	8.4	9.3	9.6	9.3	8.3	6.9	5.2	3.5	1.9	0.8	0.1	0.1	0.0	0.0
	70	0.0	0.0	0.3	0.8	1.5	2.4	3.4	4.2	4.9	5.1	5.1	4.6	3.9	3.0	2.1	1.2	0.5	0.1	0.1	0.0	0.0
	80	0.0	0.0	0.0	0.1	0.3	0.5	0.7	1.0	1.3	1.4	1.5	1.5	1.3	1.1	0.8	0.5	0.3	0.1	0.1	0.0	0.0
90	0.3	7.1	30.3	69.2	118.6	172.1	222.9	264.6	290.1	295.4	279.8	245.8	198.9	146.4	95.3	51.4	19.8	3.2	0.1	0.1	2511	2467

C Plane (°): 0.0-360.0: 30.0  
 Test Lab: 80  
 Test Type: TYPE C  
 Temperature: 23  
 Operator: QIU

Gamma Plane (°): 0.0-180.0: 1.0  
 Test Device: GPM-1600L  
 Distance: 8.920 m  
 Humidity: 88  
 Inspector:

## The Average Illuminance Effective Figure



C Plane (°):0.0-360.0: 30.0  
 Test Lab: 80  
 Test Type: TYPE C  
 Temperature: 23  
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.920 m  
 Humidity: 88  
 Inspector:

## UGR Table

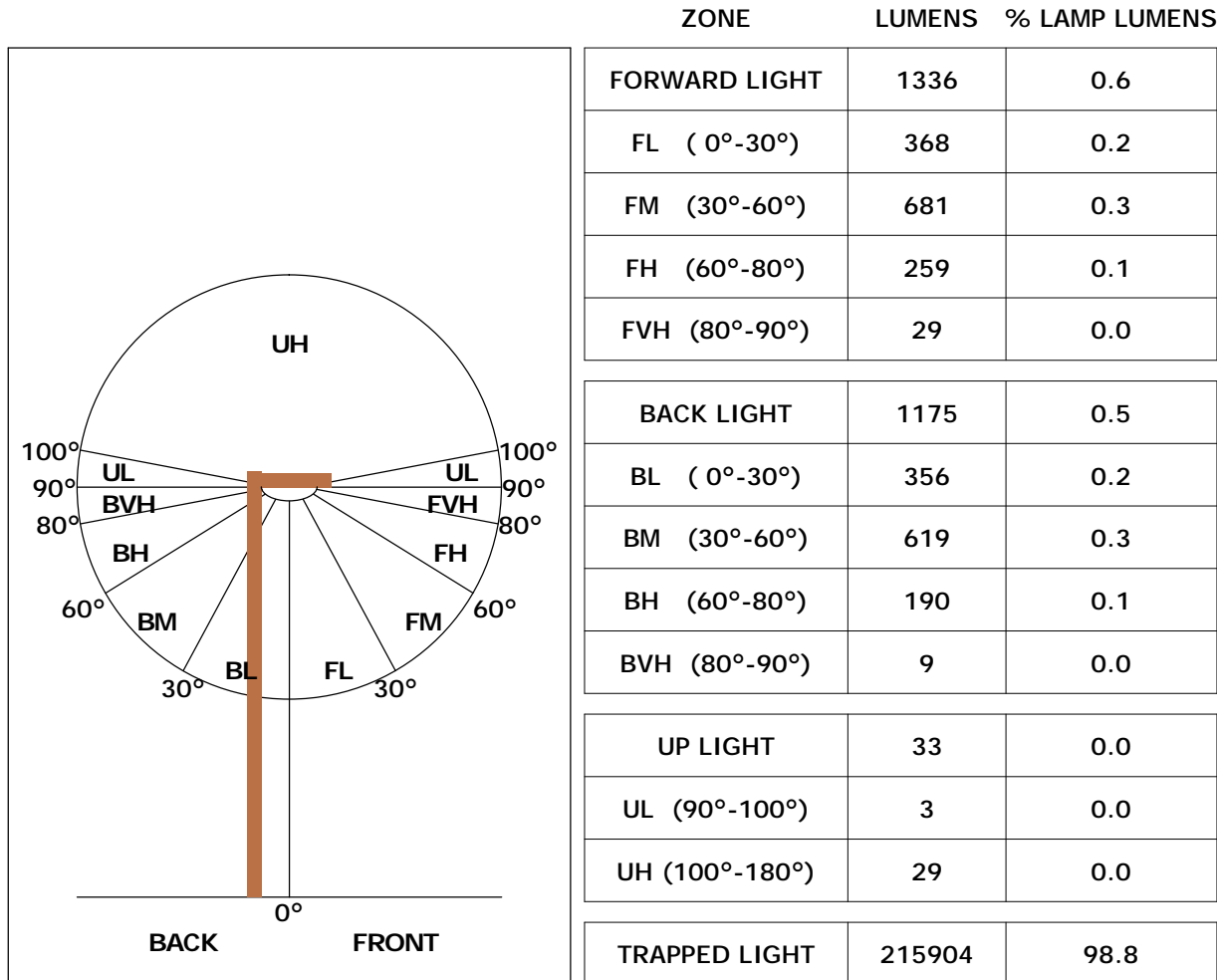
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	-0.1	1.4	0.2	1.8	2.1	-0.7	0.9	-0.3	1.2	1.6
3H	1.6	3.0	2.0	3.4	3.8	0.8	2.3	1.2	2.6	3.0
4H	2.3	3.6	2.7	4.0	4.4	1.3	2.7	1.8	3.1	3.5
6H	2.7	4.0	3.2	4.4	4.8	1.7	2.9	2.1	3.3	3.7
8H	2.9	4.1	3.3	4.5	4.9	1.7	2.9	2.2	3.3	3.7
12H	3.0	4.1	3.4	4.5	5.0	1.7	2.9	2.2	3.3	3.8
X=4H Y=2H	0.3	1.7	0.8	2.1	2.5	-0.2	1.2	0.2	1.5	1.9
3H	2.3	3.4	2.7	3.8	4.3	1.6	2.7	2.0	3.1	3.5
4H	3.0	4.1	3.5	4.5	5.0	2.2	3.2	2.6	3.6	4.1
6H	3.6	4.5	4.1	5.0	5.5	2.6	3.4	3.0	3.9	4.4
8H	3.8	4.6	4.3	5.1	5.6	2.6	3.5	3.1	3.9	4.4
12H	4.0	4.7	4.5	5.2	5.7	2.7	3.4	3.2	3.9	4.4
X=8H Y=4H	3.2	4.0	3.7	4.5	5.0	2.4	3.2	2.9	3.7	4.2
6H	3.9	4.6	4.4	5.1	5.6	2.8	3.5	3.4	4.0	4.5
8H	4.1	4.7	4.7	5.3	5.8	3.0	3.6	3.5	4.1	4.6
12H	4.3	4.9	4.8	5.4	6.0	3.1	3.6	3.6	4.1	4.7
X=12H Y=4H	3.2	4.0	3.7	4.5	5.0	2.4	3.1	2.9	3.6	4.1
6H	3.9	4.5	4.4	5.0	5.6	2.9	3.5	3.4	4.0	4.5
8H	4.2	4.7	4.7	5.2	5.8	3.0	3.6	3.6	4.1	4.7

Calculate in accordance with CIE 190:2010

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 80  
 Test Type: TYPE C  
 Temperature: 23  
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.920 m  
 Humidity: 88  
 Inspector:

**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)	B1 U2 G1
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B1 U2 G1

C Plane (°):0.0-360.0: 30.0  
Test Lab: 80  
Test Type: TYPE C  
Temperature: 23  
Operator: QIU

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1600L  
Distance: 8.920 m  
Humidity: 88  
Inspector:

## Utilisation Factor Table(Floor cavity)

Utilisation Factors UF(F)			SHR NOM = 1.25									
Room Reflectance			Room Index(RI)									
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
	0.30		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
	0.20		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
0.50	0.50	0.20	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
	0.30		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
	0.20		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
0.30	0.50	0.20	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
	0.30		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
	0.20		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
<p>Rating: 21W Photometrically tested without ceiling board.                      Multiply UF values by service correction factors                      Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>												

## Utilisation Factor Table(Wall)

Utilisation Factors UF(W)			SHR NOM = 1.25									
Room Reflectance			Room Index(RI)									
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	
	0.30		0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	
	0.20		0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	
0.50	0.50	0.20	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	
	0.30		0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	
	0.20		0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	
0.30	0.50	0.20	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	
	0.30		0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	
	0.20		0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
<p>Rating: 21W Photometrically tested without ceiling board.                      Multiply UF values by service correction factors                      Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>												

## Utilisation Factor Table(Ceiling cavity)

Utilisation Factors UF(C)			SHR NOM = 1.25									
Room Reflectance			Room Index(RI)									
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.30		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.20		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.50	0.50	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.30		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.20		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.30	0.50	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.30		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.20		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
<p>Rating: 21W Photometrically tested without ceiling board.                      Multiply UF values by service correction factors                      Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>												



## Zonal Lumen

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	951.9	0.9	0.9	0.00	0.00
1.0-2.0	951.5	2.7	3.6	0.00	0.00
2.0-3.0	950.6	4.5	8.2	0.00	0.00
3.0-4.0	949.3	6.4	14.5	0.00	0.01
4.0-5.0	947.6	8.2	22.7	0.00	0.01
5.0-6.0	945.5	9.9	32.6	0.00	0.01
6.0-7.0	942.9	11.7	44.3	0.01	0.02
7.0-8.0	939.9	13.5	57.8	0.01	0.03
8.0-9.0	936.5	15.2	73.0	0.01	0.03
9.0-10.0	932.6	16.9	89.9	0.01	0.04
10.0-11.0	928.4	18.6	108.4	0.01	0.05
11.0-12.0	923.7	20.2	128.6	0.01	0.06
12.0-13.0	918.6	21.8	150.4	0.01	0.07
13.0-14.0	913.1	23.4	173.8	0.01	0.08
14.0-15.0	907.3	24.9	198.7	0.01	0.09
15.0-16.0	900.9	26.4	225.1	0.01	0.10
16.0-17.0	894.3	27.9	252.9	0.01	0.12
17.0-18.0	887.4	29.3	282.2	0.01	0.13
18.0-19.0	880.1	30.6	312.8	0.01	0.14
19.0-20.0	872.4	31.9	344.8	0.01	0.16
20.0-21.0	864.2	33.2	378.0	0.02	0.17
21.0-22.0	855.8	34.4	412.3	0.02	0.19
22.0-23.0	847.1	35.5	447.9	0.02	0.21
23.0-24.0	838.1	36.6	484.5	0.02	0.22
24.0-25.0	828.8	37.7	522.2	0.02	0.24
25.0-26.0	819.2	38.7	560.9	0.02	0.26
26.0-27.0	809.4	39.6	600.5	0.02	0.27
27.0-28.0	799.3	40.5	641.0	0.02	0.29
28.0-29.0	789.0	41.3	682.3	0.02	0.31
29.0-30.0	778.3	42.0	724.3	0.02	0.33
30.0-31.0	767.3	42.7	767.0	0.02	0.35
31.0-32.0	756.1	43.3	810.3	0.02	0.37
32.0-33.0	744.6	43.9	854.2	0.02	0.39
33.0-34.0	733.0	44.4	898.6	0.02	0.41
34.0-35.0	721.4	44.8	943.4	0.02	0.43
35.0-36.0	709.5	45.2	988.5	0.02	0.45

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 80  
 Test Type: TYPE C  
 Temperature: 23  
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.920 m  
 Humidity: 88  
 Inspector:

## Zonal Lumen (Continue 1)

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	697.5	45.5	1034.0	0.02	0.47
37.0-38.0	685.2	45.7	1079.8	0.02	0.49
38.0-39.0	672.7	45.9	1125.7	0.02	0.52
39.0-40.0	659.9	46.0	1171.7	0.02	0.54
40.0-41.0	646.9	46.1	1217.8	0.02	0.56
41.0-42.0	633.9	46.1	1263.9	0.02	0.58
42.0-43.0	620.9	46.0	1309.9	0.02	0.60
43.0-44.0	607.8	45.9	1355.8	0.02	0.62
44.0-45.0	594.5	45.7	1401.4	0.02	0.64
45.0-46.0	581.0	45.4	1446.9	0.02	0.66
46.0-47.0	567.2	45.1	1492.0	0.02	0.68
47.0-48.0	553.7	44.8	1536.8	0.02	0.70
48.0-49.0	539.9	44.3	1581.1	0.02	0.72
49.0-50.0	525.7	43.8	1625.0	0.02	0.74
50.0-51.0	511.4	43.3	1668.2	0.02	0.76
51.0-52.0	497.4	42.7	1710.9	0.02	0.78
52.0-53.0	483.3	42.0	1753.0	0.02	0.80
53.0-54.0	468.9	41.3	1794.3	0.02	0.82
54.0-55.0	454.2	40.5	1834.8	0.02	0.84
55.0-56.0	439.6	39.7	1874.6	0.02	0.86
56.0-57.0	425.0	38.9	1913.4	0.02	0.88
57.0-58.0	410.1	37.9	1951.4	0.02	0.89
58.0-59.0	395.2	37.0	1988.3	0.02	0.91
59.0-60.0	380.4	35.9	2024.3	0.02	0.93
60.0-61.0	365.5	34.9	2059.1	0.02	0.94
61.0-62.0	350.2	33.8	2092.9	0.02	0.96
62.0-63.0	335.2	32.6	2125.5	0.01	0.97
63.0-64.0	320.0	31.4	2156.9	0.01	0.99
64.0-65.0	304.6	30.2	2187.1	0.01	1.00
65.0-66.0	289.4	28.9	2215.9	0.01	1.01
66.0-67.0	274.3	27.6	2243.5	0.01	1.03
67.0-68.0	259.0	26.2	2269.8	0.01	1.04
68.0-69.0	243.7	24.9	2294.6	0.01	1.05
69.0-70.0	228.4	23.5	2318.1	0.01	1.06
70.0-71.0	213.1	22.0	2340.1	0.01	1.07
71.0-72.0	198.0	20.6	2360.7	0.01	1.08

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 80  
 Test Type: TYPE C  
 Temperature: 23  
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.920 m  
 Humidity: 88  
 Inspector:

## Zonal Lumen (Continue 2)

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	183.0	19.1	2379.8	0.01	1.09
73.0-74.0	168.1	17.7	2397.5	0.01	1.10
74.0-75.0	153.4	16.2	2413.7	0.01	1.10
75.0-76.0	139.0	14.8	2428.5	0.01	1.11
76.0-77.0	125.0	13.3	2441.8	0.01	1.12
77.0-78.0	111.3	11.9	2453.7	0.01	1.12
78.0-79.0	98.1	10.5	2464.3	0.00	1.13
79.0-80.0	85.5	9.2	2473.5	0.00	1.13
80.0-81.0	73.5	7.9	2481.4	0.00	1.14
81.0-82.0	62.3	6.8	2488.2	0.00	1.14
82.0-83.0	52.0	5.7	2493.8	0.00	1.14
83.0-84.0	42.6	4.6	2498.5	0.00	1.14
84.0-85.0	34.3	3.7	2502.2	0.00	1.15
85.0-86.0	27.2	3.0	2505.2	0.00	1.15
86.0-87.0	21.1	2.3	2507.5	0.00	1.15
87.0-88.0	16.0	1.7	2509.2	0.00	1.15
88.0-89.0	11.8	1.3	2510.5	0.00	1.15
89.0-90.0	8.4	0.9	2511.5	0.00	1.15
90.0-91.0	6.0	0.7	2512.1	0.00	1.15
91.0-92.0	4.4	0.5	2512.6	0.00	1.15
92.0-93.0	3.5	0.4	2513.0	0.00	1.15
93.0-94.0	2.9	0.3	2513.3	0.00	1.15
94.0-95.0	2.4	0.3	2513.6	0.00	1.15
95.0-96.0	2.2	0.2	2513.8	0.00	1.15
96.0-97.0	2.2	0.2	2514.0	0.00	1.15
97.0-98.0	2.2	0.2	2514.3	0.00	1.15
98.0-99.0	2.3	0.2	2514.5	0.00	1.15
99.0-100.0	2.3	0.3	2514.8	0.00	1.15
100.0-101.0	2.4	0.3	2515.0	0.00	1.15
101.0-102.0	2.5	0.3	2515.3	0.00	1.15
102.0-103.0	2.6	0.3	2515.6	0.00	1.15
103.0-104.0	2.7	0.3	2515.9	0.00	1.15
104.0-105.0	2.8	0.3	2516.2	0.00	1.15
105.0-106.0	2.9	0.3	2516.5	0.00	1.15
106.0-107.0	3.1	0.3	2516.8	0.00	1.15
107.0-108.0	3.2	0.3	2517.1	0.00	1.15

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 80  
 Test Type: TYPE C  
 Temperature: 23  
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.920 m  
 Humidity: 88  
 Inspector:

### Zonal Lumen (Continue 3)

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	3.3	0.3	2517.5	0.00	1.15
109.0-110.0	3.4	0.3	2517.8	0.00	1.15
110.0-111.0	3.5	0.4	2518.2	0.00	1.15
111.0-112.0	3.6	0.4	2518.6	0.00	1.15
112.0-113.0	3.7	0.4	2518.9	0.00	1.15
113.0-114.0	3.9	0.4	2519.3	0.00	1.15
114.0-115.0	4.0	0.4	2519.7	0.00	1.15
115.0-116.0	4.1	0.4	2520.1	0.00	1.15
116.0-117.0	4.2	0.4	2520.5	0.00	1.15
117.0-118.0	4.3	0.4	2521.0	0.00	1.15
118.0-119.0	4.4	0.4	2521.4	0.00	1.15
119.0-120.0	4.6	0.4	2521.8	0.00	1.15
120.0-121.0	4.7	0.4	2522.3	0.00	1.15
121.0-122.0	4.8	0.4	2522.7	0.00	1.15
122.0-123.0	4.9	0.5	2523.2	0.00	1.16
123.0-124.0	5.1	0.5	2523.6	0.00	1.16
124.0-125.0	5.2	0.5	2524.1	0.00	1.16
125.0-126.0	5.3	0.5	2524.6	0.00	1.16
126.0-127.0	5.4	0.5	2525.1	0.00	1.16
127.0-128.0	5.5	0.5	2525.5	0.00	1.16
128.0-129.0	5.7	0.5	2526.0	0.00	1.16
129.0-130.0	5.8	0.5	2526.5	0.00	1.16
130.0-131.0	5.9	0.5	2527.0	0.00	1.16
131.0-132.0	6.1	0.5	2527.5	0.00	1.16
132.0-133.0	6.2	0.5	2528.0	0.00	1.16
133.0-134.0	6.3	0.5	2528.5	0.00	1.16
134.0-135.0	6.4	0.5	2529.0	0.00	1.16
135.0-136.0	6.6	0.5	2529.5	0.00	1.16
136.0-137.0	6.7	0.5	2530.0	0.00	1.16
137.0-138.0	6.8	0.5	2530.5	0.00	1.16
138.0-139.0	6.9	0.5	2531.0	0.00	1.16
139.0-140.0	7.1	0.5	2531.5	0.00	1.16
140.0-141.0	7.2	0.5	2532.0	0.00	1.16
141.0-142.0	7.3	0.5	2532.5	0.00	1.16
142.0-143.0	7.4	0.5	2533.0	0.00	1.16
143.0-144.0	7.5	0.5	2533.5	0.00	1.16

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 80  
 Test Type: TYPE C  
 Temperature: 23  
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.920 m  
 Humidity: 88  
 Inspector:

### Zonal Lumen (Continue 4)

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	7.7	0.5	2534.0	0.00	1.16
145.0-146.0	7.8	0.5	2534.5	0.00	1.16
146.0-147.0	7.9	0.5	2535.0	0.00	1.16
147.0-148.0	8.0	0.5	2535.4	0.00	1.16
148.0-149.0	8.1	0.5	2535.9	0.00	1.16
149.0-150.0	8.3	0.5	2536.4	0.00	1.16
150.0-151.0	8.4	0.5	2536.8	0.00	1.16
151.0-152.0	8.5	0.4	2537.3	0.00	1.16
152.0-153.0	8.6	0.4	2537.7	0.00	1.16
153.0-154.0	8.7	0.4	2538.1	0.00	1.16
154.0-155.0	8.7	0.4	2538.5	0.00	1.16
155.0-156.0	8.8	0.4	2538.9	0.00	1.16
156.0-157.0	8.9	0.4	2539.3	0.00	1.16
157.0-158.0	9.0	0.4	2539.7	0.00	1.16
158.0-159.0	9.1	0.4	2540.1	0.00	1.16
159.0-160.0	9.2	0.4	2540.4	0.00	1.16
160.0-161.0	9.3	0.3	2540.8	0.00	1.16
161.0-162.0	9.3	0.3	2541.1	0.00	1.16
162.0-163.0	9.4	0.3	2541.4	0.00	1.16
163.0-164.0	9.4	0.3	2541.7	0.00	1.16
164.0-165.0	9.5	0.3	2542.0	0.00	1.16
165.0-166.0	9.5	0.3	2542.2	0.00	1.16
166.0-167.0	9.6	0.2	2542.5	0.00	1.16
167.0-168.0	9.7	0.2	2542.7	0.00	1.16
168.0-169.0	9.8	0.2	2542.9	0.00	1.16
169.0-170.0	9.8	0.2	2543.1	0.00	1.16
170.0-171.0	9.9	0.2	2543.3	0.00	1.16
171.0-172.0	9.9	0.2	2543.5	0.00	1.16
172.0-173.0	10.0	0.1	2543.6	0.00	1.16
173.0-174.0	10.0	0.1	2543.7	0.00	1.16
174.0-175.0	10.1	0.1	2543.8	0.00	1.16
175.0-176.0	10.1	0.1	2543.9	0.00	1.16
176.0-177.0	10.1	0.1	2544.0	0.00	1.16
177.0-178.0	10.2	0.0	2544.0	0.00	1.16
178.0-179.0	10.2	0.0	2544.1	0.00	1.16
179.0-180.0	10.2	0.0	2544.1	0.00	1.16

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 80  
 Test Type: TYPE C  
 Temperature: 23  
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.920 m  
 Humidity: 88  
 Inspector:

## Candlepower Table

Unit: cd

G\C	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0
G0.0	955.2	953.1	951.9	951.3	950.6	950.5	955.2	953.1	951.9	951.3
G1.0	956.0	954.0	952.5	951.2	949.9	949.4	953.8	951.7	950.9	950.7
G2.0	956.5	954.5	952.5	950.7	948.8	947.8	951.9	949.9	949.5	949.7
G3.0	956.6	954.6	952.3	950.0	947.3	945.8	949.8	947.8	947.5	948.4
G4.0	956.2	954.0	951.6	948.8	945.5	943.6	947.0	945.1	945.3	946.7
G5.0	955.4	953.3	950.8	947.3	943.4	940.8	943.8	942.0	942.5	944.5
G6.0	954.2	952.1	949.2	945.4	940.6	937.7	940.3	938.5	939.1	941.7
G7.0	952.6	950.4	947.4	942.8	937.4	934.1	936.2	934.6	935.7	938.6
G8.0	950.5	948.3	944.8	939.9	934.0	930.0	932.0	930.2	931.6	935.3
G9.0	947.9	946.0	942.1	936.6	929.8	925.5	927.0	925.4	927.2	931.0
G10.0	944.8	943.2	939.0	932.9	925.4	920.9	921.8	920.0	922.0	927.0
G11.0	941.6	939.7	935.3	928.5	920.5	915.5	916.1	914.6	917.0	922.1
G12.0	937.7	936.1	931.4	924.1	915.2	910.0	910.0	908.5	911.3	916.8
G13.0	933.6	931.8	926.6	919.0	909.7	904.0	903.8	902.4	905.4	911.3
G14.0	929.1	927.3	921.8	913.5	903.5	897.5	896.9	895.5	898.7	905.2
G15.0	924.1	922.5	916.4	907.6	897.2	891.0	889.9	888.3	891.8	898.8
G16.0	918.6	917.2	910.8	901.2	890.0	884.0	882.2	880.6	884.2	891.7
G17.0	913.0	911.7	905.0	894.6	883.2	876.3	874.6	872.9	876.7	884.7
G18.0	906.9	906.0	899.0	887.7	875.5	868.3	866.0	864.7	868.7	876.9
G19.0	900.3	900.0	892.6	880.5	867.8	860.3	857.7	856.3	860.4	869.2
G20.0	893.5	893.5	885.3	872.9	859.5	851.9	848.6	847.2	851.3	860.9
G21.0	886.4	885.8	877.0	865.1	851.2	843.3	839.6	838.2	842.6	852.1
G22.0	878.7	877.6	868.9	856.4	842.0	834.3	829.9	828.8	833.2	843.0
G23.0	871.3	869.6	860.8	848.1	833.4	824.9	820.4	819.1	823.4	833.8
G24.0	863.5	861.5	852.2	839.3	823.7	815.5	809.9	808.7	813.5	824.1
G25.0	855.4	853.0	843.7	830.3	814.0	805.6	799.5	798.7	803.2	814.2
G26.0	847.3	844.4	834.5	820.3	804.0	795.4	789.2	788.1	792.6	803.6
G27.0	838.4	835.8	825.8	810.8	793.8	785.0	778.1	776.7	782.0	793.5
G28.0	828.4	827.6	816.6	800.6	783.3	774.3	766.9	766.0	770.8	782.4
G29.0	818.6	818.9	807.4	790.2	772.7	763.6	755.6	754.2	759.7	771.6
G30.0	808.8	808.4	796.7	779.5	761.5	752.4	744.0	742.6	747.5	760.3
G31.0	798.8	797.5	785.8	768.9	750.5	741.0	732.5	730.4	736.0	748.9
G32.0	788.4	786.9	774.8	757.9	739.2	729.6	720.3	718.6	723.7	737.1
G33.0	777.8	776.3	763.7	746.8	727.9	718.0	707.7	706.3	711.5	725.1
G34.0	767.3	765.5	752.8	735.0	715.9	706.0	695.6	693.9	699.2	713.0
G35.0	757.0	754.8	741.8	724.1	703.8	694.1	682.9	681.3	686.9	700.6
G36.0	746.1	743.5	730.8	713.2	691.6	681.6	670.3	668.4	673.8	688.2

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 80  
 Test Type: TYPE C  
 Temperature: 23  
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.920 m  
 Humidity: 88  
 Inspector:

## Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0
G37.0	735.8	732.0	720.1	702.5	679.6	669.3	657.0	655.0	660.6	675.2
G38.0	724.8	720.4	707.2	688.9	666.8	656.7	644.1	642.0	647.6	662.5
G39.0	713.0	708.9	694.9	676.1	654.6	644.2	631.0	628.6	634.4	648.8
G40.0	699.9	697.0	682.5	663.0	641.4	631.1	617.5	615.1	620.9	636.1
G41.0	687.3	685.4	670.4	650.2	628.8	618.3	603.7	601.2	607.0	622.3
G42.0	675.1	673.1	657.8	637.5	615.6	604.6	590.6	587.6	593.1	609.2
G43.0	663.2	661.0	645.5	625.6	602.9	591.6	576.1	573.7	579.4	595.2
G44.0	650.7	648.1	632.4	613.3	589.2	578.3	562.3	560.1	565.3	581.5
G45.0	638.3	635.8	619.9	601.5	575.9	564.9	548.3	545.2	551.1	567.6
G46.0	625.7	622.5	607.0	586.2	562.2	551.2	534.0	531.0	536.9	553.6
G47.0	613.0	610.3	595.2	572.0	549.0	537.6	519.7	516.6	521.8	539.0
G48.0	600.0	598.2	585.2	558.1	534.9	523.8	505.5	502.0	507.6	524.7
G49.0	587.3	587.3	569.2	544.8	520.8	509.7	490.8	486.8	492.8	510.1
G50.0	574.1	571.3	554.0	530.5	506.9	495.5	476.1	472.1	478.0	495.9
G51.0	560.9	557.8	540.7	516.9	493.0	481.2	461.3	457.5	462.7	480.7
G52.0	547.5	544.5	530.2	503.0	479.1	466.9	446.3	442.6	447.9	465.9
G53.0	533.9	532.7	515.3	488.8	464.7	453.1	431.5	426.9	432.9	451.1
G54.0	520.6	518.6	499.0	475.1	450.2	438.2	416.8	412.2	418.0	436.3
G55.0	507.1	503.9	485.0	461.1	435.9	424.1	401.5	396.4	401.8	420.7
G56.0	493.2	490.1	470.8	449.2	421.2	409.0	386.6	381.3	386.9	405.4
G57.0	479.7	476.1	456.9	433.5	407.2	394.9	370.7	365.4	371.1	390.0
G58.0	466.0	462.4	442.5	417.5	391.6	379.6	355.5	350.6	355.8	374.9
G59.0	451.9	448.2	429.1	403.0	376.8	365.0	340.4	334.2	339.1	358.7
G60.0	437.1	434.0	416.9	391.1	362.2	350.0	324.5	318.8	324.0	343.7
G61.0	423.6	419.7	399.2	374.6	347.1	334.9	308.9	303.0	308.1	327.6
G62.0	409.1	405.2	386.5	358.5	332.3	319.6	293.9	287.1	292.5	312.6
G63.0	395.2	391.3	372.1	343.8	317.4	304.3	277.8	271.6	276.9	296.3
G64.0	380.6	376.6	355.7	329.0	302.3	289.2	262.3	255.9	260.8	280.8
G65.0	366.3	361.9	341.0	313.8	286.9	274.5	246.3	239.7	244.5	265.0
G66.0	351.5	347.5	326.0	301.1	272.0	259.1	230.3	223.8	228.6	249.2
G67.0	336.5	332.8	313.4	284.6	256.6	243.8	215.3	208.1	213.1	233.5
G68.0	322.2	318.0	296.6	270.0	241.4	229.1	199.3	192.6	197.3	218.1
G69.0	307.4	303.2	283.0	254.6	226.5	213.5	184.1	176.9	181.5	202.0
G70.0	292.9	288.6	266.9	238.8	211.3	198.6	168.6	161.0	165.8	186.8
G71.0	278.0	273.6	251.7	223.9	196.0	183.4	152.9	145.9	150.4	170.5
G72.0	263.1	259.0	236.8	211.2	181.6	168.5	138.1	130.6	135.4	155.5
G73.0	248.2	244.0	221.9	194.9	166.2	153.1	123.5	115.8	120.4	140.8

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 80  
 Test Type: TYPE C  
 Temperature: 23  
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.920 m  
 Humidity: 88  
 Inspector:

## Candlepower Table (Continue 2)

Unit: cd

G\C	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0
G74.0	233.6	229.3	207.4	179.8	151.7	138.6	108.6	100.8	105.9	126.1
G75.0	219.1	214.1	191.7	164.2	137.2	124.4	94.6	87.0	92.3	111.4
G76.0	204.3	199.6	177.3	151.1	123.0	110.1	80.9	73.1	78.7	98.0
G77.0	189.3	184.6	163.1	136.2	109.1	96.0	68.1	60.4	65.8	84.7
G78.0	175.0	170.3	148.7	122.9	95.7	82.9	55.4	48.6	54.6	72.3
G79.0	160.3	155.8	134.2	109.2	82.5	69.8	44.0	37.3	44.2	60.5
G80.0	145.6	141.5	120.1	96.8	70.4	57.6	33.1	27.8	34.9	49.9
G81.0	131.8	126.7	106.5	82.6	58.7	46.0	23.7	20.1	26.3	40.2
G82.0	117.8	113.4	93.7	71.6	48.3	35.8	15.8	13.6	18.9	31.2
G83.0	104.1	99.5	80.6	60.5	38.7	26.4	9.4	8.6	12.8	22.9
G84.0	90.5	86.0	69.3	50.5	30.0	18.9	4.8	5.3	8.0	15.8
G85.0	77.4	72.8	57.7	41.0	22.4	12.6	2.6	3.4	4.7	10.2
G86.0	65.0	60.5	47.9	32.2	15.8	7.8	2.0	2.5	2.8	5.8
G87.0	53.1	48.5	38.2	24.8	10.4	4.5	1.7	1.9	2.1	3.3
G88.0	42.6	37.5	29.7	18.3	6.3	2.8	1.5	1.5	1.7	1.9
G89.0	32.8	26.5	21.7	12.9	3.7	2.3	1.5	1.4	1.6	1.8
G90.0	24.2	17.6	14.2	8.5	2.6	2.1	1.6	1.5	1.6	1.8
G91.0	17.1	12.1	9.0	5.2	2.3	2.0	1.6	1.5	1.6	1.8
G92.0	11.8	8.3	6.8	3.9	2.2	1.9	1.7	1.6	1.7	1.8
G93.0	8.7	5.5	5.2	3.1	2.1	2.0	1.8	1.7	1.7	1.8
G94.0	4.8	3.8	4.2	2.7	2.1	2.1	1.9	1.8	1.7	1.8
G95.0	2.4	3.0	3.5	2.4	2.2	2.1	2.0	1.9	1.8	1.8
G96.0	2.4	2.6	2.8	2.3	2.3	2.2	2.1	2.0	1.8	1.9
G97.0	2.4	2.4	2.5	2.3	2.4	2.3	2.2	2.1	1.9	1.9
G98.0	2.4	2.3	2.5	2.4	2.5	2.4	2.3	2.1	2.0	2.0
G99.0	2.4	2.3	2.5	2.5	2.6	2.5	2.4	2.2	2.1	2.0
G100.0	2.5	2.4	2.6	2.6	2.7	2.6	2.5	2.3	2.2	2.1
G101.0	2.6	2.5	2.7	2.7	2.8	2.7	2.6	2.4	2.3	2.2
G102.0	2.7	2.6	2.7	2.8	2.8	2.8	2.7	2.5	2.4	2.3
G103.0	2.8	2.7	2.8	2.9	3.0	2.9	2.8	2.6	2.5	2.4
G104.0	2.8	2.8	3.0	3.0	3.0	3.0	2.9	2.7	2.6	2.5
G105.0	3.0	3.0	3.0	3.1	3.2	3.2	3.0	2.8	2.7	2.6
G106.0	3.1	3.1	3.2	3.3	3.3	3.3	3.1	2.9	2.8	2.7
G107.0	3.2	3.2	3.3	3.4	3.4	3.4	3.2	3.0	2.9	2.8
G108.0	3.3	3.3	3.4	3.5	3.5	3.5	3.3	3.2	3.0	2.9
G109.0	3.4	3.4	3.5	3.6	3.6	3.6	3.4	3.2	3.1	3.0
G110.0	3.5	3.6	3.6	3.7	3.8	3.8	3.5	3.4	3.2	3.1

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 80  
 Test Type: TYPE C  
 Temperature: 23  
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.920 m  
 Humidity: 88  
 Inspector:



### Candlepower Table (Continue 3)

Unit: cd

G\C	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0
G111.0	3.7	3.7	3.8	3.8	3.9	3.9	3.6	3.5	3.3	3.2
G112.0	3.8	3.8	3.9	4.0	4.0	4.0	3.8	3.6	3.4	3.4
G113.0	3.9	4.0	4.0	4.1	4.1	4.1	3.9	3.7	3.5	3.5
G114.0	4.0	4.1	4.2	4.2	4.3	4.2	4.0	3.8	3.6	3.6
G115.0	4.2	4.2	4.3	4.4	4.4	4.3	4.1	3.9	3.8	3.7
G116.0	4.3	4.3	4.4	4.5	4.5	4.5	4.2	4.0	3.9	3.8
G117.0	4.4	4.5	4.5	4.6	4.6	4.6	4.3	4.1	4.0	3.9
G118.0	4.5	4.6	4.7	4.7	4.7	4.7	4.4	4.2	4.1	4.0
G119.0	4.7	4.7	4.8	4.9	4.9	4.8	4.5	4.3	4.2	4.2
G120.0	4.8	4.8	4.9	5.0	5.0	5.0	4.7	4.5	4.3	4.3
G121.0	4.9	5.0	5.0	5.1	5.1	5.1	4.8	4.6	4.4	4.4
G122.0	5.0	5.1	5.2	5.3	5.3	5.2	4.9	4.7	4.5	4.5
G123.0	5.1	5.2	5.3	5.4	5.4	5.4	5.0	4.8	4.7	4.6
G124.0	5.4	5.3	5.4	5.5	5.5	5.5	5.2	4.9	4.8	4.7
G125.0	5.4	5.4	5.5	5.6	5.6	5.6	5.3	5.1	4.9	4.8
G126.0	5.5	5.6	5.6	5.8	5.8	5.7	5.4	5.2	5.0	5.0
G127.0	5.6	5.7	5.8	5.9	5.9	5.8	5.5	5.3	5.1	5.1
G128.0	5.8	5.8	5.9	6.0	6.0	5.9	5.6	5.4	5.3	5.2
G129.0	5.9	5.9	6.0	6.1	6.1	6.1	5.8	5.6	5.4	5.3
G130.0	6.1	6.1	6.2	6.2	6.2	6.2	5.9	5.7	5.6	5.4
G131.0	6.2	6.2	6.3	6.4	6.4	6.3	6.0	5.8	5.8	5.6
G132.0	6.3	6.3	6.4	6.5	6.5	6.5	6.1	6.0	5.9	5.7
G133.0	6.4	6.5	6.5	6.6	6.6	6.6	6.2	6.2	6.0	5.8
G134.0	6.5	6.6	6.7	6.7	6.7	6.7	6.4	6.3	6.1	5.9
G135.0	6.7	6.7	6.7	6.8	6.9	6.8	6.5	6.4	6.2	6.1
G136.0	6.8	6.8	6.9	7.0	7.1	6.9	6.6	6.5	6.3	6.2
G137.0	6.9	7.0	7.0	7.1	7.3	7.1	6.7	6.5	6.4	6.3
G138.0	7.1	7.1	7.1	7.2	7.4	7.2	6.9	6.6	6.5	6.4
G139.0	7.2	7.2	7.3	7.3	7.4	7.3	7.0	6.8	6.6	6.5
G140.0	7.3	7.4	7.4	7.4	7.5	7.4	7.1	6.9	6.7	6.7
G141.0	7.4	7.5	7.5	7.6	7.6	7.6	7.2	7.0	6.8	6.8
G142.0	7.6	7.7	7.6	7.7	7.7	7.7	7.3	7.1	7.0	6.9
G143.0	7.7	7.9	7.7	7.8	7.8	7.8	7.4	7.3	7.1	7.0
G144.0	7.8	8.0	7.9	7.9	7.9	7.9	7.6	7.4	7.2	7.1
G145.0	7.9	8.1	7.9	8.0	8.0	8.0	7.7	7.5	7.3	7.3
G146.0	8.0	8.3	8.1	8.1	8.1	8.1	7.8	7.7	7.4	7.4
G147.0	8.1	8.3	8.2	8.2	8.2	8.2	7.9	7.9	7.5	7.5

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 80  
 Test Type: TYPE C  
 Temperature: 23  
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.920 m  
 Humidity: 88  
 Inspector:

### Candlepower Table (Continue 4)

Unit: cd

G\C	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0
G148.0	8.3	8.4	8.3	8.3	8.3	8.5	8.0	8.2	7.6	7.6
G149.0	8.4	8.4	8.4	8.4	8.4	8.8	8.1	8.3	7.8	7.7
G150.0	8.5	8.5	8.5	8.5	8.5	9.0	8.4	8.4	7.9	7.8
G151.0	8.6	8.6	8.6	8.6	8.6	9.1	8.7	8.3	7.9	7.9
G152.0	8.7	8.7	8.7	8.7	8.7	9.0	8.8	8.3	8.1	8.2
G153.0	8.8	8.7	8.8	8.8	8.7	8.9	8.8	8.4	8.1	8.6
G154.0	8.8	8.9	8.9	8.9	8.9	8.9	8.7	8.4	8.3	8.8
G155.0	9.0	9.0	9.1	9.0	8.9	9.0	8.7	8.5	8.4	8.9
G156.0	9.0	9.1	9.3	9.1	9.0	9.0	8.8	8.6	8.5	8.9
G157.0	9.1	9.2	9.5	9.3	9.1	9.1	8.9	8.7	8.6	8.7
G158.0	9.2	9.4	9.6	9.5	9.2	9.2	8.9	8.8	8.7	8.7
G159.0	9.3	9.5	9.6	9.8	9.3	9.3	9.0	8.9	8.7	8.7
G160.0	9.4	9.6	9.5	9.9	9.3	9.3	9.1	9.0	8.9	8.8
G161.0	9.6	9.6	9.5	9.8	9.4	9.4	9.2	9.1	8.9	8.9
G162.0	9.7	9.6	9.6	9.7	9.5	9.4	9.3	9.2	9.0	9.0
G163.0	9.7	9.6	9.6	9.6	9.5	9.5	9.4	9.3	9.1	9.1
G164.0	9.7	9.6	9.7	9.6	9.6	9.6	9.4	9.4	9.2	9.2
G165.0	9.7	9.7	9.7	9.7	9.7	9.6	9.5	9.4	9.3	9.3
G166.0	9.8	9.7	9.8	9.7	9.7	9.7	9.6	9.5	9.4	9.4
G167.0	9.8	9.8	9.9	9.8	9.8	9.8	9.7	9.6	9.4	9.5
G168.0	9.9	9.9	9.9	9.8	9.8	9.8	9.8	9.6	9.5	9.6
G169.0	9.9	9.9	9.9	9.9	9.9	9.8	9.9	9.7	9.6	9.6
G170.0	10.0	9.9	10.0	9.9	9.9	9.9	9.9	9.8	9.7	9.7
G171.0	10.1	10.0	10.0	10.0	10.0	9.9	10.0	9.8	9.8	9.8
G172.0	10.1	10.0	10.0	10.0	10.0	10.0	10.0	9.9	9.8	9.8
G173.0	10.1	10.0	10.1	10.1	10.0	10.0	10.1	10.0	9.9	9.9
G174.0	10.2	10.1	10.1	10.1	10.0	10.1	10.2	10.0	10.0	9.9
G175.0	10.3	10.1	10.1	10.1	10.1	10.1	10.2	10.1	10.0	10.0
G176.0	10.3	10.1	10.1	10.1	10.1	10.2	10.3	10.1	10.1	10.1
G177.0	10.3	10.1	10.1	10.2	10.1	10.2	10.4	10.1	10.1	10.1
G178.0	10.3	10.1	10.1	10.2	10.1	10.2	10.4	10.1	10.1	10.2
G179.0	10.3	10.1	10.1	10.2	10.1	10.2	10.4	10.1	10.1	10.2
G180.0	10.3	10.1	10.1	10.2	10.1	10.2	10.4	10.1	10.1	10.2

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 80  
 Test Type: TYPE C  
 Temperature: 23  
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.920 m  
 Humidity: 88  
 Inspector:

## Candlepower Table (Continue 5)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G0.0	950.6	950.5	955.2							
G1.0	950.8	950.9	956.0							
G2.0	950.4	951.3	956.5							
G3.0	949.8	951.1	956.6							
G4.0	948.8	950.2	956.2							
G5.0	947.5	949.2	955.4							
G6.0	945.2	947.7	954.2							
G7.0	943.0	945.7	952.6							
G8.0	939.9	943.3	950.5							
G9.0	936.8	940.4	947.9							
G10.0	933.1	937.2	944.8							
G11.0	929.0	933.6	941.6							
G12.0	924.5	929.3	937.7							
G13.0	919.8	924.9	933.6							
G14.0	914.3	920.0	929.1							
G15.0	908.7	914.6	924.1							
G16.0	902.2	908.8	918.6							
G17.0	895.9	902.9	913.0							
G18.0	888.9	896.3	906.9							
G19.0	881.5	889.7	900.3							
G20.0	873.8	882.1	893.5							
G21.0	865.7	874.8	886.4							
G22.0	857.5	866.7	878.7							
G23.0	848.6	858.9	871.3							
G24.0	839.6	850.0	863.5							
G25.0	830.4	841.3	855.4							
G26.0	820.4	832.3	847.3							
G27.0	810.6	822.7	838.4							
G28.0	800.3	812.5	828.4							
G29.0	790.0	803.0	818.6							
G30.0	779.0	792.6	808.8							
G31.0	768.1	782.3	798.8							
G32.0	756.6	771.4	788.4							
G33.0	745.3	760.0	777.8							
G34.0	733.6	748.7	767.3							
G35.0	721.7	737.2	757.0							
G36.0	709.8	725.8	746.1							

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 80  
 Test Type: TYPE C  
 Temperature: 23  
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.920 m  
 Humidity: 88  
 Inspector:

## Candlepower Table (Continue 6)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G37.0	697.2	713.7	735.8							
G38.0	684.9	701.7	724.8							
G39.0	672.3	689.4	713.0							
G40.0	659.2	677.0	699.9							
G41.0	646.2	664.5	687.3							
G42.0	633.4	651.4	675.1							
G43.0	620.0	638.7	663.2							
G44.0	606.4	625.7	650.7							
G45.0	593.3	612.4	638.3							
G46.0	579.4	599.4	625.7							
G47.0	565.0	585.7	613.0							
G48.0	551.3	572.3	600.0							
G49.0	537.0	558.6	587.3							
G50.0	523.0	544.5	574.1							
G51.0	508.6	530.9	560.9							
G52.0	494.1	516.7	547.5							
G53.0	479.9	502.9	533.9							
G54.0	465.1	488.8	520.6							
G55.0	450.5	474.2	507.1							
G56.0	435.6	459.6	493.2							
G57.0	420.4	445.1	479.7							
G58.0	405.3	430.9	466.0							
G59.0	389.8	415.8	451.9							
G60.0	374.8	401.3	437.1							
G61.0	359.5	386.0	423.6							
G62.0	344.4	371.4	409.1							
G63.0	328.9	356.2	395.2							
G64.0	313.3	341.4	380.6							
G65.0	298.0	325.5	366.3							
G66.0	282.5	311.0	351.5							
G67.0	266.9	295.4	336.5							
G68.0	251.2	280.5	322.2							
G69.0	234.9	264.4	307.4							
G70.0	219.9	249.7	292.9							
G71.0	204.3	234.3	278.0							
G72.0	188.8	218.8	263.1							
G73.0	173.4	203.5	248.2							

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 80  
 Test Type: TYPE C  
 Temperature: 23  
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.920 m  
 Humidity: 88  
 Inspector:

## Candlepower Table (Continue 7)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G74.0	158.5	188.2	233.6							
G75.0	143.1	173.1	219.1							
G76.0	128.8	158.8	204.3							
G77.0	114.3	143.9	189.3							
G78.0	99.7	128.6	175.0							
G79.0	86.6	114.5	160.3							
G80.0	73.7	100.3	145.6							
G81.0	61.8	86.9	131.8							
G82.0	50.4	73.3	117.8							
G83.0	40.5	60.7	104.1							
G84.0	31.3	48.5	90.5							
G85.0	23.4	37.7	77.4							
G86.0	16.2	27.9	65.0							
G87.0	10.9	19.8	53.1							
G88.0	6.5	13.6	42.6							
G89.0	3.7	8.6	32.8							
G90.0	2.7	5.2	24.2							
G91.0	2.4	3.2	17.1							
G92.0	2.2	2.7	11.8							
G93.0	2.1	2.4	8.7							
G94.0	2.1	2.1	4.8							
G95.0	2.0	1.9	2.4							
G96.0	2.0	1.8	2.4							
G97.0	1.9	1.8	2.4							
G98.0	1.9	1.9	2.4							
G99.0	2.0	2.0	2.4							
G100.0	2.0	2.1	2.5							
G101.0	2.1	2.2	2.6							
G102.0	2.2	2.3	2.7							
G103.0	2.3	2.3	2.8							
G104.0	2.4	2.5	2.8							
G105.0	2.5	2.6	3.0							
G106.0	2.6	2.7	3.1							
G107.0	2.7	2.8	3.2							
G108.0	2.8	2.9	3.3							
G109.0	2.9	3.0	3.4							
G110.0	3.0	3.1	3.5							

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 80  
 Test Type: TYPE C  
 Temperature: 23  
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.920 m  
 Humidity: 88  
 Inspector:

## Candlepower Table (Continue 8)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G111.0	3.1	3.2	3.7							
G112.0	3.2	3.3	3.8							
G113.0	3.4	3.4	3.9							
G114.0	3.5	3.5	4.0							
G115.0	3.6	3.6	4.2							
G116.0	3.7	3.8	4.3							
G117.0	3.8	3.9	4.4							
G118.0	3.9	4.0	4.5							
G119.0	4.1	4.1	4.7							
G120.0	4.2	4.2	4.8							
G121.0	4.3	4.3	4.9							
G122.0	4.4	4.5	5.0							
G123.0	4.5	4.6	5.1							
G124.0	4.6	4.7	5.4							
G125.0	4.7	4.8	5.4							
G126.0	4.8	4.9	5.5							
G127.0	5.0	5.1	5.6							
G128.0	5.1	5.2	5.8							
G129.0	5.2	5.3	5.9							
G130.0	5.4	5.4	6.1							
G131.0	5.5	5.6	6.2							
G132.0	5.6	5.7	6.3							
G133.0	5.7	5.8	6.4							
G134.0	5.8	5.9	6.5							
G135.0	6.0	6.1	6.7							
G136.0	6.1	6.2	6.8							
G137.0	6.2	6.5	6.9							
G138.0	6.3	6.7	7.1							
G139.0	6.5	6.8	7.2							
G140.0	6.7	6.9	7.3							
G141.0	6.8	7.0	7.4							
G142.0	7.1	7.1	7.6							
G143.0	7.3	7.1	7.7							
G144.0	7.4	7.2	7.8							
G145.0	7.4	7.4	7.9							
G146.0	7.5	7.5	8.0							
G147.0	7.6	7.6	8.1							

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 80  
 Test Type: TYPE C  
 Temperature: 23  
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.920 m  
 Humidity: 88  
 Inspector:

## Candlepower Table (Continue 9)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G148.0	7.6	7.7	8.3							
G149.0	7.8	7.8	8.4							
G150.0	8.1	7.9	8.5							
G151.0	8.5	8.0	8.6							
G152.0	8.6	8.1	8.7							
G153.0	8.7	8.2	8.8							
G154.0	8.5	8.3	8.8							
G155.0	8.4	8.5	9.0							
G156.0	8.4	8.7	9.0							
G157.0	8.5	8.8	9.1							
G158.0	8.6	8.9	9.2							
G159.0	8.7	9.0	9.3							
G160.0	8.8	9.0	9.4							
G161.0	8.9	9.0	9.6							
G162.0	9.0	9.1	9.7							
G163.0	9.1	9.1	9.7							
G164.0	9.1	9.2	9.7							
G165.0	9.2	9.3	9.7							
G166.0	9.3	9.4	9.8							
G167.0	9.4	9.5	9.8							
G168.0	9.5	9.6	9.9							
G169.0	9.6	9.6	9.9							
G170.0	9.6	9.7	10.0							
G171.0	9.7	9.8	10.1							
G172.0	9.8	9.9	10.1							
G173.0	9.8	9.9	10.1							
G174.0	9.9	10.0	10.2							
G175.0	9.9	10.1	10.3							
G176.0	10.0	10.1	10.3							
G177.0	10.1	10.1	10.3							
G178.0	10.1	10.1	10.3							
G179.0	10.1	10.2	10.3							
G180.0	10.1	10.1	10.3							

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 80  
 Test Type: TYPE C  
 Temperature: 23  
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.920 m  
 Humidity: 88  
 Inspector: