

Report No.: 20200708

Test Time: 2020-07-16 14:11

## Luminaire Property

Luminaire Manufacturer:

Luminaire Category: NB

Luminaire Description: MX601ALD30WDD-3FT 120v 4000k 四色温 下沉面罩 4#

Lamp Catalog: 4000K

Number of Lamps: 2

Lumens per Lamp: 2303.4

Luminous Length (mm): 1795

Luminous Width (mm): 70

Luminous Height (mm): 45

Voltage: 118.9 V

Current: 0.265 A

Power: 59.36 W

Power Factor: 0.994

## Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 4606.8 lm

Measurement Flux: 2303.4 lm

Efficiency: 50.00%

Downward Ratio: 49.37%

Upward Ratio: 0.63%

Field Angle: H160.6 V148.8

Beam Angle: H114.4 V107.3

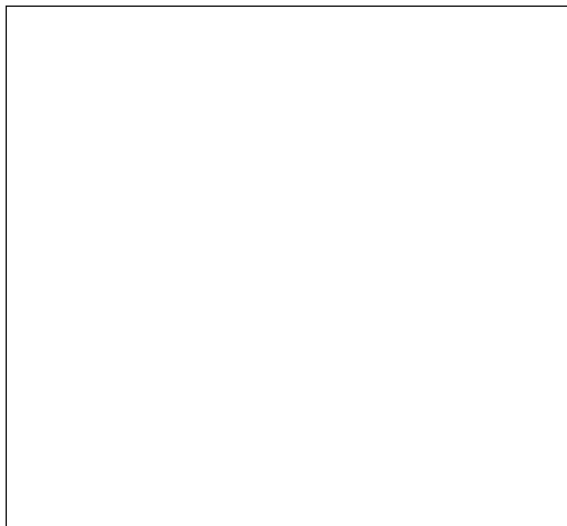
Luminaire Efficacy Rating (LER): 39

Central Intensity: 832.19 cd

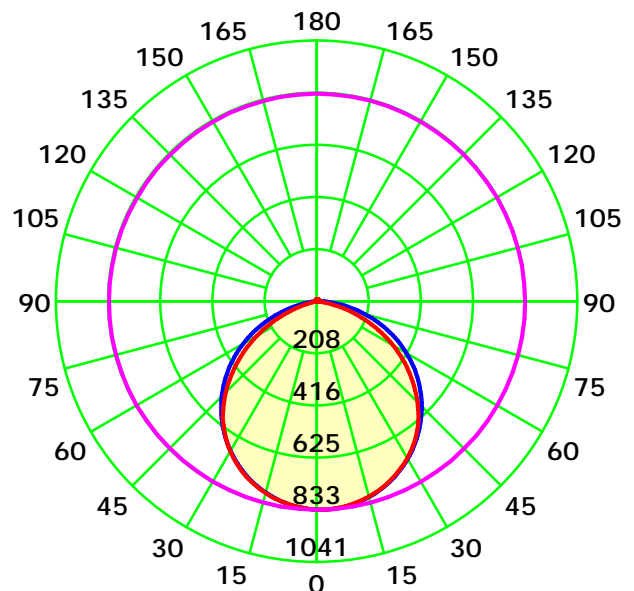
Max. Intensity: 833.4 cd

Pos of Max. Intensity: H60 V2

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 110.9° Unit: cd

— C0-C180 — C90-C270 — G2

C Plane (°):0.0-360.0: 30.0

Test Lab: 70

Test Type: TYPE C

Temperature: 23

Operator: QIU

Gamma Plane (°):0.0-180.0:1.0

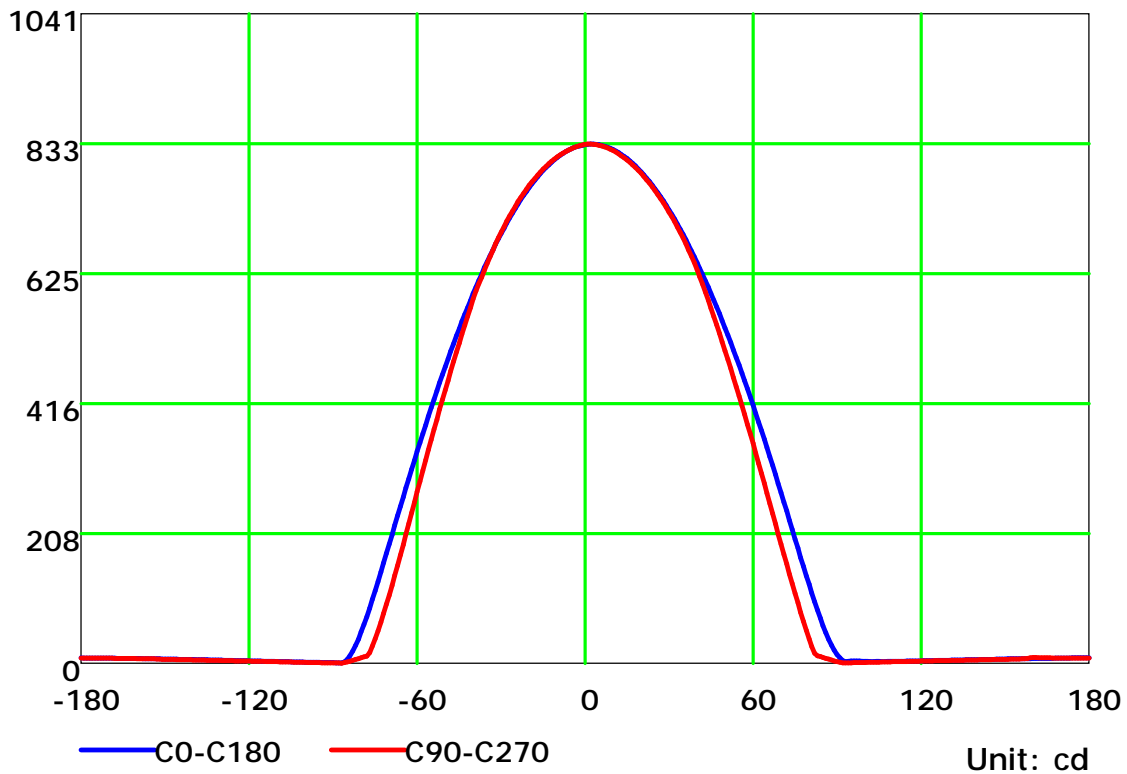
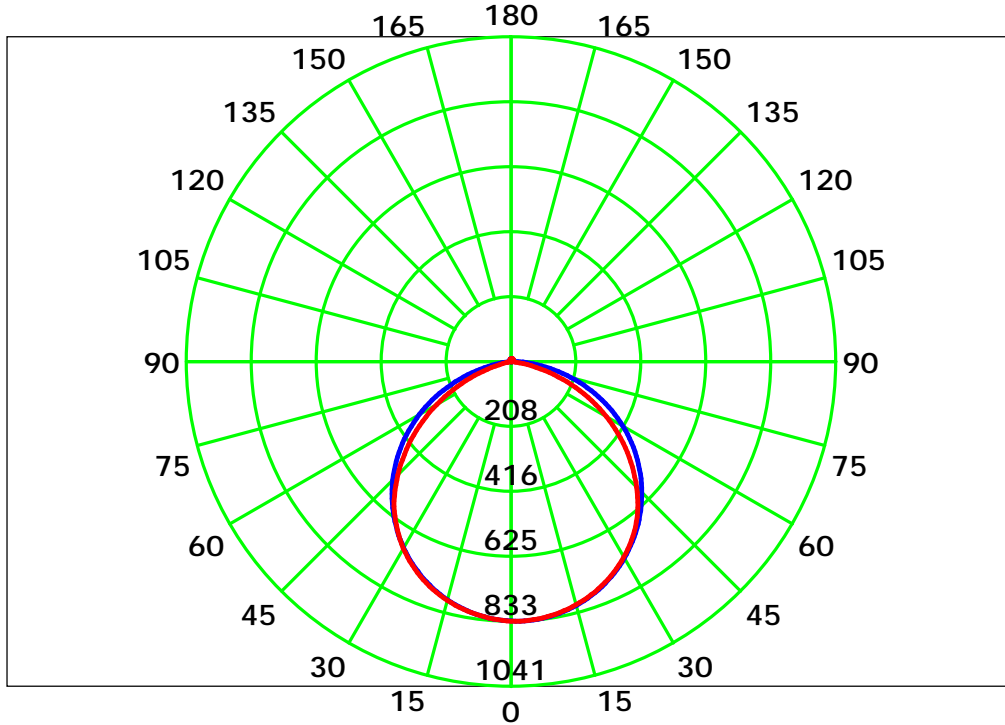
Test Device: GPM-1600L

Distance: 8.690 m

Humidity: 88

Inspector:

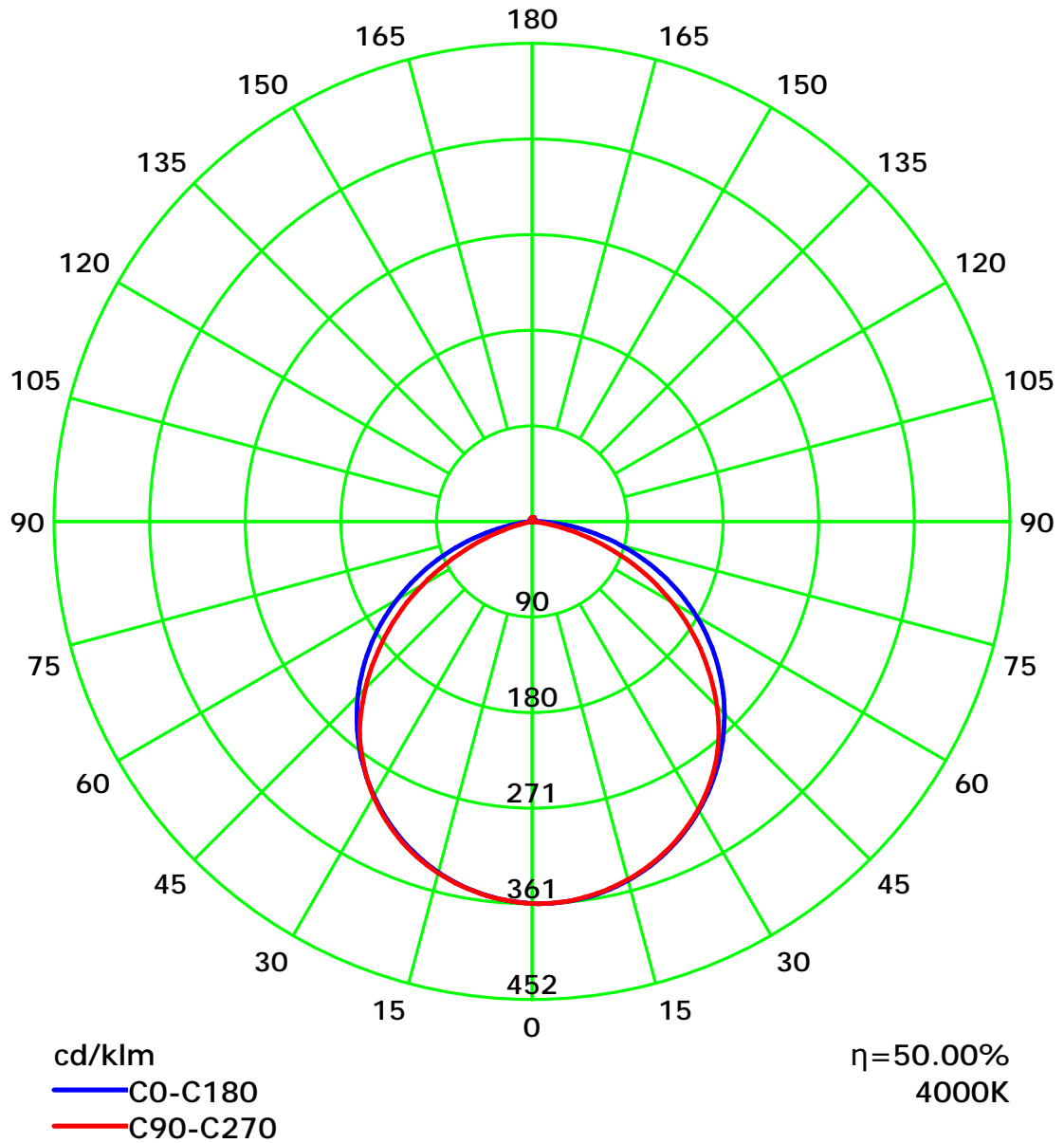
## Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 30.0  
 Test Lab: 70  
 Test Type: TYPE C  
 Temperature: 23  
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.690 m  
 Humidity: 88  
 Inspector:

## Luminous Intensity Distribution Curve(cd/klm)



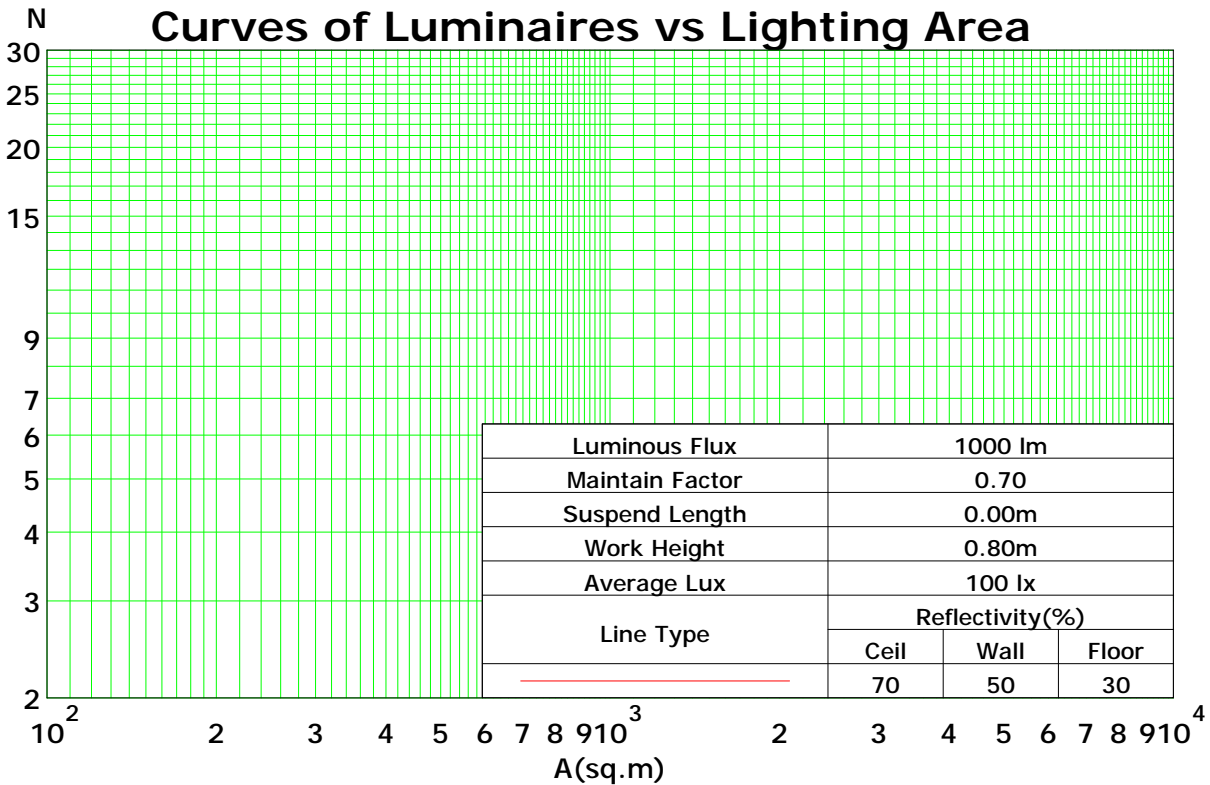
C Plane (°):0.0-360.0: 30.0  
 Test Lab: 70  
 Test Type: TYPE C  
 Temperature: 23  
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.690 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	59	59	59	59	58	58	58	58	55	55	55	53	53	53	50	50	50	49
1	55	52	50	49	53	51	49	48	49	47	46	47	46	45	45	44	43	42
2	50	46	43	40	48	45	42	39	43	40	38	41	39	37	40	38	36	35
3	45	40	36	33	44	40	36	33	38	35	32	36	34	32	35	33	31	30
4	42	36	31	28	40	35	31	28	34	30	28	33	30	27	31	29	27	26
5	38	32	28	24	37	31	27	24	30	27	24	29	26	24	28	25	23	22
6	35	29	24	21	34	28	24	21	27	24	21	26	23	21	26	23	20	19
7	33	26	22	19	32	26	22	19	25	21	18	24	21	18	23	20	18	17
8	31	24	20	17	30	23	19	17	23	19	17	22	19	16	21	18	16	15
9	29	22	18	15	28	22	18	15	21	17	15	20	17	15	20	17	15	14
10	27	20	16	14	26	20	16	14	19	16	13	19	16	13	18	15	13	12

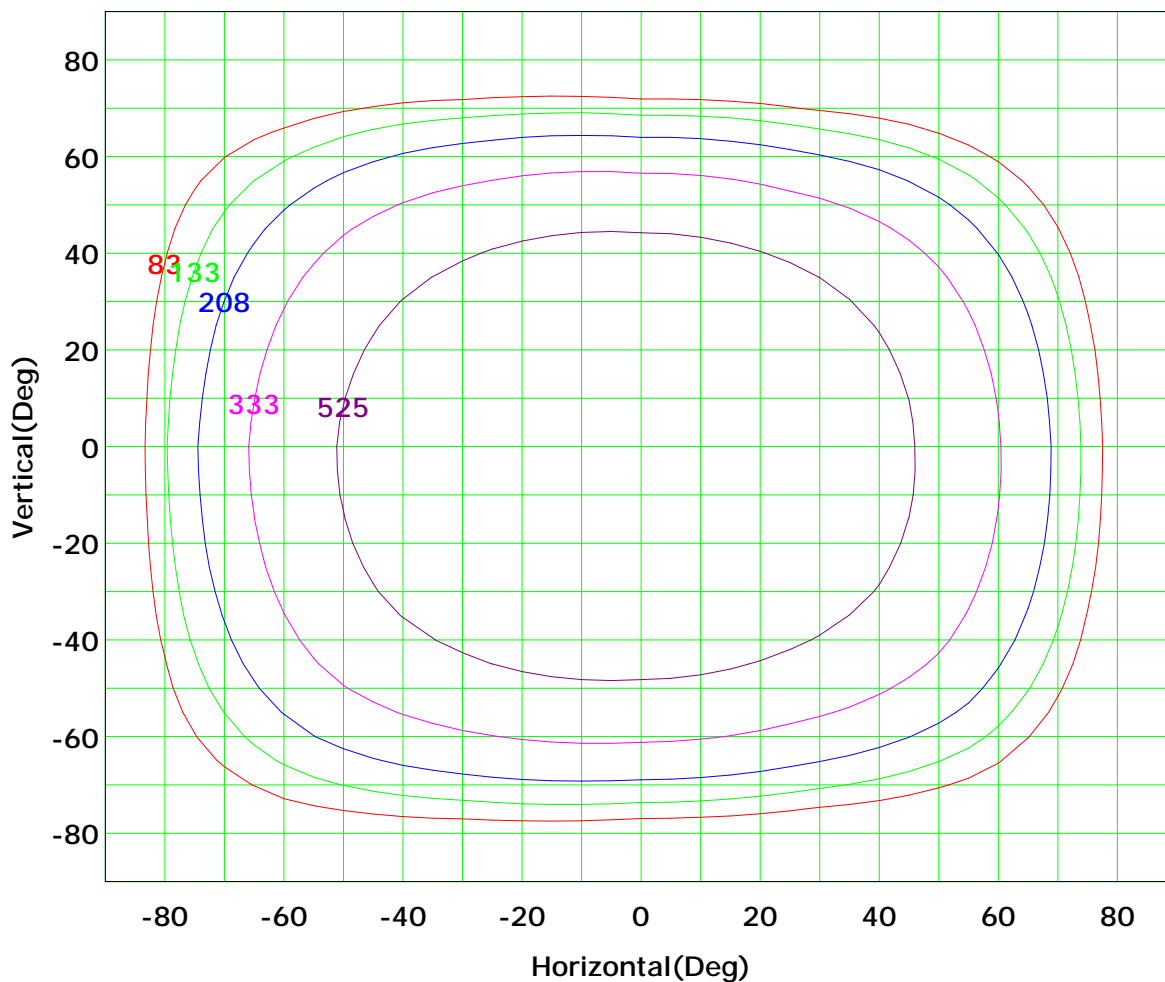
Spacing Criteria (0-180): 1.27  
 Spacing Criteria (90-270): 1.26  
 Spacing Criteria (Diagonal): 1.38



C Plane (°):0.0-360.0: 30.0  
 Test Lab: 70  
 Test Type: TYPE C  
 Temperature: 23  
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.690 m  
 Humidity: 88  
 Inspector:

## Isocandela (rectangle)



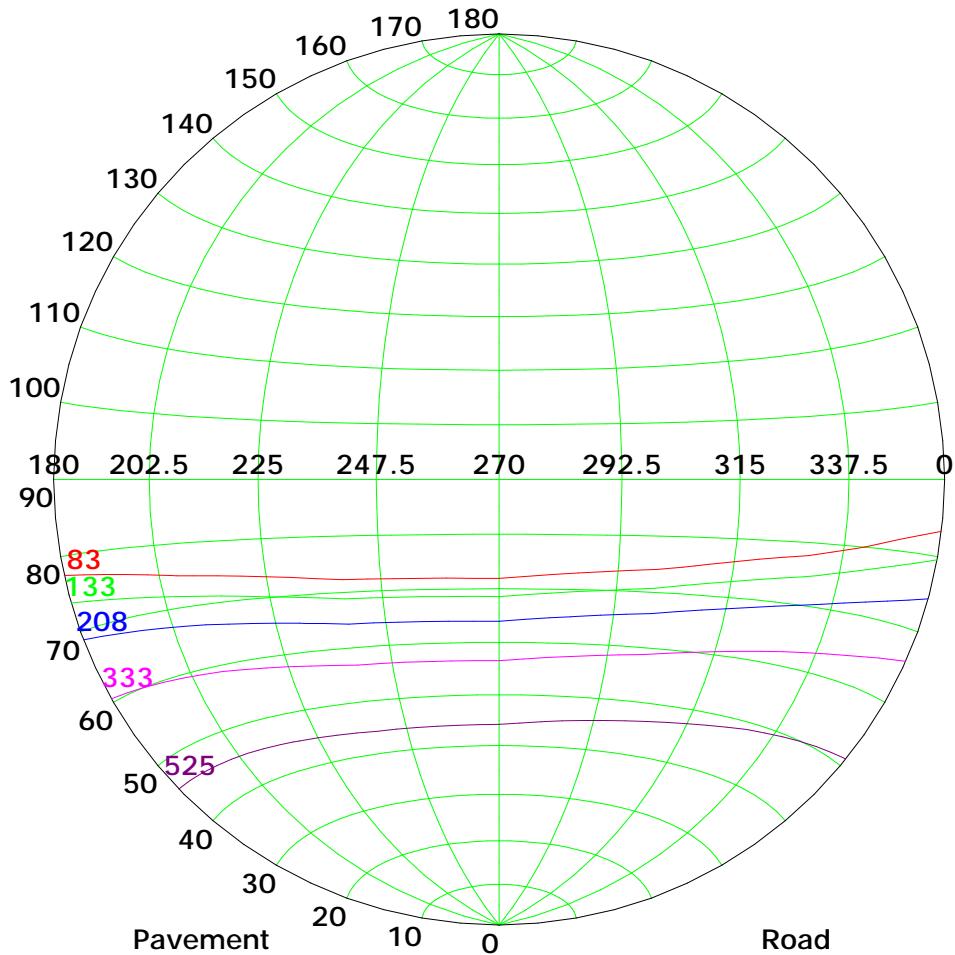
Imax (100%): 833 cd

— ( 10%): 83 cd	— ( 16%): 133 cd
— ( 25%): 208 cd	— ( 40%): 333 cd
— ( 63%): 525 cd	— (100%): 833 cd

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 70  
 Test Type: TYPE C  
 Temperature: 23  
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.690 m  
 Humidity: 88  
 Inspector:

## Isocandela (sphere)



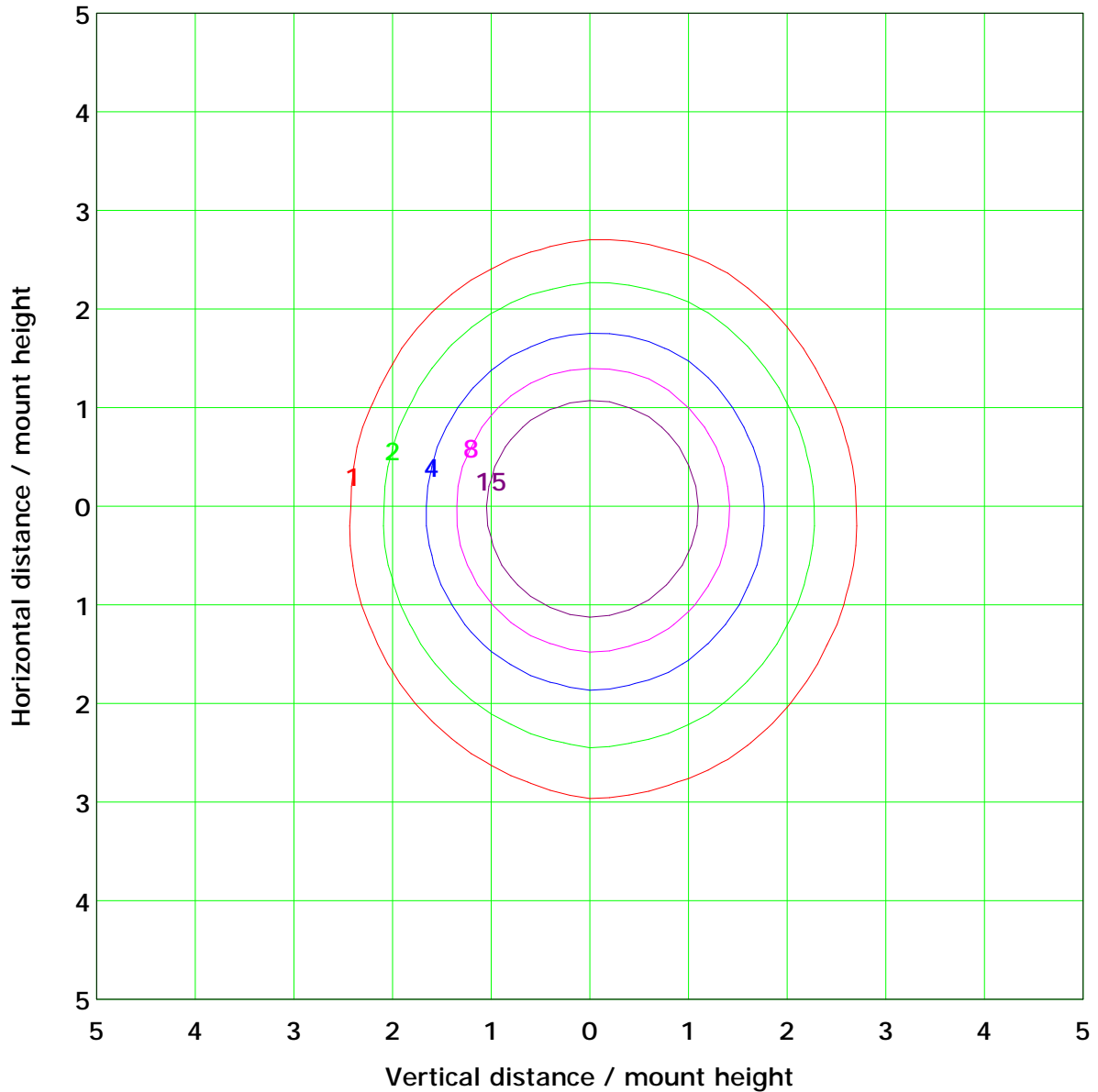
Imax (100%): 833 cd

— ( 10%): 83 cd	— ( 16%): 133 cd
— ( 25%): 208 cd	— ( 40%): 333 cd
— ( 63%): 525 cd	— (100%): 833 cd

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 70  
 Test Type: TYPE C  
 Temperature: 23  
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.690 m  
 Humidity: 88  
 Inspector:

## IsoLux Plot



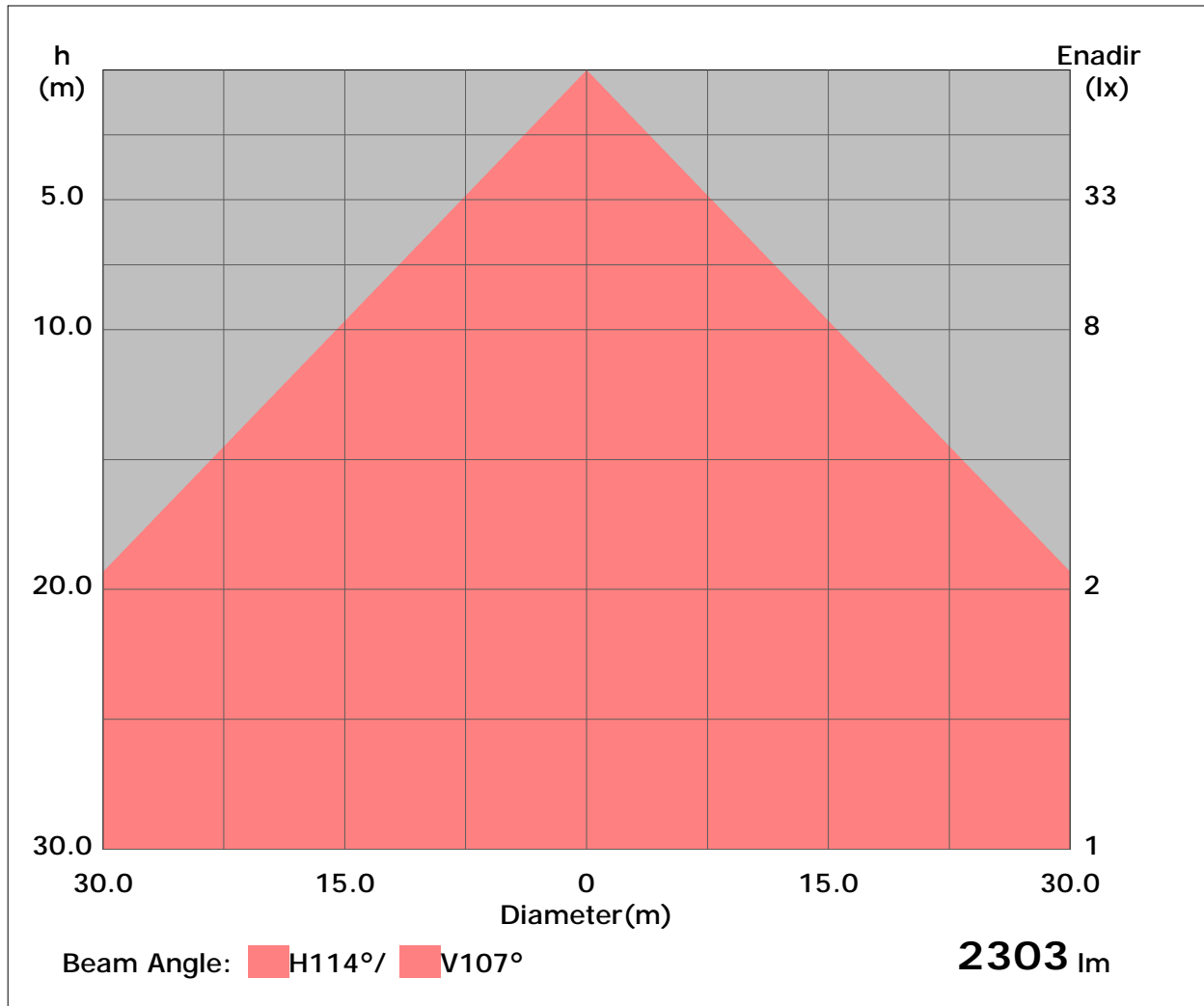
Mounting Height: 3.3m    Max Lux(100%): 76.5 lx

— ( 1%): 0.8 lx	— ( 2%): 1.5 lx
— ( 5%): 3.8 lx	— ( 10%): 7.6 lx
— ( 20%): 15.3 lx	

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 70  
 Test Type: TYPE C  
 Temperature: 23  
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.690 m  
 Humidity: 88  
 Inspector:

## Illuminance at a Distance

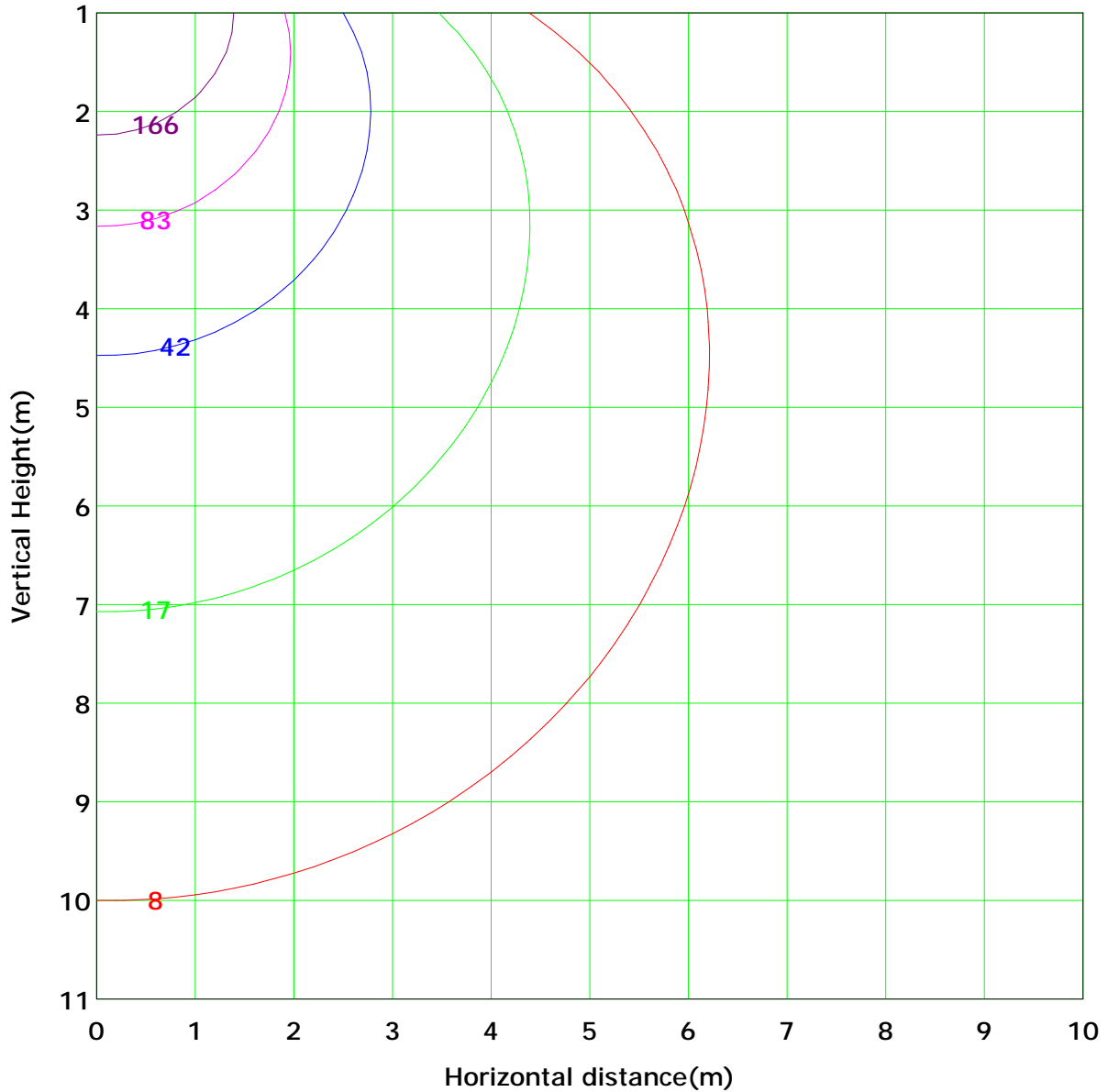


C Plane (°):0.0-360.0: 30.0  
 Test Lab: 70  
 Test Type: TYPE C  
 Temperature: 23  
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.690 m  
 Humidity: 88  
 Inspector:



## Vertical IsoLux Plot



Lowest(m): 1.0m    Highest(m): 11.0m    Max Lux: 832.2 lx  
 ( 1%): 8.3 lx                      ( 2%): 16.6 lx  
 ( 5%): 41.6 lx                      ( 10%): 83.2 lx  
 ( 20%): 166.4 lx

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 70  
 Test Type: TYPE C  
 Temperature: 23  
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.690 m  
 Humidity: 88  
 Inspector:

### Area Flux Table

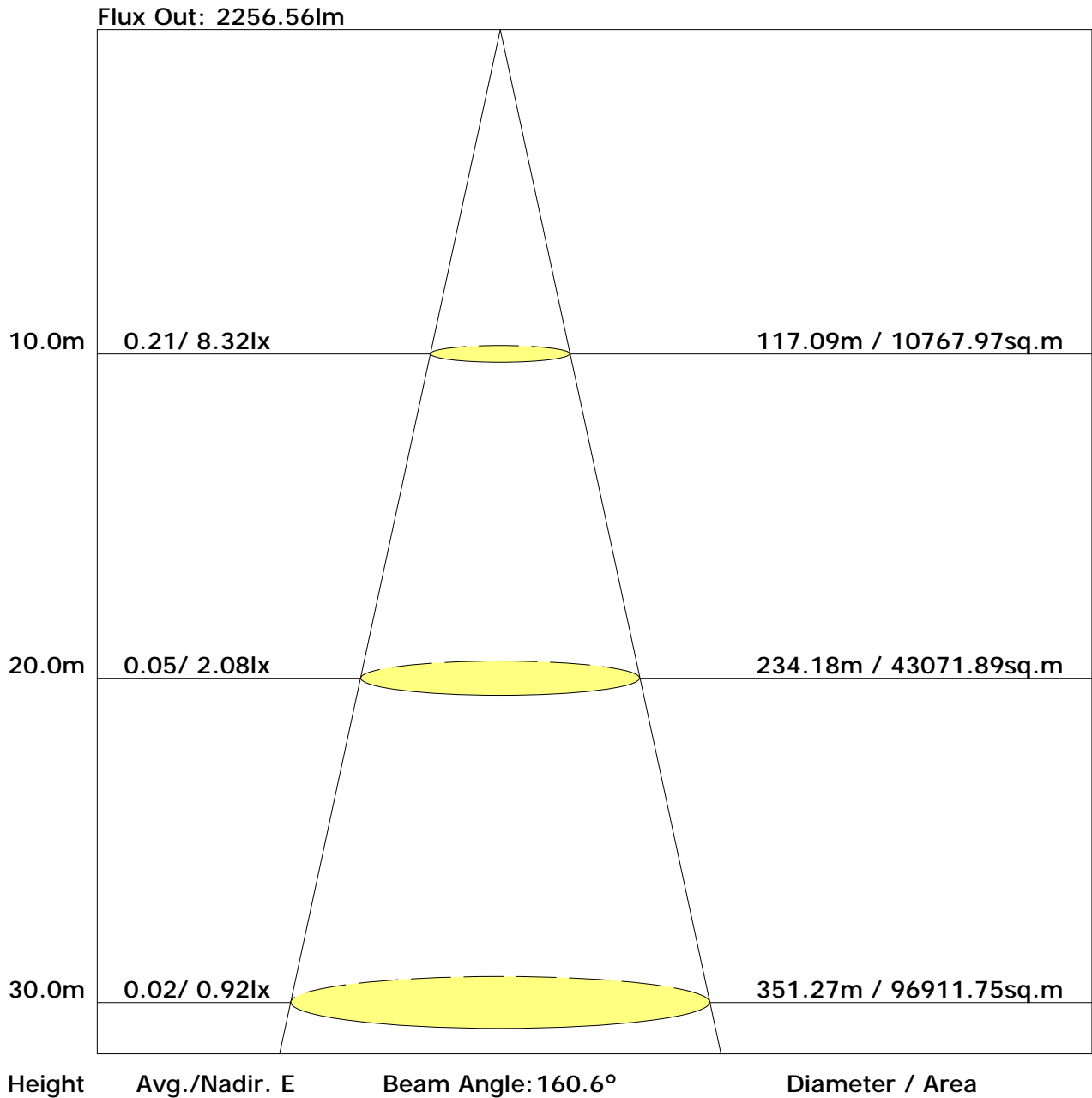
Unit: lm

		Vertical plane																				
		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90		
Flux(E)	Flux(T)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.5	0.8	0.0	0.0
0.0	0.5	5.7	8.5	32.3	70.1	113.8	160.4	202.7	236.1	255.4	258.3	244.8	215.7	176.0	130.3	83.8	43.2	14.4	0.8	2240		
		30.2	32.3	70.1	115.8	162.4	204.6	238.1	257.2	260.3	246.9	217.7	177.9	132.2	85.7	45.1	16.5	2.4	2274			
		0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.4	0.5	0.4	0.4	0.4	0.3	0.2	0.1	0.0	4.2	0.0	
		0.0	0.2	0.8	2.0	3.4	4.9	6.3	7.5	8.2	8.4	8.0	7.1	5.8	4.4	2.9	1.5	0.5	0.1	71.7	70.2	
		0.0	0.2	0.7	1.2	1.8	2.4	3.0	3.4	3.6	3.5	3.2	2.6	2.0	1.4	0.8	0.3	0.1	30.3	21.5		
		0.0	0.3	1.5	3.4	5.6	8.0	10.1	11.8	12.9	13.1	12.4	11.0	9.0	6.7	4.4	2.2	0.8	0.1	113.3	112.6	
		0.0	0.5	2.1	4.7	7.7	10.8	13.5	15.8	17.1	17.3	16.4	14.5	11.8	8.8	5.7	2.9	1.0	0.1	150.7	150.2	
		0.0	0.7	2.7	5.7	9.4	13.0	16.3	18.9	20.4	20.6	19.5	17.2	14.0	10.5	6.8	3.5	1.3	0.2	180.8	180.5	
		0.0	0.8	3.1	6.5	10.6	14.7	18.3	21.1	22.7	22.9	21.7	19.1	15.6	11.6	7.6	4.0	1.4	0.2	201.9	201.7	
		0.1	0.9	3.4	7.0	11.3	15.6	19.5	22.5	24.2	24.4	23.0	20.3	16.6	12.4	8.1	4.3	1.6	0.2	215.4	215.1	
		0.1	1.0	3.5	7.2	11.6	16.0	20.1	23.1	24.9	25.1	23.7	20.9	17.1	12.7	8.3	4.5	1.6	0.2	221.6	221.3	
		0.1	1.0	3.4	7.1	11.5	15.9	19.9	23.0	24.7	24.9	23.5	20.8	17.0	12.6	8.3	4.4	1.6	0.2	219.9	219.7	
		0.1	0.9	3.2	6.8	11.0	15.3	19.1	22.1	23.8	24.0	22.6	19.9	16.2	12.1	7.9	4.2	1.5	0.2	210.5	210.3	
		0.0	0.8	2.8	6.1	10.0	14.0	17.6	20.4	22.0	22.2	20.9	18.4	16.2	13.1	9.6	6.2	3.2	1.1	193.7	193.3	
		0.0	0.6	2.3	5.1	8.6	12.1	15.3	17.8	19.2	19.4	18.4	16.2	13.1	9.6	6.2	3.2	1.1	0.2	168.5	168.1	
		0.0	0.4	1.7	3.9	6.7	9.6	12.1	14.3	15.4	15.6	14.8	13.0	10.5	7.7	4.9	2.5	0.9	0.1	134.3	133.7	
		0.0	0.2	1.0	2.5	4.5	6.5	8.3	9.9	10.8	11.0	10.5	9.2	7.5	5.4	3.4	1.7	0.6	0.1	93.3	92.1	
		0.0	0.1	0.4	1.1	2.2	3.3	4.3	5.3	5.8	5.9	5.8	5.1	4.1	3.0	1.9	1.0	0.4	0.1	49.6	46.3	
		0.0	0.0	0.1	0.2	0.5	0.7	1.0	1.2	1.4	1.5	1.6	1.4	1.2	0.9	0.6	0.4	0.2	0.1	12.9	3.1	
		0.0	0.0	0.1	0.2	0.5	0.7	1.0	1.2	1.4	1.5	1.6	1.4	1.2	0.9	0.6	0.4	0.2	0.1	12.9	3.1	
		0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	1.4	0.0	

C Plane (°): 0.0-360.0: 30.0  
 Test Lab: 70  
 Test Type: TYPE C  
 Temperature: 23  
 Operator: QIU

Gamma Plane (°): 0.0-180.0: 1.0  
 Test Device: GPM-1600L  
 Distance: 8.690 m  
 Humidity: 88  
 Inspector:

## The Average Illuminance Effective Figure



C Plane (°):0.0-360.0: 30.0  
 Test Lab: 70  
 Test Type: TYPE C  
 Temperature: 23  
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.690 m  
 Humidity: 88  
 Inspector:

## UGR Table

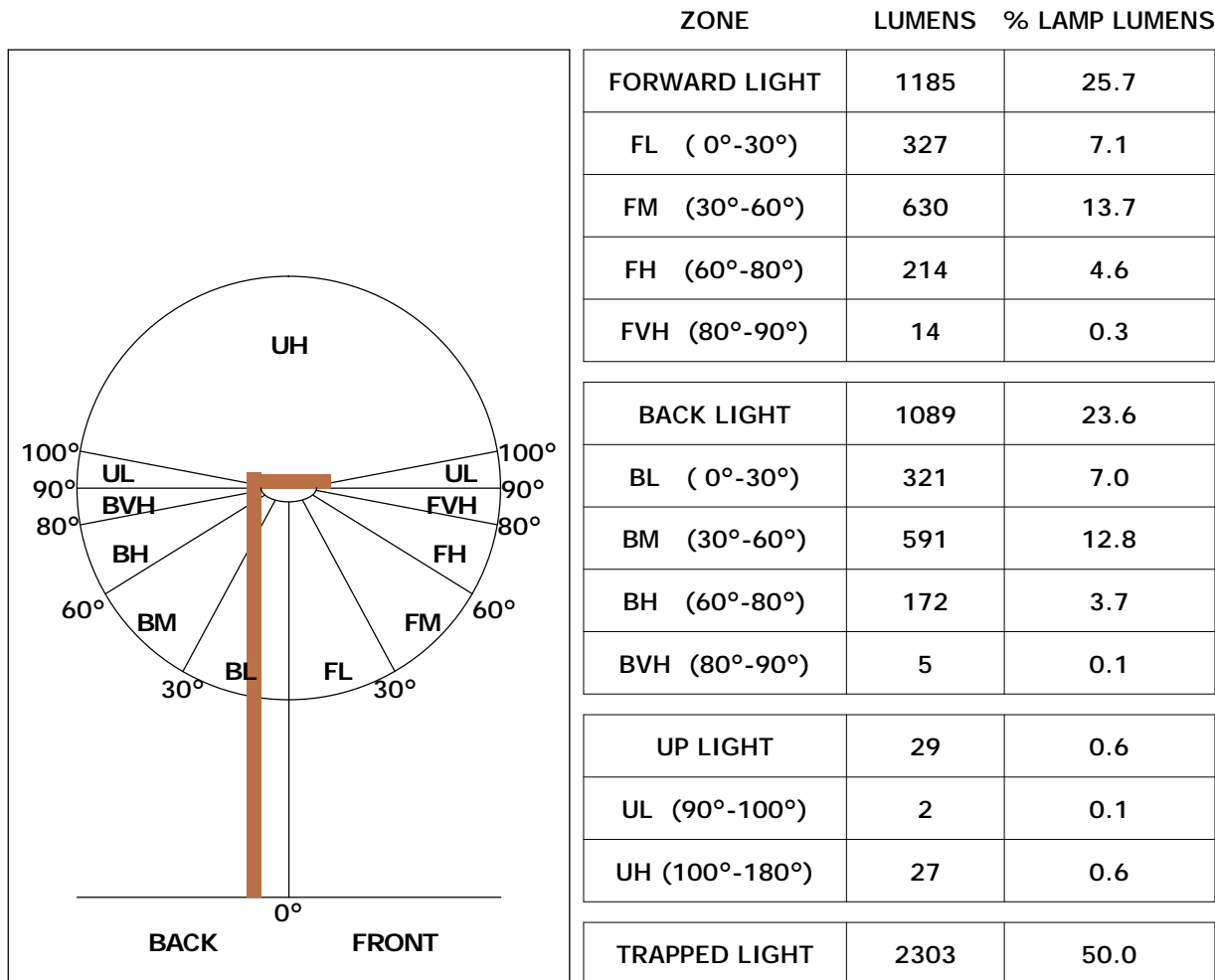
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	12.8	14.3	13.1	14.7	15.0	10.8	12.4	11.2	12.7	13.1
3H	14.7	16.1	15.1	16.4	16.8	11.9	13.4	12.3	13.7	14.1
4H	15.4	16.7	15.8	17.1	17.5	12.2	13.5	12.6	13.9	14.3
6H	15.9	17.2	16.4	17.6	18.0	12.3	13.5	12.7	13.9	14.3
8H	16.1	17.3	16.6	17.7	18.1	12.3	13.4	12.7	13.8	14.3
12H	16.3	17.4	16.7	17.8	18.3	12.2	13.3	12.7	13.8	14.2
X=4H Y=2H	13.0	14.4	13.5	14.8	15.2	11.4	12.8	11.9	13.2	13.6
3H	15.1	16.2	15.5	16.6	17.1	12.8	13.9	13.2	14.3	14.7
4H	15.9	16.9	16.4	17.3	17.8	13.1	14.1	13.5	14.5	15.0
6H	16.5	17.4	17.0	17.9	18.4	13.2	14.1	13.7	14.5	15.0
8H	16.8	17.6	17.2	18.0	18.5	13.2	14.0	13.6	14.4	14.9
12H	16.9	17.6	17.4	18.1	18.6	13.1	13.9	13.6	14.4	14.9
X=8H Y=4H	15.9	16.7	16.4	17.2	17.7	13.3	14.1	13.8	14.6	15.1
6H	16.6	17.3	17.1	17.8	18.3	13.4	14.1	14.0	14.6	15.1
8H	16.8	17.4	17.4	18.0	18.5	13.4	14.0	14.0	14.6	15.1
12H	17.0	17.6	17.6	18.1	18.7	13.4	13.9	13.9	14.4	15.0
X=12H Y=4H	15.9	16.6	16.4	17.1	17.6	13.3	14.1	13.8	14.6	15.1
6H	16.6	17.2	17.1	17.7	18.2	13.5	14.1	14.0	14.6	15.1
8H	16.8	17.4	17.4	17.9	18.5	13.5	14.0	14.0	14.5	15.1

Calculate in accordance with CIE 190:2010

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 70  
 Test Type: TYPE C  
 Temperature: 23  
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.690 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: 70  
Test Type: TYPE C  
Temperature: 23  
Operator: QIU

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1600L  
Distance: 8.690 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	0.29	0.34	0.38	0.41	0.44	0.47	0.48	0.51	0.52	
	0.30		0.25	0.30	0.34	0.37	0.41	0.44	0.46	0.49	0.50	
	0.20		0.22	0.28	0.32	0.35	0.39	0.42	0.44	0.47	0.49	
0.50	0.50	0.20	0.28	0.33	0.37	0.39	0.43	0.45	0.46	0.48	0.50	
	0.30		0.25	0.30	0.33	0.36	0.40	0.43	0.44	0.47	0.48	
	0.20		0.22	0.27	0.31	0.34	0.38	0.41	0.43	0.45	0.47	
0.30	0.50	0.20	0.27	0.32	0.35	0.38	0.41	0.43	0.45	0.47	0.48	
	0.30		0.24	0.29	0.33	0.35	0.39	0.41	0.43	0.45	0.47	
	0.20		0.22	0.27	0.31	0.33	0.37	0.40	0.42	0.44	0.46	
0.00	0.00	0.00	0.21	0.26	0.29	0.32	0.35	0.38	0.39	0.42	0.43	
<p>Rating: 31W 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	0.49	0.40	0.34	0.29	0.23	0.19	0.16	0.12	0.10	
	0.30		0.41	0.34	0.29	0.26	0.21	0.17	0.15	0.12	0.10	
	0.20		0.35	0.30	0.26	0.23	0.19	0.16	0.14	0.11	0.09	
0.50	0.50	0.20	0.47	0.38	0.32	0.28	0.22	0.20	0.15	0.12	0.10	
	0.30		0.40	0.33	0.28	0.25	0.20	0.17	0.14	0.11	0.09	
	0.20		0.34	0.29	0.26	0.23	0.19	0.16	0.14	0.11	0.09	
0.30	0.50	0.20	0.45	0.37	0.31	0.27	0.21	0.17	0.15	0.11	0.09	
	0.30		0.39	0.32	0.28	0.24	0.19	0.16	0.14	0.11	0.09	
	0.20		0.34	0.29	0.25	0.22	0.18	0.15	0.13	0.10	0.08	
0.00	0.00	0.00	0.29	0.24	0.20	0.18	0.14	0.12	0.10	0.08	0.06	
<p>Rating: 31W 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	0.09	0.09	0.10	0.10	0.10	0.11	0.11	0.11	0.11	
	0.30		0.05	0.06	0.07	0.07	0.08	0.09	0.09	0.10	0.10	
	0.20		0.03	0.04	0.05	0.05	0.06	0.07	0.08	0.09	0.09	
0.50	0.50	0.20	0.08	0.09	0.09	0.10	0.10	0.10	0.11	0.11	0.11	
	0.30		0.05	0.06	0.07	0.07	0.08	0.08	0.09	0.09	0.10	
	0.20		0.03	0.04	0.04	0.05	0.06	0.07	0.07	0.08	0.09	
0.30	0.50	0.20	0.08	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.10	
	0.30		0.05	0.06	0.06	0.07	0.08	0.08	0.09	0.09	0.09	
	0.20		0.03	0.04	0.04	0.05	0.06	0.07	0.07	0.08	0.09	
0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
<p>Rating: 31W 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	831.9	0.8	0.8	0.02	0.02
1.0-2.0	831.5	2.4	3.2	0.05	0.07
2.0-3.0	830.8	4.0	7.2	0.09	0.16
3.0-4.0	829.9	5.6	12.7	0.12	0.28
4.0-5.0	828.7	7.1	19.8	0.15	0.43
5.0-6.0	827.3	8.7	28.5	0.19	0.62
6.0-7.0	825.5	10.2	38.8	0.22	0.84
7.0-8.0	823.4	11.8	50.6	0.26	1.10
8.0-9.0	821.1	13.3	63.9	0.29	1.39
9.0-10.0	818.5	14.8	78.7	0.32	1.71
10.0-11.0	815.7	16.3	95.0	0.35	2.06
11.0-12.0	812.6	17.8	112.8	0.39	2.45
12.0-13.0	809.2	19.2	132.0	0.42	2.86
13.0-14.0	805.6	20.6	152.6	0.45	3.31
14.0-15.0	801.6	22.0	174.6	0.48	3.79
15.0-16.0	797.5	23.4	198.0	0.51	4.30
16.0-17.0	793.1	24.7	222.7	0.54	4.83
17.0-18.0	788.4	26.0	248.7	0.56	5.40
18.0-19.0	783.5	27.3	275.9	0.59	5.99
19.0-20.0	778.3	28.5	304.4	0.62	6.61
20.0-21.0	772.9	29.7	334.1	0.64	7.25
21.0-22.0	767.1	30.8	364.9	0.67	7.92
22.0-23.0	761.2	31.9	396.9	0.69	8.62
23.0-24.0	755.0	33.0	429.9	0.72	9.33
24.0-25.0	748.4	34.0	463.9	0.74	10.07
25.0-26.0	741.7	35.0	498.9	0.76	10.83
26.0-27.0	734.7	35.9	534.9	0.78	11.61
27.0-28.0	727.5	36.8	571.7	0.80	12.41
28.0-29.0	720.0	37.7	609.4	0.82	13.23
29.0-30.0	712.2	38.5	647.9	0.83	14.06
30.0-31.0	704.2	39.2	687.1	0.85	14.91
31.0-32.0	695.9	39.9	726.9	0.87	15.78
32.0-33.0	687.4	40.5	767.4	0.88	16.66
33.0-34.0	678.5	41.1	808.5	0.89	17.55
34.0-35.0	669.4	41.6	850.1	0.90	18.45
35.0-36.0	660.0	42.0	892.1	0.91	19.37

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 70  
 Test Type: TYPE C  
 Temperature: 23  
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.690 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	650.3	42.4	934.5	0.92	20.29
37.0-38.0	640.5	42.8	977.3	0.93	21.21
38.0-39.0	630.3	43.0	1020.3	0.93	22.15
39.0-40.0	619.8	43.2	1063.6	0.94	23.09
40.0-41.0	609.0	43.4	1106.9	0.94	24.03
41.0-42.0	598.0	43.5	1150.4	0.94	24.97
42.0-43.0	586.7	43.5	1193.8	0.94	25.91
43.0-44.0	574.9	43.4	1237.2	0.94	26.86
44.0-45.0	562.9	43.3	1280.5	0.94	27.80
45.0-46.0	550.6	43.1	1323.6	0.93	28.73
46.0-47.0	537.9	42.8	1366.4	0.93	29.66
47.0-48.0	525.1	42.5	1408.8	0.92	30.58
48.0-49.0	512.0	42.1	1450.9	0.91	31.49
49.0-50.0	498.7	41.6	1492.5	0.90	32.40
50.0-51.0	485.1	41.1	1533.5	0.89	33.29
51.0-52.0	471.4	40.5	1574.0	0.88	34.17
52.0-53.0	457.6	39.8	1613.8	0.86	35.03
53.0-54.0	443.6	39.1	1652.9	0.85	35.88
54.0-55.0	429.3	38.3	1691.2	0.83	36.71
55.0-56.0	414.8	37.5	1728.7	0.81	37.52
56.0-57.0	400.2	36.6	1765.3	0.79	38.32
57.0-58.0	385.5	35.7	1800.9	0.77	39.09
58.0-59.0	370.4	34.6	1835.6	0.75	39.85
59.0-60.0	355.1	33.6	1869.1	0.73	40.57
60.0-61.0	339.7	32.4	1901.6	0.70	41.28
61.0-62.0	324.1	31.2	1932.8	0.68	41.96
62.0-63.0	308.3	30.0	1962.8	0.65	42.61
63.0-64.0	292.5	28.7	1991.5	0.62	43.23
64.0-65.0	276.7	27.4	2018.9	0.59	43.82
65.0-66.0	260.6	26.0	2044.9	0.56	44.39
66.0-67.0	244.5	24.6	2069.5	0.53	44.92
67.0-68.0	228.5	23.2	2092.6	0.50	45.42
68.0-69.0	212.5	21.7	2114.3	0.47	45.90
69.0-70.0	196.5	20.2	2134.5	0.44	46.33
70.0-71.0	180.8	18.7	2153.2	0.41	46.74
71.0-72.0	165.2	17.2	2170.3	0.37	47.11

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 70  
 Test Type: TYPE C  
 Temperature: 23  
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.690 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	149.8	15.7	2186.0	0.34	47.45
73.0-74.0	134.6	14.2	2200.2	0.31	47.76
74.0-75.0	119.7	12.6	2212.8	0.27	48.03
75.0-76.0	105.2	11.2	2224.0	0.24	48.28
76.0-77.0	91.1	9.7	2233.7	0.21	48.49
77.0-78.0	77.7	8.3	2242.0	0.18	48.67
78.0-79.0	65.4	7.0	2249.0	0.15	48.82
79.0-80.0	54.2	5.8	2254.9	0.13	48.95
80.0-81.0	44.0	4.8	2259.7	0.10	49.05
81.0-82.0	34.8	3.8	2263.4	0.08	49.13
82.0-83.0	27.0	2.9	2266.4	0.06	49.20
83.0-84.0	20.6	2.2	2268.6	0.05	49.24
84.0-85.0	15.5	1.7	2270.3	0.04	49.28
85.0-86.0	11.8	1.3	2271.6	0.03	49.31
86.0-87.0	8.9	1.0	2272.6	0.02	49.33
87.0-88.0	6.6	0.7	2273.3	0.02	49.35
88.0-89.0	5.0	0.5	2273.8	0.01	49.36
89.0-90.0	3.9	0.4	2274.3	0.01	49.37
90.0-91.0	3.0	0.3	2274.6	0.01	49.37
91.0-92.0	2.3	0.2	2274.8	0.01	49.38
92.0-93.0	1.9	0.2	2275.0	0.00	49.38
93.0-94.0	1.9	0.2	2275.2	0.00	49.39
94.0-95.0	2.0	0.2	2275.4	0.00	49.39
95.0-96.0	2.1	0.2	2275.7	0.00	49.40
96.0-97.0	2.1	0.2	2275.9	0.01	49.40
97.0-98.0	2.2	0.2	2276.1	0.01	49.41
98.0-99.0	2.3	0.2	2276.4	0.01	49.41
99.0-100.0	2.3	0.3	2276.6	0.01	49.42
100.0-101.0	2.4	0.3	2276.9	0.01	49.42
101.0-102.0	2.5	0.3	2277.2	0.01	49.43
102.0-103.0	2.6	0.3	2277.4	0.01	49.44
103.0-104.0	2.7	0.3	2277.7	0.01	49.44
104.0-105.0	2.8	0.3	2278.0	0.01	49.45
105.0-106.0	2.8	0.3	2278.3	0.01	49.46
106.0-107.0	2.9	0.3	2278.6	0.01	49.46
107.0-108.0	3.0	0.3	2278.9	0.01	49.47

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 70  
 Test Type: TYPE C  
 Temperature: 23  
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.690 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	3.1	0.3	2279.3	0.01	49.48
109.0-110.0	3.2	0.3	2279.6	0.01	49.48
110.0-111.0	3.3	0.3	2279.9	0.01	49.49
111.0-112.0	3.4	0.3	2280.3	0.01	49.50
112.0-113.0	3.5	0.4	2280.6	0.01	49.51
113.0-114.0	3.6	0.4	2281.0	0.01	49.51
114.0-115.0	3.7	0.4	2281.4	0.01	49.52
115.0-116.0	3.8	0.4	2281.7	0.01	49.53
116.0-117.0	3.9	0.4	2282.1	0.01	49.54
117.0-118.0	4.0	0.4	2282.5	0.01	49.55
118.0-119.0	4.1	0.4	2282.9	0.01	49.56
119.0-120.0	4.2	0.4	2283.3	0.01	49.56
120.0-121.0	4.3	0.4	2283.7	0.01	49.57
121.0-122.0	4.4	0.4	2284.1	0.01	49.58
122.0-123.0	4.5	0.4	2284.5	0.01	49.59
123.0-124.0	4.6	0.4	2285.0	0.01	49.60
124.0-125.0	4.7	0.4	2285.4	0.01	49.61
125.0-126.0	4.8	0.4	2285.8	0.01	49.62
126.0-127.0	4.9	0.4	2286.2	0.01	49.63
127.0-128.0	5.0	0.4	2286.7	0.01	49.64
128.0-129.0	5.1	0.4	2287.1	0.01	49.65
129.0-130.0	5.2	0.4	2287.6	0.01	49.66
130.0-131.0	5.3	0.4	2288.0	0.01	49.67
131.0-132.0	5.4	0.4	2288.4	0.01	49.68
132.0-133.0	5.5	0.4	2288.9	0.01	49.68
133.0-134.0	5.6	0.4	2289.3	0.01	49.69
134.0-135.0	5.7	0.4	2289.8	0.01	49.70
135.0-136.0	5.8	0.4	2290.2	0.01	49.71
136.0-137.0	6.0	0.4	2290.7	0.01	49.72
137.0-138.0	6.1	0.4	2291.1	0.01	49.73
138.0-139.0	6.2	0.4	2291.6	0.01	49.74
139.0-140.0	6.3	0.4	2292.0	0.01	49.75
140.0-141.0	6.4	0.4	2292.5	0.01	49.76
141.0-142.0	6.5	0.4	2292.9	0.01	49.77
142.0-143.0	6.7	0.4	2293.4	0.01	49.78
143.0-144.0	6.8	0.4	2293.8	0.01	49.79

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 70  
 Test Type: TYPE C  
 Temperature: 23  
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.690 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	6.9	0.4	2294.2	0.01	49.80
145.0-146.0	7.0	0.4	2294.7	0.01	49.81
146.0-147.0	7.1	0.4	2295.1	0.01	49.82
147.0-148.0	7.2	0.4	2295.5	0.01	49.83
148.0-149.0	7.3	0.4	2295.9	0.01	49.84
149.0-150.0	7.4	0.4	2296.4	0.01	49.85
150.0-151.0	7.5	0.4	2296.8	0.01	49.86
151.0-152.0	7.6	0.4	2297.2	0.01	49.86
152.0-153.0	7.7	0.4	2297.6	0.01	49.87
153.0-154.0	7.8	0.4	2297.9	0.01	49.88
154.0-155.0	8.0	0.4	2298.3	0.01	49.89
155.0-156.0	8.1	0.4	2298.7	0.01	49.90
156.0-157.0	8.1	0.4	2299.0	0.01	49.91
157.0-158.0	8.2	0.3	2299.4	0.01	49.91
158.0-159.0	8.3	0.3	2299.7	0.01	49.92
159.0-160.0	8.4	0.3	2300.0	0.01	49.93
160.0-161.0	8.5	0.3	2300.3	0.01	49.93
161.0-162.0	8.5	0.3	2300.6	0.01	49.94
162.0-163.0	8.6	0.3	2300.9	0.01	49.95
163.0-164.0	8.6	0.3	2301.2	0.01	49.95
164.0-165.0	8.7	0.3	2301.4	0.01	49.96
165.0-166.0	8.7	0.2	2301.7	0.01	49.96
166.0-167.0	8.7	0.2	2301.9	0.00	49.97
167.0-168.0	8.8	0.2	2302.1	0.00	49.97
168.0-169.0	8.8	0.2	2302.3	0.00	49.98
169.0-170.0	8.9	0.2	2302.5	0.00	49.98
170.0-171.0	8.9	0.2	2302.6	0.00	49.98
171.0-172.0	9.0	0.1	2302.8	0.00	49.99
172.0-173.0	9.0	0.1	2302.9	0.00	49.99
173.0-174.0	9.1	0.1	2303.0	0.00	49.99
174.0-175.0	9.1	0.1	2303.1	0.00	49.99
175.0-176.0	9.1	0.1	2303.2	0.00	50.00
176.0-177.0	9.2	0.1	2303.3	0.00	50.00
177.0-178.0	9.2	0.0	2303.3	0.00	50.00
178.0-179.0	9.2	0.0	2303.3	0.00	50.00
179.0-180.0	9.2	0.0	2303.3	0.00	50.00

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 70  
 Test Type: TYPE C  
 Temperature: 23  
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.690 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	832.2	831.9	832.2	832.4	832.0	831.3	832.2	831.9	832.2	832.4
G1.0	832.9	832.8	833.0	832.9	832.0	830.5	831.3	830.7	830.9	831.6
G2.0	833.0	833.2	833.4	833.0	831.5	829.6	830.1	829.2	829.5	830.5
G3.0	832.9	833.4	833.3	832.6	830.5	828.7	828.8	827.7	827.6	829.1
G4.0	832.5	833.2	832.9	832.1	829.6	827.6	827.3	826.0	825.7	827.3
G5.0	831.9	832.7	832.3	831.3	828.4	826.0	825.5	823.8	823.5	825.5
G6.0	830.8	831.8	831.5	830.0	826.7	824.2	823.2	821.4	821.3	823.4
G7.0	829.6	830.7	830.1	828.6	824.8	821.9	820.9	818.7	818.7	821.0
G8.0	828.1	829.3	828.7	826.8	823.0	819.6	818.0	815.7	815.9	818.3
G9.0	826.4	827.7	826.9	824.8	820.5	816.7	815.0	812.3	812.7	815.6
G10.0	824.3	825.7	825.0	822.7	818.0	813.6	811.6	808.6	809.3	812.5
G11.0	821.8	823.4	822.7	820.2	814.9	810.3	808.1	804.9	805.8	809.2
G12.0	819.4	820.9	820.3	817.3	811.6	806.7	804.1	800.8	801.9	805.5
G13.0	816.4	818.0	817.4	814.3	808.1	803.0	799.9	796.6	797.8	801.6
G14.0	813.2	815.0	814.2	811.1	804.4	798.9	795.6	792.0	793.2	797.2
G15.0	809.8	811.7	810.8	807.4	800.4	794.6	790.9	787.4	788.8	793.0
G16.0	806.0	808.0	807.3	803.9	796.3	789.9	786.1	782.1	783.6	788.2
G17.0	802.1	804.3	803.5	799.9	791.8	785.2	780.9	776.8	778.3	783.3
G18.0	798.0	800.2	799.5	795.7	787.3	780.2	775.2	771.2	772.8	777.8
G19.0	793.3	795.9	795.2	791.1	782.3	774.8	769.6	765.5	767.3	772.5
G20.0	788.7	791.3	790.6	786.5	777.3	769.3	763.5	759.3	761.2	766.8
G21.0	783.8	786.3	785.8	781.2	772.0	763.1	757.4	753.0	754.9	760.6
G22.0	778.3	781.3	780.9	775.7	766.1	756.9	750.8	746.3	748.4	754.2
G23.0	773.0	775.8	775.5	770.3	760.4	750.8	744.2	739.7	741.6	747.6
G24.0	767.1	770.0	769.8	764.6	754.0	744.2	736.8	732.4	734.3	740.6
G25.0	761.3	764.0	764.2	758.5	747.7	737.6	729.8	725.0	726.9	733.3
G26.0	754.9	758.0	758.0	752.2	741.0	730.7	722.3	717.4	719.5	725.6
G27.0	748.3	751.8	751.5	745.6	734.2	723.6	714.4	709.7	711.3	717.7
G28.0	741.7	745.3	745.1	738.8	727.1	716.0	706.4	701.7	703.5	709.5
G29.0	734.9	738.5	738.5	731.8	719.8	708.8	698.2	693.4	694.8	700.7
G30.0	727.5	731.6	731.1	724.1	712.1	700.7	689.8	684.8	685.8	692.2
G31.0	720.0	724.3	724.1	716.8	704.3	692.7	681.2	676.0	676.7	682.7
G32.0	712.5	716.9	716.4	708.5	696.2	684.3	672.5	667.1	667.3	673.0
G33.0	704.7	709.1	708.6	700.4	687.8	675.8	663.4	657.6	657.5	662.9
G34.0	696.5	701.3	700.6	691.6	678.8	667.0	653.8	648.4	647.5	652.7
G35.0	688.3	693.1	692.1	682.7	670.2	658.3	644.1	638.3	636.7	641.7
G36.0	679.5	684.7	683.4	673.2	660.8	649.0	634.8	628.8	626.2	630.7

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 70  
 Test Type: TYPE C  
 Temperature: 23  
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.690 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	670.8	676.0	674.4	663.5	651.1	639.5	624.4	618.8	614.7	619.9
G38.0	661.8	667.1	665.0	653.5	640.9	630.2	614.5	608.2	603.4	609.3
G39.0	652.5	658.1	655.3	643.1	630.9	620.4	603.7	597.8	591.7	597.4
G40.0	642.8	648.9	645.7	631.5	620.5	610.3	593.2	587.1	580.1	584.6
G41.0	633.8	639.5	635.4	620.3	609.4	600.2	582.1	575.5	567.9	570.7
G42.0	623.7	629.9	624.7	608.3	598.0	589.8	571.2	564.4	557.0	556.9
G43.0	613.7	620.2	613.7	595.7	586.1	579.4	560.1	552.8	543.5	542.5
G44.0	603.6	609.7	602.0	582.9	574.2	568.2	548.9	541.1	529.5	528.4
G45.0	593.5	599.8	590.6	569.7	562.0	557.0	537.1	528.8	515.3	513.8
G46.0	582.8	588.9	577.8	556.6	548.5	545.9	525.6	516.7	500.7	499.4
G47.0	572.0	578.3	565.8	543.1	534.9	534.6	512.9	503.8	485.7	484.6
G48.0	560.9	567.3	552.5	529.4	521.3	522.8	501.0	491.1	471.5	469.5
G49.0	549.7	556.2	538.9	515.8	507.6	511.1	488.6	477.8	456.1	454.0
G50.0	538.2	544.4	525.2	501.5	493.8	498.6	476.0	464.6	440.9	438.6
G51.0	526.5	532.7	511.4	487.7	479.6	486.4	463.1	450.6	425.8	423.0
G52.0	514.8	520.7	497.4	473.2	465.3	473.7	450.2	436.9	409.8	407.8
G53.0	503.3	508.8	483.1	459.0	451.0	460.5	437.3	422.8	394.4	391.5
G54.0	491.0	496.4	469.0	444.3	436.6	447.5	423.8	408.8	378.7	375.7
G55.0	479.1	483.9	454.7	429.3	421.6	434.1	410.3	394.1	362.6	359.2
G56.0	465.9	471.1	439.8	414.1	406.6	420.1	396.5	380.2	346.4	342.6
G57.0	453.8	457.8	425.2	399.9	392.1	406.2	382.8	365.4	329.8	326.5
G58.0	440.9	444.0	410.5	383.7	376.4	391.2	368.9	350.4	313.7	309.9
G59.0	427.6	430.1	395.3	368.5	361.0	377.7	354.4	333.9	296.8	292.3
G60.0	414.5	415.9	380.0	353.3	345.4	362.4	340.4	317.9	280.8	275.7
G61.0	401.0	401.6	364.4	337.3	330.1	347.7	325.9	302.0	263.6	258.9
G62.0	387.3	387.1	348.7	321.2	314.1	331.7	311.5	285.7	247.1	241.9
G63.0	374.0	372.3	333.1	305.2	298.4	316.2	296.5	269.1	230.2	224.7
G64.0	360.2	357.0	317.3	289.2	282.8	300.4	282.2	253.5	213.6	207.5
G65.0	346.4	341.3	301.8	273.1	266.5	285.2	267.0	237.0	196.7	190.5
G66.0	332.0	325.7	285.1	256.6	250.1	269.4	252.1	220.3	179.9	174.1
G67.0	317.7	309.9	269.1	240.2	234.0	253.5	237.3	203.9	163.0	157.4
G68.0	303.1	294.3	252.8	224.2	217.7	238.0	222.1	187.6	147.1	141.2
G69.0	288.6	278.0	236.0	207.4	201.4	222.1	206.4	171.4	131.0	125.4
G70.0	274.3	262.3	220.0	191.6	185.5	206.5	191.4	155.1	114.8	109.7
G71.0	259.0	246.5	203.4	175.3	169.4	190.7	176.6	139.5	100.1	95.2
G72.0	245.1	230.6	187.8	159.6	153.5	174.8	161.4	123.7	85.8	80.2
G73.0	230.2	214.0	171.1	143.8	138.2	159.0	146.8	108.2	72.0	66.2

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 70  
 Test Type: TYPE C  
 Temperature: 23  
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.690 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	215.2	198.3	155.4	128.5	123.1	144.1	131.7	93.1	58.1	52.6
G75.0	199.6	182.2	139.6	112.8	108.4	128.3	116.8	78.7	45.3	39.8
G76.0	185.4	166.2	124.2	98.0	93.8	113.2	103.0	65.1	33.1	28.2
G77.0	170.4	150.1	109.1	82.6	79.0	98.6	89.0	52.7	22.8	17.7
G78.0	156.0	135.2	93.9	67.8	64.8	84.4	75.3	40.6	12.5	12.2
G79.0	140.9	119.4	79.3	53.4	50.9	70.2	62.8	29.7	10.0	10.8
G80.0	127.3	104.3	65.1	39.8	38.0	57.6	50.8	19.9	8.6	9.4
G81.0	112.9	89.3	50.7	27.5	25.5	45.5	39.5	11.9	7.3	8.1
G82.0	99.3	75.2	37.3	16.9	15.4	34.0	29.4	6.1	5.9	6.7
G83.0	85.7	61.8	25.3	12.7	10.8	23.1	20.3	4.9	4.7	5.4
G84.0	73.0	49.0	14.9	11.4	9.6	13.9	12.6	3.7	3.3	4.0
G85.0	60.7	36.9	11.5	10.0	8.2	7.1	6.8	2.5	2.1	2.7
G86.0	49.5	25.8	10.1	8.6	6.8	5.7	2.7	1.5	1.0	1.5
G87.0	38.9	15.1	8.6	7.2	5.5	4.5	1.4	1.3	1.0	1.0
G88.0	29.7	8.3	7.2	5.9	4.3	3.3	1.5	1.4	1.1	1.0
G89.0	21.7	6.6	5.8	4.5	3.0	2.2	1.5	1.5	1.1	1.1
G90.0	14.8	5.2	4.4	3.3	2.0	1.5	1.6	1.5	1.3	1.2
G91.0	9.5	3.8	3.1	2.2	1.2	1.6	1.7	1.6	1.3	1.3
G92.0	5.1	2.4	1.9	1.4	1.3	1.7	1.8	1.7	1.4	1.4
G93.0	3.6	1.9	1.3	1.4	1.4	1.8	1.9	1.8	1.5	1.5
G94.0	3.9	2.1	1.5	1.5	1.5	1.9	2.0	1.9	1.6	1.5
G95.0	4.2	2.3	1.5	1.5	1.5	2.0	2.1	2.0	1.7	1.6
G96.0	4.2	2.4	1.6	1.6	1.6	2.1	2.1	2.1	1.8	1.7
G97.0	4.2	2.4	1.7	1.7	1.7	2.1	2.3	2.2	1.9	1.8
G98.0	4.2	2.4	1.8	1.8	1.8	2.3	2.3	2.3	2.0	1.9
G99.0	3.7	2.5	1.9	1.9	1.9	2.4	2.4	2.4	2.1	2.0
G100.0	3.6	2.5	2.0	2.0	2.0	2.5	2.5	2.5	2.1	2.1
G101.0	3.8	2.6	2.0	2.1	2.1	2.6	2.7	2.6	2.3	2.2
G102.0	3.5	2.7	2.1	2.2	2.2	2.7	2.8	2.7	2.4	2.3
G103.0	3.5	2.7	2.2	2.3	2.3	2.8	2.9	2.8	2.5	2.4
G104.0	3.6	2.8	2.3	2.4	2.4	2.9	3.0	2.8	2.5	2.5
G105.0	3.6	2.9	2.4	2.5	2.5	3.0	3.0	2.9	2.7	2.6
G106.0	3.6	3.0	2.5	2.7	2.6	3.1	3.2	3.0	2.8	2.7
G107.0	3.6	3.0	2.6	2.8	2.7	3.2	3.3	3.2	2.9	2.8
G108.0	3.6	3.1	2.7	2.9	2.8	3.3	3.4	3.3	2.9	2.9
G109.0	3.7	3.2	2.8	3.0	2.9	3.4	3.5	3.3	3.0	3.0
G110.0	3.9	3.3	2.9	3.1	3.0	3.5	3.6	3.5	3.2	3.1

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 70  
 Test Type: TYPE C  
 Temperature: 23  
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.690 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	3.9	3.4	3.0	3.2	3.2	3.6	3.7	3.5	3.3	3.2
G112.0	3.9	3.5	3.1	3.3	3.3	3.7	3.8	3.7	3.3	3.3
G113.0	4.0	3.6	3.2	3.4	3.4	3.8	3.9	3.8	3.5	3.4
G114.0	4.0	3.7	3.3	3.5	3.5	3.9	4.0	3.8	3.5	3.5
G115.0	4.2	3.8	3.4	3.6	3.6	4.0	4.1	4.0	3.6	3.6
G116.0	4.2	3.9	3.5	3.6	3.7	4.1	4.2	4.0	3.8	3.7
G117.0	4.3	4.0	3.6	3.8	3.8	4.2	4.3	4.2	3.8	3.8
G118.0	4.4	4.1	3.8	3.9	3.9	4.3	4.4	4.2	4.0	3.9
G119.0	4.5	4.2	3.8	4.0	4.0	4.4	4.5	4.3	4.0	4.0
G120.0	4.6	4.3	4.0	4.1	4.1	4.5	4.6	4.4	4.2	4.1
G121.0	4.7	4.4	4.1	4.2	4.2	4.6	4.7	4.6	4.3	4.2
G122.0	4.8	4.4	4.2	4.3	4.3	4.7	4.8	4.6	4.3	4.3
G123.0	4.9	4.6	4.3	4.4	4.4	4.8	4.9	4.7	4.4	4.4
G124.0	5.0	4.7	4.4	4.5	4.5	4.9	5.0	4.8	4.6	4.5
G125.0	5.1	4.7	4.5	4.6	4.7	5.0	5.1	4.9	4.7	4.6
G126.0	5.2	4.8	4.6	4.7	4.7	5.1	5.2	5.0	4.7	4.7
G127.0	5.3	4.9	4.7	4.8	4.8	5.2	5.3	5.1	4.8	4.8
G128.0	5.3	5.0	4.8	4.9	4.9	5.3	5.4	5.2	4.9	4.9
G129.0	5.5	5.1	4.9	5.0	5.1	5.4	5.5	5.3	5.1	5.0
G130.0	5.5	5.2	5.0	5.1	5.2	5.5	5.7	5.4	5.1	5.1
G131.0	5.7	5.3	5.1	5.3	5.3	5.6	5.8	5.6	5.3	5.2
G132.0	5.8	5.4	5.2	5.3	5.3	5.7	5.9	5.7	5.3	5.3
G133.0	5.8	5.5	5.3	5.4	5.5	5.8	6.0	5.9	5.5	5.3
G134.0	5.9	5.6	5.4	5.5	5.5	5.9	6.1	6.1	5.5	5.4
G135.0	6.1	5.7	5.5	5.6	5.7	6.1	6.2	6.4	5.7	5.5
G136.0	6.2	5.8	5.6	5.7	5.8	6.2	6.3	6.5	5.8	5.7
G137.0	6.3	5.9	5.7	5.8	5.9	6.3	6.4	6.6	5.9	5.8
G138.0	6.4	6.0	5.8	5.9	6.0	6.5	6.5	6.7	6.0	5.9
G139.0	6.4	6.2	5.9	6.0	6.1	6.7	6.6	6.7	6.1	5.9
G140.0	6.6	6.3	6.0	6.1	6.2	7.1	6.7	6.7	6.2	6.1
G141.0	6.7	6.5	6.1	6.2	6.3	7.6	6.8	6.8	6.3	6.2
G142.0	6.8	6.7	6.2	6.3	6.4	7.9	6.9	6.9	6.4	6.3
G143.0	6.9	6.9	6.3	6.4	6.5	8.2	7.0	7.0	6.5	6.3
G144.0	7.0	7.0	6.4	6.5	6.6	8.2	7.1	7.1	6.6	6.4
G145.0	7.1	7.1	6.5	6.6	6.7	8.1	7.2	7.2	6.7	6.6
G146.0	7.2	7.2	6.6	6.7	6.8	8.0	7.3	7.3	6.8	6.7
G147.0	7.3	7.6	6.7	6.8	6.8	8.0	7.4	7.4	6.9	6.7

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 70  
 Test Type: TYPE C  
 Temperature: 23  
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.690 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	7.4	7.7	6.8	6.9	7.0	8.1	7.4	7.5	7.0	6.8
G149.0	7.6	7.8	6.9	7.0	7.1	8.2	7.5	7.6	7.2	7.0
G150.0	7.7	7.8	7.0	7.1	7.2	8.3	7.6	7.7	7.5	7.1
G151.0	7.7	8.0	7.2	7.2	7.3	8.4	7.7	7.7	7.7	7.2
G152.0	7.8	8.1	7.3	7.3	7.4	8.5	7.7	7.7	7.8	7.3
G153.0	7.8	8.2	7.4	7.4	7.6	8.6	7.8	7.8	7.9	7.5
G154.0	7.9	8.2	7.7	7.5	8.1	8.7	7.9	7.8	7.8	7.8
G155.0	7.9	8.0	7.9	7.6	8.8	8.7	7.9	7.9	7.8	8.0
G156.0	8.0	7.9	8.2	7.8	9.3	8.6	8.0	8.0	7.9	8.1
G157.0	8.1	7.9	8.4	8.1	9.4	8.4	8.1	8.1	7.9	8.1
G158.0	8.1	7.9	8.5	8.7	9.2	8.3	8.2	8.1	8.1	8.0
G159.0	8.2	8.0	8.3	9.5	9.0	8.3	8.2	8.2	8.2	8.1
G160.0	8.2	8.1	8.2	9.9	9.0	8.4	8.3	8.3	8.3	8.2
G161.0	8.3	8.2	8.2	9.8	9.1	8.4	8.4	8.3	8.4	8.3
G162.0	8.4	8.2	8.2	9.5	9.1	8.4	8.4	8.4	8.4	8.5
G163.0	8.4	8.3	8.6	9.4	9.2	8.5	8.5	8.5	8.4	8.5
G164.0	8.5	8.4	9.2	9.4	9.2	8.5	8.5	8.5	8.4	8.6
G165.0	8.6	8.5	8.9	9.4	9.0	8.6	8.6	8.5	8.4	8.6
G166.0	8.6	8.5	8.8	9.5	8.9	8.6	8.6	8.6	8.5	8.6
G167.0	8.7	8.6	9.0	8.9	8.6	8.7	8.7	8.6	8.5	8.6
G168.0	8.8	8.6	9.2	8.8	8.6	8.7	8.8	8.7	8.6	8.7
G169.0	8.9	8.7	9.3	8.8	8.6	8.8	8.8	8.8	8.6	8.8
G170.0	9.1	8.8	9.3	8.9	8.7	8.8	8.8	8.8	8.7	8.8
G171.0	9.1	8.9	9.4	8.9	8.7	8.8	8.9	8.8	8.8	8.9
G172.0	9.1	9.1	9.4	8.9	8.8	8.9	8.9	8.9	8.8	8.9
G173.0	9.1	9.2	9.4	9.0	8.8	8.9	9.0	8.9	8.8	9.0
G174.0	9.3	9.3	9.4	9.0	8.9	8.9	9.0	8.9	8.9	9.0
G175.0	9.4	9.3	9.4	9.1	8.9	8.9	9.0	8.9	8.9	9.1
G176.0	9.4	9.3	9.4	9.1	8.9	8.9	9.1	9.0	8.9	9.1
G177.0	9.4	9.3	9.4	9.1	8.9	9.0	9.1	9.0	9.0	9.1
G178.0	9.5	9.4	9.4	9.1	9.0	9.0	9.1	9.0	9.0	9.1
G179.0	9.5	9.4	9.3	9.1	9.0	9.0	9.2	9.1	9.1	9.2
G180.0	9.4	9.2	9.1	9.2	9.0	9.0	9.4	9.2	9.1	9.2

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 70  
 Test Type: TYPE C  
 Temperature: 23  
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.690 m  
 Humidity: 88  
 Inspector:

## Candlepower Table (Continue 5)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G0.0	832.0	831.3	832.2							
G1.0	831.7	831.3	832.9							
G2.0	831.1	831.2	833.0							
G3.0	830.0	830.6	832.9							
G4.0	828.9	829.9	832.5							
G5.0	827.3	828.7	831.9							
G6.0	825.6	827.2	830.8							
G7.0	823.7	825.6	829.6							
G8.0	821.4	823.5	828.1							
G9.0	818.9	821.4	826.4							
G10.0	816.1	818.9	824.3							
G11.0	813.2	816.2	821.8							
G12.0	809.9	813.1	819.4							
G13.0	806.5	810.0	816.4							
G14.0	802.6	806.3	813.2							
G15.0	798.5	802.6	809.8							
G16.0	794.2	798.6	806.0							
G17.0	789.7	794.1	802.1							
G18.0	784.8	789.5	798.0							
G19.0	779.6	784.8	793.3							
G20.0	774.2	779.7	788.7							
G21.0	768.6	774.4	783.8							
G22.0	762.5	768.5	778.3							
G23.0	756.7	762.7	773.0							
G24.0	749.9	756.8	767.1							
G25.0	743.1	750.2	761.3							
G26.0	736.1	743.5	754.9							
G27.0	728.9	736.5	748.3							
G28.0	721.2	729.4	741.7							
G29.0	713.3	722.0	734.9							
G30.0	705.0	714.5	727.5							
G31.0	696.5	706.4	720.0							
G32.0	687.7	698.3	712.5							
G33.0	678.3	689.9	704.7							
G34.0	669.0	681.3	696.5							
G35.0	659.2	672.4	688.3							
G36.0	649.0	663.3	679.5							

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 70  
 Test Type: TYPE C  
 Temperature: 23  
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.690 m  
 Humidity: 88  
 Inspector:

## Candlepower Table (Continue 6)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G37.0	637.8	654.2	670.8							
G38.0	627.5	644.5	661.8							
G39.0	616.3	634.7	652.5							
G40.0	604.9	624.5	642.8							
G41.0	593.2	614.4	633.8							
G42.0	581.9	603.8	623.7							
G43.0	570.1	593.0	613.7							
G44.0	557.4	582.2	603.6							
G45.0	543.2	570.6	593.5							
G46.0	529.9	559.2	582.8							
G47.0	515.3	547.2	572.0							
G48.0	501.2	535.4	560.9							
G49.0	486.1	522.7	549.7							
G50.0	471.9	510.4	538.2							
G51.0	455.6	497.0	526.5							
G52.0	441.0	484.2	514.8							
G53.0	425.1	470.5	503.3							
G54.0	410.1	456.7	491.0							
G55.0	394.2	442.7	479.1							
G56.0	378.2	428.6	465.9							
G57.0	361.7	414.3	453.8							
G58.0	346.0	400.4	440.9							
G59.0	329.4	386.3	427.6							
G60.0	312.9	371.1	414.5							
G61.0	296.2	354.5	401.0							
G62.0	279.3	338.8	387.3							
G63.0	262.4	322.5	374.0							
G64.0	246.1	306.5	360.2							
G65.0	228.3	289.7	346.4							
G66.0	211.7	273.6	332.0							
G67.0	194.8	256.7	317.7							
G68.0	178.0	240.6	303.1							
G69.0	161.3	223.6	288.6							
G70.0	144.9	207.4	274.3							
G71.0	128.8	190.7	259.0							
G72.0	113.7	173.9	245.1							
G73.0	98.5	157.7	230.2							

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 70  
 Test Type: TYPE C  
 Temperature: 23  
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.690 m  
 Humidity: 88  
 Inspector:

## Candlepower Table (Continue 7)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G74.0	83.8	141.9	215.2							
G75.0	69.7	125.9	199.6							
G76.0	56.1	110.3	185.4							
G77.0	43.4	95.0	170.4							
G78.0	31.2	80.1	156.0							
G79.0	21.0	66.7	140.9							
G80.0	11.9	53.4	127.3							
G81.0	10.4	41.4	112.9							
G82.0	9.0	30.0	99.3							
G83.0	7.6	19.8	85.7							
G84.0	6.2	11.1	73.0							
G85.0	4.8	7.0	60.7							
G86.0	3.4	5.5	49.5							
G87.0	2.1	4.1	38.9							
G88.0	1.3	2.9	29.7							
G89.0	1.3	1.9	21.7							
G90.0	1.4	1.9	14.8							
G91.0	1.4	2.0	9.5							
G92.0	1.5	2.0	5.1							
G93.0	1.5	2.1	3.6							
G94.0	1.6	2.1	3.9							
G95.0	1.7	2.2	4.2							
G96.0	1.7	2.2	4.2							
G97.0	1.8	2.3	4.2							
G98.0	1.9	2.3	4.2							
G99.0	2.0	2.4	3.7							
G100.0	2.0	2.4	3.6							
G101.0	2.1	2.5	3.8							
G102.0	2.2	2.5	3.5							
G103.0	2.3	2.7	3.5							
G104.0	2.4	3.5	3.6							
G105.0	2.5	2.8	3.6							
G106.0	2.6	2.9	3.6							
G107.0	2.7	2.9	3.6							
G108.0	2.8	3.0	3.6							
G109.0	2.9	3.1	3.7							
G110.0	3.0	3.2	3.9							

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 70  
 Test Type: TYPE C  
 Temperature: 23  
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.690 m  
 Humidity: 88  
 Inspector:

## Candlepower Table (Continue 8)

Unit: cd

G\c	C300.0	C330.0	C360.0							
G111.0	3.0	3.3	3.9							
G112.0	3.2	3.4	3.9							
G113.0	3.3	3.5	4.0							
G114.0	3.4	3.6	4.0							
G115.0	3.5	3.7	4.2							
G116.0	3.6	3.8	4.2							
G117.0	3.7	3.8	4.3							
G118.0	3.8	4.0	4.4							
G119.0	3.8	4.0	4.5							
G120.0	4.0	4.2	4.6							
G121.0	4.1	4.2	4.7							
G122.0	4.2	4.3	4.8							
G123.0	4.3	4.4	4.9							
G124.0	4.3	4.5	5.0							
G125.0	4.4	4.6	5.1							
G126.0	4.6	4.7	5.2							
G127.0	4.6	4.8	5.3							
G128.0	4.7	4.9	5.3							
G129.0	4.8	5.0	5.5							
G130.0	4.9	5.1	5.5							
G131.0	5.0	5.2	5.7							
G132.0	5.1	5.3	5.8							
G133.0	5.2	5.4	5.8							
G134.0	5.3	5.5	5.9							
G135.0	5.4	5.6	6.1							
G136.0	5.5	5.8	6.2							
G137.0	5.7	6.0	6.3							
G138.0	5.8	6.1	6.4							
G139.0	5.9	6.2	6.4							
G140.0	6.0	6.3	6.6							
G141.0	6.1	6.3	6.7							
G142.0	6.2	6.4	6.8							
G143.0	6.3	6.4	6.9							
G144.0	6.4	6.6	7.0							
G145.0	6.5	6.7	7.1							
G146.0	6.6	7.1	7.2							
G147.0	6.7	7.3	7.3							

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 70  
 Test Type: TYPE C  
 Temperature: 23  
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.690 m  
 Humidity: 88  
 Inspector:

## Candlepower Table (Continue 9)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G148.0	6.8	7.3	7.4							
G149.0	6.9	7.4	7.6							
G150.0	7.1	7.6	7.7							
G151.0	7.3	7.6	7.7							
G152.0	7.5	7.7	7.8							
G153.0	7.6	7.8	7.8							
G154.0	7.6	7.8	7.9							
G155.0	7.7	7.8	7.9							
G156.0	7.7	7.9	8.0							
G157.0	7.7	7.9	8.1							
G158.0	7.8	7.9	8.1							
G159.0	8.0	8.0	8.2							
G160.0	8.3	8.1	8.2							
G161.0	8.4	8.2	8.3							
G162.0	8.5	8.2	8.4							
G163.0	8.6	8.3	8.4							
G164.0	8.6	8.4	8.5							
G165.0	8.8	8.4	8.6							
G166.0	9.0	8.5	8.6							
G167.0	9.1	8.6	8.7							
G168.0	9.1	8.7	8.8							
G169.0	9.2	8.8	8.9							
G170.0	9.2	8.9	9.1							
G171.0	9.3	9.0	9.1							
G172.0	9.3	9.2	9.1							
G173.0	9.3	9.2	9.1							
G174.0	9.3	9.2	9.3							
G175.0	9.3	9.3	9.4							
G176.0	9.3	9.3	9.4							
G177.0	9.3	9.3	9.4							
G178.0	9.1	9.3	9.5							
G179.0	9.1	9.1	9.5							
G180.0	9.0	9.0	9.4							

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 70  
 Test Type: TYPE C  
 Temperature: 23  
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.690 m  
 Humidity: 88  
 Inspector: