

Report No.: 20200804

Test Time: 2020-08-05 10:52

## Luminaire Property

Luminaire Manufacturer:  
Luminaire Category: NB  
Luminaire Description: MX811ALM04014B40DXW  
Lamp Catalog: 4000K  
Lamp Description: SLE40-1800 120-277 WD1R  
Number of Lamps: 2  
Lumens per Lamp: 4908.7  
Luminous Length (mm): 2395  
Luminous Width (mm): 80  
Luminous Height (mm): 105  
Voltage: 119.0 V  
Current: 0.346 A  
Power: 81.03 W  
Power Factor: 0.997

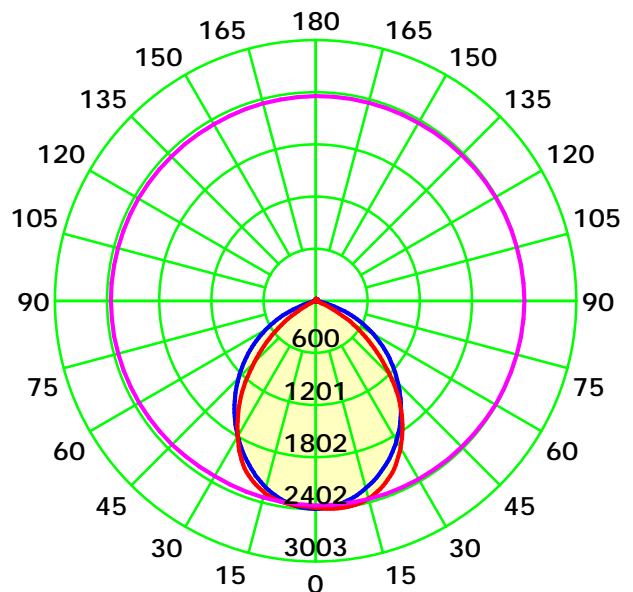
## Photometric Results

CIE Class: Direct  
Measurement Flux: 4908.7 lm  
Downward Ratio: 49.38%  
Field Angle: H142.5 V123.5  
Luminaire Efficacy Rating (LER): 61  
Max. Intensity: 2402.73 cd  
Total Rated Lamp Lumens: 9817.4 lm  
Efficiency: 50.00%  
Upward Ratio: 0.62%  
Beam Angle: H95.5 V86.9  
Central Intensity: 2395.55 cd  
Pos of Max. Intensity: H90 V7

Picture Of Luminaire



Luminous Intensity Distribution Curve



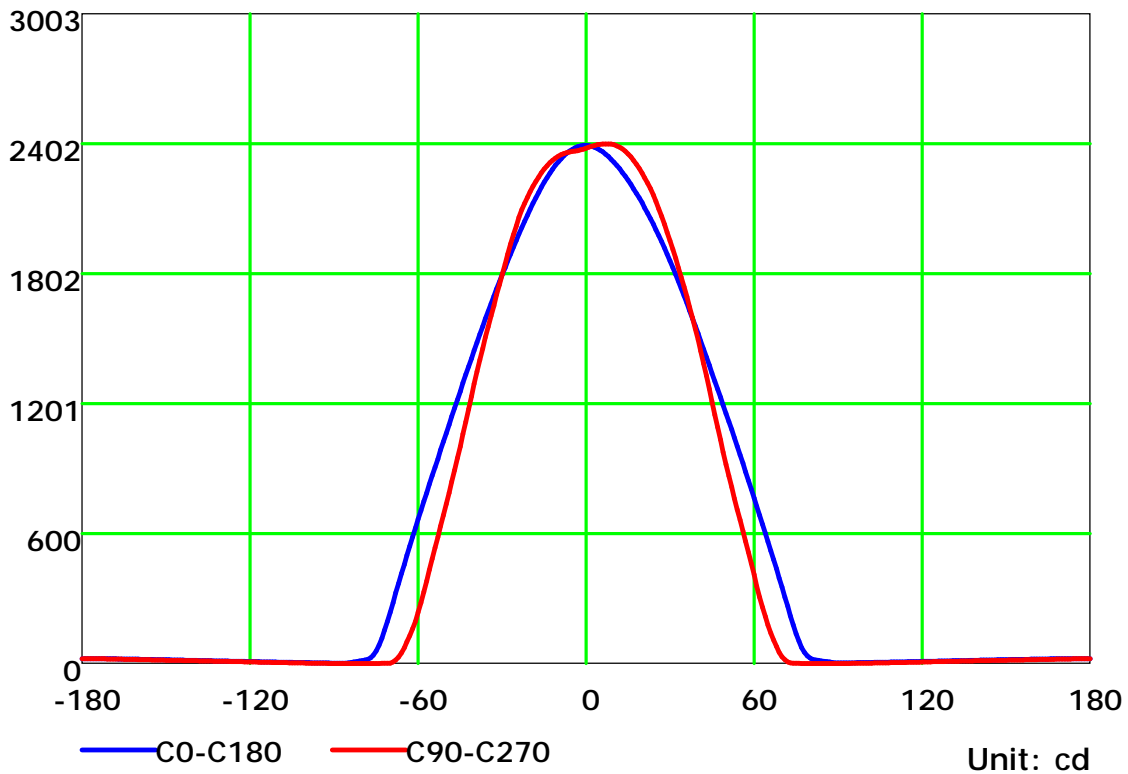
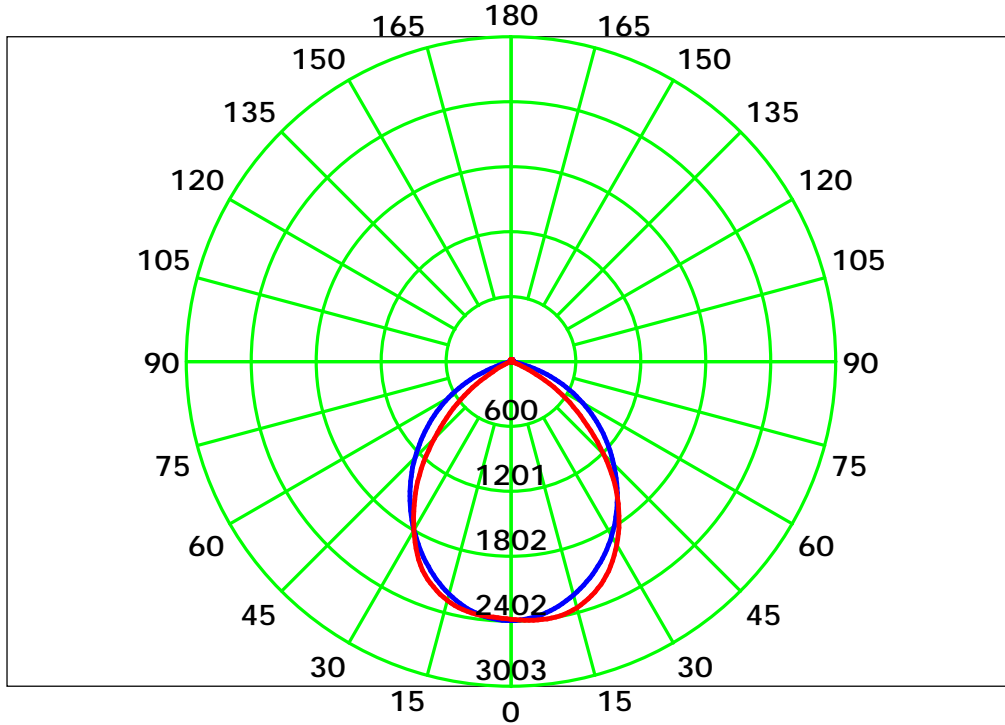
Average Diffuse Angle(50%): 91.2° Unit: cd

— C0-C180 — C90-C270 — G7

C Plane (°):0.0-360.0: 30.0  
Test Lab: 65  
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:

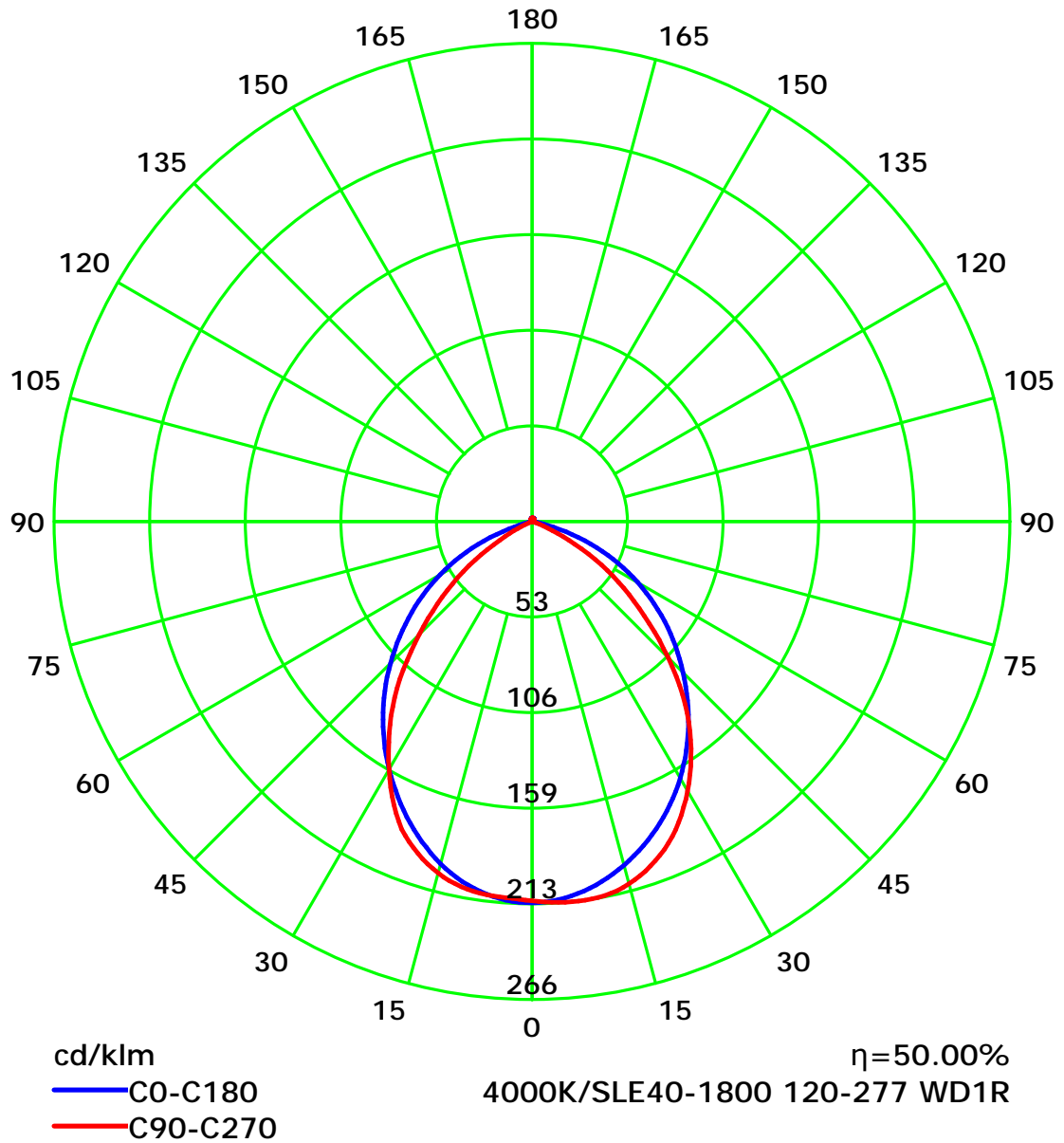
## Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 30.0  
 Test Lab: 65  
 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)



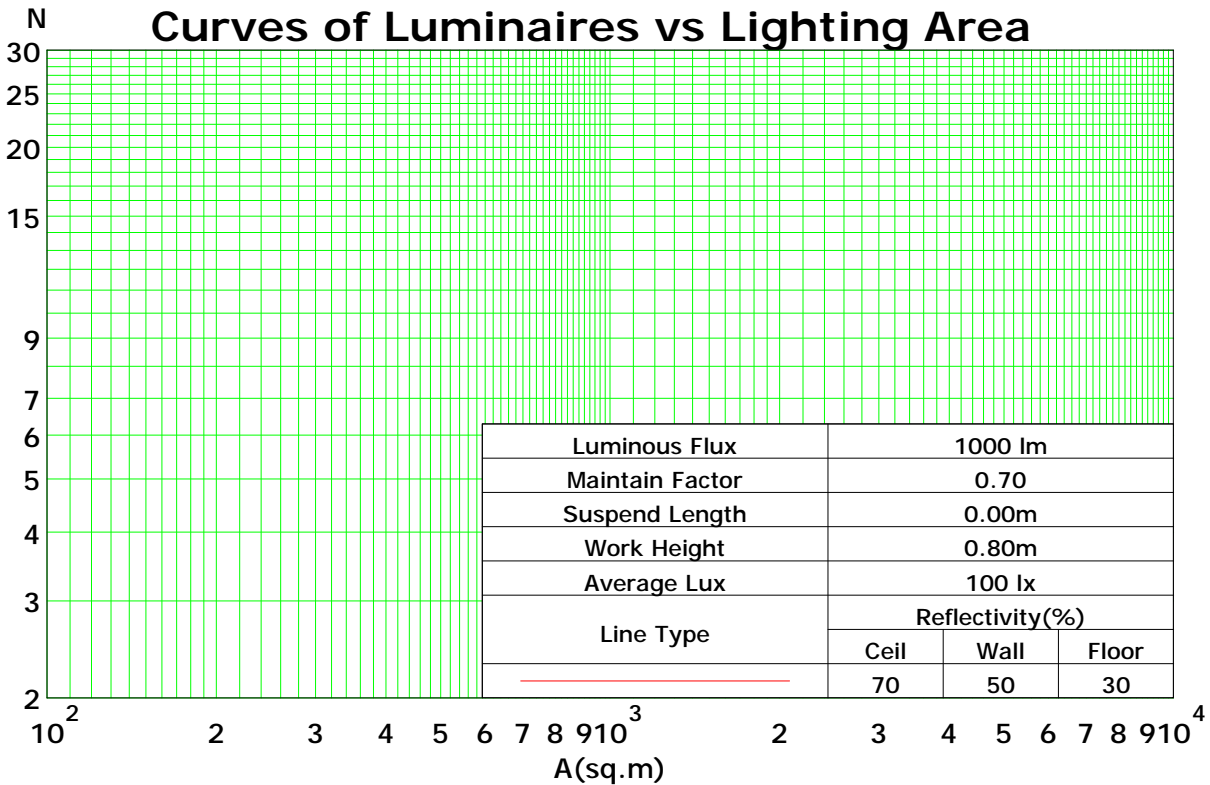
C Plane (°):0.0-360.0: 30.0  
 Test Lab: 65  
 Test Type: TYPE C  
 Temperature: 23  
 Operator: QIU

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	54	52	50	54	52	51	50	50	49	48	48	47	46	46	46	45	44
2	51	48	45	43	50	47	45	42	45	43	41	44	42	40	42	41	39	38
3	48	43	40	37	46	42	39	37	41	38	36	39	37	35	38	36	35	34
4	44	39	35	32	43	38	35	32	37	34	31	36	33	31	35	32	30	30
5	41	35	31	28	40	35	31	28	33	30	28	32	30	27	32	29	27	26
6	38	32	28	25	37	31	28	25	30	27	25	30	27	24	29	26	24	23
7	35	29	25	22	34	29	25	22	28	25	22	27	24	22	27	24	22	21
8	33	27	23	20	32	26	23	20	26	22	20	25	22	20	24	22	20	19
9	31	25	21	18	30	24	21	18	24	20	18	23	20	18	23	20	18	17
10	29	23	19	17	28	23	19	17	22	19	17	22	19	16	21	18	16	16

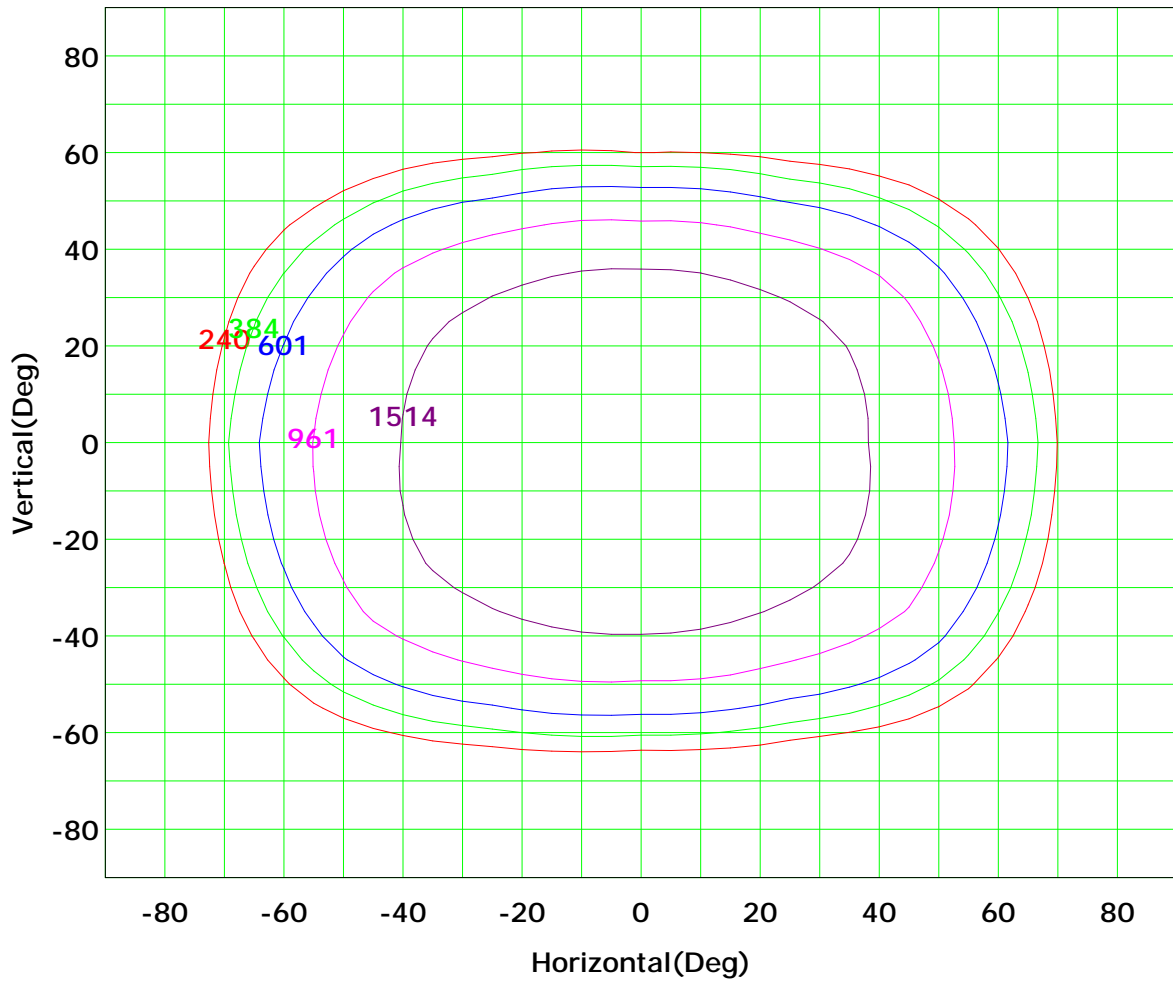
Spacing Criteria (0-180): 1.15  
 Spacing Criteria (90-270): 1.18  
 Spacing Criteria (Diagonal): 1.25



C Plane (°):0.0-360.0: 30.0  
 Test Lab: 65  
 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)



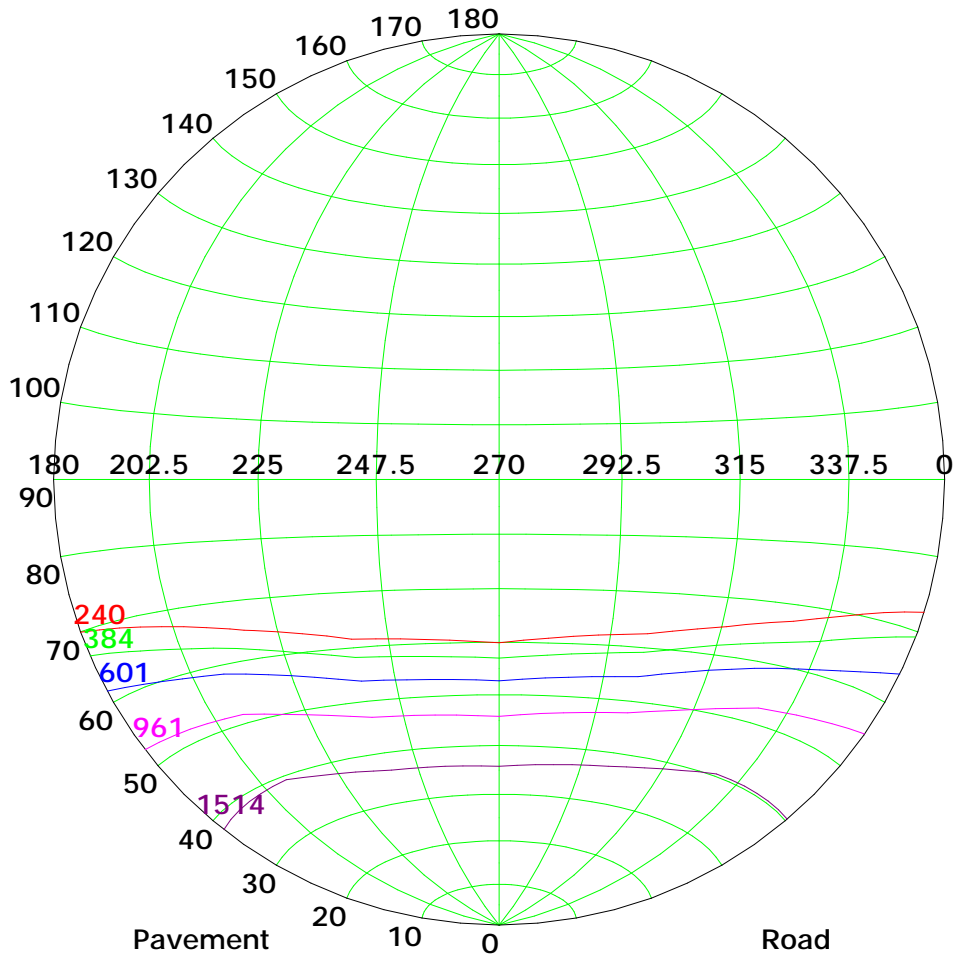
Imax (100%): 2403 cd

— ( 10%): 240 cd	— ( 16%): 384 cd
— ( 25%): 601 cd	— ( 40%): 961 cd
— ( 63%): 1514 cd	— (100%): 2403 cd

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 65  
 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)



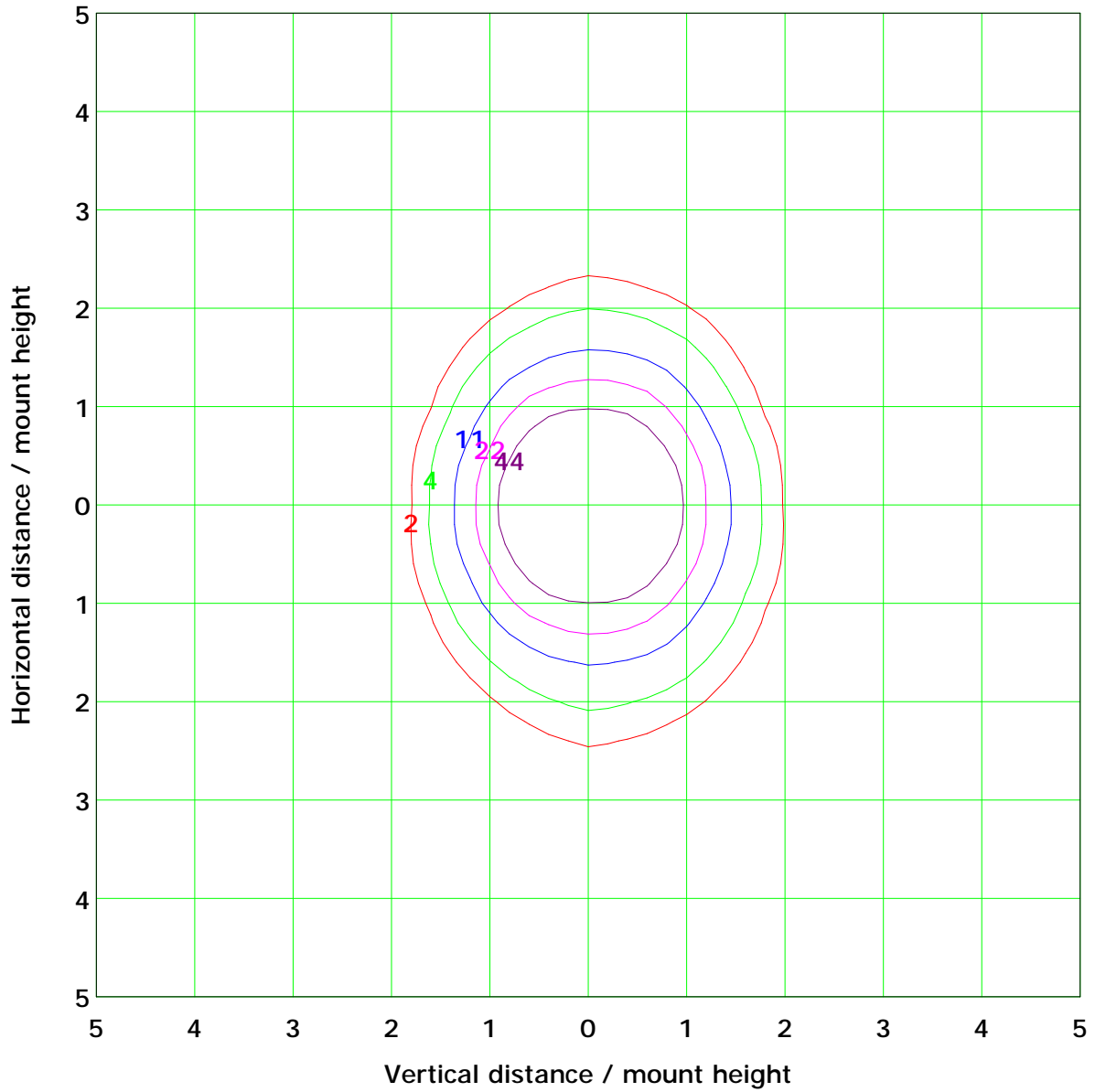
**Imax (100%): 2403 cd**

- |                   |                   |
|-------------------|-------------------|
| — ( 10%): 240 cd  | — ( 16%): 384 cd  |
| — ( 25%): 601 cd  | — ( 40%): 961 cd  |
| — ( 63%): 1514 cd | — (100%): 2403 cd |

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 65  
 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



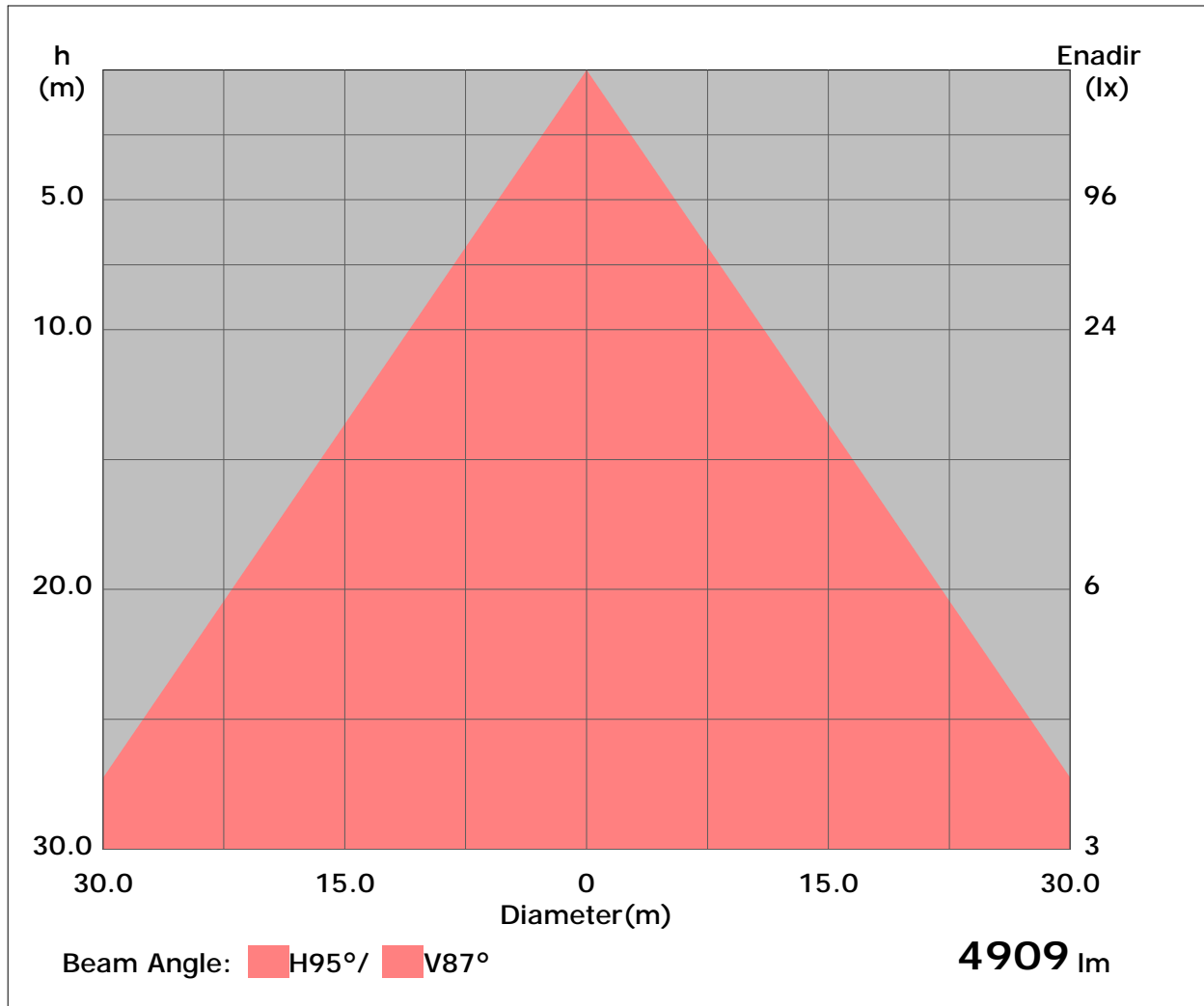
Mounting Height: 3.3m    Max Lux(100%): 220.0 lx

— ( 1%): 2.2 lx	— ( 2%): 4.4 lx
— ( 5%): 11.0 lx	— ( 10%): 22.0 lx
— ( 20%): 44.0 lx	

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 65  
 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

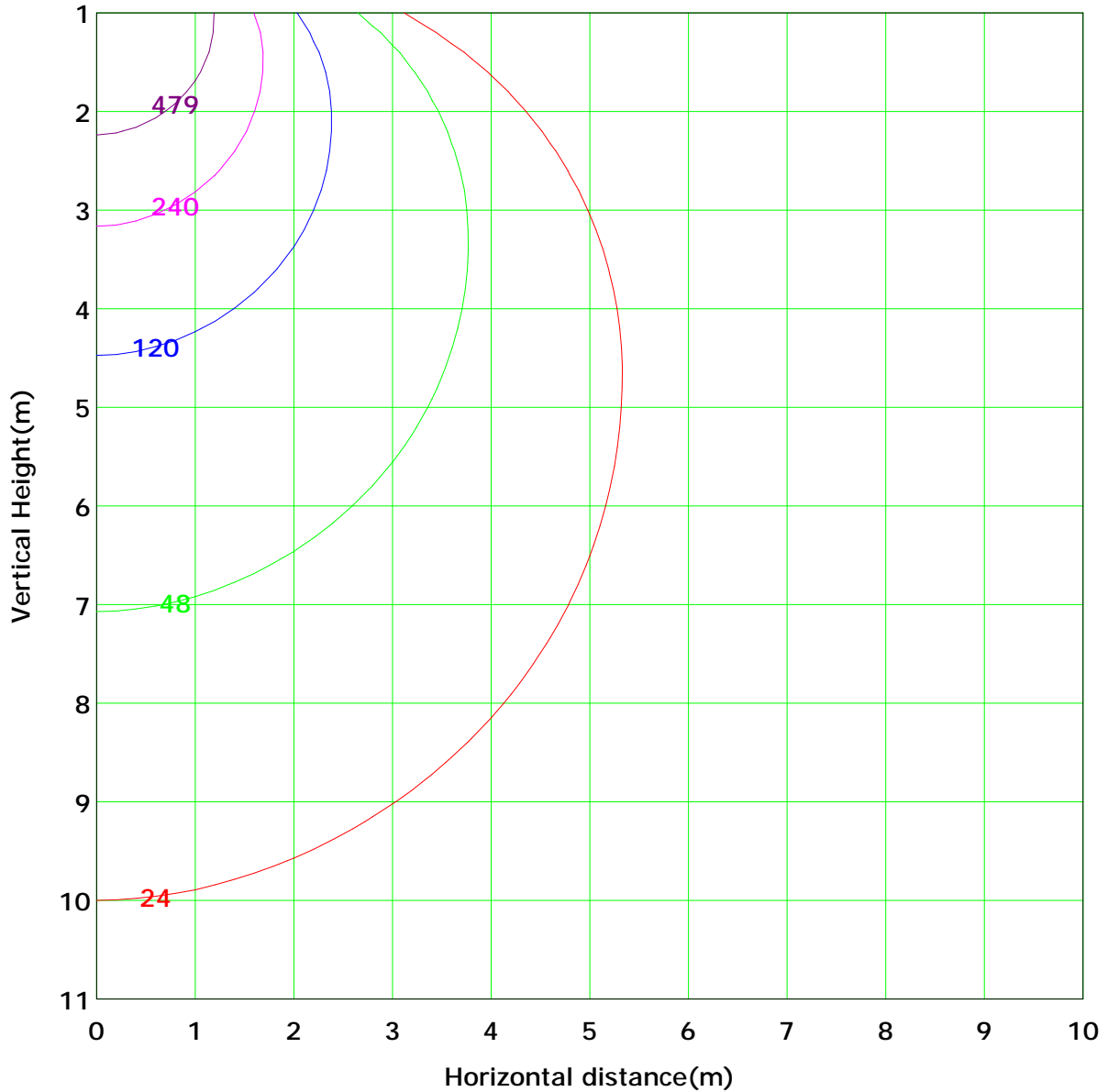


C Plane (°):0.0-360.0: 30.0  
 Test Lab: 65  
 Test Type: TYPE C  
 Temperature: 23  
 Operator: QIU

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: 2395.6 lx  
 ( 1%): 24.0 lx                      ( 2%): 47.9 lx  
 ( 5%): 119.8 lx                      ( 10%): 239.6 lx  
 ( 20%): 479.1 lx

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 65  
 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

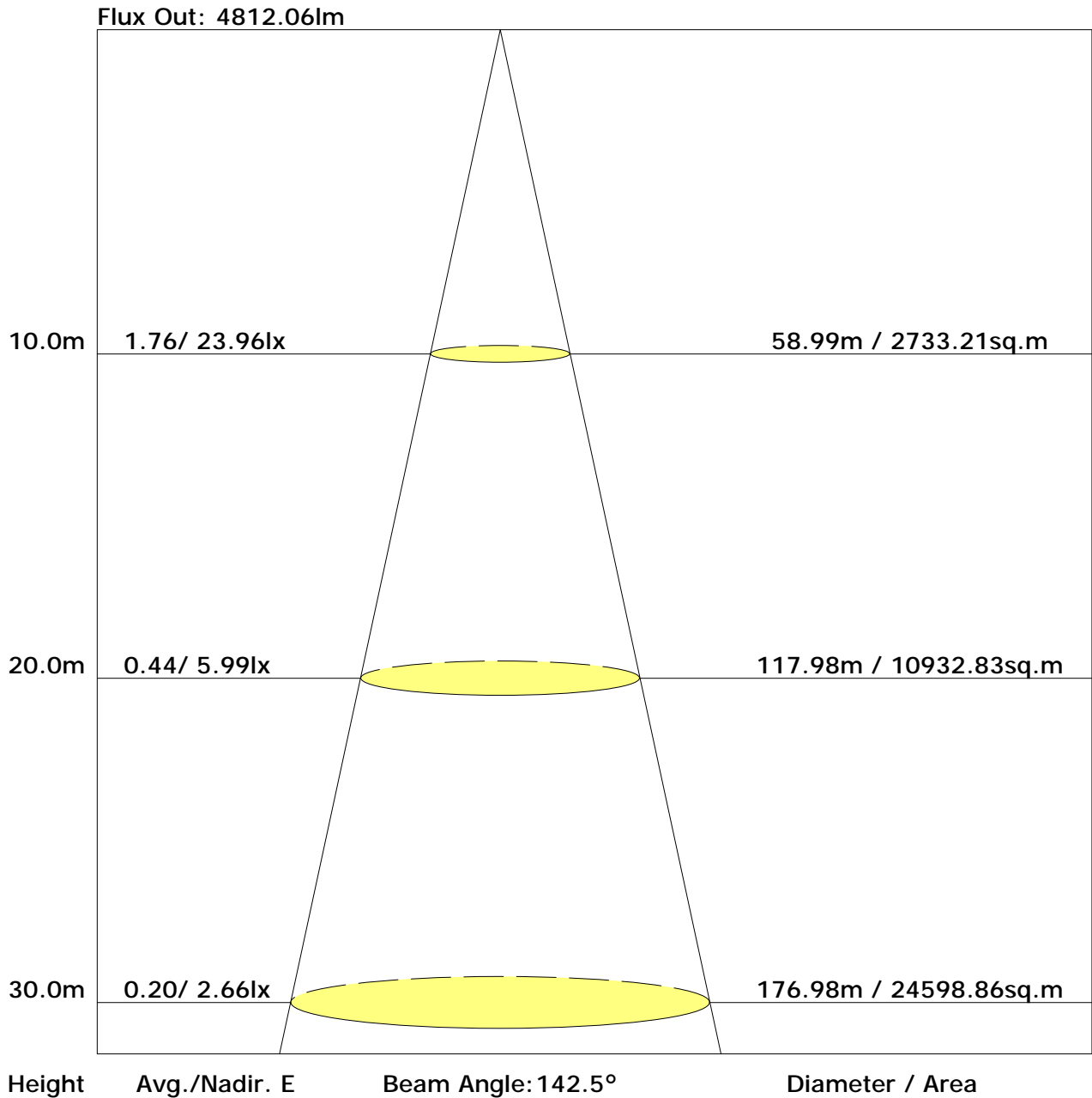
Unit: lm

		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)	
Horizontal plane	-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			0.0
	-80	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	4.5
-70	0.0	0.0	0.1	0.3	0.8	1.3	1.7	2.5	3.0	3.0	3.0	2.9	2.8	2.8	2.8	2.7	2.7	2.7	2.7	2.7	2.7	40.2	31.9
-60	0.0	0.1	0.4	1.7	4.3	7.4	10.2	13.2	14.7	15.0	14.0	11.3	8.4	5.1	2.3	0.7	0.1	0.1	0.1	0.1	0.1	40.2	111.4
-50	0.0	0.1	1.2	4.7	10.5	16.9	22.5	27.6	30.5	30.8	28.6	23.8	18.2	11.5	5.6	1.9	0.2	0.0	0.0	0.0	0.0	118.2	221.4
-40	0.0	0.2	2.5	8.3	17.2	26.6	35.2	42.5	46.8	47.1	43.4	36.5	27.8	18.5	9.4	3.4	0.5	0.0	0.0	0.0	0.0	111.4	221.4
-30	0.0	0.4	3.9	11.5	22.3	34.5	45.4	54.8	60.4	60.5	55.4	46.4	35.7	23.7	12.8	4.9	0.8	0.0	0.0	0.0	0.0	111.4	221.4
-20	0.0	0.6	5.0	13.7	25.5	38.9	51.6	62.1	68.3	68.2	62.2	52.4	40.2	27.0	15.2	6.2	1.1	0.0	0.0	0.0	0.0	111.4	221.4
-10	0.0	0.7	5.8	15.0	27.0	40.5	53.8	64.9	71.1	70.8	64.9	54.9	42.1	28.7	16.6	7.1	1.3	0.0	0.0	0.0	0.0	111.4	221.4
0	0.0	0.7	5.9	15.3	27.3	41.0	54.4	65.6	71.9	71.9	65.9	55.6	42.7	29.1	16.9	7.2	1.3	0.0	0.0	0.0	0.0	111.4	221.4
10	0.0	0.6	5.4	14.6	26.6	40.1	53.2	63.9	70.3	70.3	64.4	54.5	41.8	28.3	16.1	6.6	1.2	0.0	0.0	0.0	0.0	111.4	221.4
20	0.0	0.5	4.4	12.8	24.3	36.7	48.1	57.8	63.6	63.8	58.7	49.5	38.4	25.9	14.4	5.6	0.9	0.0	0.0	0.0	0.0	111.4	221.4
30	0.0	0.3	3.1	10.0	20.0	29.8	39.2	47.2	52.0	52.4	48.4	40.9	31.6	21.7	11.5	4.1	0.6	0.0	0.0	0.0	0.0	111.4	221.4
40	0.0	0.1	1.7	6.5	13.5	20.6	27.0	33.0	36.4	36.9	34.3	28.8	22.3	15.2	7.7	2.5	0.3	0.0	0.0	0.0	0.0	111.4	221.4
50	0.0	0.1	0.6	2.9	6.5	10.6	14.3	18.0	20.0	20.4	19.1	15.9	12.2	7.9	3.9	1.1	0.1	0.0	0.0	0.0	0.0	111.4	221.4
60	0.0	0.0	0.2	0.7	1.7	2.7	3.7	5.2	5.9	6.2	6.0	4.8	3.7	2.4	1.1	0.3	0.1	0.0	0.0	0.0	0.0	111.4	221.4
70	0.0	0.0	0.1	0.1	0.2	0.2	0.1	0.2	0.2	0.2	0.3	0.2	0.3	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	111.4	221.4
80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	111.4	221.4
90	0.0	4.5	40.2	118.2	227.8	347.8	460.4	558.7	615.1	617.8	568.8	478.1	367.3	246.5	134.1	52.1	8.7	0.4	0.0	0.0	0.0	111.4	221.4
		0.0	31.9	111.4	221.4	341.8	454.9	553.1	609.8	612.2	563.1	472.3	361.2	240.0	127.6	44.7	2.1	0.0	0.0	0.0	0.0	111.4	221.4
																						4847	4747

 C Plane (°):0.0-360.0: 30.0  
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 Test Type: TYPE C  
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 Distance: 8.690 m  
 Humidity: 88  
 Inspector:

## The Average Illuminance Effective Figure



C Plane (°):0.0-360.0: 30.0  
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 Temperature: 23  
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0  
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 Inspector:

## UGR Table

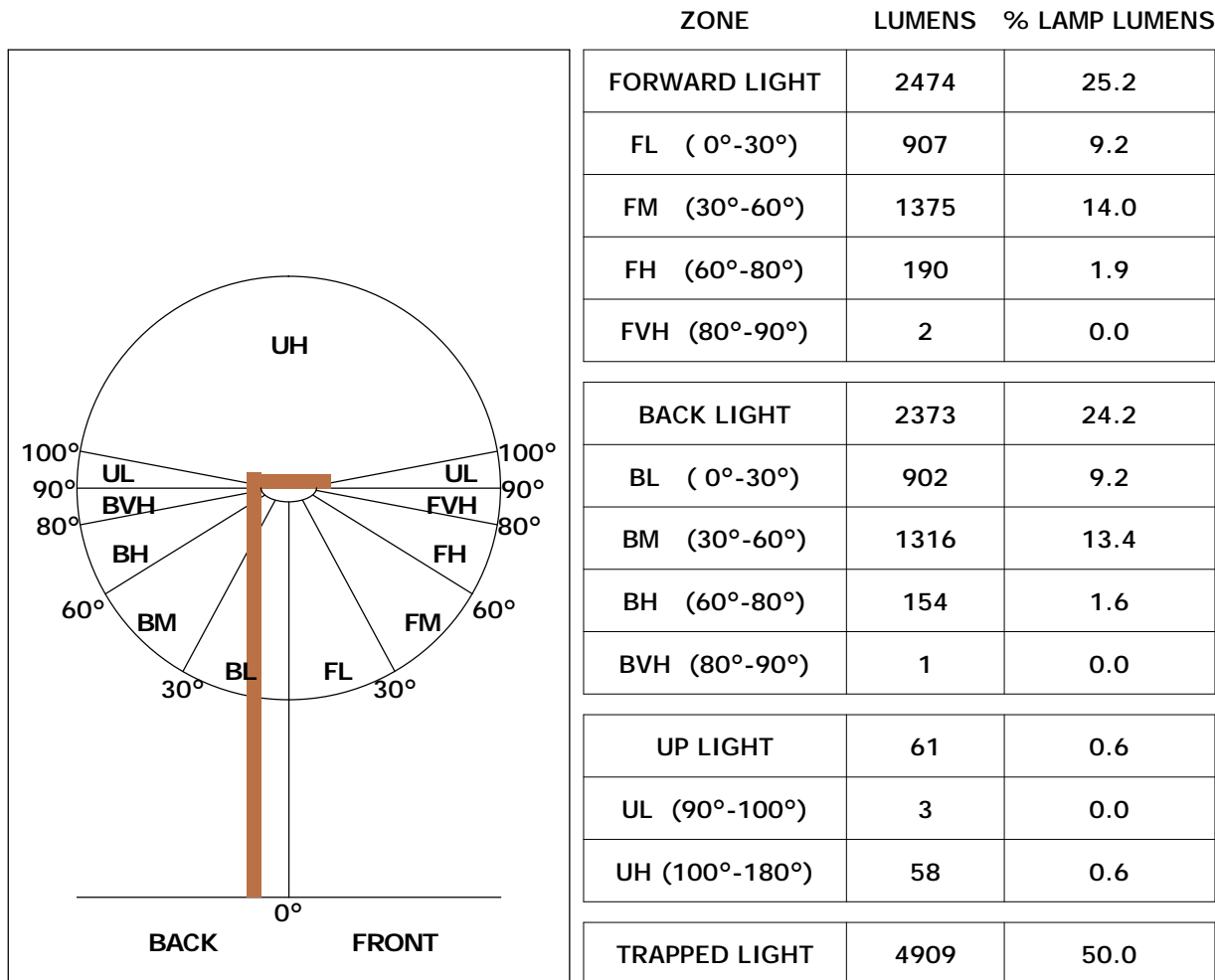
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	9.8	11.2	10.2	11.6	11.9	5.4	6.8	5.8	7.1	7.5
3H	10.7	12.0	11.1	12.3	12.7	5.3	6.6	5.7	6.9	7.3
4H	10.8	12.0	11.2	12.4	12.8	5.3	6.4	5.7	6.8	7.2
6H	10.8	11.8	11.2	12.2	12.7	5.2	6.3	5.6	6.7	7.1
8H	10.7	11.7	11.2	12.2	12.6	5.2	6.2	5.6	6.6	7.0
12H	10.7	11.7	11.2	12.1	12.5	5.1	6.1	5.6	6.5	7.0
X=4H Y=2H	9.8	10.9	10.2	11.3	11.7	5.8	6.9	6.2	7.3	7.7
3H	10.7	11.6	11.1	12.1	12.5	5.7	6.7	6.2	7.1	7.5
4H	10.8	11.6	11.3	12.1	12.5	5.7	6.5	6.1	6.9	7.4
6H	10.8	11.5	11.2	11.9	12.4	5.6	6.3	6.1	6.8	7.3
8H	10.7	11.4	11.2	11.8	12.3	5.5	6.2	6.0	6.7	7.2
12H	10.7	11.3	11.2	11.8	12.3	5.5	6.1	6.0	6.6	7.1
X=8H Y=4H	10.7	11.3	11.2	11.8	12.3	5.6	6.3	6.1	6.7	7.2
6H	10.6	11.2	11.1	11.7	12.2	5.5	6.1	6.0	6.6	7.1
8H	10.6	11.0	11.1	11.6	12.1	5.4	5.9	6.0	6.5	7.0
12H	10.5	11.0	11.1	11.5	12.1	5.4	5.8	5.9	6.4	7.0
X=12H Y=4H	10.6	11.2	11.1	11.7	12.2	5.6	6.2	6.1	6.7	7.2
6H	10.6	11.1	11.1	11.5	12.1	5.5	5.9	6.0	6.4	7.0
8H	10.5	11.0	11.0	11.5	12.1	5.4	5.8	5.9	6.4	7.0

Calculate in accordance with CIE 190:2010

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 65  
 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)	B2 U2 G1
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B2 U2 G0

C Plane (°):0.0-360.0: 30.0  
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 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	0.33	0.38	0.42	0.44	0.47	0.49	0.51	0.52	0.53	
	0.30		0.30	0.35	0.39	0.41	0.45	0.47	0.49	0.51	0.52	
	0.20		0.28	0.33	0.37	0.39	0.43	0.45	0.47	0.49	0.51	
0.50	0.50	0.20	0.32	0.37	0.41	0.43	0.46	0.47	0.49	0.50	0.51	
	0.30		0.29	0.35	0.38	0.40	0.44	0.46	0.47	0.49	0.50	
	0.20		0.27	0.33	0.36	0.39	0.42	0.44	0.46	0.48	0.49	
0.30	0.50	0.20	0.32	0.36	0.39	0.42	0.44	0.46	0.47	0.48	0.49	
	0.30		0.29	0.34	0.37	0.40	0.43	0.44	0.46	0.47	0.48	
	0.20		0.27	0.32	0.36	0.38	0.41	0.43	0.45	0.47	0.48	
0.00	0.00	0.00	0.26	0.31	0.34	0.36	0.39	0.41	0.43	0.44	0.45	
<p>Rating: 41W 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	0.42	0.34	0.28	0.24	0.19	0.15	0.13	0.10	0.08	
	0.30		0.35	0.29	0.24	0.21	0.17	0.14	0.12	0.09	0.08	
	0.20		0.30	0.25	0.22	0.19	0.15	0.13	0.11	0.09	0.07	
0.50	0.50	0.20	0.40	0.32	0.26	0.23	0.18	0.16	0.12	0.09	0.07	
	0.30		0.34	0.28	0.23	0.20	0.16	0.13	0.11	0.09	0.07	
	0.20		0.30	0.25	0.21	0.18	0.15	0.12	0.11	0.08	0.07	
0.30	0.50	0.20	0.39	0.30	0.25	0.21	0.17	0.13	0.11	0.09	0.07	
	0.30		0.33	0.27	0.23	0.19	0.15	0.13	0.11	0.08	0.07	
	0.20		0.29	0.24	0.20	0.18	0.14	0.12	0.10	0.08	0.06	
0.00	0.00	0.00	0.23	0.19	0.15	0.13	0.10	0.08	0.07	0.05	0.04	
<p>Rating: 41W 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	0.08	0.09	0.09	0.09	0.10	0.10	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	0.06	0.07	0.07	0.08	0.09	0.09	
0.50	0.50	0.20	0.08	0.08	0.09	0.09	0.10	0.10	0.10	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	0.05	0.05	0.06	0.07	0.08	0.09	0.09	
0.30	0.50	0.20	0.08	0.08	0.09	0.09	0.09	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	0.10	
	0.20		0.03	0.04	0.05	0.05	0.06	0.07	0.08	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: 41W 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	2384.6	2.3	2.3	0.02	0.02
1.0-2.0	2384.0	6.8	9.1	0.07	0.09
2.0-3.0	2382.7	11.4	20.5	0.12	0.21
3.0-4.0	2380.5	15.9	36.5	0.16	0.37
4.0-5.0	2377.6	20.5	56.9	0.21	0.58
5.0-6.0	2373.8	24.9	81.9	0.25	0.83
6.0-7.0	2368.9	29.4	111.3	0.30	1.13
7.0-8.0	2363.0	33.8	145.1	0.34	1.48
8.0-9.0	2356.0	38.2	183.3	0.39	1.87
9.0-10.0	2347.9	42.5	225.8	0.43	2.30
10.0-11.0	2338.5	46.7	272.5	0.48	2.78
11.0-12.0	2327.8	50.9	323.4	0.52	3.29
12.0-13.0	2315.6	55.0	378.4	0.56	3.85
13.0-14.0	2302.1	58.9	437.3	0.60	4.45
14.0-15.0	2287.1	62.8	500.1	0.64	5.09
15.0-16.0	2270.7	66.5	566.6	0.68	5.77
16.0-17.0	2252.9	70.2	636.8	0.71	6.49
17.0-18.0	2233.7	73.7	710.5	0.75	7.24
18.0-19.0	2213.4	77.0	787.5	0.78	8.02
19.0-20.0	2191.6	80.2	867.7	0.82	8.84
20.0-21.0	2168.6	83.3	951.0	0.85	9.69
21.0-22.0	2144.3	86.2	1037.2	0.88	10.56
22.0-23.0	2119.0	88.9	1126.1	0.91	11.47
23.0-24.0	2092.1	91.5	1217.6	0.93	12.40
24.0-25.0	2063.8	93.9	1311.4	0.96	13.36
25.0-26.0	2034.2	96.0	1407.5	0.98	14.34
26.0-27.0	2003.1	98.0	1505.5	1.00	15.33
27.0-28.0	1970.3	99.8	1605.2	1.02	16.35
28.0-29.0	1936.1	101.3	1706.6	1.03	17.38
29.0-30.0	1901.0	102.7	1809.2	1.05	18.43
30.0-31.0	1864.9	103.8	1913.0	1.06	19.49
31.0-32.0	1827.7	104.7	2017.7	1.07	20.55
32.0-33.0	1789.6	105.4	2123.2	1.07	21.63
33.0-34.0	1750.8	106.0	2229.1	1.08	22.71
34.0-35.0	1711.4	106.3	2335.4	1.08	23.79
35.0-36.0	1671.4	106.4	2441.9	1.08	24.87

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 65  
 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	1630.5	106.4	2548.2	1.08	25.96
37.0-38.0	1589.0	106.1	2654.3	1.08	27.04
38.0-39.0	1546.7	105.6	2759.9	1.08	28.11
39.0-40.0	1503.4	104.9	2864.8	1.07	29.18
40.0-41.0	1459.3	103.9	2968.7	1.06	30.24
41.0-42.0	1413.6	102.7	3071.4	1.05	31.29
42.0-43.0	1366.9	101.3	3172.7	1.03	32.32
43.0-44.0	1319.8	99.6	3272.3	1.01	33.33
44.0-45.0	1271.7	97.7	3370.1	1.00	34.33
45.0-46.0	1222.8	95.6	3465.7	0.97	35.30
46.0-47.0	1173.6	93.4	3559.0	0.95	36.25
47.0-48.0	1124.5	90.9	3650.0	0.93	37.18
48.0-49.0	1075.2	88.3	3738.3	0.90	38.08
49.0-50.0	1025.8	85.5	3823.8	0.87	38.95
50.0-51.0	976.6	82.6	3906.4	0.84	39.79
51.0-52.0	928.3	79.7	3986.1	0.81	40.60
52.0-53.0	880.1	76.6	4062.7	0.78	41.38
53.0-54.0	832.0	73.3	4136.0	0.75	42.13
54.0-55.0	783.7	70.0	4206.0	0.71	42.84
55.0-56.0	735.3	66.5	4272.4	0.68	43.52
56.0-57.0	686.7	62.8	4335.2	0.64	44.16
57.0-58.0	637.8	59.0	4394.2	0.60	44.76
58.0-59.0	588.8	55.1	4449.3	0.56	45.32
59.0-60.0	539.9	51.0	4500.3	0.52	45.84
60.0-61.0	491.6	46.9	4547.2	0.48	46.32
61.0-62.0	444.5	42.8	4590.1	0.44	46.75
62.0-63.0	399.0	38.8	4628.9	0.40	47.15
63.0-64.0	355.1	34.8	4663.7	0.35	47.50
64.0-65.0	312.9	31.0	4694.7	0.32	47.82
65.0-66.0	273.1	27.2	4721.9	0.28	48.10
66.0-67.0	235.7	23.7	4745.6	0.24	48.34
67.0-68.0	200.8	20.3	4766.0	0.21	48.55
68.0-69.0	168.4	17.2	4783.2	0.18	48.72
69.0-70.0	138.9	14.3	4797.4	0.15	48.87
70.0-71.0	112.7	11.6	4809.1	0.12	48.99
71.0-72.0	89.7	9.3	4818.4	0.09	49.08

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 65  
 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	69.8	7.3	4825.7	0.07	49.15
73.0-74.0	53.0	5.6	4831.3	0.06	49.21
74.0-75.0	39.0	4.1	4835.4	0.04	49.25
75.0-76.0	27.9	3.0	4838.4	0.03	49.28
76.0-77.0	19.7	2.1	4840.5	0.02	49.30
77.0-78.0	13.9	1.5	4841.9	0.02	49.32
78.0-79.0	10.0	1.1	4843.0	0.01	49.33
79.0-80.0	7.6	0.8	4843.8	0.01	49.34
80.0-81.0	6.0	0.7	4844.5	0.01	49.35
81.0-82.0	5.0	0.5	4845.0	0.01	49.35
82.0-83.0	4.2	0.5	4845.5	0.00	49.36
83.0-84.0	3.5	0.4	4845.9	0.00	49.36
84.0-85.0	2.9	0.3	4846.2	0.00	49.36
85.0-86.0	2.5	0.3	4846.5	0.00	49.37
86.0-87.0	2.2	0.2	4846.7	0.00	49.37
87.0-88.0	2.1	0.2	4846.9	0.00	49.37
88.0-89.0	2.0	0.2	4847.1	0.00	49.37
89.0-90.0	2.0	0.2	4847.4	0.00	49.38
90.0-91.0	2.0	0.2	4847.6	0.00	49.38
91.0-92.0	2.2	0.2	4847.8	0.00	49.38
92.0-93.0	2.3	0.3	4848.1	0.00	49.38
93.0-94.0	2.5	0.3	4848.3	0.00	49.39
94.0-95.0	2.7	0.3	4848.6	0.00	49.39
95.0-96.0	2.8	0.3	4848.9	0.00	49.39
96.0-97.0	3.0	0.3	4849.3	0.00	49.39
97.0-98.0	3.2	0.4	4849.6	0.00	49.40
98.0-99.0	3.5	0.4	4850.0	0.00	49.40
99.0-100.0	3.7	0.4	4850.4	0.00	49.41
100.0-101.0	3.9	0.4	4850.8	0.00	49.41
101.0-102.0	4.1	0.4	4851.3	0.00	49.41
102.0-103.0	4.4	0.5	4851.7	0.00	49.42
103.0-104.0	4.6	0.5	4852.2	0.01	49.42
104.0-105.0	4.8	0.5	4852.7	0.01	49.43
105.0-106.0	5.1	0.5	4853.3	0.01	49.44
106.0-107.0	5.4	0.6	4853.8	0.01	49.44
107.0-108.0	5.6	0.6	4854.4	0.01	49.45

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 65  
 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	5.9	0.6	4855.0	0.01	49.45
109.0-110.0	6.1	0.6	4855.7	0.01	49.46
110.0-111.0	6.4	0.7	4856.3	0.01	49.47
111.0-112.0	6.7	0.7	4857.0	0.01	49.47
112.0-113.0	6.9	0.7	4857.7	0.01	49.48
113.0-114.0	7.2	0.7	4858.4	0.01	49.49
114.0-115.0	7.5	0.7	4859.2	0.01	49.50
115.0-116.0	7.7	0.8	4859.9	0.01	49.50
116.0-117.0	8.0	0.8	4860.7	0.01	49.51
117.0-118.0	8.3	0.8	4861.5	0.01	49.52
118.0-119.0	8.5	0.8	4862.3	0.01	49.53
119.0-120.0	8.8	0.8	4863.2	0.01	49.54
120.0-121.0	9.1	0.9	4864.0	0.01	49.55
121.0-122.0	9.3	0.9	4864.9	0.01	49.55
122.0-123.0	9.6	0.9	4865.8	0.01	49.56
123.0-124.0	9.9	0.9	4866.7	0.01	49.57
124.0-125.0	10.1	0.9	4867.6	0.01	49.58
125.0-126.0	10.4	0.9	4868.6	0.01	49.59
126.0-127.0	10.7	0.9	4869.5	0.01	49.60
127.0-128.0	10.9	1.0	4870.5	0.01	49.61
128.0-129.0	11.2	1.0	4871.4	0.01	49.62
129.0-130.0	11.5	1.0	4872.4	0.01	49.63
130.0-131.0	11.7	1.0	4873.4	0.01	49.64
131.0-132.0	12.0	1.0	4874.4	0.01	49.65
132.0-133.0	12.3	1.0	4875.3	0.01	49.66
133.0-134.0	12.5	1.0	4876.3	0.01	49.67
134.0-135.0	12.8	1.0	4877.3	0.01	49.68
135.0-136.0	13.1	1.0	4878.3	0.01	49.69
136.0-137.0	13.3	1.0	4879.4	0.01	49.70
137.0-138.0	13.6	1.0	4880.4	0.01	49.71
138.0-139.0	13.9	1.0	4881.4	0.01	49.72
139.0-140.0	14.1	1.0	4882.4	0.01	49.73
140.0-141.0	14.4	1.0	4883.4	0.01	49.74
141.0-142.0	14.7	1.0	4884.4	0.01	49.75
142.0-143.0	15.0	1.0	4885.4	0.01	49.76
143.0-144.0	15.2	1.0	4886.4	0.01	49.77

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 65  
 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	15.5	1.0	4887.4	0.01	49.78
145.0-146.0	15.8	1.0	4888.3	0.01	49.79
146.0-147.0	16.1	1.0	4889.3	0.01	49.80
147.0-148.0	16.3	1.0	4890.3	0.01	49.81
148.0-149.0	16.6	1.0	4891.2	0.01	49.82
149.0-150.0	16.9	0.9	4892.2	0.01	49.83
150.0-151.0	17.2	0.9	4893.1	0.01	49.84
151.0-152.0	17.4	0.9	4894.0	0.01	49.85
152.0-153.0	17.7	0.9	4894.9	0.01	49.86
153.0-154.0	18.0	0.9	4895.8	0.01	49.87
154.0-155.0	18.3	0.9	4896.6	0.01	49.88
155.0-156.0	18.5	0.8	4897.5	0.01	49.89
156.0-157.0	18.8	0.8	4898.3	0.01	49.89
157.0-158.0	19.1	0.8	4899.1	0.01	49.90
158.0-159.0	19.3	0.8	4899.9	0.01	49.91
159.0-160.0	19.6	0.8	4900.6	0.01	49.92
160.0-161.0	19.8	0.7	4901.4	0.01	49.93
161.0-162.0	20.1	0.7	4902.1	0.01	49.93
162.0-163.0	20.3	0.7	4902.7	0.01	49.94
163.0-164.0	20.6	0.6	4903.4	0.01	49.95
164.0-165.0	20.8	0.6	4904.0	0.01	49.95
165.0-166.0	21.0	0.6	4904.6	0.01	49.96
166.0-167.0	21.2	0.5	4905.1	0.01	49.96
167.0-168.0	21.5	0.5	4905.6	0.01	49.97
168.0-169.0	21.7	0.5	4906.1	0.00	49.97
169.0-170.0	21.9	0.4	4906.5	0.00	49.98
170.0-171.0	22.0	0.4	4906.9	0.00	49.98
171.0-172.0	22.2	0.4	4907.3	0.00	49.99
172.0-173.0	22.4	0.3	4907.6	0.00	49.99
173.0-174.0	22.6	0.3	4907.9	0.00	49.99
174.0-175.0	22.7	0.2	4908.1	0.00	49.99
175.0-176.0	22.9	0.2	4908.3	0.00	50.00
176.0-177.0	23.0	0.2	4908.5	0.00	50.00
177.0-178.0	23.1	0.1	4908.6	0.00	50.00
178.0-179.0	23.2	0.1	4908.6	0.00	50.00
179.0-180.0	23.2	0.0	4908.7	0.00	50.00

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 65  
 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	2395.6	2387.8	2383.4	2382.5	2381.4	2377.4	2395.6	2387.8	2383.4	2382.5
G1.0	2394.4	2388.9	2386.9	2387.0	2385.9	2379.8	2395.3	2385.8	2380.5	2378.5
G2.0	2391.6	2389.1	2389.6	2391.3	2389.6	2381.1	2393.0	2383.0	2377.3	2374.6
G3.0	2387.4	2387.8	2392.3	2395.2	2392.7	2381.6	2389.6	2378.8	2373.5	2371.6
G4.0	2381.8	2385.3	2393.5	2398.5	2394.9	2380.3	2384.1	2373.2	2370.4	2368.9
G5.0	2374.4	2382.0	2394.1	2401.1	2395.7	2377.6	2377.3	2366.7	2367.0	2367.4
G6.0	2365.8	2377.3	2393.7	2402.2	2395.6	2373.5	2369.0	2359.0	2363.4	2364.8
G7.0	2355.4	2371.1	2391.9	2402.7	2394.3	2368.2	2359.0	2350.9	2359.3	2361.8
G8.0	2343.9	2364.0	2389.2	2402.6	2392.2	2361.6	2346.8	2340.7	2353.4	2358.0
G9.0	2331.1	2355.5	2385.6	2401.3	2388.6	2353.2	2333.9	2330.0	2347.1	2352.7
G10.0	2318.2	2345.9	2381.1	2398.4	2384.1	2343.6	2319.7	2318.4	2339.2	2345.9
G11.0	2303.4	2335.5	2375.2	2393.7	2378.0	2332.5	2304.0	2305.7	2330.1	2337.6
G12.0	2287.7	2324.0	2368.3	2387.8	2370.3	2321.0	2285.6	2291.4	2319.1	2327.3
G13.0	2270.4	2311.4	2359.1	2379.9	2361.0	2307.2	2266.8	2275.6	2306.9	2315.5
G14.0	2253.4	2298.0	2348.6	2369.4	2349.8	2292.6	2247.1	2259.5	2292.4	2302.0
G15.0	2234.8	2282.7	2336.4	2356.4	2336.2	2276.8	2225.4	2241.3	2276.7	2286.1
G16.0	2215.7	2268.0	2323.0	2342.6	2322.0	2259.8	2202.4	2222.3	2258.7	2268.7
G17.0	2195.2	2252.3	2307.1	2326.2	2304.6	2241.8	2179.0	2201.7	2239.5	2249.6
G18.0	2174.3	2236.0	2289.7	2308.5	2285.9	2222.2	2153.2	2180.1	2218.8	2228.5
G19.0	2152.9	2218.0	2270.8	2288.9	2265.7	2201.3	2128.8	2157.7	2195.9	2206.1
G20.0	2130.6	2199.4	2250.5	2268.0	2243.9	2180.0	2100.7	2132.5	2171.4	2181.0
G21.0	2106.8	2179.4	2229.4	2245.4	2220.6	2155.8	2073.4	2107.9	2146.4	2156.4
G22.0	2082.4	2158.5	2205.4	2221.4	2195.5	2132.6	2044.9	2082.6	2119.5	2128.1
G23.0	2057.2	2137.6	2181.3	2195.8	2170.2	2106.9	2016.1	2055.1	2090.9	2098.8
G24.0	2031.9	2114.8	2155.5	2166.6	2141.4	2081.7	1986.4	2026.8	2060.4	2062.5
G25.0	2006.1	2091.6	2129.2	2136.5	2113.7	2054.1	1957.0	1998.8	2028.0	2023.9
G26.0	1978.6	2066.8	2101.3	2102.3	2083.4	2026.7	1926.3	1969.0	1994.3	1983.3
G27.0	1950.7	2042.0	2071.9	2067.9	2051.2	1997.0	1893.5	1938.6	1957.1	1940.1
G28.0	1921.5	2015.8	2040.2	2030.8	2014.9	1968.1	1862.6	1907.0	1915.7	1893.5
G29.0	1893.1	1989.2	2006.0	1994.3	1979.0	1937.2	1829.5	1876.3	1872.8	1847.1
G30.0	1861.4	1959.9	1970.5	1955.6	1940.4	1906.3	1799.2	1844.9	1829.6	1799.4
G31.0	1831.4	1931.3	1934.1	1915.5	1901.7	1876.4	1765.0	1811.6	1783.2	1751.5
G32.0	1798.9	1900.9	1896.6	1873.8	1861.8	1843.0	1731.6	1778.4	1735.5	1704.7
G33.0	1768.2	1870.7	1858.4	1831.5	1822.4	1811.2	1698.6	1744.2	1686.2	1654.5
G34.0	1734.3	1837.9	1818.1	1786.6	1779.0	1777.5	1664.1	1710.4	1639.8	1607.1
G35.0	1701.2	1806.9	1778.1	1742.6	1736.6	1744.4	1628.3	1675.1	1589.9	1557.9
G36.0	1666.9	1772.7	1735.7	1696.1	1692.2	1709.3	1593.7	1639.6	1542.1	1509.1

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 65  
 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	1632.0	1739.0	1694.0	1648.4	1647.1	1675.1	1558.0	1601.8	1491.9	1456.6
G38.0	1597.6	1704.3	1649.1	1599.4	1601.1	1639.7	1522.7	1565.0	1444.7	1404.9
G39.0	1561.9	1669.3	1605.6	1548.7	1554.1	1604.2	1485.1	1526.8	1392.7	1349.4
G40.0	1525.8	1632.0	1560.7	1497.8	1506.1	1567.4	1447.9	1488.2	1344.1	1294.4
G41.0	1490.4	1596.1	1514.1	1444.0	1459.6	1529.2	1410.9	1445.8	1289.5	1236.6
G42.0	1453.1	1557.5	1465.0	1386.8	1406.9	1489.9	1373.9	1404.9	1235.7	1176.7
G43.0	1417.3	1519.7	1416.8	1330.2	1355.4	1450.0	1336.7	1362.0	1181.3	1117.8
G44.0	1379.5	1478.9	1364.4	1270.6	1303.0	1409.1	1298.3	1319.0	1126.2	1061.0
G45.0	1342.9	1439.8	1314.9	1212.4	1249.2	1368.7	1259.0	1272.8	1067.8	1004.0
G46.0	1305.8	1398.1	1258.3	1150.4	1192.5	1326.9	1220.1	1225.5	1011.6	949.8
G47.0	1268.3	1355.9	1204.8	1092.9	1135.9	1285.4	1181.1	1179.7	953.9	894.3
G48.0	1231.0	1314.1	1147.4	1034.6	1077.3	1242.3	1142.2	1134.2	898.8	841.6
G49.0	1195.2	1272.3	1089.6	977.4	1018.8	1199.6	1103.9	1086.7	843.6	789.5
G50.0	1156.8	1226.7	1029.9	920.8	962.4	1153.3	1063.9	1036.8	792.2	738.1
G51.0	1119.1	1183.7	972.4	868.1	904.7	1110.3	1025.4	989.0	740.3	685.7
G52.0	1081.8	1137.9	917.3	815.4	851.0	1063.4	986.8	940.9	689.0	636.1
G53.0	1044.8	1095.6	863.0	764.7	798.2	1018.7	946.6	889.5	638.6	585.0
G54.0	1004.7	1047.8	809.9	712.2	745.0	971.1	908.0	839.6	590.5	536.4
G55.0	966.1	1002.7	756.6	665.1	694.5	922.5	868.5	787.3	539.5	485.1
G56.0	926.3	953.1	705.6	613.5	644.4	873.8	829.0	735.2	491.1	432.4
G57.0	887.3	904.7	655.5	565.7	595.2	823.1	789.4	679.2	441.0	382.3
G58.0	846.4	853.9	603.7	515.2	544.4	771.9	750.5	626.7	393.4	331.5
G59.0	807.0	802.9	553.7	464.4	495.4	720.1	708.6	573.4	345.2	282.4
G60.0	766.3	748.5	504.3	411.3	446.5	664.8	668.7	521.8	298.9	237.4
G61.0	726.5	695.2	456.2	357.4	397.8	611.6	627.4	471.2	255.1	195.9
G62.0	685.3	641.9	407.6	306.5	350.0	557.4	586.5	423.8	213.6	161.7
G63.0	644.9	587.0	361.5	261.2	301.6	505.4	544.1	375.3	175.9	129.9
G64.0	603.4	531.8	314.6	218.8	255.8	455.0	501.1	330.7	142.8	100.8
G65.0	563.7	478.2	268.2	178.3	215.4	405.8	458.2	286.4	111.6	73.7
G66.0	522.1	426.6	226.5	141.7	176.9	358.6	416.0	246.1	84.9	49.3
G67.0	480.3	378.5	187.1	108.2	141.3	312.7	370.3	209.0	61.0	29.9
G68.0	438.3	332.0	151.8	78.8	109.5	268.6	327.8	173.7	40.2	17.0
G69.0	395.4	287.0	118.7	52.5	79.7	229.4	282.0	140.3	23.8	7.6
G70.0	353.7	247.6	89.7	32.1	54.4	192.0	237.4	110.2	13.3	2.7
G71.0	307.7	208.9	64.8	18.3	34.0	157.2	194.4	83.7	6.6	2.0
G72.0	265.5	174.0	43.2	8.1	19.7	125.2	153.9	59.7	3.7	1.8
G73.0	221.7	140.9	25.6	4.3	10.4	96.7	118.1	40.3	2.8	1.5

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 65  
 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	180.0	111.4	14.6	2.3	5.3	70.7	85.8	25.3	2.3	1.3
G75.0	138.4	84.2	7.4	1.8	3.4	48.9	58.5	17.0	1.8	1.2
G76.0	103.7	60.3	4.3	1.6	2.5	32.1	39.6	12.6	1.5	1.1
G77.0	74.8	39.5	2.9	1.3	2.0	20.9	27.7	9.9	1.4	1.0
G78.0	52.3	25.4	2.2	1.2	1.6	15.2	20.5	8.0	1.3	1.0
G79.0	35.5	17.1	1.8	1.0	1.4	12.0	16.8	6.4	1.2	0.9
G80.0	25.2	13.4	1.5	1.0	1.3	9.9	14.3	5.0	1.2	0.9
G81.0	19.8	11.1	1.5	0.9	1.2	8.0	11.9	3.8	1.1	0.9
G82.0	17.1	9.2	1.3	0.9	1.1	6.3	9.7	2.9	1.1	0.9
G83.0	14.9	7.3	1.3	0.9	1.1	4.7	7.5	2.3	1.1	0.9
G84.0	12.9	5.7	1.2	0.9	1.1	3.6	5.3	2.0	1.1	0.9
G85.0	10.9	4.3	1.2	0.9	1.1	2.9	3.5	1.9	1.1	0.9
G86.0	9.1	3.3	1.2	0.9	1.1	2.5	2.4	1.9	1.1	1.0
G87.0	7.4	2.7	1.3	0.9	1.1	2.3	2.4	2.0	1.2	1.0
G88.0	5.8	2.5	1.3	1.0	1.2	2.2	2.4	2.1	1.3	1.0
G89.0	4.4	2.5	1.3	1.0	1.2	2.2	2.6	2.3	1.4	1.1
G90.0	3.5	2.5	1.4	1.1	1.3	2.3	2.8	2.5	1.5	1.2
G91.0	3.4	2.5	1.5	1.1	1.5	2.5	2.9	2.7	1.7	1.3
G92.0	3.4	2.6	1.5	1.2	1.5	2.7	3.2	2.8	1.9	1.5
G93.0	3.7	2.8	1.7	1.3	1.7	2.9	3.4	3.0	2.0	1.5
G94.0	3.8	3.0	1.8	1.5	1.9	3.0	3.6	3.3	2.2	1.7
G95.0	4.0	3.2	2.0	1.6	2.0	3.3	3.8	3.4	2.4	1.9
G96.0	4.3	3.4	2.1	1.7	2.3	3.5	4.0	3.6	2.6	2.0
G97.0	4.5	3.6	2.3	1.9	2.4	3.7	4.2	3.9	2.8	2.2
G98.0	4.7	3.8	2.5	2.1	2.6	3.9	4.4	4.1	3.0	2.4
G99.0	5.0	4.1	2.7	2.3	2.8	4.1	4.7	4.3	3.2	2.6
G100.0	5.2	4.3	2.9	2.4	3.0	4.4	4.9	4.6	3.4	2.8
G101.0	5.5	4.6	3.1	2.6	3.3	4.6	5.1	4.8	3.6	3.0
G102.0	5.7	4.8	3.3	2.8	3.5	4.9	5.3	5.0	3.9	3.2
G103.0	5.9	5.0	3.6	3.0	3.7	5.1	5.6	5.3	4.2	3.5
G104.0	6.2	5.3	3.8	3.2	4.0	5.4	5.8	5.6	4.4	3.7
G105.0	6.5	5.5	4.1	3.5	4.2	5.6	6.1	5.8	4.7	4.0
G106.0	6.7	5.8	4.3	3.7	4.4	5.9	6.3	6.1	4.9	4.2
G107.0	7.0	6.1	4.6	3.9	4.7	6.2	6.5	6.3	5.2	4.4
G108.0	7.2	6.3	4.8	4.2	5.0	6.4	6.8	6.5	5.5	4.7
G109.0	7.5	6.6	5.1	4.4	5.3	6.6	7.1	6.7	5.7	5.0
G110.0	7.8	6.8	5.3	4.7	5.5	6.9	7.3	7.0	5.9	5.3

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 65  
 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	8.0	7.1	5.6	5.0	5.8	7.2	7.6	7.3	6.3	5.6
G112.0	8.3	7.4	5.9	5.3	6.1	7.4	7.8	7.5	6.5	5.8
G113.0	8.6	7.7	6.2	5.6	6.4	7.7	8.1	7.8	6.7	6.1
G114.0	8.8	7.9	6.5	5.9	6.6	8.0	8.3	8.0	7.1	6.4
G115.0	9.1	8.1	6.8	6.2	7.0	8.2	8.6	8.2	7.3	6.7
G116.0	9.4	8.4	7.1	6.5	7.2	8.5	8.8	8.5	7.6	7.0
G117.0	9.6	8.6	7.3	6.7	7.6	8.8	9.1	8.7	7.9	7.3
G118.0	9.9	8.9	7.7	7.1	7.8	9.0	9.4	9.0	8.1	7.6
G119.0	10.2	9.1	7.9	7.4	8.1	9.3	9.6	9.2	8.4	7.8
G120.0	10.5	9.4	8.2	7.7	8.4	9.5	9.9	9.5	8.7	8.1
G121.0	10.7	9.7	8.5	8.0	8.7	9.8	10.1	9.7	8.9	8.4
G122.0	11.0	9.9	8.8	8.3	8.9	10.1	10.4	10.0	9.2	8.7
G123.0	11.3	10.2	9.1	8.6	9.2	10.3	10.6	10.2	9.5	9.0
G124.0	11.6	10.4	9.3	8.9	9.5	10.6	10.9	10.5	9.7	9.3
G125.0	11.8	10.6	9.6	9.2	9.8	10.9	11.1	10.7	10.0	9.6
G126.0	12.0	10.9	9.9	9.5	10.1	11.1	11.4	11.0	10.3	9.9
G127.0	12.3	11.1	10.2	9.9	10.4	11.4	11.7	11.2	10.6	10.2
G128.0	12.6	11.4	10.4	10.1	10.6	11.6	11.9	11.5	10.8	10.4
G129.0	12.9	11.6	10.8	10.4	10.9	11.8	12.1	11.7	11.1	10.7
G130.0	13.1	11.8	11.0	10.8	11.2	12.1	12.4	12.0	11.4	11.0
G131.0	13.4	12.1	11.3	11.0	11.5	12.4	12.7	12.3	11.6	11.3
G132.0	13.6	12.3	11.6	11.4	11.8	12.6	12.9	12.5	11.9	11.6
G133.0	13.9	12.6	11.8	11.6	12.0	12.9	13.2	12.8	12.1	11.8
G134.0	14.2	12.9	12.0	11.9	12.3	13.2	13.5	13.1	12.4	12.1
G135.0	14.4	13.1	12.3	12.2	12.6	13.4	13.8	13.3	12.6	12.4
G136.0	14.8	13.3	12.6	12.5	12.9	13.6	14.0	13.6	12.9	12.6
G137.0	15.0	13.6	12.9	12.8	13.1	13.9	14.4	13.9	13.2	12.9
G138.0	15.3	13.9	13.1	13.0	13.4	14.2	14.6	14.2	13.4	13.1
G139.0	15.6	14.1	13.3	13.3	13.6	14.4	14.9	14.4	13.7	13.4
G140.0	15.9	14.4	13.6	13.6	13.9	14.7	15.2	14.7	13.9	13.6
G141.0	16.3	14.6	13.8	13.9	14.2	15.0	15.5	15.0	14.2	13.9
G142.0	16.6	14.9	14.1	14.1	14.4	15.3	15.8	15.3	14.4	14.1
G143.0	16.9	15.1	14.4	14.4	14.7	15.6	16.1	15.6	14.7	14.4
G144.0	17.1	15.5	14.6	14.6	15.0	15.9	16.4	15.9	15.0	14.7
G145.0	17.3	15.7	14.9	14.9	15.3	16.1	16.6	16.2	15.3	14.9
G146.0	17.6	16.0	15.1	15.1	15.5	16.4	16.9	16.5	15.5	15.2
G147.0	17.8	16.2	15.4	15.4	15.8	16.7	17.2	16.9	15.9	15.5

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 65  
 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	18.1	16.5	15.7	15.7	16.1	17.0	17.5	17.1	16.1	15.7
G149.0	18.4	16.8	16.0	15.9	16.3	17.2	17.8	17.5	16.4	15.9
G150.0	18.7	17.1	16.3	16.2	16.5	17.5	18.0	17.7	16.6	16.2
G151.0	19.1	17.3	16.5	16.4	16.8	17.8	18.3	18.0	17.0	16.5
G152.0	19.4	17.6	16.8	16.6	17.0	18.0	18.5	18.3	17.2	16.7
G153.0	19.6	17.9	17.1	16.9	17.3	18.3	18.8	18.6	17.5	17.0
G154.0	19.9	18.1	17.3	17.2	17.6	18.6	19.1	18.9	17.8	17.4
G155.0	20.2	18.4	17.6	17.4	17.8	18.8	19.3	19.2	18.1	17.6
G156.0	20.3	18.6	17.9	17.7	18.1	19.1	19.6	19.4	18.4	17.9
G157.0	20.5	18.9	18.2	17.9	18.4	19.4	19.9	19.6	18.6	18.3
G158.0	20.6	19.2	18.5	18.2	18.6	19.6	20.2	19.9	19.0	18.5
G159.0	20.8	19.4	18.8	18.5	18.9	19.8	20.5	20.1	19.2	18.8
G160.0	20.9	19.7	19.0	18.7	19.2	20.0	20.7	20.3	19.5	19.1
G161.0	21.1	19.9	19.3	19.0	19.4	20.3	21.0	20.6	19.8	19.4
G162.0	21.3	20.1	19.6	19.3	19.7	20.5	21.3	20.8	20.1	19.6
G163.0	21.5	20.4	19.9	19.5	19.9	20.7	21.4	21.0	20.3	20.0
G164.0	21.8	20.6	20.1	19.8	20.2	20.9	21.5	21.2	20.6	20.3
G165.0	22.0	20.8	20.4	20.0	20.4	21.1	21.7	21.4	20.8	20.6
G166.0	22.3	21.0	20.6	20.3	20.7	21.3	21.8	21.6	21.0	20.9
G167.0	22.5	21.2	20.9	20.6	20.9	21.5	22.0	21.8	21.3	21.1
G168.0	22.7	21.4	21.1	20.8	21.1	21.7	22.2	22.0	21.5	21.4
G169.0	22.9	21.5	21.3	21.1	21.3	21.8	22.4	22.2	21.7	21.6
G170.0	22.9	21.7	21.5	21.3	21.5	22.0	22.6	22.4	21.9	21.8
G171.0	23.0	22.0	21.7	21.6	21.7	22.2	22.8	22.5	22.1	22.1
G172.0	23.1	22.2	21.9	21.8	21.9	22.4	22.9	22.6	22.3	22.3
G173.0	23.1	22.3	22.0	22.0	22.0	22.5	23.1	22.8	22.5	22.6
G174.0	23.1	22.4	22.2	22.3	22.2	22.8	23.2	23.0	22.7	22.9
G175.0	23.2	22.5	22.3	22.4	22.4	22.9	23.3	23.1	22.9	23.1
G176.0	23.2	22.6	22.5	22.7	22.6	23.0	23.3	23.2	23.0	23.3
G177.0	23.3	22.8	22.6	23.0	22.8	23.1	23.4	23.2	23.1	23.5
G178.0	23.3	22.9	22.8	23.2	22.9	23.1	23.5	23.2	23.2	23.6
G179.0	23.4	23.0	22.9	23.3	23.0	23.1	23.5	23.2	23.1	23.7
G180.0	23.5	23.0	23.0	23.5	23.1	23.1	23.5	23.1	23.1	23.5

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 65  
 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	2381.4	2377.4	2395.6							
G1.0	2377.1	2373.7	2394.4							
G2.0	2372.6	2368.9	2391.6							
G3.0	2368.1	2363.3	2387.4							
G4.0	2363.4	2356.6	2381.8							
G5.0	2358.9	2349.0	2374.4							
G6.0	2354.4	2340.7	2365.8							
G7.0	2349.9	2330.6	2355.4							
G8.0	2344.2	2320.4	2343.9							
G9.0	2337.9	2309.5	2331.1							
G10.0	2330.1	2297.4	2318.2							
G11.0	2320.9	2285.2	2303.4							
G12.0	2310.4	2271.4	2287.7							
G13.0	2298.7	2257.8	2270.4							
G14.0	2285.1	2242.6	2253.4							
G15.0	2270.6	2226.8	2234.8							
G16.0	2253.8	2209.8	2215.7							
G17.0	2235.0	2191.5	2195.2							
G18.0	2215.5	2173.4	2174.3							
G19.0	2195.1	2153.5	2152.9							
G20.0	2172.9	2133.7	2130.6							
G21.0	2148.3	2111.7	2106.8							
G22.0	2122.6	2088.9	2082.4							
G23.0	2096.1	2066.3	2057.2							
G24.0	2068.1	2042.8	2031.9							
G25.0	2037.6	2016.3	2006.1							
G26.0	2006.4	1990.9	1978.6							
G27.0	1972.2	1963.7	1950.7							
G28.0	1935.2	1935.6	1921.5							
G29.0	1894.6	1906.6	1893.1							
G30.0	1853.8	1877.0	1861.4							
G31.0	1810.6	1846.7	1831.4							
G32.0	1763.8	1815.9	1798.9							
G33.0	1717.1	1782.4	1768.2							
G34.0	1670.8	1749.2	1734.3							
G35.0	1623.4	1715.6	1701.2							
G36.0	1576.7	1680.4	1666.9							

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 65  
 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	1528.9	1644.4	1632.0							
G38.0	1482.0	1608.7	1597.6							
G39.0	1432.6	1570.8	1561.9							
G40.0	1384.7	1532.2	1525.8							
G41.0	1333.3	1493.1	1490.4							
G42.0	1280.5	1452.0	1453.1							
G43.0	1227.2	1408.3	1417.3							
G44.0	1175.0	1366.6	1379.5							
G45.0	1116.6	1321.3	1342.9							
G46.0	1062.5	1276.3	1305.8							
G47.0	1004.8	1231.5	1268.3							
G48.0	950.1	1184.9	1231.0							
G49.0	894.0	1136.6	1195.2							
G50.0	840.0	1090.1	1156.8							
G51.0	787.1	1042.2	1119.1							
G52.0	737.3	993.5	1081.8							
G53.0	683.8	944.7	1044.8							
G54.0	634.1	895.7	1004.7							
G55.0	582.3	844.2	966.1							
G56.0	536.0	793.1	926.3							
G57.0	484.7	739.7	887.3							
G58.0	437.2	685.5	846.4							
G59.0	389.1	629.3	807.0							
G60.0	343.1	575.2	766.3							
G61.0	296.7	520.4	726.5							
G62.0	254.1	467.8	685.3							
G63.0	213.1	419.1	644.9							
G64.0	174.9	372.6	603.4							
G65.0	140.9	327.5	563.7							
G66.0	112.5	284.6	522.1							
G67.0	85.1	247.1	480.3							
G68.0	61.9	209.9	438.3							
G69.0	40.7	176.3	395.4							
G70.0	24.3	142.9	353.7							
G71.0	13.2	113.6	307.7							
G72.0	6.5	86.4	265.5							
G73.0	2.9	63.0	221.7							

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 65  
 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	2.3	42.7	180.0							
G75.0	1.9	26.9	138.4							
G76.0	1.7	16.5	103.7							
G77.0	1.5	11.4	74.8							
G78.0	1.3	8.7	52.3							
G79.0	1.2	6.8	35.5							
G80.0	1.2	5.1	25.2							
G81.0	1.1	3.7	19.8							
G82.0	1.1	2.8	17.1							
G83.0	1.1	2.3	14.9							
G84.0	1.1	2.0	12.9							
G85.0	1.1	2.0	10.9							
G86.0	1.1	2.0	9.1							
G87.0	1.2	2.1	7.4							
G88.0	1.2	2.1	5.8							
G89.0	1.2	2.1	4.4							
G90.0	1.4	2.3	3.5							
G91.0	1.5	2.5	3.4							
G92.0	1.7	2.6	3.4							
G93.0	1.8	2.8	3.7							
G94.0	2.0	3.0	3.8							
G95.0	2.1	3.2	4.0							
G96.0	2.4	3.4	4.3							
G97.0	2.5	3.6	4.5							
G98.0	2.7	3.8	4.7							
G99.0	2.9	4.1	5.0							
G100.0	3.2	4.3	5.2							
G101.0	3.4	4.6	5.5							
G102.0	3.6	4.8	5.7							
G103.0	3.8	5.0	5.9							
G104.0	4.1	5.3	6.2							
G105.0	4.3	5.5	6.5							
G106.0	4.6	5.8	6.7							
G107.0	4.9	6.1	7.0							
G108.0	5.1	6.3	7.2							
G109.0	5.3	6.5	7.5							
G110.0	5.7	6.7	7.8							

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 65  
 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	5.9	7.0	8.0							
G112.0	6.2	7.3	8.3							
G113.0	6.4	7.5	8.6							
G114.0	6.7	7.8	8.8							
G115.0	7.0	8.0	9.1							
G116.0	7.3	8.2	9.4							
G117.0	7.6	8.5	9.6							
G118.0	7.8	8.7	9.9							
G119.0	8.1	8.9	10.2							
G120.0	8.4	9.2	10.5							
G121.0	8.6	9.4	10.7							
G122.0	8.9	9.6	11.0							
G123.0	9.1	9.9	11.3							
G124.0	9.4	10.1	11.6							
G125.0	9.7	10.3	11.8							
G126.0	10.0	10.6	12.0							
G127.0	10.2	10.8	12.3							
G128.0	10.4	11.1	12.6							
G129.0	10.7	11.3	12.9							
G130.0	10.9	11.5	13.1							
G131.0	11.2	11.8	13.4							
G132.0	11.5	12.0	13.6							
G133.0	11.7	12.3	13.9							
G134.0	11.9	12.5	14.2							
G135.0	12.1	12.8	14.4							
G136.0	12.4	13.1	14.8							
G137.0	12.7	13.4	15.0							
G138.0	12.9	13.6	15.3							
G139.0	13.2	13.9	15.6							
G140.0	13.4	14.1	15.9							
G141.0	13.7	14.4	16.3							
G142.0	14.0	14.7	16.6							
G143.0	14.2	15.0	16.9							
G144.0	14.6	15.3	17.1							
G145.0	14.8	15.6	17.3							
G146.0	15.1	15.9	17.6							
G147.0	15.4	16.2	17.8							

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 65  
 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	15.7	16.5	18.1							
G149.0	16.0	16.8	18.4							
G150.0	16.3	17.1	18.7							
G151.0	16.6	17.5	19.1							
G152.0	17.0	17.7	19.4							
G153.0	17.2	18.0	19.6							
G154.0	17.6	18.3	19.9							
G155.0	17.8	18.6	20.2							
G156.0	18.1	18.8	20.3							
G157.0	18.4	19.1	20.5							
G158.0	18.7	19.3	20.6							
G159.0	19.0	19.6	20.8							
G160.0	19.3	19.8	20.9							
G161.0	19.6	20.1	21.1							
G162.0	19.9	20.3	21.3							
G163.0	20.2	20.6	21.5							
G164.0	20.5	20.8	21.8							
G165.0	20.7	21.0	22.0							
G166.0	20.9	21.2	22.3							
G167.0	21.1	21.4	22.5							
G168.0	21.4	21.6	22.7							
G169.0	21.6	21.8	22.9							
G170.0	21.8	22.0	22.9							
G171.0	22.0	22.1	23.0							
G172.0	22.2	22.3	23.1							
G173.0	22.3	22.4	23.1							
G174.0	22.5	22.6	23.1							
G175.0	22.7	22.7	23.2							
G176.0	22.9	22.9	23.2							
G177.0	23.0	23.0	23.3							
G178.0	23.1	23.1	23.3							
G179.0	23.1	23.1	23.4							
G180.0	23.1	23.1	23.5							

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 65  
 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: