

Report No.: 20200613

Test Time: 2020-06-15 11:05

## Luminaire Property

Luminaire Manufacturer:  
Luminaire Category: NB  
Luminaire Description: MX811H LD40WDD-4FT  
Lamp Catalog: 3500K  
Lamp Description: LSE40-I800 120-277W D1R  
Number of Lamps: 336X2  
Luminous Length (mm): 1194  
Luminous Height (mm): 85  
Current: 0.343 A  
Power Factor: 0.997  
Lumens per Lamp: 30-34 32-35LM  
Luminous Width (mm): 100  
Voltage: 119.0 V  
Power: 40.72 W

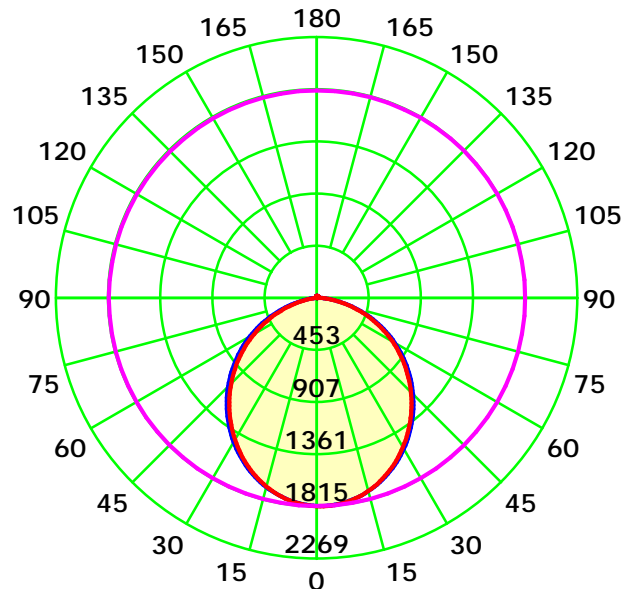
## Photometric Results

CIE Class: Direct  
Measurement Flux: 4840.4 lm  
Downward Ratio: 47.45%  
Field Angle: H157.8 V156.3  
Luminaire Efficacy Rating (LER): 119  
Max. Intensity: 1815.93 cd  
Total Rated Lamp Lumens: 10080.0 lm  
Efficiency: 48.02%  
Upward Ratio: 0.57%  
Beam Angle: H107.6 V105.0  
Central Intensity: 1811.1 cd  
Pos of Max. Intensity: H90 V2

Picture Of Luminaire



Luminous Intensity Distribution Curve



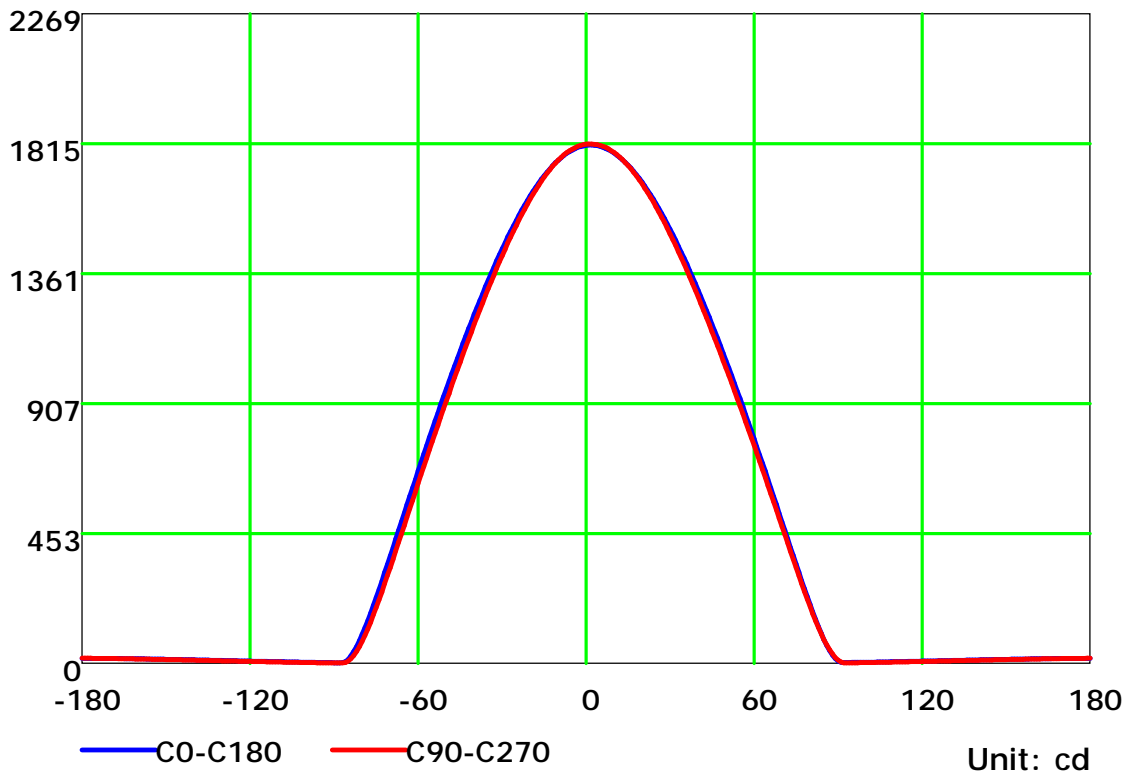
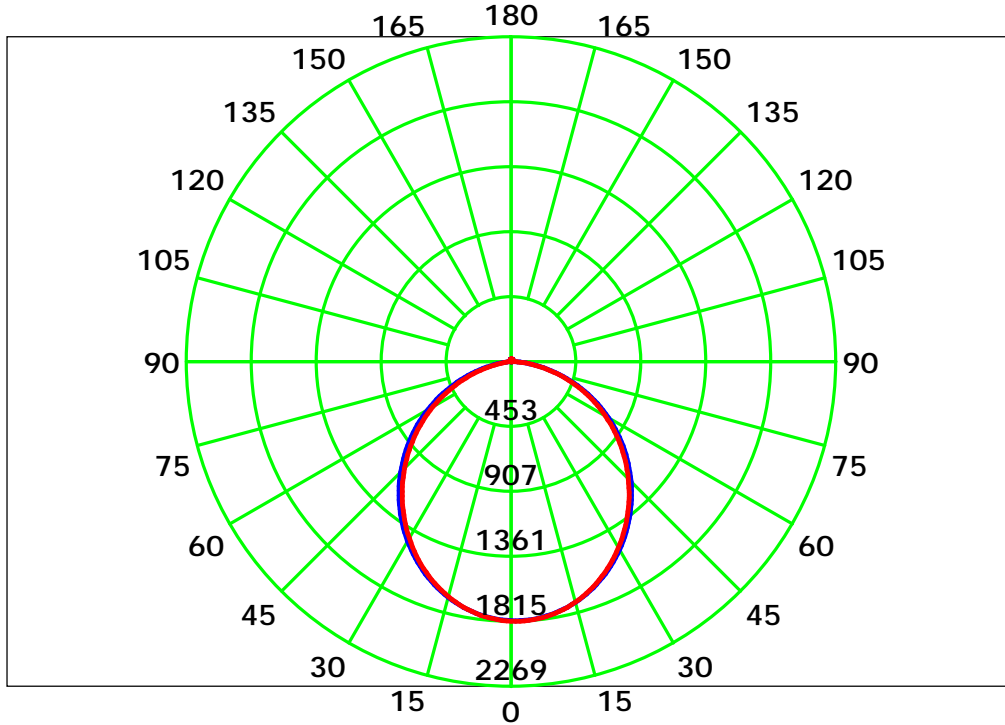
Average Diffuse Angle(50%): 106.3° Unit: cd

— C0-C180 — C90-C270 — G2

C Plane (°):0.0-360.0: 30.0  
Test Lab: 60  
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:

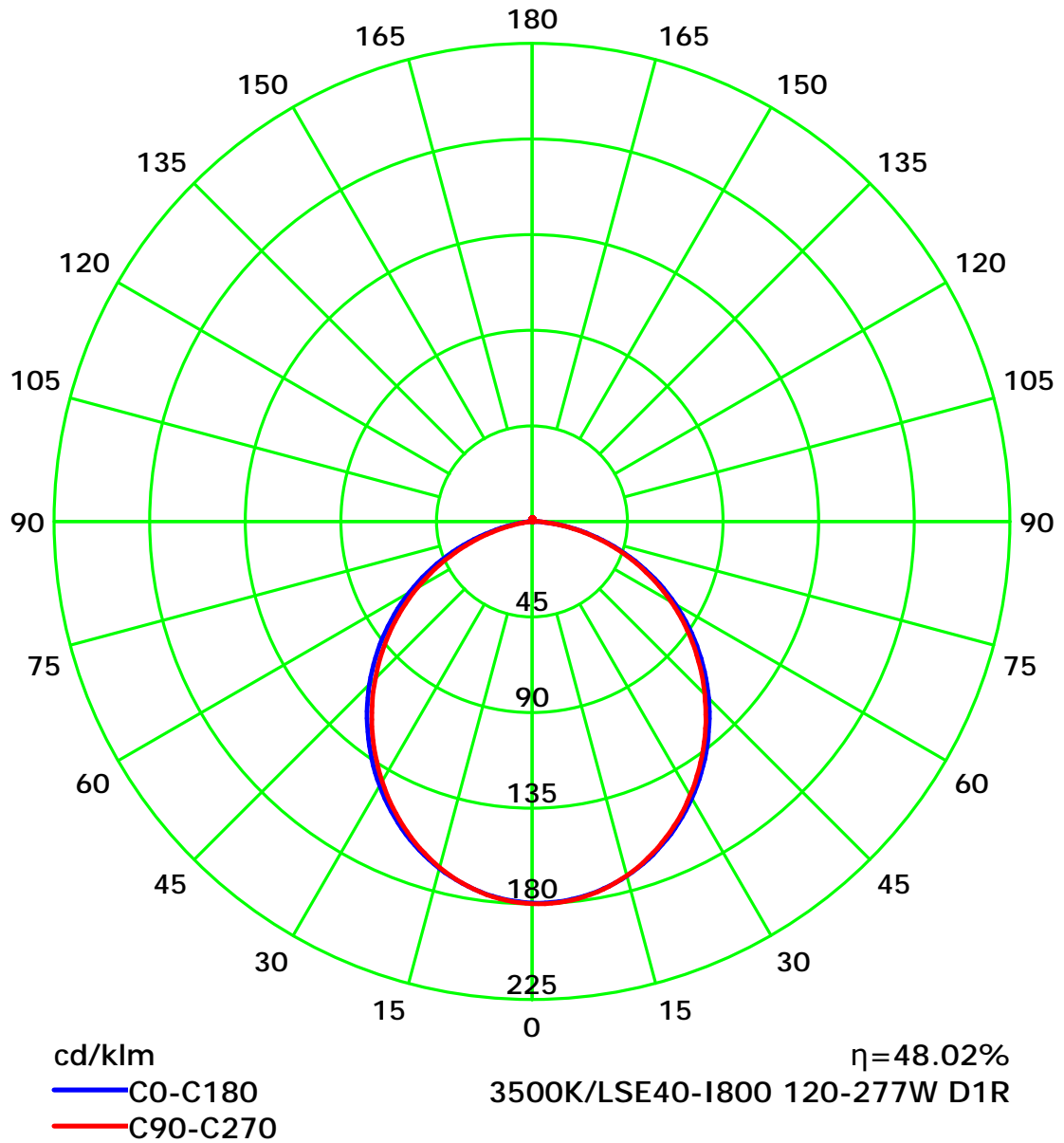
## Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 30.0  
 Test Lab: 60  
 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)



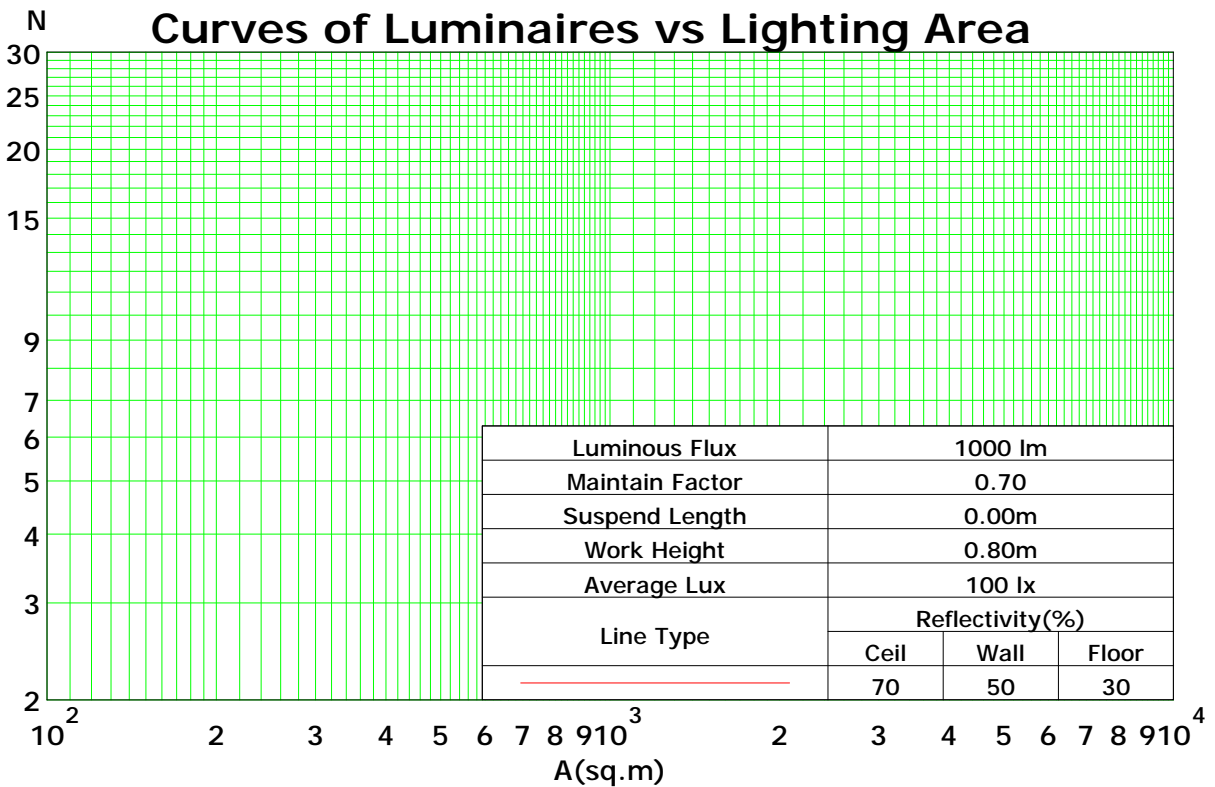
C Plane (°):0.0-360.0: 30.0  
 Test Lab: 60  
 Test Type: TYPE C  
 Temperature: 23  
 Operator: QIU

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	57	57	57	57	56	56	56	56	53	53	53	51	51	51	48	48	48	47
1	52	50	48	46	51	49	47	46	47	45	44	45	44	43	43	42	41	40
2	48	44	41	38	46	43	40	37	41	39	36	39	37	36	38	36	35	34
3	43	39	35	32	42	38	34	31	36	33	31	35	32	30	34	31	30	28
4	40	34	30	27	39	34	30	27	32	29	26	31	28	26	30	27	25	24
5	37	31	26	23	36	30	26	23	29	25	23	28	25	22	27	24	22	21
6	34	28	23	20	33	27	23	20	26	23	20	25	22	20	25	22	20	19
7	31	25	21	18	31	25	21	18	24	20	18	23	20	18	22	20	17	16
8	29	23	19	16	29	23	19	16	22	18	16	21	18	16	21	18	16	15
9	27	21	17	14	27	21	17	14	20	17	14	20	16	14	19	16	14	13
10	26	19	16	13	25	19	16	13	19	15	13	18	15	13	18	15	13	12

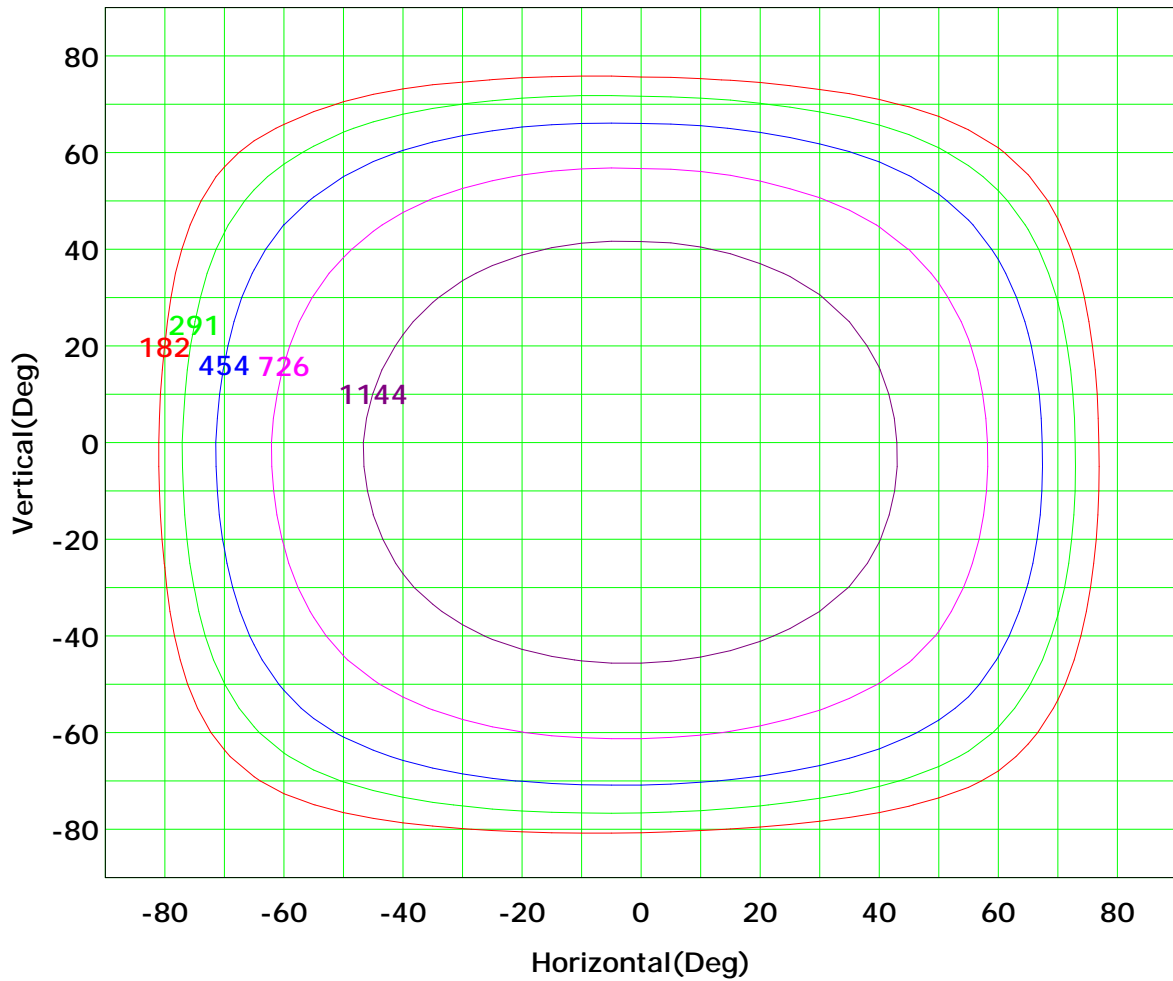
Spacing Criteria (0-180): 1.22  
 Spacing Criteria (90-270): 1.20  
 Spacing Criteria (Diagonal): 1.33



C Plane (°):0.0-360.0: 30.0  
 Test Lab: 60  
 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)



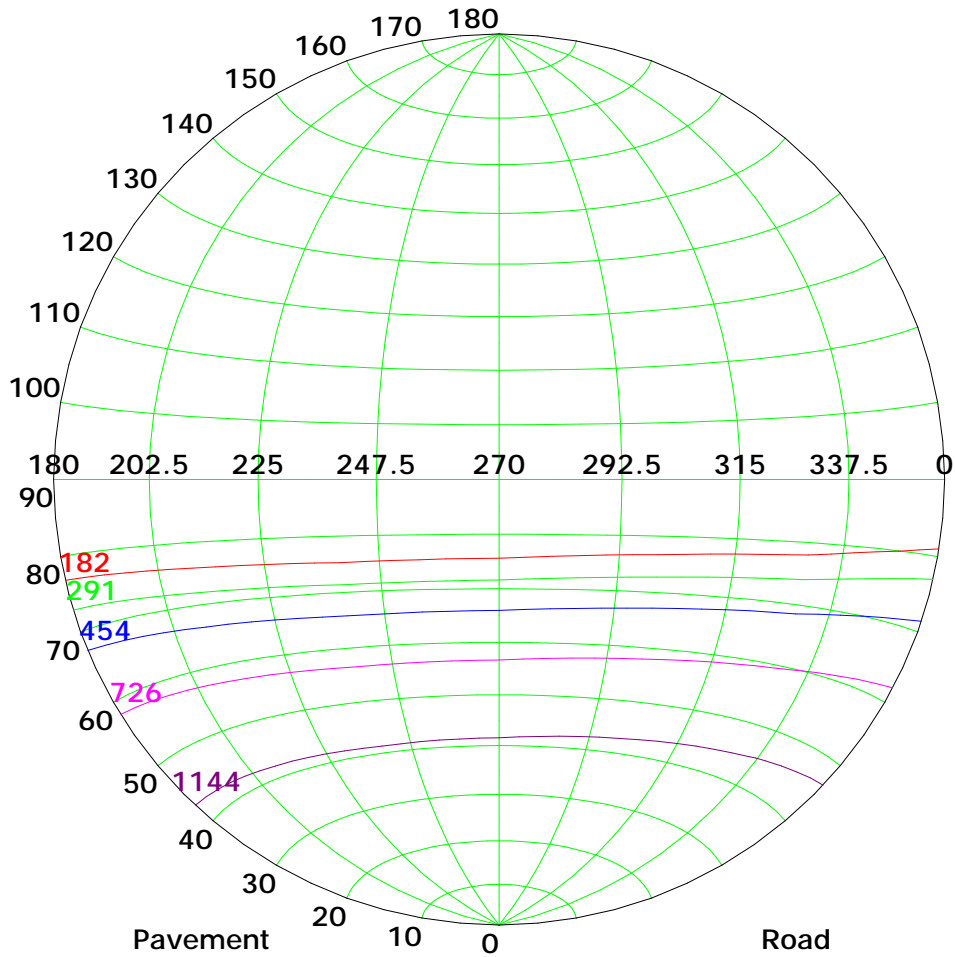
Imax (100%): 1816 cd

— ( 10%): 182 cd	— ( 16%): 291 cd
— ( 25%): 454 cd	— ( 40%): 726 cd
— ( 63%): 1144 cd	— (100%): 1816 cd

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 60  
 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)



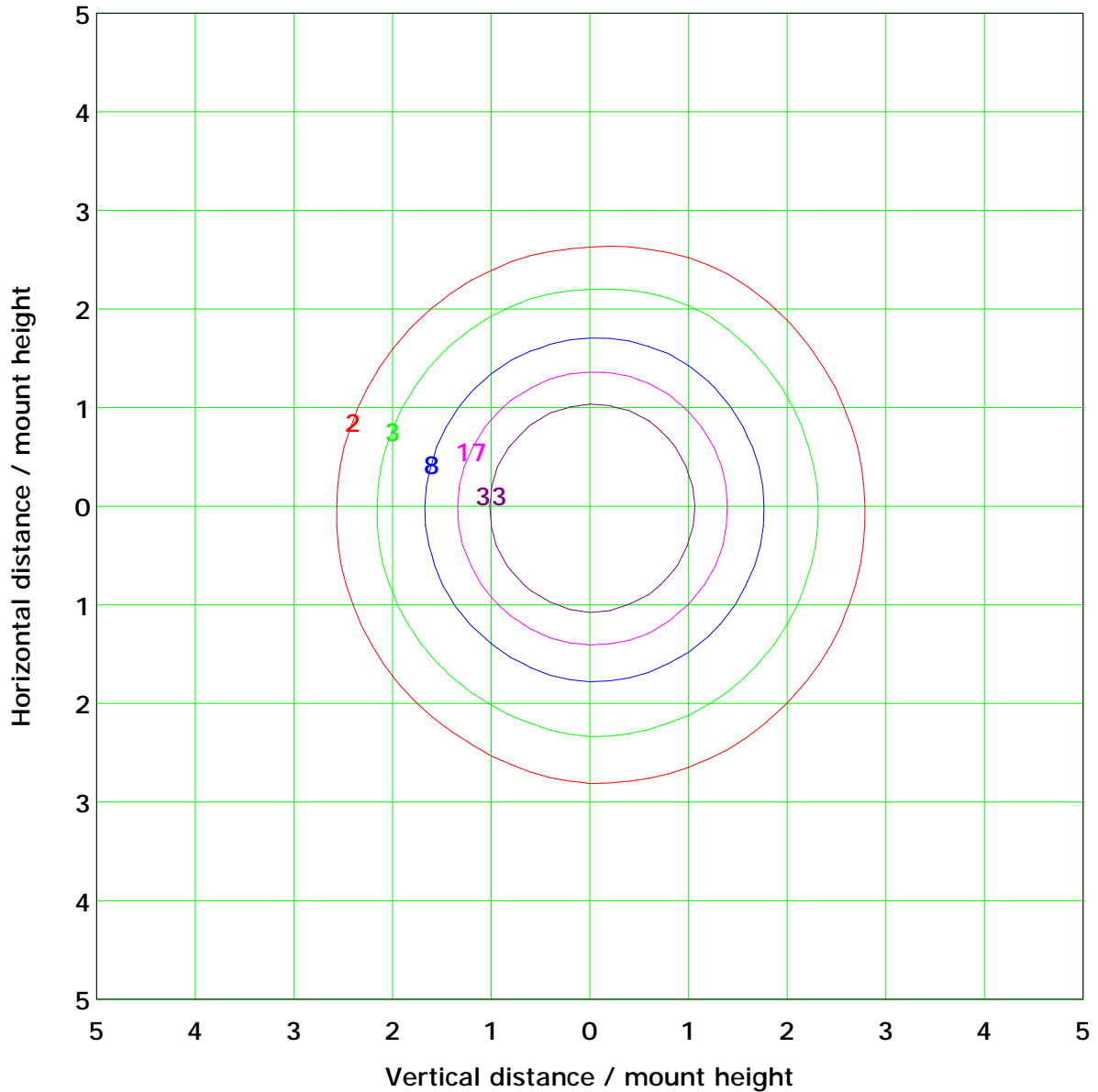
**Imax (100%): 1816 cd**

— ( 10%): 182 cd	— ( 16%): 291 cd
— ( 25%): 454 cd	— ( 40%): 726 cd
— ( 63%): 1144 cd	— (100%): 1816 cd

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 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



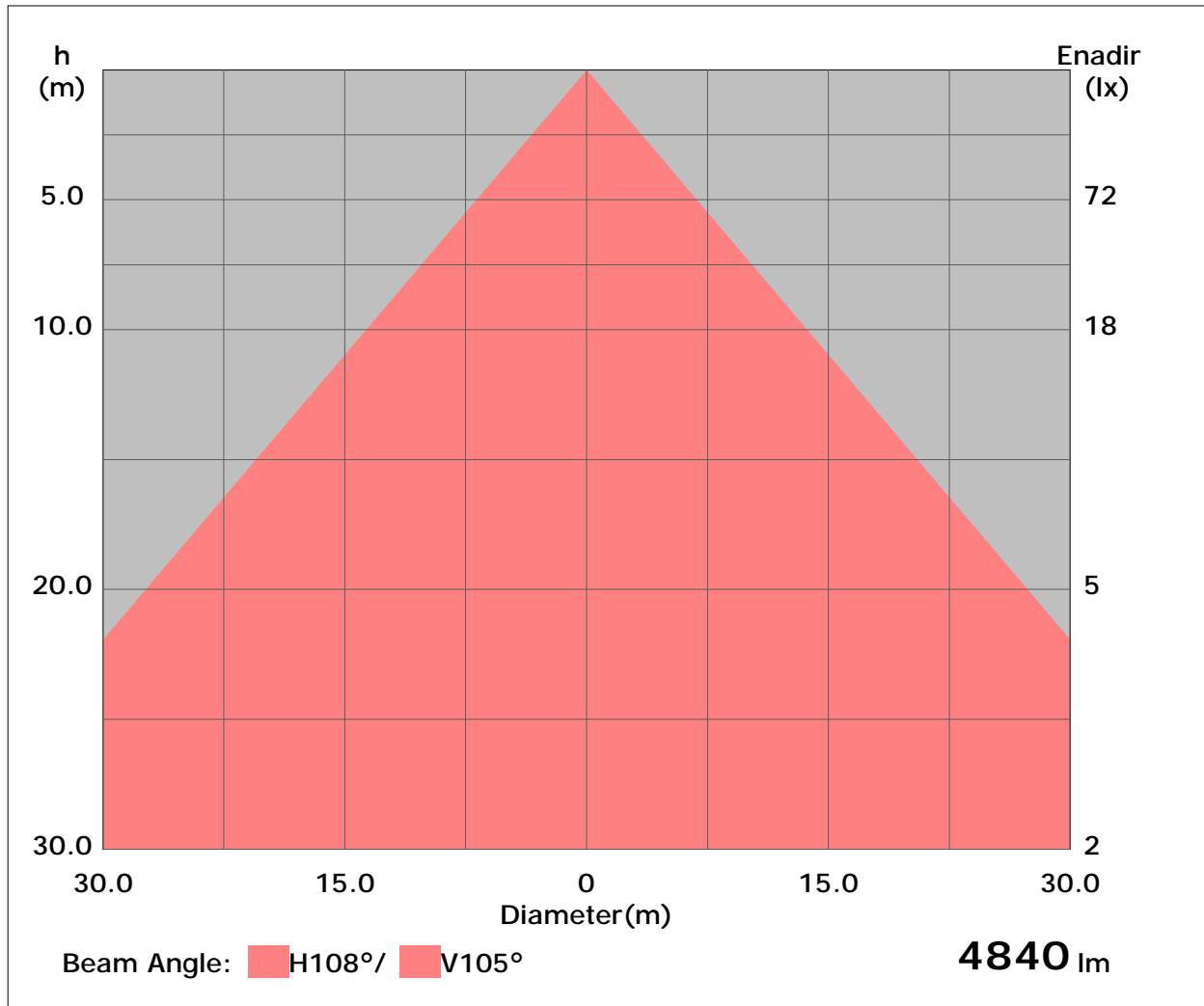
Mounting Height: 3.3m    Max Lux(100%): 166.7 lx

— ( 1%): 1.7 lx	— ( 2%): 3.3 lx
— ( 5%): 8.3 lx	— ( 10%): 16.7 lx
— ( 20%): 33.3 lx	

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 60  
 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

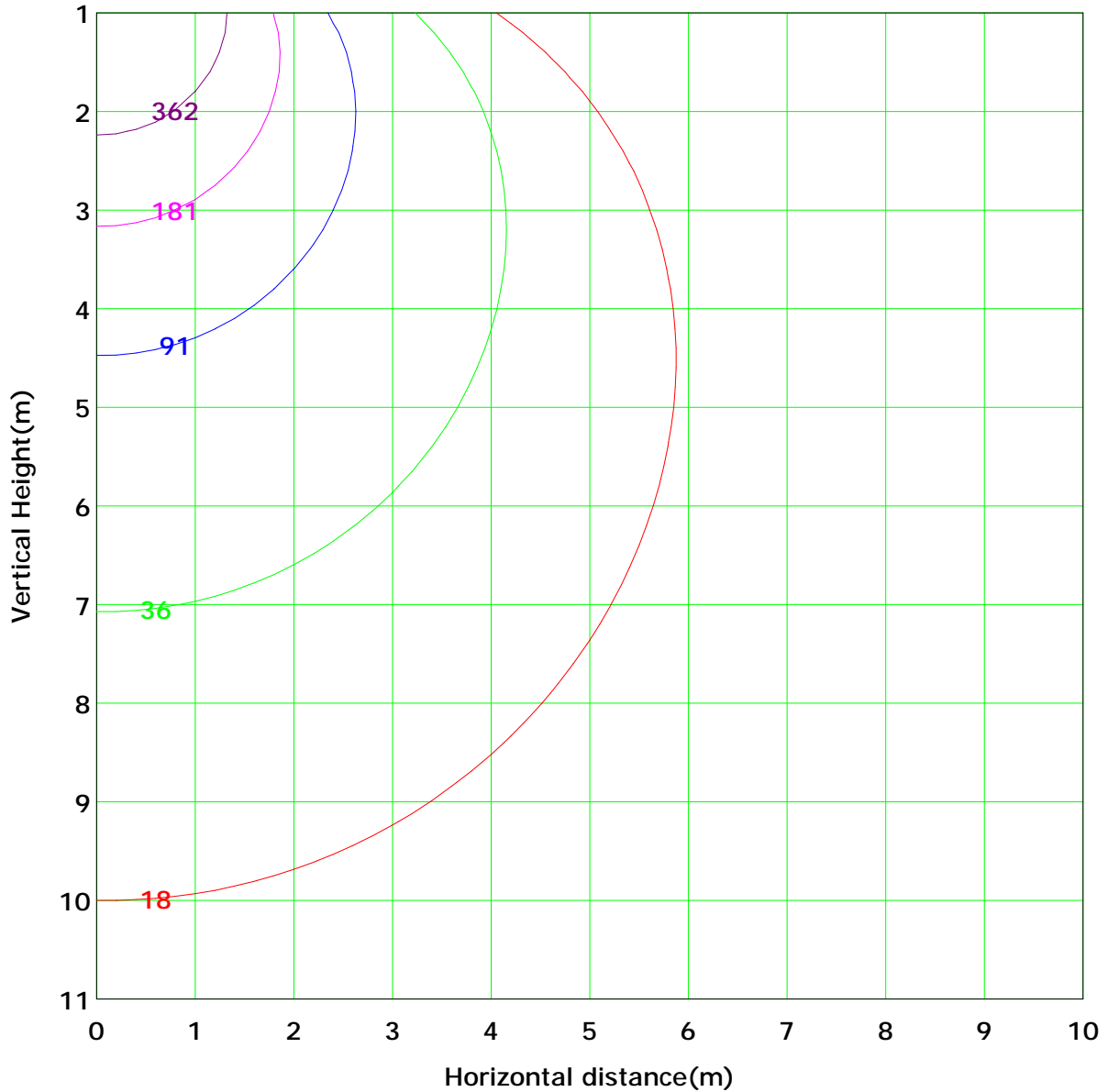


C Plane (°):0.0-360.0: 30.0  
 Test Lab: 60  
 Test Type: TYPE C  
 Temperature: 23  
 Operator: QIU

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: 1811.1 lx  
 ( 1%): 18.1 lx                      ( 2%): 36.2 lx  
 ( 5%): 90.6 lx                        ( 10%): 181.1 lx  
 ( 20%): 362.2 lx

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 60  
 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

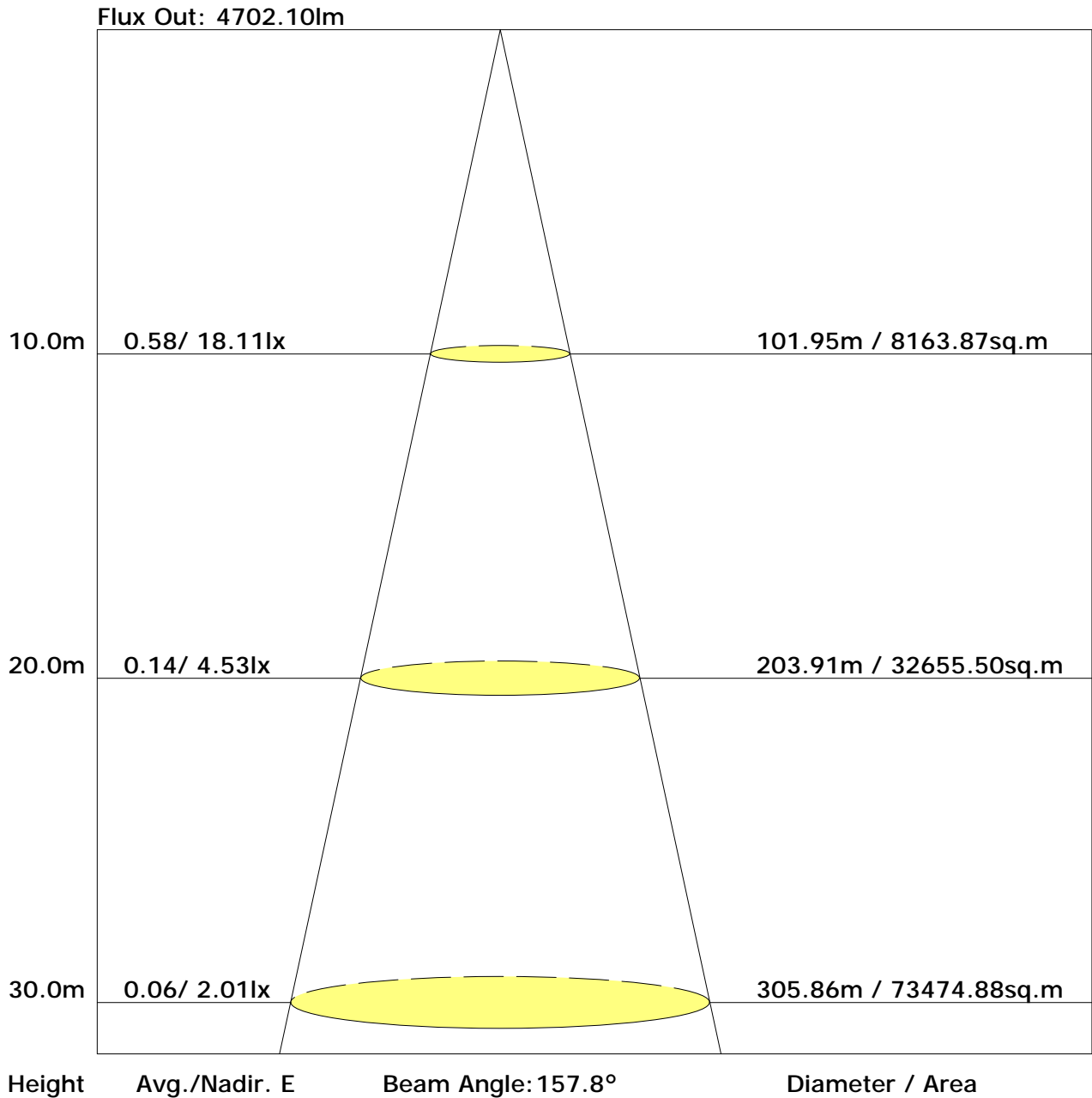
Unit: lm

		Vertical plane																					
		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90			
Flux(T)	90	0.0	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	5.4	0.0	
	80	0.0	0.1	0.3	1.0	2.0	3.1	4.3	5.4	6.0	6.1	5.9	5.1	4.0	2.8	1.6	0.8	0.3	0.1	0.1	48.9	26.6	
	70	0.0	0.2	1.2	3.1	5.7	8.5	11.1	13.3	14.5	14.7	13.9	12.1	9.7	6.8	4.1	2.0	0.7	0.1	0.1	121.9	116.2	
	60	0.0	0.6	2.5	5.7	9.9	14.3	18.3	21.5	23.3	23.5	22.2	19.4	15.5	11.1	6.8	3.4	1.1	0.1	0.1	199.2	196.7	
	50	0.0	0.9	3.7	8.2	13.8	19.7	25.0	29.2	31.6	31.9	30.1	26.2	21.0	15.1	9.5	4.8	1.6	0.2	0.2	272.7	271.2	
	40	0.1	1.3	4.8	10.4	17.3	24.5	31.1	36.3	39.3	39.6	37.2	32.4	25.9	18.7	11.8	6.0	2.0	0.2	0.2	339.0	337.9	
	30	0.1	1.6	5.8	12.2	20.1	28.5	36.2	42.3	45.9	46.2	43.3	37.6	30.0	21.7	13.7	7.0	2.4	0.3	0.3	394.9	394.1	
	20	0.1	1.8	6.4	13.5	22.2	31.4	40.0	46.9	50.9	51.3	47.9	41.5	33.1	23.9	15.1	7.8	2.7	0.3	0.3	436.6	435.9	
	10	0.1	1.9	6.8	14.2	23.3	33.0	42.2	49.5	53.7	54.1	50.5	43.7	34.9	25.2	16.0	8.2	2.8	0.3	0.3	460.6	460.0	
	0	0.1	2.0	6.9	14.4	23.6	33.3	42.6	49.9	54.2	54.5	50.9	44.1	35.2	25.4	16.2	8.3	2.9	0.3	0.3	464.6	464.0	
Flux(E)	90	0.1	1.9	6.7	14.0	22.9	32.3	41.2	48.1	52.1	52.4	49.0	42.5	34.0	24.6	15.6	8.1	2.8	0.3	0.3	448.6	448.0	
	80	0.1	1.8	6.2	13.0	21.3	30.0	38.0	44.2	47.8	48.1	45.1	39.3	31.5	22.9	14.5	7.5	2.6	0.3	0.3	414.2	413.4	
	70	0.1	1.5	5.5	11.6	19.0	26.5	33.4	38.7	41.9	42.2	39.6	34.6	27.9	20.4	12.9	6.6	2.3	0.3	0.3	364.8	363.9	
	60	0.1	1.2	4.5	9.7	15.8	22.1	27.8	32.2	34.8	35.1	33.0	29.0	23.4	17.1	10.9	5.6	1.9	0.2	0.2	304.3	303.1	
	50	0.0	0.8	3.3	7.4	12.1	17.0	21.5	25.0	27.0	27.2	25.7	22.6	18.3	13.4	8.5	4.3	1.4	0.2	0.2	235.7	233.9	
	40	0.0	0.5	2.1	4.8	8.1	11.5	14.7	17.2	18.6	18.8	17.8	15.7	12.7	9.2	5.8	2.9	1.0	0.1	0.1	161.6	158.5	
	30	0.0	0.2	0.9	2.3	4.0	5.9	7.7	9.1	10.0	10.2	9.7	8.6	6.9	5.0	3.2	1.6	0.5	0.1	0.1	86.3	75.9	
	20	0.0	0.1	0.2	0.5	0.9	1.4	1.9	2.4	2.7	2.8	2.7	2.4	2.0	1.5	1.0	0.5	0.2	0.0	0.0	23.3	1.5	
	10	1.1	18.3	67.8	146.1	242.0	343.4	437.3	511.6	554.7	559.6	525.5	457.5	366.4	265.3	167.6	85.6	29.2	3.5	0.3	0.3	4783	
	0	0.0	11.6	62.8	141.3	237.3	338.7	432.5	506.9	549.9	555.2	521.1	452.7	361.8	260.8	162.9	81.0	24.0	0.3	0.3	0.3	4701	

C Plane (°): 0.0-360.0: 30.0  
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 Inspector:

## The Average Illuminance Effective Figure



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 Test Type: TYPE C  
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Gamma Plane (°):0.0-180.0:1.0  
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## UGR Table

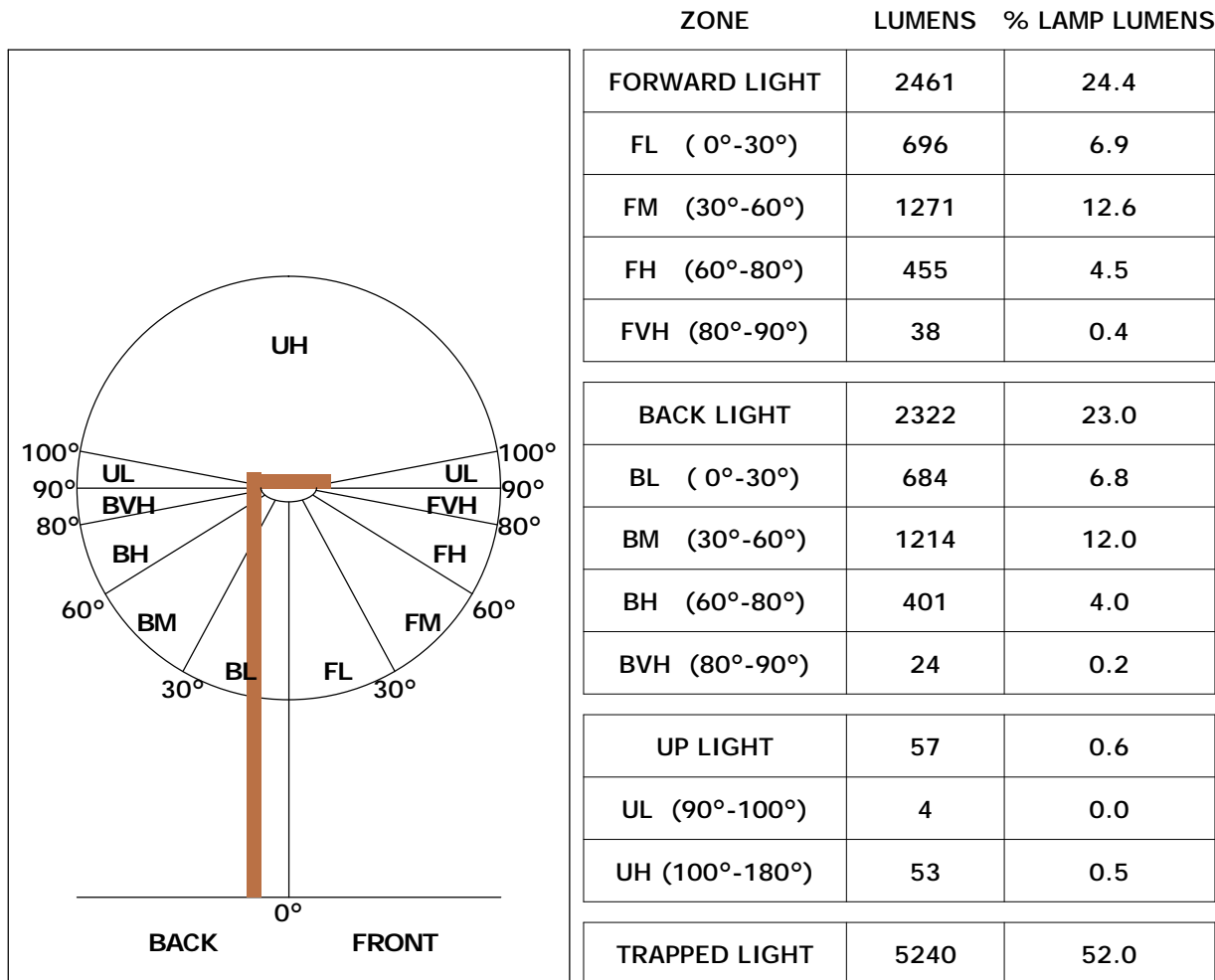
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	11.7	13.3	12.1	13.7	14.0	10.3	11.9	10.7	12.2	12.5
3H	13.5	14.9	13.9	15.3	15.7	11.7	13.1	12.1	13.5	13.8
4H	14.2	15.5	14.6	15.9	16.3	12.1	13.5	12.5	13.8	14.2
6H	14.6	15.8	15.0	16.2	16.6	12.4	13.6	12.8	14.0	14.4
8H	14.7	15.9	15.2	16.3	16.7	12.4	13.6	12.9	14.0	14.4
12H	14.8	15.9	15.2	16.3	16.8	12.4	13.6	12.9	14.0	14.4
X=4H Y=2H	12.1	13.4	12.5	13.8	14.2	10.9	12.2	11.3	12.6	13.0
3H	14.0	15.1	14.4	15.5	16.0	12.5	13.6	12.9	14.0	14.5
4H	14.7	15.7	15.2	16.2	16.6	13.0	14.0	13.5	14.5	14.9
6H	15.2	16.1	15.7	16.6	17.1	13.3	14.2	13.8	14.7	15.2
8H	15.4	16.2	15.9	16.7	17.2	13.4	14.2	13.9	14.7	15.2
12H	15.5	16.2	16.0	16.7	17.2	13.4	14.2	13.9	14.7	15.2
X=8H Y=4H	14.8	15.6	15.3	16.1	16.6	13.3	14.1	13.7	14.6	15.0
6H	15.3	16.0	15.9	16.5	17.0	13.6	14.3	14.2	14.9	15.4
8H	15.5	16.1	16.1	16.7	17.2	13.8	14.4	14.3	14.9	15.4
12H	15.7	16.2	16.2	16.7	17.3	13.8	14.4	14.3	14.9	15.5
X=12H Y=4H	14.8	15.5	15.3	16.0	16.5	13.3	14.0	13.8	14.5	15.0
6H	15.3	16.0	15.9	16.4	17.0	13.7	14.3	14.2	14.8	15.4
8H	15.5	16.1	16.1	16.6	17.2	13.8	14.4	14.3	14.9	15.5

Calculate in accordance with CIE 190:2010

C Plane (°):0.0-360.0: 30.0  
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**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 G1

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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	0.28	0.33	0.36	0.39	0.42	0.45	0.46	0.48	0.50	
	0.30		0.24	0.29	0.33	0.35	0.39	0.42	0.44	0.46	0.48	
	0.20		0.21	0.26	0.30	0.33	0.37	0.40	0.42	0.45	0.47	
0.50	0.50	0.20	0.27	0.32	0.35	0.37	0.41	0.43	0.44	0.46	0.48	
	0.30		0.24	0.28	0.32	0.35	0.38	0.41	0.42	0.45	0.46	
	0.20		0.21	0.26	0.30	0.32	0.36	0.39	0.41	0.43	0.45	
0.30	0.50	0.20	0.26	0.31	0.34	0.36	0.39	0.41	0.43	0.45	0.46	
	0.30		0.23	0.28	0.31	0.34	0.37	0.39	0.41	0.43	0.45	
	0.20		0.21	0.26	0.29	0.32	0.35	0.38	0.40	0.42	0.44	
0.00	0.00	0.00	0.20	0.24	0.28	0.30	0.34	0.36	0.38	0.40	0.41	
<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	0.47	0.39	0.33	0.28	0.23	0.19	0.16	0.12	0.10	
	0.30		0.39	0.33	0.29	0.25	0.20	0.17	0.15	0.12	0.10	
	0.20		0.34	0.29	0.25	0.23	0.19	0.16	0.14	0.11	0.09	
0.50	0.50	0.20	0.45	0.37	0.31	0.27	0.22	0.19	0.15	0.12	0.09	
	0.30		0.38	0.32	0.28	0.24	0.20	0.16	0.14	0.11	0.09	
	0.20		0.33	0.28	0.25	0.22	0.18	0.15	0.13	0.10	0.09	
0.30	0.50	0.20	0.44	0.35	0.30	0.26	0.20	0.17	0.14	0.11	0.09	
	0.30		0.37	0.31	0.27	0.24	0.19	0.16	0.14	0.11	0.09	
	0.20		0.33	0.28	0.24	0.22	0.18	0.15	0.13	0.10	0.08	
0.00	0.00	0.00	0.28	0.23	0.20	0.17	0.14	0.12	0.10	0.08	0.06	
<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	0.10	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	
0.50	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	0.08	0.09	0.09	
	0.20		0.03	0.04	0.04	0.05	0.06	0.07	0.07	0.08	0.08	
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	0.07	0.08	0.08	0.09	0.09	
	0.20		0.03	0.04	0.04	0.05	0.06	0.06	0.07	0.08	0.08	
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	1812.9	1.7	1.7	0.02	0.02
1.0-2.0	1812.0	5.2	6.9	0.05	0.07
2.0-3.0	1810.4	8.7	15.6	0.09	0.15
3.0-4.0	1807.9	12.1	27.7	0.12	0.27
4.0-5.0	1804.6	15.5	43.2	0.15	0.43
5.0-6.0	1800.5	18.9	62.2	0.19	0.62
6.0-7.0	1795.7	22.3	84.4	0.22	0.84
7.0-8.0	1789.9	25.6	110.1	0.25	1.09
8.0-9.0	1783.4	28.9	139.0	0.29	1.38
9.0-10.0	1776.1	32.1	171.1	0.32	1.70
10.0-11.0	1767.9	35.3	206.4	0.35	2.05
11.0-12.0	1759.0	38.5	244.9	0.38	2.43
12.0-13.0	1749.4	41.5	286.4	0.41	2.84
13.0-14.0	1739.1	44.5	330.9	0.44	3.28
14.0-15.0	1728.0	47.4	378.4	0.47	3.75
15.0-16.0	1716.1	50.3	428.7	0.50	4.25
16.0-17.0	1703.5	53.1	481.7	0.53	4.78
17.0-18.0	1690.3	55.7	537.5	0.55	5.33
18.0-19.0	1676.4	58.3	595.8	0.58	5.91
19.0-20.0	1662.0	60.8	656.6	0.60	6.51
20.0-21.0	1646.8	63.2	719.9	0.63	7.14
21.0-22.0	1630.9	65.5	785.4	0.65	7.79
22.0-23.0	1614.5	67.8	853.2	0.67	8.46
23.0-24.0	1597.6	69.9	923.1	0.69	9.16
24.0-25.0	1580.0	71.9	994.9	0.71	9.87
25.0-26.0	1561.8	73.7	1068.6	0.73	10.60
26.0-27.0	1543.2	75.5	1144.1	0.75	11.35
27.0-28.0	1524.2	77.2	1221.3	0.77	12.12
28.0-29.0	1504.5	78.7	1300.0	0.78	12.90
29.0-30.0	1484.3	80.2	1380.2	0.80	13.69
30.0-31.0	1463.8	81.5	1461.7	0.81	14.50
31.0-32.0	1442.8	82.7	1544.3	0.82	15.32
32.0-33.0	1421.4	83.8	1628.1	0.83	16.15
33.0-34.0	1399.5	84.7	1712.8	0.84	16.99
34.0-35.0	1377.3	85.5	1798.3	0.85	17.84
35.0-36.0	1354.8	86.3	1884.6	0.86	18.70

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 60  
 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	1331.9	86.9	1971.5	0.86	19.56
37.0-38.0	1308.5	87.4	2058.9	0.87	20.43
38.0-39.0	1284.7	87.7	2146.6	0.87	21.30
39.0-40.0	1260.7	87.9	2234.5	0.87	22.17
40.0-41.0	1236.4	88.1	2322.5	0.87	23.04
41.0-42.0	1211.9	88.1	2410.6	0.87	23.91
42.0-43.0	1186.9	87.9	2498.5	0.87	24.79
43.0-44.0	1161.6	87.7	2586.2	0.87	25.66
44.0-45.0	1136.4	87.3	2673.6	0.87	26.52
45.0-46.0	1110.8	86.9	2760.5	0.86	27.39
46.0-47.0	1084.9	86.3	2846.8	0.86	28.24
47.0-48.0	1058.6	85.6	2932.3	0.85	29.09
48.0-49.0	1032.1	84.8	3017.1	0.84	29.93
49.0-50.0	1005.5	83.8	3101.0	0.83	30.76
50.0-51.0	978.7	82.8	3183.8	0.82	31.59
51.0-52.0	951.5	81.7	3265.4	0.81	32.40
52.0-53.0	924.1	80.4	3345.8	0.80	33.19
53.0-54.0	896.6	79.0	3424.9	0.78	33.98
54.0-55.0	868.9	77.6	3502.4	0.77	34.75
55.0-56.0	841.1	76.0	3578.4	0.75	35.50
56.0-57.0	813.0	74.3	3652.8	0.74	36.24
57.0-58.0	784.8	72.6	3725.4	0.72	36.96
58.0-59.0	756.3	70.7	3796.1	0.70	37.66
59.0-60.0	727.6	68.8	3864.8	0.68	38.34
60.0-61.0	698.9	66.7	3931.6	0.66	39.00
61.0-62.0	670.0	64.6	3996.1	0.64	39.64
62.0-63.0	640.9	62.3	4058.5	0.62	40.26
63.0-64.0	611.7	60.0	4118.5	0.60	40.86
64.0-65.0	582.7	57.7	4176.2	0.57	41.43
65.0-66.0	553.5	55.2	4231.4	0.55	41.98
66.0-67.0	523.9	52.7	4284.1	0.52	42.50
67.0-68.0	494.6	50.1	4334.2	0.50	43.00
68.0-69.0	465.2	47.5	4381.7	0.47	43.47
69.0-70.0	435.8	44.8	4426.4	0.44	43.91
70.0-71.0	406.5	42.0	4468.4	0.42	44.33
71.0-72.0	377.5	39.3	4507.7	0.39	44.72

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 60  
 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	348.6	36.5	4544.2	0.36	45.08
73.0-74.0	319.8	33.6	4577.8	0.33	45.41
74.0-75.0	291.4	30.8	4608.6	0.31	45.72
75.0-76.0	263.3	28.0	4636.5	0.28	46.00
76.0-77.0	235.6	25.1	4661.7	0.25	46.25
77.0-78.0	208.8	22.4	4684.0	0.22	46.47
78.0-79.0	182.9	19.7	4703.7	0.19	46.66
79.0-80.0	157.7	17.0	4720.7	0.17	46.83
80.0-81.0	133.7	14.5	4735.1	0.14	46.98
81.0-82.0	111.2	12.1	4747.2	0.12	47.10
82.0-83.0	90.3	9.8	4757.0	0.10	47.19
83.0-84.0	71.3	7.8	4764.8	0.08	47.27
84.0-85.0	54.5	6.0	4770.7	0.06	47.33
85.0-86.0	40.4	4.4	4775.1	0.04	47.37
86.0-87.0	29.0	3.2	4778.3	0.03	47.40
87.0-88.0	20.3	2.2	4780.5	0.02	47.43
88.0-89.0	13.6	1.5	4782.0	0.01	47.44
89.0-90.0	8.8	1.0	4783.0	0.01	47.45
90.0-91.0	5.6	0.6	4783.6	0.01	47.46
91.0-92.0	3.9	0.4	4784.0	0.00	47.46
92.0-93.0	3.4	0.4	4784.4	0.00	47.46
93.0-94.0	3.5	0.4	4784.8	0.00	47.47
94.0-95.0	3.6	0.4	4785.2	0.00	47.47
95.0-96.0	3.7	0.4	4785.6	0.00	47.48
96.0-97.0	3.9	0.4	4786.0	0.00	47.48
97.0-98.0	4.1	0.4	4786.5	0.00	47.48
98.0-99.0	4.2	0.5	4786.9	0.00	47.49
99.0-100.0	4.4	0.5	4787.4	0.00	47.49
100.0-101.0	4.6	0.5	4787.9	0.00	47.50
101.0-102.0	4.7	0.5	4788.4	0.01	47.50
102.0-103.0	4.9	0.5	4788.9	0.01	47.51
103.0-104.0	5.1	0.5	4789.5	0.01	47.51
104.0-105.0	5.3	0.6	4790.0	0.01	47.52
105.0-106.0	5.5	0.6	4790.6	0.01	47.53
106.0-107.0	5.7	0.6	4791.2	0.01	47.53
107.0-108.0	5.9	0.6	4791.8	0.01	47.54

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 60  
 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	6.1	0.6	4792.4	0.01	47.54
109.0-110.0	6.3	0.6	4793.1	0.01	47.55
110.0-111.0	6.4	0.7	4793.7	0.01	47.56
111.0-112.0	6.6	0.7	4794.4	0.01	47.56
112.0-113.0	6.8	0.7	4795.1	0.01	47.57
113.0-114.0	7.0	0.7	4795.8	0.01	47.58
114.0-115.0	7.2	0.7	4796.5	0.01	47.58
115.0-116.0	7.4	0.7	4797.3	0.01	47.59
116.0-117.0	7.7	0.8	4798.0	0.01	47.60
117.0-118.0	7.9	0.8	4798.8	0.01	47.61
118.0-119.0	8.0	0.8	4799.6	0.01	47.61
119.0-120.0	8.3	0.8	4800.4	0.01	47.62
120.0-121.0	8.5	0.8	4801.2	0.01	47.63
121.0-122.0	8.7	0.8	4802.0	0.01	47.64
122.0-123.0	8.9	0.8	4802.8	0.01	47.65
123.0-124.0	9.1	0.8	4803.6	0.01	47.65
124.0-125.0	9.3	0.8	4804.5	0.01	47.66
125.0-126.0	9.5	0.8	4805.3	0.01	47.67
126.0-127.0	9.7	0.9	4806.2	0.01	47.68
127.0-128.0	9.9	0.9	4807.0	0.01	47.69
128.0-129.0	10.1	0.9	4807.9	0.01	47.70
129.0-130.0	10.3	0.9	4808.8	0.01	47.71
130.0-131.0	10.6	0.9	4809.6	0.01	47.71
131.0-132.0	10.8	0.9	4810.5	0.01	47.72
132.0-133.0	11.0	0.9	4811.4	0.01	47.73
133.0-134.0	11.2	0.9	4812.3	0.01	47.74
134.0-135.0	11.4	0.9	4813.2	0.01	47.75
135.0-136.0	11.7	0.9	4814.1	0.01	47.76
136.0-137.0	11.9	0.9	4815.0	0.01	47.77
137.0-138.0	12.1	0.9	4815.9	0.01	47.78
138.0-139.0	12.4	0.9	4816.8	0.01	47.79
139.0-140.0	12.6	0.9	4817.7	0.01	47.79
140.0-141.0	12.8	0.9	4818.6	0.01	47.80
141.0-142.0	13.0	0.9	4819.5	0.01	47.81
142.0-143.0	13.3	0.9	4820.4	0.01	47.82
143.0-144.0	13.5	0.9	4821.2	0.01	47.83

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 60  
 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	13.7	0.9	4822.1	0.01	47.84
145.0-146.0	13.9	0.9	4823.0	0.01	47.85
146.0-147.0	14.2	0.9	4823.8	0.01	47.86
147.0-148.0	14.4	0.8	4824.7	0.01	47.86
148.0-149.0	14.6	0.8	4825.5	0.01	47.87
149.0-150.0	14.8	0.8	4826.3	0.01	47.88
150.0-151.0	15.0	0.8	4827.2	0.01	47.89
151.0-152.0	15.2	0.8	4828.0	0.01	47.90
152.0-153.0	15.4	0.8	4828.7	0.01	47.90
153.0-154.0	15.6	0.8	4829.5	0.01	47.91
154.0-155.0	15.8	0.7	4830.2	0.01	47.92
155.0-156.0	16.0	0.7	4831.0	0.01	47.93
156.0-157.0	16.1	0.7	4831.7	0.01	47.93
157.0-158.0	16.3	0.7	4832.4	0.01	47.94
158.0-159.0	16.5	0.7	4833.0	0.01	47.95
159.0-160.0	16.6	0.6	4833.7	0.01	47.95
160.0-161.0	16.8	0.6	4834.3	0.01	47.96
161.0-162.0	17.0	0.6	4834.9	0.01	47.96
162.0-163.0	17.1	0.6	4835.4	0.01	47.97
163.0-164.0	17.3	0.5	4836.0	0.01	47.98
164.0-165.0	17.4	0.5	4836.5	0.01	47.98
165.0-166.0	17.6	0.5	4837.0	0.00	47.99
166.0-167.0	17.7	0.5	4837.4	0.00	47.99
167.0-168.0	17.9	0.4	4837.8	0.00	47.99
168.0-169.0	18.0	0.4	4838.2	0.00	48.00
169.0-170.0	18.1	0.4	4838.6	0.00	48.00
170.0-171.0	18.2	0.3	4838.9	0.00	48.01
171.0-172.0	18.3	0.3	4839.2	0.00	48.01
172.0-173.0	18.4	0.3	4839.5	0.00	48.01
173.0-174.0	18.5	0.2	4839.7	0.00	48.01
174.0-175.0	18.6	0.2	4839.9	0.00	48.01
175.0-176.0	18.7	0.2	4840.1	0.00	48.02
176.0-177.0	18.7	0.1	4840.2	0.00	48.02
177.0-178.0	18.8	0.1	4840.3	0.00	48.02
178.0-179.0	18.8	0.1	4840.3	0.00	48.02
179.0-180.0	18.8	0.0	4840.4	0.00	48.02

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 60  
 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	1811.1	1811.2	1812.6	1814.9	1815.3	1813.3	1811.1	1811.2	1812.6	1814.9
G1.0	1811.9	1812.3	1814.3	1815.9	1815.6	1812.7	1809.0	1808.9	1810.7	1813.2
G2.0	1811.7	1813.0	1814.8	1815.9	1814.7	1810.7	1806.4	1805.8	1807.4	1810.6
G3.0	1810.9	1813.0	1814.8	1814.8	1813.3	1808.9	1803.7	1801.9	1803.6	1807.0
G4.0	1809.2	1811.6	1813.8	1813.5	1810.4	1806.0	1799.1	1797.2	1798.7	1802.4
G5.0	1807.2	1809.7	1811.5	1811.1	1807.2	1801.5	1794.5	1791.7	1793.3	1797.1
G6.0	1804.2	1807.0	1808.7	1807.8	1803.0	1797.0	1788.9	1785.8	1786.8	1791.9
G7.0	1800.2	1803.9	1805.1	1803.8	1798.0	1791.2	1783.1	1778.7	1779.9	1784.7
G8.0	1795.2	1799.7	1801.0	1798.7	1792.7	1785.3	1775.1	1771.2	1771.7	1776.9
G9.0	1790.2	1794.5	1795.5	1792.1	1785.9	1778.2	1767.6	1762.3	1762.7	1768.2
G10.0	1784.1	1788.7	1789.4	1786.0	1778.3	1770.2	1758.9	1753.1	1753.5	1759.0
G11.0	1776.4	1782.3	1782.3	1778.3	1769.9	1761.7	1750.0	1743.4	1742.6	1748.5
G12.0	1768.9	1774.9	1774.8	1769.8	1761.2	1752.4	1739.5	1732.7	1731.4	1737.8
G13.0	1760.8	1766.7	1766.5	1761.3	1751.5	1742.3	1728.6	1721.1	1719.2	1725.9
G14.0	1751.6	1758.3	1757.4	1750.6	1741.0	1731.6	1717.4	1708.7	1707.0	1713.6
G15.0	1741.6	1748.6	1747.4	1740.5	1729.7	1720.0	1704.8	1695.8	1694.1	1700.2
G16.0	1731.0	1738.5	1736.5	1728.9	1718.2	1707.9	1692.2	1682.7	1679.0	1685.9
G17.0	1719.8	1727.2	1725.2	1716.8	1705.3	1694.9	1678.6	1667.6	1664.4	1671.2
G18.0	1708.3	1715.4	1713.0	1704.5	1692.1	1681.9	1664.8	1653.5	1648.7	1655.7
G19.0	1695.7	1703.0	1699.9	1690.4	1678.0	1667.8	1649.8	1638.0	1632.5	1640.3
G20.0	1682.8	1690.1	1687.0	1676.3	1664.1	1653.2	1634.4	1621.7	1616.2	1623.5
G21.0	1668.7	1675.9	1672.2	1661.5	1648.5	1637.9	1618.7	1605.2	1599.2	1605.7
G22.0	1653.5	1662.3	1657.3	1646.1	1632.9	1622.5	1601.9	1587.4	1580.4	1587.8
G23.0	1638.9	1647.5	1642.8	1629.7	1615.9	1605.3	1584.7	1569.8	1562.2	1569.7
G24.0	1623.4	1631.3	1626.0	1613.7	1599.1	1589.3	1566.5	1552.0	1543.8	1550.7
G25.0	1607.4	1615.8	1609.7	1595.8	1581.9	1570.8	1548.2	1531.8	1523.1	1530.7
G26.0	1590.2	1598.8	1592.4	1578.1	1563.4	1553.4	1528.9	1512.8	1503.1	1511.2
G27.0	1573.2	1582.3	1575.0	1559.3	1545.1	1534.9	1509.8	1493.5	1483.0	1490.0
G28.0	1554.8	1563.9	1556.3	1541.3	1526.4	1515.8	1490.6	1472.8	1462.0	1469.5
G29.0	1536.7	1546.2	1537.7	1521.9	1506.1	1496.3	1469.3	1451.7	1440.6	1446.9
G30.0	1517.9	1527.3	1518.8	1500.8	1486.1	1476.4	1449.4	1430.9	1419.3	1425.2
G31.0	1498.5	1508.1	1499.3	1481.5	1465.6	1456.5	1428.5	1409.2	1395.7	1403.4
G32.0	1479.1	1488.5	1478.2	1461.2	1444.7	1435.5	1406.9	1387.0	1373.7	1380.2
G33.0	1458.7	1469.1	1458.3	1439.4	1424.4	1414.8	1384.5	1364.1	1349.9	1356.7
G34.0	1437.9	1447.6	1436.4	1418.2	1401.5	1393.0	1362.2	1341.0	1327.1	1333.3
G35.0	1416.8	1427.0	1415.9	1396.7	1379.7	1371.8	1339.1	1317.4	1302.8	1309.6
G36.0	1395.6	1405.8	1394.3	1373.8	1357.2	1348.9	1316.6	1294.5	1279.4	1285.8

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 60  
 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	1373.7	1383.6	1371.8	1352.2	1335.1	1326.6	1292.5	1270.2	1254.8	1260.5
G38.0	1351.3	1361.5	1349.5	1328.5	1311.9	1302.9	1268.4	1245.1	1229.8	1236.1
G39.0	1328.5	1338.7	1326.4	1305.7	1288.2	1280.2	1243.9	1220.7	1204.6	1210.7
G40.0	1304.8	1315.6	1302.8	1281.6	1264.1	1256.6	1220.8	1196.2	1179.0	1185.3
G41.0	1282.8	1292.5	1279.2	1258.8	1240.5	1232.6	1195.1	1170.6	1152.8	1159.3
G42.0	1258.7	1268.9	1255.3	1233.4	1217.0	1208.0	1170.8	1145.4	1127.4	1133.7
G43.0	1234.4	1244.8	1230.9	1209.3	1192.3	1183.9	1144.6	1118.8	1100.9	1107.3
G44.0	1210.5	1220.5	1206.5	1184.4	1167.9	1159.1	1118.9	1093.2	1074.5	1080.4
G45.0	1186.3	1196.8	1182.2	1160.4	1143.2	1134.4	1092.7	1066.8	1048.2	1053.4
G46.0	1161.0	1171.9	1157.6	1135.2	1117.1	1108.6	1066.3	1040.6	1021.5	1027.4
G47.0	1136.2	1146.8	1132.6	1110.0	1092.1	1083.8	1039.6	1013.7	994.0	999.8
G48.0	1110.2	1121.8	1106.4	1084.1	1066.2	1057.8	1013.0	986.5	966.4	972.5
G49.0	1085.4	1095.8	1081.2	1058.4	1040.7	1032.3	986.6	958.7	938.9	943.6
G50.0	1058.8	1070.3	1055.3	1032.6	1013.8	1006.3	959.0	931.7	910.9	917.1
G51.0	1033.1	1043.6	1028.9	1006.6	988.3	979.6	931.8	903.2	883.5	889.1
G52.0	1005.8	1016.5	1002.0	980.6	961.3	952.9	903.5	875.0	855.4	860.9
G53.0	980.4	990.9	976.2	953.9	935.0	925.8	875.0	847.8	826.3	832.5
G54.0	952.2	963.7	949.2	926.7	907.4	898.5	847.7	818.4	798.8	804.6
G55.0	926.1	937.5	922.5	899.6	881.8	872.2	818.0	789.9	770.2	775.0
G56.0	898.1	910.0	895.3	872.7	853.7	843.8	790.5	761.5	741.6	746.6
G57.0	870.3	882.9	867.7	846.1	826.0	817.2	761.8	731.9	712.1	718.0
G58.0	842.4	854.5	839.9	818.3	798.9	789.7	732.8	703.5	683.0	689.4
G59.0	814.7	826.9	812.8	790.4	771.6	760.9	703.0	673.5	653.0	660.3
G60.0	785.8	798.8	784.8	762.6	743.5	733.4	673.6	644.6	624.3	630.2
G61.0	758.0	770.3	757.2	735.8	715.3	705.0	644.0	615.0	594.2	600.8
G62.0	728.8	742.2	728.5	707.3	686.7	676.2	614.9	585.1	565.7	571.1
G63.0	700.8	713.7	701.0	678.7	658.5	647.7	585.6	555.2	535.2	541.3
G64.0	672.2	684.4	672.1	649.9	629.5	618.4	555.7	525.8	506.0	511.5
G65.0	643.2	656.3	644.5	622.3	601.8	590.4	525.7	496.4	477.0	482.4
G66.0	613.7	627.0	614.8	592.8	572.3	561.2	496.0	466.6	447.4	452.9
G67.0	583.4	596.9	585.6	565.3	544.7	532.6	465.9	435.6	417.1	424.2
G68.0	554.6	568.2	557.9	536.5	515.7	503.4	436.1	406.4	387.7	394.0
G69.0	525.3	538.6	528.1	508.3	487.5	474.1	405.4	376.6	358.2	365.4
G70.0	495.3	509.1	499.7	478.8	457.7	444.8	376.2	346.9	328.9	334.9
G71.0	465.8	479.4	470.4	451.0	428.8	416.1	346.5	317.6	300.5	307.8
G72.0	436.0	450.4	442.3	421.5	399.7	386.8	317.7	288.3	271.8	278.6
G73.0	407.0	420.5	411.8	393.3	372.1	358.3	288.4	260.2	243.5	250.3

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 60  
 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	378.0	392.4	383.3	364.5	343.4	329.5	259.0	231.9	215.9	223.3
G75.0	348.5	363.1	355.1	336.1	314.4	300.8	230.8	204.3	189.0	196.5
G76.0	319.7	333.3	326.4	307.4	287.1	272.0	203.3	176.9	163.0	170.4
G77.0	290.1	304.6	297.0	279.6	258.3	244.4	177.0	151.4	137.9	144.8
G78.0	262.5	276.3	269.7	252.4	231.9	217.3	150.9	126.3	114.1	120.9
G79.0	234.1	248.2	242.2	225.6	205.4	190.2	125.4	103.0	92.1	98.8
G80.0	206.8	220.2	215.9	199.4	179.5	164.3	102.2	80.8	71.5	78.1
G81.0	180.1	192.7	187.8	173.9	153.9	139.4	80.6	60.0	53.5	59.7
G82.0	154.9	167.7	162.8	149.3	130.4	116.1	59.8	42.5	37.4	42.8
G83.0	129.1	141.8	138.3	125.8	107.3	93.1	42.8	27.8	24.1	28.6
G84.0	105.7	117.3	115.1	103.9	86.7	72.9	27.0	16.1	14.1	17.3
G85.0	83.4	94.6	92.9	83.7	66.9	53.7	15.4	8.4	7.6	9.5
G86.0	63.4	73.7	73.1	65.0	50.2	37.5	7.3	4.2	3.3	4.2
G87.0	45.3	54.8	55.5	48.5	35.4	23.9	3.4	3.1	2.6	2.3
G88.0	30.1	38.4	40.0	34.0	23.1	14.1	3.0	3.0	2.6	2.3
G89.0	18.0	24.2	26.2	21.5	13.7	7.6	3.2	3.0	2.7	2.3
G90.0	9.4	14.6	16.2	12.7	7.2	3.8	3.3	3.2	2.8	2.5
G91.0	4.8	7.7	8.8	6.2	3.2	3.6	3.5	3.3	2.9	2.6
G92.0	4.2	4.2	4.1	2.8	3.0	3.6	3.6	3.5	3.0	2.7
G93.0	4.3	4.0	3.2	2.7	3.1	3.7	3.8	3.7	3.2	2.9
G94.0	4.4	4.0	3.2	2.9	3.3	3.8	4.0	3.8	3.4	3.0
G95.0	4.5	4.0	3.3	3.0	3.4	4.1	4.2	4.0	3.5	3.2
G96.0	4.6	4.1	3.4	3.1	3.5	4.2	4.4	4.2	3.7	3.3
G97.0	4.7	4.2	3.5	3.3	3.7	4.4	4.6	4.4	3.8	3.5
G98.0	4.9	4.3	3.6	3.4	3.8	4.6	4.8	4.6	4.1	3.7
G99.0	5.0	4.4	3.8	3.6	4.0	4.8	5.0	4.8	4.2	3.8
G100.0	5.1	4.6	3.9	3.8	4.2	5.0	5.1	5.0	4.4	4.0
G101.0	5.3	4.8	4.1	3.9	4.4	5.2	5.3	5.1	4.6	4.2
G102.0	5.4	4.9	4.2	4.1	4.6	5.4	5.6	5.3	4.8	4.4
G103.0	5.6	5.0	4.4	4.3	4.8	5.6	5.7	5.5	5.0	4.6
G104.0	5.7	5.2	4.6	4.5	4.9	5.8	5.9	5.8	5.1	4.8
G105.0	5.9	5.4	4.8	4.7	5.1	6.0	6.2	5.9	5.3	4.9
G106.0	6.2	5.6	5.0	4.8	5.3	6.2	6.3	6.1	5.5	5.1
G107.0	6.3	5.8	5.2	5.0	5.6	6.4	6.5	6.3	5.7	5.3
G108.0	6.5	6.0	5.3	5.3	5.7	6.6	6.7	6.5	5.9	5.5
G109.0	6.7	6.2	5.6	5.4	5.9	6.8	7.0	6.7	6.1	5.7
G110.0	7.0	6.4	5.8	5.6	6.2	7.0	7.1	6.9	6.3	5.9

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 60  
 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	7.1	6.6	5.9	5.8	6.4	7.2	7.3	7.1	6.5	6.1
G112.0	7.4	6.8	6.2	6.1	6.5	7.4	7.5	7.3	6.7	6.3
G113.0	7.6	7.0	6.4	6.2	6.7	7.7	7.7	7.5	6.9	6.5
G114.0	7.8	7.2	6.6	6.4	7.0	7.8	7.9	7.7	7.1	6.7
G115.0	8.0	7.3	6.7	6.6	7.2	8.0	8.1	7.9	7.3	6.9
G116.0	8.2	7.6	7.0	6.8	7.4	8.2	8.3	8.1	7.5	7.1
G117.0	8.4	7.8	7.2	7.1	7.6	8.5	8.5	8.3	7.7	7.3
G118.0	8.6	8.0	7.4	7.3	7.8	8.6	8.7	8.5	7.9	7.5
G119.0	8.8	8.1	7.6	7.5	8.0	8.8	8.9	8.7	8.1	7.7
G120.0	9.0	8.4	7.8	7.8	8.2	9.1	9.1	8.9	8.3	7.9
G121.0	9.2	8.5	8.0	8.0	8.5	9.3	9.3	9.1	8.5	8.1
G122.0	9.4	8.7	8.2	8.2	8.7	9.5	9.5	9.2	8.7	8.4
G123.0	9.6	8.9	8.4	8.4	8.9	9.7	9.7	9.4	8.9	8.6
G124.0	9.8	9.1	8.6	8.6	9.1	9.9	9.9	9.6	9.1	8.8
G125.0	10.0	9.3	8.8	8.8	9.3	10.1	10.1	9.8	9.4	9.0
G126.0	10.2	9.5	9.1	9.1	9.5	10.3	10.3	10.0	9.6	9.2
G127.0	10.4	9.7	9.2	9.3	9.7	10.6	10.6	10.2	9.8	9.4
G128.0	10.6	9.9	9.4	9.5	10.0	10.8	10.8	10.5	10.0	9.6
G129.0	10.8	10.1	9.6	9.7	10.2	11.0	11.0	10.7	10.2	9.9
G130.0	11.1	10.3	9.9	10.0	10.4	11.1	11.2	10.9	10.4	10.1
G131.0	11.2	10.6	10.1	10.2	10.6	11.3	11.4	11.1	10.7	10.3
G132.0	11.5	10.8	10.3	10.4	10.9	11.5	11.7	11.4	10.9	10.5
G133.0	11.7	11.0	10.5	10.6	11.1	11.7	11.9	11.6	11.2	10.8
G134.0	11.9	11.2	10.7	10.9	11.4	12.0	12.1	11.8	11.4	11.0
G135.0	12.1	11.4	10.9	11.1	11.6	12.2	12.3	12.0	11.6	11.2
G136.0	12.4	11.7	11.1	11.3	11.8	12.4	12.6	12.3	11.8	11.5
G137.0	12.6	11.9	11.4	11.6	12.0	12.6	12.8	12.5	12.0	11.7
G138.0	12.9	12.1	11.6	11.8	12.3	12.9	13.1	12.8	12.3	11.9
G139.0	13.1	12.3	11.9	12.0	12.5	13.1	13.3	13.0	12.5	12.1
G140.0	13.3	12.5	12.1	12.3	12.8	13.3	13.5	13.2	12.7	12.4
G141.0	13.5	12.7	12.4	12.5	12.9	13.5	13.7	13.5	12.9	12.5
G142.0	13.7	12.9	12.6	12.7	13.1	13.8	14.0	13.7	13.1	12.7
G143.0	14.0	13.2	12.8	13.0	13.4	14.0	14.1	14.0	13.3	13.0
G144.0	14.1	13.4	13.1	13.2	13.6	14.2	14.4	14.2	13.6	13.2
G145.0	14.4	13.6	13.3	13.4	13.8	14.4	14.6	14.4	13.8	13.4
G146.0	14.6	13.9	13.5	13.6	14.0	14.6	14.8	14.6	14.0	13.6
G147.0	14.8	14.1	13.7	13.8	14.2	14.9	15.0	14.8	14.2	13.9

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 60  
 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	14.9	14.2	14.0	14.0	14.4	15.0	15.2	15.0	14.4	14.1
G149.0	15.1	14.4	14.2	14.2	14.6	15.3	15.4	15.3	14.7	14.2
G150.0	15.3	14.7	14.4	14.4	14.8	15.4	15.6	15.5	14.9	14.4
G151.0	15.5	14.8	14.7	14.7	15.0	15.6	15.7	15.7	15.0	14.7
G152.0	15.7	15.0	14.9	14.8	15.2	15.8	15.9	15.9	15.3	14.9
G153.0	15.9	15.3	15.1	15.0	15.4	16.0	16.1	16.1	15.5	15.1
G154.0	16.1	15.4	15.3	15.1	15.6	16.2	16.3	16.2	15.6	15.3
G155.0	16.2	15.6	15.5	15.4	15.7	16.4	16.4	16.4	15.9	15.5
G156.0	16.4	15.9	15.7	15.6	15.9	16.5	16.6	16.6	16.1	15.7
G157.0	16.5	16.0	15.9	15.7	16.1	16.7	16.8	16.8	16.2	15.9
G158.0	16.6	16.2	16.1	15.9	16.3	16.9	16.9	16.9	16.4	16.1
G159.0	16.8	16.4	16.3	16.1	16.5	17.0	17.0	17.0	16.5	16.3
G160.0	17.0	16.5	16.5	16.3	16.6	17.2	17.2	17.2	16.8	16.5
G161.0	17.1	16.7	16.6	16.5	16.8	17.3	17.3	17.3	16.9	16.6
G162.0	17.2	16.9	16.8	16.6	17.0	17.4	17.5	17.5	17.1	16.9
G163.0	17.4	17.0	17.0	16.8	17.1	17.6	17.6	17.6	17.2	17.0
G164.0	17.5	17.2	17.2	17.0	17.3	17.7	17.7	17.7	17.5	17.2
G165.0	17.7	17.3	17.3	17.1	17.5	17.8	17.8	17.8	17.6	17.4
G166.0	17.8	17.5	17.5	17.3	17.6	17.9	18.0	17.9	17.7	17.6
G167.0	17.9	17.6	17.7	17.5	17.7	18.0	18.1	18.1	17.8	17.8
G168.0	18.0	17.7	17.8	17.7	17.9	18.1	18.2	18.2	18.0	17.9
G169.0	18.2	17.8	17.9	17.9	18.0	18.2	18.3	18.3	18.1	18.1
G170.0	18.3	17.9	18.0	18.0	18.1	18.3	18.4	18.4	18.2	18.2
G171.0	18.4	18.1	18.1	18.2	18.2	18.4	18.5	18.5	18.3	18.4
G172.0	18.5	18.2	18.3	18.3	18.3	18.4	18.6	18.5	18.4	18.5
G173.0	18.6	18.3	18.4	18.4	18.4	18.5	18.7	18.6	18.5	18.7
G174.0	18.7	18.4	18.5	18.6	18.4	18.6	18.8	18.7	18.5	18.8
G175.0	18.8	18.5	18.5	18.7	18.5	18.6	18.8	18.7	18.6	18.9
G176.0	18.8	18.5	18.5	18.8	18.5	18.7	18.8	18.7	18.6	19.0
G177.0	18.9	18.6	18.6	18.9	18.6	18.7	18.9	18.7	18.7	19.1
G178.0	19.0	18.7	18.6	19.0	18.6	18.7	19.0	18.7	18.7	19.1
G179.0	19.0	18.7	18.7	19.1	18.7	18.7	19.0	18.7	18.7	19.1
G180.0	19.0	18.7	18.7	19.1	18.7	18.7	19.0	18.7	18.7	19.1

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 60  
 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	1815.3	1813.3	1811.1							
G1.0	1814.6	1813.2	1811.9							
G2.0	1813.0	1812.6	1811.7							
G3.0	1810.4	1810.9	1810.9							
G4.0	1806.6	1808.6	1809.2							
G5.0	1802.5	1805.2	1807.2							
G6.0	1797.4	1801.0	1804.2							
G7.0	1791.5	1796.0	1800.2							
G8.0	1784.6	1790.3	1795.2							
G9.0	1777.5	1783.9	1790.2							
G10.0	1768.8	1776.9	1784.1							
G11.0	1759.8	1768.5	1776.4							
G12.0	1749.6	1759.9	1768.9							
G13.0	1738.9	1750.6	1760.8							
G14.0	1727.2	1740.0	1751.6							
G15.0	1715.2	1728.8	1741.6							
G16.0	1702.6	1717.2	1731.0							
G17.0	1688.0	1704.9	1719.8							
G18.0	1673.8	1691.5	1708.3							
G19.0	1658.5	1677.2	1695.7							
G20.0	1643.6	1663.0	1682.8							
G21.0	1626.4	1647.5	1668.7							
G22.0	1610.1	1632.3	1653.5							
G23.0	1592.1	1615.6	1638.9							
G24.0	1574.1	1598.9	1623.4							
G25.0	1554.5	1580.9	1607.4							
G26.0	1535.8	1563.5	1590.2							
G27.0	1516.4	1543.8	1573.2							
G28.0	1495.8	1524.7	1554.8							
G29.0	1474.6	1505.2	1536.7							
G30.0	1453.9	1485.0	1517.9							
G31.0	1431.3	1463.3	1498.5							
G32.0	1409.4	1442.8	1479.1							
G33.0	1386.6	1421.1	1458.7							
G34.0	1363.6	1398.9	1437.9							
G35.0	1340.5	1376.2	1416.8							
G36.0	1317.2	1353.3	1395.6							

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 60  
 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	1292.2	1330.4	1373.7							
G38.0	1268.5	1307.2	1351.3							
G39.0	1243.0	1281.8	1328.5							
G40.0	1218.6	1258.4	1304.8							
G41.0	1192.6	1233.7	1282.8							
G42.0	1167.0	1209.1	1258.7							
G43.0	1140.6	1183.7	1234.4							
G44.0	1115.3	1156.8	1210.5							
G45.0	1088.7	1131.4	1186.3							
G46.0	1062.6	1105.7	1161.0							
G47.0	1034.9	1078.9	1136.2							
G48.0	1007.8	1051.4	1110.2							
G49.0	980.5	1024.4	1085.4							
G50.0	953.3	997.1	1058.8							
G51.0	924.8	969.8	1033.1							
G52.0	896.6	942.2	1005.8							
G53.0	868.4	913.4	980.4							
G54.0	841.0	885.1	952.2							
G55.0	810.8	857.0	926.1							
G56.0	783.5	828.9	898.1							
G57.0	753.8	799.3	870.3							
G58.0	724.8	770.3	842.4							
G59.0	696.2	740.9	814.7							
G60.0	666.0	711.4	785.8							
G61.0	636.4	682.2	758.0							
G62.0	606.5	651.8	728.8							
G63.0	577.4	621.8	700.8							
G64.0	546.8	591.5	672.2							
G65.0	518.7	562.0	643.2							
G66.0	486.9	531.1	613.7							
G67.0	458.6	501.6	583.4							
G68.0	427.3	471.4	554.6							
G69.0	398.3	441.0	525.3							
G70.0	368.7	410.8	495.3							
G71.0	339.1	381.3	465.8							
G72.0	311.1	351.9	436.0							
G73.0	282.2	322.0	407.0							

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 60  
 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	253.0	292.0	378.0							
G75.0	225.9	263.7	348.5							
G76.0	198.0	234.5	319.7							
G77.0	171.5	206.7	290.1							
G78.0	146.5	179.4	262.5							
G79.0	122.1	153.6	234.1							
G80.0	98.0	127.6	206.8							
G81.0	78.2	104.2	180.1							
G82.0	58.6	81.6	154.9							
G83.0	42.3	61.7	129.1							
G84.0	27.7	43.3	105.7							
G85.0	17.1	28.2	83.4							
G86.0	9.2	16.8	63.4							
G87.0	4.3	9.1	45.3							
G88.0	2.9	4.7	30.1							
G89.0	2.8	3.6	18.0							
G90.0	2.8	3.5	9.4							
G91.0	2.8	3.5	4.8							
G92.0	2.9	3.5	4.2							
G93.0	2.9	3.6	4.3							
G94.0	3.0	3.7	4.4							
G95.0	3.2	3.8	4.5							
G96.0	3.4	3.9	4.6							
G97.0	3.5	4.0	4.7							
G98.0	3.7	4.1	4.9							
G99.0	3.9	4.3	5.0							
G100.0	4.1	4.4	5.1							
G101.0	4.2	4.6	5.3							
G102.0	4.4	4.8	5.4							
G103.0	4.6	4.9	5.6							
G104.0	4.8	5.1	5.7							
G105.0	4.9	5.3	5.9							
G106.0	5.1	5.5	6.2							
G107.0	5.3	5.7	6.3							
G108.0	5.5	5.8	6.5							
G109.0	5.7	6.1	6.7							
G110.0	5.9	6.2	7.0							

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 60  
 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	6.1	6.4	7.1							
G112.0	6.3	6.6	7.4							
G113.0	6.5	6.8	7.6							
G114.0	6.6	7.0	7.8							
G115.0	6.8	7.2	8.0							
G116.0	7.1	7.3	8.2							
G117.0	7.2	7.5	8.4							
G118.0	7.4	7.7	8.6							
G119.0	7.6	7.9	8.8							
G120.0	7.8	8.1	9.0							
G121.0	8.0	8.3	9.2							
G122.0	8.2	8.5	9.4							
G123.0	8.4	8.6	9.6							
G124.0	8.6	8.8	9.8							
G125.0	8.8	9.1	10.0							
G126.0	9.0	9.3	10.2							
G127.0	9.2	9.4	10.4							
G128.0	9.4	9.6	10.6							
G129.0	9.6	9.9	10.8							
G130.0	9.9	10.1	11.1							
G131.0	10.1	10.3	11.2							
G132.0	10.3	10.6	11.5							
G133.0	10.5	10.8	11.7							
G134.0	10.7	11.0	11.9							
G135.0	11.0	11.2	12.1							
G136.0	11.2	11.5	12.4							
G137.0	11.4	11.7	12.6							
G138.0	11.6	11.9	12.9							
G139.0	11.9	12.1	13.1							
G140.0	12.1	12.4	13.3							
G141.0	12.3	12.6	13.5							
G142.0	12.6	12.9	13.7							
G143.0	12.9	13.1	14.0							
G144.0	13.1	13.3	14.1							
G145.0	13.3	13.5	14.4							
G146.0	13.6	13.8	14.6							
G147.0	13.8	14.0	14.8							

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 60  
 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	14.0	14.2	14.9							
G149.0	14.3	14.4	15.1							
G150.0	14.5	14.7	15.3							
G151.0	14.8	14.9	15.5							
G152.0	15.0	15.0	15.7							
G153.0	15.1	15.3	15.9							
G154.0	15.4	15.5	16.1							
G155.0	15.6	15.7	16.2							
G156.0	15.8	15.9	16.4							
G157.0	15.9	16.1	16.5							
G158.0	16.2	16.2	16.6							
G159.0	16.3	16.4	16.8							
G160.0	16.5	16.6	17.0							
G161.0	16.7	16.8	17.1							
G162.0	16.9	16.9	17.2							
G163.0	17.1	17.1	17.4							
G164.0	17.2	17.2	17.5							
G165.0	17.4	17.3	17.7							
G166.0	17.6	17.5	17.8							
G167.0	17.7	17.6	17.9							
G168.0	17.8	17.8	18.0							
G169.0	17.9	17.9	18.2							
G170.0	18.1	18.0	18.3							
G171.0	18.2	18.1	18.4							
G172.0	18.3	18.3	18.5							
G173.0	18.4	18.4	18.6							
G174.0	18.5	18.4	18.7							
G175.0	18.5	18.5	18.8							
G176.0	18.6	18.6	18.8							
G177.0	18.6	18.6	18.9							
G178.0	18.7	18.7	19.0							
G179.0	18.7	18.7	19.0							
G180.0	18.7	18.7	19.0							

C Plane (°):0.0-360.0: 30.0  
 Test Lab: 60  
 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: