

 71932 LED Decorative Linear Wrap		 0-10V Dimmable      QPL ID # PX3KNZ9D
Model:		71932
OVERALL LAMP PARAMETERS	Input Voltage	120-277 VAC 60HZ
	Input Current	.34A Max @ 120V; 0.20A Max @ 277V
	Input Power	40W
	Power Factor	PF>0.98
	Luminance	5,227 LM
	Luminous Efficiency	130 LM/W
	CRI	>83
	Beam Angle	H: 108° V: 123°
	SDCM	<7
	UGR	<19
LED DRIVER	Brand	Arcata 2835
	Output Voltage	12-24 VDC
	Output Current	1.2A
	Driver Efficiency	88%
LED	LED Manufacturer	Edison
	LED Type	2835 SMD
	LED Quantity	238 PCS
	LED Efficacy	140 LM/W
	Color Temperature	4000K
LIFESPAN & ENVIRONMENT	Output Current	50mA Max; 37.5mA Applied
	Lifespan	50,000+ Hrs.
	Warranty	5 Years
	IP Rating	IP21 Dry Locations
	Operating Temperature	-20℃---+40℃
SAFETY&EMC	Storage Temperature, Humidity	-40℃---+80℃ , 10---90% RH
	Safety Norms	UL1598, UL8750, EN60598, EN61347-2-13, EN62031, EN62471
	Withstand Voltage	1/P-PG: 2121VDC
	Grounding Resistance	25A 100mΩ
OTHERS	Electromagnetic Compatibility	EN55015, EN61000-2-3, EN61000-3-3, EN61547
	Dimension	Pls refer to attached dimension drawing
	Net Weight	0.68G
	Gross Weight	0.88G
	Qty / Carton 纸箱	4 PCS
	Volume	0.530m³/carton
Housing Color		White
Main Structure		Aluminium Frame + Polystyrene Lens

Report No.:

Test Time: 2017-01-05 09:11

Luminaire Property

Luminaire Manufacturer:

Luminaire Category: LED

Luminaire Description: 71932

Lamp Catalog: 2835/ACT

Luminous Length (mm): 1187

Luminous Height (mm): 88

Current: 0.342 A

Power Factor: 0.992

Lamp Description: 2835/4000K

Luminous Width (mm): 169

Voltage: 119.5 V

Power: 40.57 W

Photometric Results

CIE Class: Direct

Measurement Flux: 5375.8 lm

Downward Ratio: 91%

Field Angle: H158.1 V221.2

Luminaire Efficacy Rating (LER): 133

Max. Intensity: 1591.05 cd

Total Rated Lamp Lumens: 5375.8 lm

Efficiency: 100%

Upward Ratio: 9%

Beam Angle: H106.8 V121.5

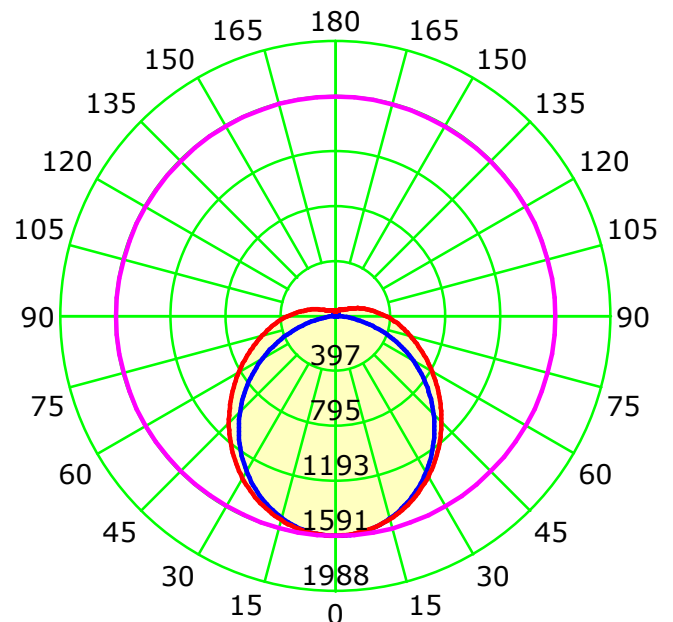
Central Intensity: 1591.04 cd

Pos of Max. Intensity: H0 V0

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

— C0-C180 — C90-C270 — G0

C Plane (°): 0.0-360.0: 30.0

Test Lab: JIANGMEN

Test Type: TYPE C

Temperature: 35

Operator: R

Gamma Plane (°): 0.0-180.0: 1.0

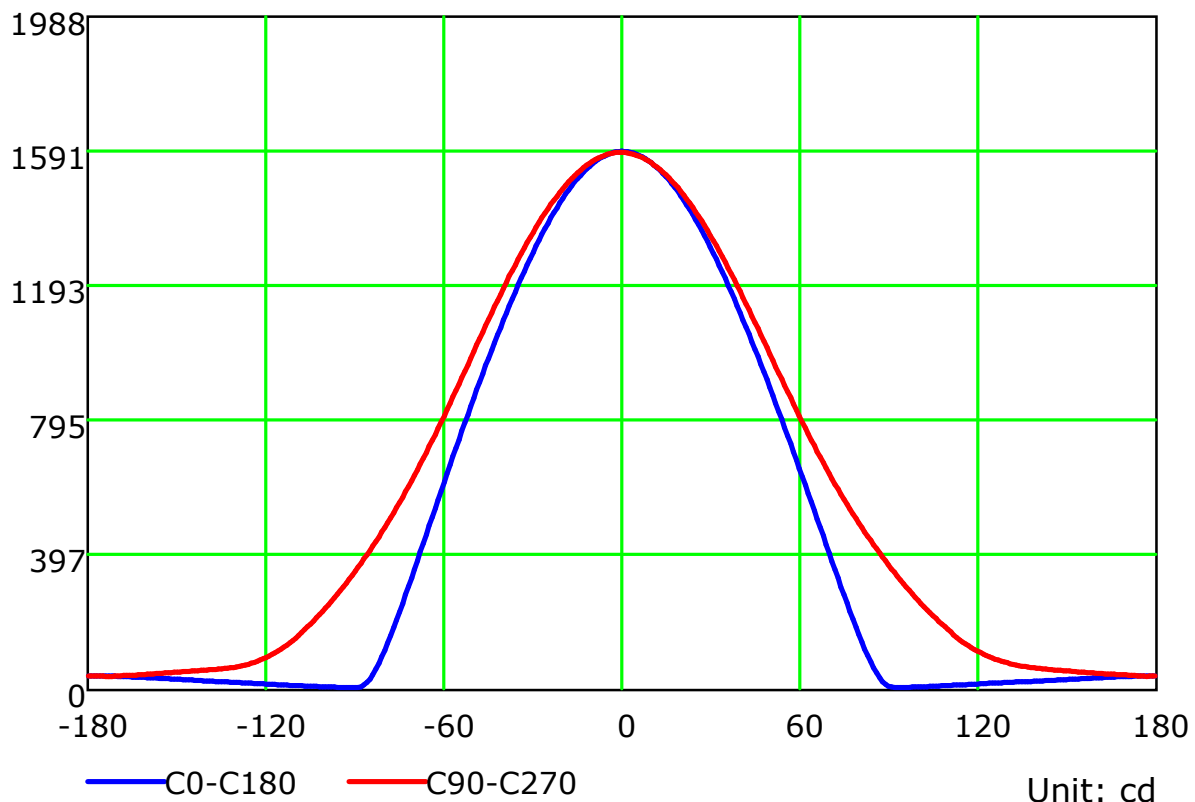
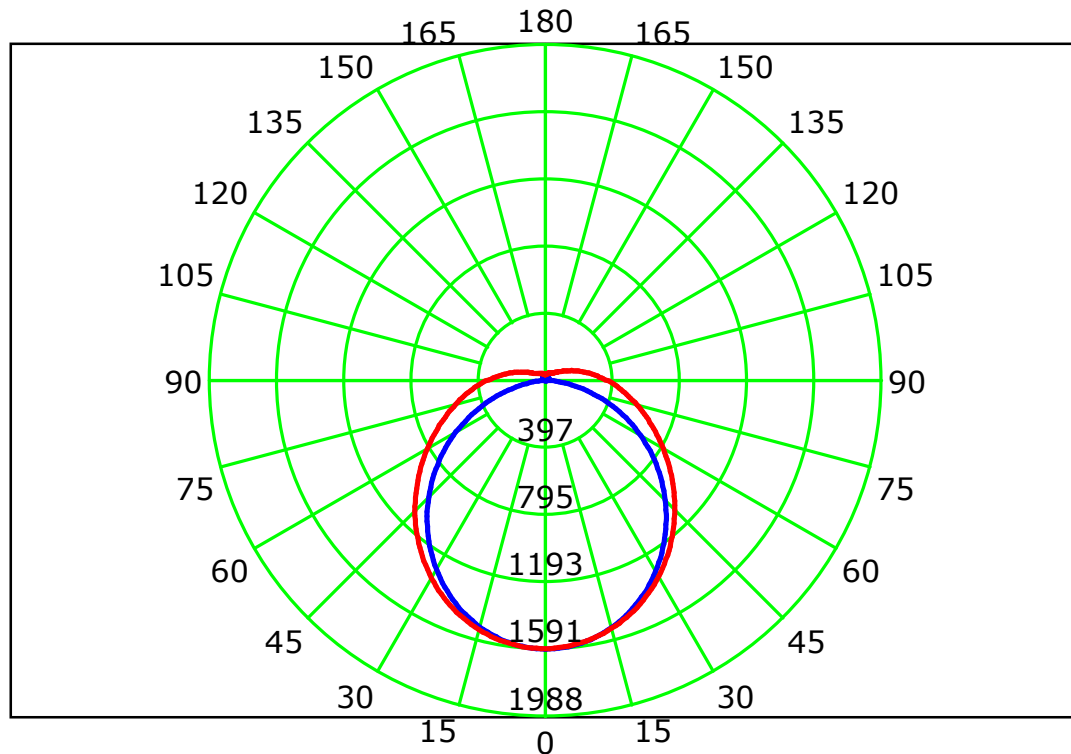
Test Device: GPM-1600L

Distance: 8.690 m

Humidity: 45-75

Inspector:

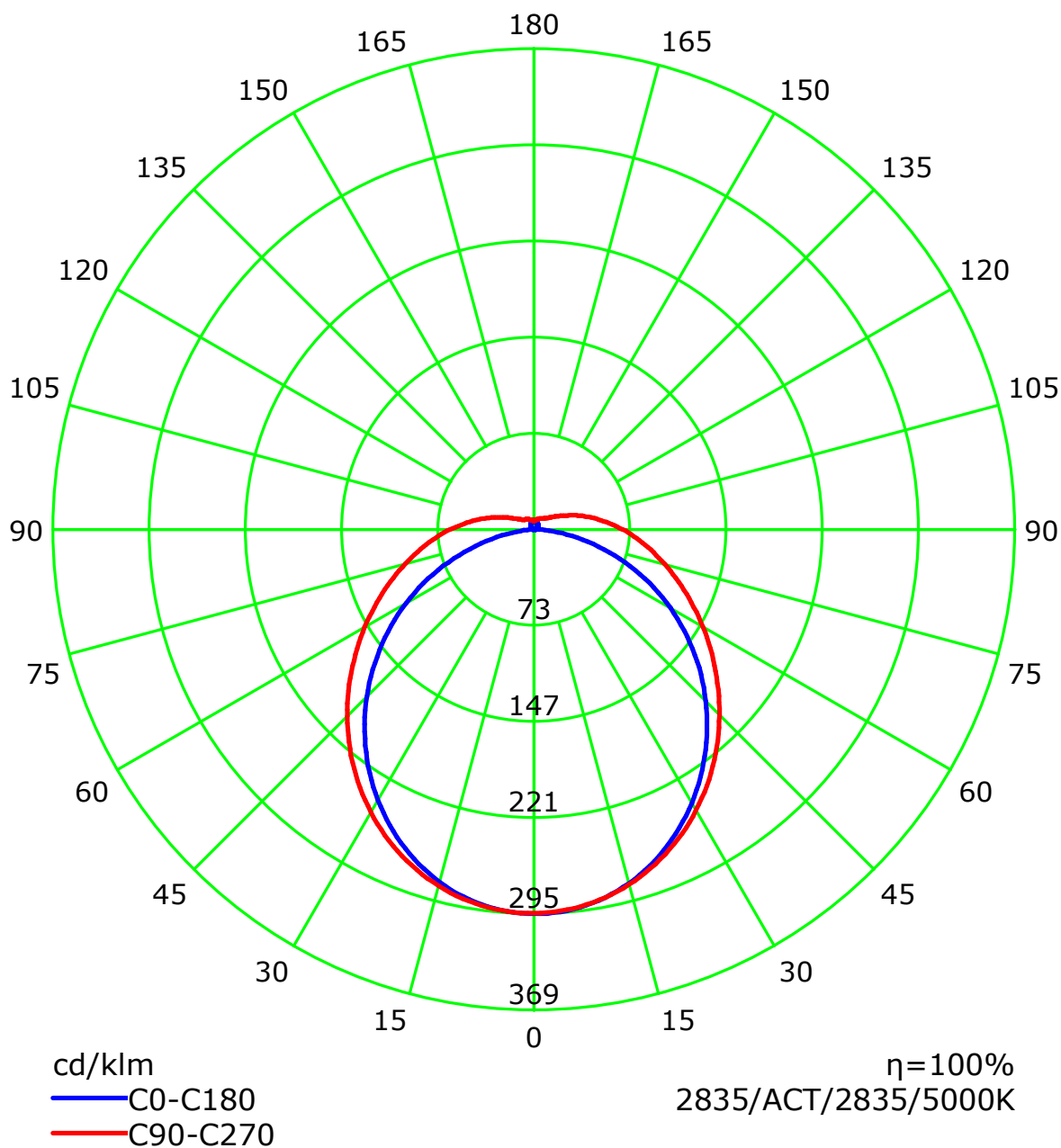
Luminous Intensity Distribution Curve



C Plane (°): 0.0-360.0: 30.0
Test Lab: JIANGMEN
Test Type: TYPE C
Temperature: 35
Operator: R

Gamma Plane (°): 0.0-180.0: 1.0
Test Device: GPM-1600L
Distance: 8.690 m
Humidity: 45-75
Inspector:

Luminous Intensity Distribution Curve(cd/klm)



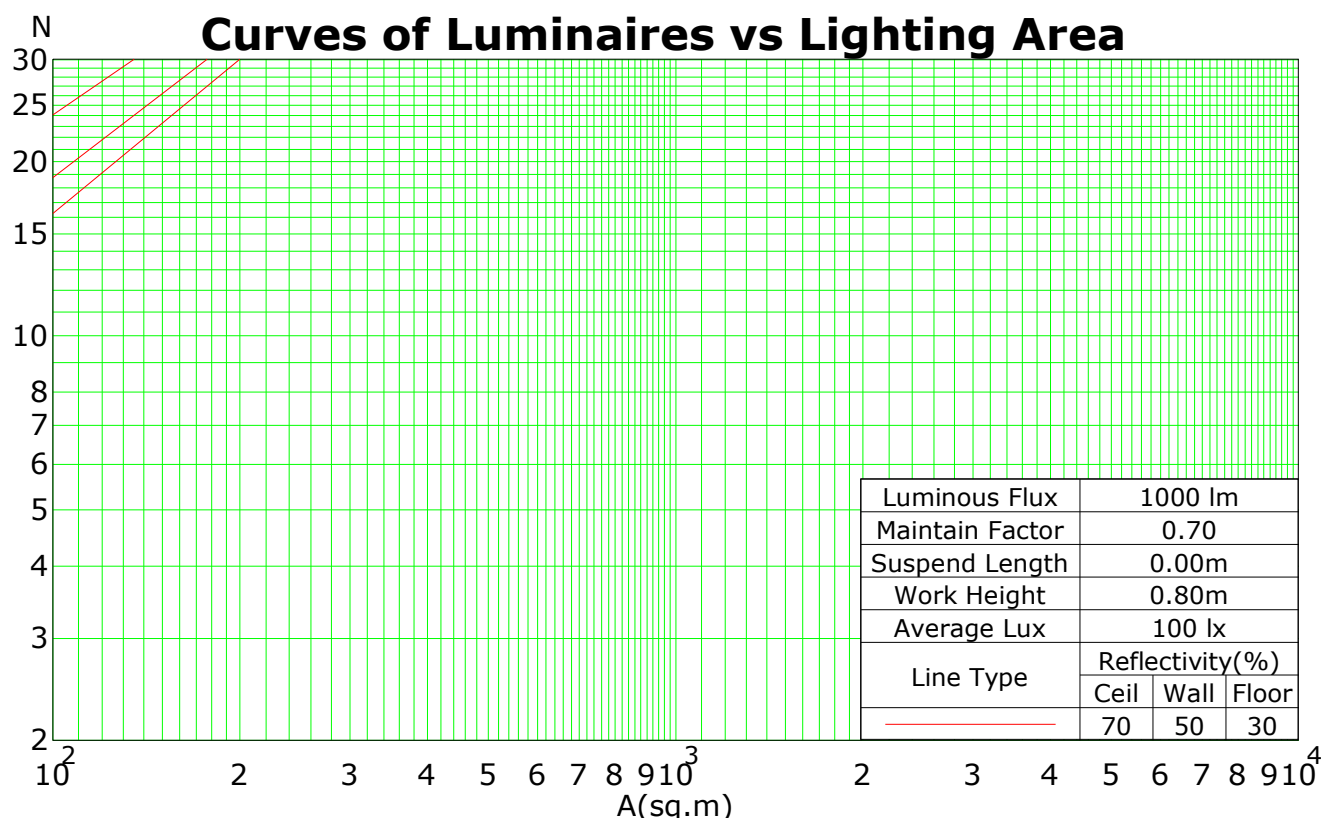
Coefficients Of Utilization - Zonal Cavity Method

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	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	91
1	105	99	94	90	101	96	92	88	90	87	83	85	82	79	80	77	75	72
2	95	86	78	72	91	83	76	71	78	72	68	73	69	65	69	65	62	59
3	86	75	66	60	83	73	65	58	68	62	56	64	59	54	61	56	52	49
4	79	66	57	50	76	64	56	49	61	53	48	57	51	46	54	49	44	42
5	72	59	50	43	70	57	49	42	54	47	41	51	45	40	48	43	38	36
6	67	53	44	37	64	52	43	37	49	41	36	46	40	35	44	38	34	31
7	62	48	39	33	60	47	38	32	44	37	32	42	36	31	40	34	30	28
8	58	44	35	29	55	43	35	29	41	33	28	39	32	27	37	31	27	25
9	54	40	32	26	52	39	31	26	37	30	25	36	29	25	34	28	24	22
10	50	37	29	24	49	36	29	23	35	28	23	33	27	22	32	26	22	20

Spacing Criteria (0-180): 1.22

Spacing Criteria (90-270): 1.26

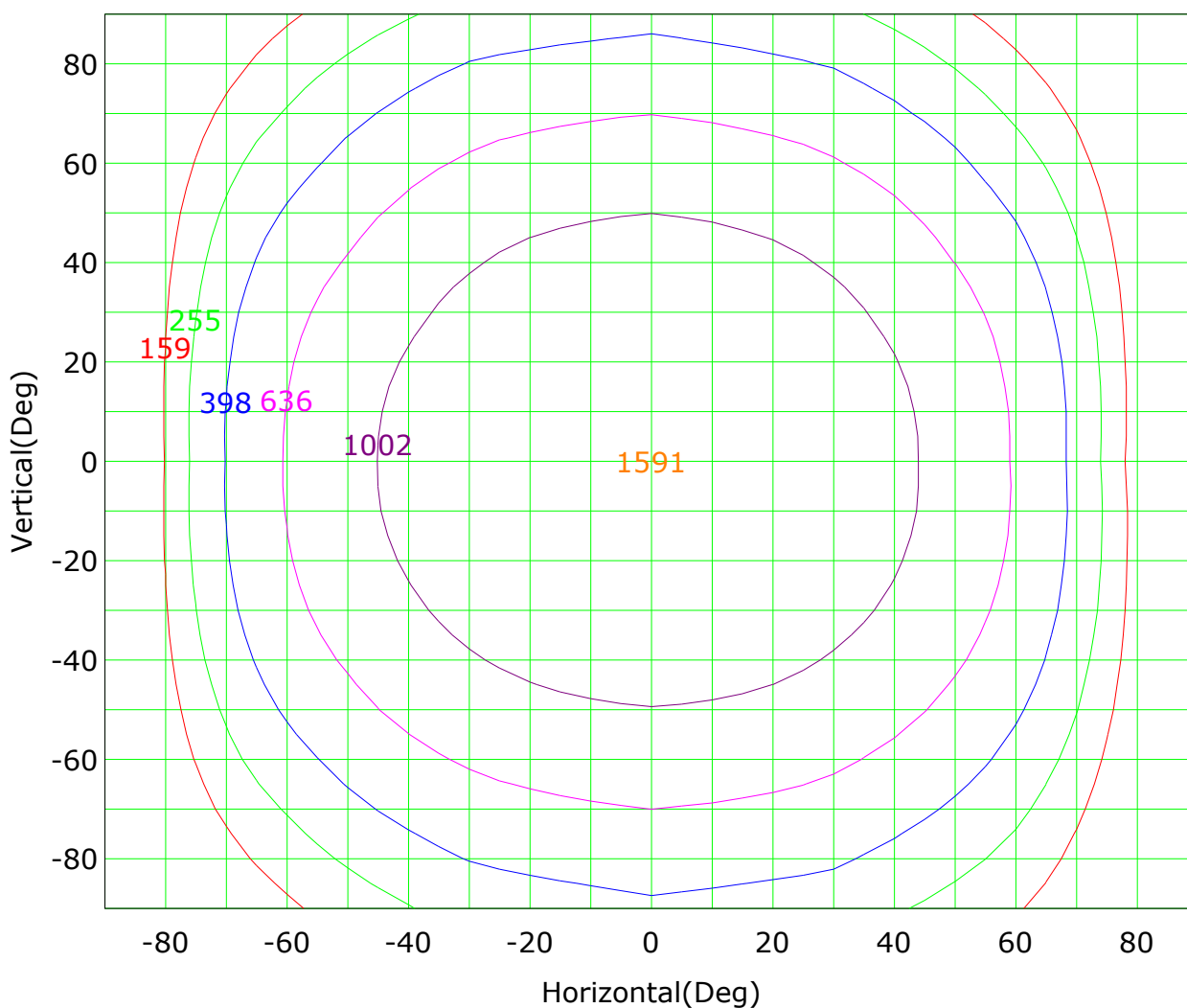
Spacing Criteria (Diagonal): 1.36



C Plane (°): 0.0-360.0: 30.0
Test Lab: JIANGMEN
Test Type: TYPE C
Temperature: 35
Operator: R

Gamma Plane (°): 0.0-180.0: 1.0
Test Device: GPM-1600L
Distance: 8.690 m
Humidity: 45-75
Inspector:

Isocandela (rectangle)



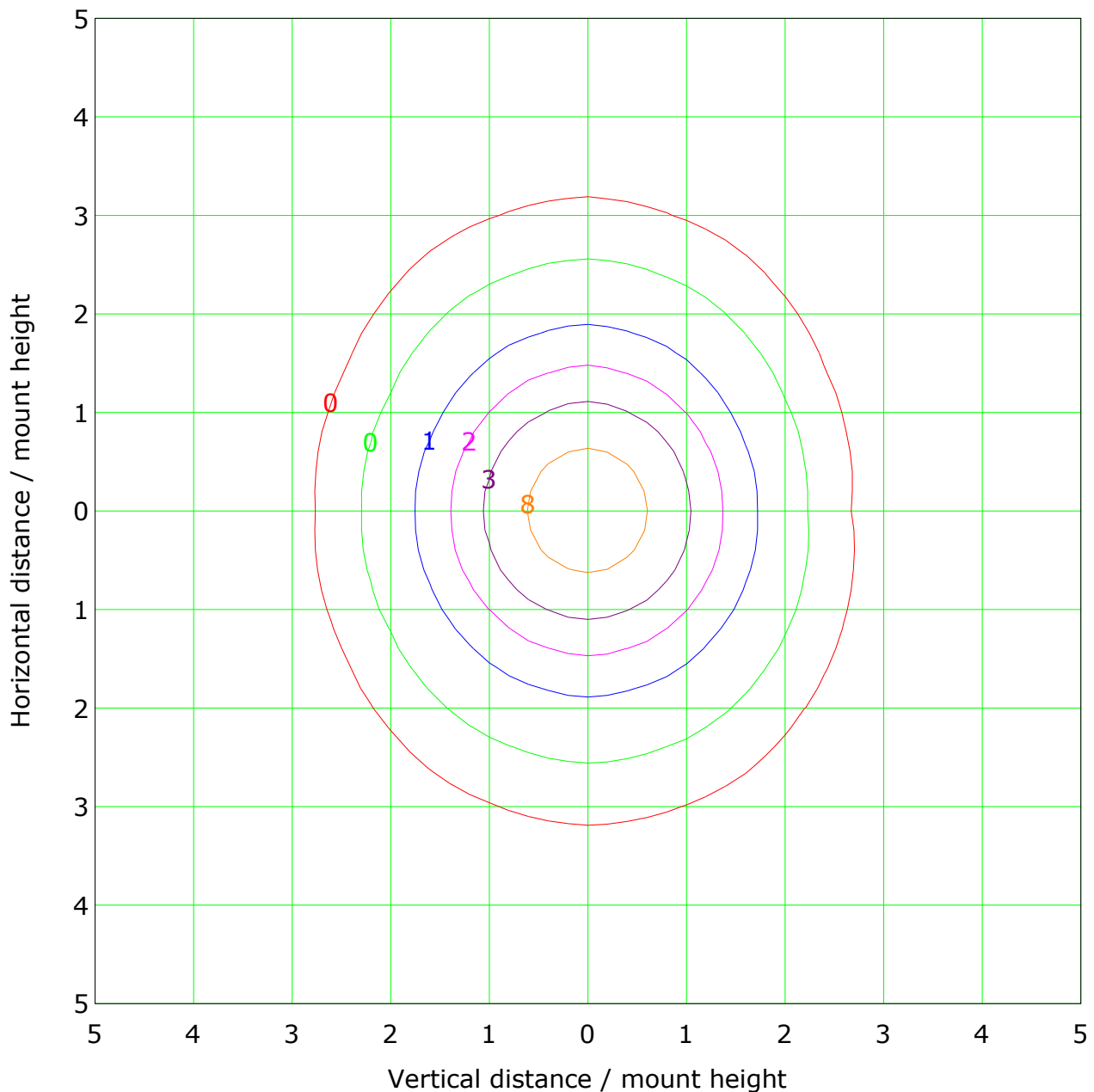
Imax (100%): 1591 cd

(10%): 159 cd	(16%): 255 cd
(25%): 398 cd	(40%): 636 cd
(63%): 1002 cd	(100%): 1591 cd

C Plane (°):0.0-360.0: 30.0
Test Lab: JIANGMEN
Test Type: TYPE C
Temperature: 35
Operator: R

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.690 m
Humidity: 45-75
Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 15.9 lx	
(1%): 0.2 lx	(2%): 0.3 lx
(5%): 0.8 lx	(10%): 1.6 lx
(20%): 3.2 lx	(50%): 8.0 lx
(100%): 15.9 lx	

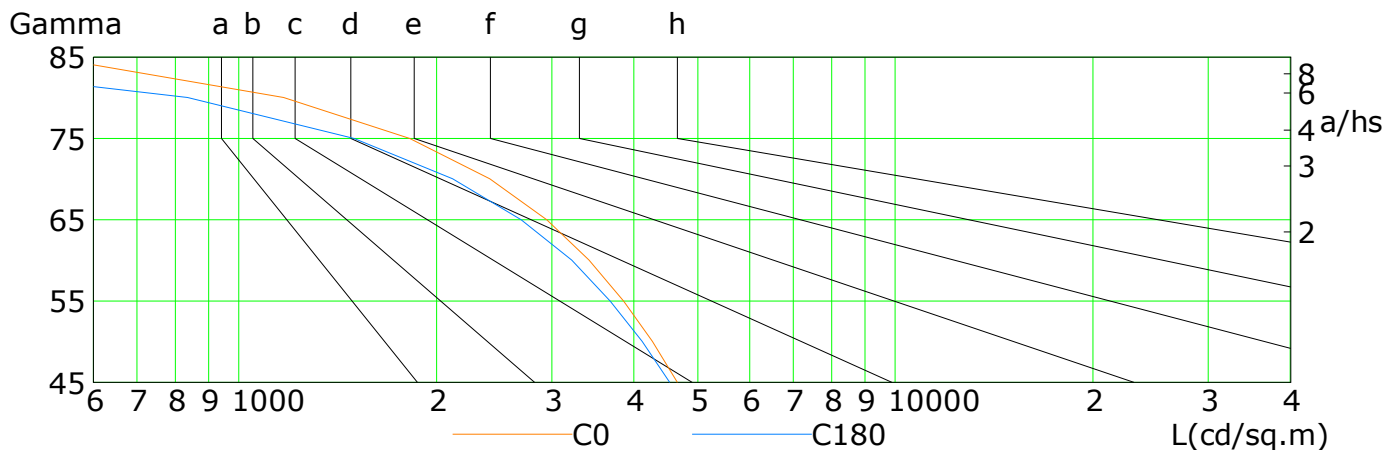
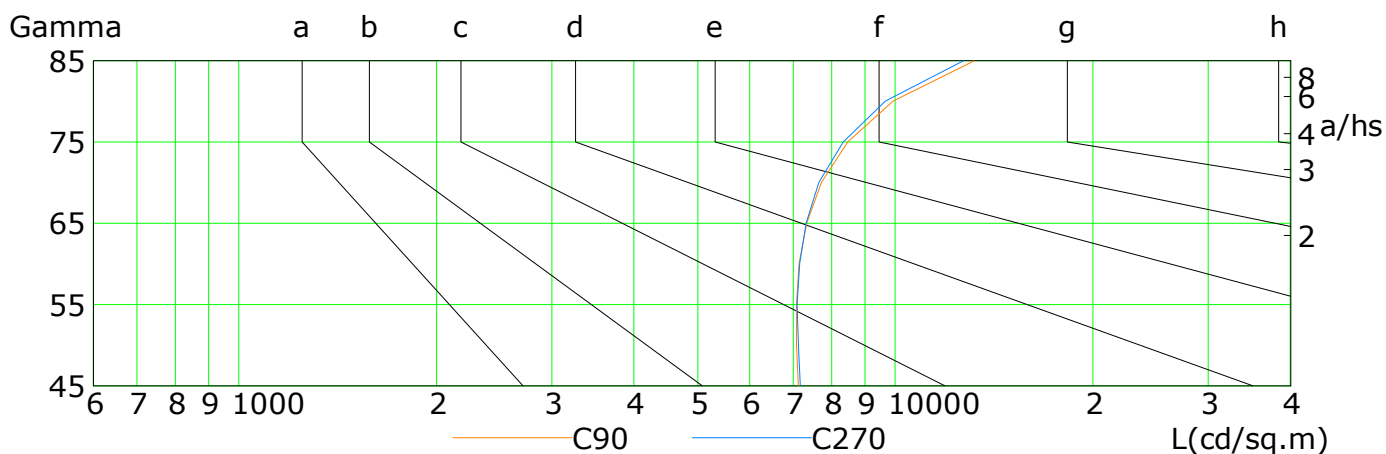
C Plane (°):0.0-360.0: 30.0
Test Lab: JIANGMEN
Test Type: TYPE C
Temperature: 35
Operator: R

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.690 m
Humidity: 45-75
Inspector:

Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300

a b c d e f g h

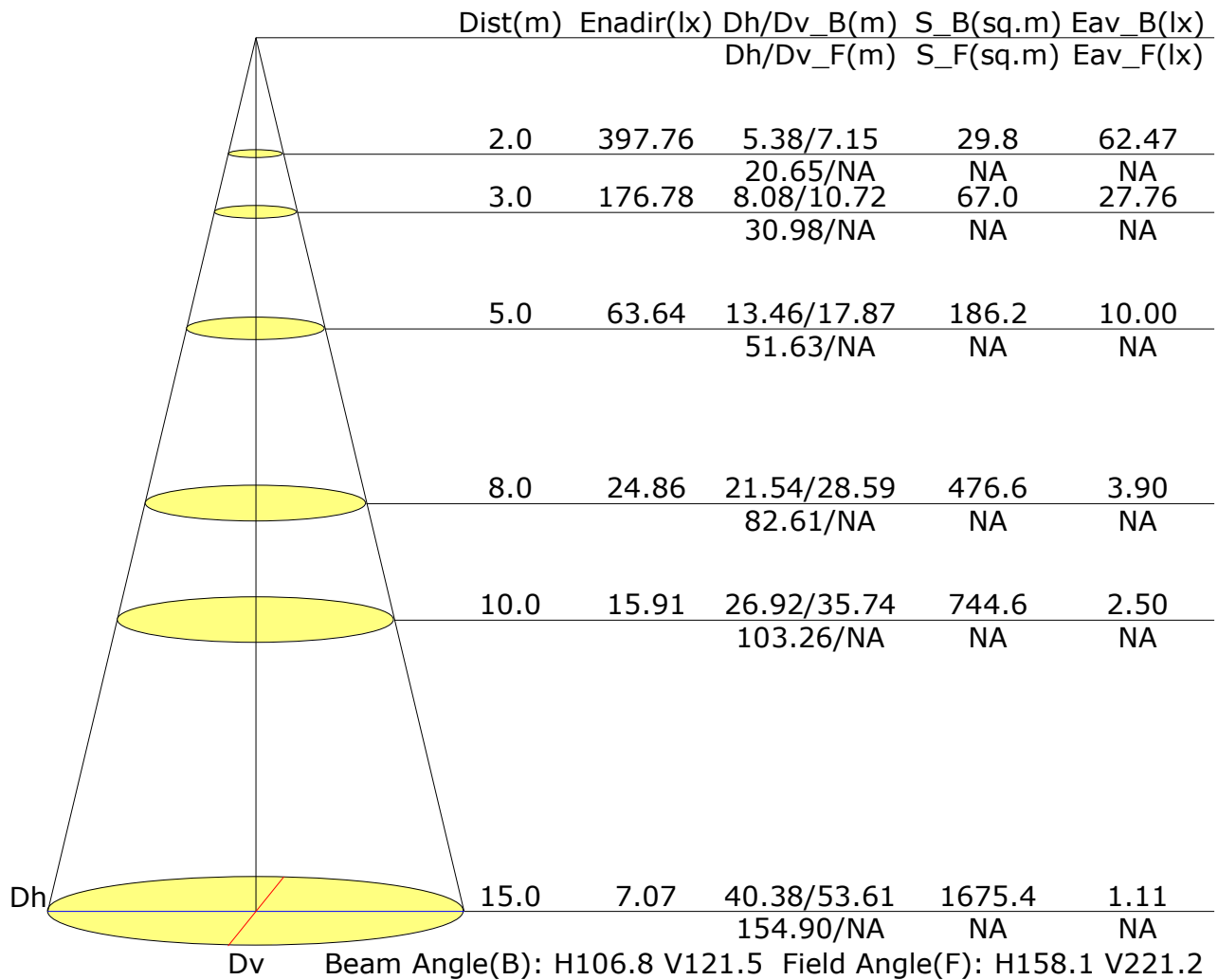


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	4659	4271	3858	3420	2944	2413	1823	1172	519
C90	7120	7066	7065	7136	7325	7715	8463	9930	13212
C180	4538	4120	3680	3213	2695	2119	1499	835	248
C270	7176	7115	7092	7145	7307	7654	8329	9660	12718

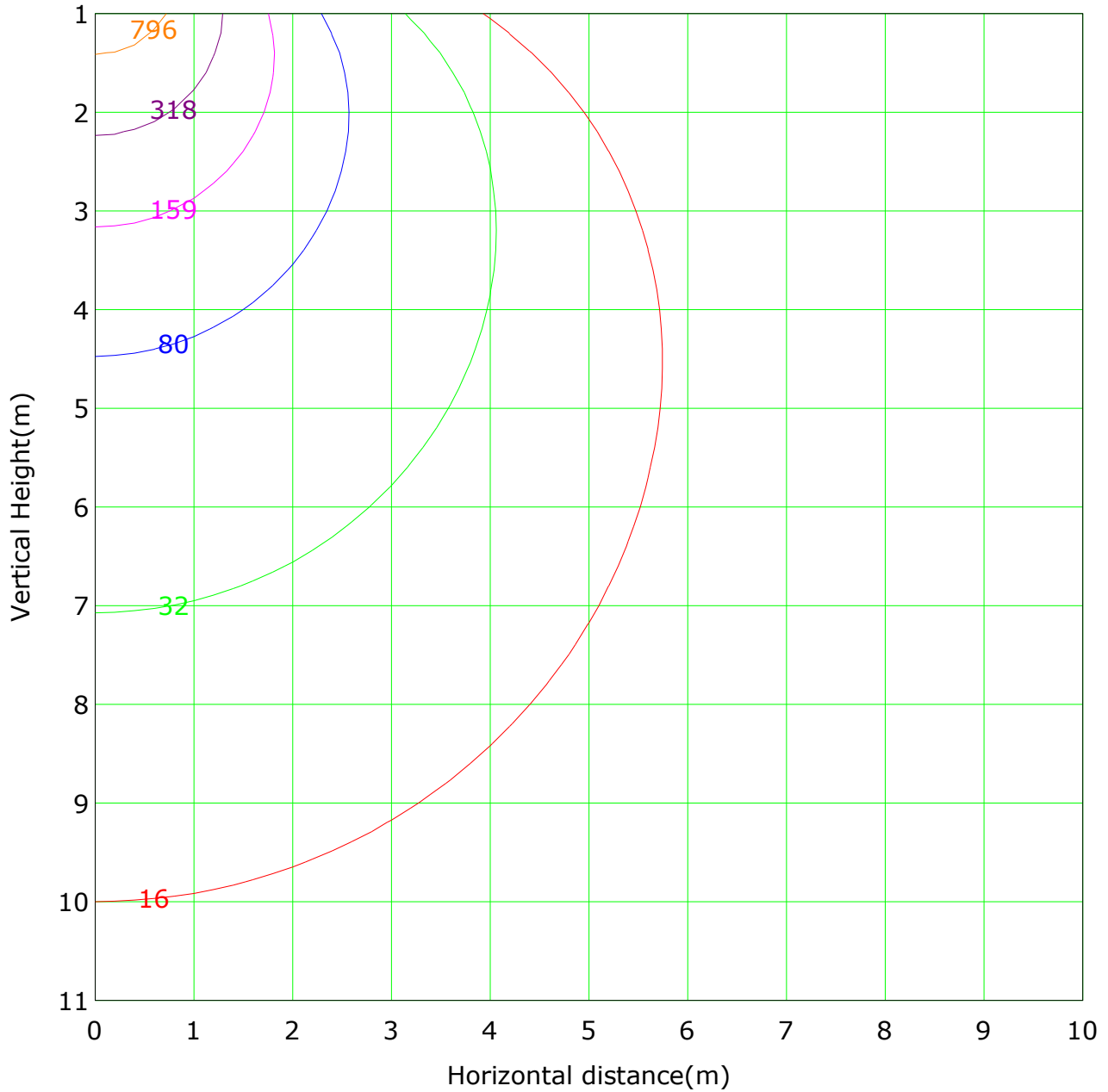
C Plane (°):0.0-360.0: 30.0
Test Lab: JIANGMEN
Test Type: TYPE C
Temperature: 35
Operator: R

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.690 m
Humidity: 45-75
Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 1591.0 lx
 (1%): 15.9 lx (2%): 31.8 lx
 (5%): 79.6 lx (10%): 159.1 lx
 (20%): 318.2 lx (50%): 795.5 lx
 (100%): 1591.0 lx

Area Flux Table

Unit: lm

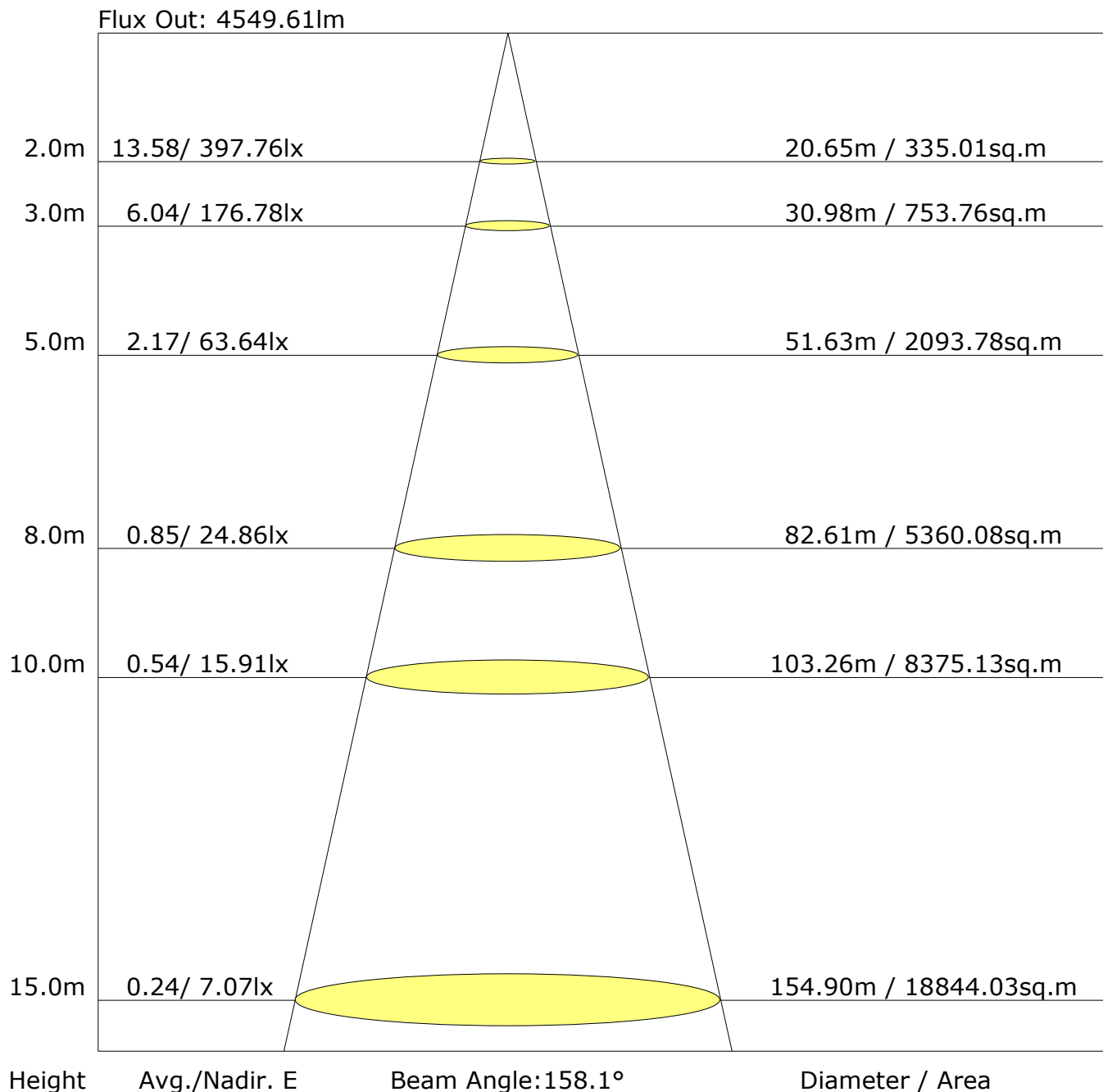
Vertical plane		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90
Flux(T)	Flux(E)	0.1	0.6	1.6	3.1	5.2	7.5	9.6	11.0	12.1	12.2	11.2	9.9	8.0	5.6	3.6	1.9	0.7	0.1	104.0
2.6	25.4	0.1	0.7	2.2	4.3	7.1	10.2	13.0	15.0	16.4	16.4	15.2	13.4	10.7	7.6	4.8	2.5	0.9	0.1	140.5
2.6	25.4	0.1	0.9	2.9	5.7	9.4	13.4	17.0	19.6	21.4	21.4	19.9	17.4	13.8	9.8	6.1	3.2	1.2	0.2	183.3
2.6	25.4	0.1	1.2	3.6	7.2	11.8	16.8	21.4	24.8	26.9	27.0	25.0	21.8	17.2	12.2	7.6	4.1	1.5	0.2	230.7
2.6	25.4	0.1	1.4	4.4	8.8	14.4	20.4	26.0	30.2	32.7	32.8	30.4	26.3	20.7	14.7	9.2	4.9	1.7	0.2	279.5
2.6	25.4	0.2	1.6	5.2	10.4	16.7	23.7	30.3	35.3	38.1	38.2	35.4	30.5	24.0	17.1	10.8	5.6	2.0	0.2	325.3
2.6	25.4	0.2	1.8	5.8	11.6	18.8	26.5	33.8	39.5	42.6	42.7	39.6	34.0	26.8	19.2	12.1	6.2	2.2	0.3	363.6
2.6	25.4	0.2	1.9	6.2	12.5	20.3	28.6	36.4	42.5	45.8	45.9	42.5	36.5	28.9	20.8	13.0	6.7	2.3	0.3	391.2
2.6	25.4	0.2	1.9	6.3	12.9	21.0	29.7	37.8	44.0	47.5	47.5	44.1	38.0	30.1	21.6	13.5	6.9	2.3	0.3	405.7
2.6	25.4	0.2	2.0	6.4	13.0	21.1	29.8	37.8	44.0	47.4	47.5	44.2	38.1	30.1	21.6	13.5	6.9	2.3	0.3	406.1
2.6	25.4	0.2	2.0	6.3	12.7	20.6	28.9	36.5	42.5	45.7	45.7	42.5	36.6	29.1	20.9	13.1	6.7	2.3	0.3	392.4
2.6	25.4	0.2	1.9	6.0	12.0	19.3	26.9	34.0	39.5	42.4	42.4	39.5	34.0	27.0	19.4	12.2	6.3	2.2	0.3	365.4
2.6	25.4	0.2	1.8	5.4	10.8	17.4	24.2	30.6	35.4	37.9	37.9	35.2	30.4	24.2	17.3	11.0	5.7	2.0	0.2	327.5
2.6	25.4	0.2	1.6	4.8	9.5	15.1	21.0	26.4	30.4	32.6	32.5	30.2	26.2	20.8	14.9	9.4	4.9	1.7	0.2	282.2
2.6	25.4	0.1	1.3	4.1	7.9	12.6	17.5	21.9	25.1	26.9	26.9	24.9	21.6	17.2	12.4	7.8	4.1	1.5	0.2	234.1
2.6	25.4	0.1	1.1	3.3	6.5	10.2	14.1	17.6	20.1	21.5	21.5	19.8	17.3	13.7	9.8	6.2	3.3	1.2	0.2	187.5
2.6	25.4	0.1	0.9	2.6	5.1	8.0	11.1	13.8	15.6	16.8	16.7	15.3	13.4	10.7	7.6	4.7	2.5	0.9	0.1	145.9
2.6	25.4	0.1	0.8	2.1	3.9	6.1	8.5	10.5	11.8	12.7	12.6	11.5	10.1	8.0	5.7	3.5	1.9	0.7	0.1	110.5
2.6	25.4	0.0	18.2	75.7	157.6	255.0	358.9	454.4	526.2	567.7	567.7	526.6	455.4	361.0	258.1	162.1	81.1	24.2	0.0	4850

Horizontal plane

C Plane (°): 0.0-360.0: 30.0
Test Lab: JIANGMEN
Test Type: TYPE C
Temperature: 35
Operator: R

Gamma Plane (°): 0.0-180.0: 1.0
Test Device: GPM-1600L
Distance: 8.690 m
Humidity: 45-75
Inspector:

The Average Illuminance Effective Figure



UGR Table

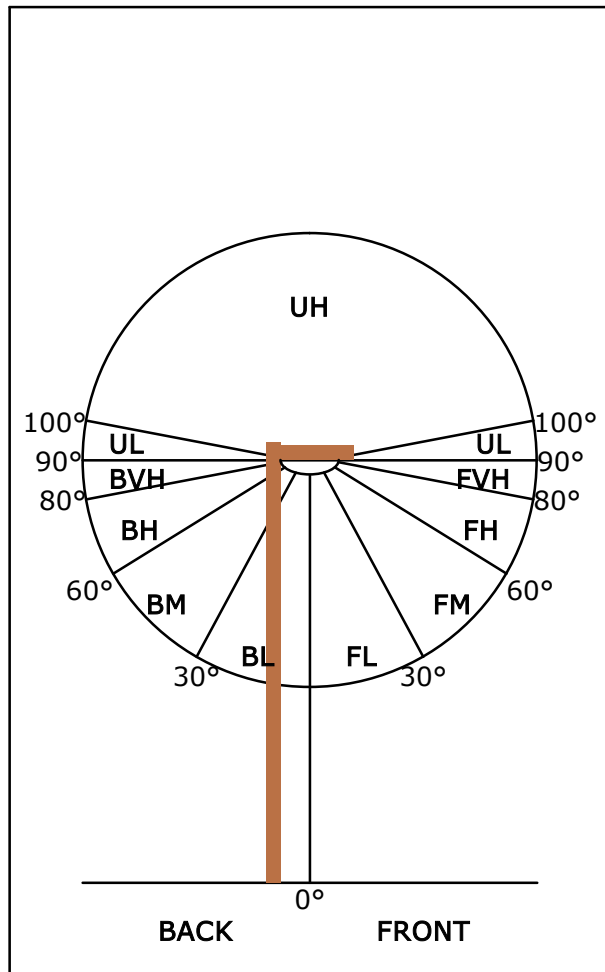
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	10.8	12.2	11.3	12.7	13.3	10.7	12.2	11.2	12.7	13.3
3H	12.5	13.9	13.0	14.4	14.9	12.8	14.2	13.3	14.7	15.3
4H	13.2	14.4	13.7	15.0	15.5	13.8	15.1	14.3	15.6	16.2
6H	13.6	14.8	14.1	15.3	15.9	14.7	15.9	15.2	16.4	17.0
8H	13.7	14.9	14.3	15.4	16.0	15.1	16.3	15.7	16.8	17.4
12H	13.8	14.9	14.4	15.4	16.1	15.5	16.6	16.1	17.2	17.8
X=4H Y=2H	11.3	12.6	11.9	13.1	13.7	11.3	12.6	11.9	13.1	13.7
3H	13.3	14.4	13.8	14.9	15.5	13.7	14.7	14.2	15.3	15.9
4H	14.0	15.0	14.6	15.6	16.2	14.8	15.8	15.3	16.3	17.0
6H	14.6	15.5	15.2	16.1	16.8	15.9	16.7	16.5	17.3	18.0
8H	14.8	15.6	15.4	16.2	16.9	16.4	17.2	17.0	17.8	18.5
12H	14.9	15.7	15.5	16.3	17.0	16.9	17.7	17.5	18.3	19.0
X=8H Y=4H	14.4	15.3	15.0	15.9	16.5	15.1	15.9	15.7	16.5	17.2
6H	15.2	15.9	15.8	16.5	17.2	16.4	17.1	17.0	17.7	18.4
8H	15.5	16.1	16.1	16.7	17.4	17.0	17.7	17.7	18.3	19.0
12H	15.7	16.3	16.3	16.9	17.6	17.7	18.3	18.4	18.9	19.7
X=12H Y=4H	14.5	15.3	15.1	15.9	16.6	15.1	15.9	15.7	16.5	17.2
6H	15.3	16.0	16.0	16.6	17.3	16.5	17.1	17.1	17.7	18.5
8H	15.7	16.3	16.3	16.9	17.7	17.2	17.8	17.9	18.4	19.2

Calculate in accordance with CIE 190:2010

C Plane (°): 0.0-360.0: 30.0
Test Lab: JIANGMEN
Test Type: TYPE C
Temperature: 35
Operator: R

Gamma Plane (°): 0.0-180.0: 1.0
Test Device: GPM-1600L
Distance: 8.690 m
Humidity: 45-75
Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM



ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	2452	45.6
FL (0°-30°)	611	11.4
FM (30°-60°)	1158	21.5
FH (60°-80°)	532	9.9
FVH (80°-90°)	150	2.8
BACK LIGHT	2424	45.1
BL (0°-30°)	612	11.4
BM (30°-60°)	1153	21.4
BH (60°-80°)	519	9.6
BVH (80°-90°)	141	2.6
UP LIGHT	500	9.3
UL (90°-100°)	183	3.4
UH (100°-180°)	317	5.9
TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B2 U3 G2
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B2 U3 G1

C Plane (°):0.0-360.0: 30.0
Test Lab: JIANGMEN
Test Type: TYPE C
Temperature: 35
Operator: R

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.690 m
Humidity: 45-75
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	0.52	0.62	0.69	0.74	0.81	0.86	0.90	0.94	0.98	
	0.30		0.44	0.54	0.61	0.66	0.74	0.80	0.84	0.90	0.93	
	0.20		0.38	0.48	0.55	0.60	0.69	0.75	0.79	0.85	0.90	
0.50	0.50	0.20	0.49	0.59	0.65	0.70	0.76	0.81	0.84	0.89	0.92	
	0.30		0.42	0.52	0.58	0.63	0.71	0.76	0.80	0.85	0.88	
	0.20		0.37	0.46	0.53	0.58	0.66	0.71	0.75	0.81	0.85	
0.30	0.50	0.20	0.47	0.56	0.62	0.66	0.72	0.76	0.79	0.83	0.86	
	0.30		0.41	0.50	0.56	0.61	0.67	0.72	0.76	0.80	0.83	
	0.20		0.36	0.45	0.51	0.56	0.63	0.68	0.72	0.77	0.81	
0.00	0.00	0.00	0.33	0.41	0.47	0.52	0.58	0.63	0.66	0.71	0.74	
Rating: 41W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												

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	1.02	0.85	0.74	0.65	0.53	0.45	0.39	0.31	0.26	
	0.30		0.85	0.73	0.64	0.58	0.48	0.41	0.36	0.29	0.24	
	0.20		0.73	0.64	0.57	0.52	0.44	0.38	0.34	0.27	0.23	
0.50	0.50	0.20	0.96	0.81	0.70	0.61	0.50	0.45	0.37	0.29	0.24	
	0.30		0.82	0.70	0.61	0.55	0.46	0.39	0.34	0.27	0.23	
	0.20		0.71	0.62	0.55	0.50	0.42	0.36	0.32	0.26	0.22	
0.30	0.50	0.20	0.92	0.76	0.66	0.58	0.47	0.40	0.34	0.27	0.23	
	0.30		0.78	0.67	0.59	0.52	0.43	0.37	0.32	0.26	0.22	
	0.20		0.69	0.60	0.53	0.48	0.40	0.35	0.31	0.25	0.21	
0.00	0.00	0.00	0.58	0.49	0.44	0.39	0.33	0.28	0.25	0.20	0.17	
Rating: 41W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												

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	0.26	0.27	0.28	0.28	0.29	0.30	0.30	0.31	0.31	
	0.30		0.19	0.20	0.21	0.22	0.24	0.25	0.26	0.27	0.28	
	0.20		0.13	0.15	0.16	0.18	0.19	0.21	0.22	0.24	0.25	
0.50	0.50	0.20	0.25	0.26	0.27	0.27	0.28	0.29	0.29	0.29	0.30	
	0.30		0.18	0.20	0.21	0.22	0.23	0.24	0.25	0.26	0.27	
	0.20		0.13	0.15	0.16	0.17	0.19	0.20	0.22	0.23	0.24	
0.30	0.50	0.20	0.24	0.25	0.26	0.26	0.27	0.27	0.28	0.28	0.28	
	0.30		0.18	0.19	0.20	0.21	0.23	0.24	0.24	0.25	0.26	
	0.20		0.13	0.15	0.16	0.17	0.19	0.20	0.21	0.23	0.24	
0.00	0.00	0.00	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	
Rating: 41W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												

Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	1588.0	1.5	1.5	0.03	0.03
1.0-2.0	1587.4	4.6	6.1	0.08	0.11
2.0-3.0	1586.1	7.6	13.7	0.14	0.25
3.0-4.0	1584.2	10.6	24.3	0.20	0.45
4.0-5.0	1581.6	13.6	37.9	0.25	0.70
5.0-6.0	1578.5	16.6	54.5	0.31	1.01
6.0-7.0	1574.7	19.5	74.0	0.36	1.38
7.0-8.0	1570.3	22.5	96.5	0.42	1.79
8.0-9.0	1565.2	25.4	121.9	0.47	2.27
9.0-10.0	1559.5	28.2	150.1	0.53	2.79
10.0-11.0	1553.3	31.0	181.1	0.58	3.37
11.0-12.0	1546.4	33.8	214.9	0.63	4.00
12.0-13.0	1539.0	36.5	251.5	0.68	4.68
13.0-14.0	1530.9	39.2	290.7	0.73	5.41
14.0-15.0	1522.3	41.8	332.5	0.78	6.18
15.0-16.0	1513.0	44.3	376.8	0.82	7.01
16.0-17.0	1503.2	46.8	423.6	0.87	7.88
17.0-18.0	1492.9	49.2	472.8	0.92	8.80
18.0-19.0	1482.0	51.6	524.4	0.96	9.76
19.0-20.0	1470.6	53.8	578.2	1.00	10.76
20.0-21.0	1458.8	56.0	634.3	1.04	11.80
21.0-22.0	1446.3	58.1	692.4	1.08	12.88
22.0-23.0	1433.5	60.2	752.6	1.12	14.00
23.0-24.0	1420.1	62.1	814.6	1.16	15.15
24.0-25.0	1406.1	63.9	878.6	1.19	16.34
25.0-26.0	1391.7	65.7	944.3	1.22	17.57
26.0-27.0	1376.9	67.4	1011.7	1.25	18.82
27.0-28.0	1361.7	69.0	1080.6	1.28	20.10
28.0-29.0	1346.1	70.4	1151.1	1.31	21.41
29.0-30.0	1329.9	71.8	1222.9	1.34	22.75
30.0-31.0	1313.4	73.1	1296.0	1.36	24.11
31.0-32.0	1296.6	74.3	1370.3	1.38	25.49
32.0-33.0	1279.3	75.4	1445.6	1.40	26.89
33.0-34.0	1261.7	76.4	1522.0	1.42	28.31
34.0-35.0	1243.7	77.3	1599.3	1.44	29.75
35.0-36.0	1225.4	78.0	1677.3	1.45	31.20

C Plane (°): 0.0-360.0: 30.0
Test Lab: JIANGMEN
Test Type: TYPE C
Temperature: 35
Operator: R

Gamma Plane (°): 0.0-180.0: 1.0
Test Device: GPM-1600L
Distance: 8.690 m
Humidity: 45-75
Inspector:

Zonal Lumen (Continue 1)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	1206.7	78.7	1756.0	1.46	32.67
37.0-38.0	1187.9	79.3	1835.3	1.48	34.14
38.0-39.0	1168.7	79.8	1915.1	1.48	35.62
39.0-40.0	1149.1	80.2	1995.2	1.49	37.12
40.0-41.0	1129.3	80.4	2075.7	1.50	38.61
41.0-42.0	1109.4	80.6	2156.3	1.50	40.11
42.0-43.0	1089.2	80.7	2237.0	1.50	41.61
43.0-44.0	1068.7	80.7	2317.7	1.50	43.11
44.0-45.0	1048.1	80.6	2398.2	1.50	44.61
45.0-46.0	1027.4	80.4	2478.6	1.49	46.11
46.0-47.0	1006.6	80.1	2558.6	1.49	47.60
47.0-48.0	985.4	79.7	2638.3	1.48	49.08
48.0-49.0	964.2	79.2	2717.5	1.47	50.55
49.0-50.0	943.0	78.6	2796.1	1.46	52.01
50.0-51.0	921.5	78.0	2874.1	1.45	53.46
51.0-52.0	900.0	77.2	2951.3	1.44	54.90
52.0-53.0	878.6	76.4	3027.8	1.42	56.32
53.0-54.0	857.1	75.6	3103.3	1.41	57.73
54.0-55.0	835.5	74.6	3177.9	1.39	59.12
55.0-56.0	813.9	73.6	3251.5	1.37	60.48
56.0-57.0	792.4	72.5	3323.9	1.35	61.83
57.0-58.0	770.9	71.3	3395.2	1.33	63.16
58.0-59.0	749.4	70.1	3465.3	1.30	64.46
59.0-60.0	728.0	68.8	3534.1	1.28	65.74
60.0-61.0	706.7	67.4	3601.5	1.25	67.00
61.0-62.0	685.4	66.1	3667.6	1.23	68.22
62.0-63.0	664.2	64.6	3732.2	1.20	69.43
63.0-64.0	643.3	63.1	3795.3	1.17	70.60
64.0-65.0	622.6	61.6	3857.0	1.15	71.75
65.0-66.0	602.0	60.1	3917.0	1.12	72.86
66.0-67.0	581.5	58.5	3975.5	1.09	73.95
67.0-68.0	561.3	56.9	4032.4	1.06	75.01
68.0-69.0	541.4	55.2	4087.6	1.03	76.04
69.0-70.0	521.6	53.6	4141.2	1.00	77.03
70.0-71.0	502.2	51.9	4193.1	0.97	78.00
71.0-72.0	483.2	50.2	4243.4	0.93	78.93

C Plane (°): 0.0-360.0: 30.0
Test Lab: JIANGMEN
Test Type: TYPE C
Temperature: 35
Operator: R

Gamma Plane (°): 0.0-180.0: 1.0
Test Device: GPM-1600L
Distance: 8.690 m
Humidity: 45-75
Inspector:

Zonal Lumen (Continue 2)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	464.3	48.6	4291.9	0.90	79.84
73.0-74.0	445.8	46.9	4338.8	0.87	80.71
74.0-75.0	427.7	45.2	4384.0	0.84	81.55
75.0-76.0	409.9	43.5	4427.5	0.81	82.36
76.0-77.0	392.5	41.9	4469.4	0.78	83.14
77.0-78.0	375.6	40.2	4509.6	0.75	83.89
78.0-79.0	359.1	38.6	4548.2	0.72	84.60
79.0-80.0	343.0	37.0	4585.2	0.69	85.29
80.0-81.0	327.5	35.4	4620.6	0.66	85.95
81.0-82.0	312.3	33.9	4654.5	0.63	86.58
82.0-83.0	297.7	32.4	4686.8	0.60	87.18
83.0-84.0	283.7	30.9	4717.7	0.58	87.76
84.0-85.0	270.3	29.5	4747.2	0.55	88.31
85.0-86.0	257.6	28.2	4775.4	0.52	88.83
86.0-87.0	245.5	26.9	4802.3	0.50	89.33
87.0-88.0	234.1	25.6	4827.9	0.48	89.81
88.0-89.0	223.4	24.5	4852.4	0.46	90.26
89.0-90.0	213.4	23.4	4875.8	0.44	90.70
90.0-91.0	204.1	22.4	4898.2	0.42	91.12
91.0-92.0	195.2	21.4	4919.6	0.40	91.51
92.0-93.0	186.7	20.5	4940.0	0.38	91.89
93.0-94.0	178.5	19.5	4959.6	0.36	92.26
94.0-95.0	170.6	18.7	4978.2	0.35	92.60
95.0-96.0	163.1	17.8	4996.0	0.33	92.94
96.0-97.0	155.8	17.0	5013.0	0.32	93.25
97.0-98.0	148.8	16.2	5029.2	0.30	93.55
98.0-99.0	142.1	15.4	5044.6	0.29	93.84
99.0-100.0	135.7	14.7	5059.3	0.27	94.11
100.0-101.0	129.6	14.0	5073.2	0.26	94.37
101.0-102.0	123.7	13.3	5086.5	0.25	94.62
102.0-103.0	118.2	12.7	5099.2	0.24	94.85
103.0-104.0	112.9	12.0	5111.2	0.22	95.08
104.0-105.0	107.7	11.4	5122.7	0.21	95.29
105.0-106.0	102.7	10.9	5133.5	0.20	95.49
106.0-107.0	97.7	10.3	5143.8	0.19	95.68
107.0-108.0	92.9	9.7	5153.5	0.18	95.87

C Plane (°): 0.0-360.0: 30.0
Test Lab: JIANGMEN
Test Type: TYPE C
Temperature: 35
Operator: R

Gamma Plane (°): 0.0-180.0: 1.0
Test Device: GPM-1600L
Distance: 8.690 m
Humidity: 45-75
Inspector:

Zonal Lumen (Continue 3)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	88.4	9.2	5162.7	0.17	96.04
109.0-110.0	83.9	8.7	5171.4	0.16	96.20
110.0-111.0	79.7	8.2	5179.6	0.15	96.35
111.0-112.0	76.0	7.8	5187.3	0.14	96.49
112.0-113.0	72.6	7.4	5194.7	0.14	96.63
113.0-114.0	69.6	7.0	5201.7	0.13	96.76
114.0-115.0	67.0	6.7	5208.3	0.12	96.89
115.0-116.0	64.6	6.4	5214.7	0.12	97.00
116.0-117.0	62.4	6.1	5220.9	0.11	97.12
117.0-118.0	60.4	5.9	5226.7	0.11	97.23
118.0-119.0	58.6	5.6	5232.4	0.11	97.33
119.0-120.0	56.9	5.4	5237.8	0.10	97.43
120.0-121.0	55.4	5.2	5243.1	0.10	97.53
121.0-122.0	54.0	5.0	5248.1	0.09	97.62
122.0-123.0	52.7	4.9	5253.0	0.09	97.72
123.0-124.0	51.5	4.7	5257.7	0.09	97.80
124.0-125.0	50.4	4.6	5262.2	0.08	97.89
125.0-126.0	49.4	4.4	5266.7	0.08	97.97
126.0-127.0	48.4	4.3	5270.9	0.08	98.05
127.0-128.0	47.6	4.1	5275.1	0.08	98.13
128.0-129.0	46.8	4.0	5279.1	0.07	98.20
129.0-130.0	46.3	3.9	5283.0	0.07	98.27
130.0-131.0	45.8	3.8	5286.8	0.07	98.34
131.0-132.0	45.3	3.7	5290.5	0.07	98.41
132.0-133.0	44.9	3.6	5294.2	0.07	98.48
133.0-134.0	44.4	3.5	5297.7	0.07	98.55
134.0-135.0	44.0	3.4	5301.1	0.06	98.61
135.0-136.0	43.7	3.4	5304.5	0.06	98.67
136.0-137.0	43.3	3.3	5307.8	0.06	98.73
137.0-138.0	43.0	3.2	5310.9	0.06	98.79
138.0-139.0	42.7	3.1	5314.1	0.06	98.85
139.0-140.0	42.4	3.0	5317.1	0.06	98.91
140.0-141.0	42.1	2.9	5320.0	0.05	98.96
141.0-142.0	41.9	2.9	5322.9	0.05	99.02
142.0-143.0	41.6	2.8	5325.6	0.05	99.07
143.0-144.0	41.4	2.7	5328.4	0.05	99.12

C Plane (°): 0.0-360.0: 30.0
Test Lab: JIANGMEN
Test Type: TYPE C
Temperature: 35
Operator: R

Gamma Plane (°): 0.0-180.0: 1.0
Test Device: GPM-1600L
Distance: 8.690 m
Humidity: 45-75
Inspector:

Zonal Lumen (Continue 4)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	41.3	2.6	5331.0	0.05	99.17
145.0-146.0	41.1	2.6	5333.5	0.05	99.21
146.0-147.0	41.0	2.5	5336.0	0.05	99.26
147.0-148.0	40.9	2.4	5338.4	0.04	99.31
148.0-149.0	40.7	2.3	5340.8	0.04	99.35
149.0-150.0	40.6	2.3	5343.0	0.04	99.39
150.0-151.0	40.5	2.2	5345.2	0.04	99.43
151.0-152.0	40.3	2.1	5347.3	0.04	99.47
152.0-153.0	40.1	2.0	5349.3	0.04	99.51
153.0-154.0	39.9	2.0	5351.3	0.04	99.54
154.0-155.0	39.8	1.9	5353.2	0.03	99.58
155.0-156.0	39.6	1.8	5355.0	0.03	99.61
156.0-157.0	39.3	1.7	5356.7	0.03	99.64
157.0-158.0	39.1	1.6	5358.3	0.03	99.68
158.0-159.0	38.9	1.6	5359.9	0.03	99.70
159.0-160.0	38.7	1.5	5361.4	0.03	99.73
160.0-161.0	38.5	1.4	5362.8	0.03	99.76
161.0-162.0	38.4	1.3	5364.1	0.02	99.78
162.0-163.0	38.2	1.3	5365.4	0.02	99.81
163.0-164.0	38.1	1.2	5366.6	0.02	99.83
164.0-165.0	38.0	1.1	5367.7	0.02	99.85
165.0-166.0	38.0	1.0	5368.7	0.02	99.87
166.0-167.0	37.9	1.0	5369.7	0.02	99.89
167.0-168.0	37.9	0.9	5370.6	0.02	99.90
168.0-169.0	37.8	0.8	5371.4	0.02	99.92
169.0-170.0	37.8	0.8	5372.2	0.01	99.93
170.0-171.0	37.7	0.7	5372.9	0.01	99.95
171.0-172.0	37.6	0.6	5373.5	0.01	99.96
172.0-173.0	37.5	0.5	5374.0	0.01	99.97
173.0-174.0	37.5	0.5	5374.5	0.01	99.98
174.0-175.0	37.7	0.4	5374.9	0.01	99.98
175.0-176.0	37.9	0.3	5375.2	0.01	99.99
176.0-177.0	38.1	0.3	5375.5	0.00	99.99
177.0-178.0	38.3	0.2	5375.6	0.00	100.00
178.0-179.0	38.4	0.1	5375.8	0.00	100.00
179.0-180.0	38.4	0.0	5375.8	0.00	100.00

C Plane (°): 0.0-360.0: 30.0
Test Lab: JIANGMEN
Test Type: TYPE C
Temperature: 35
Operator: R

Gamma Plane (°): 0.0-180.0: 1.0
Test Device: GPM-1600L
Distance: 8.690 m
Humidity: 45-75
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	1591.0	1588.7	1587.9	1588.0	1587.4	1585.8	1591.0	1588.7	1587.9	1588.0
G1.0	1590.8	1588.4	1587.4	1587.7	1587.1	1585.4	1590.5	1588.2	1587.7	1587.9
G2.0	1589.9	1587.5	1586.5	1586.4	1586.1	1584.3	1589.4	1587.2	1586.9	1587.5
G3.0	1588.3	1585.8	1584.7	1584.9	1584.4	1582.5	1587.3	1585.5	1585.7	1586.2
G4.0	1586.0	1583.7	1582.6	1582.4	1582.0	1580.1	1584.6	1583.0	1583.7	1584.3
G5.0	1583.2	1580.6	1579.6	1579.6	1579.3	1577.0	1581.4	1579.8	1581.2	1582.2
G6.0	1579.4	1577.1	1576.2	1576.5	1575.9	1573.5	1577.7	1576.1	1577.9	1579.2
G7.0	1575.2	1572.8	1572.0	1572.4	1571.8	1569.0	1572.8	1571.8	1574.0	1575.7
G8.0	1569.9	1567.9	1567.4	1567.8	1567.1	1563.9	1567.4	1566.4	1569.5	1571.7
G9.0	1564.3	1562.2	1562.3	1562.9	1562.0	1558.3	1561.2	1560.7	1564.6	1567.2
G10.0	1558.0	1556.2	1556.6	1557.3	1556.4	1552.0	1554.6	1554.3	1558.8	1561.8
G11.0	1550.9	1549.2	1550.0	1551.1	1550.2	1545.1	1547.0	1547.1	1552.7	1556.0
G12.0	1543.0	1542.0	1543.2	1544.5	1543.2	1537.8	1539.2	1539.6	1546.1	1549.7
G13.0	1535.2	1533.8	1535.5	1537.2	1535.6	1529.6	1530.3	1531.3	1538.5	1542.8
G14.0	1526.0	1525.4	1527.7	1530.0	1528.0	1521.1	1520.8	1522.4	1530.4	1535.2
G15.0	1516.6	1515.9	1518.8	1521.4	1519.3	1511.8	1511.0	1512.5	1521.7	1527.4
G16.0	1506.6	1506.1	1509.8	1512.8	1510.5	1502.1	1500.3	1502.2	1512.8	1518.8
G17.0	1495.9	1495.7	1500.1	1503.4	1500.9	1491.5	1488.8	1491.3	1503.4	1509.7
G18.0	1484.1	1484.6	1490.1	1493.7	1491.0	1480.6	1477.1	1480.1	1493.0	1500.8
G19.0	1472.4	1472.9	1478.9	1483.6	1480.0	1469.2	1464.3	1468.1	1482.1	1490.3
G20.0	1460.1	1461.2	1467.9	1473.0	1469.3	1457.1	1451.7	1456.1	1471.0	1480.2
G21.0	1446.6	1448.4	1456.2	1461.6	1457.8	1444.6	1438.0	1442.5	1459.6	1469.5
G22.0	1433.2	1435.5	1444.2	1450.5	1445.8	1431.5	1423.9	1428.8	1447.2	1458.0
G23.0	1419.1	1422.0	1431.7	1438.0	1433.1	1418.0	1409.6	1415.0	1434.5	1446.0
G24.0	1404.8	1407.6	1418.1	1425.7	1420.7	1403.8	1394.1	1400.0	1421.2	1434.4
G25.0	1389.6	1393.0	1404.7	1412.3	1406.7	1389.3	1378.2	1384.6	1407.8	1421.4
G26.0	1374.2	1377.9	1390.4	1399.6	1393.0	1374.4	1362.2	1369.2	1393.4	1408.6
G27.0	1357.9	1362.0	1376.2	1385.3	1378.9	1358.9	1345.1	1353.0	1379.2	1394.8
G28.0	1341.5	1346.5	1361.4	1372.0	1364.4	1343.0	1328.5	1335.8	1364.6	1380.9
G29.0	1324.6	1330.0	1346.2	1356.9	1349.2	1326.8	1310.8	1318.9	1348.9	1366.8
G30.0	1307.3	1313.3	1330.4	1342.0	1333.8	1310.1	1292.7	1301.8	1333.3	1351.9
G31.0	1289.7	1296.1	1314.4	1327.0	1318.2	1293.1	1273.7	1283.4	1317.0	1336.3
G32.0	1271.5	1278.5	1297.7	1311.3	1302.1	1275.6	1255.7	1265.4	1300.5	1321.1
G33.0	1253.1	1260.1	1281.5	1296.1	1285.7	1257.8	1235.5	1246.3	1283.2	1305.3
G34.0	1233.6	1242.1	1263.9	1279.2	1268.8	1239.6	1216.2	1227.9	1266.6	1289.5
G35.0	1215.1	1223.3	1247.6	1262.7	1251.6	1220.3	1196.3	1207.6	1248.5	1272.1
G36.0	1195.1	1204.1	1229.4	1245.8	1233.9	1202.3	1176.2	1188.2	1230.6	1255.5

C Plane (°): 0.0-360.0: 30.0
Test Lab: JIANGMEN
Test Type: TYPE C
Temperature: 35
Operator: R

Gamma Plane (°): 0.0-180.0: 1.0
Test Device: GPM-1600L
Distance: 8.690 m
Humidity: 45-75
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	1175.4	1184.5	1211.8	1228.6	1216.1	1182.4	1155.1	1167.8	1212.5	1238.3
G38.0	1155.1	1164.8	1193.0	1211.2	1198.4	1162.8	1134.4	1148.1	1194.2	1221.9
G39.0	1134.5	1144.7	1174.4	1194.2	1180.6	1143.0	1112.5	1127.3	1174.9	1203.8
G40.0	1113.4	1123.9	1155.5	1176.3	1161.1	1122.9	1091.4	1106.3	1155.8	1185.7
G41.0	1092.5	1103.6	1136.9	1158.6	1143.2	1102.4	1069.0	1084.5	1136.6	1167.4
G42.0	1071.1	1082.8	1117.6	1140.2	1123.6	1081.8	1047.4	1063.6	1117.6	1149.3
G43.0	1049.4	1061.6	1098.0	1122.0	1104.9	1060.7	1024.5	1041.3	1097.5	1130.8
G44.0	1027.3	1040.0	1078.2	1103.5	1084.9	1039.8	1002.4	1019.3	1077.6	1113.1
G45.0	1005.1	1018.3	1058.5	1084.8	1066.2	1018.3	978.9	997.1	1057.6	1093.4
G46.0	983.2	996.8	1038.1	1066.6	1046.5	997.2	956.7	975.0	1037.8	1074.9
G47.0	960.9	974.7	1018.4	1048.1	1027.3	975.8	932.2	952.3	1017.3	1055.9
G48.0	937.6	952.5	998.7	1029.3	1007.0	953.4	909.1	928.5	997.1	1036.4
G49.0	915.7	931.2	978.4	1010.5	987.2	931.7	884.8	906.0	976.1	1017.2
G50.0	892.5	908.0	957.8	991.6	967.7	909.5	860.8	883.4	956.1	998.5
G51.0	868.5	885.3	938.3	972.8	947.9	887.1	836.5	859.6	934.5	978.9
G52.0	845.5	863.0	917.7	954.0	928.0	864.5	812.2	836.7	914.8	960.1
G53.0	821.7	840.5	898.3	935.6	908.5	841.9	788.1	812.7	893.8	940.9
G54.0	797.7	817.4	878.0	917.1	888.6	820.1	763.8	789.7	873.1	921.3
G55.0	774.1	794.1	857.8	899.0	869.3	796.8	738.2	766.4	853.0	902.5
G56.0	749.9	771.0	837.8	879.9	849.6	774.0	713.7	742.3	833.0	883.7
G57.0	726.7	748.3	818.2	861.9	830.5	751.8	688.0	719.2	812.8	864.4
G58.0	701.1	725.0	797.9	843.6	810.6	729.0	663.3	695.2	793.1	846.0
G59.0	677.5	702.1	778.6	825.5	791.6	706.2	637.8	672.2	772.1	826.8
G60.0	652.4	678.6	759.7	807.7	772.7	683.8	612.9	648.4	752.8	808.6
G61.0	627.8	655.9	740.3	789.3	753.2	661.3	586.8	625.0	733.5	790.1
G62.0	602.8	632.9	720.8	771.9	734.8	639.4	560.4	601.8	714.3	771.8
G63.0	578.5	609.5	702.3	754.0	716.3	617.4	535.0	579.2	694.2	753.1
G64.0	553.7	587.9	683.3	736.7	698.0	595.4	509.1	556.8	674.9	735.5
G65.0	528.3	565.1	665.5	719.8	679.7	573.4	483.7	534.0	656.5	718.0
G66.0	503.0	542.1	647.6	702.7	661.3	552.3	457.8	511.7	638.3	700.3
G67.0	477.8	520.4	628.8	686.2	644.0	531.3	431.2	489.2	619.5	683.3
G68.0	453.0	498.5	611.5	669.6	626.9	509.9	406.0	468.0	601.8	665.8
G69.0	427.7	476.9	594.4	653.7	610.1	489.6	379.6	446.7	583.7	649.0
G70.0	402.4	456.1	577.3	637.1	592.8	468.8	353.4	425.8	566.3	632.1
G71.0	377.7	435.3	560.0	621.7	576.8	449.3	329.4	405.2	549.0	615.6
G72.0	353.0	415.1	543.8	606.0	560.4	430.1	303.3	385.0	532.0	599.6
G73.0	327.9	395.6	527.2	591.0	544.6	411.0	278.5	365.4	515.2	583.4

C Plane (°):0.0-360.0: 30.0
Test Lab: JIANGMEN
Test Type: TYPE C
Temperature: 35
Operator: R

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.690 m
Humidity: 45-75
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	303.0	376.0	512.1	575.9	528.6	392.3	252.9	347.1	499.2	567.2
G75.0	278.6	356.7	496.2	561.0	513.3	374.3	229.0	328.6	483.2	552.1
G76.0	254.4	338.9	481.6	546.6	498.4	356.7	204.3	309.9	467.2	536.8
G77.0	229.5	320.8	466.2	532.5	483.8	339.8	181.9	292.6	452.2	521.7
G78.0	207.1	303.3	452.1	518.5	469.5	323.3	158.5	276.3	437.1	506.6
G79.0	183.7	287.1	438.1	504.9	455.1	307.4	136.3	260.1	422.0	492.3
G80.0	161.3	271.1	424.3	491.4	441.6	292.0	115.0	244.5	407.6	478.0
G81.0	139.7	256.1	410.9	477.8	427.8	277.1	94.8	229.9	393.9	464.2
G82.0	118.9	240.5	397.7	465.2	414.6	262.6	76.3	215.1	379.8	450.3
G83.0	98.9	226.9	384.6	452.1	401.8	248.9	58.9	201.6	366.5	436.8
G84.0	80.5	212.9	372.0	439.6	389.1	235.6	43.5	188.3	353.5	423.6
G85.0	63.1	200.3	359.8	426.8	376.2	223.0	30.1	176.3	340.9	410.8
G86.0	47.8	188.1	347.5	415.0	363.8	210.9	19.3	164.2	328.3	397.7
G87.0	34.0	176.5	335.5	402.5	352.2	198.7	11.5	152.9	315.9	385.3
G88.0	22.7	165.2	324.2	390.8	340.3	187.8	6.6	142.3	303.8	372.8
G89.0	14.2	154.6	312.4	379.2	328.6	176.9	4.4	132.2	292.1	360.8
G90.0	8.5	144.5	301.5	367.6	317.5	166.5	4.1	122.1	280.2	348.6
G91.0	5.8	134.6	290.0	356.0	306.1	156.6	4.2	113.2	269.3	336.9
G92.0	4.9	125.9	279.6	344.9	295.3	147.0	4.4	104.6	257.9	324.9
G93.0	4.8	116.8	269.0	334.0	284.5	138.0	4.7	96.4	247.3	314.0
G94.0	5.0	108.9	258.8	322.7	274.1	129.3	4.9	89.0	236.6	302.3
G95.0	5.1	101.4	248.7	312.1	263.7	121.3	5.2	82.2	226.3	291.4
G96.0	5.3	94.4	239.0	302.0	253.7	113.5	5.5	75.7	216.4	280.5
G97.0	5.6	87.8	229.4	291.8	244.0	106.3	5.8	69.8	206.6	270.0
G98.0	5.9	82.1	220.2	281.3	234.3	99.6	6.2	64.5	197.0	259.4
G99.0	6.2	76.6	211.0	271.5	225.0	93.2	6.5	59.5	188.1	249.2
G100.0	6.5	71.3	202.5	261.8	216.2	87.5	6.8	55.3	179.2	239.4
G101.0	6.8	66.8	193.7	252.4	207.3	82.2	7.2	51.5	170.4	229.5
G102.0	7.2	62.7	185.8	243.2	198.9	77.2	7.5	48.0	162.3	220.2
G103.0	7.5	58.9	177.6	234.1	190.5	72.7	7.9	45.1	154.5	210.8
G104.0	7.9	55.5	170.1	225.4	182.6	68.6	8.2	42.6	146.7	201.7
G105.0	8.1	52.4	162.8	216.8	174.6	64.8	8.6	40.4	138.2	193.0
G106.0	8.7	49.8	155.8	208.4	167.4	61.5	8.9	38.7	127.7	184.6
G107.0	9.1	47.5	148.6	200.1	160.0	58.4	9.4	37.0	117.9	176.3
G108.0	9.5	45.7	141.9	192.4	153.1	55.8	9.7	35.3	109.5	168.5
G109.0	10.0	44.2	132.7	184.5	145.4	53.4	10.1	33.8	103.6	158.7
G110.0	10.5	42.7	123.0	177.0	136.0	50.9	10.4	32.6	98.6	150.1

C Plane (°): 0.0-360.0: 30.0
Test Lab: JIANGMEN
Test Type: TYPE C
Temperature: 35
Operator: R

Gamma Plane (°): 0.0-180.0: 1.0
Test Device: GPM-1600L
Distance: 8.690 m
Humidity: 45-75
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	11.0	41.0	115.2	169.3	127.1	48.4	10.9	31.7	94.0	142.8
G112.0	11.4	39.4	108.8	160.5	119.9	46.2	11.3	31.5	89.3	136.4
G113.0	11.9	37.8	104.4	151.6	114.0	44.1	11.7	31.4	85.1	130.2
G114.0	12.3	36.7	100.2	144.9	109.4	42.6	12.0	31.5	81.3	124.1
G115.0	12.7	36.0	96.3	138.5	104.7	41.6	12.5	31.6	77.3	118.4
G116.0	13.1	35.5	92.4	133.1	100.5	40.8	12.9	31.9	73.9	112.9
G117.0	13.5	35.2	88.9	127.4	96.5	40.2	13.4	32.1	70.6	107.7
G118.0	14.0	35.0	85.3	122.3	92.6	39.8	13.9	32.3	67.9	102.8
G119.0	14.4	35.0	82.2	117.3	89.0	39.4	14.4	32.4	65.4	98.1
G120.0	15.0	34.9	79.2	112.4	85.5	39.1	14.9	32.6	63.2	93.6
G121.0	15.5	34.8	76.4	108.0	82.5	38.9	15.5	32.8	61.3	89.6
G122.0	16.1	34.8	73.9	103.6	79.4	38.8	16.1	32.9	59.6	85.8
G123.0	16.6	34.8	71.5	99.7	76.7	38.7	16.5	33.1	58.1	82.2
G124.0	17.1	35.0	69.3	95.7	74.1	38.6	17.0	33.2	56.7	79.1
G125.0	17.6	35.4	66.3	92.2	71.9	38.5	17.5	33.3	55.5	76.2
G126.0	18.0	35.7	63.0	88.9	69.7	38.6	17.9	33.5	54.5	73.7
G127.0	18.5	36.1	60.1	85.8	67.8	38.6	18.3	33.6	53.6	71.3
G128.0	18.9	36.3	57.5	82.9	66.0	38.7	18.8	33.7	52.9	69.2
G129.0	19.3	36.3	56.7	80.3	64.3	38.7	19.2	33.8	52.3	67.2
G130.0	19.8	36.4	56.8	77.8	62.8	38.8	19.6	33.8	51.7	65.6
G131.0	20.1	36.5	56.3	75.5	61.5	38.8	20.1	33.9	51.2	64.1
G132.0	20.5	36.6	55.6	73.4	60.2	38.8	20.5	34.0	50.8	62.8
G133.0	20.9	36.5	54.9	71.5	59.1	38.8	20.9	34.1	50.4	61.7
G134.0	21.2	36.2	54.3	69.7	58.1	38.9	21.4	34.2	50.0	60.7
G135.0	21.6	36.0	53.8	68.0	57.1	38.9	21.8	34.2	49.7	59.7
G136.0	22.0	35.8	53.4	66.5	56.3	38.9	22.2	34.2	49.4	58.9
G137.0	22.3	35.5	53.0	65.2	55.5	38.9	22.6	34.2	49.0	58.2
G138.0	22.6	35.2	52.7	63.9	54.8	38.9	23.1	34.1	48.7	57.5
G139.0	23.0	34.8	52.3	62.7	54.2	38.9	23.7	34.0	48.3	56.8
G140.0	23.5	34.5	51.8	61.7	53.5	38.9	24.1	34.0	47.9	56.2
G141.0	23.9	34.1	51.3	60.7	53.0	38.9	24.6	34.0	47.6	55.6
G142.0	24.4	33.8	50.8	59.8	52.5	38.8	25.1	34.0	47.3	55.0
G143.0	24.8	33.6	50.4	58.9	51.9	38.8	25.6	34.2	47.0	54.4
G144.0	25.3	33.5	50.0	58.1	51.4	38.8	26.1	34.3	46.7	53.8
G145.0	25.8	33.6	49.5	57.4	51.0	38.8	26.6	34.4	46.4	53.2
G146.0	26.2	33.6	49.0	56.6	50.5	38.8	27.0	34.6	46.1	52.5
G147.0	26.7	33.7	48.6	55.9	50.1	38.8	27.6	34.7	45.8	51.9

C Plane (°): 0.0-360.0: 30.0
Test Lab: JIANGMEN
Test Type: TYPE C
Temperature: 35
Operator: R

Gamma Plane (°): 0.0-180.0: 1.0
Test Device: GPM-1600L
Distance: 8.690 m
Humidity: 45-75
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	27.2	33.7	48.2	55.2	49.6	38.8	28.0	34.9	45.5	51.2
G149.0	27.7	33.7	47.8	54.5	49.3	38.7	28.5	35.1	45.2	50.6
G150.0	28.1	33.7	47.3	53.8	48.8	38.6	29.0	35.2	44.9	49.9
G151.0	28.6	33.7	46.7	53.1	48.3	38.5	29.4	35.4	44.5	49.3
G152.0	29.1	33.7	45.9	52.4	47.9	38.4	29.9	35.6	44.2	48.7
G153.0	29.6	33.8	45.1	51.7	47.4	38.4	30.4	35.8	43.8	48.1
G154.0	30.1	34.0	44.2	51.0	47.0	38.5	30.9	35.9	43.4	47.4
G155.0	30.6	34.4	43.3	50.3	46.6	38.7	31.3	36.0	43.1	46.8
G156.0	31.1	34.6	42.3	49.6	46.1	38.8	31.9	36.0	42.7	46.2
G157.0	31.6	34.7	41.4	49.0	45.8	38.9	32.3	36.1	42.3	45.5
G158.0	32.1	34.7	40.5	48.2	45.3	39.1	32.8	36.1	42.0	45.0
G159.0	32.5	34.8	39.7	47.6	45.0	39.1	33.2	36.0	41.7	44.4
G160.0	33.0	34.9	39.1	47.0	44.6	39.1	33.7	36.1	41.3	43.7
G161.0	33.5	35.1	38.8	46.4	44.3	39.1	34.1	36.3	41.0	43.2
G162.0	33.9	35.3	38.5	45.8	44.0	39.0	34.5	36.5	40.6	42.7
G163.0	34.3	35.4	38.4	45.3	43.6	38.9	35.0	36.7	40.3	42.1
G164.0	34.7	35.3	38.4	44.8	43.4	38.8	35.3	36.9	40.0	41.6
G165.0	35.2	35.2	38.2	44.3	43.1	38.5	35.8	37.0	39.8	41.2
G166.0	35.6	35.0	38.2	44.0	42.8	38.3	36.1	37.3	39.5	40.8
G167.0	36.0	35.0	37.8	43.5	42.5	38.1	36.5	37.6	39.1	40.5
G168.0	36.4	35.1	37.5	43.3	42.0	38.0	36.9	37.8	38.7	40.0
G169.0	36.8	35.2	37.0	42.8	41.5	38.0	37.3	38.1	38.5	39.5
G170.0	37.1	35.3	36.5	42.2	40.9	37.8	37.6	38.3	38.4	38.9
G171.0	37.5	35.4	35.9	41.5	40.2	37.8	37.9	38.5	38.3	38.2
G172.0	37.8	35.5	35.0	40.8	39.5	37.8	38.2	38.7	38.3	37.3
G173.0	38.1	35.8	34.3	39.9	39.0	38.0	38.4	38.9	38.5	36.5
G174.0	38.4	36.2	33.7	39.2	38.7	38.2	38.7	39.0	38.5	36.5
G175.0	38.8	36.7	33.4	38.6	38.4	38.4	38.9	39.1	38.5	38.1
G176.0	39.0	37.3	33.7	38.1	38.3	38.6	39.2	39.3	38.4	38.3
G177.0	39.2	37.7	34.2	37.8	38.4	38.9	39.4	39.4	38.1	38.4
G178.0	39.4	38.3	34.7	38.4	38.4	39.1	39.6	39.3	37.7	38.8
G179.0	39.6	38.7	35.5	38.7	38.3	39.2	39.7	39.2	37.0	39.0
G180.0	39.7	39.0	36.2	38.1	38.0	39.2	39.8	39.0	36.3	38.1

C Plane (°): 0.0-360.0: 30.0
Test Lab: JIANGMEN
Test Type: TYPE C
Temperature: 35
Operator: R

Gamma Plane (°): 0.0-180.0: 1.0
Test Device: GPM-1600L
Distance: 8.690 m
Humidity: 45-75
Inspector:



Candlepower Table (Continue 5)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G0.0	1587.4	1585.8	1591.0							
G1.0	1587.3	1585.6	1590.8							
G2.0	1586.6	1584.7	1589.9							
G3.0	1585.3	1583.2	1588.3							
G4.0	1583.4	1580.9	1586.0							
G5.0	1580.9	1578.0	1583.2							
G6.0	1577.6	1574.6	1579.4							
G7.0	1574.0	1570.3	1575.2							
G8.0	1569.7	1565.4	1569.9							
G9.0	1564.5	1559.8	1564.3							
G10.0	1559.1	1553.8	1558.0							
G11.0	1553.1	1547.0	1550.9							
G12.0	1546.6	1539.8	1543.0							
G13.0	1538.9	1531.6	1535.2							
G14.0	1531.3	1523.0	1526.0							
G15.0	1523.1	1513.8	1516.6							
G16.0	1514.0	1503.7	1506.6							
G17.0	1504.3	1493.3	1495.9							
G18.0	1494.6	1482.4	1484.1							
G19.0	1483.8	1470.7	1472.4							
G20.0	1472.8	1458.5	1460.1							
G21.0	1461.3	1445.4	1446.6							
G22.0	1449.6	1432.5	1433.2							
G23.0	1437.0	1418.4	1419.1							
G24.0	1424.3	1404.4	1404.8							
G25.0	1410.6	1389.2	1389.6							
G26.0	1397.3	1374.2	1374.2							
G27.0	1382.5	1358.0	1357.9							
G28.0	1368.3	1341.9	1341.5							
G29.0	1352.8	1324.7	1324.6							
G30.0	1337.6	1307.8	1307.3							
G31.0	1321.2	1290.1	1289.7							
G32.0	1305.8	1272.1	1271.5							
G33.0	1288.2	1253.7	1253.1							
G34.0	1271.6	1235.4	1233.6							
G35.0	1254.3	1215.4	1215.1							
G36.0	1236.3	1196.7	1195.1							

C Plane (°): 0.0-360.0: 30.0
Test Lab: JIANGMEN
Test Type: TYPE C
Temperature: 35
Operator: R

Gamma Plane (°): 0.0-180.0: 1.0
Test Device: GPM-1600L
Distance: 8.690 m
Humidity: 45-75
Inspector:



Candlepower Table (Continue 6)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G37.0	1218.3	1176.8	1175.4							
G38.0	1199.7	1157.0	1155.1							
G39.0	1181.6	1136.5	1134.5							
G40.0	1162.8	1115.8	1113.4							
G41.0	1143.8	1094.4	1092.5							
G42.0	1124.7	1073.8	1071.1							
G43.0	1104.9	1051.9	1049.4							
G44.0	1085.8	1030.6	1027.3							
G45.0	1065.5	1008.7	1005.1							
G46.0	1046.0	986.5	983.2							
G47.0	1025.9	964.2	960.9							
G48.0	1006.1	941.8	937.6							
G49.0	985.5	918.5	915.7							
G50.0	965.8	896.8	892.5							
G51.0	945.0	873.3	868.5							
G52.0	924.8	850.3	845.5							
G53.0	904.5	827.7	821.7							
G54.0	884.5	804.0	797.7							
G55.0	864.4	781.2	774.1							
G56.0	843.8	757.5	749.9							
G57.0	824.2	734.3	726.7							
G58.0	804.7	711.7	701.1							
G59.0	784.6	688.7	677.5							
G60.0	765.8	665.8	652.4							
G61.0	745.6	643.0	627.8							
G62.0	726.7	620.2	602.8							
G63.0	707.2	597.7	578.5							
G64.0	688.2	575.7	553.7							
G65.0	669.9	553.6	528.3							
G66.0	651.6	531.3	503.0							
G67.0	633.9	510.3	477.8							
G68.0	615.6	489.2	453.0							
G69.0	598.4	468.9	427.7							
G70.0	580.7	448.1	402.4							
G71.0	564.0	428.0	377.7							
G72.0	546.7	408.9	353.0							
G73.0	530.5	389.7	327.9							

C Plane (°): 0.0-360.0: 30.0
Test Lab: JIANGMEN
Test Type: TYPE C
Temperature: 35
Operator: R

Gamma Plane (°): 0.0-180.0: 1.0
Test Device: GPM-1600L
Distance: 8.690 m
Humidity: 45-75
Inspector:

Candlepower Table (Continue 7)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G74.0	514.0	371.5	303.0							
G75.0	498.7	353.4	278.6							
G76.0	482.7	335.4	254.4							
G77.0	467.4	318.8	229.5							
G78.0	452.4	302.3	207.1							
G79.0	438.0	286.3	183.7							
G80.0	423.6	270.9	161.3							
G81.0	409.7	255.9	139.7							
G82.0	395.5	241.9	118.9							
G83.0	382.3	228.0	98.9							
G84.0	368.8	214.8	80.5							
G85.0	356.5	202.4	63.1							
G86.0	343.6	190.0	47.8							
G87.0	331.5	178.4	34.0							
G88.0	319.0	167.3	22.7							
G89.0	307.3	156.4	14.2							
G90.0	295.3	146.6	8.5							
G91.0	284.4	137.3	5.8							
G92.0	273.1	127.7	4.9							
G93.0	262.4	119.2	4.8							
G94.0	251.5	110.7	5.0							
G95.0	241.1	103.1	5.1							
G96.0	230.8	95.7	5.3							
G97.0	220.8	89.0	5.6							
G98.0	211.2	82.7	5.9							
G99.0	202.1	76.8	6.2							
G100.0	192.9	71.6	6.5							
G101.0	184.0	66.7	6.8							
G102.0	175.5	62.2	7.2							
G103.0	167.6	58.2	7.5							
G104.0	159.2	54.7	7.9							
G105.0	151.6	51.3	8.1							
G106.0	142.8	48.5	8.7							
G107.0	132.2	45.9	9.1							
G108.0	123.3	43.3	9.5							
G109.0	115.3	40.8	10.0							
G110.0	109.6	38.9	10.5							

C Plane (°): 0.0-360.0: 30.0
Test Lab: JIANGMEN
Test Type: TYPE C
Temperature: 35
Operator: R

Gamma Plane (°): 0.0-180.0: 1.0
Test Device: GPM-1600L
Distance: 8.690 m
Humidity: 45-75
Inspector:

Candlepower Table (Continue 8)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G111.0	104.3	37.2	11.0							
G112.0	99.3	36.0	11.4							
G113.0	94.5	34.9	11.9							
G114.0	90.1	33.8	12.3							
G115.0	85.8	33.3	12.7							
G116.0	81.8	32.9	13.1							
G117.0	78.1	33.0	13.5							
G118.0	74.6	33.4	14.0							
G119.0	71.5	34.0	14.4							
G120.0	68.6	34.3	15.0							
G121.0	66.2	34.4	15.5							
G122.0	64.0	34.6	16.1							
G123.0	62.0	34.9	16.6							
G124.0	60.3	35.1	17.1							
G125.0	58.8	35.3	17.6							
G126.0	57.4	35.4	18.0							
G127.0	56.3	35.5	18.5							
G128.0	55.2	35.6	18.9							
G129.0	54.3	35.7	19.3							
G130.0	53.6	35.7	19.8							
G131.0	52.9	35.7	20.1							
G132.0	52.3	35.6	20.5							
G133.0	51.8	35.1	20.9							
G134.0	51.4	34.6	21.2							
G135.0	50.9	34.3	21.6							
G136.0	50.6	33.8	22.0							
G137.0	50.2	33.4	22.3							
G138.0	49.8	33.0	22.6							
G139.0	49.4	32.6	23.0							
G140.0	49.0	32.1	23.5							
G141.0	48.7	31.6	23.9							
G142.0	48.0	31.3	24.4							
G143.0	47.5	31.2	24.8							
G144.0	47.0	31.4	25.3							
G145.0	46.4	31.6	25.8							
G146.0	46.1	31.7	26.2							
G147.0	45.8	31.7	26.7							

C Plane (°): 0.0-360.0: 30.0
Test Lab: JIANGMEN
Test Type: TYPE C
Temperature: 35
Operator: R

Gamma Plane (°): 0.0-180.0: 1.0
Test Device: GPM-1600L
Distance: 8.690 m
Humidity: 45-75
Inspector:



Candlepower Table (Continue 9)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G148.0	45.5	31.7	27.2							
G149.0	45.2	31.9	27.7							
G150.0	44.9	32.4	28.1							
G151.0	44.4	32.8	28.6							
G152.0	43.8	33.0	29.1							
G153.0	42.8	33.1	29.6							
G154.0	42.4	33.2	30.1							
G155.0	41.8	33.3	30.6							
G156.0	40.6	33.5	31.1							
G157.0	39.8	33.5	31.6							
G158.0	38.9	33.6	32.1							
G159.0	37.8	33.6	32.5							
G160.0	36.6	33.6	33.0							
G161.0	35.8	33.6	33.5							
G162.0	35.2	33.6	33.9							
G163.0	34.4	33.7	34.3							
G164.0	33.9	33.8	34.7							
G165.0	33.8	34.0	35.2							
G166.0	33.8	34.1	35.6							
G167.0	33.8	34.4	36.0							
G168.0	33.3	34.7	36.4							
G169.0	33.6	35.1	36.8							
G170.0	34.3	35.5	37.1							
G171.0	34.7	35.9	37.5							
G172.0	34.9	36.2	37.8							
G173.0	35.4	36.8	38.1							
G174.0	36.0	37.3	38.4							
G175.0	36.6	37.8	38.8							
G176.0	37.3	38.3	39.0							
G177.0	37.8	38.7	39.2							
G178.0	37.9	38.9	39.4							
G179.0	38.0	39.1	39.6							
G180.0	38.0	39.2	39.7							

C Plane (°): 0.0-360.0: 30.0
Test Lab: JIANGMEN
Test Type: TYPE C
Temperature: 35
Operator: R

Gamma Plane (°): 0.0-180.0: 1.0
Test Device: GPM-1600L
Distance: 8.690 m
Humidity: 45-75
Inspector: