

Report No.:

Test Time: 2015-10-15 16:20

Luminaire Property

Luminaire Manufacturer: Premium Quality Lighting

Luminaire Description: LED VAPOR TIGHT 48" 40W/50K/120-277V/DIMMABLE

Lamp Catalog: 55165

Lamp Description: 4000K

Luminous Length (mm): 1270

Luminous Height (mm): 100

Current: 0.307 A

Power Factor: 0.993

Number of Lamps: 104

Luminous Width (mm): 170

Voltage: 119.7 V

Power: 36.47 W

Photometric Results

CIE Class: Direct

Measurement Flux: 3888.7 lm

Downward Ratio: 95%

Horizontal Diffuse Angle(50%): H105.1

Vertical Diffuse Angle(50%): V114.7

Luminaire Efficacy Rating (LER): 107

Max. Intensity: 1263.71 cd

Total Rated Lamp Lumens: 3888.7 lm

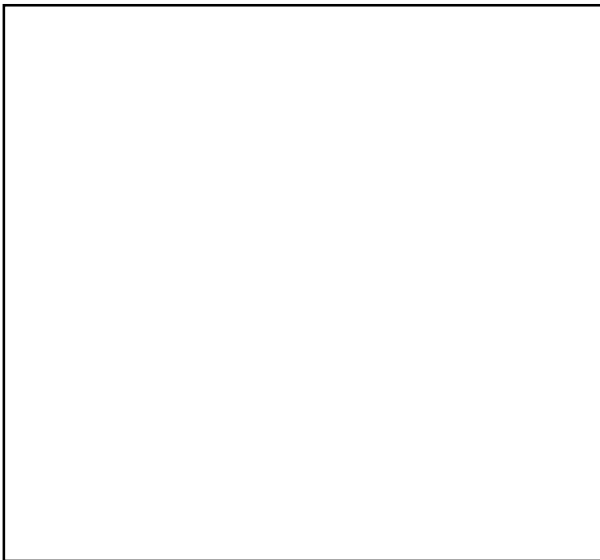
Efficiency: 100%

Upward Ratio: 5%

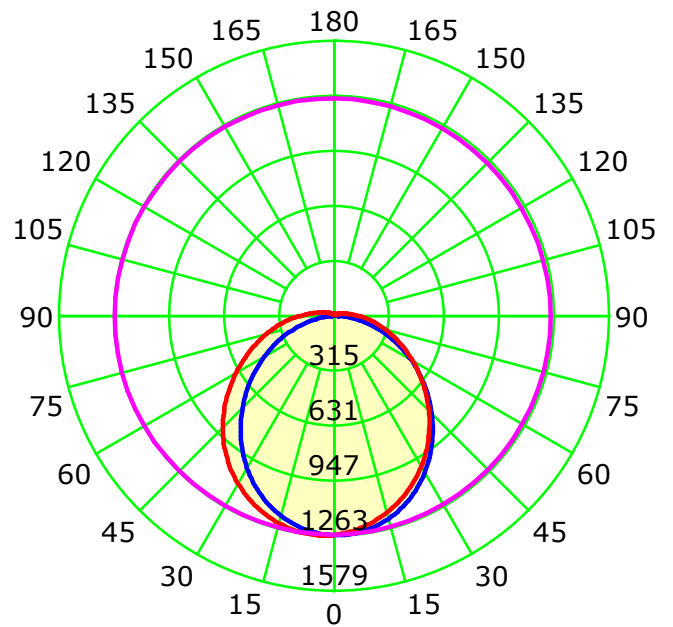
Central Intensity: 1259.13 cd

Pos of Max. Intensity: H270 V4

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

— C0-C180 — C90-C270 — G4

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 35

Operator: WeiWeiruo

Gamma Plane (°):0.0-180.0:1.0

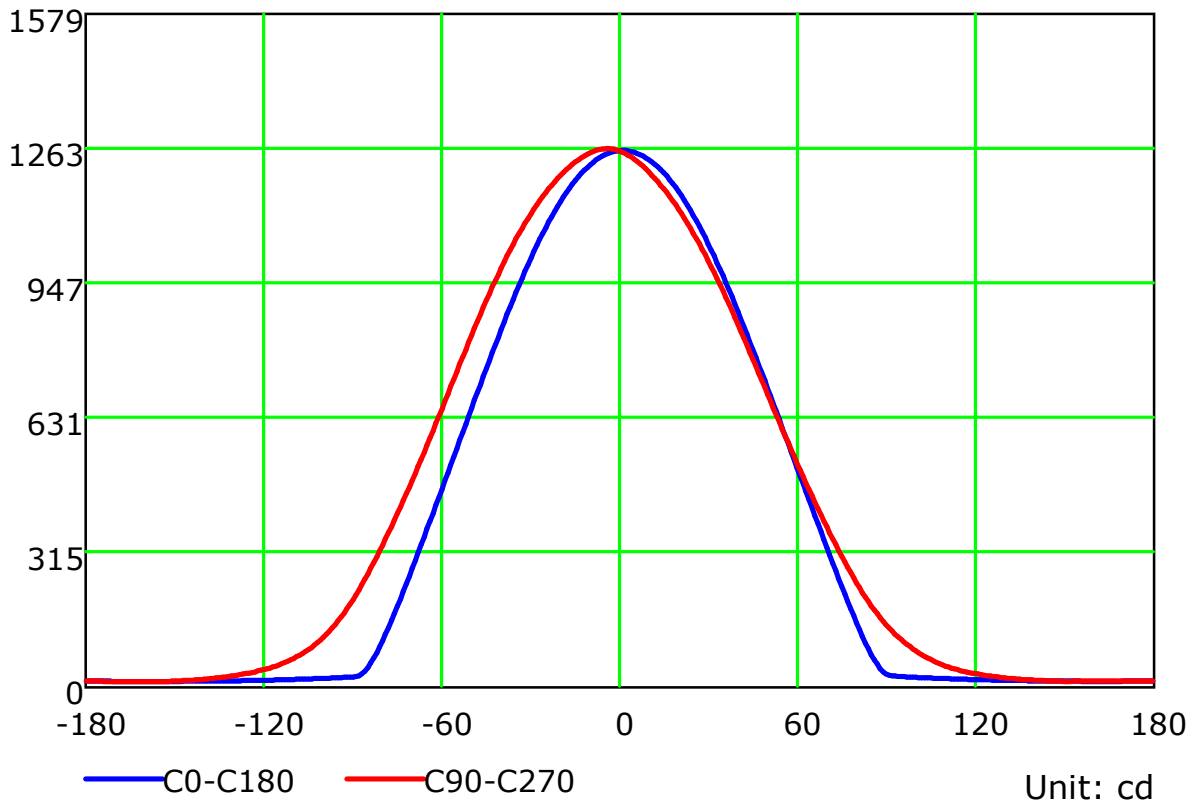
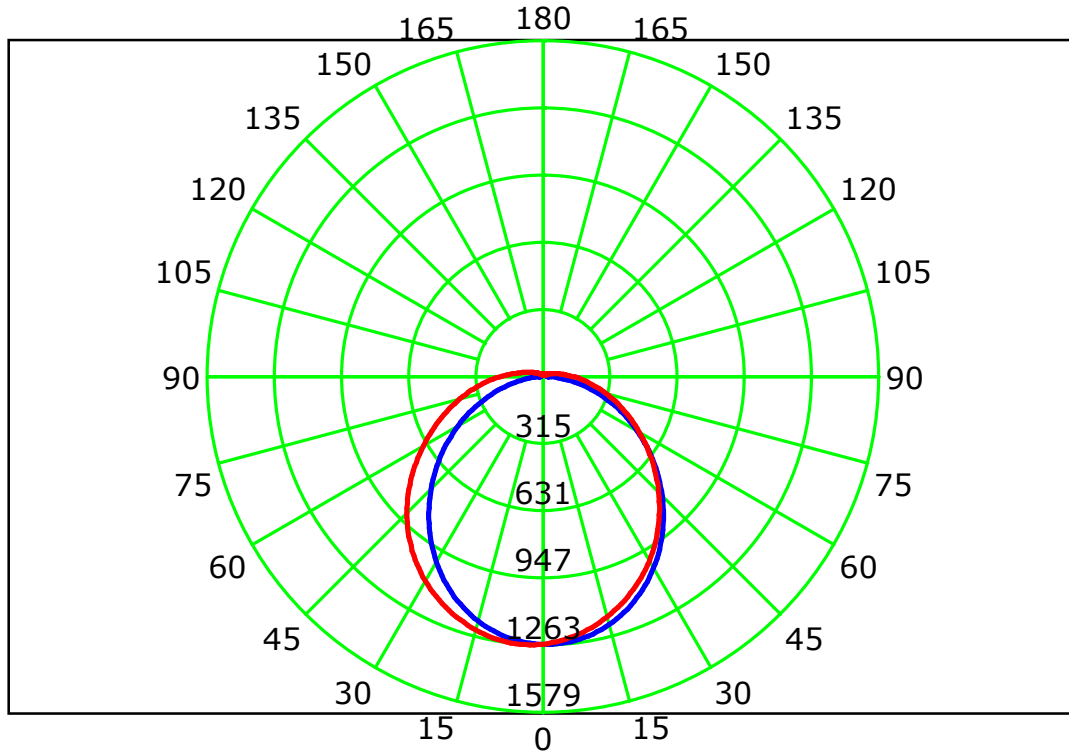
Test Device: GPM-1600L

Distance: 8.383 m

Humidity: 78

Inspector:

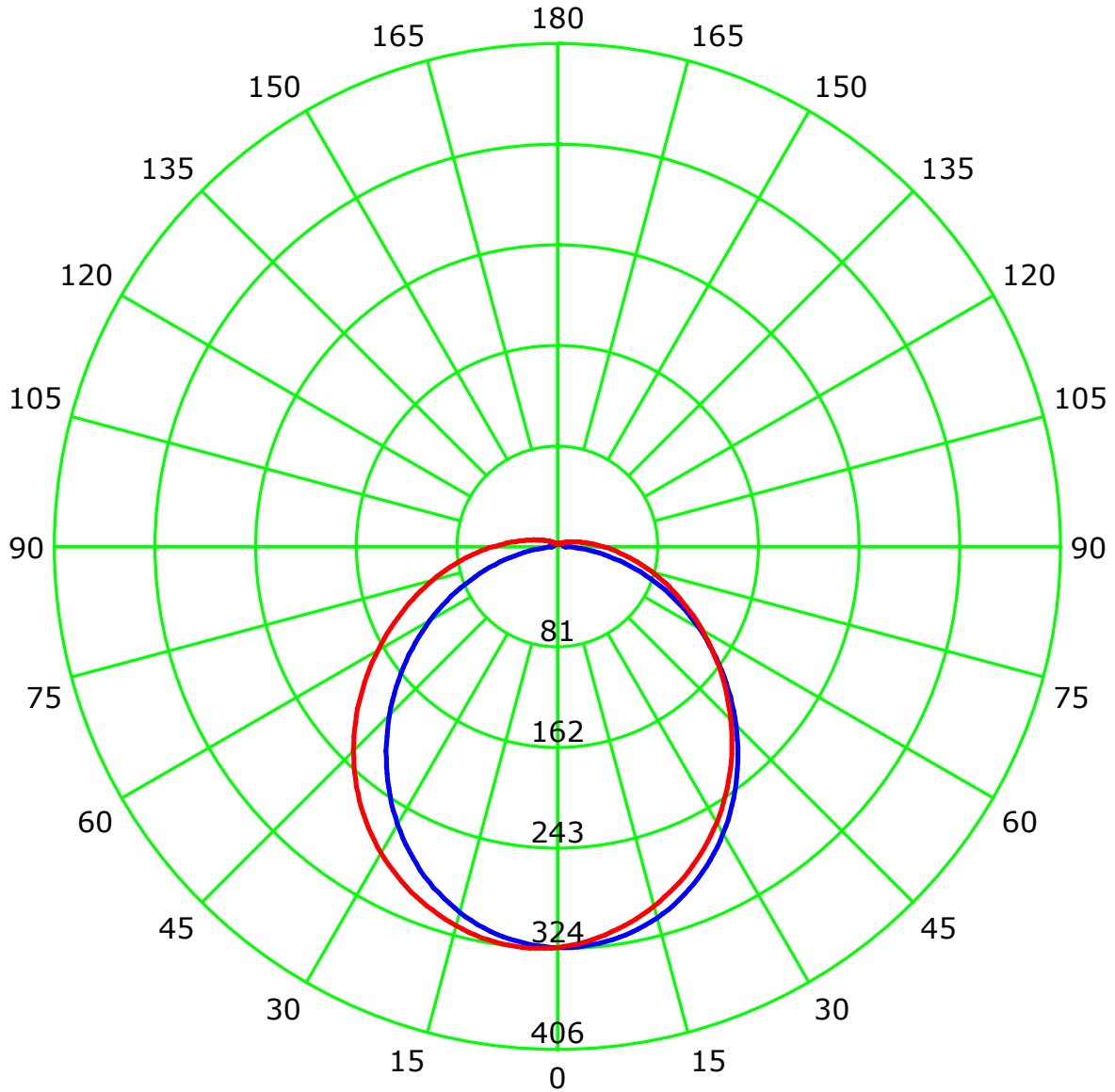
Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
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Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.383 m
 Humidity: 78
 Inspector:

Luminous Intensity Distribution Curve(cd/klm)



cd/klm η=100%
 — C0-C180 LED VAPOR TIGHT 48" 40W/50K/120-277V
 — C90-C270

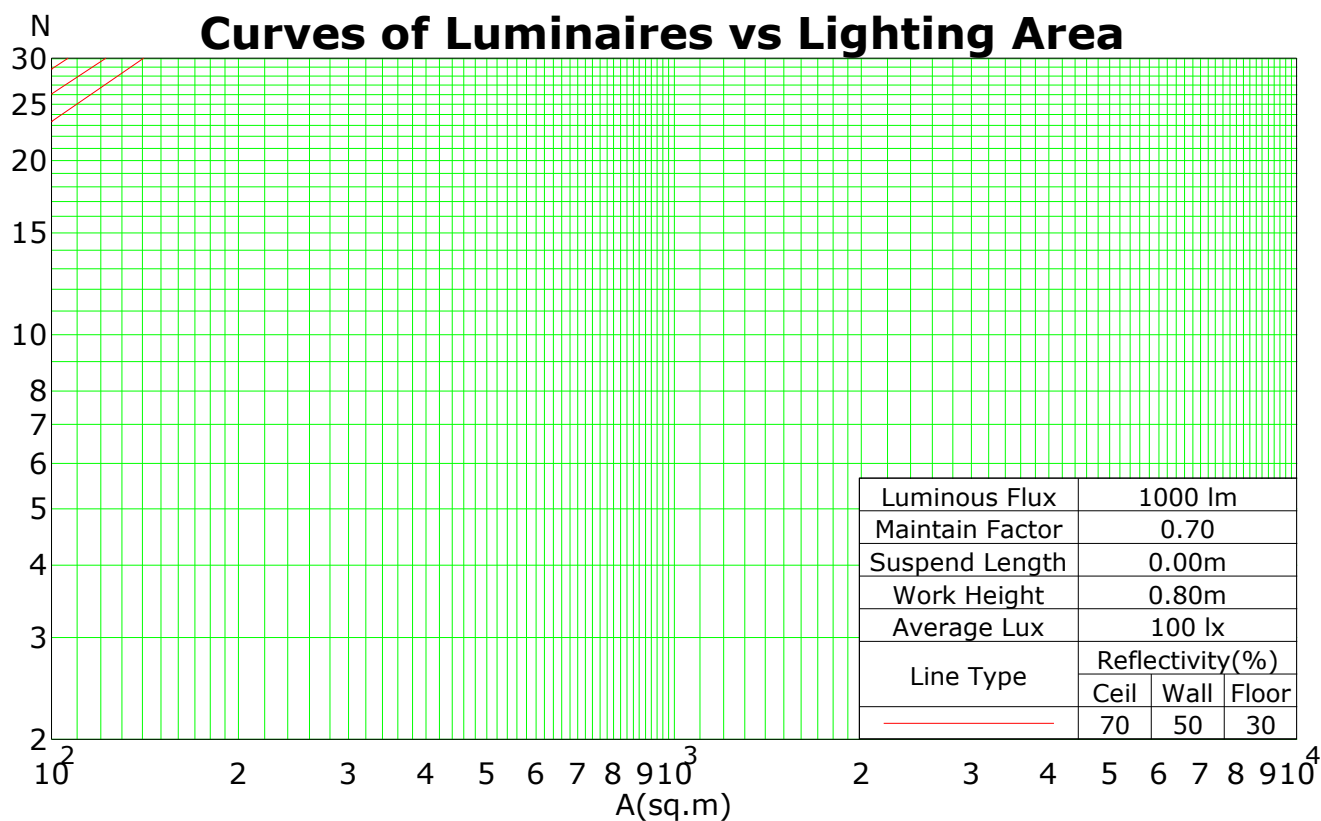
C Plane (°):0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature: 35
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Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
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 Inspector:

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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	95
1	106	101	96	92	103	98	94	90	93	89	86	88	85	83	84	81	79	77
2	96	88	80	74	93	85	79	73	81	75	70	77	72	68	73	69	66	63
3	88	77	68	61	85	75	67	61	71	64	59	67	62	57	64	59	55	53
4	80	68	59	52	77	66	58	51	63	56	50	60	54	49	57	52	47	45
5	74	61	51	45	71	59	50	44	56	49	43	54	47	42	51	46	41	39
6	68	54	45	39	66	53	45	38	51	43	38	49	42	37	47	41	36	34
7	63	49	40	34	61	48	40	34	46	39	33	44	38	33	43	37	32	30
8	59	45	36	31	57	44	36	30	42	35	30	41	34	29	39	33	29	27
9	55	41	33	27	53	41	33	27	39	32	27	38	31	26	36	30	26	24
10	51	38	30	25	50	37	30	25	36	29	24	35	28	24	34	28	24	22

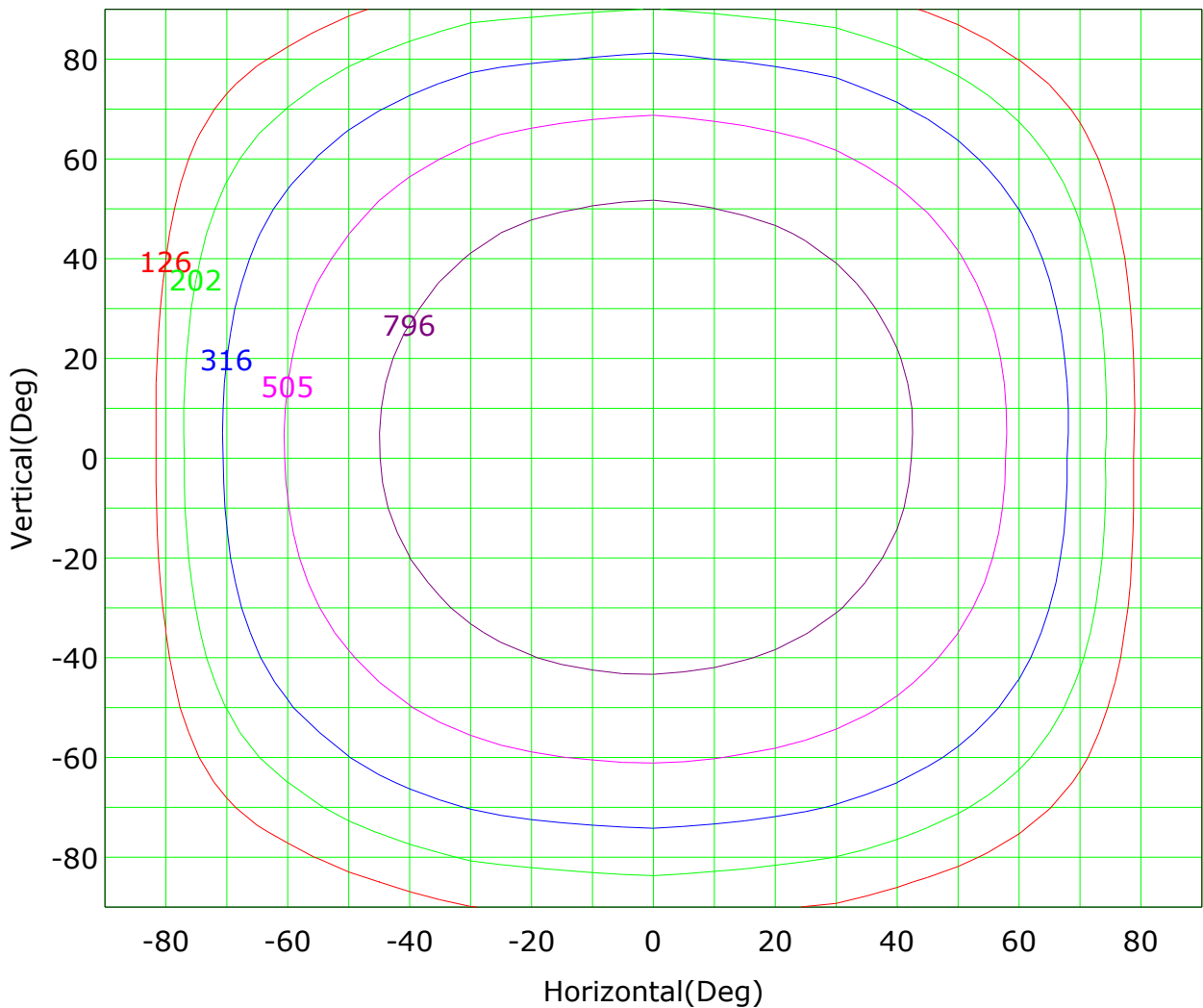
Spacing Criteria (0-180): 1.21
 Spacing Criteria (90-270): 1.25
 Spacing Criteria (Diagonal): 1.35



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 Test Type: TYPE C
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Gamma Plane (°):0.0-180.0:1.0
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 Humidity: 78
 Inspector:

Isocandela (rectangle)



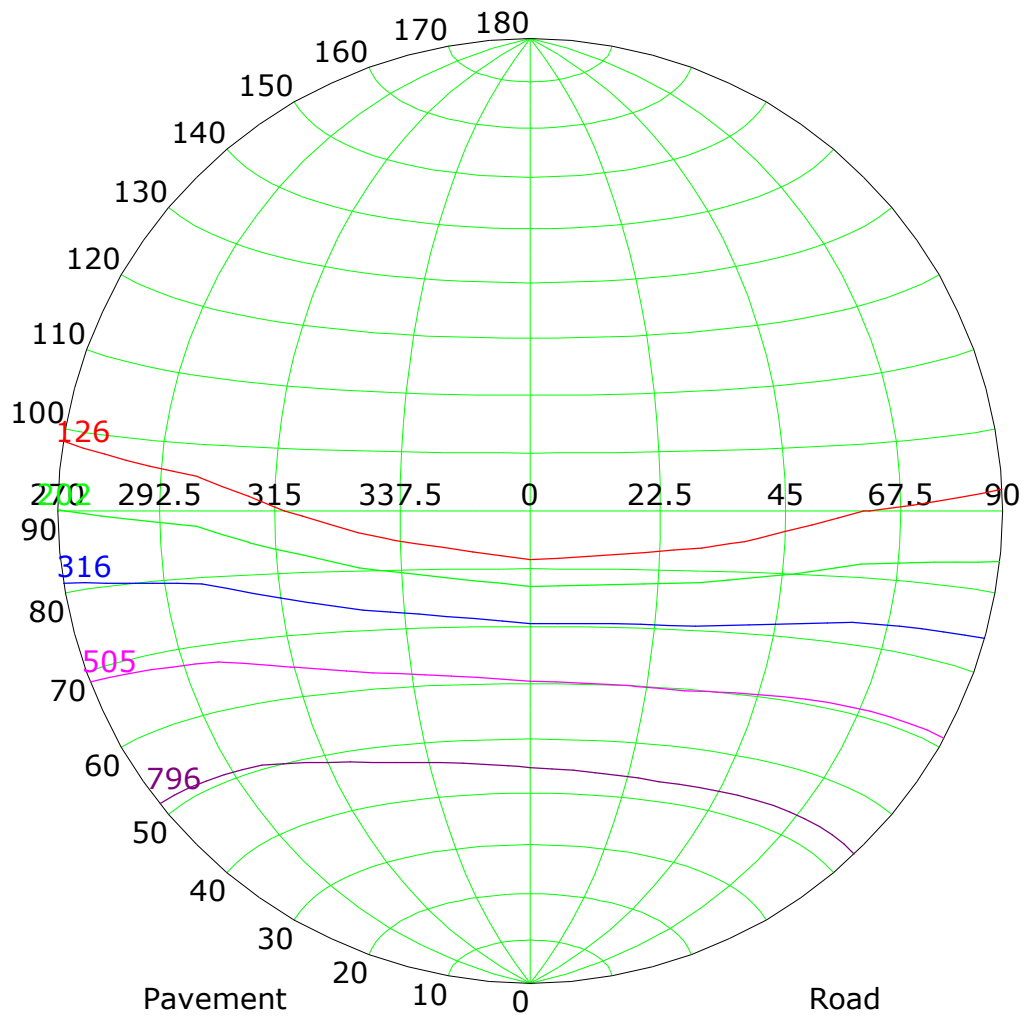
Imax (100%): 1264 cd

— (10%): 126 cd	— (16%): 202 cd
— (25%): 316 cd	— (40%): 505 cd
— (63%): 796 cd	— (100%): 1264 cd

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 Test Lab:
 Test Type: TYPE C
 Temperature: 35
 Operator: WeiWeiruo

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.383 m
 Humidity: 78
 Inspector:

Isocandela (sphere)



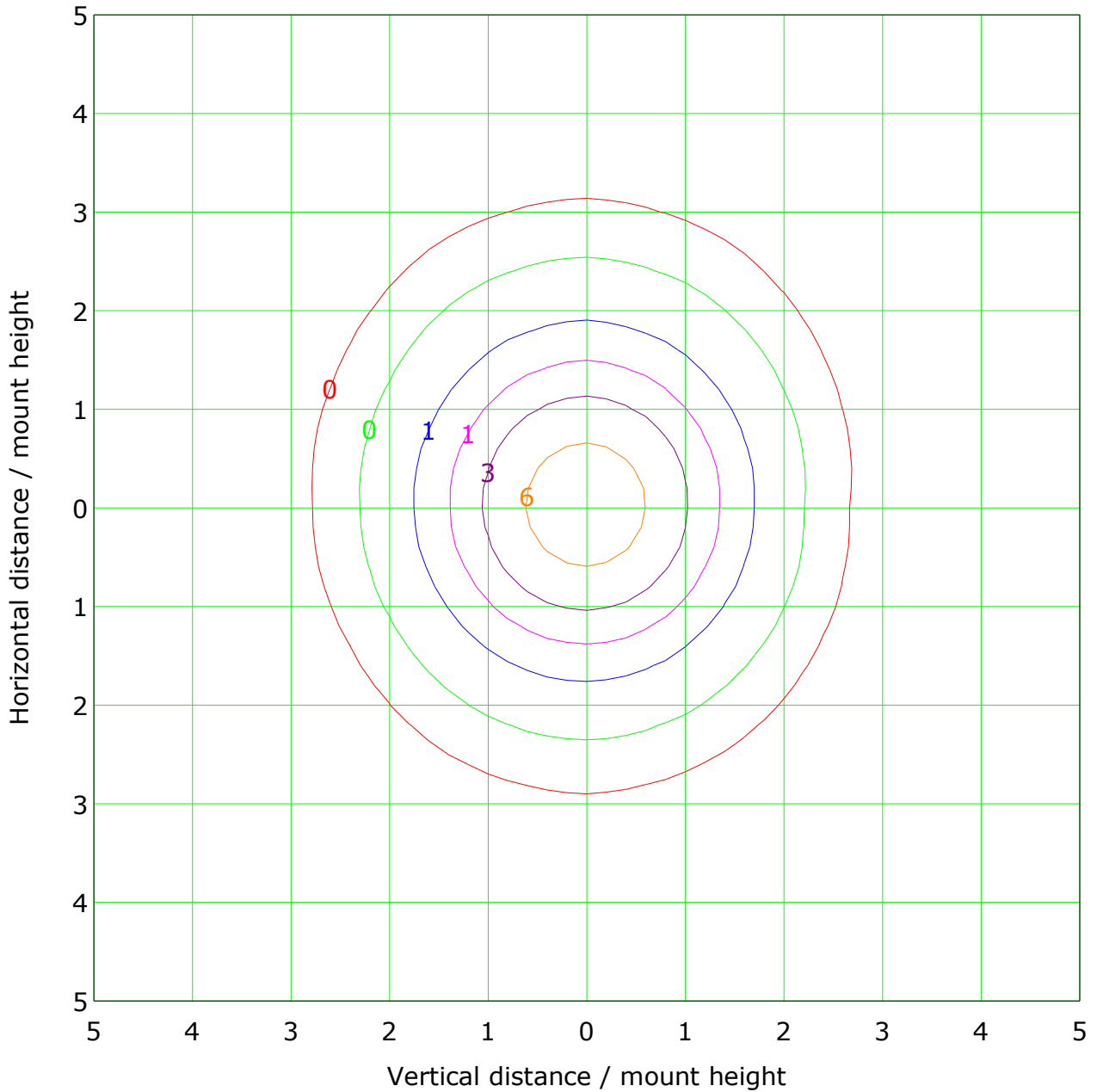
Imax (100%): 1264 cd

— (10%): 126 cd	— (16%): 202 cd
— (25%): 316 cd	— (40%): 505 cd
— (63%): 796 cd	— (100%): 1264 cd

C Plane (°):0.0-360.0: 30.0
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Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.383 m
 Humidity: 78
 Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 12.6 lx

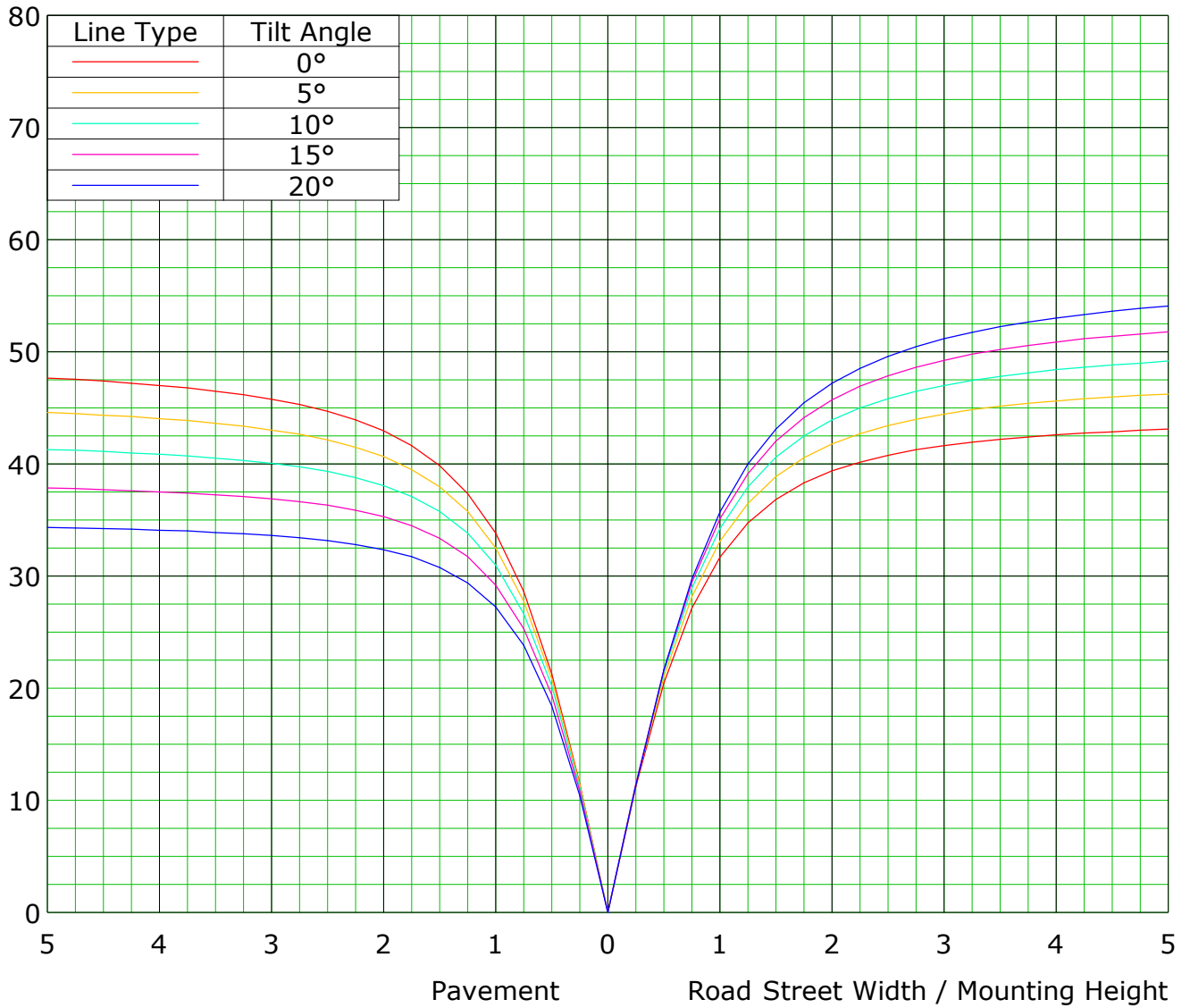
(1%): 0.1 lx	(2%): 0.3 lx
(5%): 0.6 lx	(10%): 1.3 lx
(20%): 2.5 lx	(50%): 6.3 lx
(100%): 12.6 lx	

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

Roadway CU Curve

Efficiency(%)



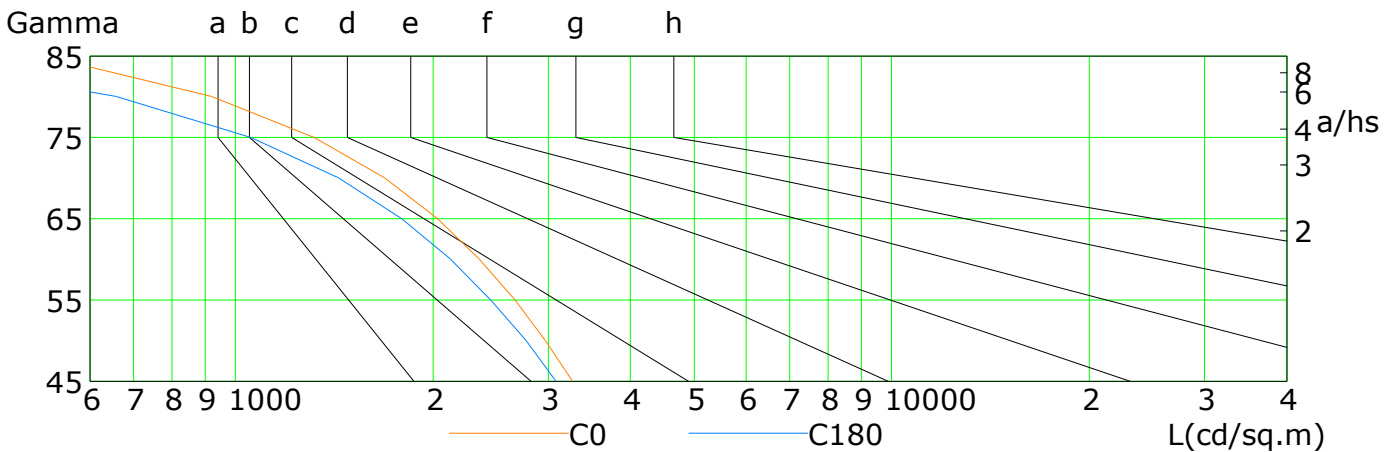
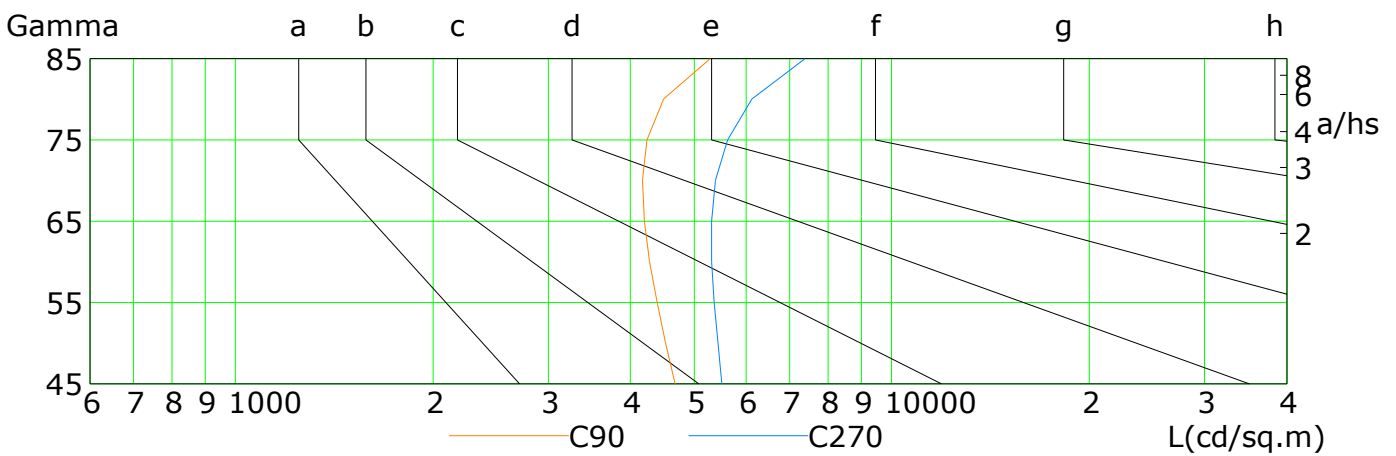
C Plane (°):0.0-360.0: 30.0
 Test Lab:
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Gamma Plane (°):0.0-180.0:1.0
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 Distance: 8.383 m
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 Inspector:

Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
		2000	1000	500	<=300				
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

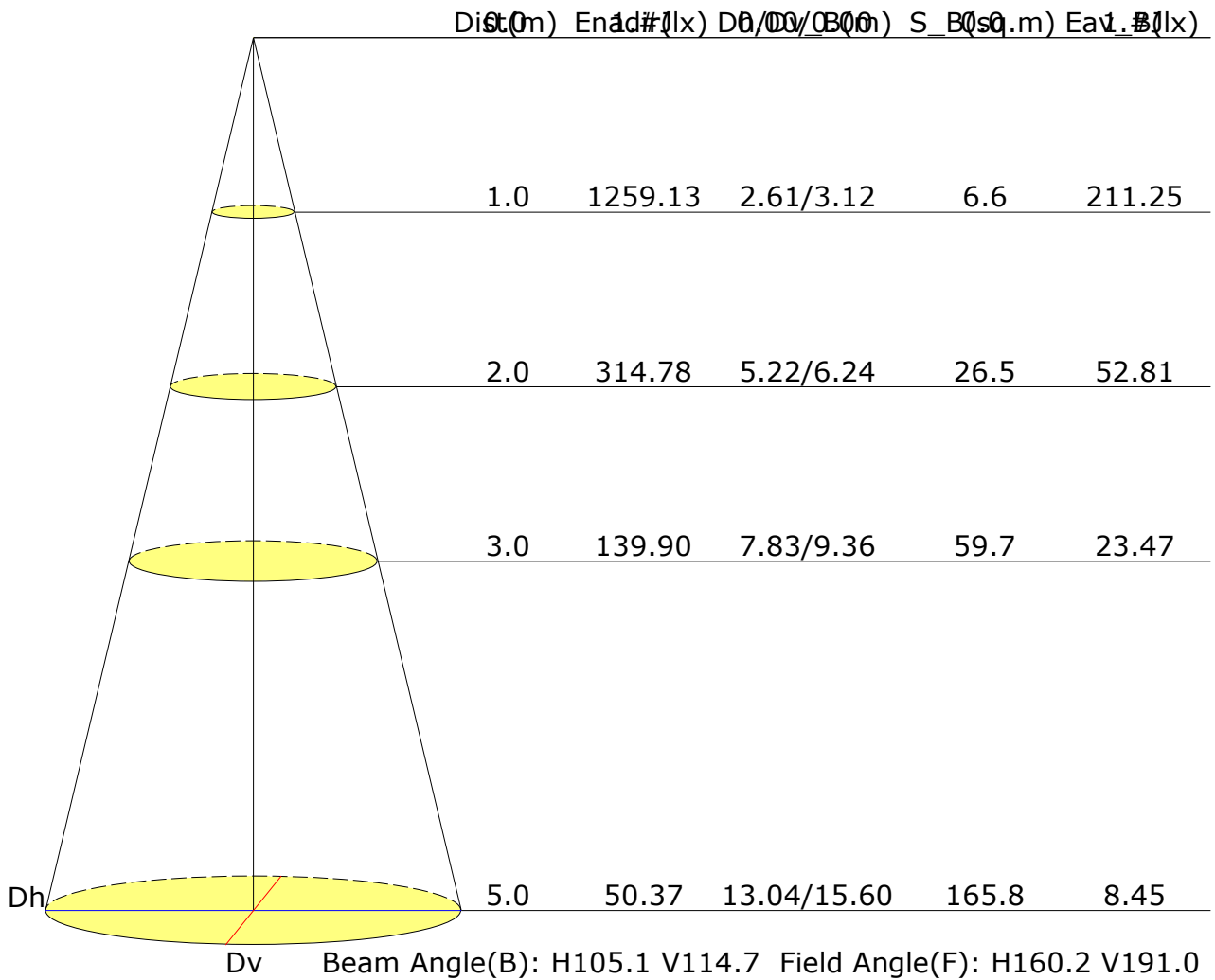


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	3269	2968	2666	2356	2033	1690	1317	919	513
C90	4676	4523	4390	4274	4201	4175	4234	4493	5289
C180	3084	2771	2452	2128	1795	1437	1056	659	304
C270	5509	5434	5366	5321	5315	5392	5622	6123	7388

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Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.383 m
 Humidity: 78
 Inspector:

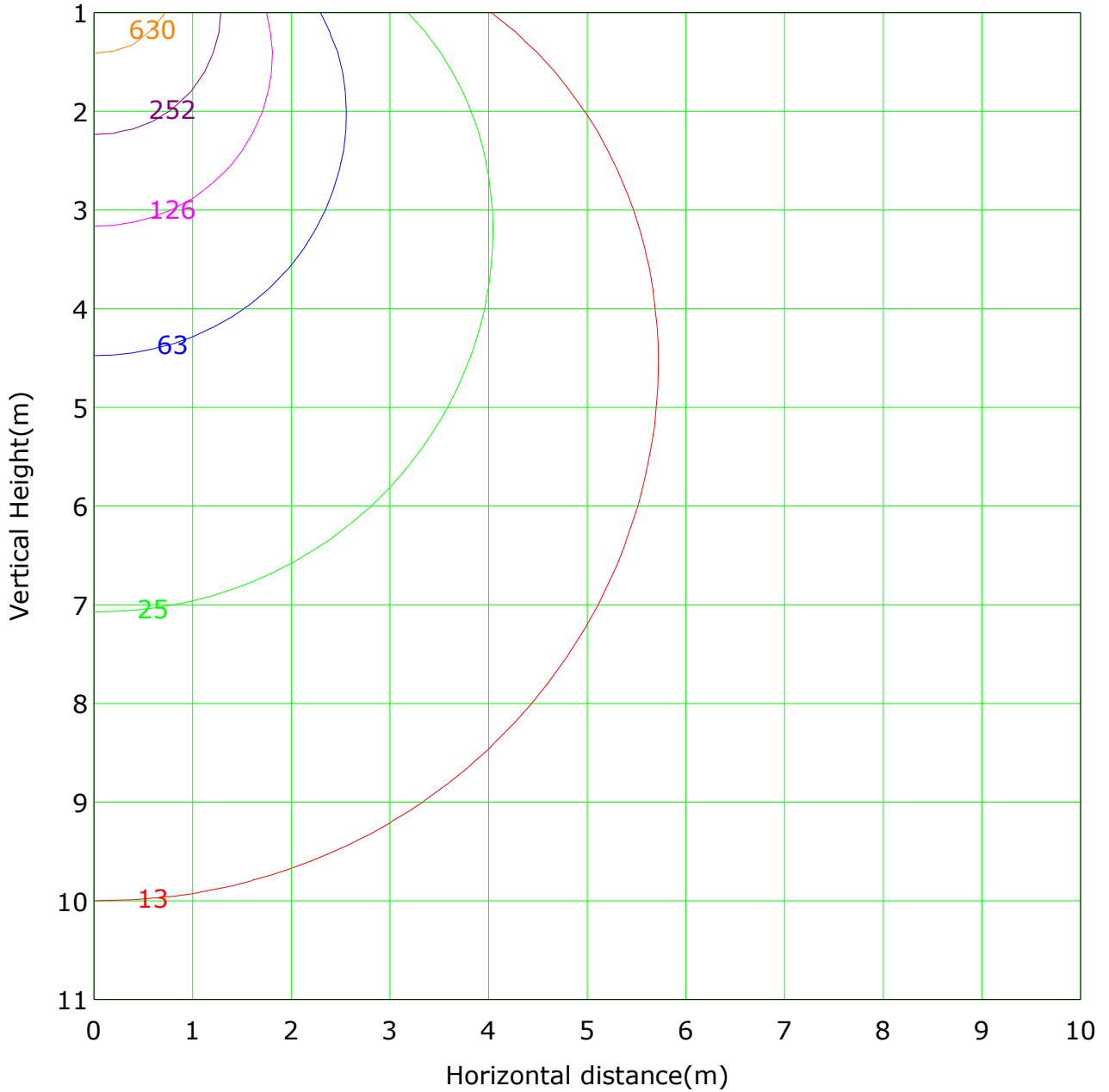
Illuminance at a Distance



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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.383 m
 Humidity: 78
 Inspector:

Vertical IsoLux Plot



Lowest(m): 1.0m	Highest(m): 11.0m	Max Lux: 1259.1 lx
— (1%): 12.6 lx	— (2%): 25.2 lx	— (10%): 125.9 lx
— (5%): 63.0 lx	— (20%): 251.8 lx	— (50%): 629.6 lx
— (100%):1259.1 lx		

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Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.383 m
 Humidity: 78
 Inspector:

Area Flux Table

Unit: lm

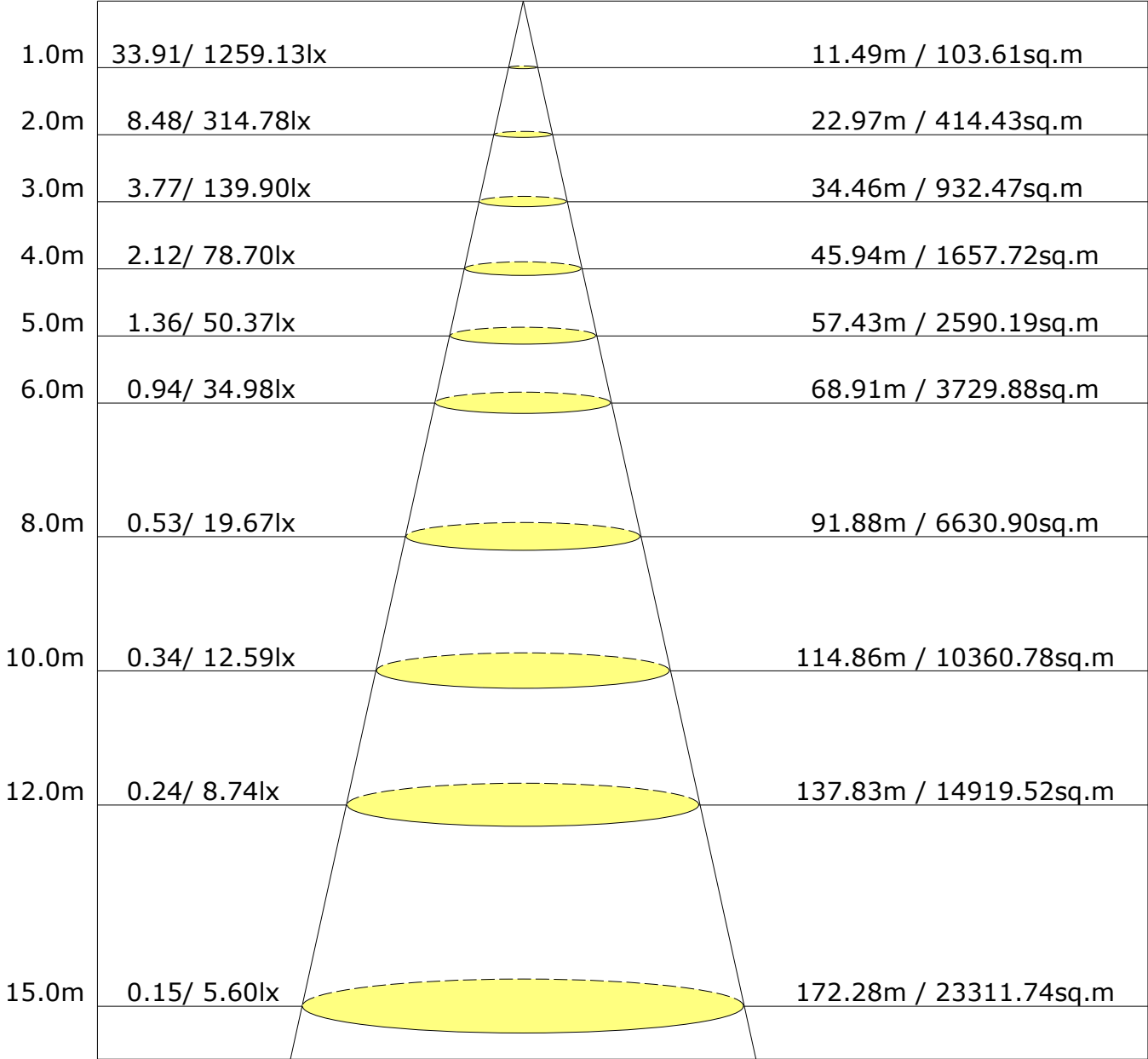
		Vertical plane																				
		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
Horizontal plane	90	0.1	0.5	1.1	2.1	3.4	4.9	6.2	7.1	7.8	7.9	7.3	6.4	5.2	3.7	2.3	1.3	0.6	0.1	68.0	62.2	
	80	0.1	0.6	1.6	3.3	5.3	7.6	9.6	11.1	12.1	12.2	11.3	9.9	7.9	5.6	3.5	1.9	0.8	0.1	104.5	102.0	
	70	0.1	0.8	2.3	4.6	7.5	10.6	13.5	15.6	16.9	17.0	15.8	13.9	11.0	7.9	4.9	2.6	1.0	0.2	146.0	144.7	
	60	0.1	1.0	3.0	5.9	9.7	13.7	17.5	20.3	22.1	22.2	20.7	18.0	14.2	10.1	6.3	3.3	1.2	0.2	189.6	188.7	
	50	0.2	1.2	3.6	7.2	11.7	16.7	21.4	25.0	27.1	27.2	25.4	21.9	17.3	12.3	7.7	4.0	1.5	0.2	231.5	230.9	
	40	0.2	1.4	4.2	8.3	13.6	19.3	24.8	29.0	31.4	31.6	29.4	25.3	19.9	14.2	8.9	4.6	1.7	0.2	268.0	267.4	
	30	0.2	1.5	4.6	9.2	15.0	21.3	27.4	32.1	34.7	34.9	32.5	28.0	22.0	15.7	9.8	5.1	1.8	0.3	296.1	295.6	
	20	0.2	1.6	4.8	9.7	15.9	22.7	29.1	34.1	36.9	37.1	34.6	29.8	23.5	16.7	10.5	5.4	1.9	0.3	314.6	314.2	
	10	0.2	1.6	4.9	9.9	16.2	23.2	29.8	34.9	37.8	38.0	35.4	30.5	24.1	17.1	10.7	5.5	1.9	0.3	321.9	321.5	
	0	0.2	1.6	4.8	9.8	16.0	22.8	29.3	34.3	37.1	37.3	34.8	30.0	23.7	16.9	10.6	5.4	1.9	0.3	316.9	316.4	
	10	0.2	1.5	4.7	9.4	15.3	21.7	27.7	32.4	35.0	35.2	32.9	28.4	22.5	16.1	10.1	5.2	1.9	0.3	300.4	300.0	
	20	0.2	1.4	4.3	8.7	14.0	19.8	25.2	29.5	31.9	32.1	30.0	25.9	20.5	14.7	9.3	4.8	1.7	0.2	274.4	273.9	
	30	0.2	1.3	3.9	7.7	12.3	17.4	22.1	25.7	27.8	28.0	26.2	22.6	18.0	12.9	8.2	4.3	1.6	0.2	240.4	239.8	
	40	0.1	1.1	3.3	6.5	10.4	14.5	18.4	21.4	23.1	23.2	21.7	18.9	15.1	10.9	6.9	3.7	1.4	0.2	200.7	200.0	
	50	0.1	0.9	2.6	5.2	8.3	11.5	14.5	16.8	18.1	18.2	17.1	14.9	12.0	8.7	5.5	3.0	1.1	0.2	158.9	157.8	
	60	0.1	0.7	2.0	3.9	6.2	8.6	10.8	12.4	13.4	13.5	12.6	11.1	8.9	6.5	4.1	2.2	0.9	0.2	118.1	116.3	
	70	0.1	0.5	1.4	2.7	4.2	5.9	7.4	8.4	9.2	9.2	8.6	7.6	6.1	4.4	2.8	1.6	0.6	0.1	80.8	77.0	
	80	0.1	0.4	0.9	1.7	2.6	3.7	4.6	5.2	5.7	5.7	5.3	4.7	3.8	2.8	1.8	1.0	0.5	0.1	50.4	40.5	
90	2.5	19.6	58.0	115.7	187.6	265.8	339.1	395.4	428.2	430.3	401.5	347.9	275.7	197.2	124.1	64.9	23.9	3.7	3681			
	0.0	14.1	54.0	112.6	186.0	265.2	339.0	395.4	428.2	430.3	401.5	347.9	275.2	195.9	121.6	61.5	19.9	0.4		3649		

C Plane (°):0.0-360.0: 30.0
 Test Lab:
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Gamma Plane (°):0.0-180.0:1.0
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 Distance: 8.383 m
 Humidity: 78
 Inspector:

The Average Illuminance Effective Figure

Flux Out: 3513.42lm



Height Avg./Nadir. E Beam Angle:160.2° Diameter / Area

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UGR Table

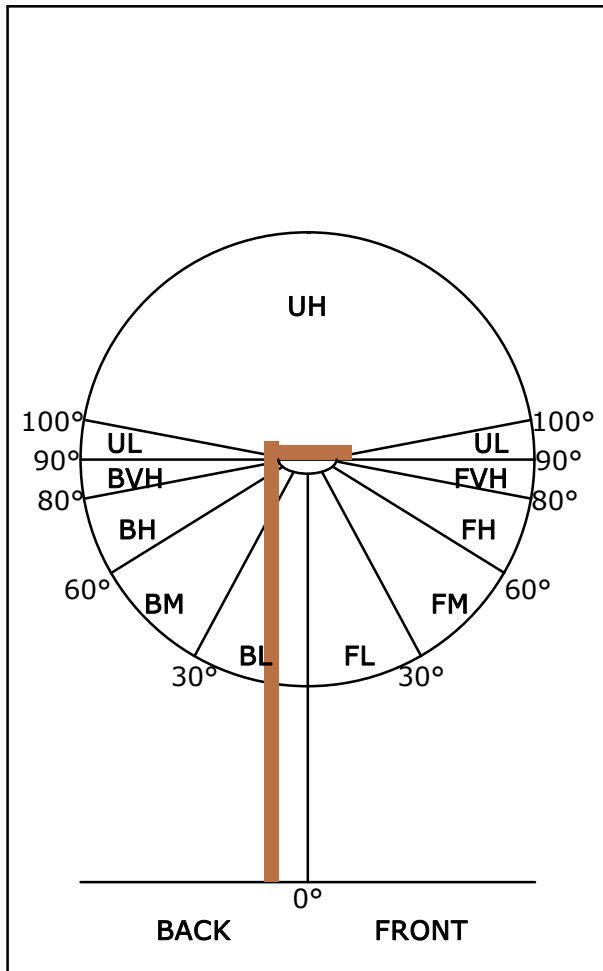
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	11.1	12.7	11.6	13.1	13.6	9.9	11.5	10.4	11.9	12.3
3H	12.9	14.3	13.4	14.8	15.3	11.7	13.1	12.1	13.5	14.0
4H	13.6	14.9	14.1	15.4	15.9	12.4	13.7	12.9	14.2	14.7
6H	14.1	15.4	14.6	15.8	16.3	13.0	14.3	13.5	14.7	15.2
8H	14.3	15.5	14.8	16.0	16.5	13.3	14.5	13.8	15.0	15.5
12H	14.4	15.5	14.9	16.0	16.6	13.5	14.7	14.0	15.1	15.7
X=4H Y=2H	11.6	13.0	12.1	13.4	13.9	10.5	11.9	11.0	12.3	12.8
3H	13.6	14.7	14.1	15.2	15.8	12.5	13.6	13.0	14.1	14.6
4H	14.4	15.4	14.9	16.0	16.5	13.4	14.4	13.9	14.9	15.4
6H	15.1	16.0	15.6	16.5	17.1	14.1	15.0	14.7	15.6	16.1
8H	15.3	16.1	15.8	16.7	17.2	14.5	15.3	15.0	15.8	16.4
12H	15.4	16.2	16.0	16.8	17.4	14.8	15.5	15.3	16.1	16.7
X=8H Y=4H	14.7	15.6	15.2	16.1	16.7	13.7	14.5	14.2	15.0	15.6
6H	15.4	16.2	16.0	16.8	17.4	14.6	15.3	15.1	15.9	16.5
8H	15.8	16.4	16.3	17.0	17.6	15.0	15.7	15.6	16.3	16.9
12H	16.0	16.6	16.6	17.2	17.8	15.5	16.0	16.0	16.6	17.3
X=12H Y=4H	14.8	15.5	15.3	16.1	16.7	13.7	14.5	14.2	15.0	15.6
6H	15.6	16.2	16.2	16.8	17.4	14.7	15.3	15.2	15.9	16.5
8H	15.9	16.5	16.5	17.1	17.7	15.1	15.7	15.7	16.3	17.0

Calculate in accordance with CIE 190:2010

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FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM



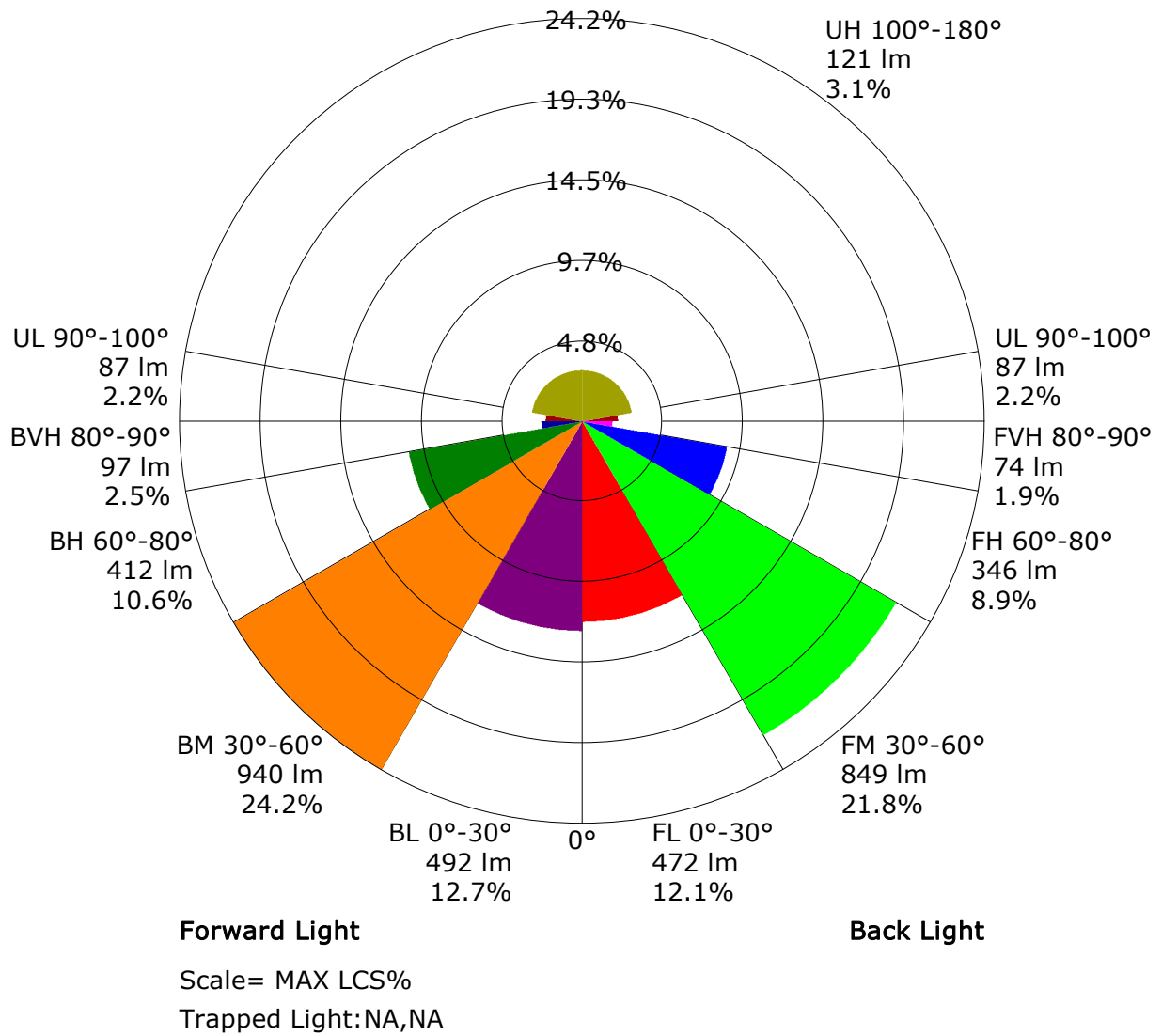
ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	1741	44.8
FL (0°-30°)	472	12.1
FM (30°-60°)	849	21.8
FH (60°-80°)	346	8.9
FVH (80°-90°)	74	1.9
BACK LIGHT	1940	49.9
BL (0°-30°)	492	12.7
BM (30°-60°)	940	24.2
BH (60°-80°)	412	10.6
BVH (80°-90°)	97	2.5
UP LIGHT	207	5.3
UL (90°-100°)	87	2.2
UH (100°-180°)	121	3.1
TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B1 U3 G1
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B1 U3 G1

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LCS Graph



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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	0.54	0.64	0.71	0.76	0.83	0.88	0.92	0.97	1.00
		0.30	0.46	0.56	0.63	0.69	0.77	0.82	0.86	0.92	0.96
		0.20	0.40	0.50	0.57	0.63	0.71	0.77	0.82	0.88	0.92
0.50	0.50	0.20	0.52	0.61	0.68	0.73	0.79	0.84	0.87	0.92	0.94
		0.30	0.45	0.54	0.61	0.66	0.74	0.79	0.83	0.88	0.91
		0.20	0.39	0.49	0.56	0.61	0.69	0.75	0.79	0.84	0.88
0.30	0.50	0.20	0.50	0.59	0.65	0.69	0.76	0.80	0.83	0.87	0.90
		0.30	0.44	0.53	0.59	0.64	0.71	0.76	0.79	0.84	0.87
		0.20	0.39	0.48	0.55	0.60	0.67	0.72	0.76	0.81	0.85
0.00	0.00	0.00	0.36	0.45	0.51	0.56	0.63	0.67	0.71	0.76	0.79
<p>Rating:36W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>											

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.383 m
Humidity: 78
Inspector:

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	1.01	0.84	0.73	0.64	0.52	0.43	0.38	0.30	0.25	
	0.30		0.84	0.72	0.63	0.57	0.47	0.40	0.35	0.28	0.23	
	0.20		0.72	0.63	0.56	0.51	0.43	0.37	0.32	0.26	0.22	
0.50	0.50	0.20	0.97	0.80	0.69	0.61	0.49	0.44	0.36	0.28	0.23	
	0.30		0.82	0.70	0.61	0.54	0.45	0.38	0.33	0.27	0.22	
	0.20		0.71	0.62	0.55	0.49	0.41	0.35	0.31	0.25	0.21	
0.30	0.50	0.20	0.93	0.76	0.66	0.58	0.47	0.39	0.34	0.27	0.22	
	0.30		0.79	0.67	0.59	0.52	0.43	0.37	0.32	0.25	0.21	
	0.20		0.69	0.60	0.53	0.48	0.40	0.34	0.30	0.24	0.20	
0.00	0.00	0.00	0.59	0.50	0.44	0.39	0.32	0.27	0.24	0.19	0.16	
<p>Rating:36W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>												

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.383 m
 Humidity: 78
 Inspector:

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	0.22	0.23	0.24	0.24	0.25	0.26	0.26	0.27	0.27
	0.30		0.15	0.16	0.18	0.19	0.20	0.21	0.22	0.23	0.24
	0.20		0.10	0.11	0.13	0.14	0.16	0.17	0.19	0.20	0.21
0.50	0.50	0.20	0.21	0.22	0.23	0.23	0.24	0.25	0.25	0.26	0.26
	0.30		0.14	0.16	0.17	0.18	0.19	0.21	0.21	0.22	0.23
	0.20		0.10	0.11	0.12	0.14	0.15	0.17	0.18	0.20	0.21
0.30	0.50	0.20	0.20	0.21	0.22	0.23	0.23	0.24	0.24	0.25	0.25
	0.30		0.14	0.16	0.17	0.18	0.19	0.20	0.21	0.22	0.22
	0.20		0.10	0.11	0.12	0.13	0.15	0.17	0.18	0.19	0.20
0.00	0.00	0.00	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
<p>Rating:36W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>											

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.383 m
Humidity: 78
Inspector:

Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	1257.6	1.2	1.2	0.03	0.03
1.0-2.0	1257.0	3.6	4.8	0.09	0.12
2.0-3.0	1255.9	6.0	10.8	0.15	0.28
3.0-4.0	1254.3	8.4	19.2	0.22	0.49
4.0-5.0	1252.1	10.8	30.0	0.28	0.77
5.0-6.0	1249.4	13.1	43.1	0.34	1.11
6.0-7.0	1246.1	15.5	58.6	0.40	1.51
7.0-8.0	1242.3	17.8	76.4	0.46	1.96
8.0-9.0	1238.0	20.1	96.4	0.52	2.48
9.0-10.0	1233.2	22.3	118.8	0.57	3.05
10.0-11.0	1227.9	24.5	143.3	0.63	3.68
11.0-12.0	1222.2	26.7	170.0	0.69	4.37
12.0-13.0	1215.9	28.9	198.9	0.74	5.11
13.0-14.0	1209.2	31.0	229.8	0.80	5.91
14.0-15.0	1202.0	33.0	262.8	0.85	6.76
15.0-16.0	1194.4	35.0	297.8	0.90	7.66
16.0-17.0	1186.3	36.9	334.8	0.95	8.61
17.0-18.0	1177.8	38.8	373.6	1.00	9.61
18.0-19.0	1168.9	40.7	414.3	1.05	10.65
19.0-20.0	1159.6	42.4	456.7	1.09	11.75
20.0-21.0	1149.9	44.2	500.9	1.14	12.88
21.0-22.0	1139.7	45.8	546.7	1.18	14.06
22.0-23.0	1129.2	47.4	594.1	1.22	15.28
23.0-24.0	1118.2	48.9	643.0	1.26	16.54
24.0-25.0	1106.9	50.3	693.3	1.29	17.83
25.0-26.0	1095.3	51.7	745.0	1.33	19.16
26.0-27.0	1083.2	53.0	798.1	1.36	20.52
27.0-28.0	1070.8	54.2	852.3	1.39	21.92
28.0-29.0	1058.1	55.4	907.6	1.42	23.34
29.0-30.0	1044.9	56.4	964.1	1.45	24.79
30.0-31.0	1031.4	57.4	1021.5	1.48	26.27
31.0-32.0	1017.6	58.3	1079.8	1.50	27.77
32.0-33.0	1003.5	59.1	1138.9	1.52	29.29
33.0-34.0	989.1	59.9	1198.8	1.54	30.83
34.0-35.0	974.4	60.5	1259.3	1.56	32.38
35.0-36.0	959.4	61.1	1320.4	1.57	33.95

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.383 m
 Humidity: 78
 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	944.0	61.6	1382.0	1.58	35.54
37.0-38.0	928.5	62.0	1443.9	1.59	37.13
38.0-39.0	912.7	62.3	1506.2	1.60	38.73
39.0-40.0	896.6	62.5	1568.8	1.61	40.34
40.0-41.0	880.3	62.7	1631.5	1.61	41.95
41.0-42.0	863.9	62.8	1694.3	1.61	43.57
42.0-43.0	847.2	62.8	1757.0	1.61	45.18
43.0-44.0	830.4	62.7	1819.7	1.61	46.79
44.0-45.0	813.4	62.5	1882.2	1.61	48.40
45.0-46.0	796.3	62.3	1944.5	1.60	50.00
46.0-47.0	779.0	62.0	2006.5	1.59	51.60
47.0-48.0	761.6	61.6	2068.1	1.58	53.18
48.0-49.0	744.2	61.1	2129.2	1.57	54.75
49.0-50.0	726.6	60.6	2189.8	1.56	56.31
50.0-51.0	709.0	60.0	2249.8	1.54	57.85
51.0-52.0	691.3	59.3	2309.1	1.53	59.38
52.0-53.0	673.6	58.6	2367.7	1.51	60.89
53.0-54.0	655.9	57.8	2425.5	1.49	62.37
54.0-55.0	638.1	57.0	2482.5	1.46	63.84
55.0-56.0	620.3	56.1	2538.5	1.44	65.28
56.0-57.0	602.5	55.1	2593.6	1.42	66.70
57.0-58.0	584.9	54.1	2647.7	1.39	68.09
58.0-59.0	567.3	53.0	2700.8	1.36	69.45
59.0-60.0	549.7	51.9	2752.7	1.34	70.79
60.0-61.0	532.1	50.8	2803.5	1.31	72.09
61.0-62.0	514.5	49.6	2853.1	1.28	73.37
62.0-63.0	497.2	48.4	2901.4	1.24	74.61
63.0-64.0	479.9	47.1	2948.5	1.21	75.82
64.0-65.0	462.7	45.8	2994.3	1.18	77.00
65.0-66.0	445.6	44.5	3038.8	1.14	78.14
66.0-67.0	428.6	43.1	3081.9	1.11	79.25
67.0-68.0	411.6	41.7	3123.6	1.07	80.33
68.0-69.0	395.0	40.3	3163.9	1.04	81.36
69.0-70.0	378.4	38.9	3202.8	1.00	82.36
70.0-71.0	362.0	37.4	3240.2	0.96	83.32
71.0-72.0	345.9	36.0	3276.2	0.92	84.25

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.383 m
 Humidity: 78
 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	329.8	34.5	3310.7	0.89	85.14
73.0-74.0	313.9	33.0	3343.7	0.85	85.98
74.0-75.0	298.2	31.5	3375.2	0.81	86.80
75.0-76.0	282.8	30.0	3405.2	0.77	87.57
76.0-77.0	267.7	28.5	3433.8	0.73	88.30
77.0-78.0	252.9	27.1	3460.8	0.70	89.00
78.0-79.0	238.3	25.6	3486.4	0.66	89.66
79.0-80.0	224.1	24.2	3510.6	0.62	90.28
80.0-81.0	210.2	22.7	3533.3	0.58	90.86
81.0-82.0	196.8	21.3	3554.7	0.55	91.41
82.0-83.0	183.9	20.0	3574.7	0.51	91.93
83.0-84.0	171.5	18.7	3593.4	0.48	92.41
84.0-85.0	159.6	17.4	3610.8	0.45	92.85
85.0-86.0	148.4	16.2	3627.0	0.42	93.27
86.0-87.0	137.9	15.1	3642.1	0.39	93.66
87.0-88.0	128.2	14.0	3656.1	0.36	94.02
88.0-89.0	119.4	13.1	3669.2	0.34	94.36
89.0-90.0	111.3	12.2	3681.4	0.31	94.67
90.0-91.0	104.0	11.4	3692.8	0.29	94.96
91.0-92.0	97.3	10.7	3703.5	0.27	95.24
92.0-93.0	91.2	10.0	3713.5	0.26	95.50
93.0-94.0	85.6	9.4	3722.9	0.24	95.74
94.0-95.0	80.3	8.8	3731.6	0.23	95.96
95.0-96.0	75.5	8.2	3739.9	0.21	96.17
96.0-97.0	71.0	7.7	3747.6	0.20	96.37
97.0-98.0	66.8	7.3	3754.9	0.19	96.56
98.0-99.0	62.8	6.8	3761.7	0.18	96.73
99.0-100.0	59.2	6.4	3768.1	0.16	96.90
100.0-101.0	55.8	6.0	3774.1	0.15	97.05
101.0-102.0	52.8	5.7	3779.8	0.15	97.20
102.0-103.0	50.0	5.3	3785.1	0.14	97.34
103.0-104.0	47.3	5.0	3790.2	0.13	97.47
104.0-105.0	44.8	4.8	3794.9	0.12	97.59
105.0-106.0	42.3	4.5	3799.4	0.12	97.70
106.0-107.0	39.9	4.2	3803.6	0.11	97.81
107.0-108.0	37.7	3.9	3807.6	0.10	97.91

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.383 m
 Humidity: 78
 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	35.7	3.7	3811.3	0.10	98.01
109.0-110.0	34.0	3.5	3814.8	0.09	98.10
110.0-111.0	32.4	3.3	3818.1	0.09	98.19
111.0-112.0	31.0	3.2	3821.3	0.08	98.27
112.0-113.0	29.8	3.0	3824.3	0.08	98.34
113.0-114.0	28.6	2.9	3827.2	0.07	98.42
114.0-115.0	27.5	2.7	3829.9	0.07	98.49
115.0-116.0	26.5	2.6	3832.5	0.07	98.56
116.0-117.0	25.5	2.5	3835.0	0.06	98.62
117.0-118.0	24.6	2.4	3837.4	0.06	98.68
118.0-119.0	23.8	2.3	3839.7	0.06	98.74
119.0-120.0	23.0	2.2	3841.9	0.06	98.80
120.0-121.0	22.2	2.1	3844.0	0.05	98.85
121.0-122.0	21.5	2.0	3846.0	0.05	98.90
122.0-123.0	20.8	1.9	3848.0	0.05	98.95
123.0-124.0	20.1	1.8	3849.8	0.05	99.00
124.0-125.0	19.5	1.8	3851.6	0.05	99.05
125.0-126.0	18.9	1.7	3853.2	0.04	99.09
126.0-127.0	18.4	1.6	3854.9	0.04	99.13
127.0-128.0	17.8	1.6	3856.4	0.04	99.17
128.0-129.0	17.3	1.5	3857.9	0.04	99.21
129.0-130.0	16.9	1.4	3859.3	0.04	99.25
130.0-131.0	16.4	1.4	3860.7	0.04	99.28
131.0-132.0	16.0	1.3	3862.0	0.03	99.31
132.0-133.0	15.6	1.3	3863.3	0.03	99.35
133.0-134.0	15.3	1.2	3864.5	0.03	99.38
134.0-135.0	14.9	1.2	3865.7	0.03	99.41
135.0-136.0	14.6	1.1	3866.8	0.03	99.44
136.0-137.0	14.3	1.1	3867.9	0.03	99.46
137.0-138.0	14.0	1.0	3868.9	0.03	99.49
138.0-139.0	13.8	1.0	3869.9	0.03	99.52
139.0-140.0	13.5	1.0	3870.9	0.02	99.54
140.0-141.0	13.3	0.9	3871.8	0.02	99.57
141.0-142.0	13.1	0.9	3872.7	0.02	99.59
142.0-143.0	12.9	0.9	3873.5	0.02	99.61
143.0-144.0	12.7	0.8	3874.4	0.02	99.63

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.383 m
 Humidity: 78
 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	12.5	0.8	3875.2	0.02	99.65
145.0-146.0	12.4	0.8	3875.9	0.02	99.67
146.0-147.0	12.2	0.7	3876.7	0.02	99.69
147.0-148.0	12.1	0.7	3877.4	0.02	99.71
148.0-149.0	12.0	0.7	3878.1	0.02	99.73
149.0-150.0	11.9	0.7	3878.8	0.02	99.74
150.0-151.0	11.8	0.6	3879.4	0.02	99.76
151.0-152.0	11.8	0.6	3880.0	0.02	99.78
152.0-153.0	11.7	0.6	3880.6	0.02	99.79
153.0-154.0	11.7	0.6	3881.2	0.01	99.81
154.0-155.0	11.7	0.5	3881.7	0.01	99.82
155.0-156.0	11.6	0.5	3882.3	0.01	99.83
156.0-157.0	11.6	0.5	3882.8	0.01	99.85
157.0-158.0	11.6	0.5	3883.2	0.01	99.86
158.0-159.0	11.7	0.5	3883.7	0.01	99.87
159.0-160.0	11.7	0.4	3884.2	0.01	99.88
160.0-161.0	11.7	0.4	3884.6	0.01	99.89
161.0-162.0	11.7	0.4	3885.0	0.01	99.91
162.0-163.0	11.8	0.4	3885.4	0.01	99.92
163.0-164.0	11.8	0.4	3885.8	0.01	99.92
164.0-165.0	11.8	0.3	3886.1	0.01	99.93
165.0-166.0	11.9	0.3	3886.4	0.01	99.94
166.0-167.0	11.9	0.3	3886.7	0.01	99.95
167.0-168.0	12.0	0.3	3887.0	0.01	99.96
168.0-169.0	12.0	0.3	3887.3	0.01	99.96
169.0-170.0	12.0	0.2	3887.5	0.01	99.97
170.0-171.0	12.1	0.2	3887.7	0.01	99.98
171.0-172.0	12.1	0.2	3887.9	0.01	99.98
172.0-173.0	12.1	0.2	3888.1	0.00	99.99
173.0-174.0	12.1	0.2	3888.3	0.00	99.99
174.0-175.0	12.1	0.1	3888.4	0.00	99.99
175.0-176.0	12.1	0.1	3888.5	0.00	100.00
176.0-177.0	12.1	0.1	3888.6	0.00	100.00
177.0-178.0	12.1	0.1	3888.6	0.00	100.00
178.0-179.0	12.1	0.0	3888.7	0.00	100.00
179.0-180.0	12.1	0.0	3888.7	0.00	100.00

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.383 m
 Humidity: 78
 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	1259.1	1258.2	1258.0	1258.4	1257.0	1255.5	1259.1	1258.2	1258.0	1258.4
G1.0	1259.5	1257.1	1256.0	1255.7	1254.3	1253.4	1258.2	1258.6	1259.6	1260.6
G2.0	1259.2	1255.6	1253.3	1252.4	1251.0	1250.9	1256.9	1258.5	1260.5	1262.2
G3.0	1258.5	1253.6	1250.0	1248.6	1247.1	1247.7	1254.9	1257.8	1261.0	1263.2
G4.0	1257.1	1251.0	1246.4	1244.3	1242.7	1244.0	1252.4	1256.5	1260.8	1263.7
G5.0	1255.2	1247.8	1242.2	1239.4	1237.9	1239.8	1249.4	1254.8	1260.1	1263.6
G6.0	1252.8	1244.2	1237.6	1234.1	1232.6	1235.2	1245.8	1252.5	1258.8	1262.8
G7.0	1249.9	1240.1	1232.2	1228.4	1226.8	1230.0	1241.6	1249.5	1256.9	1261.5
G8.0	1246.3	1235.3	1226.7	1222.3	1220.6	1224.2	1237.1	1246.0	1254.5	1259.6
G9.0	1242.2	1230.0	1220.5	1215.8	1213.9	1217.8	1231.6	1242.0	1251.5	1257.2
G10.0	1237.8	1224.4	1214.2	1208.9	1207.0	1211.2	1225.8	1237.5	1247.9	1254.3
G11.0	1232.7	1217.9	1207.2	1201.6	1199.3	1203.9	1219.7	1232.6	1243.9	1251.0
G12.0	1227.1	1211.2	1200.3	1194.0	1191.9	1196.3	1212.9	1226.8	1239.4	1246.9
G13.0	1220.8	1204.1	1192.2	1186.3	1183.5	1188.1	1205.6	1220.7	1234.4	1242.6
G14.0	1214.3	1196.4	1184.3	1177.9	1174.9	1179.7	1197.6	1214.1	1228.8	1237.7
G15.0	1206.8	1188.1	1175.8	1169.3	1165.9	1170.6	1189.3	1206.9	1223.0	1232.7
G16.0	1199.1	1179.8	1167.1	1160.4	1156.8	1161.2	1180.3	1199.0	1216.5	1227.0
G17.0	1190.9	1170.6	1157.9	1150.9	1147.3	1151.3	1170.7	1190.6	1209.6	1220.9
G18.0	1182.2	1160.9	1148.4	1141.6	1137.1	1141.1	1161.0	1182.0	1202.5	1214.6
G19.0	1172.7	1151.1	1138.5	1131.6	1127.0	1130.2	1150.1	1172.9	1194.7	1207.9
G20.0	1163.2	1140.7	1128.2	1121.5	1116.3	1119.5	1139.5	1163.5	1186.8	1200.8
G21.0	1152.9	1129.7	1117.7	1110.8	1105.4	1107.6	1128.1	1152.7	1178.3	1193.5
G22.0	1142.0	1118.6	1106.7	1099.8	1094.2	1095.6	1116.5	1142.6	1169.7	1185.8
G23.0	1130.7	1107.1	1095.2	1088.4	1082.4	1083.5	1104.0	1131.6	1160.4	1177.7
G24.0	1119.2	1095.2	1083.7	1076.7	1070.2	1070.7	1091.3	1119.9	1150.7	1169.1
G25.0	1107.1	1082.3	1071.8	1065.1	1058.2	1058.0	1078.2	1108.3	1141.1	1160.3
G26.0	1094.6	1069.9	1059.6	1052.7	1045.7	1044.4	1064.8	1095.8	1131.1	1151.1
G27.0	1081.6	1056.7	1046.7	1040.3	1032.7	1030.8	1050.8	1083.4	1120.3	1141.3
G28.0	1068.4	1043.3	1034.1	1027.2	1019.2	1016.9	1036.7	1070.3	1109.5	1131.5
G29.0	1054.7	1029.2	1020.9	1014.0	1005.7	1002.6	1021.9	1056.5	1097.9	1121.3
G30.0	1040.2	1015.1	1007.1	1000.9	991.6	988.1	1006.7	1043.0	1086.4	1110.6
G31.0	1025.8	1000.4	993.3	986.8	977.5	972.9	990.5	1028.5	1074.4	1099.5
G32.0	1011.0	985.6	978.8	972.7	963.4	958.1	975.4	1014.7	1062.0	1088.3
G33.0	995.8	970.9	964.7	958.4	948.4	942.4	958.9	999.6	1049.3	1076.3
G34.0	980.3	955.1	949.9	943.7	933.7	927.0	942.8	985.2	1035.9	1064.3
G35.0	964.4	939.8	935.1	929.1	918.2	911.0	926.1	969.1	1022.8	1051.8
G36.0	947.8	923.7	919.4	913.6	903.0	894.7	909.4	953.6	1009.3	1038.7

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.383 m
 Humidity: 78
 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	932.0	907.8	904.3	898.5	887.4	878.3	891.5	937.5	995.1	1024.9
G38.0	915.4	891.0	888.5	882.6	871.5	861.8	874.4	922.0	981.0	1011.5
G39.0	898.4	874.4	872.6	866.8	855.5	845.1	856.7	905.5	966.0	997.8
G40.0	880.9	857.6	856.1	851.2	839.3	828.2	838.8	888.1	951.3	983.8
G41.0	863.9	841.0	840.2	835.1	822.9	811.5	820.5	871.7	935.8	968.8
G42.0	846.3	823.3	823.7	819.2	806.4	793.9	802.8	854.7	920.7	953.7
G43.0	828.4	806.7	807.4	802.8	789.7	776.8	784.2	837.2	905.1	938.9
G44.0	810.8	788.7	790.1	786.2	772.9	759.3	766.3	820.6	888.8	923.1
G45.0	792.6	771.3	773.9	770.0	756.7	742.0	747.7	802.2	872.6	907.2
G46.0	774.3	753.5	756.6	753.4	739.1	723.9	729.0	784.9	856.5	891.2
G47.0	756.4	736.0	739.6	736.7	722.9	707.0	709.8	767.0	839.1	875.0
G48.0	737.9	717.7	722.9	720.0	705.9	689.2	691.4	749.0	823.0	858.5
G49.0	719.8	699.7	706.6	703.3	688.9	671.0	672.5	730.9	805.6	841.8
G50.0	700.8	682.0	689.0	686.7	671.9	653.6	654.0	712.8	788.9	824.9
G51.0	682.8	663.8	672.3	670.3	655.3	636.0	634.2	694.6	771.6	808.3
G52.0	663.6	645.7	655.1	653.3	638.3	618.2	615.6	676.3	754.3	790.8
G53.0	645.7	628.3	637.9	637.4	621.7	600.3	596.5	658.0	736.8	774.0
G54.0	625.9	609.6	620.8	620.5	604.4	582.3	577.8	639.9	719.5	757.0
G55.0	607.4	591.8	604.5	604.8	588.0	565.0	558.7	621.0	701.5	739.2
G56.0	588.1	573.7	587.2	588.1	571.2	546.8	539.6	603.5	684.3	721.8
G57.0	570.1	555.5	569.9	572.3	554.6	529.1	520.2	584.7	666.2	704.4
G58.0	551.3	537.5	553.1	556.2	538.5	512.2	501.6	566.3	649.0	687.3
G59.0	532.2	519.3	537.1	540.5	522.0	494.6	483.1	548.1	631.5	669.7
G60.0	513.3	501.3	520.1	524.3	505.7	476.6	463.8	530.2	614.7	652.7
G61.0	494.4	483.8	503.9	508.9	489.8	459.9	444.5	512.0	596.0	635.4
G62.0	475.5	465.8	487.1	493.2	473.3	442.6	426.0	493.4	578.5	618.6
G63.0	457.5	448.5	471.8	477.8	458.3	425.3	407.1	475.6	561.5	601.0
G64.0	438.0	431.0	455.4	462.6	442.3	407.9	388.7	457.5	544.5	584.2
G65.0	419.4	413.6	439.7	448.0	426.9	391.1	370.3	439.9	527.6	566.9
G66.0	401.0	396.0	423.8	432.6	411.4	374.5	350.9	421.6	510.2	550.4
G67.0	382.7	378.6	408.2	417.5	396.1	357.7	332.7	403.9	493.2	533.7
G68.0	363.6	361.4	392.8	403.1	381.1	340.7	313.8	386.3	476.5	517.2
G69.0	345.0	344.3	378.3	388.7	366.5	324.6	295.9	369.3	459.9	500.8
G70.0	326.4	327.4	362.9	375.0	351.5	308.0	277.6	352.0	443.5	484.3
G71.0	308.7	310.6	348.0	360.2	337.6	292.6	259.7	334.9	427.2	469.0
G72.0	290.2	294.7	333.6	346.8	322.9	276.6	241.6	317.5	411.5	453.0
G73.0	271.7	278.3	319.5	333.0	309.4	261.3	223.8	301.0	395.5	436.8

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.383 m
 Humidity: 78
 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	254.0	262.2	305.2	319.4	295.3	245.9	206.0	284.8	379.7	421.5
G75.0	235.2	246.1	290.7	306.1	281.8	230.9	188.6	268.5	364.1	406.4
G76.0	217.9	231.0	277.4	293.1	268.8	216.3	171.5	252.1	348.9	391.0
G77.0	200.4	215.7	264.1	280.4	255.6	202.0	155.0	236.7	334.2	375.9
G78.0	183.5	201.0	251.4	267.8	242.6	188.1	138.0	221.4	319.0	361.5
G79.0	165.7	186.7	238.3	255.3	230.5	174.5	122.8	206.7	304.4	346.9
G80.0	149.4	172.8	225.6	243.6	218.5	161.4	107.1	191.4	290.0	332.1
G81.0	133.0	159.5	213.6	232.0	206.6	148.9	92.8	177.8	276.2	318.4
G82.0	117.4	146.7	202.5	220.8	195.4	136.6	79.2	163.7	262.4	304.1
G83.0	102.1	134.3	190.6	209.5	184.4	125.0	66.6	150.8	248.8	290.6
G84.0	88.4	122.8	179.7	199.4	174.1	114.6	54.8	138.4	236.0	276.9
G85.0	74.5	111.8	169.6	189.1	164.1	104.2	44.2	126.4	223.5	264.1
G86.0	62.4	101.8	160.1	179.6	154.6	95.1	35.6	114.7	211.1	251.3
G87.0	51.4	92.5	150.6	170.2	145.9	86.5	29.1	104.7	198.8	239.1
G88.0	42.0	84.1	141.9	161.4	137.4	78.9	24.8	94.8	187.3	226.7
G89.0	34.4	76.3	133.7	153.0	129.3	71.9	22.8	86.1	176.6	214.9
G90.0	28.6	69.7	125.7	145.1	121.9	65.8	22.3	78.0	166.0	203.8
G91.0	25.6	63.6	118.3	137.4	114.5	60.3	21.9	70.8	155.6	193.1
G92.0	24.6	58.4	111.4	130.3	108.1	55.5	21.5	64.3	146.3	182.6
G93.0	24.1	53.7	104.7	123.2	101.7	51.0	21.2	58.6	137.4	172.8
G94.0	23.8	49.5	98.5	116.8	95.9	47.1	20.8	53.3	128.6	163.2
G95.0	23.3	45.8	92.8	110.4	90.3	43.6	20.5	49.2	120.8	154.3
G96.0	22.9	42.4	87.4	104.7	84.9	40.5	20.1	45.6	113.1	145.3
G97.0	22.5	39.4	82.2	98.9	80.0	37.8	19.8	42.2	106.1	137.1
G98.0	22.1	36.9	77.4	93.8	75.3	35.3	19.5	39.3	99.1	129.2
G99.0	21.7	34.6	72.7	88.3	70.8	33.1	19.2	36.6	93.1	121.9
G100.0	21.4	32.4	68.4	83.6	66.8	31.1	18.9	34.1	87.6	114.9
G101.0	21.0	30.6	64.4	79.0	62.8	29.4	18.6	32.0	82.6	108.4
G102.0	20.7	29.0	60.5	74.8	59.2	27.9	18.4	30.2	77.9	102.7
G103.0	20.3	27.5	57.0	70.7	55.7	26.5	18.1	28.8	73.5	97.2
G104.0	20.0	26.4	53.8	66.9	52.6	25.4	17.8	27.5	68.8	91.8
G105.0	19.7	25.3	50.8	63.2	49.6	24.4	17.6	26.4	63.3	86.9
G106.0	19.4	24.3	47.8	59.9	46.7	23.4	17.3	25.3	58.1	82.1
G107.0	19.1	23.4	44.3	56.7	43.0	22.5	17.1	24.1	54.1	77.8
G108.0	18.8	22.5	40.8	53.6	39.8	21.7	16.9	23.1	51.1	73.4
G109.0	18.6	21.7	38.1	50.8	37.4	20.8	16.6	22.2	48.5	69.5
G110.0	18.3	20.9	35.9	47.9	35.5	20.0	16.4	21.3	46.1	65.8

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.383 m
 Humidity: 78
 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	18.1	20.1	34.4	45.4	34.0	19.3	16.2	20.6	43.8	62.3
G112.0	17.8	19.5	32.9	43.2	32.5	18.7	16.0	19.9	41.8	59.0
G113.0	17.6	18.9	31.6	41.2	31.1	18.1	15.8	19.3	39.6	56.0
G114.0	17.3	18.3	30.2	39.3	29.9	17.6	15.6	18.7	37.8	53.0
G115.0	17.1	17.9	29.0	37.5	28.7	17.2	15.4	18.1	36.0	50.3
G116.0	16.9	17.4	27.9	35.9	27.5	16.8	15.2	17.7	34.4	47.9
G117.0	16.7	17.0	26.6	34.4	26.3	16.4	15.0	17.2	32.9	45.6
G118.0	16.5	16.7	25.5	32.8	25.3	16.1	14.9	16.8	31.6	43.6
G119.0	16.3	16.3	24.5	31.4	24.3	15.8	14.7	16.4	30.2	41.6
G120.0	16.1	16.0	23.5	30.1	23.4	15.5	14.6	16.1	28.9	39.7
G121.0	15.9	15.7	22.6	28.8	22.5	15.2	14.4	15.7	27.8	37.9
G122.0	15.7	15.4	21.8	27.6	21.7	14.9	14.3	15.4	26.6	36.2
G123.0	15.5	15.2	21.0	26.5	20.9	14.7	14.1	15.1	25.5	34.5
G124.0	15.3	14.9	20.3	25.4	20.2	14.4	13.9	14.8	24.5	33.0
G125.0	15.1	14.7	19.6	24.5	19.5	14.2	13.8	14.5	23.5	31.5
G126.0	15.0	14.4	18.9	23.5	18.9	14.0	13.7	14.2	22.6	30.1
G127.0	14.8	14.2	18.3	22.6	18.3	13.8	13.6	13.9	21.7	28.8
G128.0	14.7	14.0	17.7	21.7	17.7	13.6	13.4	13.7	20.9	27.5
G129.0	14.6	13.9	17.2	20.9	17.1	13.4	13.4	13.4	20.1	26.4
G130.0	14.4	13.6	16.7	20.1	16.6	13.2	13.3	13.2	19.4	25.2
G131.0	14.3	13.5	16.2	19.4	16.2	13.1	13.1	13.0	18.7	24.1
G132.0	14.1	13.4	15.8	18.8	15.7	12.9	13.1	12.8	18.1	23.2
G133.0	14.1	13.4	15.3	18.1	15.3	12.9	13.0	12.6	17.5	22.2
G134.0	13.9	13.3	15.0	17.5	14.9	12.9	12.9	12.4	16.9	21.3
G135.0	13.8	13.2	14.6	17.0	14.6	12.9	12.9	12.2	16.4	20.4
G136.0	13.6	13.1	14.3	16.5	14.3	12.8	12.8	12.0	15.9	19.6
G137.0	13.6	13.1	13.9	16.0	13.9	12.8	12.7	11.9	15.4	18.9
G138.0	13.4	13.0	13.6	15.5	13.6	12.7	12.6	11.8	15.0	18.2
G139.0	13.4	12.9	13.4	15.1	13.3	12.7	12.6	11.7	14.6	17.5
G140.0	13.3	12.9	13.1	14.8	13.0	12.6	12.5	11.6	14.2	16.9
G141.0	13.1	12.8	12.8	14.4	12.8	12.6	12.4	11.5	13.9	16.3
G142.0	13.1	12.7	12.6	14.0	12.5	12.6	12.4	11.5	13.6	15.8
G143.0	12.9	12.6	12.4	13.7	12.3	12.6	12.3	11.5	13.2	15.3
G144.0	12.9	12.6	12.1	13.4	12.1	12.5	12.3	11.5	12.9	14.8
G145.0	12.8	12.4	12.0	13.1	11.9	12.4	12.2	11.4	12.6	14.4
G146.0	12.7	12.4	11.9	12.8	11.8	12.4	12.1	11.4	12.4	14.0
G147.0	12.6	12.4	11.8	12.6	11.8	12.4	12.1	11.4	12.1	13.6

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.383 m
 Humidity: 78
 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	12.6	12.3	11.9	12.3	11.8	12.4	12.0	11.4	11.8	13.3
G149.0	12.4	12.3	11.9	12.1	11.8	12.4	12.0	11.3	11.6	12.9
G150.0	12.4	12.2	11.9	12.0	11.8	12.3	11.9	11.3	11.4	12.6
G151.0	12.3	12.1	12.0	12.0	11.9	12.3	11.9	11.3	11.2	12.3
G152.0	12.2	12.2	12.0	12.0	11.9	12.3	11.9	11.3	11.0	12.0
G153.0	12.1	12.2	12.0	12.1	11.9	12.3	11.8	11.3	10.9	11.7
G154.0	12.1	12.2	12.0	12.1	12.0	12.3	11.8	11.2	10.8	11.5
G155.0	12.1	12.1	12.1	12.1	12.0	12.3	11.7	11.2	10.8	11.3
G156.0	12.0	12.1	12.1	12.1	12.0	12.3	11.7	11.2	10.9	11.1
G157.0	11.9	12.1	12.1	12.2	12.1	12.3	11.7	11.2	10.9	11.0
G158.0	11.9	12.1	12.1	12.3	12.1	12.3	11.6	11.2	11.0	11.0
G159.0	11.8	12.1	12.1	12.3	12.2	12.3	11.6	11.2	11.0	11.1
G160.0	11.8	12.1	12.3	12.4	12.3	12.3	11.5	11.3	11.1	11.1
G161.0	11.8	12.1	12.3	12.4	12.3	12.3	11.6	11.3	11.1	11.2
G162.0	11.7	12.1	12.3	12.4	12.4	12.3	11.6	11.3	11.2	11.3
G163.0	11.7	12.1	12.3	12.5	12.4	12.3	11.6	11.3	11.3	11.3
G164.0	11.7	12.1	12.4	12.6	12.4	12.3	11.6	11.4	11.3	11.4
G165.0	11.7	12.1	12.4	12.6	12.5	12.3	11.7	11.4	11.4	11.4
G166.0	11.8	12.1	12.5	12.6	12.6	12.3	11.7	11.5	11.4	11.5
G167.0	11.9	12.1	12.6	12.8	12.6	12.3	11.8	11.5	11.5	11.6
G168.0	12.0	12.1	12.6	12.8	12.6	12.3	11.9	11.6	11.5	11.6
G169.0	12.0	12.1	12.6	12.9	12.6	12.3	11.9	11.6	11.5	11.7
G170.0	12.1	12.1	12.6	12.9	12.6	12.2	12.0	11.7	11.6	11.8
G171.0	12.1	12.2	12.6	12.9	12.6	12.2	12.0	11.7	11.6	11.8
G172.0	12.1	12.3	12.4	12.9	12.5	12.2	12.1	11.8	11.7	11.9
G173.0	12.3	12.3	12.4	12.8	12.4	12.2	12.1	11.8	11.7	12.0
G174.0	12.3	12.4	12.3	12.8	12.4	12.2	12.1	11.8	11.8	12.0
G175.0	12.3	12.4	12.3	12.6	12.3	12.2	12.1	11.9	11.8	12.1
G176.0	12.3	12.4	12.2	12.6	12.3	12.2	12.1	11.9	11.9	12.1
G177.0	12.4	12.4	12.2	12.6	12.3	12.1	12.2	12.0	11.9	12.1
G178.0	12.3	12.3	12.2	12.6	12.2	12.1	12.3	12.0	12.0	12.1
G179.0	12.3	12.2	12.1	12.4	12.1	12.1	12.3	12.1	12.0	12.3
G180.0	12.3	12.1	12.1	12.4	12.0	12.0	12.3	12.1	12.1	12.4

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.383 m
 Humidity: 78
 Inspector:

Candlepower Table (Continue 5)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G0.0	1257.0	1255.5	1259.1							
G1.0	1259.2	1257.0	1259.5							
G2.0	1260.9	1258.0	1259.2							
G3.0	1261.9	1258.5	1258.5							
G4.0	1262.5	1258.3	1257.1							
G5.0	1262.4	1257.7	1255.2							
G6.0	1261.7	1256.4	1252.8							
G7.0	1260.5	1254.6	1249.9							
G8.0	1258.7	1252.3	1246.3							
G9.0	1256.3	1249.3	1242.2							
G10.0	1253.4	1245.8	1237.8							
G11.0	1250.1	1241.7	1232.7							
G12.0	1246.2	1237.2	1227.1							
G13.0	1241.7	1231.9	1220.8							
G14.0	1236.7	1226.3	1214.3							
G15.0	1231.3	1220.2	1206.8							
G16.0	1225.5	1213.7	1199.1							
G17.0	1219.1	1206.0	1190.9							
G18.0	1212.5	1198.5	1182.2							
G19.0	1205.2	1190.0	1172.7							
G20.0	1197.9	1181.2	1163.2							
G21.0	1189.6	1171.7	1152.9							
G22.0	1181.7	1162.1	1142.0							
G23.0	1172.6	1151.9	1130.7							
G24.0	1164.0	1141.2	1119.2							
G25.0	1154.4	1129.9	1107.1							
G26.0	1144.6	1118.6	1094.6							
G27.0	1134.4	1105.9	1081.6							
G28.0	1124.0	1094.0	1068.4							
G29.0	1112.5	1081.1	1054.7							
G30.0	1101.4	1067.8	1040.2							
G31.0	1089.7	1054.5	1025.8							
G32.0	1078.2	1040.2	1011.0							
G33.0	1065.4	1025.9	995.8							
G34.0	1052.7	1011.6	980.3							
G35.0	1039.6	996.6	964.4							
G36.0	1026.3	981.5	947.8							

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.383 m
 Humidity: 78
 Inspector:

Candlepower Table (Continue 6)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G37.0	1012.5	965.8	932.0							
G38.0	998.8	949.8	915.4							
G39.0	984.0	933.6	898.4							
G40.0	969.2	917.1	880.9							
G41.0	954.2	900.5	863.9							
G42.0	939.0	883.6	846.3							
G43.0	923.1	866.2	828.4							
G44.0	907.2	849.3	810.8							
G45.0	891.0	831.8	792.6							
G46.0	875.3	814.1	774.3							
G47.0	858.0	795.8	756.4							
G48.0	841.2	778.1	737.9							
G49.0	824.5	760.0	719.8							
G50.0	807.3	742.2	700.8							
G51.0	790.0	723.4	682.8							
G52.0	772.6	705.4	663.6							
G53.0	755.0	686.8	645.7							
G54.0	737.3	668.2	625.9							
G55.0	720.2	649.5	607.4							
G56.0	701.7	630.4	588.1							
G57.0	684.3	612.2	570.1							
G58.0	666.5	593.5	551.3							
G59.0	648.8	575.3	532.2							
G60.0	631.1	556.3	513.3							
G61.0	613.0	538.2	494.4							
G62.0	595.7	519.7	475.5							
G63.0	578.4	500.7	457.5							
G64.0	560.4	482.2	438.0							
G65.0	542.9	464.2	419.4							
G66.0	526.0	446.0	401.0							
G67.0	508.8	428.2	382.7							
G68.0	491.8	409.4	363.6							
G69.0	475.4	392.4	345.0							
G70.0	458.3	374.3	326.4							
G71.0	442.1	357.0	308.7							
G72.0	425.3	339.5	290.2							
G73.0	409.5	322.3	271.7							

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.383 m
 Humidity: 78
 Inspector:

Candlepower Table (Continue 7)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G74.0	393.4	304.8	254.0							
G75.0	378.3	288.7	235.2							
G76.0	362.4	272.2	217.9							
G77.0	346.7	256.4	200.4							
G78.0	332.0	240.1	183.5							
G79.0	317.0	224.9	165.7							
G80.0	302.4	209.3	149.4							
G81.0	287.9	194.8	133.0							
G82.0	273.7	180.1	117.4							
G83.0	260.2	167.1	102.1							
G84.0	246.3	153.5	88.4							
G85.0	233.8	140.5	74.5							
G86.0	220.8	128.5	62.4							
G87.0	208.5	117.4	51.4							
G88.0	196.9	106.6	42.0							
G89.0	185.7	97.0	34.4							
G90.0	174.6	88.4	28.6							
G91.0	164.0	80.2	25.6							
G92.0	153.8	72.8	24.6							
G93.0	144.6	66.5	24.1							
G94.0	135.9	60.6	23.8							
G95.0	127.6	55.6	23.3							
G96.0	119.5	51.2	22.9							
G97.0	112.1	47.4	22.5							
G98.0	104.8	43.9	22.1							
G99.0	98.3	40.6	21.7							
G100.0	92.5	37.6	21.4							
G101.0	87.0	34.9	21.0							
G102.0	81.9	32.5	20.7							
G103.0	77.1	30.6	20.3							
G104.0	72.6	29.5	20.0							
G105.0	67.1	28.5	19.7							
G106.0	61.2	27.6	19.4							
G107.0	56.1	26.5	19.1							
G108.0	52.2	25.4	18.8							
G109.0	49.3	24.2	18.6							
G110.0	46.6	23.2	18.3							

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.383 m
 Humidity: 78
 Inspector:

Candlepower Table (Continue 8)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G111.0	44.0	22.3	18.1							
G112.0	41.8	21.5	17.8							
G113.0	40.1	20.8	17.6							
G114.0	38.5	20.1	17.3							
G115.0	37.0	19.5	17.1							
G116.0	35.6	18.9	16.9							
G117.0	34.2	18.4	16.7							
G118.0	32.8	18.0	16.5							
G119.0	31.3	17.5	16.3							
G120.0	30.0	17.1	16.1							
G121.0	28.7	16.6	15.9							
G122.0	27.6	16.3	15.7							
G123.0	26.4	15.9	15.5							
G124.0	25.3	15.6	15.3							
G125.0	24.3	15.2	15.1							
G126.0	23.4	14.9	15.0							
G127.0	22.4	14.6	14.8							
G128.0	21.6	14.3	14.7							
G129.0	20.8	14.1	14.6							
G130.0	20.0	13.8	14.4							
G131.0	19.2	13.5	14.3							
G132.0	18.5	13.3	14.1							
G133.0	17.9	13.0	14.1							
G134.0	17.3	12.6	13.9							
G135.0	16.7	12.5	13.8							
G136.0	16.2	12.4	13.6							
G137.0	15.7	12.1	13.6							
G138.0	15.2	12.0	13.4							
G139.0	14.8	11.8	13.4							
G140.0	14.4	11.7	13.3							
G141.0	14.1	11.6	13.1							
G142.0	13.8	11.5	13.1							
G143.0	13.4	11.5	12.9							
G144.0	13.1	11.4	12.9							
G145.0	12.9	11.4	12.8							
G146.0	12.6	11.3	12.7							
G147.0	12.3	11.3	12.6							

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.383 m
 Humidity: 78
 Inspector:

Candlepower Table (Continue 9)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G148.0	12.1	11.2	12.6							
G149.0	11.8	11.2	12.4							
G150.0	11.6	11.2	12.4							
G151.0	11.4	11.2	12.3							
G152.0	11.2	11.2	12.2							
G153.0	11.1	11.2	12.1							
G154.0	11.0	11.2	12.1							
G155.0	10.9	11.1	12.1							
G156.0	10.9	11.1	12.0							
G157.0	11.0	11.1	11.9							
G158.0	11.0	11.1	11.9							
G159.0	11.0	11.1	11.8							
G160.0	11.1	11.2	11.8							
G161.0	11.1	11.2	11.8							
G162.0	11.2	11.2	11.7							
G163.0	11.2	11.2	11.7							
G164.0	11.3	11.3	11.7							
G165.0	11.3	11.4	11.7							
G166.0	11.4	11.4	11.8							
G167.0	11.5	11.5	11.9							
G168.0	11.5	11.6	12.0							
G169.0	11.6	11.6	12.0							
G170.0	11.6	11.7	12.1							
G171.0	11.7	11.7	12.1							
G172.0	11.7	11.8	12.1							
G173.0	11.8	11.8	12.3							
G174.0	11.8	11.8	12.3							
G175.0	11.8	11.9	12.3							
G176.0	11.9	11.9	12.3							
G177.0	11.9	11.9	12.4							
G178.0	11.9	11.9	12.3							
G179.0	11.9	11.9	12.3							
G180.0	12.0	12.0	12.3							

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.383 m
 Humidity: 78
 Inspector: