

Report No.: 34

Test Time: 2021/8/6 14:06

## Luminaire Property

Luminaire Manufacturer:

Luminaire Description: ZENO 12W

Current: 0.090 A

Power Factor: 0.85

Voltage: 220 V

Power: 11.79 W

## Photometric Results

CIE Class: Direct

Measurement Flux: 944.49 lm

Downward Ratio: 99%

Horizontal Diffuse Angle(50%): H84

Vertical Diffuse Angle(50%): V43.4

Luminaire Efficacy Rating (LER): 89

Max. Intensity: 373.53 cd

Total Rated Lamp Lumens: 944.49 lm

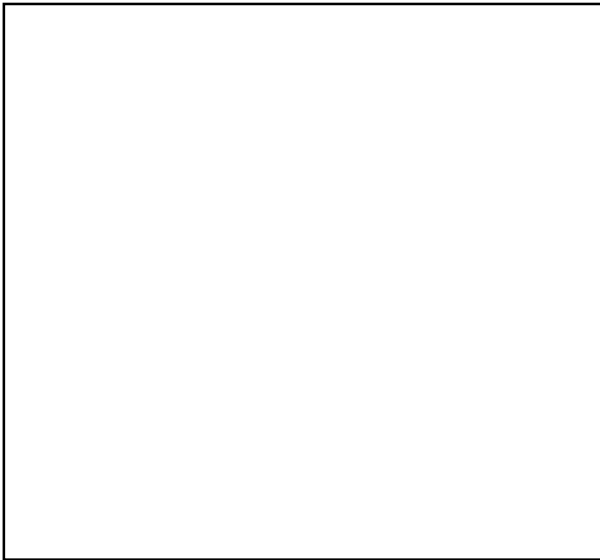
Efficiency: 100%

Upward Ratio: 1%

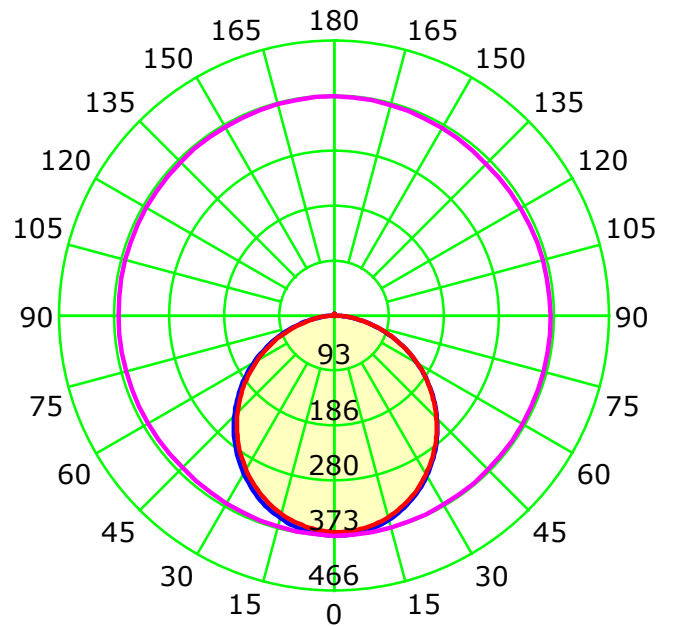
Central Intensity: 373.45 cd

Pos of Max. Intensity: H0 V1

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 84.0°

— C0-C180 — C90-C270 — G1

C Plane (°):0.0-360.0: 45.0

Test Lab: Inventfine instrument

Test Type: TYPE C

Temperature: 28

Operator: Jacky tang

Gamma Plane (°):0.0-180.0:1.0

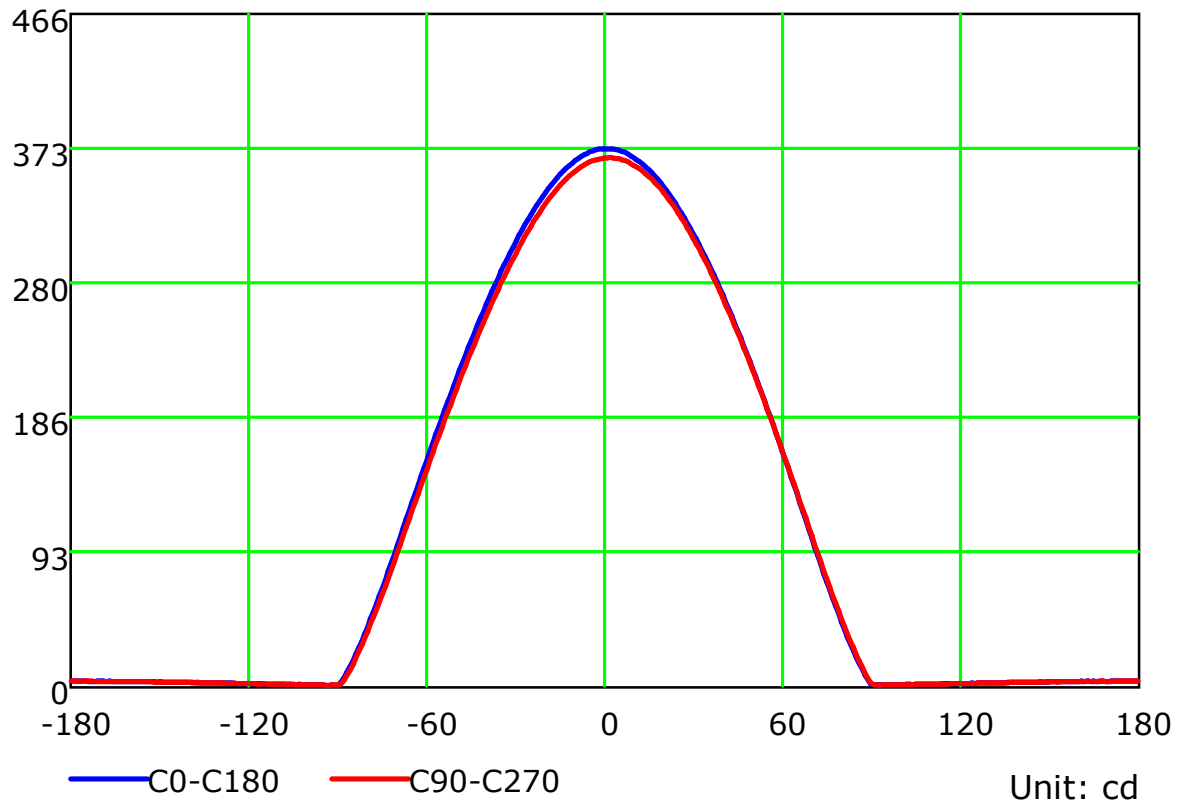
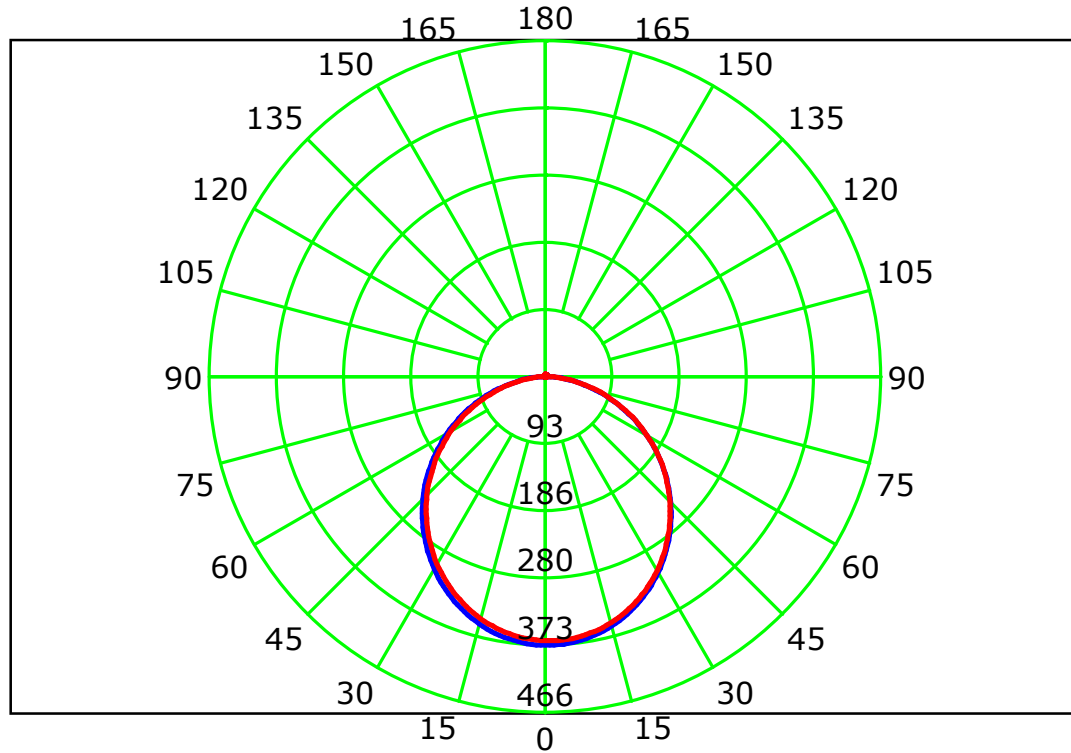
Test Device: GPM-1800B

Distance: 7.984 m

Humidity: 58

Inspector:

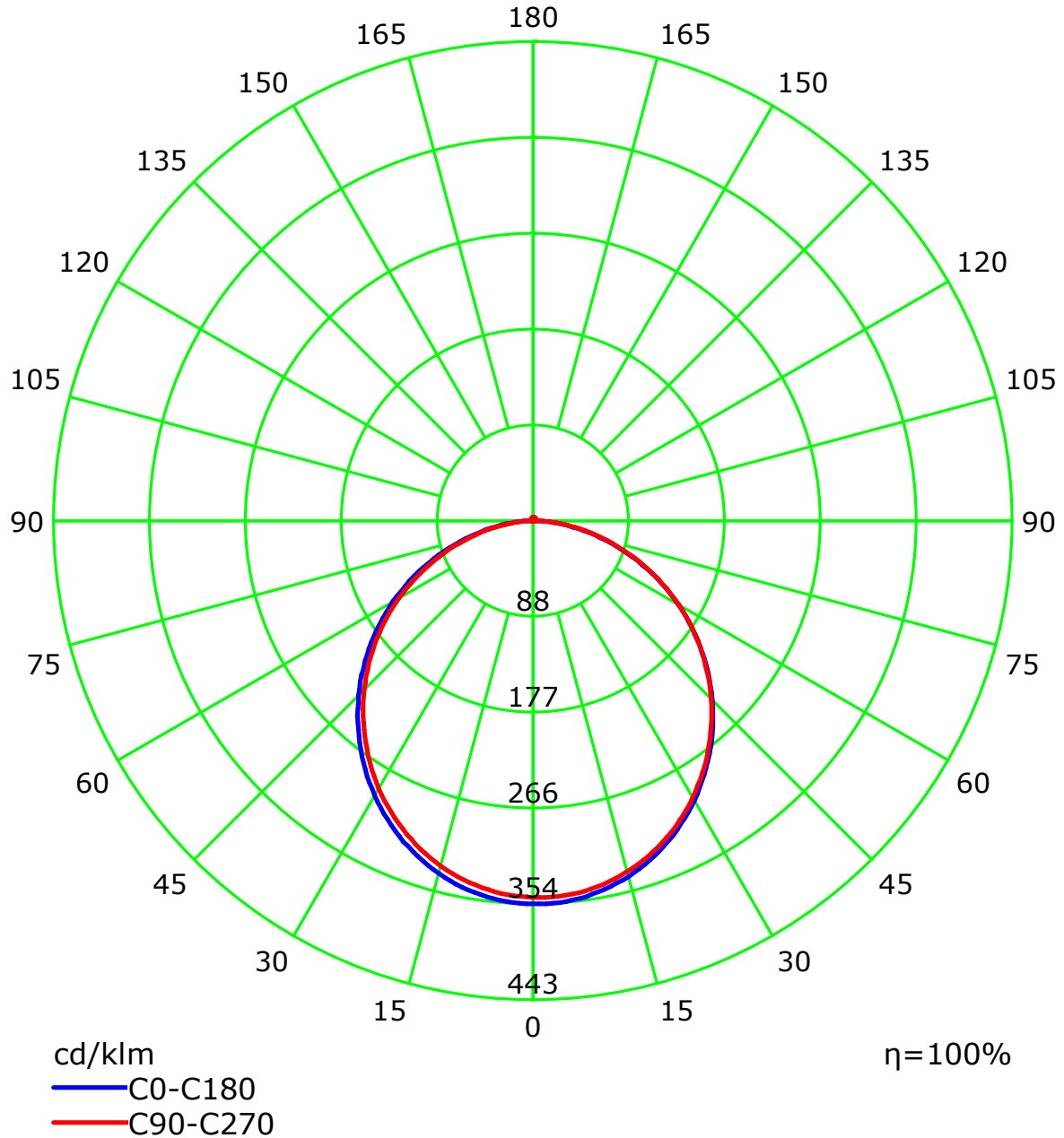
## Luminous Intensity Distribution Curve



C Plane (°): 0.0-360.0: 45.0  
Test Lab: Inventfine instrument  
Test Type: TYPE C  
Temperature: 28  
Operator: Jacky tang

Gamma Plane (°): 0.0-180.0: 1.0  
Test Device: GPM-1800B  
Distance: 7.984 m  
Humidity: 58  
Inspector:

## Luminous Intensity Distribution Curve(cd/klm)



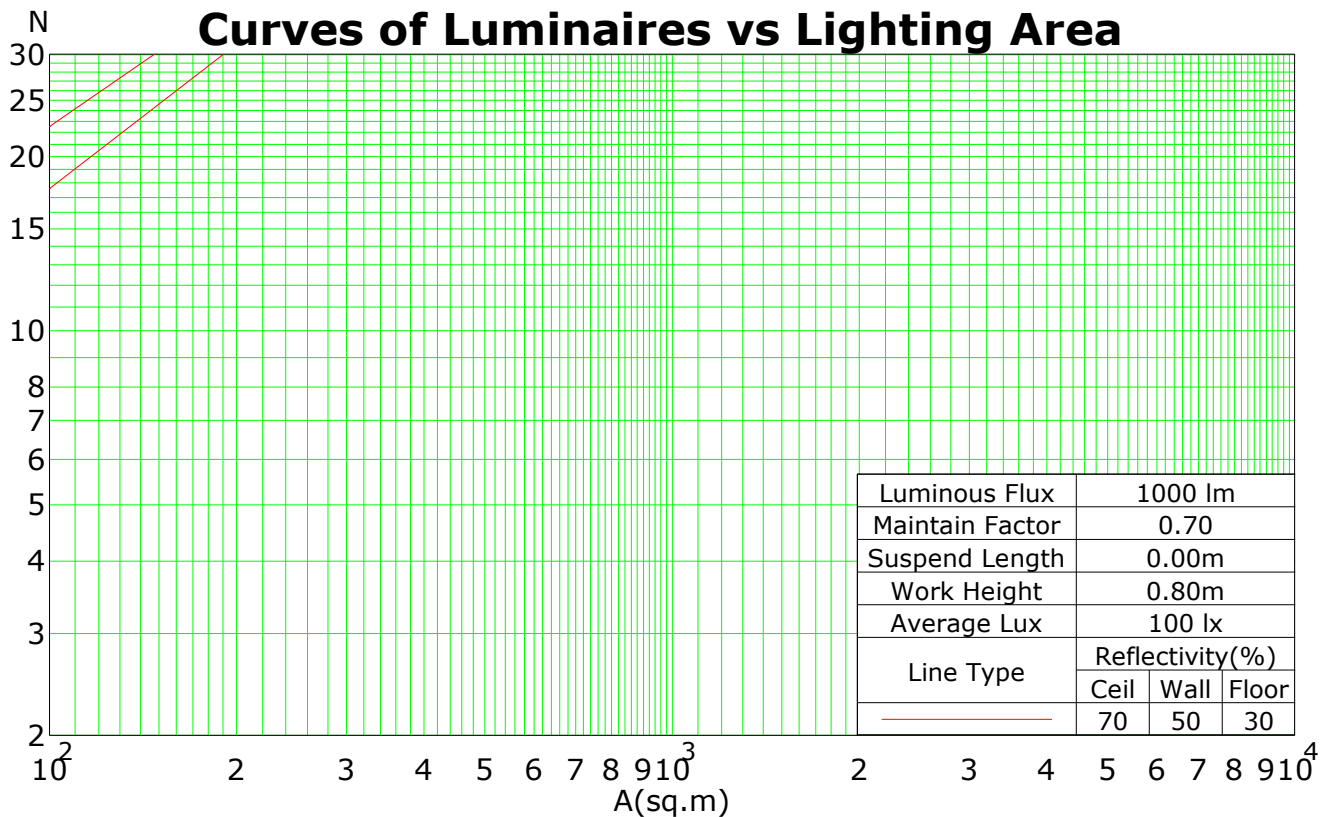
## Coefficients Of Utilization - Zonal Cavity Method

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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	101	101	101	99
1	108	104	99	95	105	101	97	94	97	93	90	93	90	87	89	87	85	82
2	98	90	83	77	96	88	82	76	84	79	74	81	76	73	78	74	71	69
3	90	79	71	64	87	77	70	64	74	68	62	71	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	63	57	52	61	56	51	49
5	75	63	53	47	73	61	53	46	59	52	46	57	50	45	55	49	45	42
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	48	41	36	47	40	35	45	39	35	33
8	60	47	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

Spacing Criteria (0-180): 1.24

Spacing Criteria (90-270): 1.24

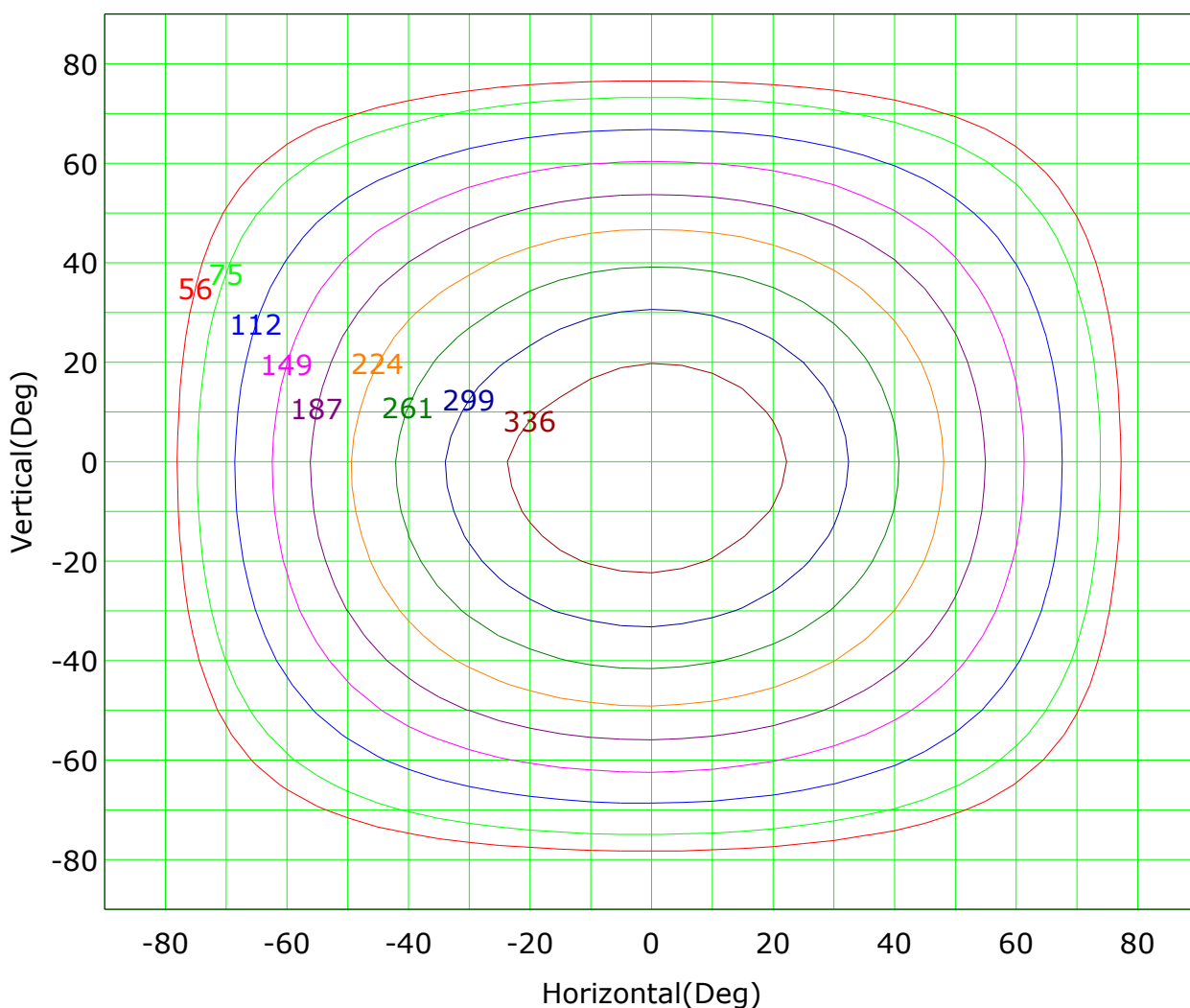
Spacing Criteria (Diagonal): 1.35



C Plane (°): 0.0-360.0: 45.0  
Test Lab: Inventfine instrument  
Test Type: TYPE C  
Temperature: 28  
Operator: Jacky tang

Gamma Plane (°): 0.0-180.0: 1.0  
Test Device: GPM-1800B  
Distance: 7.984 m  
Humidity: 58  
Inspector:

## Isocandela (rectangle)



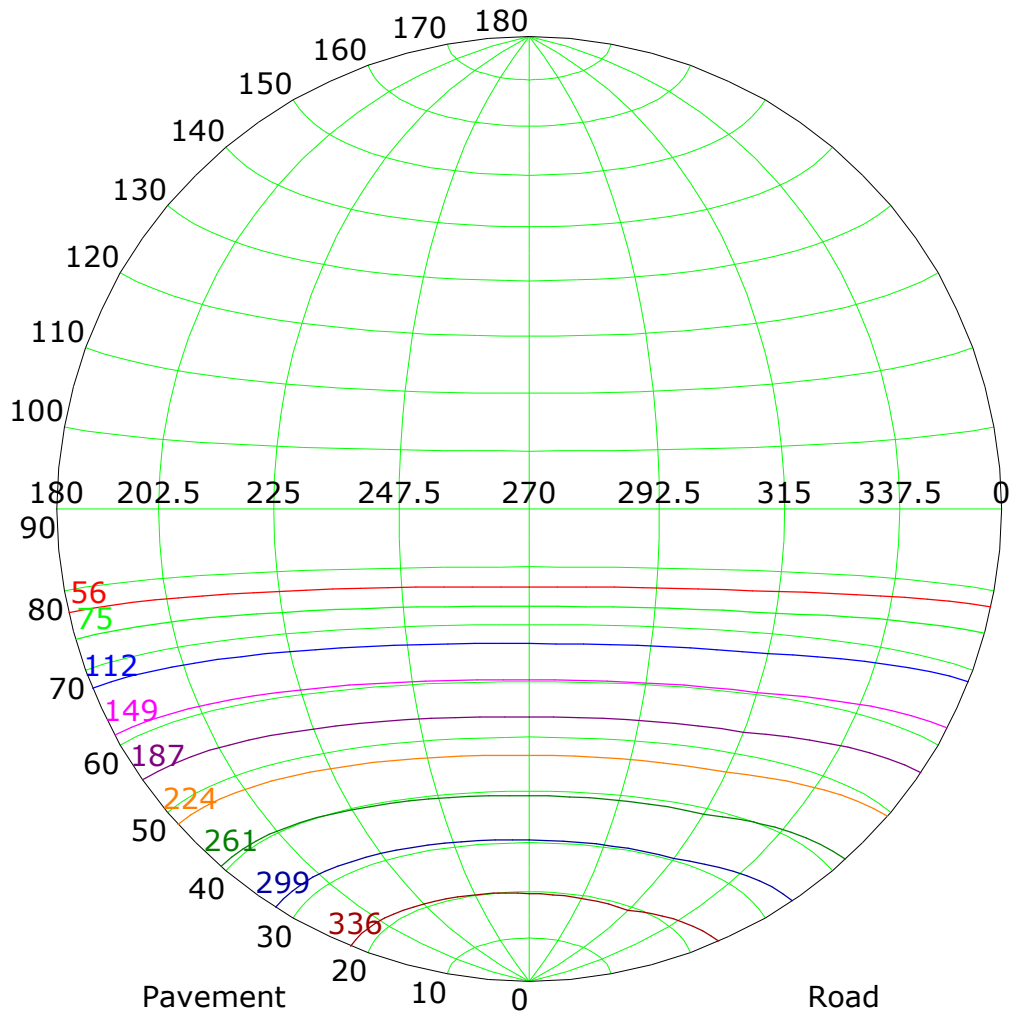
Imax (100%): 374 cd

( 15%): 56 cd	( 20%): 75 cd
( 30%): 112 cd	( 40%): 149 cd
( 50%): 187 cd	( 60%): 224 cd
( 70%): 261 cd	( 80%): 299 cd
( 90%): 336 cd	(100%): 374 cd

C Plane (°):0.0-360.0: 45.0  
Test Lab: Inventfine instrument  
Test Type: TYPE C  
Temperature: 28  
Operator: Jacky tang

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 7.984 m  
Humidity: 58  
Inspector:

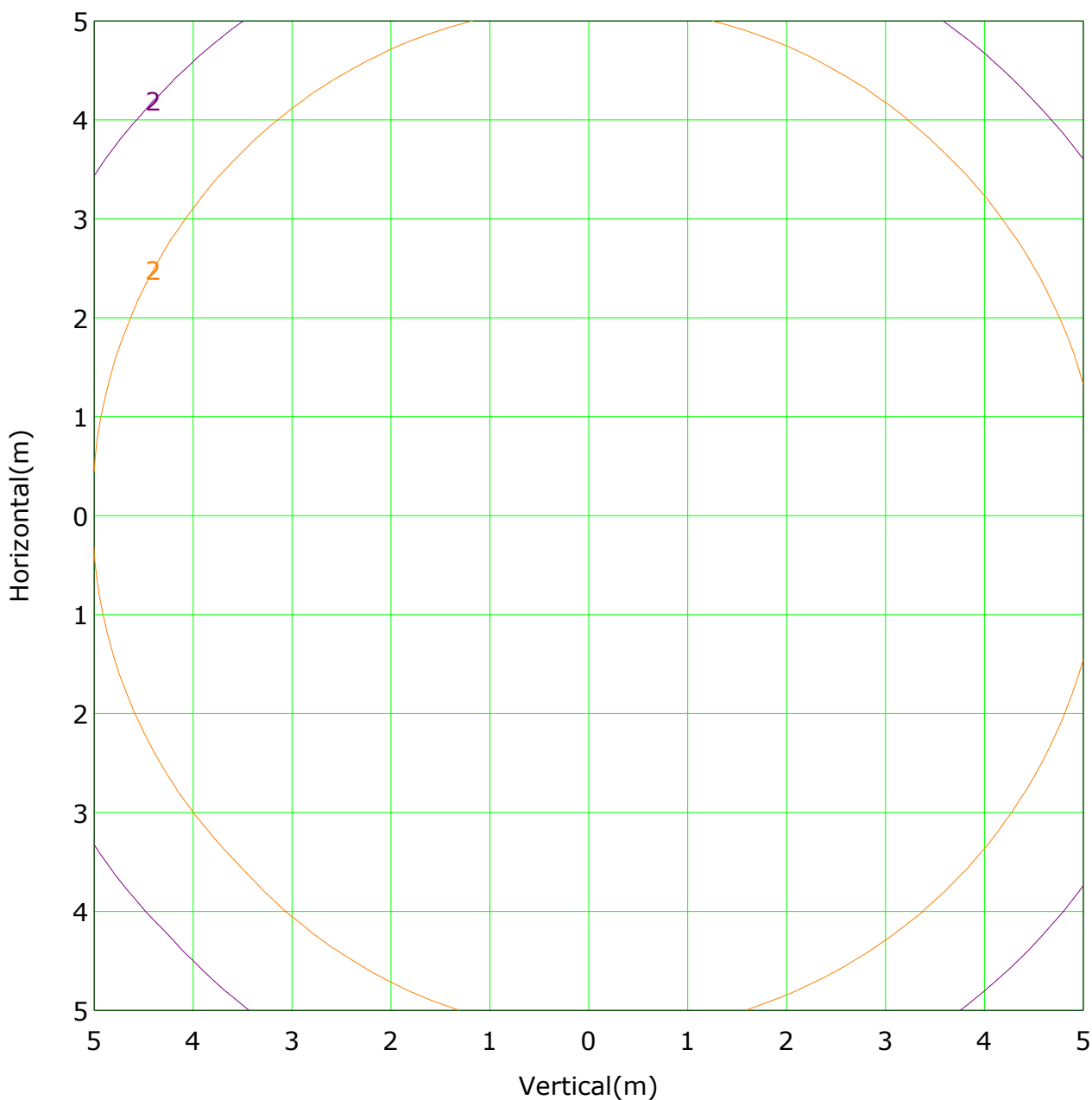
## Isocandela (sphere)



Imax (100%): 374 cd

( 15%): 56 cd	( 20%): 75 cd
( 30%): 112 cd	( 40%): 149 cd
( 50%): 187 cd	( 60%): 224 cd
( 70%): 261 cd	( 80%): 299 cd
( 90%): 336 cd	(100%): 374 cd

## IsoLux Plot



Mounting Height: 10.0m    Max Lux(100%): 3.7 lx

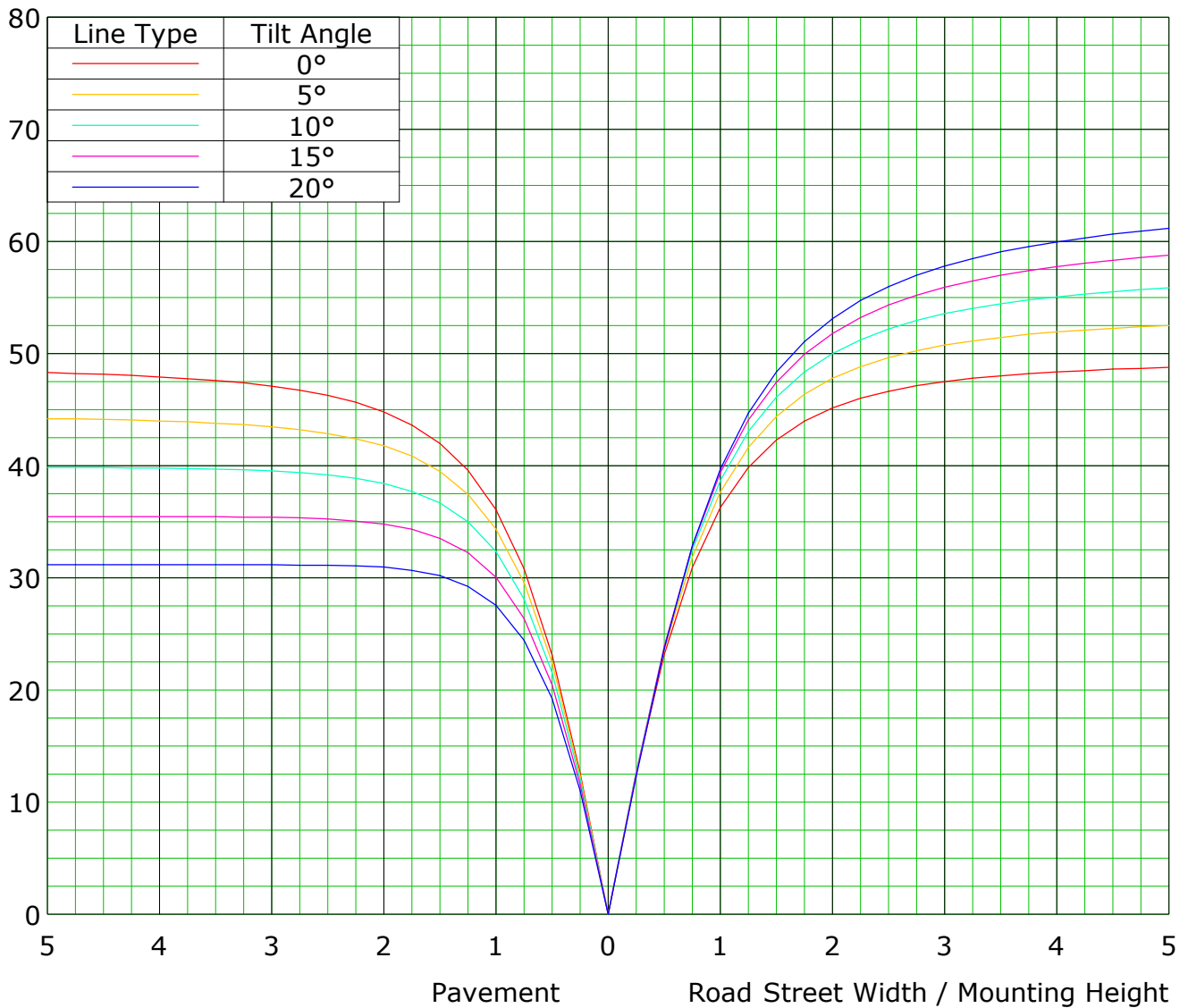
( 10%): 0.4 lx	( 20%): 0.7 lx
( 30%): 1.1 lx	( 40%): 1.5 lx
( 50%): 1.9 lx	( 60%): 2.2 lx
(100%): 3.7 lx	

C Plane (°):0.0-360.0: 45.0  
Test Lab: Inventfine instrument  
Test Type: TYPE C  
Temperature: 28  
Operator: Jacky tang

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 7.984 m  
Humidity: 58  
Inspector:

## Roadway CU Curve

Efficiency(%)



C Plane (°): 0.0-360.0: 45.0  
Test Lab: Inventfine instrument  
Test Type: TYPE C  
Temperature: 28  
Operator: Jacky tang

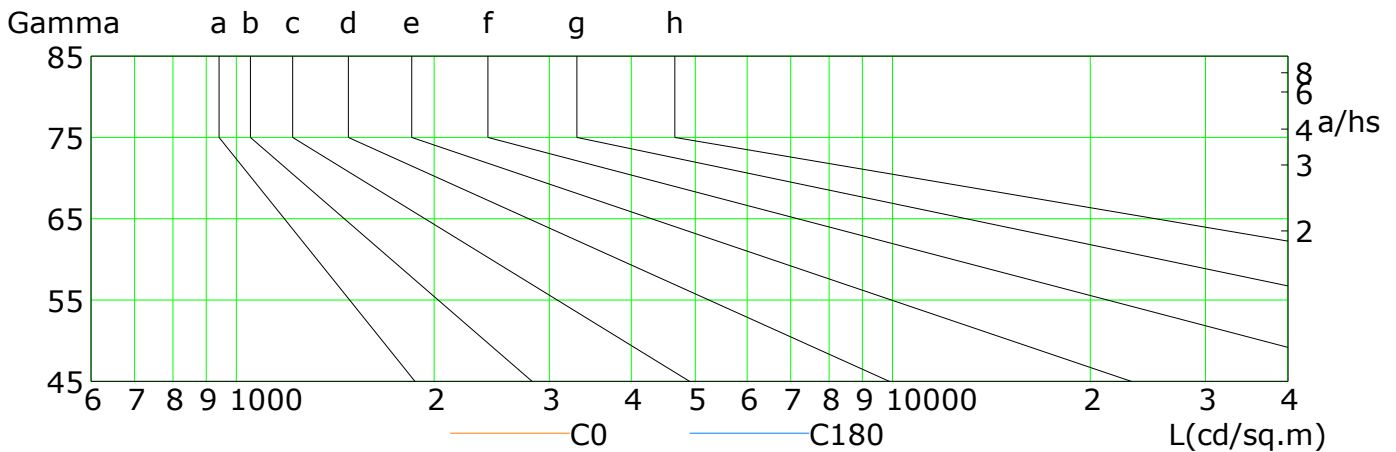
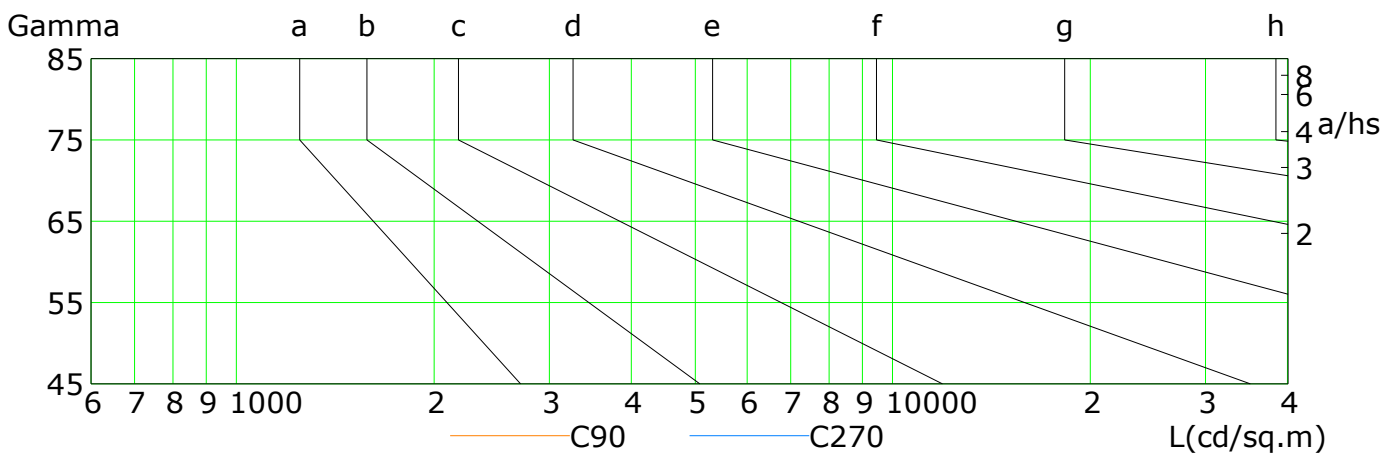
Gamma Plane (°): 0.0-180.0: 1.0  
Test Device: GPM-1800B  
Distance: 7.984 m  
Humidity: 58  
Inspector:



## 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

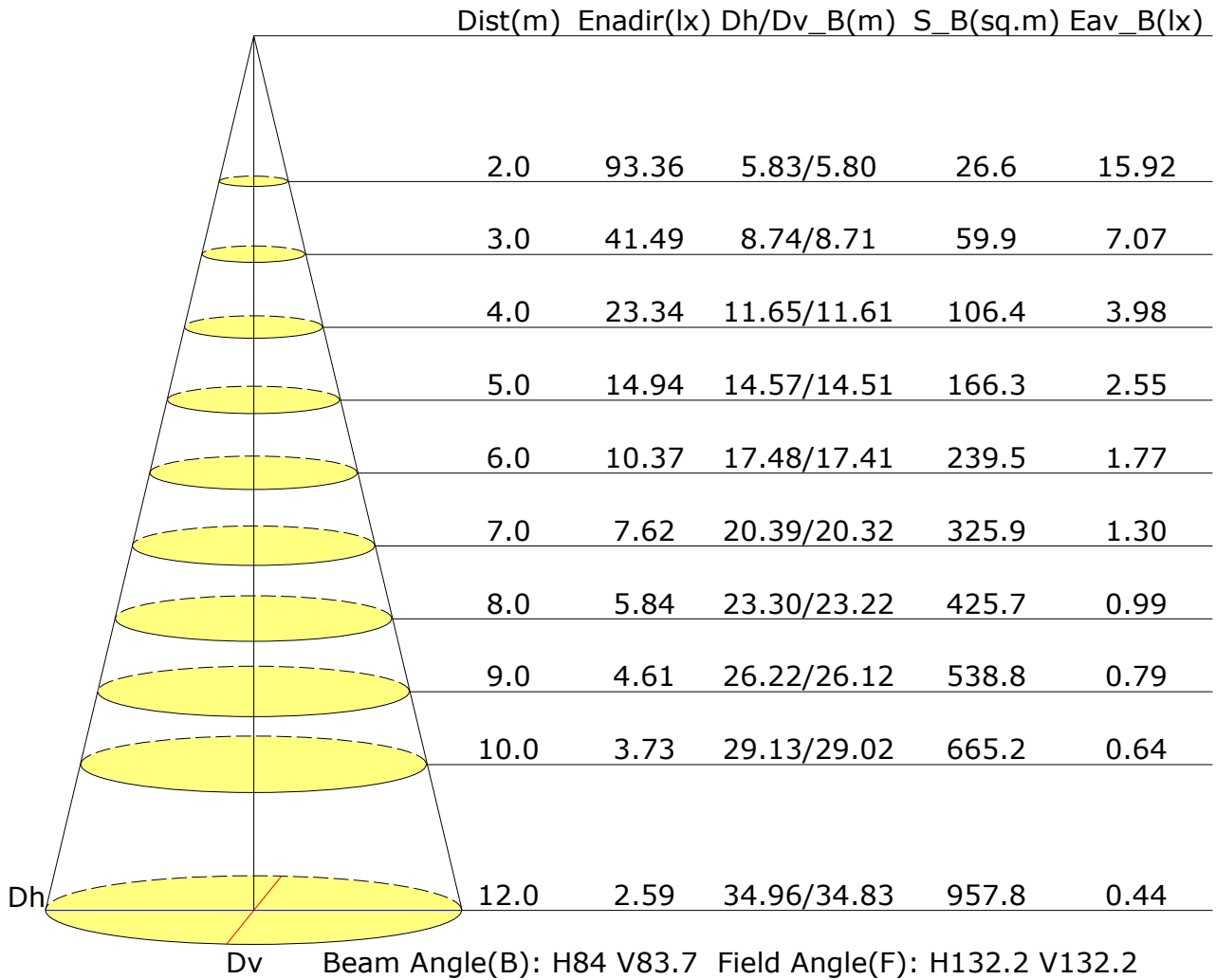


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	247	221	193	164	133	103	73	45	20
C90	246	220	192	164	135	105	75	47	22
C180	240	214	187	158	128	98	68	41	18
C270	233	207	180	151	122	93	64	38	15

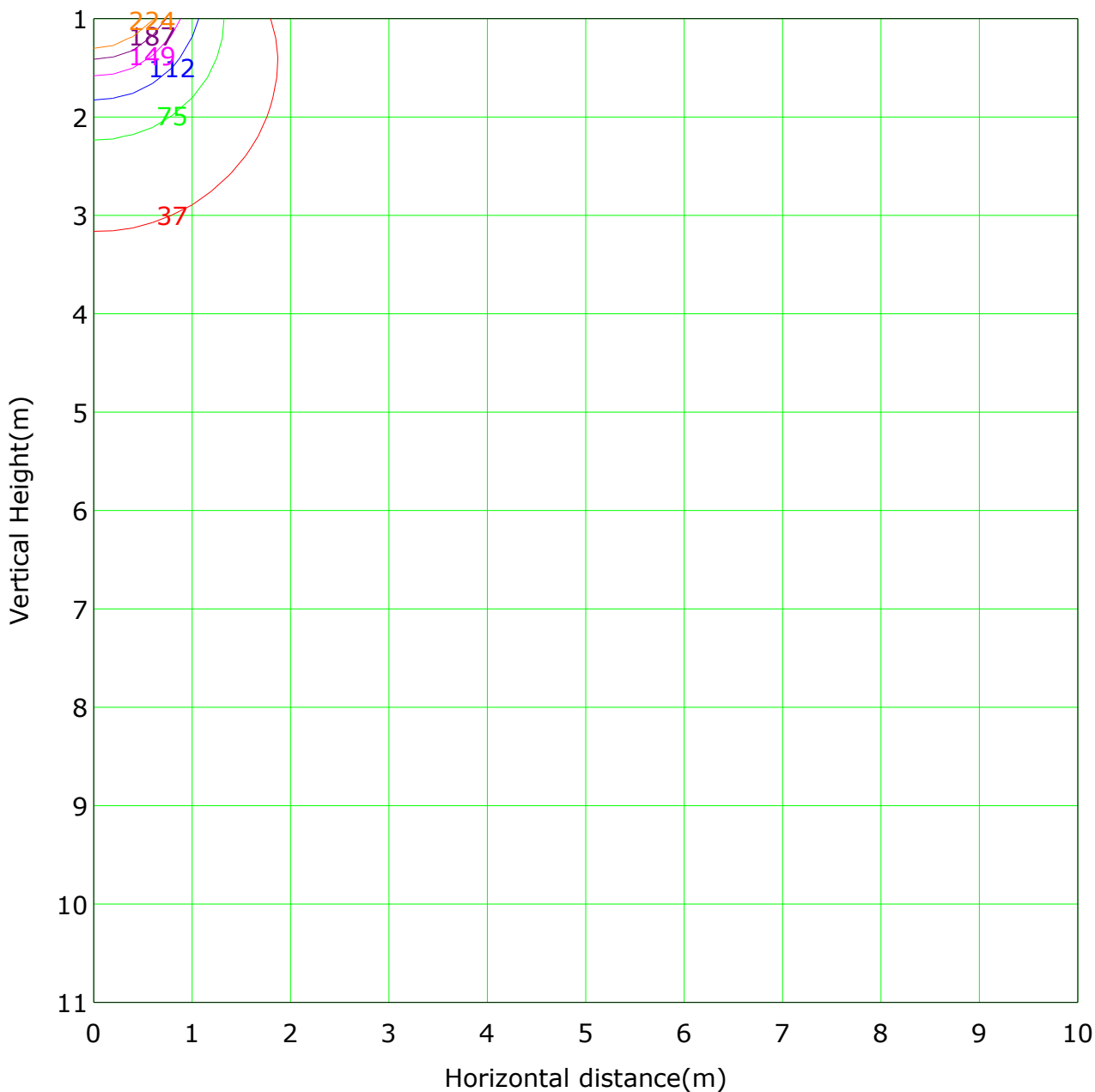
C Plane (°):0.0-360.0: 45.0  
Test Lab: Inventfine instrument  
Test Type: TYPE C  
Temperature: 28  
Operator: Jacky tang

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 7.984 m  
Humidity: 58  
Inspector:

## Illuminance at a Distance



## Vertical IsoLux Plot



Lowest(m): 1.0m    Highest(m): 11.0m    Max Lux: 373.5 lx  
— ( 10%): 37.3 lx                      — ( 20%): 74.7 lx  
— ( 30%): 112.0 lx                      — ( 40%): 149.4 lx  
— ( 50%): 186.7 lx                      — ( 60%): 224.1 lx  
— (100%): 373.5 lx

C Plane (°):0.0-360.0: 45.0  
Test Lab: Inventfine instrument  
Test Type: TYPE C  
Temperature: 28  
Operator: Jacky tang

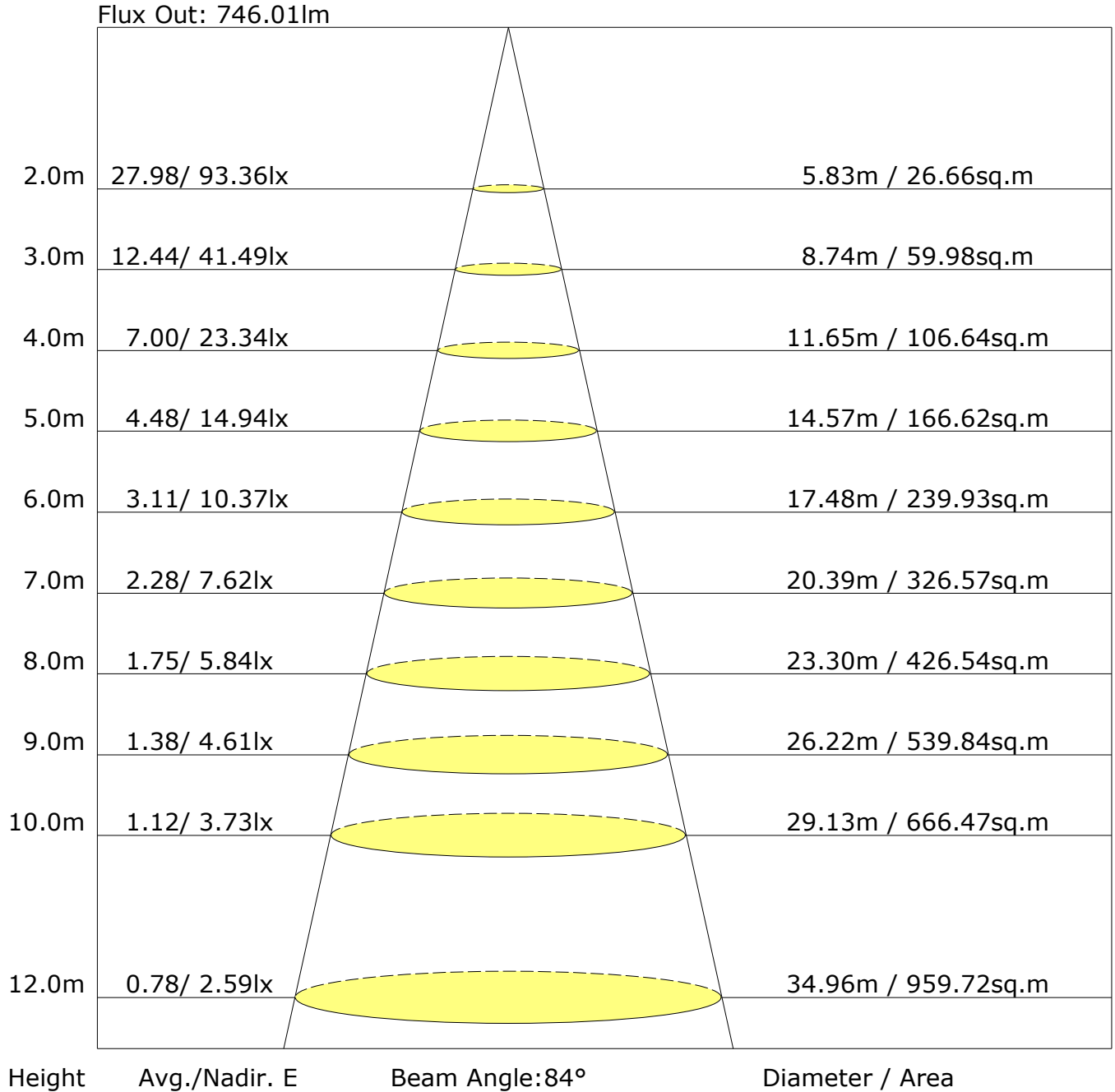
Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 7.984 m  
Humidity: 58  
Inspector:

## Area Flux Table

Unit: lm

		Vertical plane																				
		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90		
Flux(E)	Flux(T)	0.0	0.0	0.1	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0
0.1	0.7	5.0	6.1	16.8	34.0	54.6	75.9	95.2	109.8	117.6	117.7	110.2	95.8	76.8	55.7	35.0	17.6	5.4	0.1			1023
-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(E)	Flux(T)		
0.0	0.0	0.1	0.1	0.2	0.3	0.4	0.5	0.5	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
0.1	0.1	0.5	1.5	2.9	4.6	6.4	8.0	9.2	9.9	9.9	9.3	8.1	6.5	4.7	3.0	1.5	0.5	0.1	0.1	0.1	0.1	
0.1	0.1	0.5	1.6	3.1	4.9	6.8	8.5	9.8	10.5	10.4	9.7	8.5	6.9	5.0	3.2	1.6	0.6	0.1	0.1	0.1	0.1	
0.1	0.1	0.5	1.7	3.2	5.1	7.1	8.9	10.3	11.0	11.0	10.3	9.0	7.2	5.3	3.3	1.7	0.6	0.1	0.1	0.1	0.1	
0.1	0.1	0.6	1.7	3.3	5.2	7.1	9.0	10.3	11.0	11.1	10.4	9.1	7.3	5.3	3.4	1.7	0.6	0.1	0.1	0.1	0.1	
0.1	0.1	0.6	1.7	3.2	5.1	7.1	8.9	10.3	11.0	11.0	10.3	9.0	7.2	5.3	3.3	1.7	0.6	0.1	0.1	0.1	0.1	
0.1	0.1	0.5	1.6	3.1	4.9	6.8	8.5	9.8	10.5	10.4	9.7	8.5	6.9	5.0	3.2	1.6	0.6	0.1	0.1	0.1	0.1	
0.1	0.1	0.5	1.5	2.9	4.5	6.3	7.8	9.0	9.6	9.6	8.9	7.7	6.3	4.6	2.9	1.5	0.5	0.1	0.1	0.1	0.1	
0.1	0.1	0.4	1.3	2.5	4.0	5.5	6.9	7.9	8.4	8.4	7.8	6.8	5.5	4.0	2.6	1.3	0.5	0.1	0.1	0.1	0.1	
0.0	0.0	0.4	1.1	2.1	3.3	4.6	5.7	6.6	7.0	7.0	6.5	5.7	4.5	3.3	2.1	1.1	0.4	0.0	0.0	0.0	0.0	
0.0	0.0	0.3	0.8	1.6	2.6	3.5	4.4	5.1	5.4	5.4	5.0	4.4	3.5	2.5	1.6	0.8	0.3	0.0	0.0	0.0	0.0	
0.0	0.0	0.2	0.5	1.1	1.7	2.4	3.0	3.4	3.7	3.7	3.4	3.0	2.4	1.7	1.1	0.6	0.2	0.0	0.0	0.0	0.0	
0.0	0.0	0.1	0.3	0.6	0.9	1.3	1.6	1.8	1.9	1.9	1.8	1.6	1.3	0.9	0.6	0.3	0.1	0.0	0.0	0.0	0.0	
0.0	0.0	0.1	0.3	0.6	1.0	1.4	1.8	2.1	2.3	2.3	2.1	1.9	1.5	1.1	0.7	0.4	0.1	0.0	0.0	0.0	0.0	
0.0	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.7	0.6	0.6	0.5	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	
0.7	6.1	17.8	35.0	55.5	76.9	96.1	110.7	118.6	118.7	111.1	96.8	77.8	56.6	36.0	18.5	6.5	0.8	1040				

## 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	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
3H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
4H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
6H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
8H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
12H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
X=4H Y=2H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
3H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
4H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
6H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
8H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
12H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
X=8H Y=4H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
6H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
8H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
12H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
X=12H Y=4H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
6H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
8H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$

Calculate in accordance with CIE 190:2010

C Plane (°):0.0-360.0: 45.0  
Test Lab: Inventfine instrument  
Test Type: TYPE C  
Temperature: 28  
Operator: Jacky tang

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 7.984 m  
Humidity: 58  
Inspector:

**FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM**

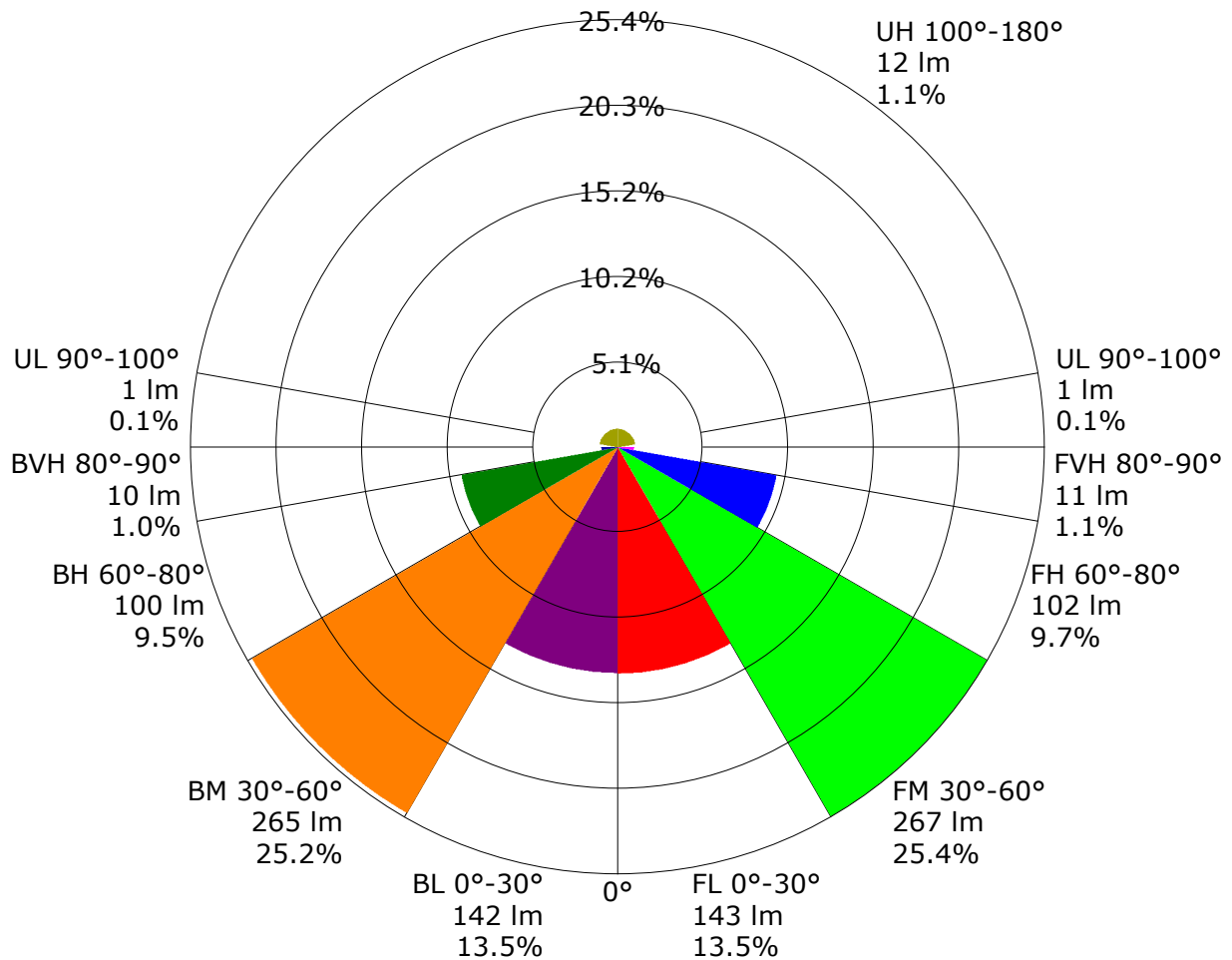
	ZONE	LUMENS	% LAMP LUMENS
	FORWARD LIGHT	523	49.6
	FL ( 0°-30°)	143	13.5
	FM (30°-60°)	267	25.4
	FH (60°-80°)	102	9.7
	FVH (80°-90°)	11	1.1
	BACK LIGHT	517	49.1
	BL ( 0°-30°)	142	13.5
	BM (30°-60°)	265	25.2
	BH (60°-80°)	100	9.5
	BVH (80°-90°)	10	1.0
	UP LIGHT	13	1.2
	UL (90°-100°)	1	0.1
	UH (100°-180°)	12	1.1
	TRAPPED LIGHT	NA	NA

BUG(Backlight, Uplight, Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I, II, III, IV)	B1 U2 G1
Quadrilateral Symmetrical Luminaire Types (Type V, Area Light)	B1 U2 G1

C Plane (°): 0.0-360.0: 45.0  
Test Lab: Inventfine instrument  
Test Type: TYPE C  
Temperature: 28  
Operator: Jacky tang

Gamma Plane (°): 0.0-180.0: 1.0  
Test Device: GPM-1800B  
Distance: 7.984 m  
Humidity: 58  
Inspector:

## LCS Graph



**Forward Light**

**Back Light**

Scale= MAX LCS%

Trapped Light:NA,NA



## 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	0.56	0.67	0.74	0.79	0.87	0.92	0.95	1.00	1.03	
	0.30		0.48	0.59	0.66	0.72	0.80	0.86	0.90	0.96	0.99	
	0.20		0.43	0.53	0.61	0.67	0.75	0.81	0.86	0.92	0.96	
0.50	0.50	0.20	0.54	0.64	0.71	0.76	0.83	0.88	0.91	0.96	0.98	
	0.30		0.47	0.58	0.65	0.70	0.78	0.83	0.87	0.92	0.95	
	0.20		0.42	0.52	0.60	0.65	0.73	0.79	0.83	0.89	0.93	
0.30	0.50	0.20	0.53	0.62	0.69	0.74	0.80	0.85	0.88	0.92	0.94	
	0.30		0.47	0.56	0.63	0.68	0.76	0.81	0.84	0.89	0.92	
	0.20		0.42	0.52	0.59	0.64	0.72	0.77	0.81	0.86	0.90	
0.00	0.00	0.00	0.39	0.49	0.56	0.61	0.68	0.73	0.77	0.82	0.85	
Rating:12W 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	1.00	0.83	0.71	0.61	0.49	0.41	0.35	0.27	0.22	
	0.30		0.83	0.71	0.61	0.54	0.44	0.37	0.32	0.26	0.21	
	0.20		0.72	0.62	0.55	0.49	0.41	0.35	0.30	0.24	0.20	
0.50	0.50	0.20	0.96	0.79	0.67	0.59	0.47	0.42	0.33	0.26	0.21	
	0.30		0.82	0.69	0.60	0.53	0.43	0.36	0.31	0.24	0.20	
	0.20		0.71	0.61	0.53	0.48	0.39	0.34	0.29	0.23	0.19	
0.30	0.50	0.20	0.93	0.76	0.65	0.56	0.45	0.37	0.32	0.24	0.20	
	0.30		0.80	0.67	0.58	0.51	0.41	0.35	0.30	0.23	0.19	
	0.20		0.70	0.60	0.52	0.47	0.38	0.33	0.28	0.22	0.19	
0.00	0.00	0.00	0.60	0.50	0.43	0.38	0.31	0.26	0.22	0.17	0.14	
Rating:12W 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	0.18	0.19	0.20	0.20	0.21	0.22	0.22	0.23	0.23	
	0.30		0.11	0.12	0.14	0.15	0.16	0.17	0.18	0.20	0.20	
	0.20		0.06	0.07	0.09	0.10	0.12	0.14	0.15	0.17	0.18	
0.50	0.50	0.20	0.17	0.18	0.19	0.20	0.20	0.21	0.21	0.22	0.22	
	0.30		0.10	0.12	0.13	0.14	0.16	0.17	0.18	0.19	0.20	
	0.20		0.06	0.07	0.09	0.10	0.12	0.13	0.15	0.16	0.17	
0.30	0.50	0.20	0.16	0.18	0.18	0.19	0.20	0.20	0.20	0.21	0.21	
	0.30		0.10	0.12	0.13	0.14	0.15	0.16	0.17	0.18	0.19	
	0.20		0.06	0.07	0.09	0.10	0.12	0.13	0.14	0.16	0.17	
0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
Rating:12W 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 <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	368.9	0.4	0.4	0.03	0.03
1.0-2.0	368.8	1.1	1.4	0.10	0.13
2.0-3.0	368.5	1.8	3.2	0.17	0.30
3.0-4.0	368.0	2.5	5.6	0.23	0.54
4.0-5.0	367.5	3.2	8.8	0.30	0.84
5.0-6.0	366.7	3.9	12.7	0.37	1.20
6.0-7.0	365.9	4.5	17.2	0.43	1.63
7.0-8.0	364.9	5.2	22.4	0.50	2.13
8.0-9.0	363.7	5.9	28.3	0.56	2.69
9.0-10.0	362.4	6.6	34.9	0.62	3.31
10.0-11.0	361.0	7.2	42.1	0.69	4.00
11.0-12.0	359.5	7.9	49.9	0.75	4.74
12.0-13.0	357.8	8.5	58.4	0.81	5.55
13.0-14.0	355.9	9.1	67.6	0.87	6.41
14.0-15.0	353.9	9.7	77.3	0.92	7.34
15.0-16.0	351.9	10.3	87.6	0.98	8.32
16.0-17.0	349.6	10.9	98.5	1.03	9.35
17.0-18.0	347.3	11.5	109.9	1.09	10.44
18.0-19.0	344.8	12.0	121.9	1.14	11.58
19.0-20.0	342.1	12.5	134.4	1.19	12.77
20.0-21.0	339.4	13.0	147.5	1.24	14.00
21.0-22.0	336.6	13.5	161.0	1.28	15.29
22.0-23.0	333.6	14.0	175.0	1.33	16.62
23.0-24.0	330.5	14.5	189.5	1.37	17.99
24.0-25.0	327.4	14.9	204.3	1.41	19.40
25.0-26.0	324.0	15.3	219.6	1.45	20.86
26.0-27.0	320.5	15.7	235.3	1.49	22.35
27.0-28.0	317.1	16.1	251.4	1.52	23.87
28.0-29.0	313.5	16.4	267.8	1.56	25.43
29.0-30.0	309.8	16.7	284.5	1.59	27.02
30.0-31.0	305.9	17.0	301.5	1.62	28.63
31.0-32.0	301.9	17.3	318.8	1.64	30.28
32.0-33.0	297.9	17.6	336.4	1.67	31.94
33.0-34.0	293.8	17.8	354.2	1.69	33.63
34.0-35.0	289.6	18.0	372.2	1.71	35.34
35.0-36.0	285.3	18.2	390.3	1.73	37.06

C Plane (°): 0.0-360.0: 45.0  
Test Lab: Inventfine instrument  
Test Type: TYPE C  
Temperature: 28  
Operator: Jacky tang

Gamma Plane (°): 0.0-180.0: 1.0  
Test Device: GPM-1800B  
Distance: 7.984 m  
Humidity: 58  
Inspector:

## Zonal Lumen (Continue 1)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	280.9	18.3	408.7	1.74	38.80
37.0-38.0	276.5	18.5	427.1	1.75	40.56
38.0-39.0	271.9	18.6	445.7	1.76	42.32
39.0-40.0	267.3	18.6	464.3	1.77	44.09
40.0-41.0	262.6	18.7	483.0	1.78	45.87
41.0-42.0	257.9	18.7	501.8	1.78	47.65
42.0-43.0	253.0	18.7	520.5	1.78	49.42
43.0-44.0	248.0	18.7	539.2	1.78	51.20
44.0-45.0	243.1	18.7	557.9	1.77	52.98
45.0-46.0	238.0	18.6	576.5	1.77	54.74
46.0-47.0	232.9	18.5	595.1	1.76	56.50
47.0-48.0	227.8	18.4	613.5	1.75	58.25
48.0-49.0	222.5	18.3	631.7	1.74	59.99
49.0-50.0	217.2	18.1	649.8	1.72	61.71
50.0-51.0	211.9	17.9	667.8	1.70	63.41
51.0-52.0	206.5	17.7	685.5	1.68	65.09
52.0-53.0	201.0	17.5	703.0	1.66	66.75
53.0-54.0	195.5	17.2	720.2	1.64	68.39
54.0-55.0	189.9	17.0	737.2	1.61	70.00
55.0-56.0	184.3	16.7	753.8	1.58	71.58
56.0-57.0	178.6	16.3	770.2	1.55	73.13
57.0-58.0	172.9	16.0	786.1	1.52	74.65
58.0-59.0	167.2	15.6	801.8	1.48	76.13
59.0-60.0	161.4	15.3	817.0	1.45	77.58
60.0-61.0	155.6	14.9	831.9	1.41	78.99
61.0-62.0	149.7	14.4	846.3	1.37	80.36
62.0-63.0	143.7	14.0	860.3	1.33	81.69
63.0-64.0	137.9	13.5	873.8	1.28	82.97
64.0-65.0	132.0	13.1	886.9	1.24	84.21
65.0-66.0	126.0	12.6	899.5	1.19	85.41
66.0-67.0	120.1	12.1	911.5	1.15	86.56
67.0-68.0	114.1	11.6	923.1	1.10	87.65
68.0-69.0	108.0	11.0	934.1	1.05	88.70
69.0-70.0	102.1	10.5	944.6	1.00	89.70
70.0-71.0	96.3	9.9	954.5	0.94	90.64
71.0-72.0	90.3	9.4	963.9	0.89	91.53

C Plane (°):0.0-360.0: 45.0  
Test Lab: Inventfine instrument  
Test Type: TYPE C  
Temperature: 28  
Operator: Jacky tang

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 7.984 m  
Humidity: 58  
Inspector:

## Zonal Lumen (Continue 2)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	84.4	8.8	972.8	0.84	92.37
73.0-74.0	78.5	8.3	981.0	0.78	93.15
74.0-75.0	72.7	7.7	988.7	0.73	93.88
75.0-76.0	67.1	7.1	995.8	0.68	94.56
76.0-77.0	61.5	6.6	1002.4	0.62	95.18
77.0-78.0	56.0	6.0	1008.4	0.57	95.75
78.0-79.0	50.6	5.4	1013.8	0.52	96.27
79.0-80.0	45.3	4.9	1018.7	0.46	96.73
80.0-81.0	40.1	4.3	1023.1	0.41	97.15
81.0-82.0	35.2	3.8	1026.9	0.36	97.51
82.0-83.0	30.3	3.3	1030.2	0.31	97.82
83.0-84.0	25.6	2.8	1033.0	0.27	98.09
84.0-85.0	21.0	2.3	1035.3	0.22	98.30
85.0-86.0	16.6	1.8	1037.1	0.17	98.48
86.0-87.0	12.5	1.4	1038.4	0.13	98.61
87.0-88.0	8.6	0.9	1039.4	0.09	98.70
88.0-89.0	5.1	0.6	1040.0	0.05	98.75
89.0-90.0	2.5	0.3	1040.2	0.03	98.78
90.0-91.0	1.2	0.1	1040.4	0.01	98.79
91.0-92.0	0.9	0.1	1040.5	0.01	98.80
92.0-93.0	0.9	0.1	1040.6	0.01	98.81
93.0-94.0	0.9	0.1	1040.7	0.01	98.82
94.0-95.0	1.0	0.1	1040.8	0.01	98.83
95.0-96.0	1.0	0.1	1040.9	0.01	98.84
96.0-97.0	1.0	0.1	1041.0	0.01	98.85
97.0-98.0	1.0	0.1	1041.1	0.01	98.86
98.0-99.0	1.1	0.1	1041.2	0.01	98.87
99.0-100.0	1.1	0.1	1041.3	0.01	98.88
100.0-101.0	1.2	0.1	1041.5	0.01	98.89
101.0-102.0	1.2	0.1	1041.6	0.01	98.91
102.0-103.0	1.3	0.1	1041.7	0.01	98.92
103.0-104.0	1.3	0.1	1041.9	0.01	98.93
104.0-105.0	1.3	0.1	1042.0	0.01	98.94
105.0-106.0	1.4	0.1	1042.1	0.01	98.96
106.0-107.0	1.4	0.1	1042.3	0.01	98.97
107.0-108.0	1.4	0.2	1042.4	0.01	98.99

C Plane (°):0.0-360.0: 45.0  
Test Lab: Inventfine instrument  
Test Type: TYPE C  
Temperature: 28  
Operator: Jacky tang

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 7.984 m  
Humidity: 58  
Inspector:

## Zonal Lumen (Continue 3)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	1.5	0.2	1042.6	0.01	99.00
109.0-110.0	1.5	0.2	1042.7	0.01	99.02
110.0-111.0	1.5	0.2	1042.9	0.02	99.03
111.0-112.0	1.6	0.2	1043.1	0.02	99.05
112.0-113.0	1.7	0.2	1043.2	0.02	99.06
113.0-114.0	1.7	0.2	1043.4	0.02	99.08
114.0-115.0	1.7	0.2	1043.6	0.02	99.09
115.0-116.0	1.8	0.2	1043.8	0.02	99.11
116.0-117.0	1.8	0.2	1043.9	0.02	99.13
117.0-118.0	1.9	0.2	1044.1	0.02	99.15
118.0-119.0	1.9	0.2	1044.3	0.02	99.16
119.0-120.0	2.0	0.2	1044.5	0.02	99.18
120.0-121.0	2.0	0.2	1044.7	0.02	99.20
121.0-122.0	2.1	0.2	1044.9	0.02	99.22
122.0-123.0	2.1	0.2	1045.1	0.02	99.24
123.0-124.0	2.1	0.2	1045.3	0.02	99.25
124.0-125.0	2.2	0.2	1045.5	0.02	99.27
125.0-126.0	2.2	0.2	1045.6	0.02	99.29
126.0-127.0	2.3	0.2	1045.8	0.02	99.31
127.0-128.0	2.3	0.2	1046.0	0.02	99.33
128.0-129.0	2.3	0.2	1046.3	0.02	99.35
129.0-130.0	2.4	0.2	1046.5	0.02	99.37
130.0-131.0	2.4	0.2	1046.7	0.02	99.39
131.0-132.0	2.5	0.2	1046.9	0.02	99.41
132.0-133.0	2.5	0.2	1047.1	0.02	99.43
133.0-134.0	2.6	0.2	1047.3	0.02	99.44
134.0-135.0	2.6	0.2	1047.5	0.02	99.46
135.0-136.0	2.6	0.2	1047.7	0.02	99.48
136.0-137.0	2.7	0.2	1047.9	0.02	99.50
137.0-138.0	2.7	0.2	1048.1	0.02	99.52
138.0-139.0	2.7	0.2	1048.3	0.02	99.54
139.0-140.0	2.8	0.2	1048.5	0.02	99.56
140.0-141.0	2.8	0.2	1048.7	0.02	99.58
141.0-142.0	2.8	0.2	1048.8	0.02	99.59
142.0-143.0	2.9	0.2	1049.0	0.02	99.61
143.0-144.0	2.9	0.2	1049.2	0.02	99.63

C Plane (°):0.0-360.0: 45.0  
Test Lab: Inventfine instrument  
Test Type: TYPE C  
Temperature: 28  
Operator: Jacky tang

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 7.984 m  
Humidity: 58  
Inspector:

## Zonal Lumen (Continue 4)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	2.9	0.2	1049.4	0.02	99.65
145.0-146.0	2.9	0.2	1049.6	0.02	99.67
146.0-147.0	3.0	0.2	1049.8	0.02	99.68
147.0-148.0	3.0	0.2	1050.0	0.02	99.70
148.0-149.0	3.1	0.2	1050.1	0.02	99.72
149.0-150.0	3.1	0.2	1050.3	0.02	99.73
150.0-151.0	3.1	0.2	1050.5	0.02	99.75
151.0-152.0	3.1	0.2	1050.6	0.02	99.76
152.0-153.0	3.2	0.2	1050.8	0.02	99.78
153.0-154.0	3.2	0.2	1051.0	0.01	99.79
154.0-155.0	3.2	0.2	1051.1	0.01	99.81
155.0-156.0	3.2	0.1	1051.3	0.01	99.82
156.0-157.0	3.3	0.1	1051.4	0.01	99.84
157.0-158.0	3.3	0.1	1051.5	0.01	99.85
158.0-159.0	3.3	0.1	1051.7	0.01	99.86
159.0-160.0	3.3	0.1	1051.8	0.01	99.87
160.0-161.0	3.4	0.1	1051.9	0.01	99.89
161.0-162.0	3.4	0.1	1052.0	0.01	99.90
162.0-163.0	3.4	0.1	1052.1	0.01	99.91
163.0-164.0	3.4	0.1	1052.3	0.01	99.92
164.0-165.0	3.4	0.1	1052.4	0.01	99.93
165.0-166.0	3.4	0.1	1052.4	0.01	99.94
166.0-167.0	3.5	0.1	1052.5	0.01	99.95
167.0-168.0	3.5	0.1	1052.6	0.01	99.95
168.0-169.0	3.5	0.1	1052.7	0.01	99.96
169.0-170.0	3.5	0.1	1052.8	0.01	99.97
170.0-171.0	3.6	0.1	1052.8	0.01	99.97
171.0-172.0	3.6	0.1	1052.9	0.01	99.98
172.0-173.0	3.6	0.1	1052.9	0.00	99.98
173.0-174.0	3.6	0.0	1053.0	0.00	99.99
174.0-175.0	3.6	0.0	1053.0	0.00	99.99
175.0-176.0	3.6	0.0	1053.1	0.00	99.99
176.0-177.0	3.7	0.0	1053.1	0.00	100.00
177.0-178.0	3.7	0.0	1053.1	0.00	100.00
178.0-179.0	3.7	0.0	1053.1	0.00	100.00
179.0-180.0	3.7	0.0	1053.1	0.00	100.00

C Plane (°):0.0-360.0: 45.0  
Test Lab: Inventfine instrument  
Test Type: TYPE C  
Temperature: 28  
Operator: Jacky tang

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 7.984 m  
Humidity: 58  
Inspector:



## Candlepower Table

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G0.0	373.5	369.8	367.1	365.4	373.5	369.8	367.1	365.4	373.5	
G1.0	373.5	369.9	367.2	365.5	373.4	369.5	366.8	365.2	373.5	
G2.0	373.4	369.9	367.3	365.3	373.1	369.1	366.4	364.8	373.4	
G3.0	373.1	369.8	367.2	365.0	372.7	368.6	365.8	364.3	373.1	
G4.0	372.8	369.5	366.8	364.6	372.0	367.8	365.2	363.4	372.8	
G5.0	372.2	369.0	366.4	364.1	371.3	366.9	364.3	362.8	372.2	
G6.0	371.6	368.2	365.9	363.5	370.2	366.0	363.4	361.9	371.6	
G7.0	370.9	367.5	365.1	362.8	369.1	365.0	362.2	360.7	370.9	
G8.0	369.9	366.6	364.3	361.9	367.9	363.8	360.9	359.5	369.9	
G9.0	368.6	365.6	363.3	360.9	366.6	362.5	359.5	357.9	368.6	
G10.0	367.3	364.5	361.9	359.7	365.3	360.7	357.9	356.4	367.3	
G11.0	365.9	363.2	360.8	358.4	363.7	359.1	356.3	354.8	365.9	
G12.0	364.4	361.8	359.5	356.9	361.9	357.3	354.5	353.1	364.4	
G13.0	362.6	360.2	357.9	355.3	360.1	355.3	352.5	351.2	362.6	
G14.0	361.1	358.3	356.0	353.3	358.0	353.4	350.4	349.1	361.1	
G15.0	359.1	356.4	354.2	351.4	355.9	351.3	348.3	347.0	359.1	
G16.0	357.0	354.5	352.2	349.4	353.4	349.0	346.0	344.7	357.0	
G17.0	354.5	352.5	350.1	347.3	351.0	346.6	343.5	342.3	354.5	
G18.0	352.2	350.3	348.0	345.1	348.5	343.8	341.0	339.6	352.2	
G19.0	349.8	347.9	345.6	342.7	345.9	341.1	338.3	336.9	349.8	
G20.0	347.1	345.2	342.9	339.9	343.2	338.4	335.3	334.1	347.1	
G21.0	344.5	342.6	340.3	337.3	340.1	335.5	332.3	331.3	344.5	
G22.0	341.7	339.9	337.6	334.5	337.4	332.6	329.4	328.3	341.7	
G23.0	338.8	337.1	334.9	331.6	334.0	329.1	326.1	324.9	338.8	
G24.0	335.7	334.1	331.9	328.7	330.7	326.2	322.9	321.9	335.7	
G25.0	332.2	331.0	328.9	325.5	327.4	322.5	319.5	318.6	332.2	
G26.0	328.8	327.9	325.3	322.3	323.9	319.1	315.8	314.8	328.8	
G27.0	325.5	324.6	322.0	319.0	320.5	315.6	312.3	311.3	325.5	
G28.0	321.9	320.9	318.7	315.6	316.8	311.9	308.7	307.7	321.9	
G29.0	318.4	317.5	315.2	311.8	313.1	308.2	305.0	303.9	318.4	
G30.0	314.7	313.9	311.6	308.2	309.3	304.4	301.0	300.1	314.7	
G31.0	310.8	310.2	307.6	304.3	305.0	300.5	297.0	296.2	310.8	
G32.0	306.6	306.4	303.8	300.6	301.0	296.1	292.9	292.2	306.6	
G33.0	302.7	302.5	299.9	296.7	296.9	292.1	288.8	287.9	302.7	
G34.0	298.5	298.2	295.9	292.3	292.7	287.9	284.6	283.7	298.5	
G35.0	294.3	294.1	291.9	288.2	288.4	283.6	280.3	279.5	294.3	
G36.0	290.0	289.9	287.3	284.0	283.6	279.2	275.7	275.1	290.0	

C Plane (°):0.0-360.0: 45.0  
Test Lab: Inventfine instrument  
Test Type: TYPE C  
Temperature: 28  
Operator: Jacky tang

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 7.984 m  
Humidity: 58  
Inspector:

## Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G37.0	285.6	285.6	283.1	279.7	279.2	274.8	271.2	270.7	285.6	
G38.0	280.8	281.0	278.8	275.4	274.6	270.3	266.7	266.0	280.8	
G39.0	276.4	276.5	274.4	270.6	270.0	265.7	262.0	261.5	276.4	
G40.0	271.7	271.9	269.5	266.2	265.3	260.6	257.3	256.9	271.7	
G41.0	267.0	267.4	264.9	261.5	260.5	256.0	252.6	252.0	267.0	
G42.0	262.3	262.8	260.3	256.8	255.7	251.2	247.9	247.3	262.3	
G43.0	257.1	257.7	255.5	251.7	250.4	246.3	242.8	242.5	257.1	
G44.0	252.1	252.9	250.4	247.0	245.5	241.3	237.8	237.6	252.1	
G45.0	247.1	247.9	245.6	242.2	240.4	235.9	232.7	232.5	247.1	
G46.0	242.1	242.6	240.6	237.1	235.3	230.9	227.7	227.5	242.1	
G47.0	237.0	237.6	235.6	232.2	230.2	225.9	222.6	222.2	237.0	
G48.0	231.4	232.4	230.5	226.7	225.0	220.6	217.4	217.1	231.4	
G49.0	226.1	227.1	224.9	221.6	219.3	215.4	211.9	211.9	226.1	
G50.0	220.8	221.9	219.7	216.4	214.0	210.0	206.6	206.7	220.8	
G51.0	215.3	216.6	214.5	211.2	208.6	204.6	201.3	201.4	215.3	
G52.0	209.9	210.8	209.1	205.8	203.1	199.3	196.0	195.8	209.9	
G53.0	204.1	205.5	203.8	200.1	197.7	193.9	190.6	190.5	204.1	
G54.0	198.6	199.9	198.0	194.7	192.1	188.4	185.0	185.1	198.6	
G55.0	192.9	194.1	192.5	189.2	186.5	182.4	179.6	179.5	192.9	
G56.0	187.3	188.5	187.0	183.7	180.5	176.9	173.7	174.0	187.3	
G57.0	181.2	182.9	181.4	177.8	174.9	171.2	168.2	168.2	181.2	
G58.0	175.5	177.3	175.8	172.3	169.1	165.5	162.4	162.6	175.5	
G59.0	169.6	171.4	169.8	166.5	163.4	159.9	156.8	157.1	169.6	
G60.0	163.8	165.7	164.1	160.8	157.6	154.1	151.1	151.4	163.8	
G61.0	157.6	159.5	158.3	154.9	151.8	147.9	145.4	145.6	157.6	
G62.0	151.7	153.7	152.5	149.2	145.5	142.1	139.3	139.9	151.7	
G63.0	145.7	147.7	146.3	143.2	139.6	136.2	133.5	133.8	145.7	
G64.0	139.8	141.9	140.6	137.6	133.8	130.4	127.8	128.1	139.8	
G65.0	133.5	135.6	134.7	131.5	127.9	124.6	121.9	122.4	133.5	
G66.0	127.4	129.5	128.4	125.4	122.0	118.8	116.1	116.7	127.4	
G67.0	121.1	123.7	122.6	119.7	116.1	112.4	110.4	110.9	121.1	
G68.0	115.0	117.4	116.6	113.6	109.7	106.5	104.2	105.2	115.0	
G69.0	109.1	111.3	110.4	107.5	103.9	100.8	98.4	99.1	109.1	
G70.0	103.1	105.4	104.5	101.8	97.8	94.9	92.7	93.3	103.1	
G71.0	96.8	99.5	98.5	96.0	92.0	89.1	86.9	87.7	96.8	
G72.0	90.9	93.3	92.7	89.9	86.1	82.8	81.2	82.0	90.9	
G73.0	84.9	87.4	86.5	83.9	80.3	77.1	75.2	76.3	84.9	

C Plane (°):0.0-360.0: 45.0  
Test Lab: Inventfine instrument  
Test Type: TYPE C  
Temperature: 28  
Operator: Jacky tang

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 7.984 m  
Humidity: 58  
Inspector:

## Candlepower Table (Continue 2)

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G74.0	78.7	81.4	80.6	78.3	74.1	71.4	69.5	70.7	78.7	
G75.0	72.9	75.3	74.9	72.3	68.5	65.9	64.1	65.3	72.9	
G76.0	67.1	69.6	68.9	66.8	62.9	60.4	58.7	60.0	67.1	
G77.0	61.6	63.9	63.4	61.1	57.4	54.9	53.4	54.3	61.6	
G78.0	55.8	58.3	57.8	55.5	52.0	49.7	48.2	49.1	55.8	
G79.0	50.3	52.6	52.1	50.2	46.8	44.5	43.2	44.1	50.3	
G80.0	44.7	47.2	46.9	44.8	41.2	39.1	37.9	39.2	44.7	
G81.0	39.5	42.0	41.7	39.6	36.3	34.3	33.1	34.4	39.5	
G82.0	34.5	36.7	36.7	34.7	31.4	29.5	28.5	29.5	34.5	
G83.0	29.7	31.8	31.5	30.0	26.8	25.0	24.1	25.0	29.7	
G84.0	24.7	27.1	26.8	25.2	21.9	20.5	19.2	20.7	24.7	
G85.0	20.2	22.3	22.2	20.8	17.5	15.8	14.8	16.6	20.2	
G86.0	15.8	17.9	17.5	16.4	13.4	11.7	10.8	12.6	15.8	
G87.0	11.9	13.4	13.3	12.2	9.4	7.8	7.2	8.9	11.9	
G88.0	7.7	9.2	9.2	8.4	5.9	4.3	4.0	5.2	7.7	
G89.0	4.2	5.5	5.3	4.8	2.8	1.9	1.5	2.4	4.2	
G90.0	1.7	2.5	2.4	1.9	0.9	0.8	0.9	0.9	1.7	
G91.0	0.9	1.0	1.1	0.9	0.8	0.8	0.9	0.9	0.9	
G92.0	1.0	0.9	0.9	0.9	1.0	0.8	0.9	0.9	1.0	
G93.0	1.0	0.9	0.9	0.9	0.9	1.0	0.8	0.8	1.0	
G94.0	0.9	0.9	1.0	0.9	0.9	1.0	0.8	1.0	0.9	
G95.0	1.0	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0	
G96.0	1.1	1.0	1.0	1.0	0.9	0.9	1.1	1.0	1.1	
G97.0	1.1	1.0	1.0	1.0	1.1	0.9	1.0	0.9	1.1	
G98.0	1.0	1.1	1.0	1.1	1.1	1.2	1.0	0.9	1.0	
G99.0	1.1	1.1	1.2	1.1	1.0	1.2	1.0	1.0	1.1	
G100.0	1.3	1.1	1.1	1.1	1.0	1.2	1.2	1.2	1.3	
G101.0	1.2	1.2	1.3	1.1	1.1	1.0	1.3	1.3	1.2	
G102.0	1.4	1.2	1.3	1.2	1.3	1.1	1.3	1.3	1.4	
G103.0	1.4	1.3	1.2	1.2	1.4	1.3	1.2	1.1	1.4	
G104.0	1.3	1.3	1.2	1.3	1.2	1.2	1.2	1.2	1.3	
G105.0	1.4	1.3	1.4	1.3	1.3	1.3	1.4	1.4	1.4	
G106.0	1.5	1.3	1.3	1.4	1.5	1.3	1.4	1.4	1.5	
G107.0	1.4	1.4	1.4	1.4	1.5	1.5	1.3	1.4	1.4	
G108.0	1.5	1.5	1.5	1.5	1.6	1.5	1.3	1.3	1.5	
G109.0	1.6	1.5	1.4	1.5	1.4	1.4	1.4	1.4	1.6	
G110.0	1.5	1.6	1.5	1.5	1.4	1.5	1.6	1.5	1.5	

C Plane (°):0.0-360.0: 45.0  
Test Lab: Inventfine instrument  
Test Type: TYPE C  
Temperature: 28  
Operator: Jacky tang

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 7.984 m  
Humidity: 58  
Inspector:

## Candlepower Table (Continue 3)

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G111.0	1.6	1.6	1.6	1.6	1.5	1.5	1.6	1.6	1.6	
G112.0	1.8	1.6	1.7	1.6	1.5	1.5	1.7	1.6	1.8	
G113.0	1.7	1.7	1.7	1.6	1.7	1.8	1.6	1.6	1.7	
G114.0	1.8	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.8	
G115.0	1.9	1.8	1.7	1.7	1.7	1.7	1.8	1.8	1.9	
G116.0	1.8	1.9	1.7	1.8	1.9	1.9	1.7	1.7	1.8	
G117.0	1.9	1.9	1.9	1.8	1.9	2.0	1.8	1.8	1.9	
G118.0	2.0	1.9	1.8	1.9	1.8	1.8	1.8	1.9	2.0	
G119.0	2.0	1.9	2.0	1.9	1.8	1.9	2.0	1.9	2.0	
G120.0	2.1	2.0	2.0	2.0	2.0	2.1	2.1	2.0	2.1	
G121.0	2.2	2.1	2.0	2.0	2.1	2.2	1.9	2.0	2.2	
G122.0	2.1	2.1	2.0	2.0	2.2	2.0	2.0	2.0	2.1	
G123.0	2.1	2.1	2.1	2.1	2.1	2.0	2.1	2.1	2.1	
G124.0	2.3	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.3	
G125.0	2.2	2.2	2.2	2.2	2.1	2.3	2.2	2.2	2.2	
G126.0	2.4	2.3	2.3	2.2	2.3	2.3	2.2	2.2	2.4	
G127.0	2.4	2.3	2.2	2.3	2.3	2.2	2.2	2.2	2.4	
G128.0	2.3	2.4	2.4	2.3	2.3	2.2	2.3	2.3	2.3	
G129.0	2.5	2.4	2.3	2.3	2.4	2.4	2.4	2.3	2.5	
G130.0	2.5	2.4	2.4	2.4	2.5	2.3	2.3	2.3	2.5	
G131.0	2.5	2.5	2.5	2.4	2.5	2.4	2.4	2.4	2.5	
G132.0	2.6	2.5	2.5	2.5	2.4	2.4	2.5	2.4	2.6	
G133.0	2.7	2.5	2.5	2.5	2.4	2.6	2.5	2.5	2.7	
G134.0	2.6	2.6	2.6	2.5	2.7	2.6	2.5	2.5	2.6	
G135.0	2.6	2.7	2.7	2.7	2.7	2.5	2.5	2.5	2.6	
G136.0	2.8	2.7	2.6	2.7	2.5	2.7	2.5	2.5	2.8	
G137.0	2.7	2.8	2.7	2.7	2.6	2.8	2.7	2.6	2.7	
G138.0	2.8	2.7	2.7	2.6	2.6	2.8	2.7	2.7	2.8	
G139.0	2.7	2.8	2.8	2.7	2.8	2.7	2.7	2.7	2.7	
G140.0	2.8	2.9	2.8	2.7	2.7	2.8	2.8	2.7	2.8	
G141.0	3.0	2.8	2.8	2.8	2.7	2.7	2.8	2.7	3.0	
G142.0	2.9	3.0	2.9	2.8	3.0	2.7	2.8	2.7	2.9	
G143.0	3.0	3.0	2.9	2.9	3.0	2.8	2.8	2.8	3.0	
G144.0	3.0	3.0	2.9	2.9	2.8	3.0	2.9	2.9	3.0	
G145.0	2.9	3.1	2.9	2.9	2.8	3.0	2.9	2.8	2.9	
G146.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.9	3.0	
G147.0	3.2	3.0	3.0	3.1	3.1	2.9	3.0	3.0	3.2	

C Plane (°):0.0-360.0: 45.0  
Test Lab: Inventfine instrument  
Test Type: TYPE C  
Temperature: 28  
Operator: Jacky tang

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 7.984 m  
Humidity: 58  
Inspector:

## Candlepower Table (Continue 4)

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G148.0	3.0	3.2	3.0	3.1	3.0	3.1	3.0	3.0	3.0	
G149.0	3.1	3.1	3.1	3.1	3.0	3.1	3.0	2.9	3.1	
G150.0	3.3	3.1	3.1	3.2	3.2	3.0	3.0	3.1	3.3	
G151.0	3.1	3.2	3.2	3.1	3.0	3.2	3.1	3.0	3.1	
G152.0	3.3	3.2	3.2	3.2	3.2	3.2	3.1	3.0	3.3	
G153.0	3.2	3.3	3.1	3.2	3.3	3.1	3.2	3.2	3.2	
G154.0	3.2	3.3	3.3	3.2	3.3	3.3	3.2	3.2	3.2	
G155.0	3.4	3.2	3.3	3.3	3.1	3.3	3.2	3.1	3.4	
G156.0	3.4	3.2	3.2	3.3	3.2	3.3	3.2	3.1	3.4	
G157.0	3.3	3.4	3.3	3.2	3.3	3.2	3.2	3.1	3.3	
G158.0	3.5	3.3	3.3	3.3	3.2	3.4	3.3	3.3	3.5	
G159.0	3.3	3.2	3.3	3.3	3.3	3.4	3.3	3.2	3.3	
G160.0	3.4	3.4	3.4	3.2	3.4	3.3	3.4	3.3	3.4	
G161.0	3.6	3.4	3.5	3.3	3.3	3.3	3.3	3.3	3.6	
G162.0	3.5	3.5	3.5	3.4	3.5	3.5	3.3	3.2	3.5	
G163.0	3.6	3.4	3.6	3.4	3.3	3.5	3.3	3.3	3.6	
G164.0	3.5	3.4	3.4	3.4	3.5	3.3	3.4	3.5	3.5	
G165.0	3.6	3.4	3.4	3.5	3.4	3.5	3.4	3.3	3.6	
G166.0	3.5	3.4	3.4	3.5	3.3	3.5	3.4	3.3	3.5	
G167.0	3.5	3.6	3.6	3.5	3.6	3.4	3.5	3.5	3.5	
G168.0	3.7	3.5	3.6	3.5	3.4	3.6	3.5	3.4	3.7	
G169.0	3.5	3.6	3.5	3.5	3.6	3.4	3.5	3.6	3.5	
G170.0	3.5	3.7	3.5	3.5	3.6	3.4	3.5	3.6	3.5	
G171.0	3.7	3.7	3.5	3.6	3.6	3.6	3.5	3.4	3.7	
G172.0	3.7	3.7	3.6	3.6	3.5	3.7	3.5	3.5	3.7	
G173.0	3.8	3.7	3.6	3.6	3.5	3.5	3.7	3.7	3.8	
G174.0	3.6	3.6	3.6	3.6	3.5	3.5	3.7	3.7	3.6	
G175.0	3.6	3.7	3.6	3.7	3.6	3.8	3.6	3.6	3.6	
G176.0	3.6	3.8	3.8	3.6	3.6	3.6	3.7	3.7	3.6	
G177.0	3.8	3.7	3.8	3.6	3.8	3.6	3.5	3.5	3.8	
G178.0	3.8	3.8	3.8	3.6	3.8	3.6	3.8	3.5	3.8	
G179.0	3.6	3.6	3.8	3.7	3.6	3.6	3.8	3.6	3.6	
G180.0	3.8	3.8	3.8	3.7	3.8	3.6	3.8	3.6	3.8	

C Plane (°):0.0-360.0: 45.0  
Test Lab: Inventfine instrument  
Test Type: TYPE C  
Temperature: 28  
Operator: Jacky tang

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 7.984 m  
Humidity: 58  
Inspector: