

Report No.: 3

Test Time: 2016/10/28 16:53

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: PL-L0208-H128A

Current: 0.040 A

Power Factor: 0.922

Voltage: 220V

Power: 8.11W

Photometric Results

CIE Class: Direct

Measurement Flux: 822.4 lm

Downward Ratio: 94%

Horizontal Diffuse Angle(50%): H108.7

Vertical Diffuse Angle(50%): V126.9

Luminaire Efficacy Rating (LER): 101

Max. Intensity: 248.34 cd

Total Rated Lamp Lumens: 822.4 lm

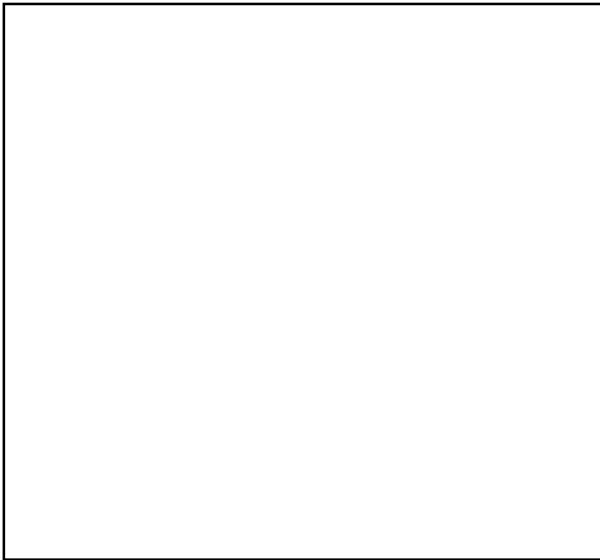
Efficiency: 100%

Upward Ratio: 6%

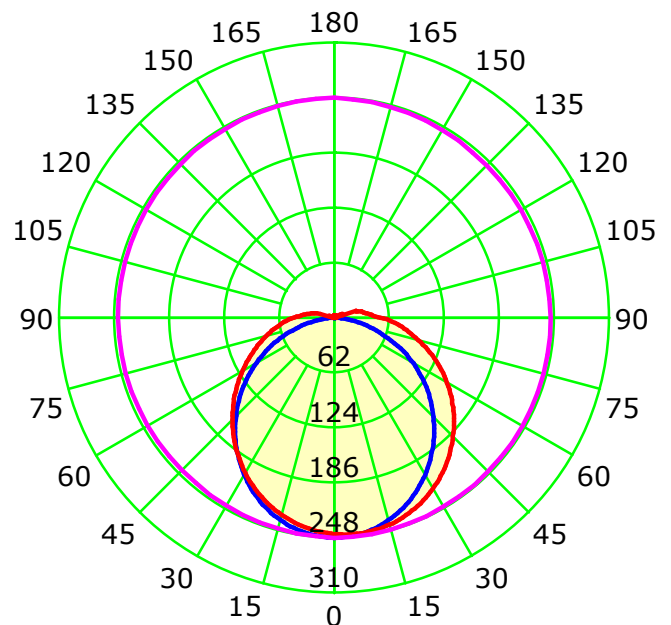
Central Intensity: 248.34 cd

Pos of Max. Intensity: H0 V0

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 117.8° Unit: cd

— C0-C180 — C90-C270 — G0

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

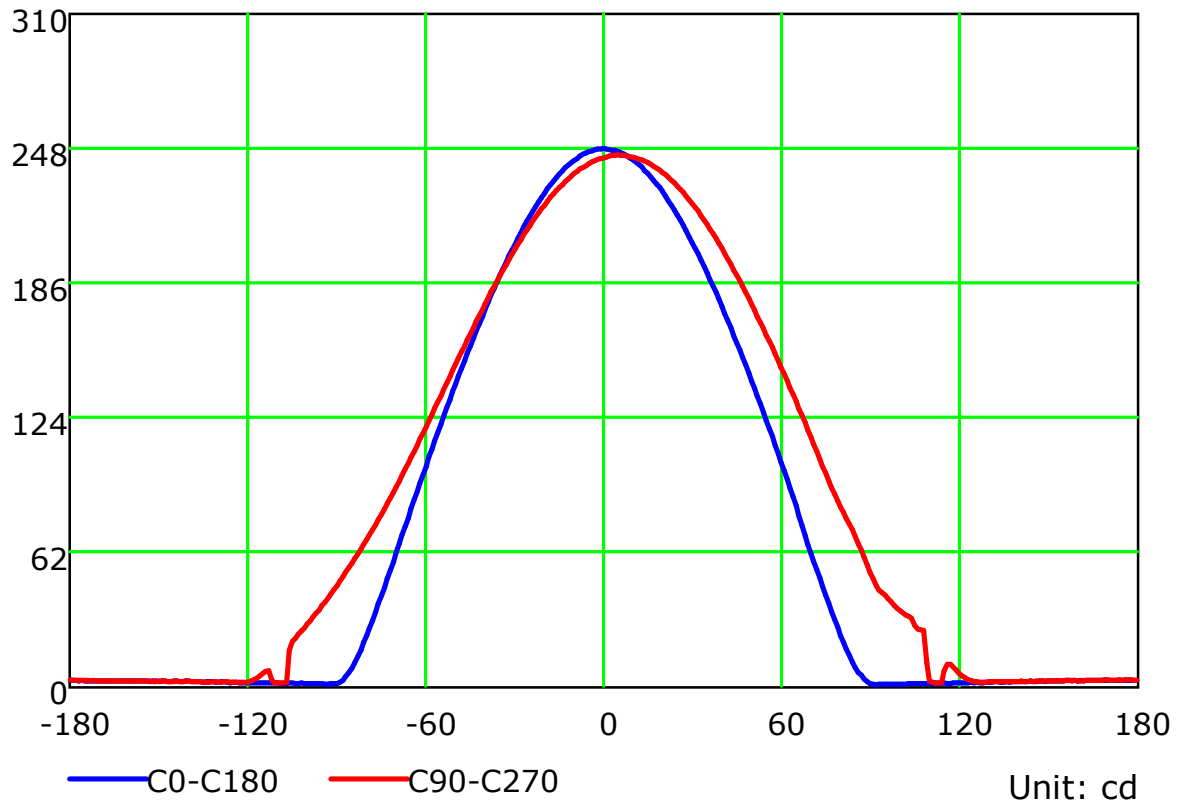
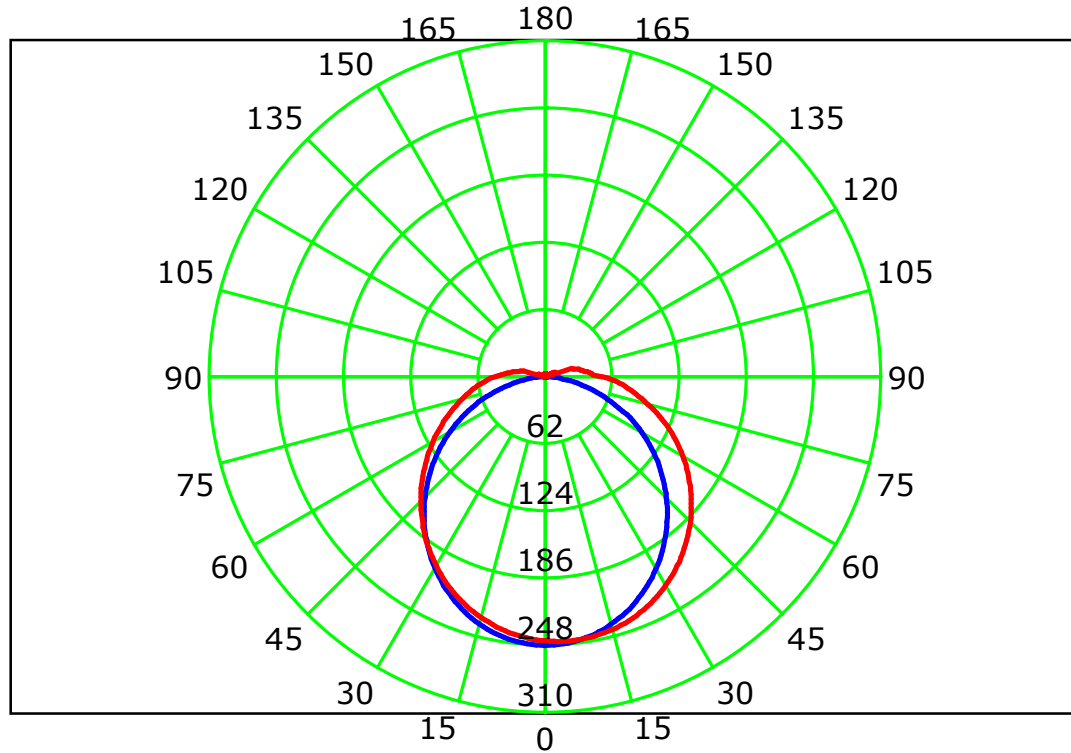
Test Device: GPM-1800B

Distance: 7.984 m

Humidity: 58

Inspector:

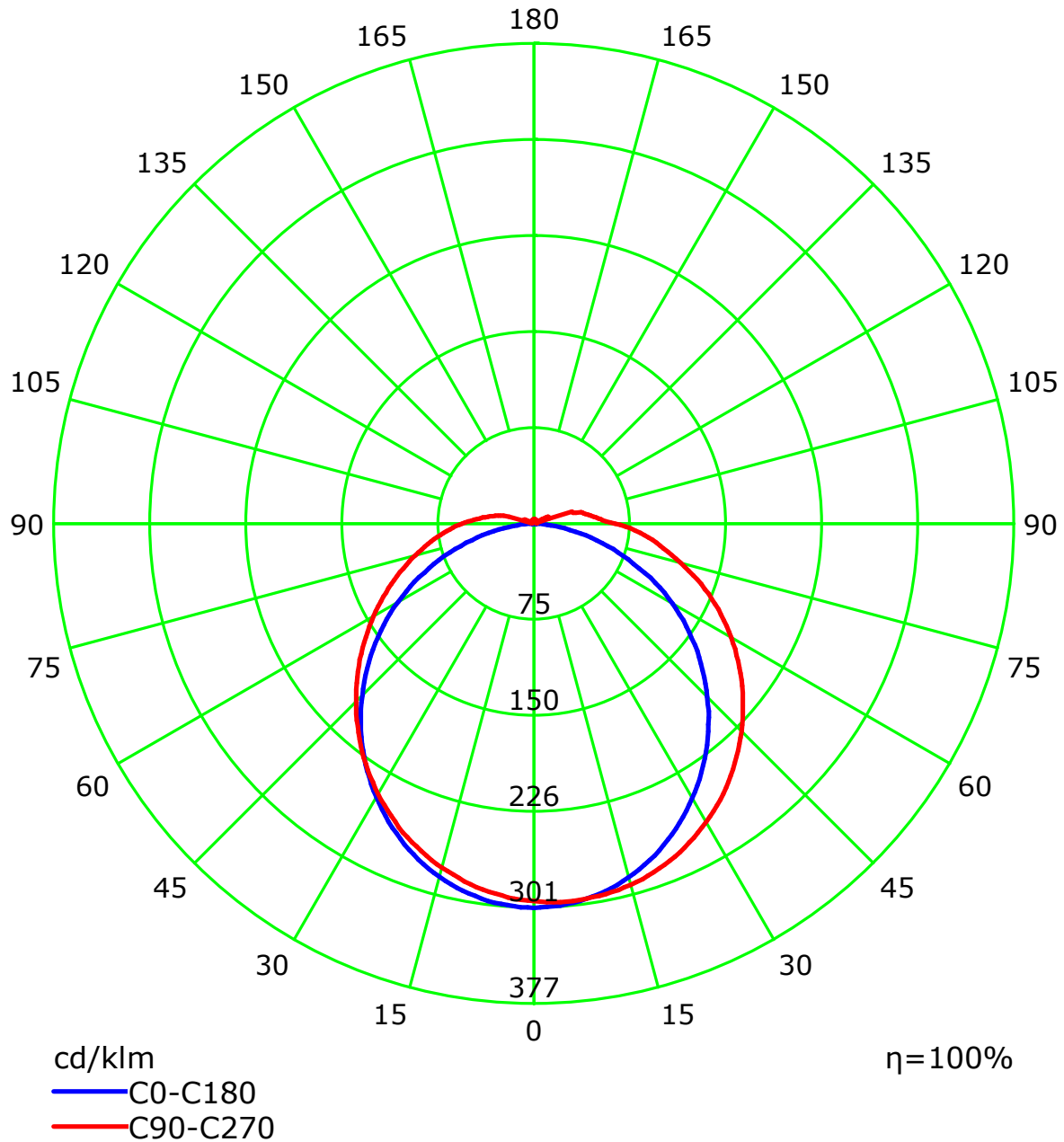
Luminous Intensity Distribution Curve



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
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Humidity: 58
Inspector:

Luminous Intensity Distribution Curve(cd/klm)



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:

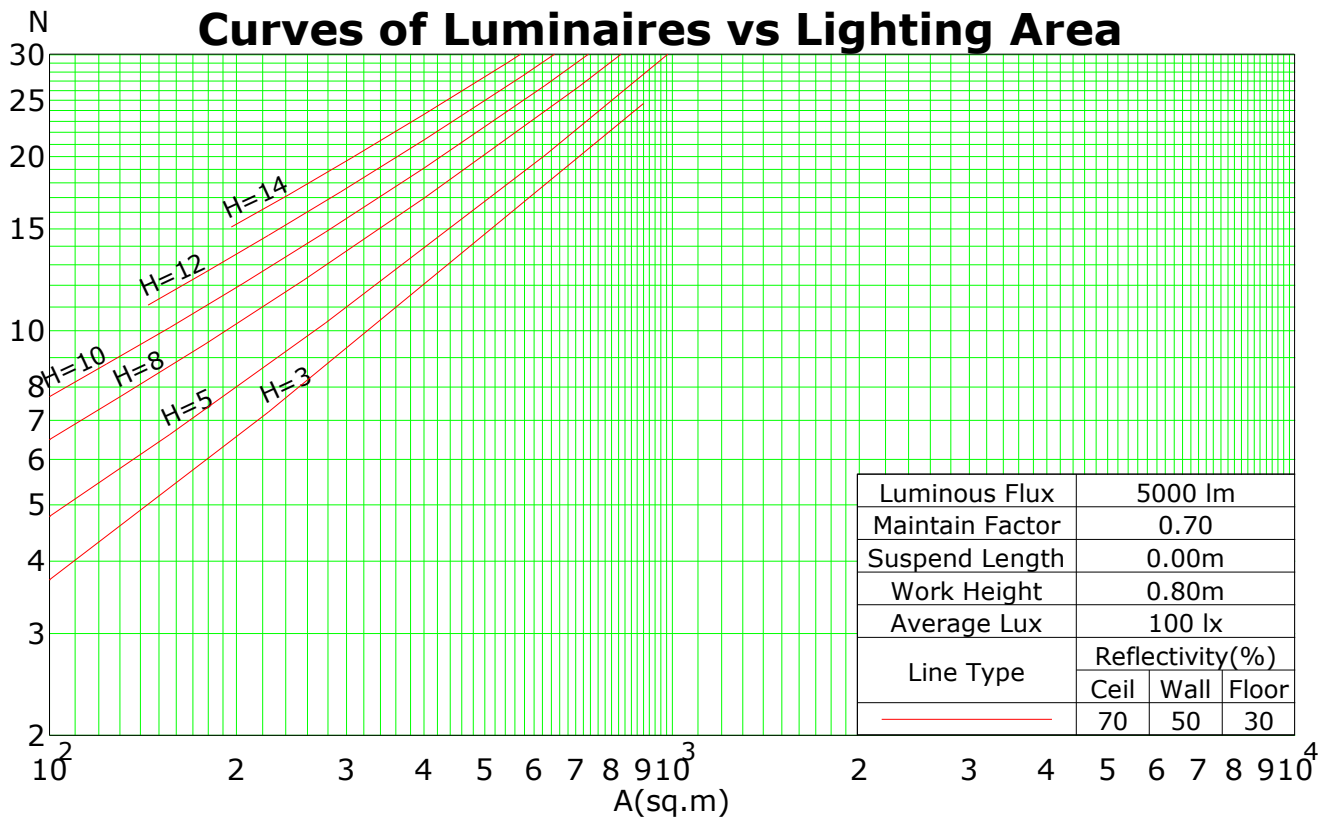
Coefficients Of Utilization - Zonal Cavity Method

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	94
1	106	100	95	91	102	97	93	89	92	88	85	87	84	81	82	80	78	75
2	95	86	79	73	92	84	77	71	79	74	69	75	71	66	71	67	64	61
3	87	75	67	60	84	73	65	59	70	63	57	66	60	55	63	58	54	51
4	79	67	57	50	76	65	56	50	62	54	48	58	52	47	56	50	46	43
5	73	59	50	43	70	58	49	42	55	47	41	52	46	41	50	44	40	37
6	67	53	44	37	65	52	43	37	50	42	36	47	41	35	45	39	35	32
7	62	48	39	33	60	47	39	33	45	37	32	43	36	31	41	35	31	29
8	58	44	35	29	56	43	35	29	41	34	28	39	33	28	38	32	27	25
9	54	40	32	26	52	39	31	26	38	31	26	36	30	25	35	29	25	23
10	51	37	29	24	49	36	29	24	35	28	23	34	27	23	32	27	22	21

Spacing Criteria (0-180): 1.23

Spacing Criteria (90-270): 1.29

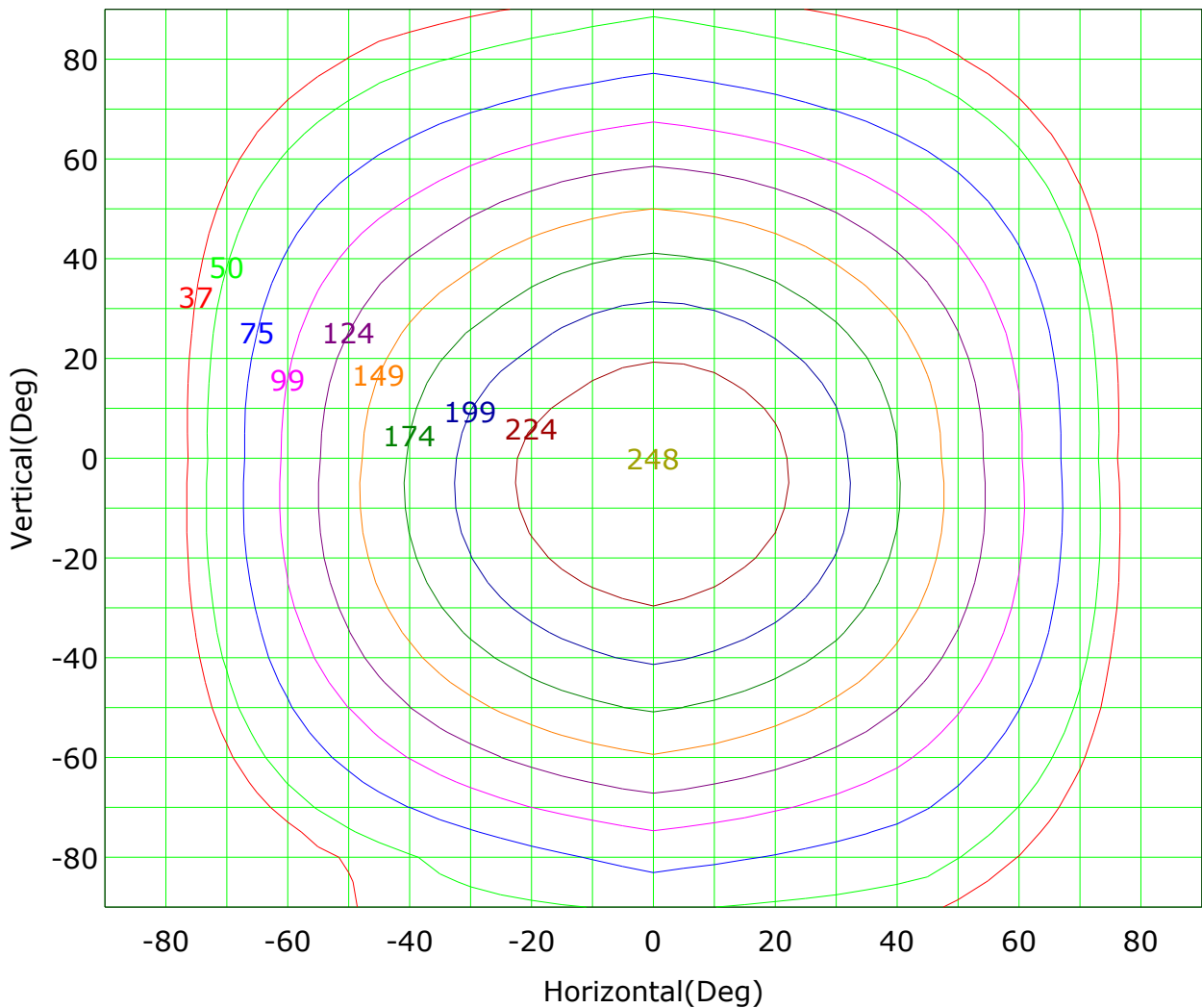
Spacing Criteria (Diagonal): 1.37



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)



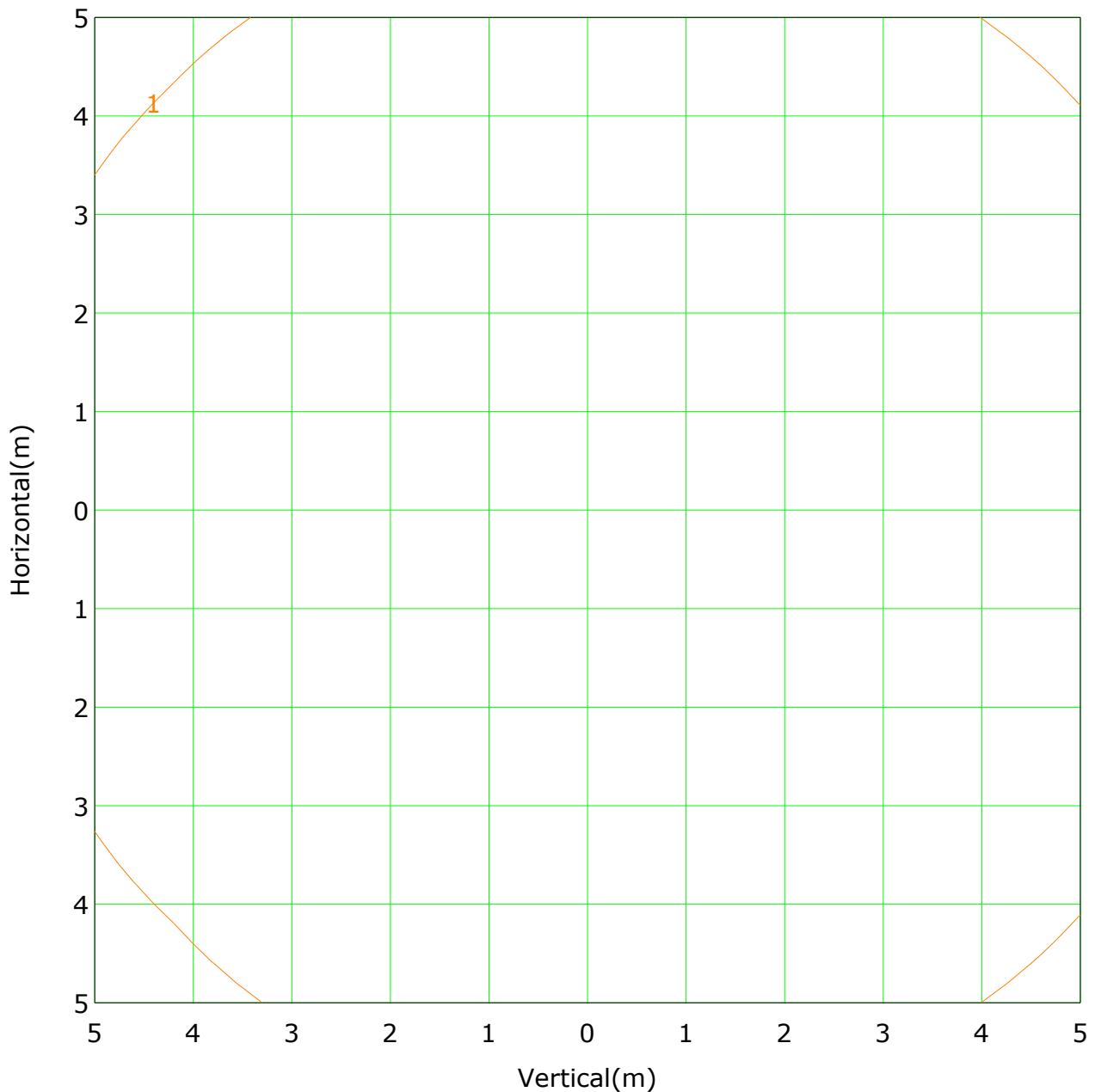
Imax (100%): 248 cd

(15%): 37 cd	(20%): 50 cd
(30%): 75 cd	(40%): 99 cd
(50%): 124 cd	(60%): 149 cd
(70%): 174 cd	(80%): 199 cd
(90%): 224 cd	(100%): 248 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:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 2.5 lx

(5%): 0.1 lx	(10%): 0.2 lx
(15%): 0.4 lx	(20%): 0.5 lx
(25%): 0.6 lx	(50%): 1.2 lx
(100%): 2.5 lx	

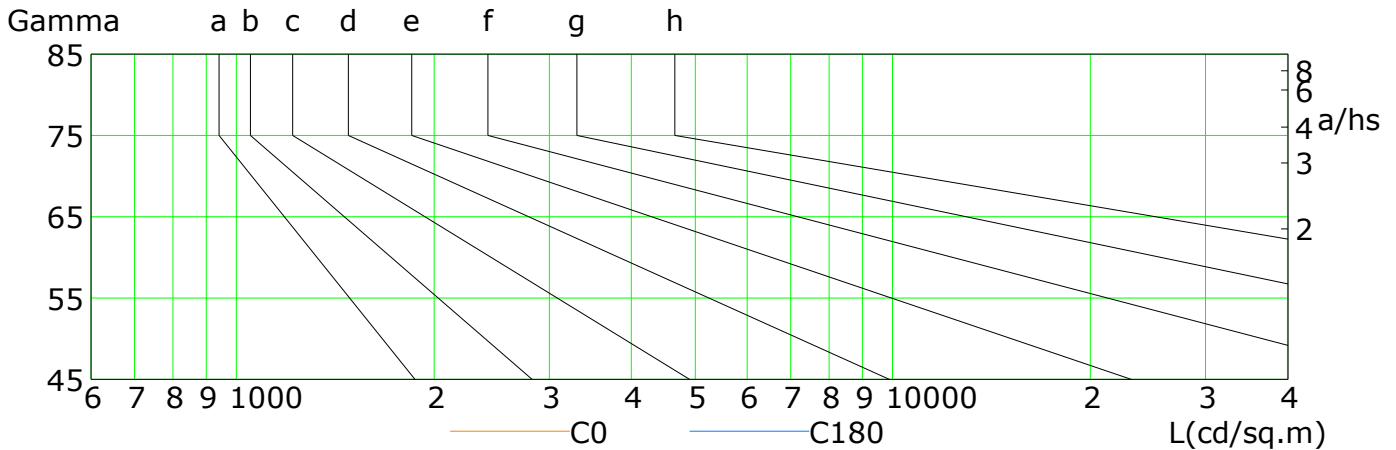
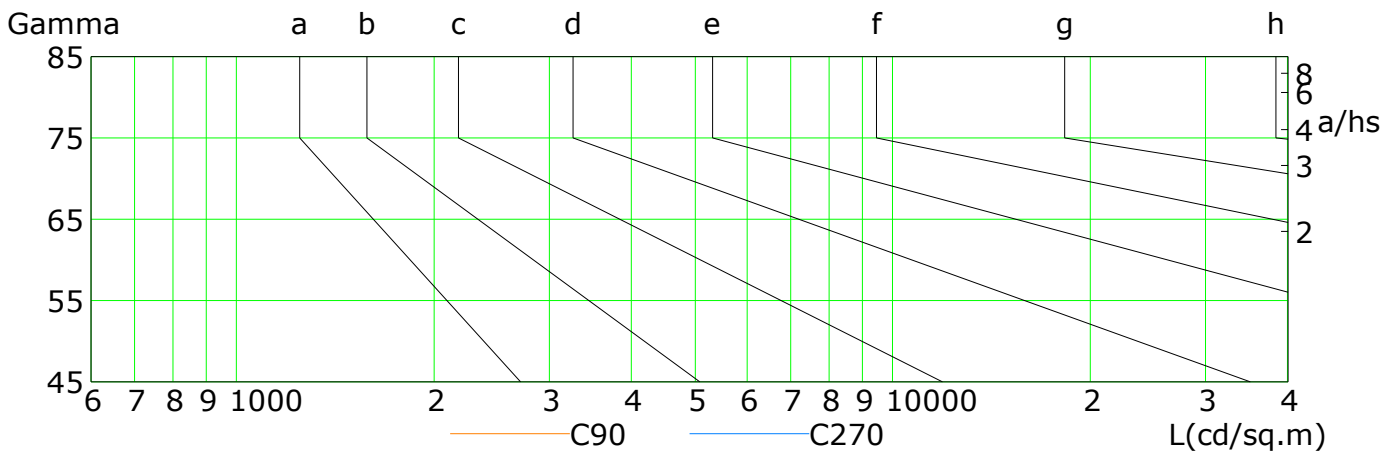
C Plane (°):0.0-360.0: 45.0
Test Lab: Inventfine instrument
Test Type: TYPE C
Temperature: 28
Operator: Jacky tang

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

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

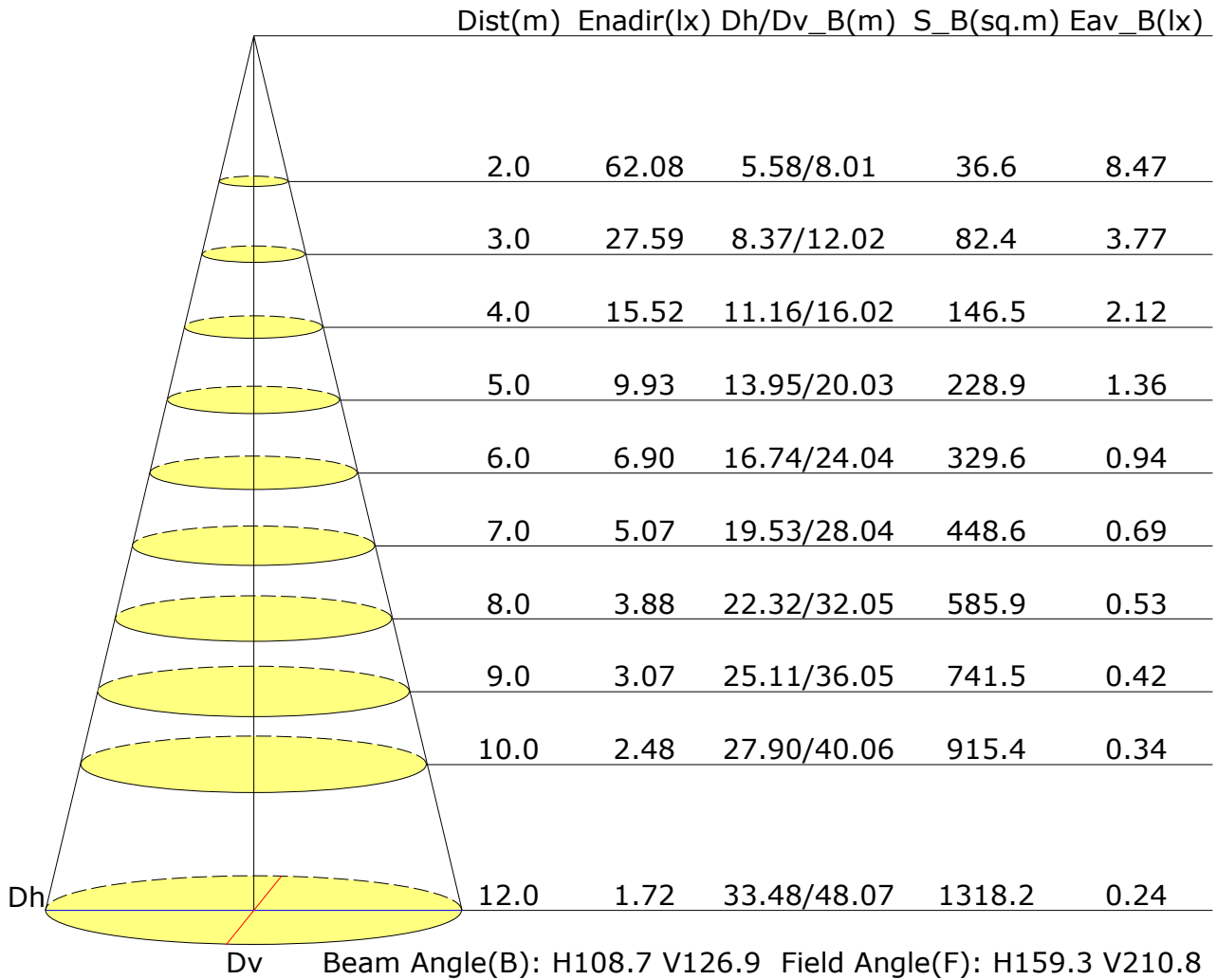


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	159	141	123	104	84	61	42	24	9
C90	190	177	162	147	132	115	98	83	69
C180	157	140	121	102	82	62	42	23	9
C270	163	149	134	120	106	92	79	68	57

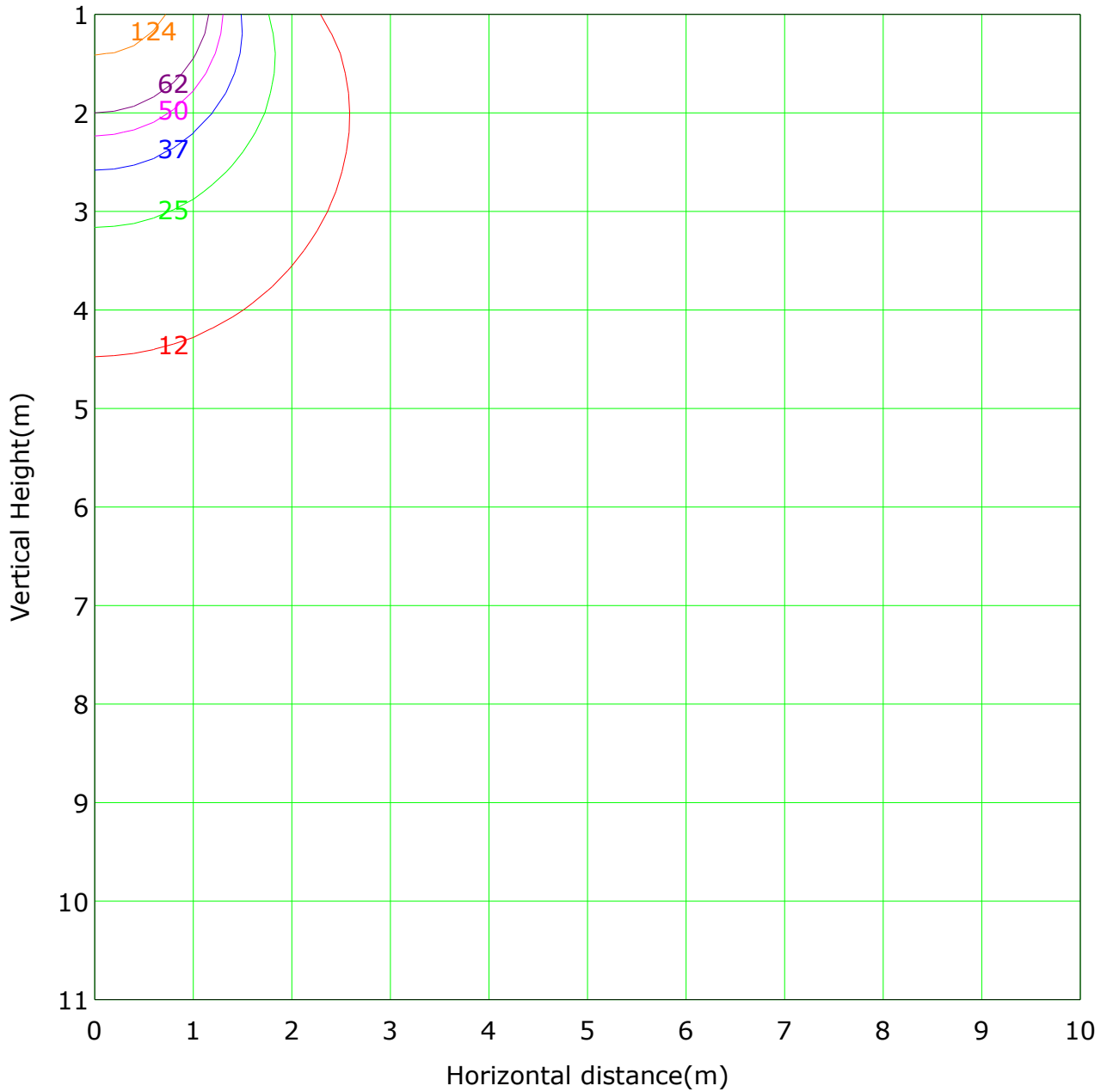
C Plane (°):0.0-360.0: 45.0
Test Lab: Inventfine instrument
Test Type: TYPE C
Temperature: 28
Operator: Jacky tang

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: 248.3 lx
— (5%): 12.4 lx — (10%): 24.8 lx
— (15%): 37.3 lx — (20%): 49.7 lx
— (25%): 62.1 lx — (50%): 124.2 lx
— (100%): 248.3 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

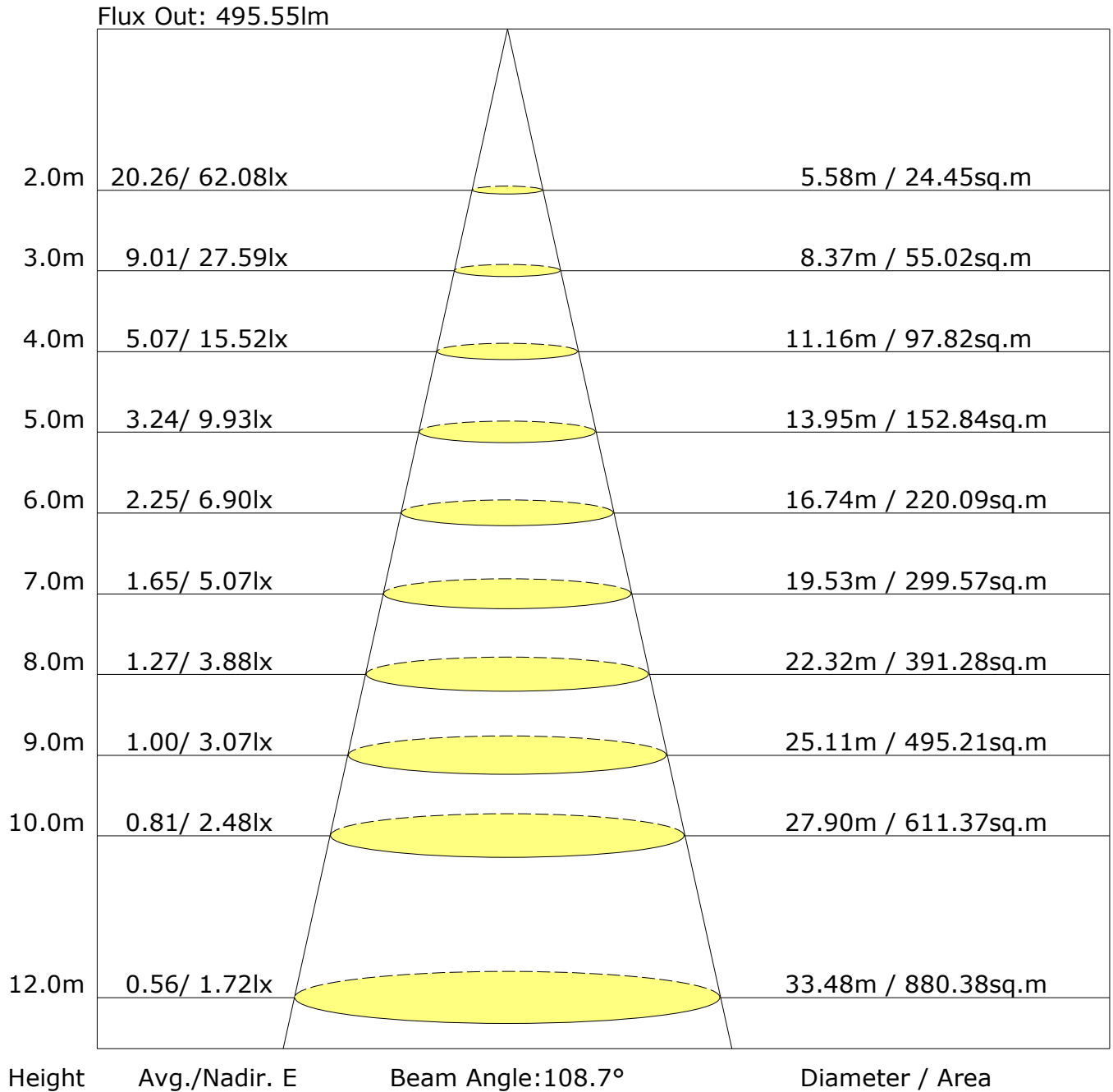
Vertical plane		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
		0.0	0.1	0.3	0.5	0.8	1.0	1.3	1.5	1.7	1.7	1.5	1.3	1.0	0.8	0.5	0.3	0.1	0.0	0.0	0.5	0.0
		0.0	0.1	0.4	0.7	1.1	1.5	1.8	2.1	2.4	2.3	2.1	1.8	1.5	1.1	0.7	0.4	0.1	0.0	0.0	4.6	0.0
		0.0	0.2	0.5	0.9	1.5	2.0	2.5	2.9	3.1	3.1	2.9	2.5	2.0	1.5	0.9	0.5	0.2	0.0	0.0	13.6	0.0
		0.0	0.2	0.6	1.2	1.9	2.6	3.2	3.7	4.0	4.0	3.7	3.2	2.6	1.9	1.2	0.6	0.2	0.0	0.0	26.6	0.0
		0.0	0.3	0.8	1.5	2.3	3.1	3.9	4.5	4.9	4.9	4.5	3.9	3.1	2.3	1.5	0.8	0.3	0.0	0.0	42.0	0.0
		0.0	0.3	0.9	1.7	2.7	3.7	4.6	5.3	5.7	5.7	5.2	4.5	3.7	2.7	1.7	0.9	0.3	0.0	0.0	57.7	0.0
		0.0	0.3	1.0	1.9	3.0	4.1	5.2	6.0	6.4	6.4	6.0	5.2	4.1	3.0	1.9	1.0	0.3	0.0	0.0	72.0	0.0
		0.0	0.3	1.0	2.0	3.2	4.5	5.6	6.5	6.9	6.9	6.4	5.6	4.5	3.2	2.0	1.0	0.3	0.0	0.0	83.1	0.0
		0.0	0.4	1.1	2.1	3.4	4.7	5.9	6.8	7.3	7.3	6.8	5.9	4.7	3.4	2.1	1.1	0.4	0.0	0.0	99.7	0.0
		0.0	0.4	1.1	2.1	3.4	4.8	6.0	6.9	7.4	7.4	6.9	6.0	4.8	3.4	2.1	1.1	0.4	0.0	0.0	115.0	0.0
		0.0	0.4	1.1	2.1	3.4	4.7	5.9	6.8	7.3	7.3	6.8	5.9	4.7	3.4	2.1	1.1	0.4	0.0	0.0	130.3	0.0
		0.0	0.4	1.1	2.1	3.4	4.7	5.9	6.8	7.3	7.3	6.8	5.9	4.7	3.4	2.1	1.1	0.4	0.0	0.0	145.6	0.0
		0.0	0.3	1.0	2.0	3.2	4.5	5.6	6.5	6.9	6.9	6.4	5.6	4.5	3.2	2.0	1.0	0.3	0.0	0.0	160.9	0.0
		0.0	0.3	1.0	1.9	3.0	4.1	5.2	6.0	6.4	6.4	6.0	5.2	4.1	3.0	1.9	1.0	0.3	0.0	0.0	176.2	0.0
		0.0	0.3	0.9	1.7	2.6	3.6	4.5	5.2	5.7	5.7	5.2	4.5	3.6	2.6	1.6	0.8	0.3	0.0	0.0	191.5	0.0
		0.0	0.3	1.0	1.9	3.0	4.1	5.1	5.9	6.4	6.4	5.9	5.1	4.1	3.0	1.9	0.9	0.3	0.0	0.0	206.8	0.0
		0.0	0.3	1.0	2.0	3.2	4.5	5.6	6.4	6.9	6.9	6.4	5.6	4.5	3.2	2.0	1.0	0.3	0.0	0.0	222.1	0.0
		0.0	0.3	1.0	2.0	3.2	4.5	5.6	6.4	6.9	6.9	6.4	5.6	4.5	3.2	2.0	1.0	0.3	0.0	0.0	237.4	0.0
		0.0	0.2	0.7	1.4	2.3	3.1	3.8	4.4	4.8	4.8	4.4	3.8	3.0	2.4	1.4	0.7	0.2	0.0	0.0	252.7	0.0
		0.0	0.2	0.5	0.9	1.4	1.9	2.3	2.7	2.9	2.9	2.6	2.2	1.7	1.2	0.7	0.4	0.1	0.0	0.0	268.0	0.0
		0.0	0.1	0.3	0.7	1.0	1.3	1.6	1.8	2.0	2.0	1.8	1.5	1.2	0.9	0.6	0.3	0.1	0.0	0.0	283.3	0.0
		0.0	0.1	0.3	0.7	1.0	1.3	1.6	1.8	2.0	2.0	1.8	1.5	1.2	0.9	0.6	0.3	0.1	0.0	0.0	298.6	0.0
		0.0	0.1	0.3	0.7	1.0	1.3	1.6	1.8	2.0	2.0	1.8	1.5	1.2	0.9	0.6	0.3	0.1	0.0	0.0	313.9	0.0
		0.0	0.1	0.3	0.7	1.0	1.3	1.6	1.8	2.0	2.0	1.8	1.5	1.2	0.9	0.6	0.3	0.1	0.0	0.0	329.2	0.0
		0.0	0.1	0.3	0.7	1.0	1.3	1.6	1.8	2.0	2.0	1.8	1.5	1.2	0.9	0.6	0.3	0.1	0.0	0.0	344.5	0.0
		0.0	0.1	0.3	0.7	1.0	1.3	1.6	1.8	2.0	2.0	1.8	1.5	1.2	0.9	0.6	0.3	0.1	0.0	0.0	359.8	0.0
		0.0	0.1	0.3	0.7	1.0	1.3	1.6	1.8	2.0	2.0	1.8	1.5	1.2	0.9	0.6	0.3	0.1	0.0	0.0	375.1	0.0
		0.0	0.1	0.3	0.7	1.0	1.3	1.6	1.8	2.0	2.0	1.8	1.5	1.2	0.9	0.6	0.3	0.1	0.0	0.0	390.4	0.0
		0.0	0.1	0.3	0.7	1.0	1.3	1.6	1.8	2.0	2.0	1.8	1.5	1.2	0.9	0.6	0.3	0.1	0.0	0.0	405.7	0.0
		0.0	0.1	0.3	0.7	1.0	1.3	1.6	1.8	2.0	2.0	1.8	1.5	1.2	0.9	0.6	0.3	0.1	0.0	0.0	421.0	0.0
		0.0	0.1	0.3	0.7	1.0	1.3	1.6	1.8	2.0	2.0	1.8	1.5	1.2	0.9	0.6	0.3	0.1	0.0	0.0	436.3	0.0
		0.0	0.1	0.3	0.7	1.0	1.3	1.6	1.8	2.0	2.0	1.8	1.5	1.2	0.9	0.6	0.3	0.1	0.0	0.0	451.6	0.0
		0.0	0.1	0.3	0.7	1.0	1.3	1.6	1.8	2.0	2.0	1.8	1.5	1.2	0.9	0.6	0.3	0.1	0.0	0.0	466.9	0.0
		0.0	0.1	0.3	0.7	1.0	1.3	1.6	1.8	2.0	2.0	1.8	1.5	1.2	0.9	0.6	0.3	0.1	0.0	0.0	482.2	0.0
		0.0	0.1	0.3	0.7	1.0	1.3	1.6	1.8	2.0	2.0	1.8	1.5	1.2	0.9	0.6	0.3	0.1	0.0	0.0	497.5	0.0
		0.0	0.1	0.3	0.7	1.0	1.3	1.6	1.8	2.0	2.0	1.8	1.5	1.2	0.9	0.6	0.3	0.1	0.0	0.0	512.8	0.0
		0.0	0.1	0.3	0.7	1.0	1.3	1.6	1.8	2.0	2.0	1.8	1.5	1.2	0.9	0.6	0.3	0.1	0.0	0.0	528.1	0.0
		0.0	0.1	0.3	0.7	1.0	1.3	1.6	1.8	2.0	2.0	1.8	1.5	1.2	0.9	0.6	0.3	0.1	0.0	0.0	543.4	0.0
		0.0	0.1	0.3	0.7	1.0	1.3	1.6	1.8	2.0	2.0	1.8	1.5	1.2	0.9	0.6	0.3	0.1	0.0	0.0	558.7	0.0
		0.0	0.1	0.3	0.7	1.0	1.3	1.6	1.8	2.0	2.0	1.8	1.5	1.2	0.9	0.6	0.3	0.1	0.0	0.0	574.0	0.0
		0.0	0.1	0.3	0.7	1.0	1.3	1.6	1.8	2.0	2.0	1.8	1.5	1.2	0.9	0.6	0.3	0.1	0.0	0.0	589.3	0.0
		0.0	0.1	0.3	0.7	1.0	1.3	1.6	1.8	2.0	2.0	1.8	1.5	1.2	0.9	0.6	0.3	0.1	0.0	0.0	604.6	0.0
		0.0	0.1	0.3	0.7	1.0	1.3	1.6	1.8	2.0	2.0	1.8	1.5	1.2	0.9	0.6	0.3	0.1	0.0	0.0	619.9	0.0
		0.0	0.1	0.3	0.7	1.0	1.3	1.6	1.8	2.0	2.0	1.8	1.5	1.2	0.9	0.6	0.3	0.1	0.0	0.0	635.2	0.0
		0.0	0.1	0.3	0.7	1.0	1.3	1.6	1.8	2.0	2.0	1.8	1.5	1.2	0.9	0.6	0.3	0.1	0.0	0.0	650.5	0.0
		0.0	0.1	0.3	0.7	1.0	1.3	1.6	1.8	2.0	2.0	1.8	1.5	1.2	0.9	0.6	0.3	0.1	0.0	0.0	665.8	0.0
		0.0	0.1	0.3	0.7	1.0	1.3	1.6	1.8	2.0	2.0	1.8	1.5	1.2	0.9	0.6	0.3	0.1	0.0	0.0	681.1	0.0
		0.0	0.1	0.3	0.7	1.0	1.3	1.6	1.8	2.0	2.0	1.8	1.5	1.2	0.9	0.6	0.3	0.1	0.0	0.0	696.4	0.0
		0.0	0.1	0.3	0.7	1.0	1.3	1.6	1.8	2.0	2.0	1.8	1.5	1.2	0.9	0.6	0.3	0.1	0.0	0.0	711.7	0.0
		0.0	0.1	0.3	0.7	1.0	1.3	1.6	1.8	2.0	2.0	1.8	1.5	1.2	0.9	0.6	0.3	0.1	0.0	0.0	727.0	0.0
		0.0	0.1	0.3	0.7	1.0	1.3	1.6	1.8	2.0	2.0	1.8	1.5	1.2	0.9	0.6	0.3	0.1	0.0	0.0	742.3	0.0
		0.0	0.1	0.3	0.7	1.0	1.3	1.6	1.8	2.0	2.0	1.8	1.5	1.2	0.9	0.6	0.3	0.1	0.0	0.0	757.6	0.0
		0.0	0.1	0.3	0.7	1.0	1.3	1.6	1.8	2.0	2.0	1.8	1.5	1.2	0.9	0.6	0.3	0.1	0.0	0.0	772.9	0.0

Horizontal plane

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:

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:

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	248.3	245.9	244.2	243.1	248.3	245.9	244.2	243.1	248.3	
G1.0	248.2	246.1	244.5	243.4	248.1	245.5	243.7	242.6	248.2	
G2.0	248.0	246.3	244.8	243.8	248.2	245.1	243.4	242.2	248.0	
G3.0	247.7	246.3	245.2	244.0	247.8	244.8	242.9	241.7	247.7	
G4.0	247.6	246.4	245.3	243.9	247.3	244.3	242.3	241.3	247.6	
G5.0	247.0	246.3	245.4	243.9	246.9	243.7	241.3	240.4	247.0	
G6.0	246.6	246.1	245.4	243.8	246.4	242.8	240.5	239.5	246.6	
G7.0	245.8	245.8	245.1	243.4	245.7	241.9	239.7	238.6	245.8	
G8.0	245.0	245.4	245.0	243.0	244.9	241.0	238.9	237.7	245.0	
G9.0	244.2	244.7	244.6	242.6	243.9	240.1	237.9	236.8	244.2	
G10.0	243.2	244.2	244.4	242.3	243.0	239.1	236.9	235.6	243.2	
G11.0	242.2	243.5	244.0	241.8	241.9	237.9	235.8	234.4	242.2	
G12.0	241.1	242.7	243.6	241.1	240.8	236.6	234.2	232.9	241.1	
G13.0	239.8	242.0	243.1	240.3	239.5	235.0	233.0	231.5	239.8	
G14.0	238.3	241.1	242.5	239.4	238.1	233.6	231.7	230.0	238.3	
G15.0	236.9	240.0	241.9	238.4	236.5	232.1	230.3	228.5	236.9	
G16.0	235.3	238.9	241.1	237.5	235.0	230.6	229.0	227.1	235.3	
G17.0	233.7	237.8	240.3	236.5	233.4	228.9	227.4	225.4	233.7	
G18.0	232.1	236.5	239.4	235.4	231.6	227.3	225.9	223.6	232.1	
G19.0	230.4	235.3	238.4	234.2	229.8	225.6	224.0	221.5	230.4	
G20.0	228.6	233.9	237.3	232.6	227.8	223.4	222.2	219.5	228.6	
G21.0	226.2	232.3	236.3	231.2	225.9	221.4	220.6	217.6	226.2	
G22.0	224.3	230.7	235.1	229.7	223.9	219.4	218.8	215.6	224.3	
G23.0	222.1	229.0	233.9	228.2	221.5	217.4	216.9	213.6	222.1	
G24.0	219.9	227.3	232.4	226.6	219.3	215.3	214.9	211.4	219.9	
G25.0	217.6	225.6	231.0	224.8	217.0	212.8	212.7	209.2	217.6	
G26.0	215.3	223.6	229.5	223.1	214.7	210.5	210.5	206.6	215.3	
G27.0	212.9	221.7	228.0	221.2	212.0	208.2	208.5	204.3	212.9	
G28.0	210.4	219.6	226.4	219.3	209.6	205.8	206.3	201.9	210.4	
G29.0	207.5	217.6	224.6	217.2	206.9	203.4	204.3	199.5	207.5	
G30.0	205.1	215.5	223.0	215.1	204.3	200.9	202.0	197.0	205.1	
G31.0	202.4	213.1	221.2	212.9	201.6	198.0	199.7	194.5	202.4	
G32.0	199.8	210.9	219.4	210.7	198.8	195.4	197.0	191.6	199.8	
G33.0	197.0	208.6	217.4	208.4	195.8	192.7	194.6	188.9	197.0	
G34.0	194.1	206.1	215.5	206.0	192.9	190.0	192.2	186.2	194.1	
G35.0	190.8	203.7	213.3	203.6	190.0	187.2	189.7	183.5	190.8	
G36.0	187.9	201.0	211.3	201.2	186.9	184.4	187.3	180.7	187.9	

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 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	184.9	198.4	209.1	198.6	183.8	181.6	184.8	177.9	184.9	
G38.0	181.9	195.9	206.8	196.0	180.7	178.4	182.2	174.9	181.9	
G39.0	178.9	193.1	204.7	193.5	177.6	175.5	179.5	172.1	178.9	
G40.0	175.4	190.5	202.3	190.7	174.4	172.5	176.6	168.8	175.4	
G41.0	172.2	187.5	199.9	188.0	170.8	169.5	173.9	165.9	172.2	
G42.0	169.0	184.7	197.4	185.1	167.6	166.4	171.2	162.9	169.0	
G43.0	165.7	181.8	195.0	182.3	164.2	163.3	168.6	159.9	165.7	
G44.0	162.1	178.9	192.5	179.4	160.9	160.1	165.8	156.8	162.1	
G45.0	158.7	176.0	189.9	176.4	157.2	157.0	162.8	153.8	158.7	
G46.0	155.5	172.8	187.4	173.4	153.8	153.9	160.0	150.7	155.5	
G47.0	152.0	169.8	184.8	170.4	150.3	150.6	157.2	147.3	152.0	
G48.0	148.5	166.7	181.9	167.4	146.8	147.3	154.4	144.2	148.5	
G49.0	144.6	163.6	179.3	164.2	143.2	144.1	151.6	141.0	144.6	
G50.0	141.1	160.5	176.5	161.2	139.6	140.8	148.7	137.8	141.1	
G51.0	137.5	157.4	173.8	158.0	136.0	137.5	145.9	134.6	137.5	
G52.0	134.0	153.8	170.9	154.6	132.4	134.2	143.0	131.4	134.0	
G53.0	130.4	150.7	168.2	151.6	128.7	131.0	139.9	128.3	130.4	
G54.0	126.3	147.4	165.1	148.4	124.7	127.5	137.1	124.9	126.3	
G55.0	122.7	144.2	162.3	144.9	121.0	124.3	134.2	121.7	122.7	
G56.0	119.0	141.0	159.4	141.7	117.2	121.0	131.3	118.4	119.0	
G57.0	115.3	137.3	156.5	138.5	113.5	117.8	128.5	115.3	115.3	
G58.0	111.3	133.9	153.6	135.1	109.6	114.5	125.4	112.1	111.3	
G59.0	107.5	130.6	150.3	131.9	105.8	111.3	122.5	108.8	107.5	
G60.0	103.6	127.1	147.3	128.6	101.6	107.8	119.8	105.7	103.6	
G61.0	99.8	123.3	144.3	125.2	97.8	104.6	117.0	102.5	99.8	
G62.0	95.6	119.8	141.3	121.8	93.8	101.3	114.1	99.2	95.6	
G63.0	91.7	116.3	137.9	118.6	89.9	98.2	111.3	96.1	91.7	
G64.0	87.6	112.7	134.8	115.2	86.0	95.1	108.4	93.1	87.6	
G65.0	83.6	108.6	131.7	111.9	82.1	91.9	105.7	89.9	83.6	
G66.0	78.8	105.0	128.3	108.6	77.7	88.6	103.0	86.9	78.8	
G67.0	74.3	101.5	125.2	105.5	73.8	85.6	100.3	84.0	74.3	
G68.0	69.6	97.6	122.0	102.0	69.8	82.6	97.4	80.9	69.6	
G69.0	65.3	94.1	118.4	98.8	65.9	79.7	94.8	78.0	65.3	
G70.0	61.4	90.6	115.1	95.7	62.0	76.7	92.2	75.1	61.4	
G71.0	57.8	87.2	111.9	92.4	57.5	73.5	89.6	72.2	57.8	
G72.0	54.1	83.3	108.6	89.2	53.7	70.6	87.0	69.5	54.1	
G73.0	50.0	79.8	104.9	86.1	49.7	67.9	84.6	66.8	50.0	

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 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	46.2	76.1	101.7	82.8	45.8	65.1	82.0	64.1	46.2	
G75.0	42.2	72.0	98.5	79.9	41.9	62.5	79.5	61.3	42.2	
G76.0	38.3	68.3	94.9	76.9	38.2	60.0	77.1	58.7	38.3	
G77.0	34.7	64.8	91.7	74.0	34.4	57.4	74.8	56.2	34.7	
G78.0	30.9	61.2	88.8	70.9	30.4	55.0	72.4	53.7	30.9	
G79.0	27.4	57.1	85.5	68.1	26.8	52.2	70.1	51.3	27.4	
G80.0	23.6	53.5	82.9	65.3	23.4	49.8	67.8	49.1	23.6	
G81.0	20.4	49.9	80.3	62.3	20.1	47.7	65.5	46.6	20.4	
G82.0	17.2	46.0	77.5	59.7	16.6	45.5	63.3	44.4	17.2	
G83.0	14.2	42.9	74.8	57.0	13.7	43.1	61.1	42.3	14.2	
G84.0	11.2	41.4	72.1	54.4	10.9	40.9	59.0	40.3	11.2	
G85.0	8.6	43.7	69.3	51.8	8.5	39.0	56.8	38.2	8.6	
G86.0	6.4	42.6	65.8	49.2	6.3	37.0	54.8	36.1	6.4	
G87.0	5.2	40.0	62.7	46.7	4.5	35.1	52.8	34.2	5.2	
G88.0	3.4	39.9	59.5	44.3	2.8	32.9	50.6	32.5	3.4	
G89.0	2.2	41.7	55.9	41.8	1.8	31.2	48.6	30.7	2.2	
G90.0	1.4	40.3	52.7	39.5	1.4	29.6	46.6	28.7	1.4	
G91.0	0.9	38.4	49.7	36.9	1.4	27.9	44.7	27.0	0.9	
G92.0	0.9	36.3	46.5	34.3	1.4	26.2	42.7	25.5	0.9	
G93.0	1.0	34.1	44.4	31.6	1.2	24.3	40.9	24.0	1.0	
G94.0	1.0	32.3	43.4	29.1	1.2	22.9	39.0	22.2	1.0	
G95.0	0.9	30.5	42.1	26.7	1.4	21.4	37.3	20.7	0.9	
G96.0	1.0	28.7	40.7	25.0	1.4	19.9	35.4	19.4	1.0	
G97.0	1.1	26.7	39.3	24.2	1.4	18.1	33.7	18.1	1.1	
G98.0	1.1	25.0	37.5	23.8	1.4	16.8	32.0	16.8	1.1	
G99.0	1.0	23.5	36.2	22.3	1.2	15.4	30.4	15.6	1.0	
G100.0	1.2	21.7	35.1	20.2	1.3	14.3	28.7	14.0	1.2	
G101.0	1.1	20.2	34.0	18.5	1.5	13.0	27.2	12.7	1.1	
G102.0	1.1	18.7	33.0	16.9	1.5	11.5	25.5	11.7	1.1	
G103.0	1.3	17.0	32.5	15.2	1.3	10.5	24.0	10.2	1.3	
G104.0	1.3	15.6	31.5	13.5	1.3	9.3	22.4	9.0	1.3	
G105.0	1.2	14.2	28.3	12.6	1.5	8.1	20.8	7.8	1.2	
G106.0	1.3	12.6	26.5	12.0	1.6	6.7	16.7	6.8	1.3	
G107.0	1.2	11.2	26.3	10.5	1.4	5.6	1.8	5.6	1.2	
G108.0	1.3	9.8	26.0	9.6	1.4	4.7	1.7	4.2	1.3	
G109.0	1.4	8.3	10.7	7.6	1.4	3.7	1.7	3.1	1.4	
G110.0	1.5	6.6	2.4	6.6	1.7	2.9	1.7	2.2	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	1.3	4.9	1.8	5.5	1.7	2.2	1.8	1.9	1.3	
G112.0	1.5	3.5	1.6	4.6	1.7	1.7	2.8	1.7	1.5	
G113.0	1.4	2.5	1.7	3.8	1.5	1.5	7.2	1.5	1.4	
G114.0	1.4	1.9	1.6	3.1	1.8	1.7	7.0	1.5	1.4	
G115.0	1.6	1.6	7.3	2.6	1.7	1.7	6.2	1.8	1.6	
G116.0	1.5	1.6	10.3	2.2	1.7	1.6	4.8	1.8	1.5	
G117.0	1.5	1.7	10.1	1.9	1.5	1.6	3.8	1.6	1.5	
G118.0	1.6	1.7	9.0	1.7	1.5	1.8	3.2	1.6	1.6	
G119.0	1.5	1.7	7.5	1.7	1.7	1.8	2.6	1.9	1.5	
G120.0	1.6	1.7	6.1	1.7	1.7	1.9	2.1	1.9	1.6	
G121.0	1.7	1.7	4.9	1.7	1.5	1.7	1.9	1.6	1.7	
G122.0	1.6	1.8	4.0	1.9	1.6	1.8	1.8	1.8	1.6	
G123.0	1.6	1.8	3.3	1.9	1.6	1.8	2.0	1.8	1.6	
G124.0	1.8	1.8	2.7	1.8	1.8	1.9	2.0	2.0	1.8	
G125.0	1.7	1.9	2.3	2.0	1.9	1.9	2.0	2.0	1.7	
G126.0	1.9	1.8	2.1	1.9	1.8	1.9	1.9	1.9	1.9	
G127.0	1.7	1.9	2.0	1.9	1.8	1.9	2.1	1.9	1.7	
G128.0	1.8	1.9	2.0	2.1	2.1	2.0	2.1	2.1	1.8	
G129.0	2.0	1.9	2.0	2.0	2.1	1.9	2.0	2.1	2.0	
G130.0	2.0	2.0	2.1	2.0	1.9	2.0	2.0	2.0	2.0	
G131.0	1.9	2.1	2.1	2.1	1.9	2.0	2.2	2.0	1.9	
G132.0	2.1	2.0	2.2	2.2	2.2	2.0	2.2	2.2	2.1	
G133.0	2.1	2.1	2.2	2.0	2.2	2.1	2.0	2.2	2.1	
G134.0	1.9	2.0	2.1	2.2	2.2	2.1	2.0	2.2	1.9	
G135.0	1.9	2.0	2.2	2.3	2.0	2.1	2.1	2.1	1.9	
G136.0	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.2	
G137.0	2.0	2.0	2.2	2.3	2.3	2.1	2.3	2.3	2.0	
G138.0	2.3	2.3	2.3	2.2	2.3	2.2	2.1	2.3	2.3	
G139.0	2.1	2.1	2.3	2.4	2.2	2.2	2.1	2.2	2.1	
G140.0	2.1	2.2	2.3	2.2	2.4	2.2	2.4	2.4	2.1	
G141.0	2.3	2.3	2.4	2.3	2.4	2.2	2.4	2.4	2.3	
G142.0	2.2	2.3	2.3	2.5	2.2	2.2	2.2	2.3	2.2	
G143.0	2.2	2.2	2.3	2.5	2.3	2.3	2.2	2.3	2.2	
G144.0	2.4	2.5	2.5	2.3	2.4	2.4	2.5	2.4	2.4	
G145.0	2.2	2.5	2.3	2.6	2.5	2.3	2.3	2.5	2.2	
G146.0	2.3	2.3	2.4	2.4	2.3	2.3	2.3	2.5	2.3	
G147.0	2.5	2.5	2.5	2.4	2.3	2.4	2.3	2.3	2.5	

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 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	2.5	2.5	2.4	2.6	2.5	2.5	2.5	2.3	2.5	
G149.0	2.3	2.3	2.5	2.7	2.5	2.4	2.5	2.5	2.3	
G150.0	2.6	2.3	2.6	2.5	2.3	2.5	2.5	2.3	2.6	
G151.0	2.6	2.6	2.6	2.7	2.5	2.4	2.3	2.5	2.6	
G152.0	2.4	2.4	2.5	2.5	2.4	2.4	2.4	2.6	2.4	
G153.0	2.6	2.6	2.7	2.7	2.4	2.5	2.6	2.5	2.6	
G154.0	2.4	2.7	2.5	2.8	2.5	2.5	2.6	2.4	2.4	
G155.0	2.5	2.5	2.6	2.6	2.6	2.5	2.5	2.5	2.5	
G156.0	2.7	2.5	2.8	2.7	2.5	2.4	2.4	2.6	2.7	
G157.0	2.7	2.7	2.8	2.9	2.4	2.3	2.4	2.6	2.7	
G158.0	2.7	2.5	2.6	2.7	2.5	2.5	2.6	2.5	2.7	
G159.0	2.8	2.5	2.8	2.9	2.5	2.5	2.6	2.6	2.8	
G160.0	2.6	2.8	2.6	2.7	2.4	2.4	2.4	2.6	2.6	
G161.0	2.8	2.5	2.6	2.7	2.4	2.6	2.6	2.5	2.8	
G162.0	2.6	2.8	2.7	2.7	2.5	2.5	2.6	2.7	2.6	
G163.0	2.8	2.6	2.7	2.8	2.6	2.5	2.6	2.7	2.8	
G164.0	2.8	2.6	2.9	2.9	2.4	2.6	2.5	2.7	2.8	
G165.0	2.8	2.6	2.9	2.9	2.6	2.7	2.6	2.6	2.8	
G166.0	2.8	2.7	3.0	2.9	2.6	2.7	2.6	2.7	2.8	
G167.0	2.7	2.9	2.8	2.8	2.5	2.5	2.5	2.7	2.7	
G168.0	2.7	2.9	2.8	2.8	2.6	2.5	2.6	2.7	2.7	
G169.0	2.8	2.7	3.0	2.8	2.5	2.5	2.6	2.7	2.8	
G170.0	2.8	2.9	3.0	2.8	2.5	2.6	2.6	2.7	2.8	
G171.0	2.8	2.9	2.8	2.8	2.7	2.6	2.7	2.7	2.8	
G172.0	2.8	3.0	2.8	2.8	2.7	2.8	2.7	2.8	2.8	
G173.0	2.9	3.0	2.8	2.8	2.6	2.8	2.7	2.7	2.9	
G174.0	2.8	2.8	3.0	2.8	2.6	2.8	2.7	2.7	2.8	
G175.0	2.8	2.8	2.8	2.8	2.6	2.9	2.7	2.7	2.8	
G176.0	2.8	3.0	3.0	2.8	2.7	2.7	2.8	2.7	2.8	
G177.0	2.8	3.0	3.0	2.8	2.6	3.0	2.8	2.8	2.8	
G178.0	2.8	3.0	3.0	2.8	2.7	2.8	2.9	2.8	2.8	
G179.0	2.7	3.0	2.9	3.0	2.8	3.1	2.8	2.8	2.7	
G180.0	2.7	2.8	2.9	2.9	2.8	3.0	3.0	2.8	2.7	

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: