Report No.: 12

Test Time: 2017/11/8 20:58

Luminaire Property

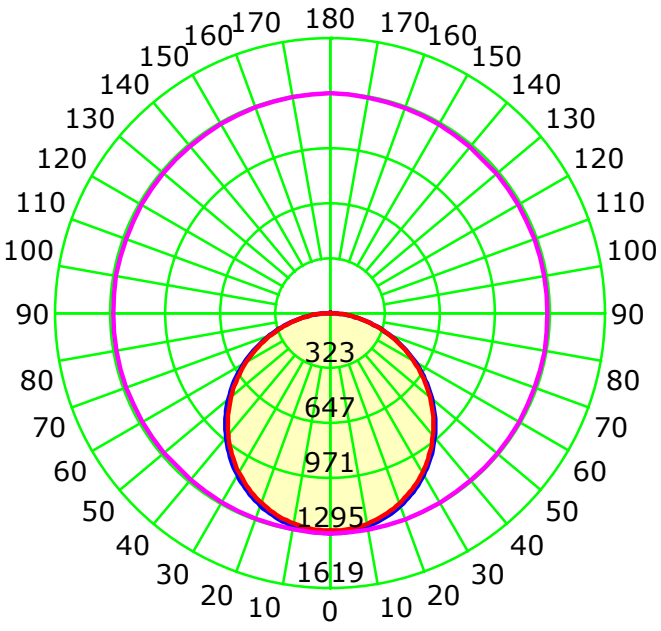
Luminaire Manufacturer:
Luminous Length (mm): 595
Luminous Width (mm): 595
Voltage: 220V
Current: 0.405 A
Power: 45.85 W
Power Factor: 0.515

Photometric Results

CIE Class: Direct
Total Rated Lamp Lumens: 3779.2 lm
Measurement Flux: 3779.2 lm
Efficiency: 100%
Downward Ratio: 99%
Upward Ratio: 1%
Horizontal Diffuse Angle(50%): H113.9
Vertical Diffuse Angle(50%): V113.1
Luminaire Efficacy Rating (LER): 82.48
Central Intensity: 1295.98 cd
Max. Intensity: 1295.98 cd
Pos of Max. Intensity: H0 V0
S/MH(C0/C180): 1.26
S/MH(C90/C270): 1.26

Picture Of Luminaire

Luminous Intensity Distribution Curve



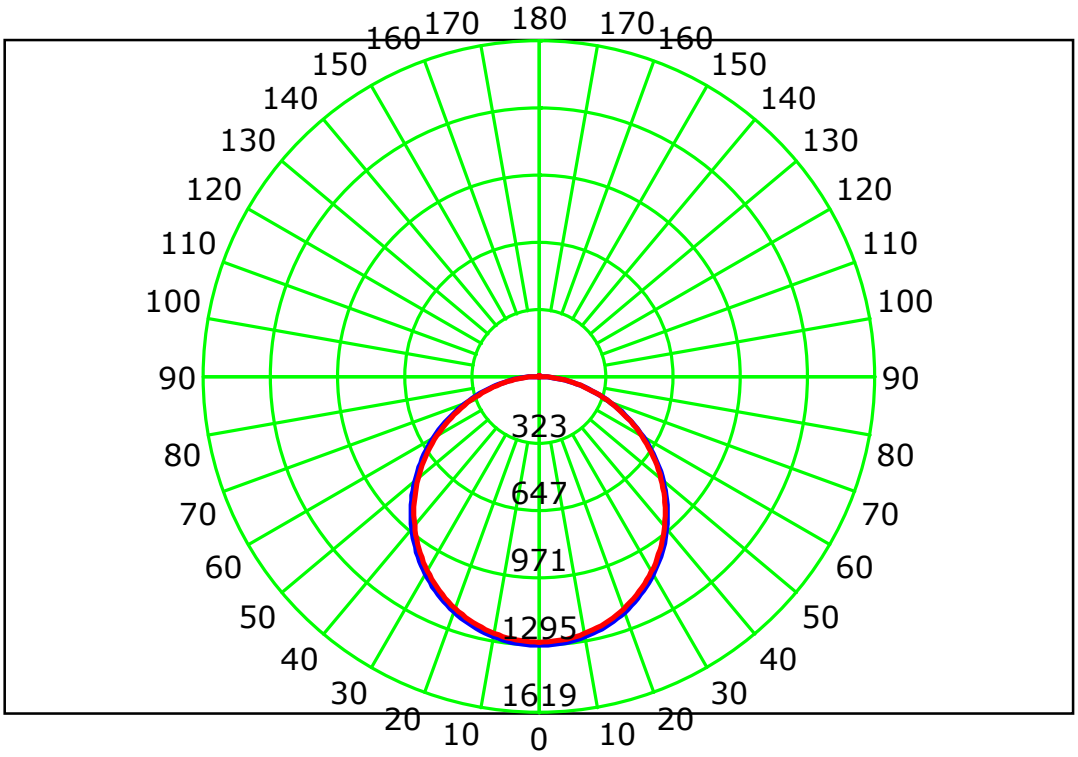
Unit: cd

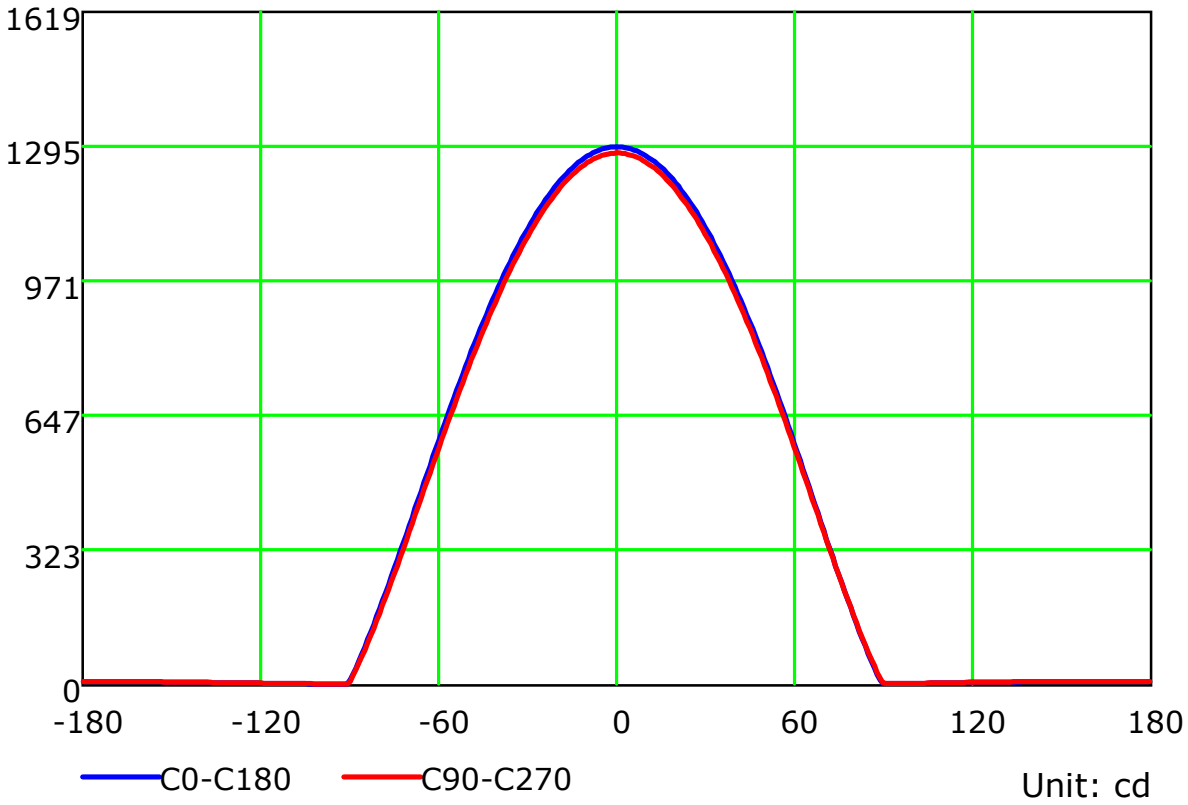
Average Diffuse Angle(50%): 113.5°

C0-C180 C90-C270 G0

C Plane (°):0.0-360.0: 45.0
Gamma Plane (°):0.0-180.0:1.0
Test Lab: Inventfine instrument
Test Device: GPM-1800B
Test Type: TYPE C
Distance: 7.994 m
Temperature: 28
Humidity: 58
Operator: Jacky tang
Inspector:

Luminous Intensity Distribution Curve

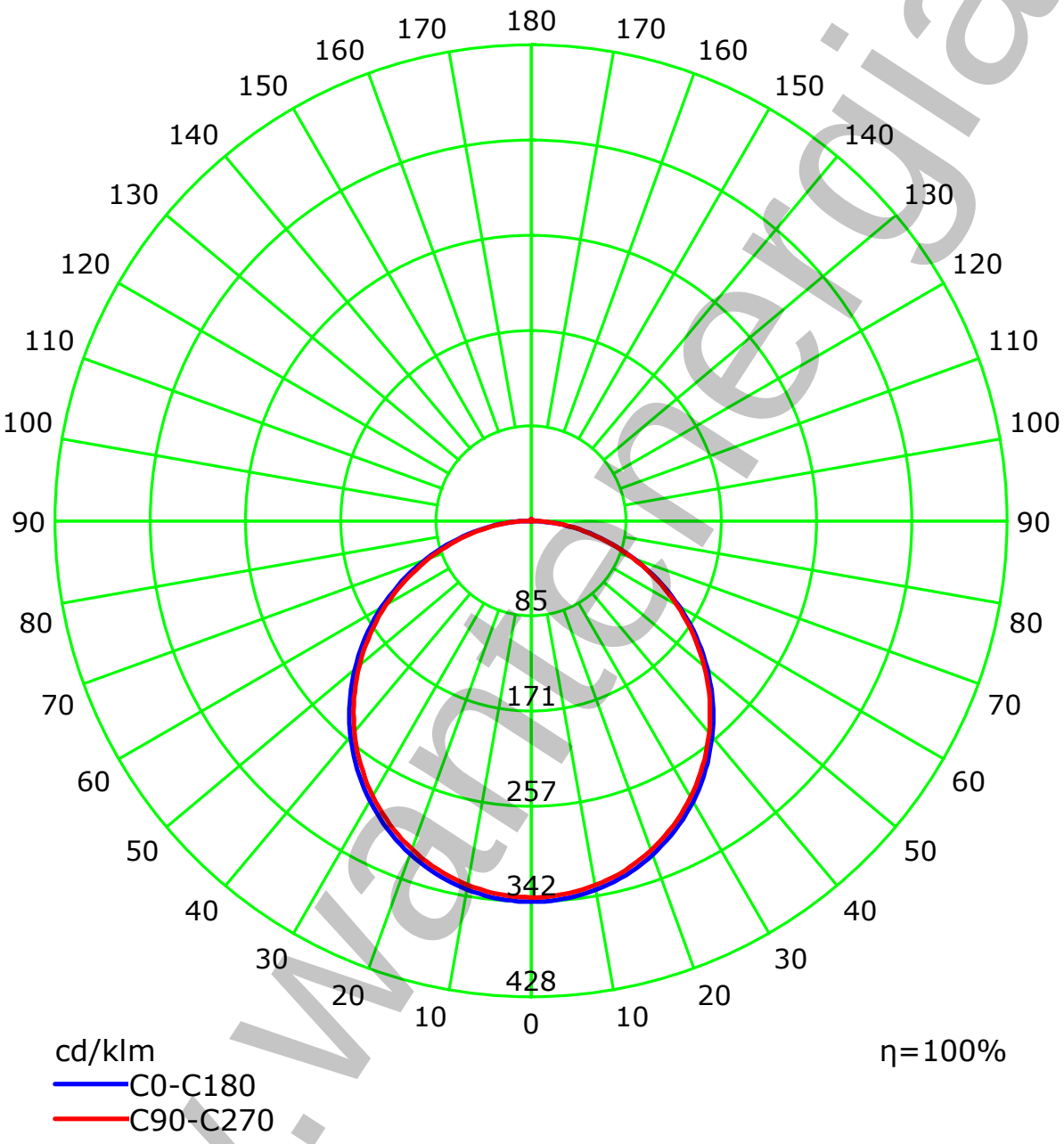




C Plane (°):0.0-360.0: 45.0
Test Lab: Inventfine instrument
Test Type: TYPE C
Temperature: 28
Operator: Jacky tang

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 7.994 m
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

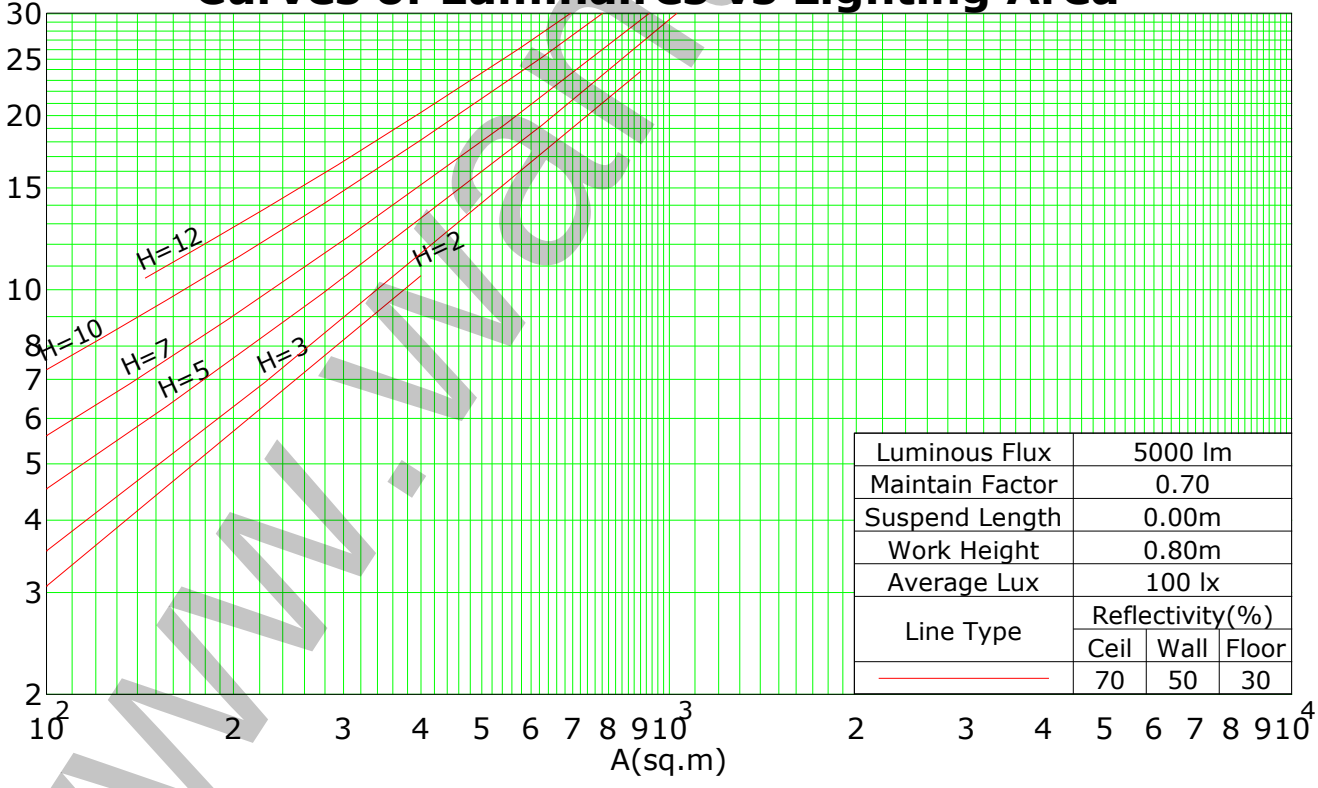
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 7.994 m
Humidity: 58
Inspector:

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99
1	108	103	99	95	105	101	97	93	97	93	90	92	90	87	89	87	85	82
2	98	90	83	77	95	88	81	76	84	79	74	81	76	72	78	74	70	68
3	89	79	70	64	87	77	69	63	74	67	62	71	65	61	68	64	59	57
4	82	70	61	54	79	68	60	53	66	58	53	63	57	52	61	55	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	43	39	37
7	64	51	42	35	62	50	41	35	48	41	35	47	40	35	45	39	34	32
8	60	46	38	32	58	45	37	31	44	37	31	43	36	31	41	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23

Spacing Criteria (0-180): 1.26
Spacing Criteria (90-270): 1.26
Spacing Criteria (Diagonal): 1.37

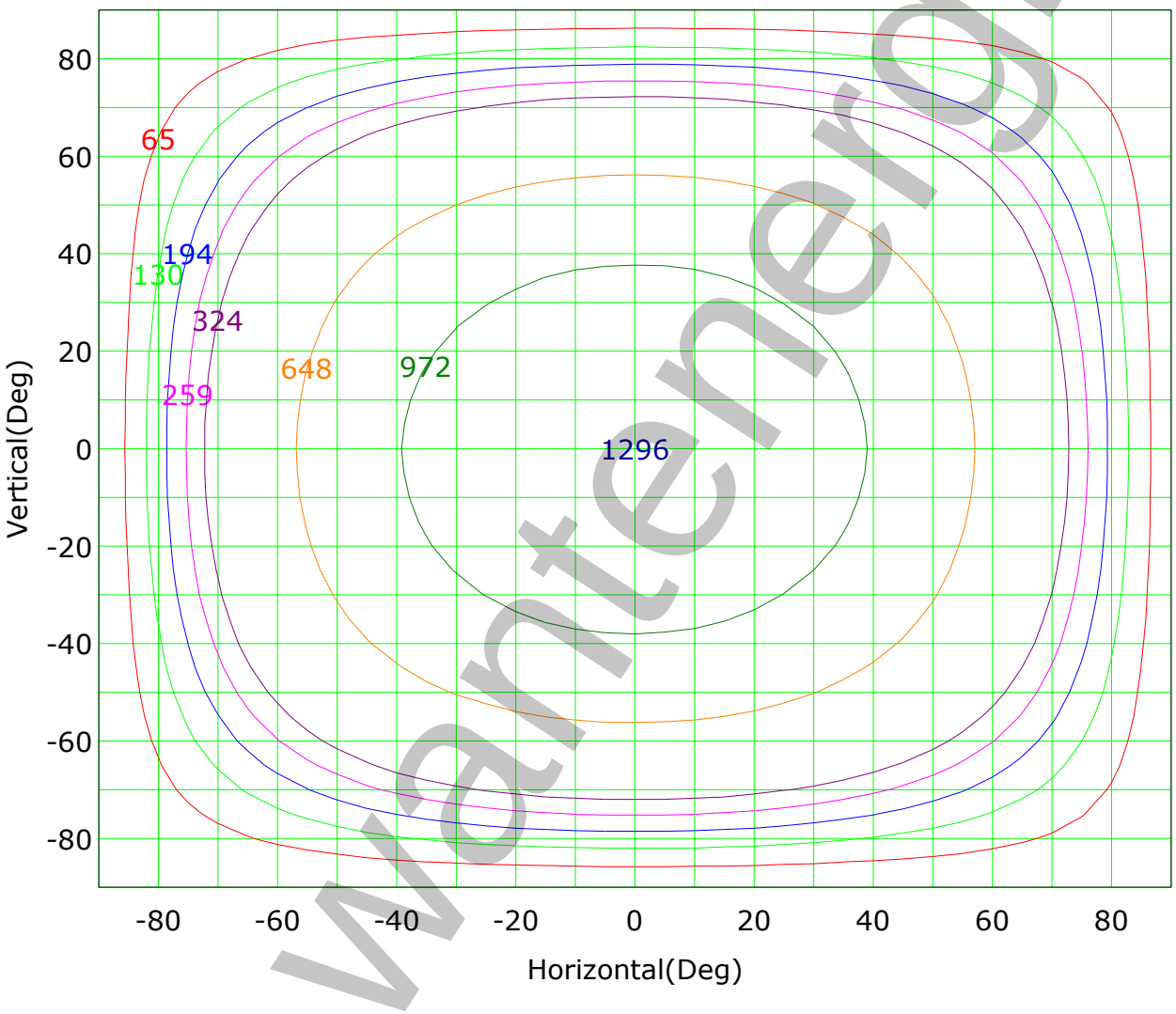
Curves of Luminaires vs Lighting Area



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: 7.994 m
Humidity: 58
Inspector:

Isocandela (rectangle)



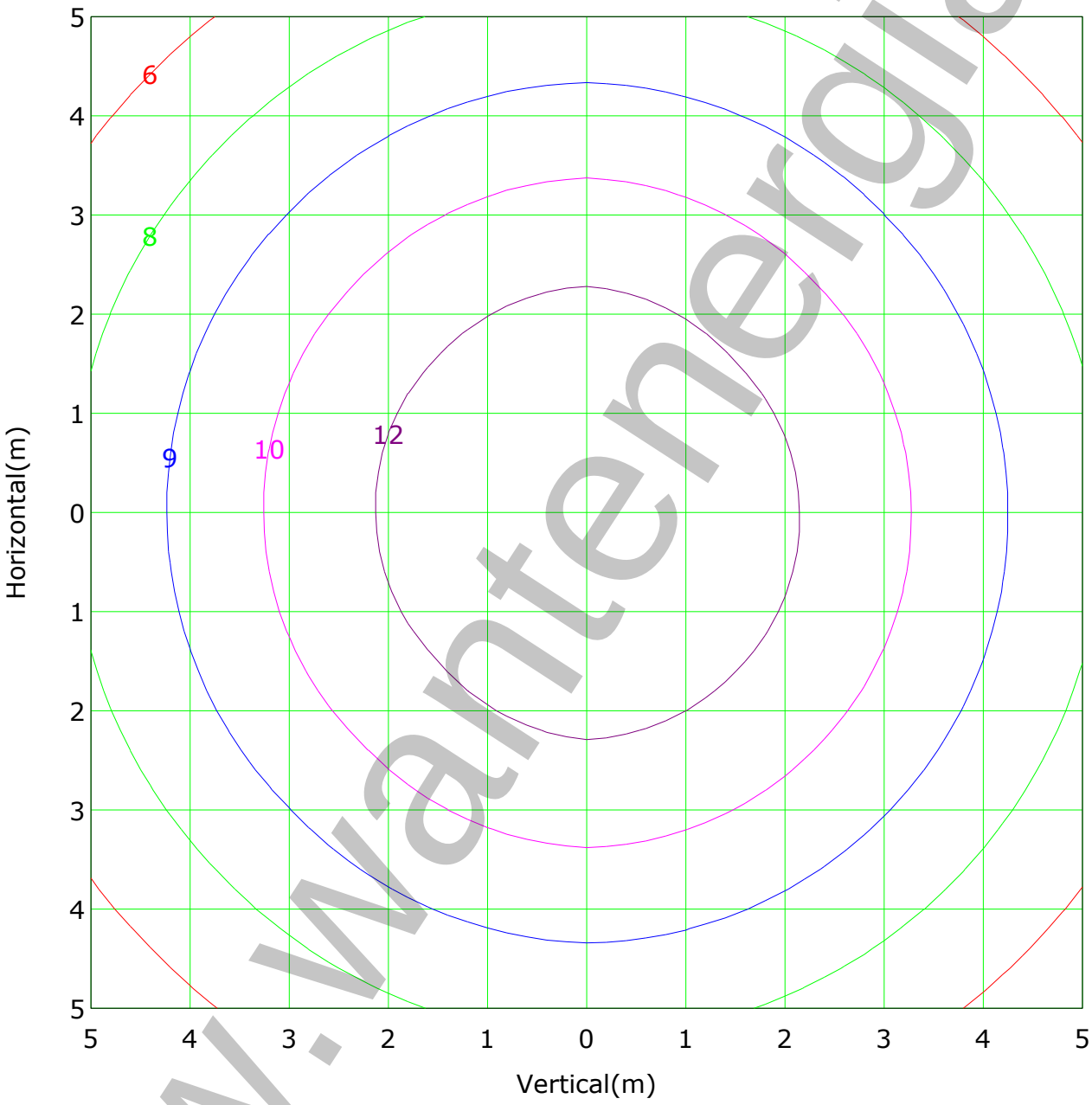
Imax (100%): 1296 cd

(5%):	65 cd	(10%):	130 cd
(15%):	194 cd	(20%):	259 cd
(25%):	324 cd	(50%):	648 cd
(75%):	972 cd	(100%):	1296 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: 7.994 m
Humidity: 58
Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 13.0 lx

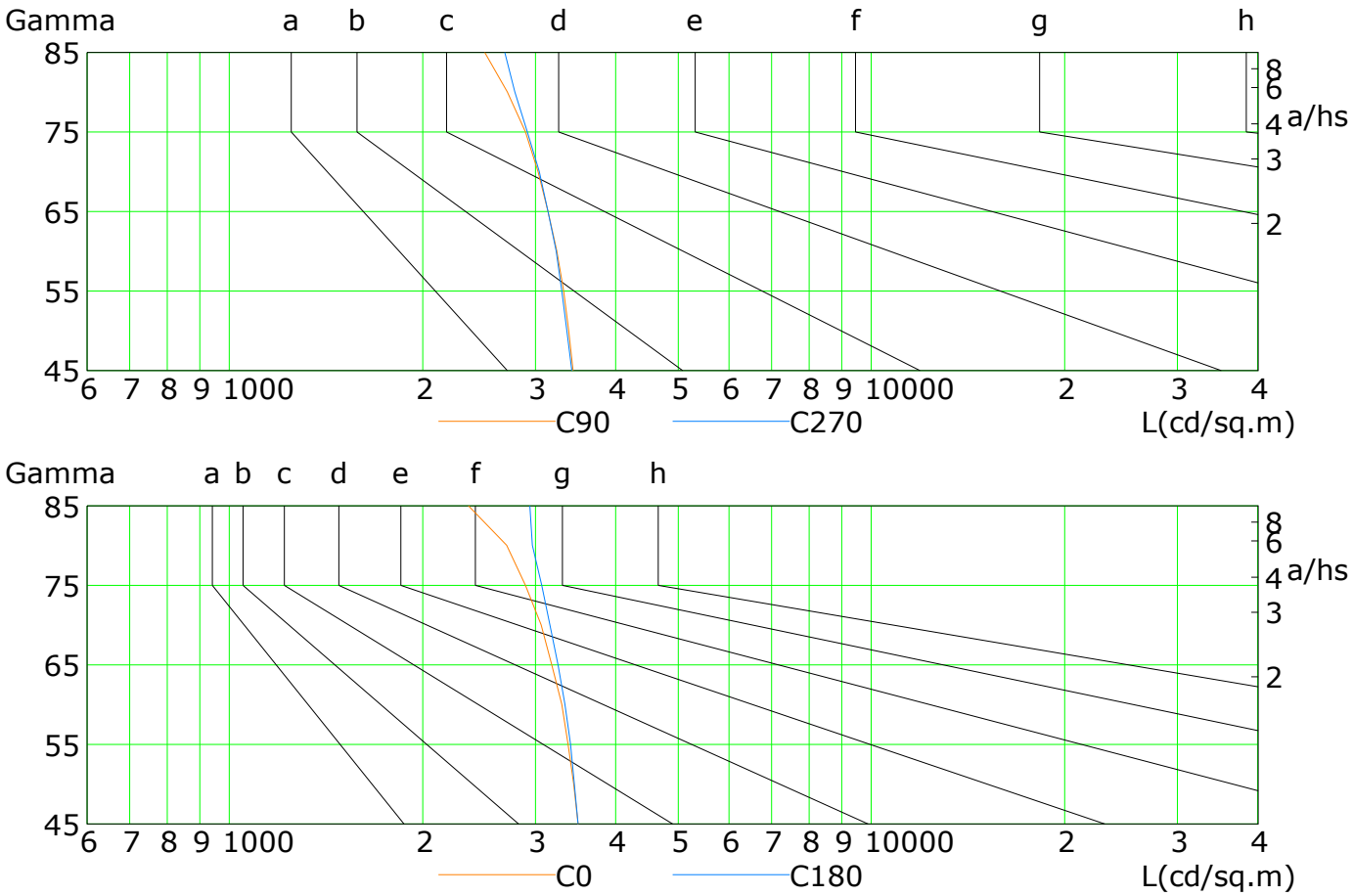
(50%): 6.5 lx	(60%): 7.8 lx
(70%): 9.1 lx	(80%): 10.4 lx
(90%): 11.7 lx	(100%): 13.0 lx

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: 7.994 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

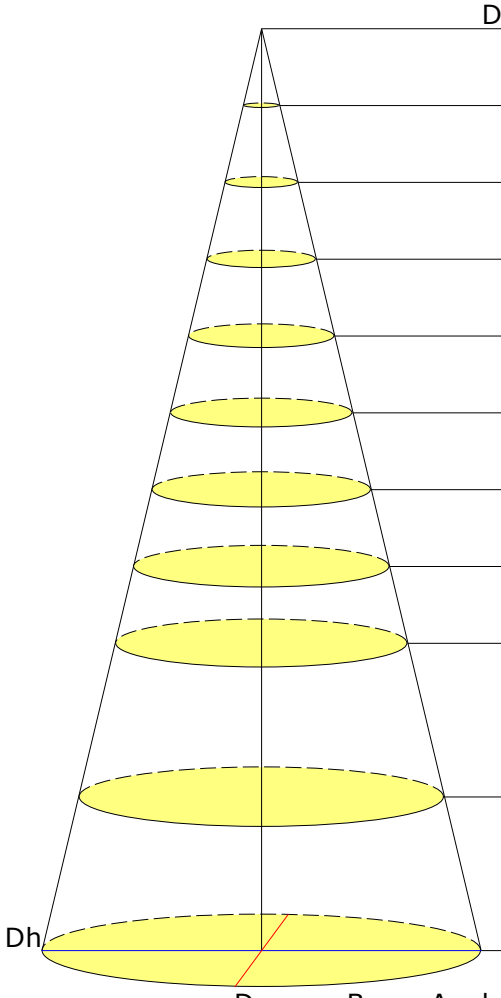


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	3494	3439	3374	3294	3183	3063	2891	2703	2360
C90	3433	3379	3316	3239	3135	3025	2890	2711	2501
C180	3493	3445	3398	3331	3249	3157	3068	2964	2938
C270	3413	3359	3295	3230	3139	3038	2914	2783	2688

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: 7.994 m
Humidity: 58
Inspector:

Illuminance at a Distance



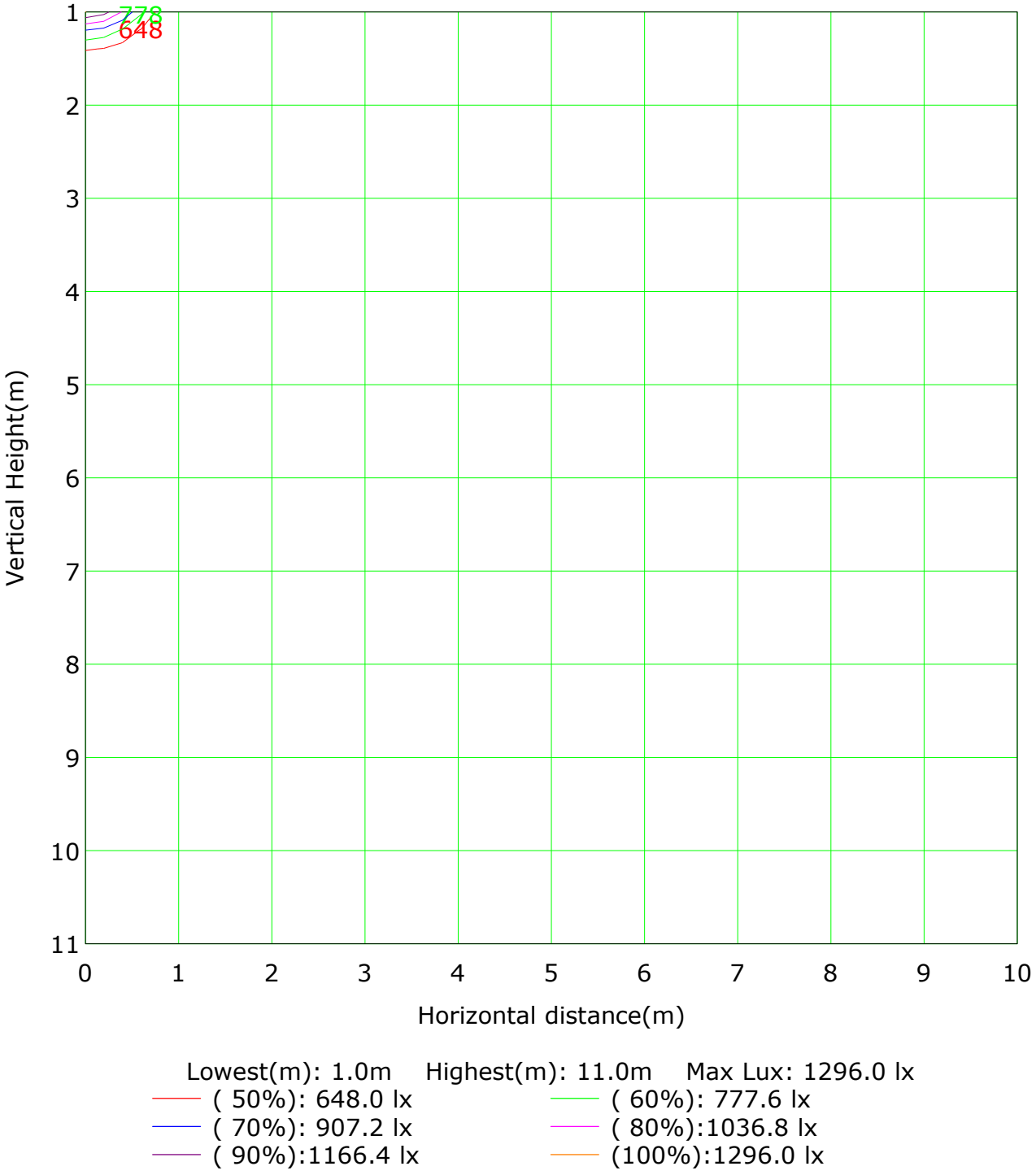
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	1295.98	3.07/3.03	7.3	209.68
2.0	323.99	6.14/6.06	29.3	52.42
3.0	144.00	9.21/9.09	65.9	23.30
4.0	81.00	12.29/12.12	117.1	13.10
5.0	51.84	15.36/15.14	183.0	8.39
6.0	36.00	18.43/18.17	263.6	5.82
7.0	26.45	21.50/21.20	358.7	4.28
8.0	20.25	24.57/24.23	468.6	3.28
10.0	12.96	30.72/30.29	732.1	2.10
12.0	9.00	36.86/36.35	1054.3	1.46

Beam Angle(B): H113.9 V113.1 Field Angle(F): H164.7 V164.6

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: 7.994 m
Humidity: 58
Inspector:

Vertical IsoLux Plot



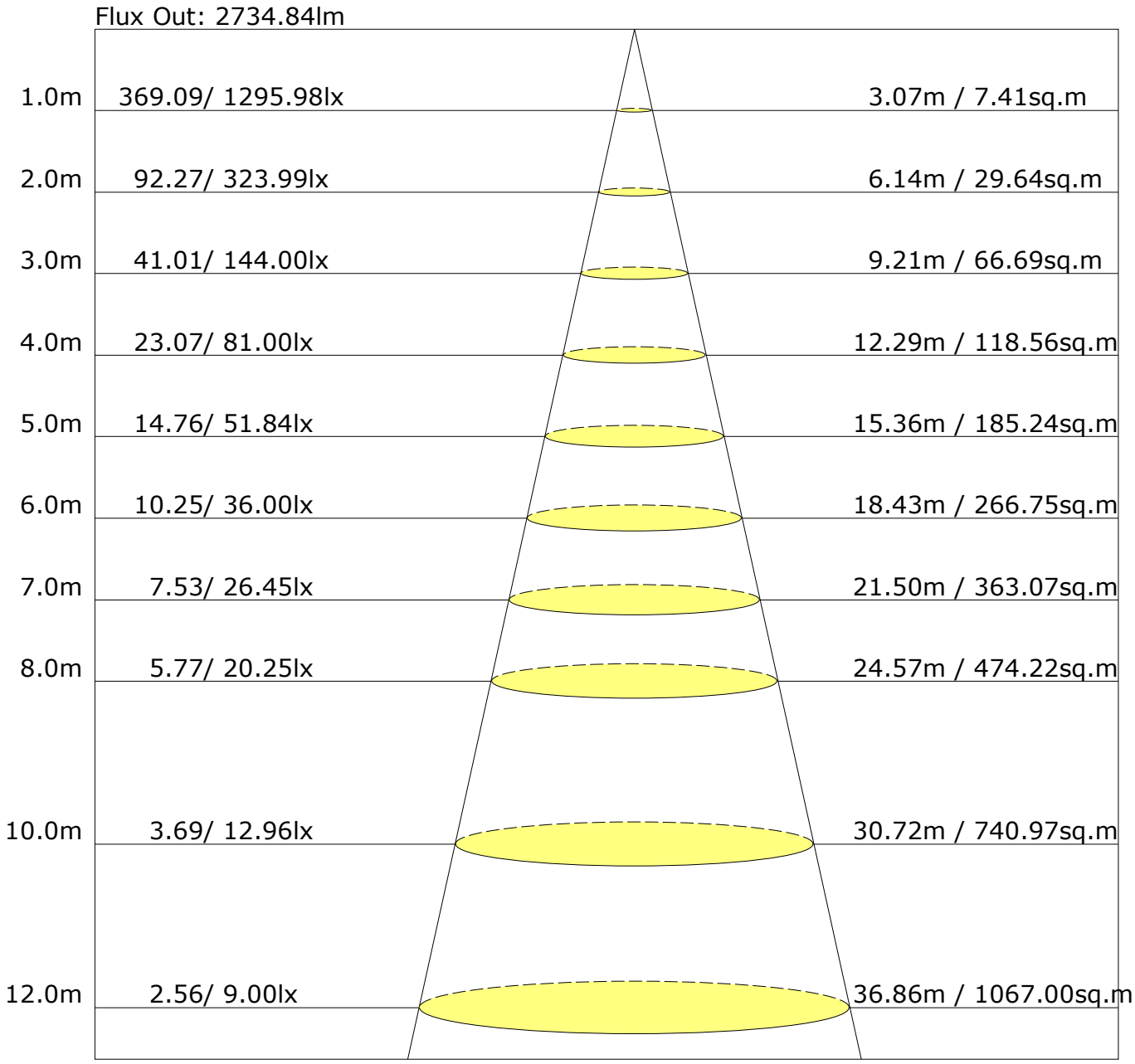
Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 1296.0 lx

(50%): 648.0 lx
(60%): 777.6 lx
(70%): 907.2 lx
(80%):1036.8 lx
(90%):1166.4 lx
(100%):1296.0 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: 7.994 m
Humidity: 58
Inspector:

The Average Illuminance Effective Figure



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: 7.994 m
Humidity: 58
Inspector:

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	16.8	18.2	17.1	18.4	18.7	16.7	18.1	17.0	18.4	18.6
3H	18.4	19.7	18.8	20.0	20.3	18.4	19.6	18.7	19.9	20.2
4H	19.1	20.3	19.4	20.6	20.9	19.0	20.2	19.4	20.5	20.9
6H	19.6	20.7	20.0	21.1	21.4	19.6	20.7	20.0	21.0	21.4
8H	19.8	20.9	20.2	21.2	21.6	19.8	20.9	20.2	21.2	21.5
12H	19.9	20.9	20.3	21.3	21.7	19.9	21.0	20.3	21.3	21.7
X=4H Y=2H	17.5	18.7	17.8	19.0	19.3	17.4	18.6	17.8	18.9	19.2
3H	19.3	20.3	19.7	20.7	21.0	19.2	20.3	19.6	20.6	21.0
4H	20.1	21.0	20.5	21.4	21.8	20.1	21.0	20.5	21.4	21.8
6H	20.8	21.6	21.2	22.0	22.4	20.7	21.6	21.2	22.0	22.4
8H	21.0	21.8	21.5	22.2	22.6	21.0	21.8	21.5	22.2	22.6
12H	21.2	21.9	21.6	22.3	22.8	21.2	21.9	21.7	22.3	22.8
X=8H Y=4H	20.4	21.2	20.9	21.6	22.1	20.4	21.2	20.9	21.6	22.0
6H	21.3	21.9	21.7	22.3	22.8	21.2	21.9	21.7	22.3	22.8
8H	21.6	22.1	22.1	22.6	23.1	21.6	22.1	22.1	22.6	23.1
12H	21.8	22.3	22.4	22.8	23.3	21.9	22.4	22.4	22.8	23.4
X=12H Y=4H	20.5	21.2	20.9	21.6	22.1	20.4	21.1	20.9	21.6	22.0
6H	21.3	21.9	21.8	22.4	22.9	21.3	21.9	21.8	22.3	22.8
8H	21.7	22.2	22.2	22.7	23.2	21.7	22.2	22.2	22.7	23.2
Variations with the observer position at spacings:										
S=1.0H	+0.2/-0.1					+0.2/-0.1				
S=1.5H	+0.4/-0.4					+0.4/-0.4				
S=2.0H	+0.5/-0.8					+0.5/-0.8				

Calculate in accordance with CIE Pub.117. The table is revised with 3779lm (8log(F/F0) = 4.6).

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: 7.994 m
Humidity: 58
Inspector:

Utilisation Factor Table(Floor cavity)

Utilisation Factors UF(F)			SHR NOM = 1.25								
Room Reflectance			Room Index(RI)								
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	0.56	0.66	0.73	0.79	0.86	0.91	0.95	1.00	1.03
	0.30		0.48	0.58	0.66	0.71	0.80	0.85	0.90	0.95	0.99
	0.20		0.42	0.52	0.60	0.66	0.74	0.81	0.85	0.91	0.96
0.50	0.50	0.20	0.54	0.64	0.71	0.76	0.83	0.88	0.91	0.95	0.98
	0.30		0.47	0.57	0.64	0.70	0.77	0.83	0.87	0.92	0.95
	0.20		0.41	0.52	0.59	0.65	0.73	0.79	0.83	0.89	0.92
0.30	0.50	0.20	0.52	0.62	0.68	0.73	0.80	0.84	0.87	0.92	0.94
	0.30		0.46	0.56	0.63	0.68	0.75	0.80	0.84	0.89	0.92
	0.20		0.41	0.51	0.58	0.64	0.71	0.77	0.81	0.86	0.89
0.00	0.00	0.00	0.39	0.48	0.55	0.60	0.68	0.73	0.76	0.81	0.85

Rating:47W Photometrically tested without ceiling board.
Multiply UF values by service correction factors
Calculate in accordance with CIBSE Technical Memorandum NO.5 1980

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: 7.994 m
Humidity: 58
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	0.72	0.63	0.50	0.42	0.36	0.28	0.23
	0.30		0.85	0.72	0.63	0.55	0.45	0.38	0.33	0.26	0.22
	0.20		0.73	0.63	0.55	0.50	0.41	0.35	0.31	0.25	0.21
0.50	0.50	0.20	0.98	0.81	0.69	0.60	0.48	0.43	0.34	0.27	0.22
	0.30		0.83	0.70	0.61	0.54	0.44	0.37	0.32	0.25	0.21
	0.20		0.72	0.62	0.54	0.49	0.40	0.34	0.30	0.24	0.20
0.30	0.50	0.20	0.95	0.78	0.66	0.58	0.46	0.38	0.33	0.25	0.21
	0.30		0.81	0.68	0.59	0.52	0.42	0.36	0.31	0.24	0.20
	0.20		0.71	0.61	0.54	0.48	0.39	0.33	0.29	0.23	0.19
0.00	0.00	0.00	0.61	0.51	0.44	0.39	0.32	0.27	0.23	0.18	0.15

Rating:47W Photometrically tested without ceiling board.
Multiply UF values by service correction factors
Calculate in accordance with CIBSE Technical Memorandum NO.5 1980

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: 7.994 m
Humidity: 58
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	0.17	0.18	0.19	0.20	0.21	0.21	0.22	0.22	0.23
	0.30		0.10	0.12	0.13	0.14	0.16	0.17	0.18	0.19	0.20
	0.20		0.05	0.07	0.08	0.10	0.12	0.13	0.14	0.16	0.17
0.50	0.50	0.20	0.17	0.18	0.19	0.19	0.20	0.20	0.21	0.21	0.22
	0.30		0.10	0.12	0.13	0.14	0.15	0.16	0.17	0.18	0.19
	0.20		0.05	0.07	0.08	0.09	0.11	0.13	0.14	0.16	0.17
0.30	0.50	0.20	0.16	0.17	0.18	0.18	0.19	0.20	0.20	0.20	0.21
	0.30		0.10	0.11	0.12	0.13	0.15	0.16	0.17	0.18	0.18
	0.20		0.05	0.07	0.08	0.09	0.11	0.13	0.14	0.15	0.16
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:47W Photometrically tested without ceiling board.
Multiply UF values by service correction factors
Calculate in accordance with CIBSE Technical Memorandum NO.5 1980

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: 7.994 m
Humidity: 58
Inspector:

Zonal Lumen

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	1284.9	1.2	1.2	0.03	0.03
1.0-2.0	1284.5	3.7	4.9	0.10	0.13
2.0-3.0	1283.6	6.1	11.1	0.16	0.29
3.0-4.0	1282.2	8.6	19.6	0.23	0.52
4.0-5.0	1280.4	11.0	30.7	0.29	0.81
5.0-6.0	1278.1	13.4	44.1	0.36	1.17
6.0-7.0	1275.4	15.8	59.9	0.42	1.59
7.0-8.0	1272.2	18.2	78.1	0.48	2.07
8.0-9.0	1268.6	20.6	98.7	0.54	2.61
9.0-10.0	1264.6	22.9	121.6	0.61	3.22
10.0-11.0	1260.2	25.2	146.8	0.67	3.88
11.0-12.0	1255.3	27.4	174.2	0.73	4.61
12.0-13.0	1249.9	29.7	203.9	0.79	5.39
13.0-14.0	1244.2	31.9	235.7	0.84	6.24
14.0-15.0	1238.0	34.0	269.7	0.90	7.14
15.0-16.0	1231.3	36.1	305.8	0.95	8.09
16.0-17.0	1224.2	38.1	343.9	1.01	9.10
17.0-18.0	1216.7	40.1	384.1	1.06	10.16
18.0-19.0	1208.9	42.1	426.1	1.11	11.28
19.0-20.0	1200.7	44.0	470.1	1.16	12.44
20.0-21.0	1191.8	45.8	515.8	1.21	13.65
21.0-22.0	1182.5	47.5	563.4	1.26	14.91
22.0-23.0	1173.0	49.2	612.6	1.30	16.21
23.0-24.0	1163.1	50.9	663.5	1.35	17.56
24.0-25.0	1152.9	52.4	715.9	1.39	18.94
25.0-26.0	1142.2	53.9	769.8	1.43	20.37
26.0-27.0	1131.1	55.3	825.2	1.46	21.83
27.0-28.0	1119.4	56.7	881.8	1.50	23.33
28.0-29.0	1107.4	57.9	939.8	1.53	24.87
29.0-30.0	1095.3	59.1	998.9	1.57	26.43
30.0-31.0	1082.9	60.3	1059.2	1.59	28.03
31.0-32.0	1070.2	61.3	1120.5	1.62	29.65
32.0-33.0	1056.8	62.3	1182.8	1.65	31.30
33.0-34.0	1042.9	63.1	1245.9	1.67	32.97
34.0-35.0	1029.0	63.9	1309.8	1.69	34.66
35.0-36.0	1014.7	64.6	1374.4	1.71	36.37

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: 7.994 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	1000.1	65.2	1439.7	1.73	38.09
37.0-38.0	985.0	65.8	1505.4	1.74	39.83
38.0-39.0	969.6	66.2	1571.6	1.75	41.59
39.0-40.0	954.1	66.6	1638.2	1.76	43.35
40.0-41.0	938.3	66.8	1705.0	1.77	45.12
41.0-42.0	922.2	67.0	1772.0	1.77	46.89
42.0-43.0	905.8	67.1	1839.1	1.78	48.66
43.0-44.0	888.8	67.1	1906.2	1.78	50.44
44.0-45.0	871.7	67.0	1973.2	1.77	52.21
45.0-46.0	854.5	66.8	2040.0	1.77	53.98
46.0-47.0	837.0	66.6	2106.6	1.76	55.74
47.0-48.0	819.1	66.2	2172.8	1.75	57.49
48.0-49.0	801.0	65.8	2238.6	1.74	59.24
49.0-50.0	782.6	65.3	2303.9	1.73	60.96
50.0-51.0	763.9	64.6	2368.5	1.71	62.67
51.0-52.0	745.1	63.9	2432.5	1.69	64.36
52.0-53.0	726.0	63.2	2495.6	1.67	66.04
53.0-54.0	706.6	62.3	2557.9	1.65	67.68
54.0-55.0	687.3	61.4	2619.3	1.62	69.31
55.0-56.0	668.0	60.4	2679.6	1.60	70.91
56.0-57.0	648.1	59.3	2738.9	1.57	72.47
57.0-58.0	627.8	58.1	2797.0	1.54	74.01
58.0-59.0	607.7	56.8	2853.8	1.50	75.51
59.0-60.0	587.7	55.5	2909.3	1.47	76.98
60.0-61.0	567.5	54.2	2963.5	1.43	78.42
61.0-62.0	546.9	52.7	3016.2	1.39	79.81
62.0-63.0	526.2	51.2	3067.4	1.35	81.17
63.0-64.0	505.4	49.6	3117.0	1.31	82.48
64.0-65.0	484.6	48.0	3164.9	1.27	83.75
65.0-66.0	464.0	46.3	3211.2	1.23	84.97
66.0-67.0	443.2	44.6	3255.8	1.18	86.15
67.0-68.0	422.7	42.8	3298.6	1.13	87.28
68.0-69.0	401.7	41.0	3339.6	1.08	88.37
69.0-70.0	380.8	39.1	3378.7	1.03	89.40
70.0-71.0	360.4	37.3	3416.0	0.99	90.39
71.0-72.0	339.9	35.3	3451.3	0.94	91.32

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: 7.994 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	319.3	33.4	3484.7	0.88	92.21
73.0-74.0	299.0	31.4	3516.2	0.83	93.04
74.0-75.0	278.9	29.5	3545.6	0.78	93.82
75.0-76.0	259.0	27.5	3573.1	0.73	94.55
76.0-77.0	239.2	25.5	3598.6	0.67	95.22
77.0-78.0	219.4	23.5	3622.1	0.62	95.84
78.0-79.0	199.9	21.5	3643.6	0.57	96.41
79.0-80.0	180.7	19.5	3663.1	0.52	96.93
80.0-81.0	161.8	17.5	3680.6	0.46	97.39
81.0-82.0	143.2	15.5	3696.1	0.41	97.80
82.0-83.0	125.0	13.6	3709.7	0.36	98.16
83.0-84.0	107.2	11.7	3721.4	0.31	98.47
84.0-85.0	89.4	9.8	3731.2	0.26	98.73
85.0-86.0	72.4	7.9	3739.1	0.21	98.94
86.0-87.0	55.9	6.1	3745.2	0.16	99.10
87.0-88.0	39.7	4.3	3749.5	0.11	99.22
88.0-89.0	24.4	2.7	3752.2	0.07	99.29
89.0-90.0	11.2	1.2	3753.4	0.03	99.32
90.0-91.0	3.4	0.4	3753.8	0.01	99.33
91.0-92.0	1.4	0.2	3754.0	0.00	99.33
92.0-93.0	1.4	0.1	3754.1	0.00	99.34
93.0-94.0	1.4	0.2	3754.3	0.00	99.34
94.0-95.0	1.5	0.2	3754.4	0.00	99.34
95.0-96.0	1.6	0.2	3754.6	0.00	99.35
96.0-97.0	1.6	0.2	3754.8	0.00	99.35
97.0-98.0	1.7	0.2	3755.0	0.00	99.36
98.0-99.0	1.8	0.2	3755.2	0.01	99.36
99.0-100.0	1.9	0.2	3755.4	0.01	99.37
100.0-101.0	2.0	0.2	3755.6	0.01	99.38
101.0-102.0	2.1	0.2	3755.8	0.01	99.38
102.0-103.0	2.2	0.2	3756.0	0.01	99.39
103.0-104.0	2.3	0.2	3756.3	0.01	99.39
104.0-105.0	2.4	0.3	3756.5	0.01	99.40
105.0-106.0	2.5	0.3	3756.8	0.01	99.41
106.0-107.0	2.6	0.3	3757.1	0.01	99.41
107.0-108.0	2.7	0.3	3757.3	0.01	99.42

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: 7.994 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	2.8	0.3	3757.6	0.01	99.43
109.0-110.0	2.9	0.3	3757.9	0.01	99.44
110.0-111.0	3.0	0.3	3758.2	0.01	99.45
111.0-112.0	3.1	0.3	3758.5	0.01	99.45
112.0-113.0	3.2	0.3	3758.9	0.01	99.46
113.0-114.0	3.3	0.3	3759.2	0.01	99.47
114.0-115.0	3.4	0.3	3759.5	0.01	99.48
115.0-116.0	3.5	0.3	3759.9	0.01	99.49
116.0-117.0	3.6	0.4	3760.3	0.01	99.50
117.0-118.0	3.7	0.4	3760.6	0.01	99.51
118.0-119.0	3.9	0.4	3761.0	0.01	99.52
119.0-120.0	4.0	0.4	3761.4	0.01	99.53
120.0-121.0	4.1	0.4	3761.7	0.01	99.54
121.0-122.0	4.1	0.4	3762.1	0.01	99.55
122.0-123.0	4.3	0.4	3762.5	0.01	99.56
123.0-124.0	4.4	0.4	3762.9	0.01	99.57
124.0-125.0	4.5	0.4	3763.3	0.01	99.58
125.0-126.0	4.5	0.4	3763.7	0.01	99.59
126.0-127.0	4.6	0.4	3764.1	0.01	99.60
127.0-128.0	4.7	0.4	3764.6	0.01	99.61
128.0-129.0	4.8	0.4	3765.0	0.01	99.62
129.0-130.0	4.9	0.4	3765.4	0.01	99.63
130.0-131.0	5.0	0.4	3765.8	0.01	99.65
131.0-132.0	5.1	0.4	3766.2	0.01	99.66
132.0-133.0	5.1	0.4	3766.6	0.01	99.67
133.0-134.0	5.2	0.4	3767.0	0.01	99.68
134.0-135.0	5.3	0.4	3767.5	0.01	99.69
135.0-136.0	5.4	0.4	3767.9	0.01	99.70
136.0-137.0	5.4	0.4	3768.3	0.01	99.71
137.0-138.0	5.5	0.4	3768.7	0.01	99.72
138.0-139.0	5.6	0.4	3769.1	0.01	99.73
139.0-140.0	5.7	0.4	3769.5	0.01	99.74
140.0-141.0	5.7	0.4	3769.9	0.01	99.75
141.0-142.0	5.8	0.4	3770.3	0.01	99.76
142.0-143.0	5.9	0.4	3770.7	0.01	99.78
143.0-144.0	6.0	0.4	3771.1	0.01	99.79

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: 7.994 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	6.0	0.4	3771.5	0.01	99.80
145.0-146.0	6.1	0.4	3771.8	0.01	99.81
146.0-147.0	6.2	0.4	3772.2	0.01	99.82
147.0-148.0	6.3	0.4	3772.6	0.01	99.83
148.0-149.0	6.3	0.4	3772.9	0.01	99.83
149.0-150.0	6.4	0.4	3773.3	0.01	99.84
150.0-151.0	6.5	0.3	3773.7	0.01	99.85
151.0-152.0	6.5	0.3	3774.0	0.01	99.86
152.0-153.0	6.6	0.3	3774.3	0.01	99.87
153.0-154.0	6.7	0.3	3774.7	0.01	99.88
154.0-155.0	6.8	0.3	3775.0	0.01	99.89
155.0-156.0	6.8	0.3	3775.3	0.01	99.90
156.0-157.0	6.9	0.3	3775.6	0.01	99.90
157.0-158.0	6.9	0.3	3775.9	0.01	99.91
158.0-159.0	7.0	0.3	3776.2	0.01	99.92
159.0-160.0	7.1	0.3	3776.4	0.01	99.93
160.0-161.0	7.1	0.3	3776.7	0.01	99.93
161.0-162.0	7.1	0.2	3776.9	0.01	99.94
162.0-163.0	7.2	0.2	3777.2	0.01	99.95
163.0-164.0	7.2	0.2	3777.4	0.01	99.95
164.0-165.0	7.2	0.2	3777.6	0.01	99.96
165.0-166.0	7.3	0.2	3777.8	0.01	99.96
166.0-167.0	7.3	0.2	3778.0	0.00	99.97
167.0-168.0	7.3	0.2	3778.2	0.00	99.97
168.0-169.0	7.4	0.2	3778.3	0.00	99.98
169.0-170.0	7.4	0.1	3778.5	0.00	99.98
170.0-171.0	7.4	0.1	3778.6	0.00	99.98
171.0-172.0	7.4	0.1	3778.7	0.00	99.99
172.0-173.0	7.4	0.1	3778.8	0.00	99.99
173.0-174.0	7.4	0.1	3778.9	0.00	99.99
174.0-175.0	7.5	0.1	3779.0	0.00	100.00
175.0-176.0	7.5	0.1	3779.1	0.00	100.00
176.0-177.0	7.5	0.1	3779.1	0.00	100.00
177.0-178.0	7.5	0.0	3779.2	0.00	100.00
178.0-179.0	7.5	0.0	3779.2	0.00	100.00
179.0-180.0	7.5	0.0	3779.2	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: 7.994 m
Humidity: 58
Inspector: