

Report No.:

Test Time: 2022/7/1 15:06

## Luminaire Property

Luminaire Manufacturer:

Luminaire Category: Curved pendants RGBW C35 1 ROWS 18W/M

Luminaire Description: Curved pendants RGBW C35 1 ROWS 18W/M

Lamp Catalog: GREEN

Number of Lamps: 1

Luminous Length (mm): 300

Luminous Width (mm): 35

Luminous Height (mm): 37.5

Voltage: 24.0 V

Current: 0.060 A

Power: 1.45 W

Power Factor: 1.000

## Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 40.4 lm

Measurement Flux: 40.4 lm

Efficiency: 100%

Downward Ratio: 99%

Upward Ratio: 1%

Horizontal Diffuse Angle(10%,50%): H157.4,H98.6

Vertical Diffuse Angle(10%,50%): V157.8,V103.1

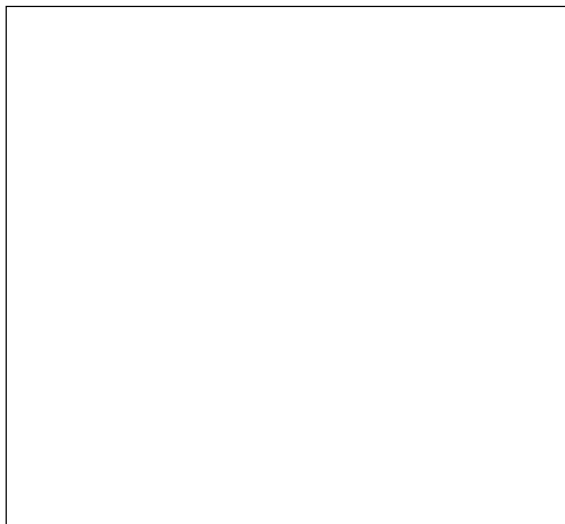
Luminaire Efficacy Rating (LER): 28

Central Intensity: 15.9 cd

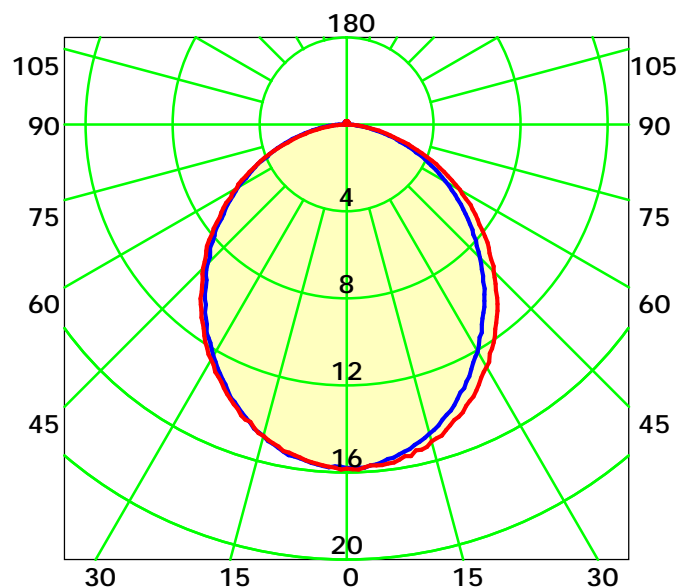
Max. Intensity: 15.98 cd

Pos of Max. Intensity: H90 V2

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 100.9° Unit: cd

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 30.0

Gamma Plane (°):0.0-180.0: 1.0

Test Lab:

Test Device: GPM-1800B

Test Type: TYPE C

Distance: 9.028 m

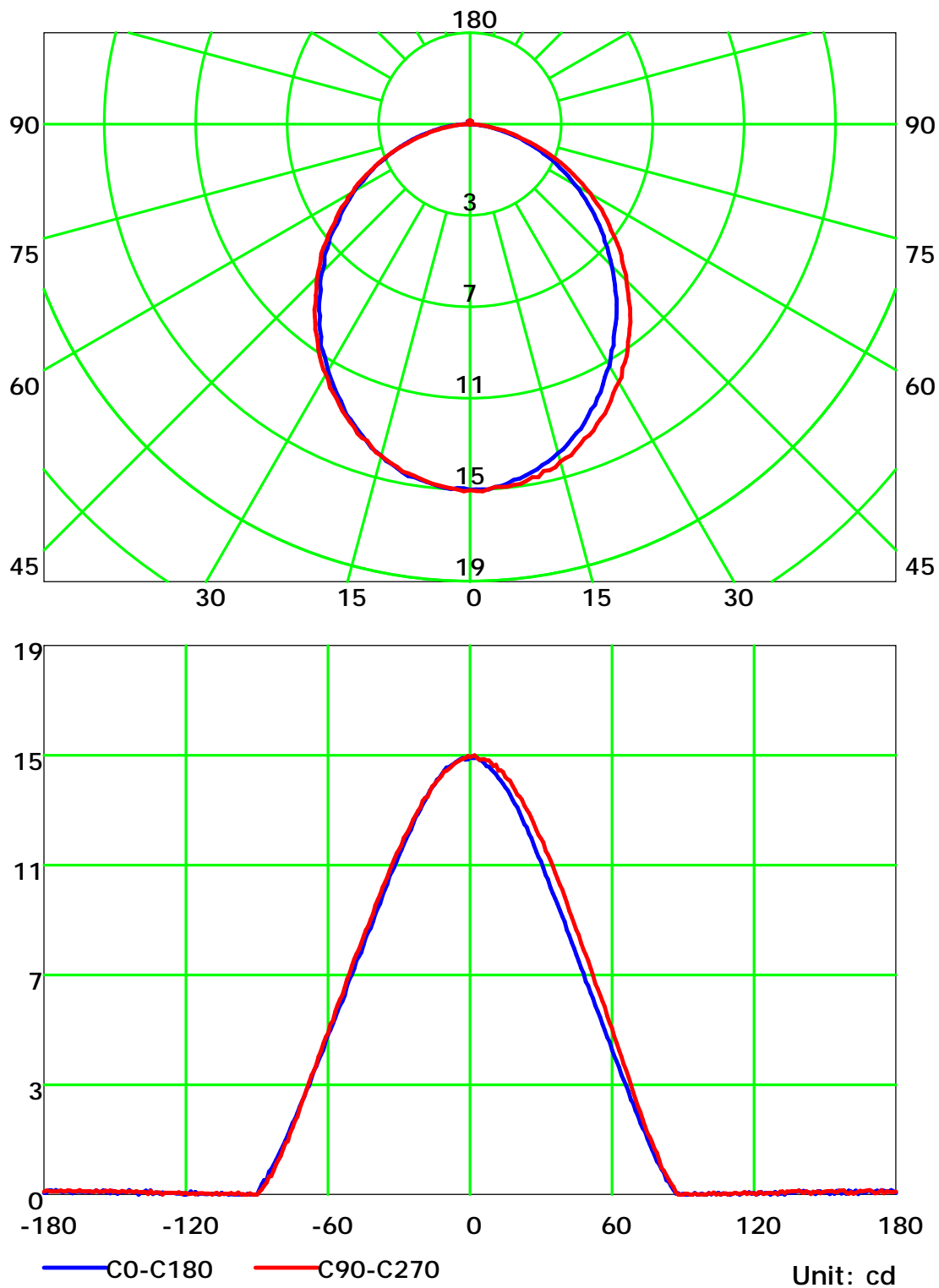
Temperature: 25

Humidity: 60%

Operator: Jacky

Inspector:

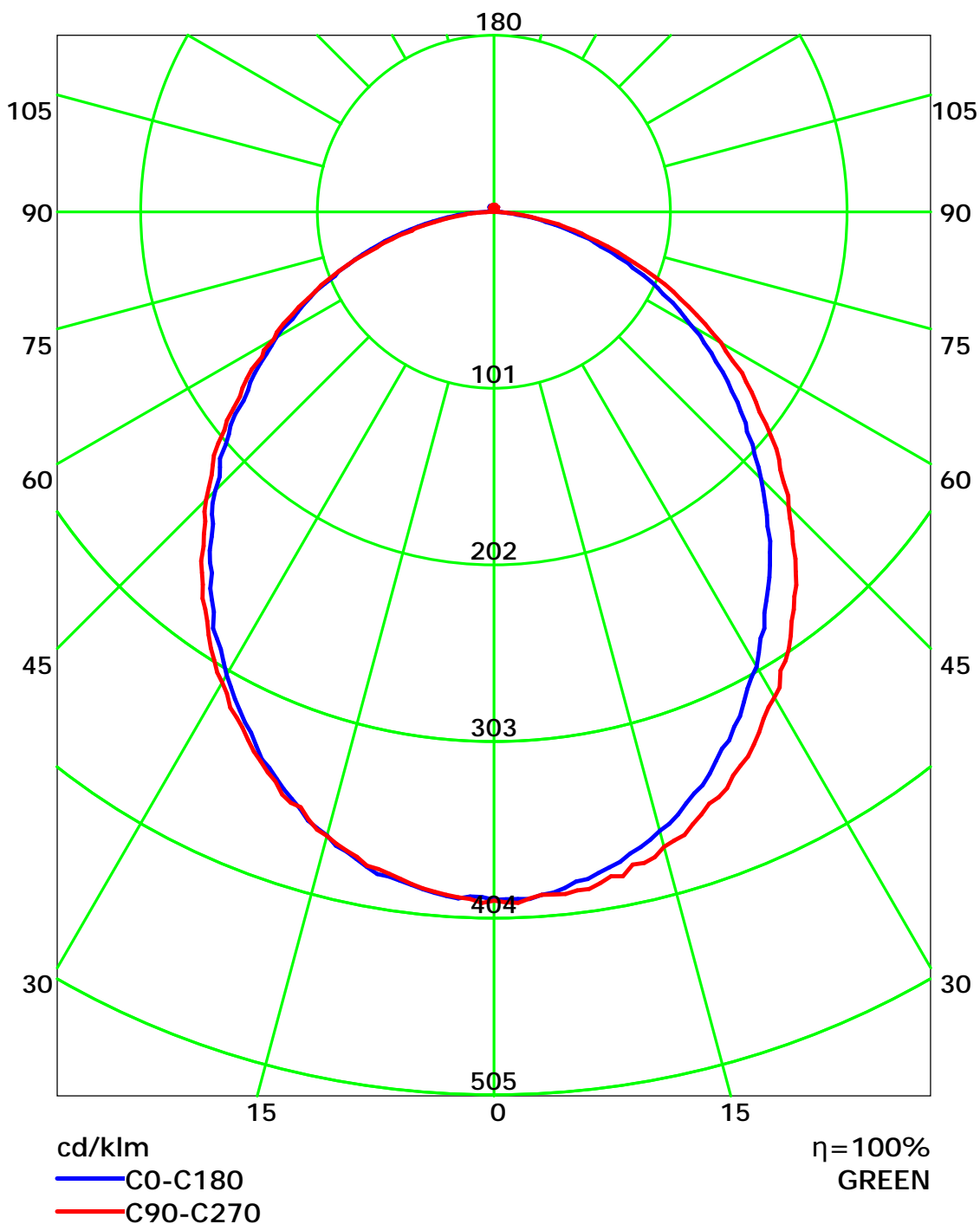
## Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 9.028 m  
Humidity: 60%  
Inspector:

## Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 9.028 m  
Humidity: 60%  
Inspector:

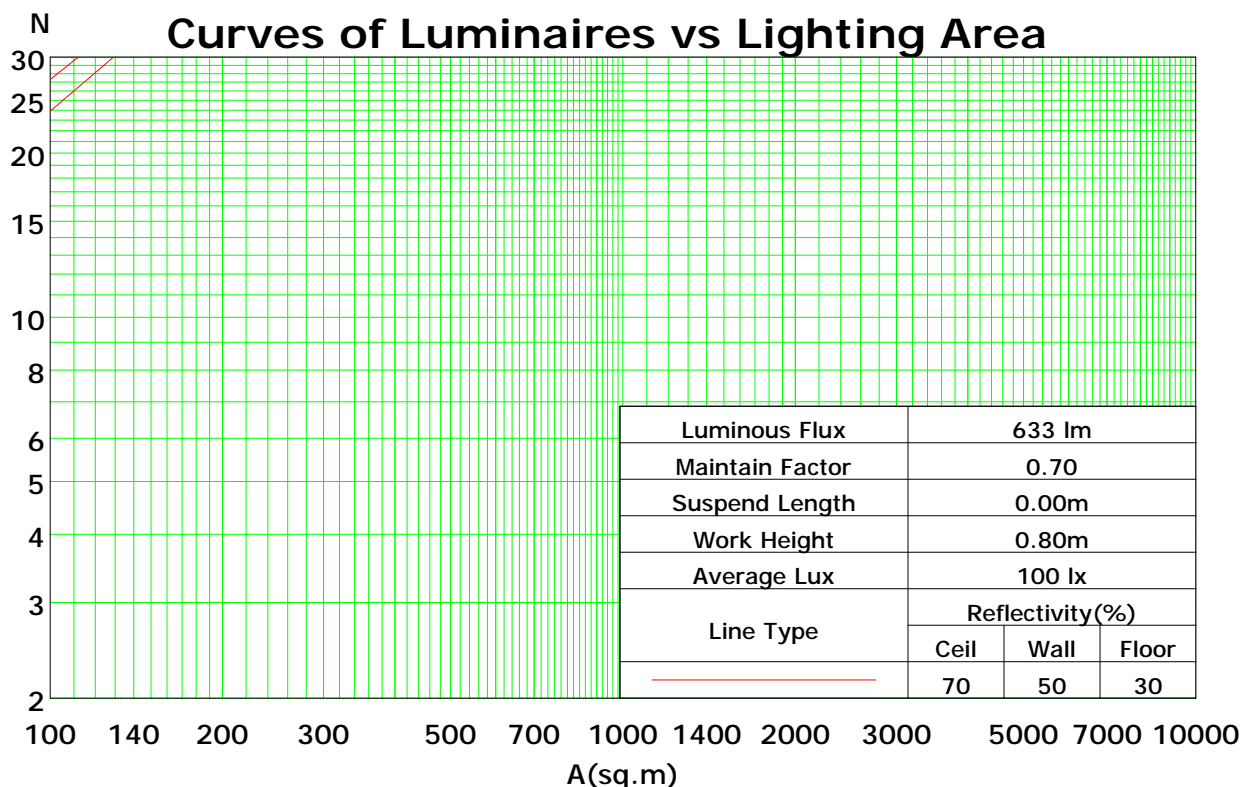
## Coefficients Of Utilization - Zonal Cavity Method

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	109	104	100	96	106	102	98	95	98	94	92	94	91	89	90	88	86	84
2	99	91	85	79	97	89	83	78	86	81	76	82	78	74	79	76	73	70
3	91	80	73	66	88	79	71	66	76	69	64	73	68	63	70	66	62	60
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	53	51
5	77	64	55	49	75	63	55	48	61	53	48	59	52	47	57	51	47	45
6	71	58	49	43	69	57	49	43	55	48	42	53	47	42	52	46	41	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	43	37	33	31
9	57	44	36	31	56	44	36	31	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	31	27	26

Spacing Criteria (0-180): 1.16

Spacing Criteria (90-270): 1.20

Spacing Criteria (Diagonal): 1.29



C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator: Jacky

Gamma Plane (°):0.0-180.0: 1.0

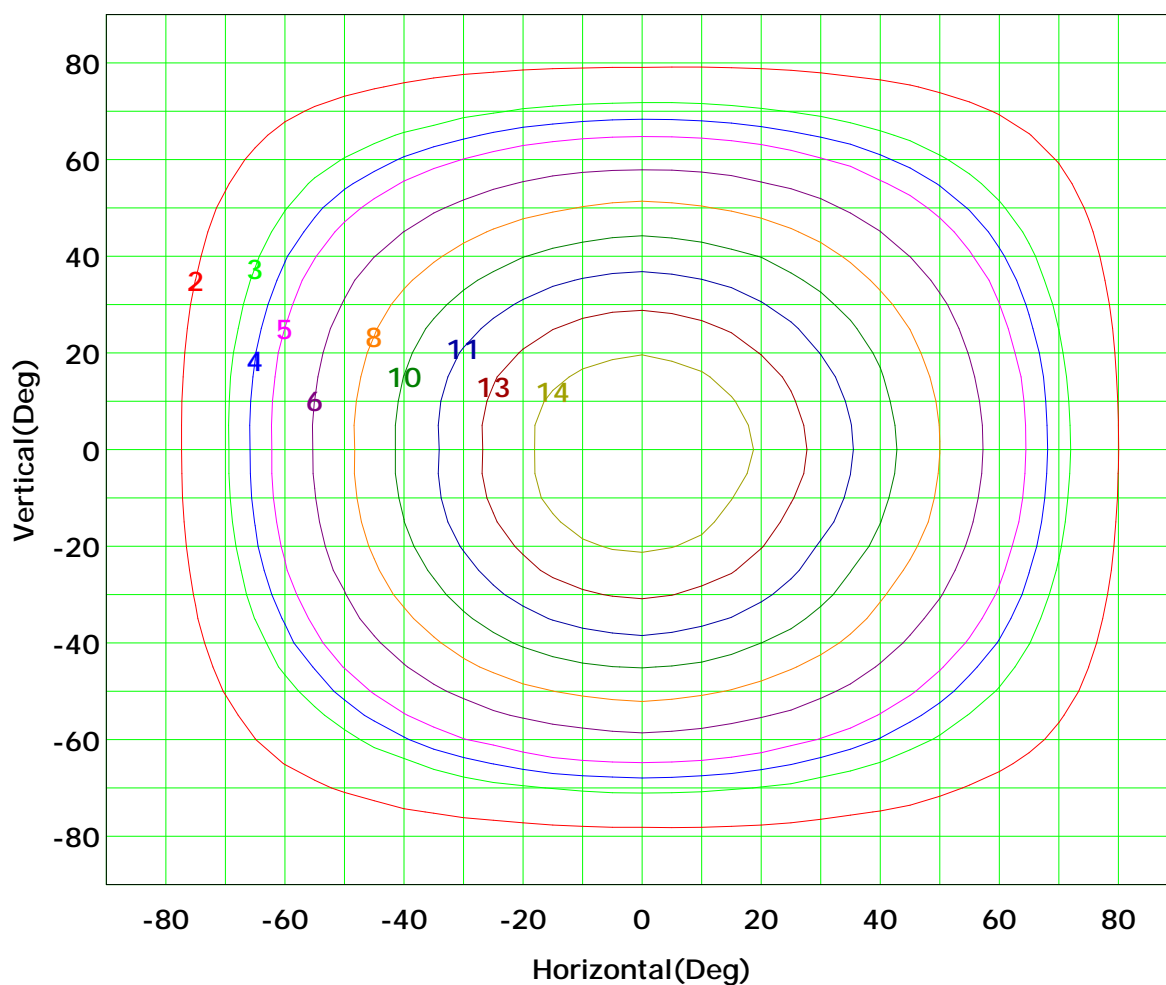
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

## Isocandela (rectangle)



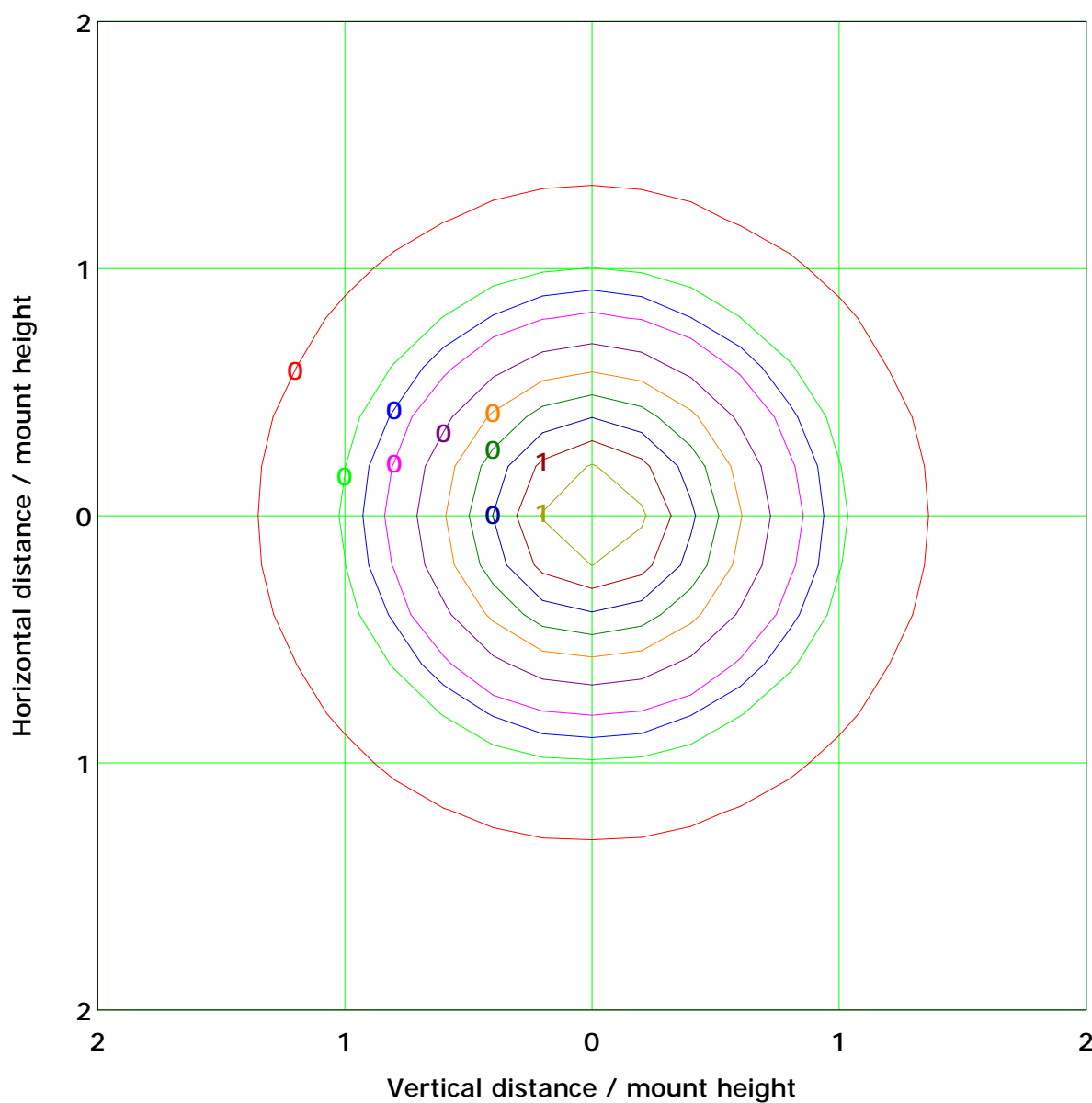
Imax (100%): 16 cd

( 10%):	2 cd	( 20%):	3 cd
( 25%):	4 cd	( 30%):	5 cd
( 40%):	6 cd	( 50%):	8 cd
( 60%):	10 cd	( 70%):	11 cd
( 80%):	13 cd	( 90%):	14 cd

C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 9.028 m  
Humidity: 60%  
Inspector:

## IsoLux Plot



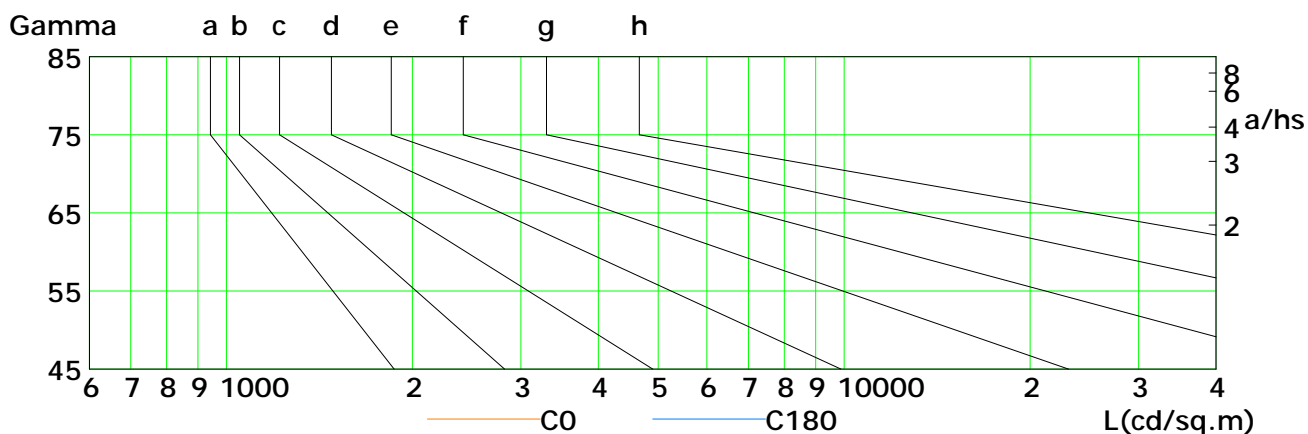
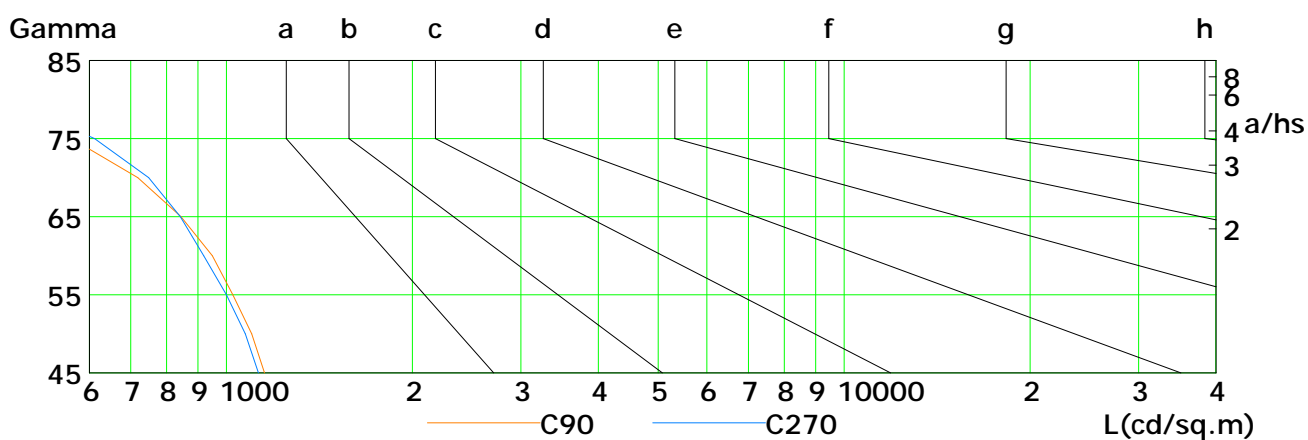
C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 9.028 m  
Humidity: 60%  
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



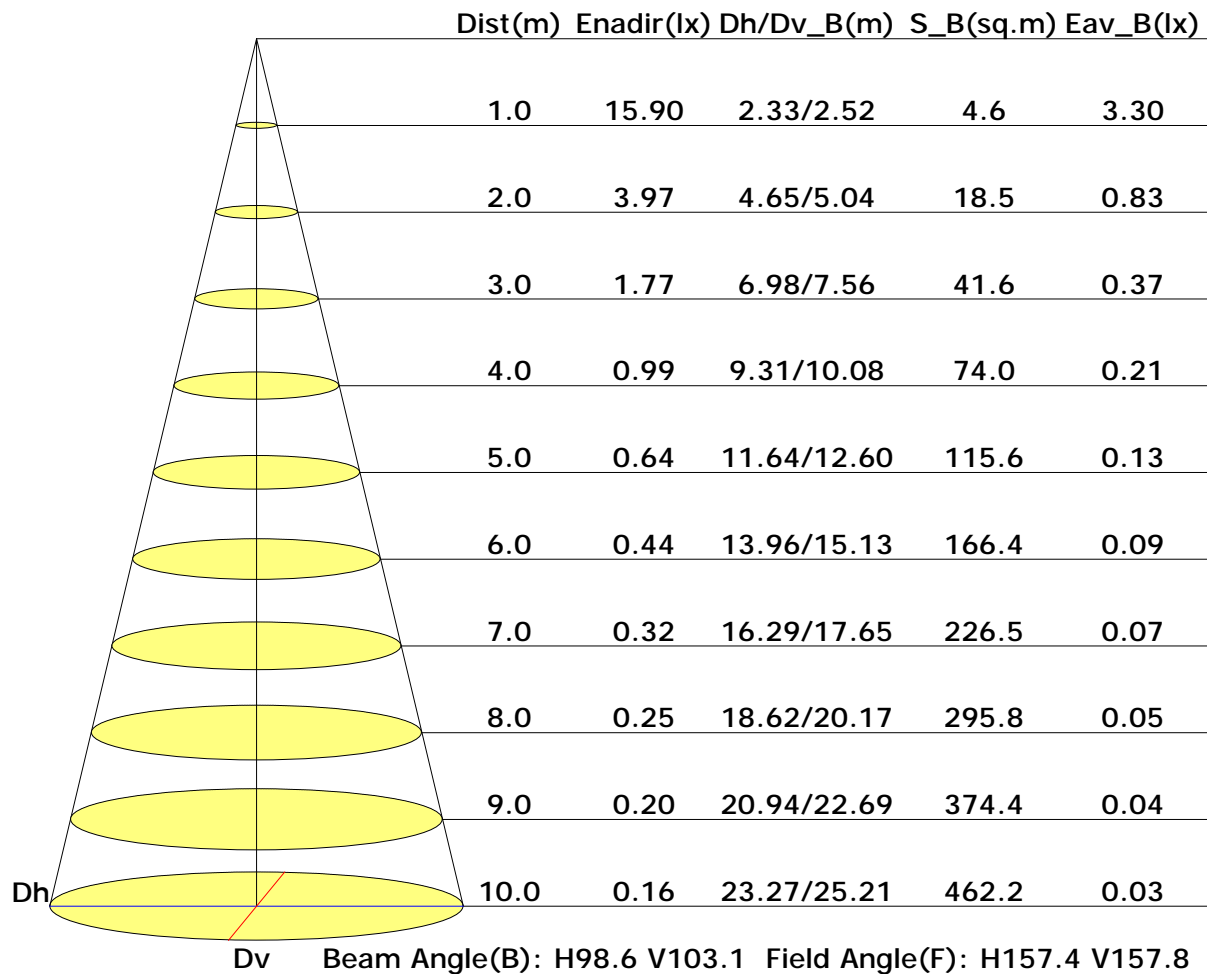
L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	568	495	424	352	286	216	149	85	26
C90	1153	1099	1024	949	844	719	562	398	184
C180	592	521	452	388	320	253	192	125	69
C270	1127	1073	1000	919	842	748	612	449	297

C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 9.028 m  
Humidity: 60%  
Inspector:



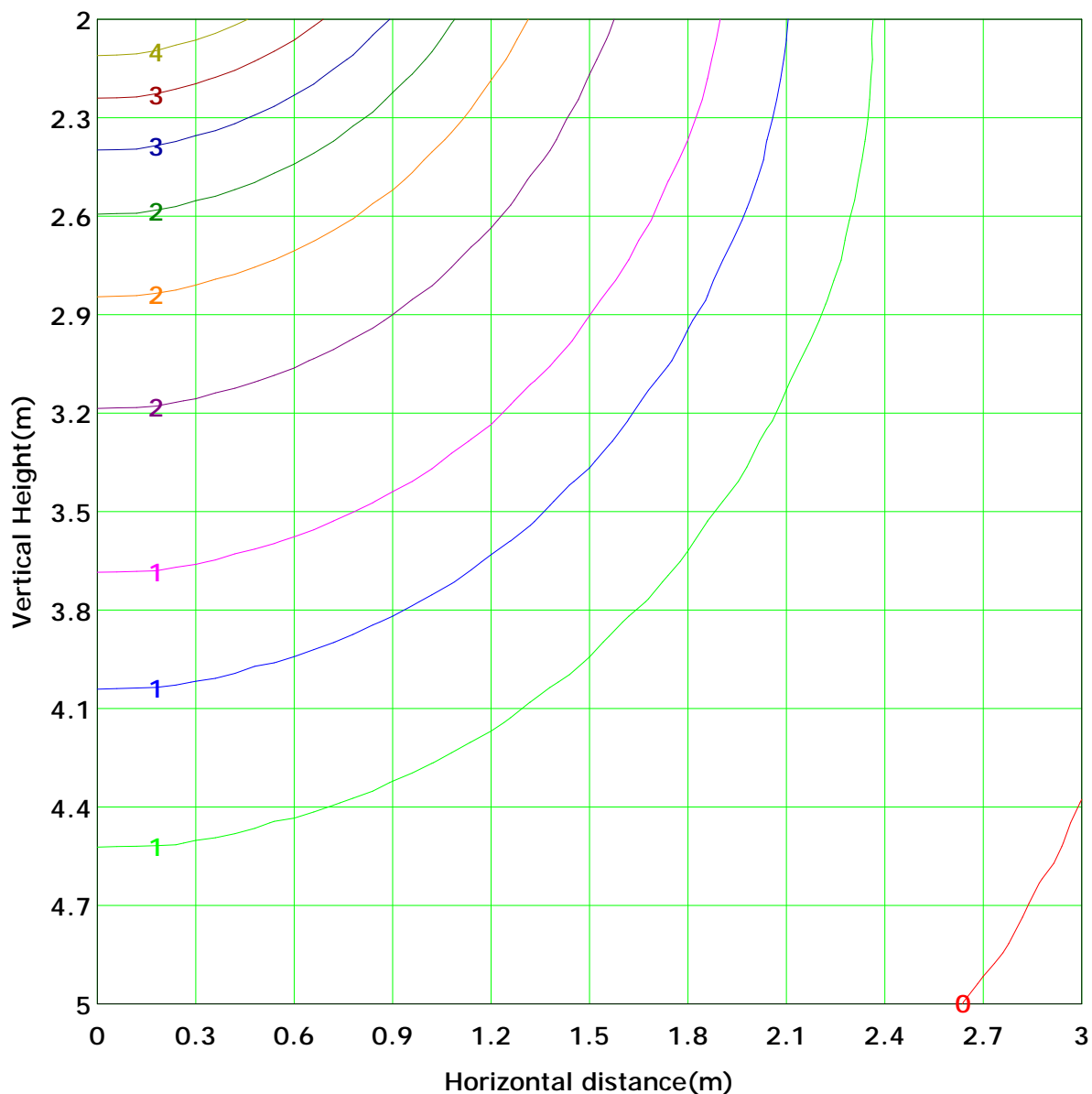
## Illuminance at a Distance



C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 9.028 m  
Humidity: 60%  
Inspector:

## Vertical IsoLux Plot



Lowest(m): 2.0m	Highest(m): 5.0m	Max Lux: 4.0 lx
( 10%): 0.4 lx	( 20%): 0.8 lx	( 30%): 1.2 lx
( 25%): 1.0 lx	( 40%): 1.6 lx	( 50%): 2.0 lx
( 60%): 2.4 lx	( 70%): 2.8 lx	( 80%): 3.2 lx
( 90%): 3.6 lx		

C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 9.028 m  
Humidity: 60%  
Inspector:

## Area Flux Table

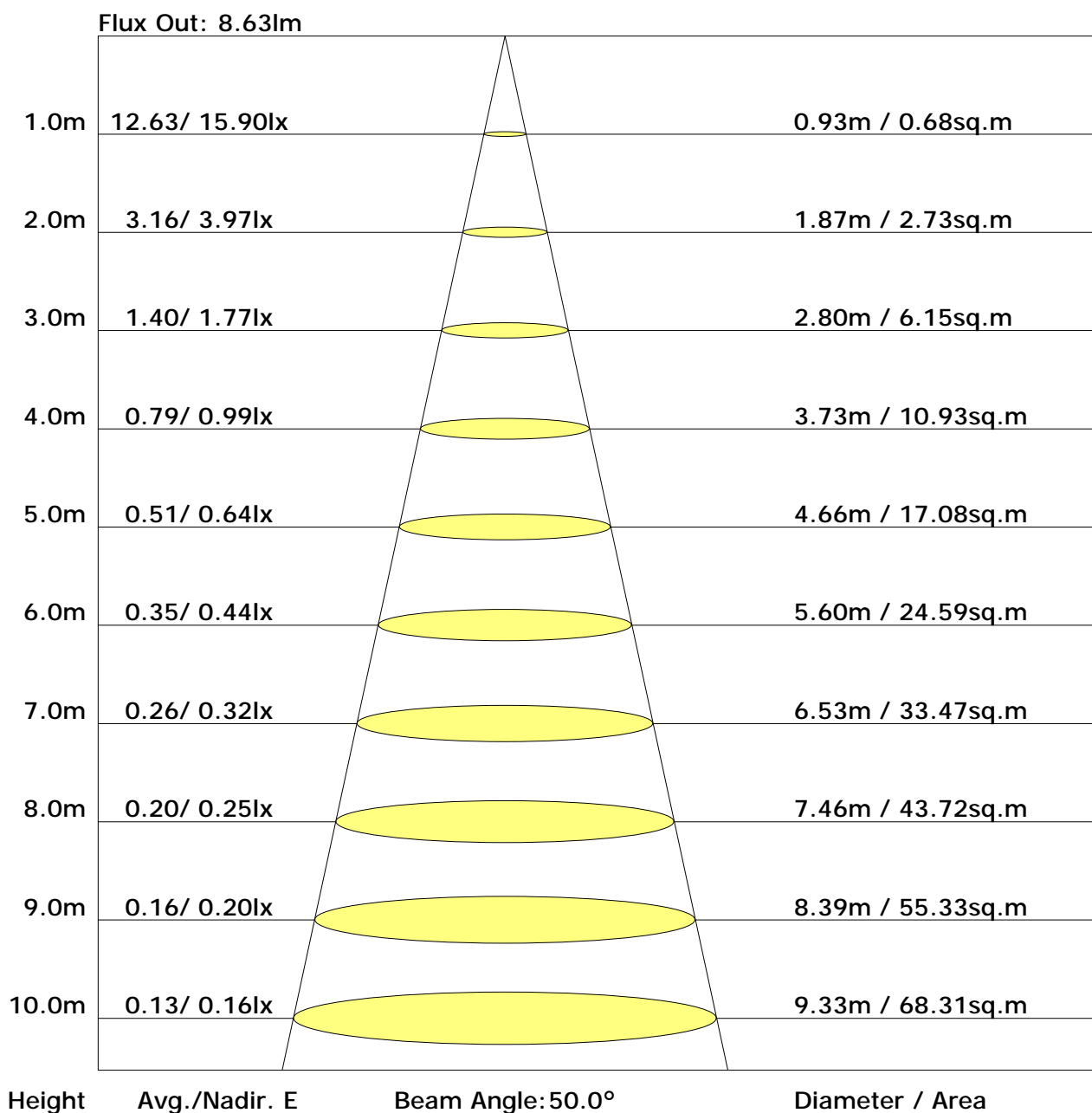
Unit: lm

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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	-80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	-70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	-60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	-50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	-40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	-30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Flux(T)	0.0	0.2	0.6	1.2	2.0	2.9	3.7	4.4	4.8	4.8	4.4	3.8	2.9	2.0	1.2	0.6	0.2	0.0	0.0	40	
	Flux(E)	0.0	0.2	0.6	1.2	2.0	2.9	3.7	4.4	4.8	4.8	4.4	3.7	2.8	2.0	1.2	0.5	0.1	0.0	0.0		39

C Plane (°): 0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator: Jacky

Gamma Plane (°): 0.0-180.0: 1.0  
Test Device: GPM-1800B  
Distance: 9.028 m  
Humidity: 60%  
Inspector:

## The Average Illuminance Effective Figure



C Plane (°): 0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator: Jacky

Gamma Plane (°): 0.0-180.0: 1.0  
Test Device: GPM-1800B  
Distance: 9.028 m  
Humidity: 60%  
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	21.3	22.9	21.7	23.3	23.6	20.3	21.9	20.7	22.3	22.6
3H	22.9	24.3	23.2	24.6	25.0	21.6	23.0	21.9	23.3	23.7
4H	23.4	24.7	23.8	25.1	25.5	21.9	23.2	22.3	23.6	24.0
6H	23.6	24.9	24.1	25.3	25.7	22.0	23.3	22.5	23.7	24.1
8H	23.7	24.9	24.1	25.3	25.7	22.1	23.2	22.5	23.7	24.1
12H	23.7	24.8	24.2	25.2	25.7	22.1	23.2	22.5	23.6	24.0
X=4H Y=2H	21.7	23.0	22.1	23.4	23.8	20.8	22.2	21.3	22.6	23.0
3H	23.4	24.5	23.8	24.9	25.3	22.2	23.3	22.7	23.8	24.2
4H	24.0	25.0	24.4	25.4	25.9	22.6	23.7	23.1	24.1	24.5
6H	24.3	25.2	24.8	25.7	26.1	22.9	23.8	23.3	24.2	24.7
8H	24.4	25.2	24.9	25.7	26.2	22.9	23.7	23.4	24.2	24.7
12H	24.4	25.2	24.9	25.7	26.1	22.9	23.6	23.4	24.1	24.6
X=8H Y=4H	24.1	24.9	24.5	25.3	25.8	22.8	23.7	23.3	24.1	24.6
6H	24.5	25.2	25.0	25.7	26.2	23.1	23.8	23.6	24.3	24.8
8H	24.6	25.2	25.1	25.7	26.2	23.2	23.8	23.7	24.3	24.8
12H	24.6	25.2	25.1	25.7	26.3	23.2	23.7	23.7	24.2	24.8
X=12H Y=4H	24.0	24.8	24.5	25.3	25.8	22.8	23.6	23.3	24.1	24.6
6H	24.5	25.1	25.0	25.6	26.1	23.1	23.7	23.7	24.2	24.8
8H	24.6	25.1	25.1	25.6	26.2	23.2	23.7	23.7	24.2	24.8

Calculate in accordance with CIE 190:2010

C Plane (°): 0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator: Jacky

Gamma Plane (°): 0.0-180.0: 1.0  
Test Device: GPM-1800B  
Distance: 9.028 m  
Humidity: 60%  
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	0.59	0.69	0.76	0.81	0.88	0.93	0.97	1.01	1.04
	0.30		0.51	0.61	0.69	0.74	0.82	0.88	0.92	0.97	1.00
	0.20		0.45	0.56	0.63	0.69	0.77	0.83	0.88	0.93	0.97
0.50	0.50	0.20	0.57	0.67	0.73	0.78	0.85	0.90	0.93	0.97	0.99
	0.30		0.50	0.60	0.67	0.72	0.80	0.85	0.89	0.94	0.97
	0.20		0.45	0.55	0.62	0.68	0.76	0.81	0.85	0.91	0.94
0.30	0.50	0.20	0.55	0.65	0.71	0.76	0.82	0.86	0.89	0.93	0.95
	0.30		0.49	0.59	0.66	0.71	0.78	0.82	0.86	0.90	0.93
	0.20		0.45	0.54	0.61	0.67	0.74	0.79	0.83	0.88	0.91
0.00	0.00	0.00	0.42	0.52	0.59	0.64	0.71	0.75	0.79	0.83	0.86
Rating: 1W 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	0.97	0.80	0.68	0.59	0.47	0.39	0.33	0.26	0.21	
	0.30		0.81	0.68	0.59	0.52	0.43	0.36	0.31	0.24	0.20	
	0.20		0.69	0.60	0.52	0.47	0.39	0.33	0.29	0.23	0.19	
0.50	0.50	0.20	0.93	0.77	0.65	0.56	0.45	0.40	0.32	0.24	0.20	
	0.30		0.79	0.66	0.57	0.51	0.41	0.34	0.30	0.23	0.19	
	0.20		0.69	0.59	0.51	0.46	0.38	0.32	0.28	0.22	0.18	
0.30	0.50	0.20	0.90	0.73	0.62	0.54	0.43	0.35	0.30	0.23	0.19	
	0.30		0.77	0.65	0.56	0.49	0.39	0.33	0.28	0.22	0.18	
	0.20		0.68	0.58	0.50	0.45	0.37	0.31	0.27	0.21	0.18	
0.00	0.00	0.00	0.57	0.48	0.41	0.36	0.29	0.24	0.21	0.16	0.13	
<p>Rating: 1W Photometrically tested without ceiling board.</p> <p>Multiply UF values by service correction factors</p> <p>Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>												

## 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		0.06	0.07	0.09	0.10	0.12	0.14	0.15	0.17	0.18
0.50	0.50	0.20	0.16	0.18	0.18	0.19	0.20	0.20	0.21	0.21	0.22
	0.30		0.10	0.12	0.13	0.14	0.15	0.17	0.17	0.19	0.19
	0.20		0.05	0.07	0.09	0.10	0.12	0.13	0.15	0.16	0.17
0.30	0.50	0.20	0.16	0.17	0.18	0.18	0.19	0.20	0.20	0.20	0.21
	0.30		0.10	0.11	0.13	0.14	0.15	0.16	0.17	0.18	0.19
	0.20		0.05	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: 1W 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	15.9	0.0	0.0	0.04	0.04
1.0-2.0	15.9	0.0	0.1	0.11	0.15
2.0-3.0	15.9	0.1	0.1	0.19	0.34
3.0-4.0	15.9	0.1	0.2	0.26	0.60
4.0-5.0	15.8	0.1	0.4	0.34	0.94
5.0-6.0	15.8	0.2	0.5	0.41	1.35
6.0-7.0	15.7	0.2	0.7	0.48	1.83
7.0-8.0	15.7	0.2	1.0	0.56	2.39
8.0-9.0	15.6	0.3	1.2	0.63	3.01
9.0-10.0	15.5	0.3	1.5	0.70	3.71
10.0-11.0	15.4	0.3	1.8	0.76	4.47
11.0-12.0	15.4	0.3	2.1	0.83	5.31
12.0-13.0	15.3	0.4	2.5	0.90	6.20
13.0-14.0	15.2	0.4	2.9	0.96	7.16
14.0-15.0	15.0	0.4	3.3	1.02	8.19
15.0-16.0	14.9	0.4	3.7	1.08	9.27
16.0-17.0	14.8	0.5	4.2	1.14	10.41
17.0-18.0	14.7	0.5	4.7	1.20	11.61
18.0-19.0	14.5	0.5	5.2	1.25	12.86
19.0-20.0	14.4	0.5	5.7	1.30	14.16
20.0-21.0	14.2	0.5	6.3	1.35	15.51
21.0-22.0	14.0	0.6	6.8	1.40	16.91
22.0-23.0	13.9	0.6	7.4	1.44	18.35
23.0-24.0	13.7	0.6	8.0	1.48	19.83
24.0-25.0	13.5	0.6	8.6	1.53	21.36
25.0-26.0	13.4	0.6	9.3	1.56	22.92
26.0-27.0	13.2	0.6	9.9	1.59	24.51
27.0-28.0	13.0	0.7	10.6	1.63	26.14
28.0-29.0	12.8	0.7	11.2	1.66	27.80
29.0-30.0	12.6	0.7	11.9	1.68	29.48
30.0-31.0	12.4	0.7	12.6	1.71	31.19
31.0-32.0	12.2	0.7	13.3	1.73	32.92
32.0-33.0	12.0	0.7	14.0	1.75	34.67
33.0-34.0	11.8	0.7	14.7	1.77	36.44
34.0-35.0	11.6	0.7	15.4	1.78	38.21
35.0-36.0	11.3	0.7	16.2	1.79	40.00

C Plane (°): 0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature: 25  
 Operator: Jacky

Gamma Plane (°): 0.0-180.0: 1.0  
 Test Device: GPM-1800B  
 Distance: 9.028 m  
 Humidity: 60%  
 Inspector:

## Zonal Lumen (Continue 1)

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	11.1	0.7	16.9	1.80	41.80
37.0-38.0	10.9	0.7	17.6	1.81	43.61
38.0-39.0	10.7	0.7	18.3	1.81	45.42
39.0-40.0	10.5	0.7	19.1	1.81	47.23
40.0-41.0	10.2	0.7	19.8	1.81	49.03
41.0-42.0	10.0	0.7	20.5	1.80	50.83
42.0-43.0	9.8	0.7	21.3	1.80	52.63
43.0-44.0	9.6	0.7	22.0	1.79	54.42
44.0-45.0	9.3	0.7	22.7	1.78	56.20
45.0-46.0	9.1	0.7	23.4	1.76	57.96
46.0-47.0	8.9	0.7	24.1	1.75	59.71
47.0-48.0	8.7	0.7	24.8	1.73	61.44
48.0-49.0	8.4	0.7	25.5	1.71	63.16
49.0-50.0	8.2	0.7	26.2	1.69	64.85
50.0-51.0	8.0	0.7	26.9	1.67	66.52
51.0-52.0	7.7	0.7	27.5	1.64	68.16
52.0-53.0	7.5	0.7	28.2	1.61	69.78
53.0-54.0	7.2	0.6	28.8	1.58	71.36
54.0-55.0	7.0	0.6	29.4	1.55	72.91
55.0-56.0	6.8	0.6	30.1	1.52	74.44
56.0-57.0	6.6	0.6	30.7	1.49	75.92
57.0-58.0	6.3	0.6	31.2	1.45	77.37
58.0-59.0	6.1	0.6	31.8	1.41	78.78
59.0-60.0	5.9	0.6	32.4	1.37	80.16
60.0-61.0	5.6	0.5	32.9	1.33	81.49
61.0-62.0	5.4	0.5	33.4	1.29	82.77
62.0-63.0	5.2	0.5	33.9	1.24	84.02
63.0-64.0	4.9	0.5	34.4	1.20	85.21
64.0-65.0	4.7	0.5	34.9	1.15	86.37
65.0-66.0	4.5	0.4	35.3	1.11	87.47
66.0-67.0	4.3	0.4	35.8	1.06	88.53
67.0-68.0	4.0	0.4	36.2	1.01	89.54
68.0-69.0	3.8	0.4	36.6	0.96	90.49
69.0-70.0	3.6	0.4	36.9	0.90	91.40
70.0-71.0	3.3	0.3	37.3	0.85	92.25
71.0-72.0	3.1	0.3	37.6	0.80	93.05

C Plane (°): 0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature: 25  
 Operator: Jacky

Gamma Plane (°): 0.0-180.0: 1.0  
 Test Device: GPM-1800B  
 Distance: 9.028 m  
 Humidity: 60%  
 Inspector:

## Zonal Lumen (Continue 2)

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	2.9	0.3	37.9	0.75	93.80
73.0-74.0	2.7	0.3	38.2	0.69	94.49
74.0-75.0	2.5	0.3	38.4	0.64	95.13
75.0-76.0	2.2	0.2	38.7	0.59	95.73
76.0-77.0	2.0	0.2	38.9	0.54	96.26
77.0-78.0	1.8	0.2	39.1	0.49	96.75
78.0-79.0	1.7	0.2	39.3	0.44	97.19
79.0-80.0	1.5	0.2	39.4	0.39	97.58
80.0-81.0	1.3	0.1	39.5	0.34	97.92
81.0-82.0	1.1	0.1	39.7	0.29	98.21
82.0-83.0	0.9	0.1	39.8	0.25	98.46
83.0-84.0	0.7	0.1	39.8	0.20	98.66
84.0-85.0	0.6	0.1	39.9	0.16	98.82
85.0-86.0	0.5	0.1	40.0	0.12	98.95
86.0-87.0	0.3	0.0	40.0	0.09	99.03
87.0-88.0	0.2	0.0	40.0	0.05	99.08
88.0-89.0	0.1	0.0	40.0	0.03	99.11
89.0-90.0	0.0	0.0	40.0	0.01	99.12
90.0-91.0	0.0	0.0	40.0	0.00	99.13
91.0-92.0	0.0	0.0	40.0	0.00	99.13
92.0-93.0	0.0	0.0	40.0	0.01	99.14
93.0-94.0	0.0	0.0	40.0	0.01	99.15
94.0-95.0	0.0	0.0	40.0	0.00	99.15
95.0-96.0	0.0	0.0	40.0	0.00	99.16
96.0-97.0	0.0	0.0	40.1	0.00	99.16
97.0-98.0	0.0	0.0	40.1	0.01	99.17
98.0-99.0	0.0	0.0	40.1	0.01	99.17
99.0-100.0	0.0	0.0	40.1	0.01	99.18
100.0-101.0	0.0	0.0	40.1	0.01	99.19
101.0-102.0	0.0	0.0	40.1	0.01	99.19
102.0-103.0	0.0	0.0	40.1	0.01	99.20
103.0-104.0	0.0	0.0	40.1	0.01	99.21
104.0-105.0	0.0	0.0	40.1	0.01	99.22
105.0-106.0	0.0	0.0	40.1	0.01	99.22
106.0-107.0	0.0	0.0	40.1	0.01	99.23
107.0-108.0	0.0	0.0	40.1	0.01	99.24

C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 9.028 m  
Humidity: 60%  
Inspector:

## Zonal Lumen (Continue 3)

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	0.0	0.0	40.1	0.01	99.25
109.0-110.0	0.0	0.0	40.1	0.01	99.26
110.0-111.0	0.0	0.0	40.1	0.01	99.26
111.0-112.0	0.0	0.0	40.1	0.01	99.27
112.0-113.0	0.0	0.0	40.1	0.01	99.29
113.0-114.0	0.0	0.0	40.1	0.01	99.30
114.0-115.0	0.0	0.0	40.1	0.01	99.31
115.0-116.0	0.0	0.0	40.1	0.01	99.32
116.0-117.0	0.1	0.0	40.1	0.01	99.33
117.0-118.0	0.0	0.0	40.1	0.01	99.34
118.0-119.0	0.0	0.0	40.1	0.01	99.35
119.0-120.0	0.0	0.0	40.1	0.01	99.36
120.0-121.0	0.0	0.0	40.1	0.01	99.37
121.0-122.0	0.1	0.0	40.1	0.01	99.39
122.0-123.0	0.1	0.0	40.1	0.01	99.40
123.0-124.0	0.1	0.0	40.2	0.01	99.41
124.0-125.0	0.1	0.0	40.2	0.01	99.42
125.0-126.0	0.1	0.0	40.2	0.01	99.44
126.0-127.0	0.1	0.0	40.2	0.01	99.45
127.0-128.0	0.1	0.0	40.2	0.01	99.46
128.0-129.0	0.1	0.0	40.2	0.01	99.48
129.0-130.0	0.1	0.0	40.2	0.01	99.49
130.0-131.0	0.1	0.0	40.2	0.01	99.50
131.0-132.0	0.1	0.0	40.2	0.02	99.52
132.0-133.0	0.1	0.0	40.2	0.01	99.53
133.0-134.0	0.1	0.0	40.2	0.01	99.54
134.0-135.0	0.1	0.0	40.2	0.01	99.56
135.0-136.0	0.1	0.0	40.2	0.01	99.57
136.0-137.0	0.1	0.0	40.2	0.01	99.59
137.0-138.0	0.1	0.0	40.2	0.02	99.60
138.0-139.0	0.1	0.0	40.2	0.02	99.62
139.0-140.0	0.1	0.0	40.2	0.02	99.64
140.0-141.0	0.1	0.0	40.3	0.02	99.65
141.0-142.0	0.1	0.0	40.3	0.02	99.67
142.0-143.0	0.1	0.0	40.3	0.02	99.69
143.0-144.0	0.1	0.0	40.3	0.01	99.70

C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature: 25  
 Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 9.028 m  
 Humidity: 60%  
 Inspector:

## Zonal Lumen (Continue 4)

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	0.1	0.0	40.3	0.01	99.71
145.0-146.0	0.1	0.0	40.3	0.01	99.73
146.0-147.0	0.1	0.0	40.3	0.01	99.74
147.0-148.0	0.1	0.0	40.3	0.01	99.75
148.0-149.0	0.1	0.0	40.3	0.01	99.77
149.0-150.0	0.1	0.0	40.3	0.01	99.78
150.0-151.0	0.1	0.0	40.3	0.01	99.79
151.0-152.0	0.1	0.0	40.3	0.01	99.81
152.0-153.0	0.1	0.0	40.3	0.01	99.82
153.0-154.0	0.1	0.0	40.3	0.01	99.83
154.0-155.0	0.1	0.0	40.3	0.01	99.84
155.0-156.0	0.1	0.0	40.3	0.01	99.85
156.0-157.0	0.1	0.0	40.3	0.01	99.86
157.0-158.0	0.1	0.0	40.3	0.01	99.88
158.0-159.0	0.1	0.0	40.3	0.01	99.89
159.0-160.0	0.1	0.0	40.3	0.01	99.90
160.0-161.0	0.1	0.0	40.4	0.01	99.90
161.0-162.0	0.1	0.0	40.4	0.01	99.91
162.0-163.0	0.1	0.0	40.4	0.01	99.92
163.0-164.0	0.1	0.0	40.4	0.01	99.93
164.0-165.0	0.1	0.0	40.4	0.01	99.94
165.0-166.0	0.1	0.0	40.4	0.01	99.95
166.0-167.0	0.1	0.0	40.4	0.01	99.95
167.0-168.0	0.1	0.0	40.4	0.01	99.96
168.0-169.0	0.1	0.0	40.4	0.01	99.97
169.0-170.0	0.1	0.0	40.4	0.01	99.97
170.0-171.0	0.1	0.0	40.4	0.01	99.98
171.0-172.0	0.1	0.0	40.4	0.00	99.98
172.0-173.0	0.1	0.0	40.4	0.00	99.99
173.0-174.0	0.1	0.0	40.4	0.00	99.99
174.0-175.0	0.1	0.0	40.4	0.00	99.99
175.0-176.0	0.1	0.0	40.4	0.00	100.00
176.0-177.0	0.1	0.0	40.4	0.00	100.00
177.0-178.0	0.1	0.0	40.4	0.00	100.00
178.0-179.0	0.1	0.0	40.4	0.00	100.00
179.0-180.0	0.1	0.0	40.4	0.00	100.00

C Plane (°): 0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature: 25  
 Operator: Jacky

Gamma Plane (°): 0.0-180.0: 1.0  
 Test Device: GPM-1800B  
 Distance: 9.028 m  
 Humidity: 60%  
 Inspector: