

Report No.:

Test Time: 2022/6/13 16:11

## Luminaire Property

Luminaire Manufacturer:

Luminaire Category: Curved pendants CS35 D-rows flex pcb RGBW

Luminaire Description: Curved pendants CS35 D-rows flex pcb RGBW

Lamp Catalog: CV BLUE

Luminous Width (mm): 35

Voltage: 24.0 V

Power: 3.50 W

Luminous Length (mm): 300

Luminous Height (mm): 25

Current: 0.146 A

Power Factor: 1.000

## Photometric Results

CIE Class: Direct

Measurement Flux: 23.2 lm

Downward Ratio: 99%

Horizontal Diffuse Angle(10%,50%): H157.8,H105.3

Vertical Diffuse Angle(10%,50%): V159.4,V102.6

Luminaire Efficacy Rating (LER): 7

Max. Intensity: 8.9 cd

Total Rated Lamp Lumens: 23.2 lm

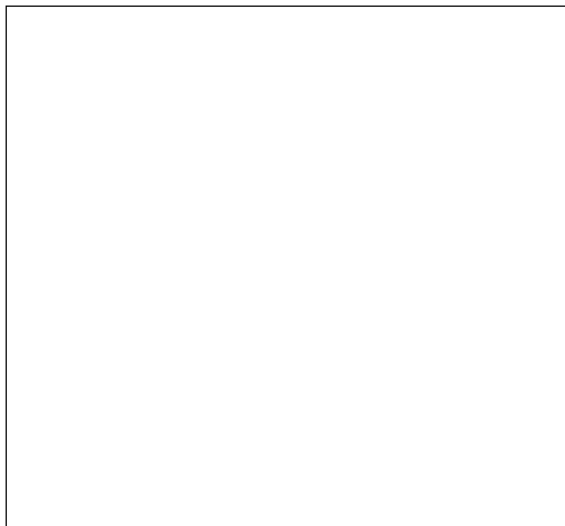
Efficiency: 100%

Upward Ratio: 1%

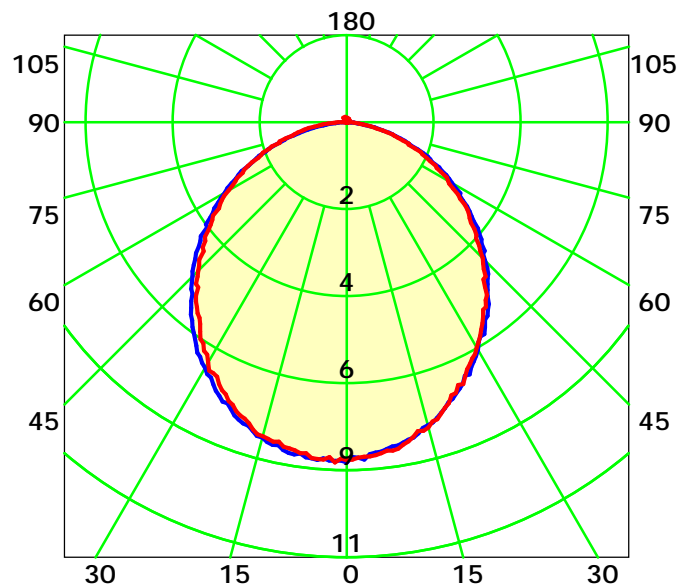
Central Intensity: 8.88 cd

Pos of Max. Intensity: H240 V5

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 104.0° Unit: cd  
— C0-C180 — C90-C270

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

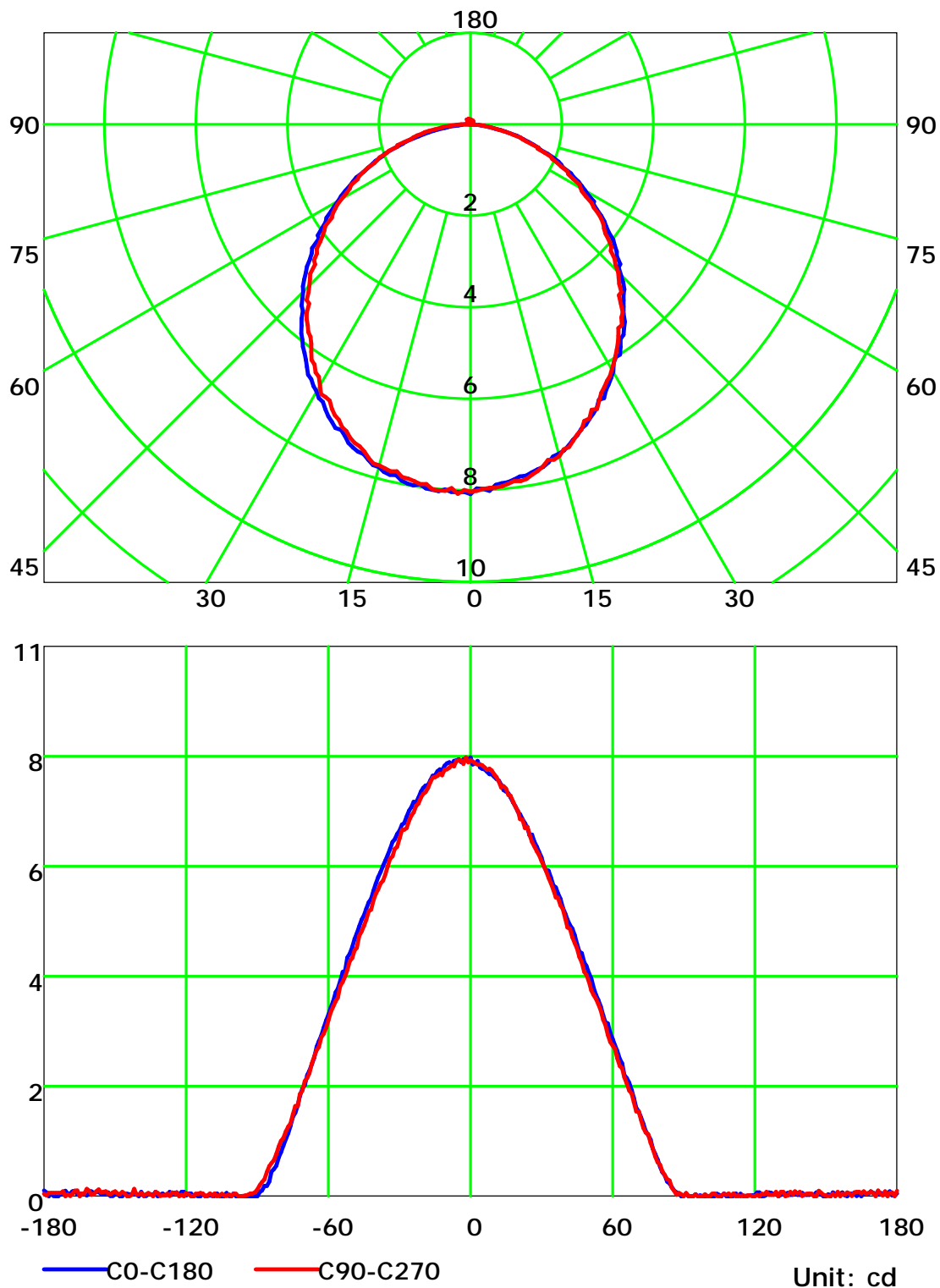
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

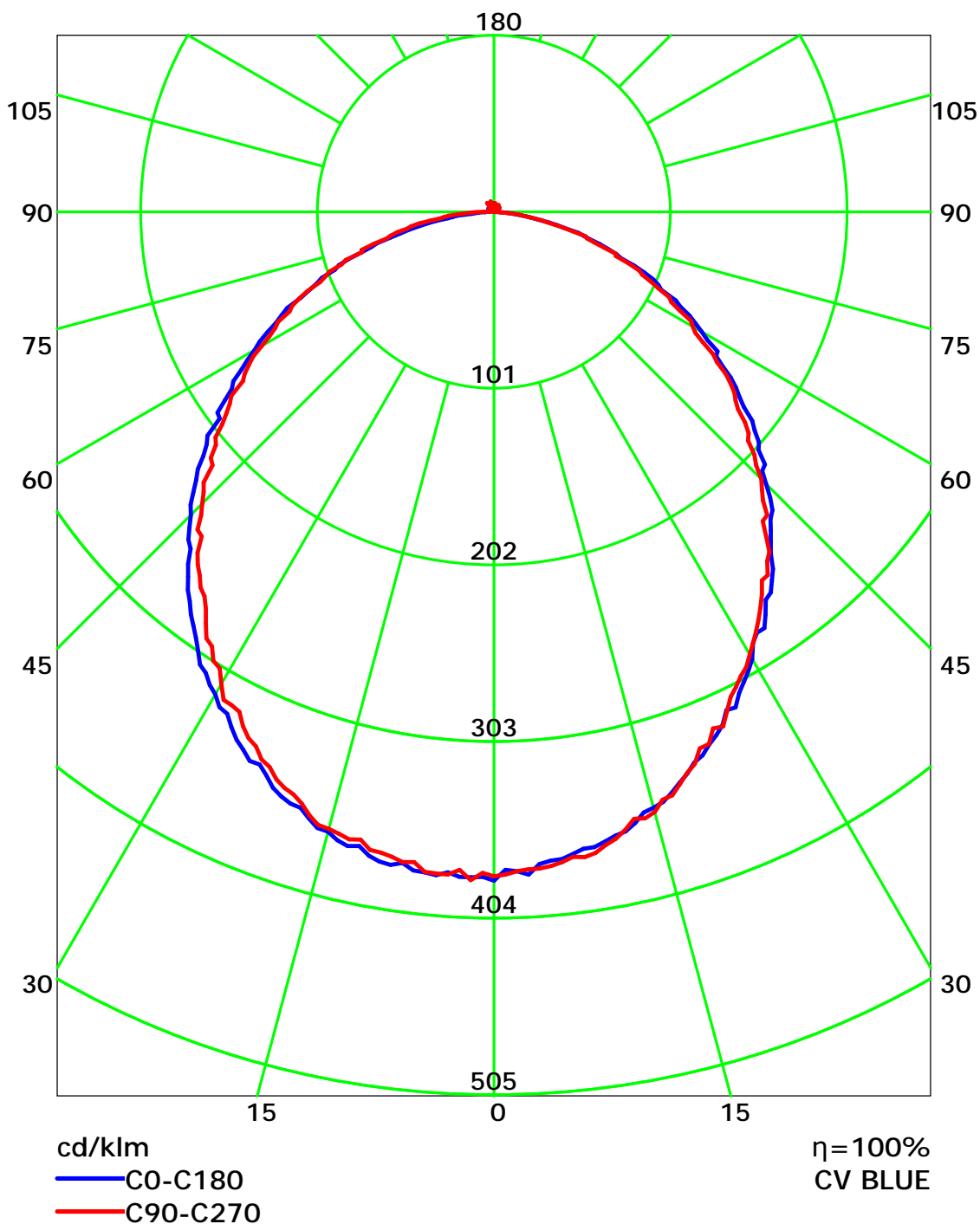
## Luminous Intensity Distribution Curve



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:

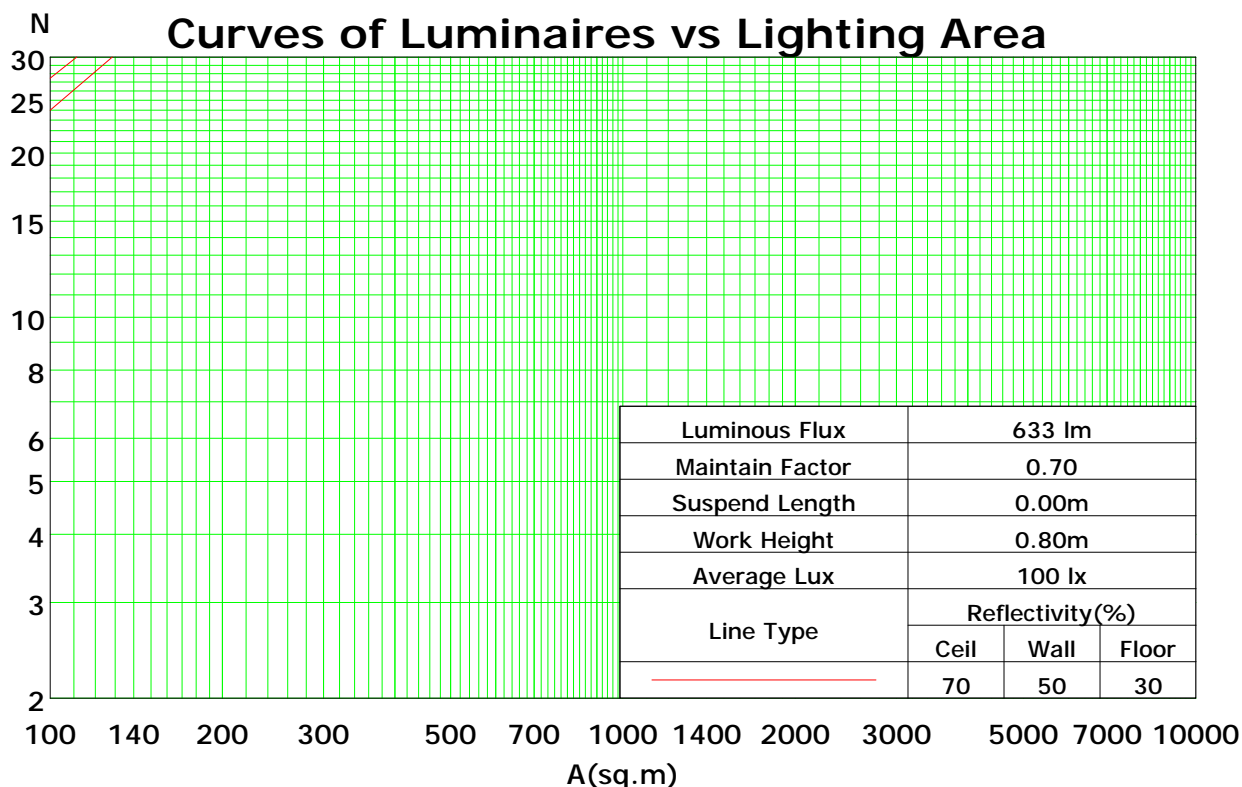
## Coefficients Of Utilization - Zonal Cavity Method

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	94	97	94	91	93	91	88	90	88	86	83
2	99	91	84	79	96	89	83	78	85	80	76	82	78	74	79	75	72	70
3	90	80	72	66	88	78	71	65	75	69	64	72	67	62	70	65	61	59
4	83	71	62	56	81	70	62	55	67	60	54	65	59	54	62	57	53	51
5	76	64	55	48	74	62	54	48	60	53	47	58	52	47	56	51	46	44
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	45	41	39
7	66	52	43	37	64	51	43	37	50	42	37	48	41	37	47	41	36	34
8	61	48	39	33	59	47	39	33	45	38	33	44	38	33	43	37	32	31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	54	40	33	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

Spacing Criteria (0-180): 1.20

Spacing Criteria (90-270): 1.18

Spacing Criteria (Diagonal): 1.31



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

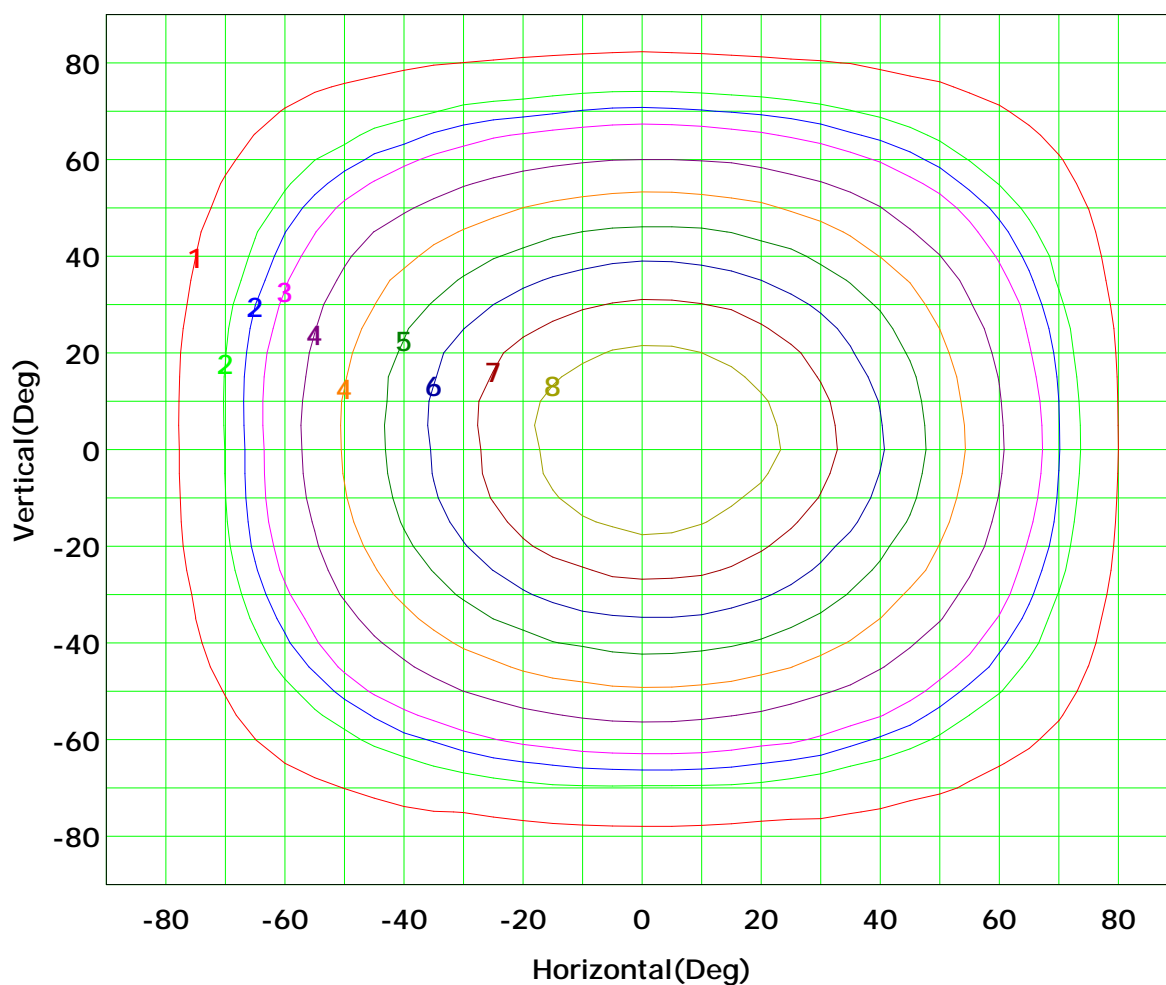
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

## Isocandela (rectangle)



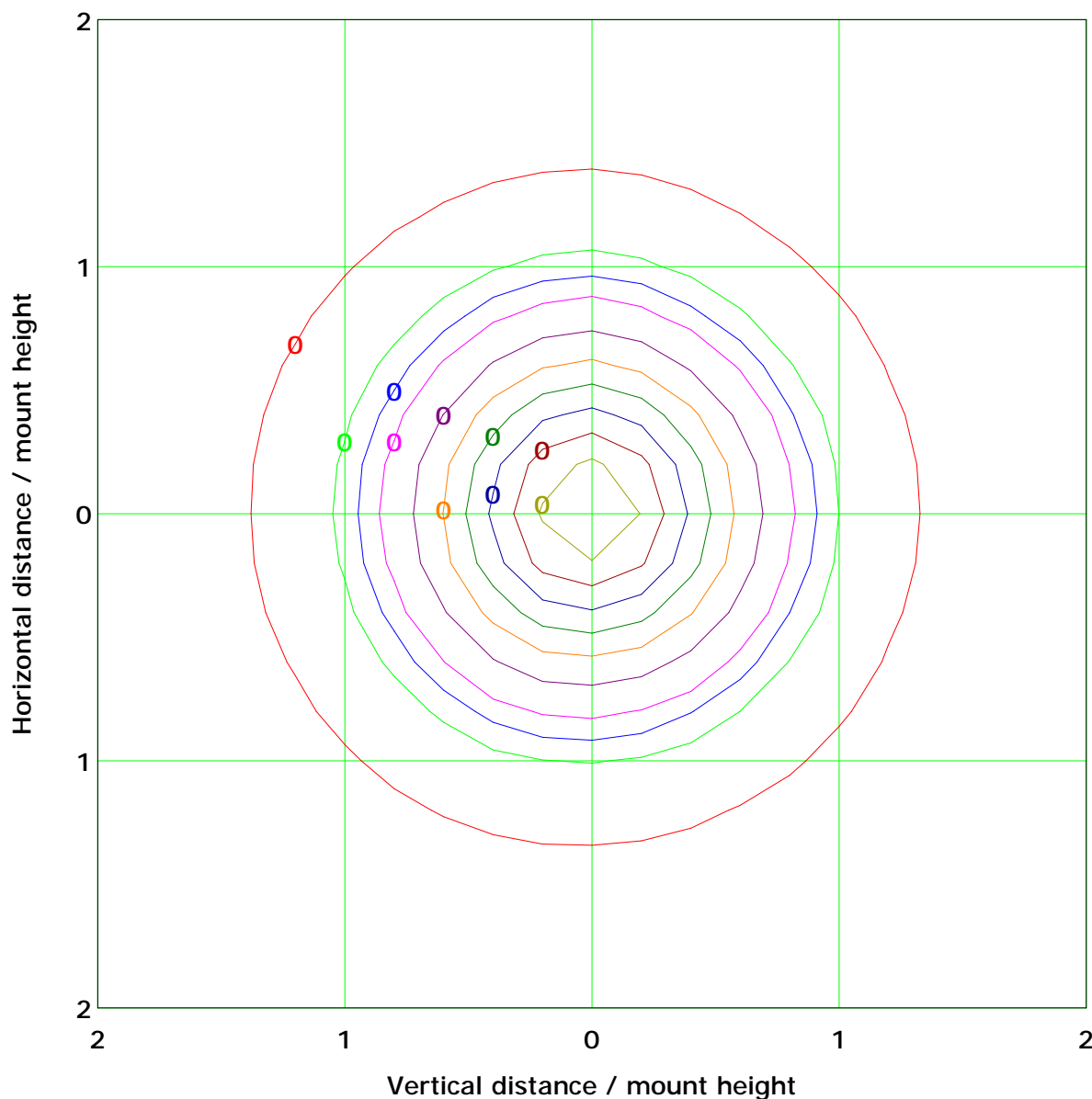
I<sub>max</sub> (100%): 9 cd

( 10%):	1 cd	( 20%):	2 cd
( 25%):	2 cd	( 30%):	3 cd
( 40%):	4 cd	( 50%):	4 cd
( 60%):	5 cd	( 70%):	6 cd
( 80%):	7 cd	( 90%):	8 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



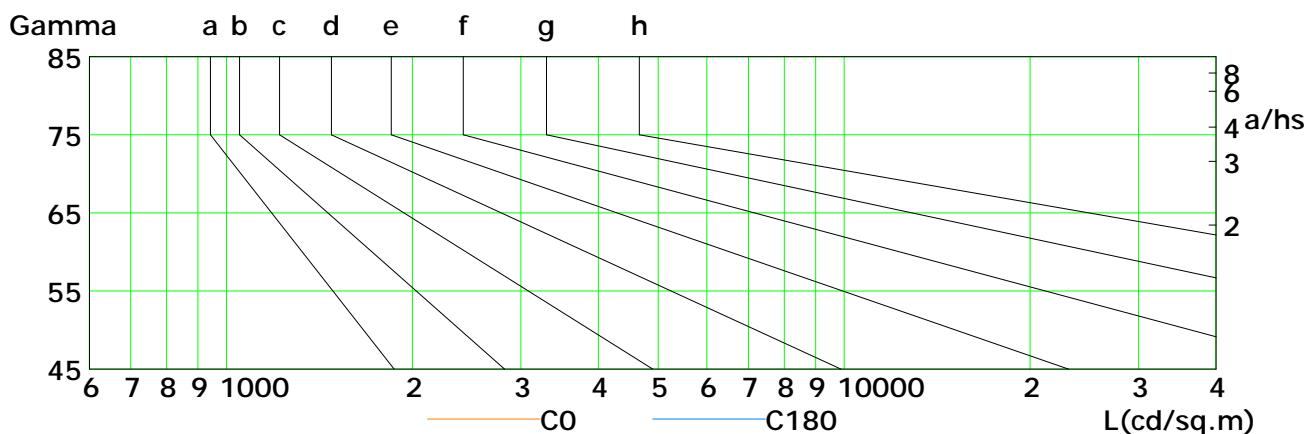
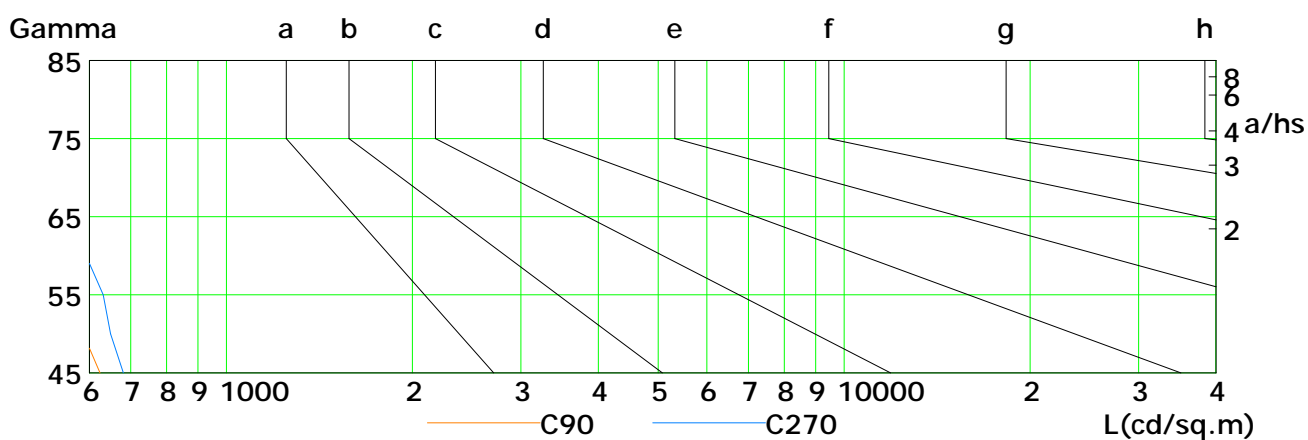
C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator: Jacky

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

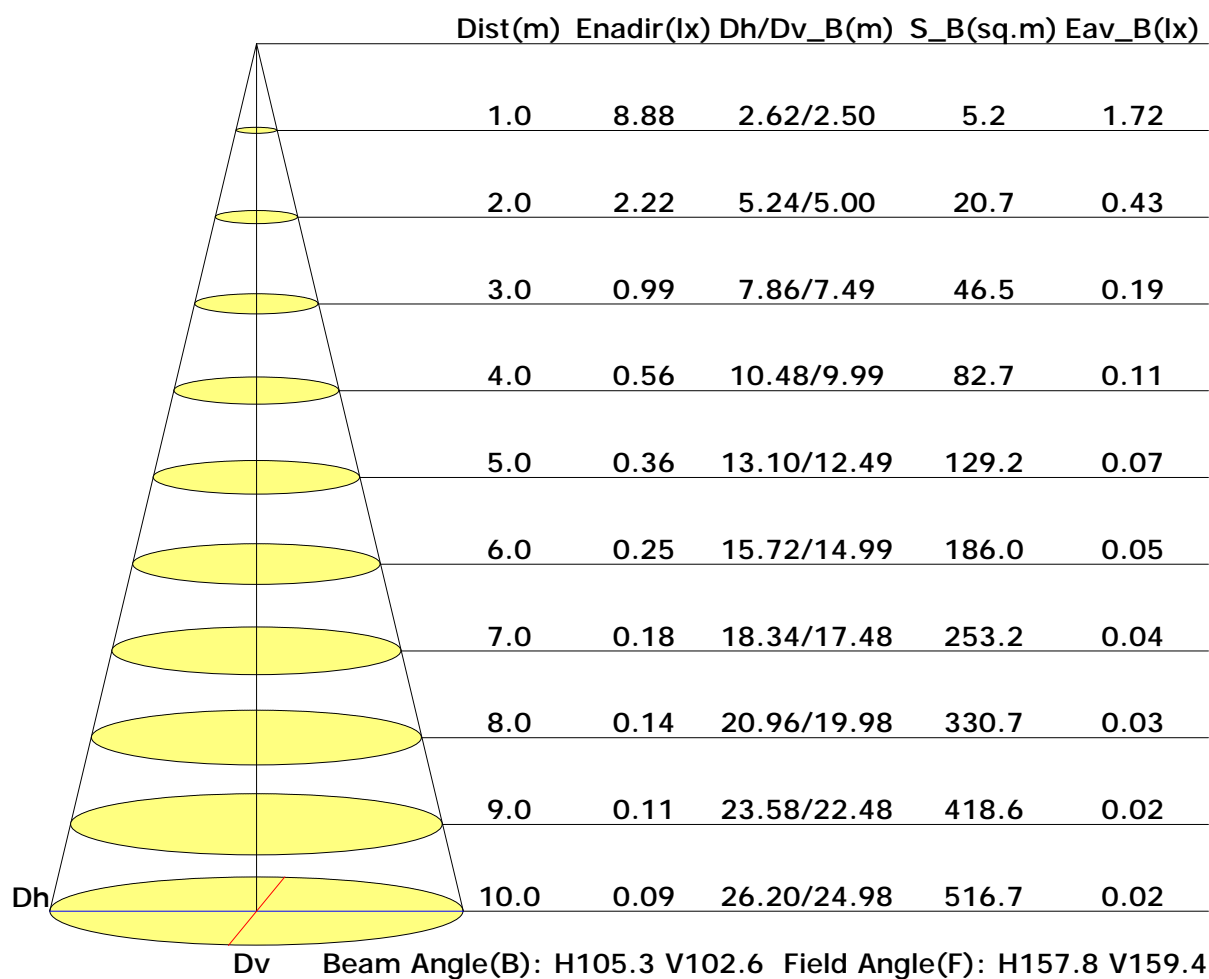


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	401	362	316	271	218	168	124	65	23
C90	624	586	558	508	461	390	354	238	101
C180	447	403	358	312	270	211	162	97	36
C270	681	650	632	593	566	528	466	417	341

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

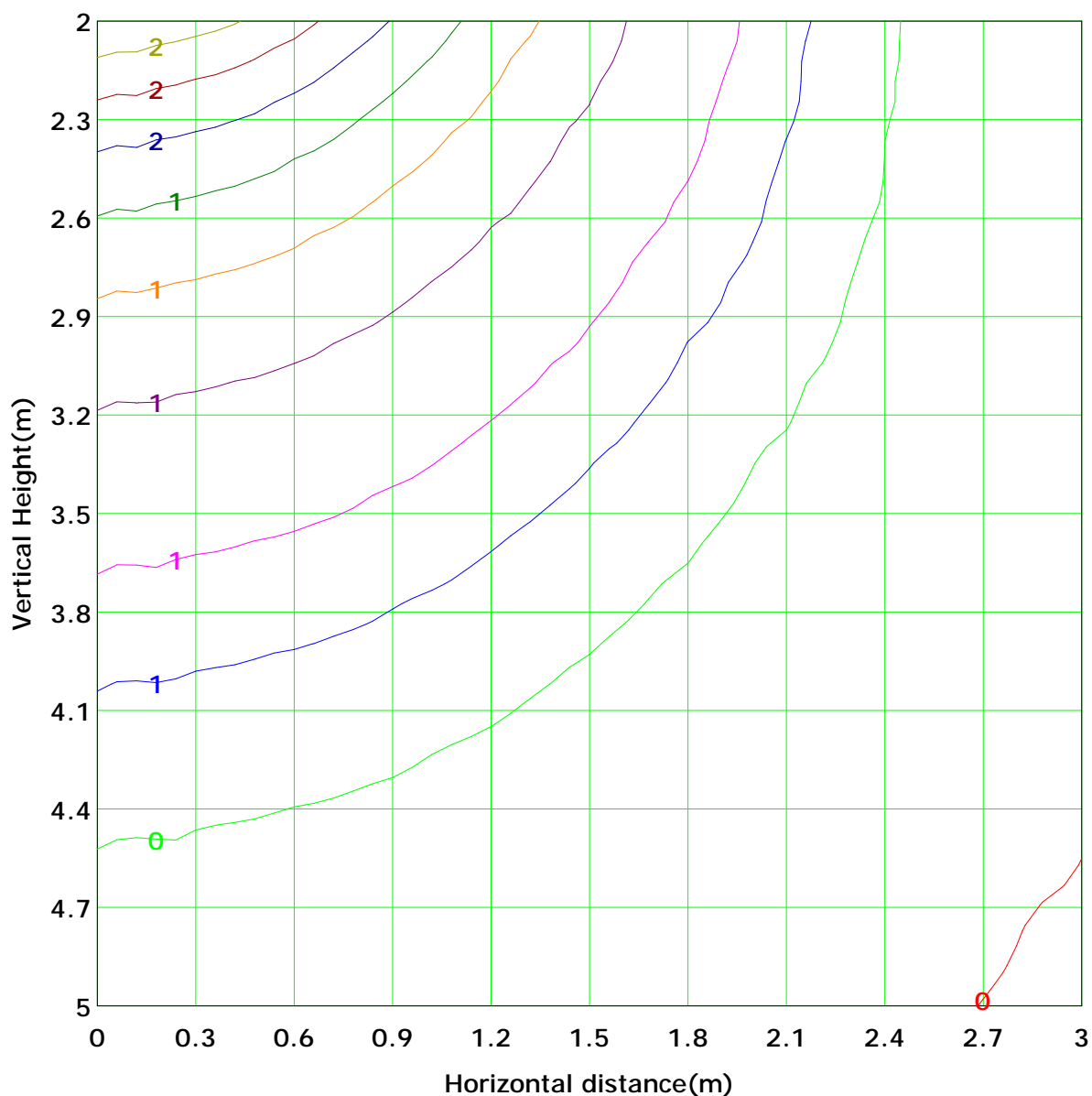


C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator: Jacky

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: 2.2 lx
( 10%): 0.2 lx	( 20%): 0.4 lx	
( 25%): 0.6 lx	( 30%): 0.7 lx	
( 40%): 0.9 lx	( 50%): 1.1 lx	
( 60%): 1.3 lx	( 70%): 1.6 lx	
( 80%): 1.8 lx	( 90%): 2.0 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

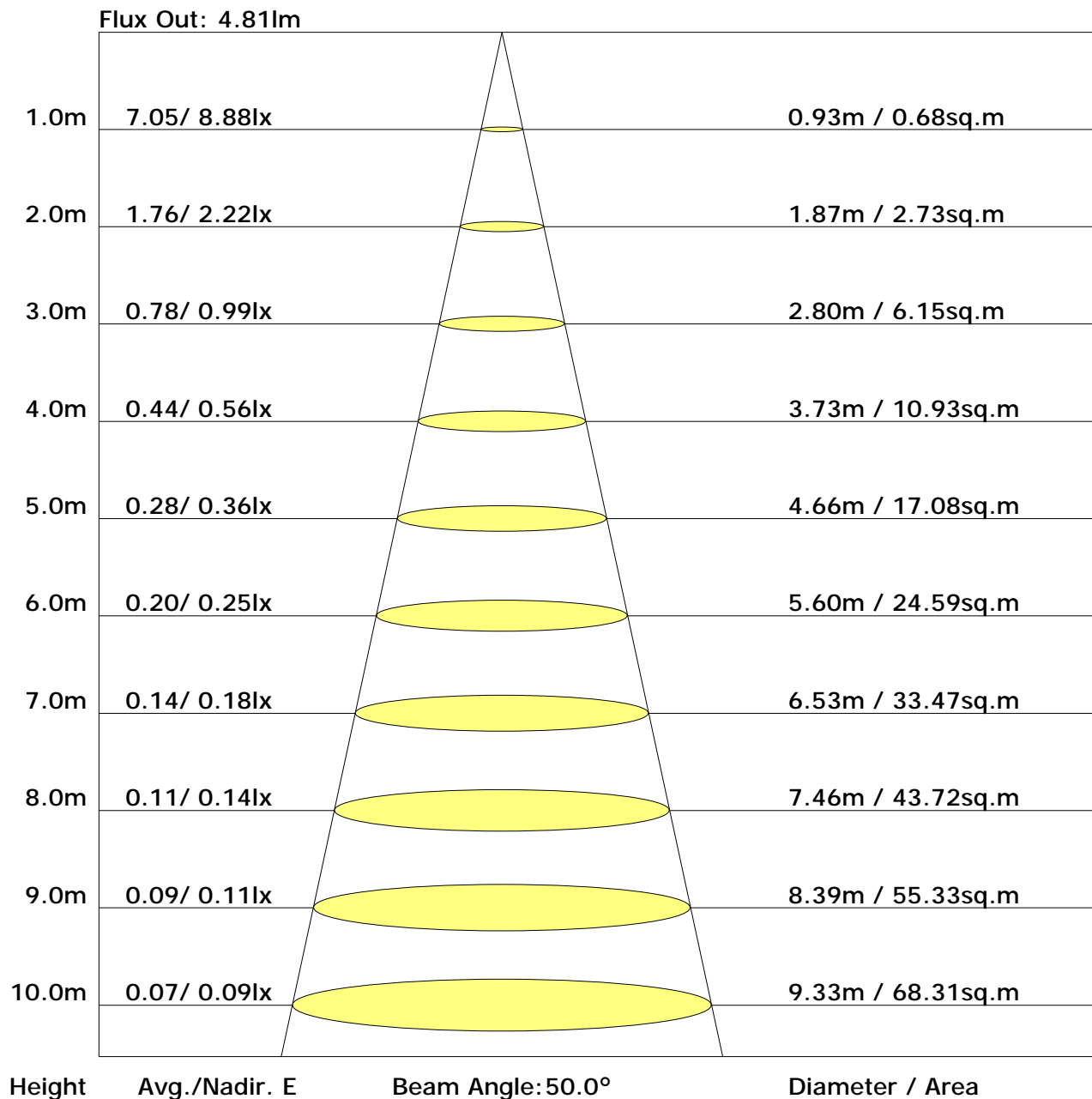
		Vertical plane																				
		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
Horizontal plane	-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	-80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	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	0.1	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	0.4	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	0.8	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	1.2	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	1.7	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	2.2	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	2.5	0.0
	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	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	2.7	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	2.4	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	2.1	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	1.6	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	1.1	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	0.7	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	0.3	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	0.1	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
																					23	23

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	22.1	23.6	22.4	24.0	24.3	20.4	22.0	20.8	22.4	22.7
3H	23.6	25.1	24.0	25.4	25.8	21.7	23.1	22.1	23.5	23.9
4H	24.1	25.5	24.6	25.9	26.3	22.1	23.4	22.5	23.8	24.2
6H	24.4	25.7	24.8	26.1	26.5	22.2	23.5	22.7	23.9	24.3
8H	24.5	25.7	24.9	26.1	26.5	22.3	23.5	22.7	23.9	24.3
12H	24.5	25.6	24.9	26.0	26.5	22.2	23.4	22.7	23.8	24.2
X=4H Y=2H	22.4	23.8	22.8	24.2	24.6	21.0	22.4	21.4	22.7	23.1
3H	24.2	25.3	24.6	25.7	26.2	22.4	23.6	22.9	24.0	24.4
4H	24.8	25.8	25.2	26.3	26.7	22.9	23.9	23.3	24.3	24.8
6H	25.2	26.1	25.6	26.5	27.0	23.1	24.0	23.6	24.5	25.0
8H	25.2	26.1	25.7	26.5	27.0	23.2	24.0	23.6	24.5	24.9
12H	25.3	26.0	25.8	26.5	27.0	23.2	23.9	23.7	24.4	24.9
X=8H Y=4H	24.9	25.8	25.4	26.2	26.7	23.1	23.9	23.6	24.4	24.9
6H	25.3	26.1	25.9	26.6	27.1	23.4	24.1	23.9	24.6	25.1
8H	25.5	26.1	26.0	26.6	27.1	23.5	24.1	24.0	24.6	25.1
12H	25.5	26.1	26.1	26.6	27.2	23.5	24.0	24.0	24.5	25.1
X=12H Y=4H	24.9	25.7	25.4	26.2	26.7	23.1	23.9	23.6	24.4	24.8
6H	25.4	26.0	25.9	26.5	27.0	23.4	24.0	24.0	24.5	25.1
8H	25.5	26.1	26.0	26.6	27.1	23.5	24.0	24.0	24.5	25.1

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	0.58	0.68	0.75	0.81	0.88	0.93	0.96	1.01	1.04
	0.30		0.50	0.61	0.68	0.74	0.82	0.87	0.91	0.97	1.00
	0.20		0.44	0.55	0.62	0.68	0.77	0.83	0.87	0.93	0.97
0.50	0.50	0.20	0.56	0.66	0.73	0.78	0.85	0.89	0.92	0.97	0.99
	0.30		0.49	0.59	0.66	0.72	0.79	0.85	0.88	0.93	0.96
	0.20		0.44	0.54	0.62	0.67	0.75	0.81	0.85	0.90	0.94
0.30	0.50	0.20	0.55	0.64	0.70	0.75	0.82	0.86	0.89	0.93	0.95
	0.30		0.48	0.58	0.65	0.70	0.77	0.82	0.85	0.90	0.93
	0.20		0.44	0.54	0.61	0.66	0.73	0.79	0.82	0.88	0.91
0.00	0.00	0.00	0.41	0.51	0.58	0.63	0.70	0.75	0.78	0.83	0.86
Rating: 4W 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	0.98	0.81	0.69	0.60	0.48	0.40	0.34	0.26	0.21	
	0.30		0.82	0.69	0.60	0.53	0.43	0.36	0.31	0.25	0.20	
	0.20		0.70	0.60	0.53	0.48	0.39	0.34	0.29	0.23	0.19	
0.50	0.50	0.20	0.94	0.78	0.66	0.57	0.46	0.41	0.32	0.25	0.20	
	0.30		0.80	0.67	0.58	0.51	0.42	0.35	0.30	0.24	0.19	
	0.20		0.69	0.59	0.52	0.46	0.38	0.32	0.28	0.22	0.19	
0.30	0.50	0.20	0.92	0.74	0.63	0.55	0.43	0.36	0.31	0.24	0.19	
	0.30		0.78	0.66	0.56	0.50	0.40	0.34	0.29	0.23	0.19	
	0.20		0.68	0.58	0.51	0.45	0.37	0.31	0.27	0.22	0.18	
0.00	0.00	0.00	0.58	0.49	0.42	0.37	0.30	0.25	0.21	0.17	0.14	
<p>Rating: 4W 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		0.05	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	0.19	0.19	0.20	0.20	0.21	0.21	0.22
	0.30		0.10	0.12	0.13	0.14	0.15	0.17	0.17	0.19	0.19
	0.20		0.05	0.07	0.09	0.10	0.12	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	0.13	0.14	0.15	0.16	0.17	0.18	0.19
	0.20		0.05	0.07	0.08	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: 4W 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	8.8	0.0	0.0	0.04	0.04
1.0-2.0	8.8	0.0	0.0	0.11	0.15
2.0-3.0	8.8	0.0	0.1	0.18	0.33
3.0-4.0	8.8	0.1	0.1	0.25	0.58
4.0-5.0	8.8	0.1	0.2	0.32	0.90
5.0-6.0	8.7	0.1	0.3	0.40	1.30
6.0-7.0	8.7	0.1	0.4	0.47	1.77
7.0-8.0	8.7	0.1	0.5	0.54	2.30
8.0-9.0	8.7	0.1	0.7	0.61	2.91
9.0-10.0	8.6	0.2	0.8	0.67	3.58
10.0-11.0	8.6	0.2	1.0	0.74	4.32
11.0-12.0	8.5	0.2	1.2	0.80	5.13
12.0-13.0	8.5	0.2	1.4	0.87	5.99
13.0-14.0	8.4	0.2	1.6	0.93	6.92
14.0-15.0	8.4	0.2	1.8	0.99	7.91
15.0-16.0	8.3	0.2	2.1	1.05	8.96
16.0-17.0	8.3	0.3	2.3	1.11	10.07
17.0-18.0	8.2	0.3	2.6	1.16	11.23
18.0-19.0	8.1	0.3	2.9	1.22	12.45
19.0-20.0	8.0	0.3	3.2	1.27	13.71
20.0-21.0	8.0	0.3	3.5	1.32	15.03
21.0-22.0	7.9	0.3	3.8	1.36	16.39
22.0-23.0	7.8	0.3	4.1	1.41	17.80
23.0-24.0	7.7	0.3	4.5	1.45	19.25
24.0-25.0	7.6	0.3	4.8	1.49	20.75
25.0-26.0	7.5	0.4	5.2	1.53	22.27
26.0-27.0	7.4	0.4	5.5	1.57	23.84
27.0-28.0	7.3	0.4	5.9	1.60	25.44
28.0-29.0	7.2	0.4	6.3	1.63	27.07
29.0-30.0	7.1	0.4	6.7	1.66	28.73
30.0-31.0	7.0	0.4	7.1	1.68	30.41
31.0-32.0	6.9	0.4	7.4	1.71	32.11
32.0-33.0	6.8	0.4	7.9	1.73	33.84
33.0-34.0	6.7	0.4	8.3	1.75	35.59
34.0-35.0	6.6	0.4	8.7	1.76	37.35
35.0-36.0	6.5	0.4	9.1	1.77	39.13

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	6.3	0.4	9.5	1.78	40.91
37.0-38.0	6.2	0.4	9.9	1.79	42.70
38.0-39.0	6.1	0.4	10.3	1.80	44.50
39.0-40.0	6.0	0.4	10.7	1.80	46.31
40.0-41.0	5.9	0.4	11.2	1.80	48.11
41.0-42.0	5.7	0.4	11.6	1.80	49.91
42.0-43.0	5.6	0.4	12.0	1.80	51.71
43.0-44.0	5.5	0.4	12.4	1.79	53.50
44.0-45.0	5.4	0.4	12.8	1.78	55.27
45.0-46.0	5.2	0.4	13.2	1.77	57.04
46.0-47.0	5.1	0.4	13.6	1.76	58.80
47.0-48.0	5.0	0.4	14.0	1.74	60.55
48.0-49.0	4.9	0.4	14.4	1.72	62.27
49.0-50.0	4.7	0.4	14.8	1.71	63.97
50.0-51.0	4.6	0.4	15.2	1.68	65.66
51.0-52.0	4.5	0.4	15.6	1.66	67.31
52.0-53.0	4.4	0.4	16.0	1.63	68.95
53.0-54.0	4.2	0.4	16.4	1.60	70.55
54.0-55.0	4.1	0.4	16.7	1.58	72.13
55.0-56.0	4.0	0.4	17.1	1.54	73.67
56.0-57.0	3.8	0.3	17.4	1.50	75.17
57.0-58.0	3.7	0.3	17.8	1.47	76.65
58.0-59.0	3.6	0.3	18.1	1.43	78.08
59.0-60.0	3.4	0.3	18.4	1.39	79.48
60.0-61.0	3.3	0.3	18.8	1.36	80.83
61.0-62.0	3.2	0.3	19.1	1.31	82.15
62.0-63.0	3.0	0.3	19.4	1.27	83.42
63.0-64.0	2.9	0.3	19.6	1.23	84.64
64.0-65.0	2.8	0.3	19.9	1.18	85.83
65.0-66.0	2.6	0.3	20.2	1.13	86.96
66.0-67.0	2.5	0.3	20.4	1.08	88.04
67.0-68.0	2.4	0.2	20.7	1.03	89.07
68.0-69.0	2.2	0.2	20.9	0.99	90.05
69.0-70.0	2.1	0.2	21.1	0.93	90.98
70.0-71.0	2.0	0.2	21.3	0.88	91.86
71.0-72.0	1.9	0.2	21.5	0.83	92.69

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	1.7	0.2	21.7	0.78	93.47
73.0-74.0	1.6	0.2	21.8	0.72	94.19
74.0-75.0	1.5	0.2	22.0	0.67	94.86
75.0-76.0	1.3	0.1	22.1	0.62	95.48
76.0-77.0	1.2	0.1	22.3	0.56	96.03
77.0-78.0	1.1	0.1	22.4	0.51	96.54
78.0-79.0	1.0	0.1	22.5	0.46	97.00
79.0-80.0	0.9	0.1	22.6	0.41	97.41
80.0-81.0	0.8	0.1	22.7	0.36	97.77
81.0-82.0	0.7	0.1	22.8	0.31	98.08
82.0-83.0	0.6	0.1	22.8	0.26	98.34
83.0-84.0	0.5	0.1	22.9	0.22	98.57
84.0-85.0	0.4	0.0	22.9	0.18	98.75
85.0-86.0	0.3	0.0	22.9	0.14	98.89
86.0-87.0	0.2	0.0	23.0	0.10	98.99
87.0-88.0	0.2	0.0	23.0	0.07	99.06
88.0-89.0	0.1	0.0	23.0	0.05	99.11
89.0-90.0	0.1	0.0	23.0	0.03	99.14
90.0-91.0	0.0	0.0	23.0	0.01	99.15
91.0-92.0	0.0	0.0	23.0	0.01	99.16
92.0-93.0	0.0	0.0	23.0	0.01	99.17
93.0-94.0	0.0	0.0	23.0	0.00	99.17
94.0-95.0	0.0	0.0	23.0	0.00	99.17
95.0-96.0	0.0	0.0	23.0	0.00	99.18
96.0-97.0	0.0	0.0	23.0	0.00	99.18
97.0-98.0	0.0	0.0	23.0	0.00	99.18
98.0-99.0	0.0	0.0	23.0	0.01	99.19
99.0-100.0	0.0	0.0	23.0	0.01	99.20
100.0-101.0	0.0	0.0	23.0	0.01	99.20
101.0-102.0	0.0	0.0	23.0	0.01	99.21
102.0-103.0	0.0	0.0	23.0	0.01	99.22
103.0-104.0	0.0	0.0	23.0	0.01	99.23
104.0-105.0	0.0	0.0	23.0	0.01	99.24
105.0-106.0	0.0	0.0	23.0	0.01	99.25
106.0-107.0	0.0	0.0	23.0	0.01	99.26
107.0-108.0	0.0	0.0	23.0	0.01	99.27

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	23.0	0.01	99.28
109.0-110.0	0.0	0.0	23.0	0.01	99.29
110.0-111.0	0.0	0.0	23.0	0.01	99.30
111.0-112.0	0.0	0.0	23.0	0.01	99.31
112.0-113.0	0.0	0.0	23.0	0.01	99.32
113.0-114.0	0.0	0.0	23.0	0.01	99.33
114.0-115.0	0.0	0.0	23.0	0.01	99.34
115.0-116.0	0.0	0.0	23.0	0.01	99.35
116.0-117.0	0.0	0.0	23.1	0.01	99.37
117.0-118.0	0.0	0.0	23.1	0.01	99.38
118.0-119.0	0.0	0.0	23.1	0.01	99.39
119.0-120.0	0.0	0.0	23.1	0.01	99.40
120.0-121.0	0.0	0.0	23.1	0.01	99.41
121.0-122.0	0.0	0.0	23.1	0.01	99.42
122.0-123.0	0.0	0.0	23.1	0.01	99.43
123.0-124.0	0.0	0.0	23.1	0.01	99.44
124.0-125.0	0.0	0.0	23.1	0.02	99.46
125.0-126.0	0.0	0.0	23.1	0.02	99.48
126.0-127.0	0.0	0.0	23.1	0.02	99.49
127.0-128.0	0.0	0.0	23.1	0.02	99.51
128.0-129.0	0.0	0.0	23.1	0.01	99.52
129.0-130.0	0.0	0.0	23.1	0.01	99.53
130.0-131.0	0.0	0.0	23.1	0.01	99.55
131.0-132.0	0.0	0.0	23.1	0.02	99.56
132.0-133.0	0.0	0.0	23.1	0.01	99.58
133.0-134.0	0.0	0.0	23.1	0.01	99.59
134.0-135.0	0.0	0.0	23.1	0.01	99.61
135.0-136.0	0.0	0.0	23.1	0.02	99.62
136.0-137.0	0.1	0.0	23.1	0.02	99.64
137.0-138.0	0.0	0.0	23.1	0.01	99.65
138.0-139.0	0.0	0.0	23.1	0.01	99.67
139.0-140.0	0.0	0.0	23.1	0.01	99.68
140.0-141.0	0.0	0.0	23.1	0.01	99.69
141.0-142.0	0.0	0.0	23.1	0.01	99.71
142.0-143.0	0.1	0.0	23.1	0.01	99.72
143.0-144.0	0.0	0.0	23.1	0.01	99.74

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	0.0	0.0	23.1	0.01	99.75
145.0-146.0	0.0	0.0	23.1	0.01	99.76
146.0-147.0	0.0	0.0	23.1	0.01	99.77
147.0-148.0	0.0	0.0	23.1	0.01	99.78
148.0-149.0	0.0	0.0	23.2	0.01	99.79
149.0-150.0	0.0	0.0	23.2	0.01	99.80
150.0-151.0	0.0	0.0	23.2	0.01	99.81
151.0-152.0	0.0	0.0	23.2	0.01	99.82
152.0-153.0	0.0	0.0	23.2	0.01	99.83
153.0-154.0	0.1	0.0	23.2	0.01	99.84
154.0-155.0	0.0	0.0	23.2	0.01	99.85
155.0-156.0	0.1	0.0	23.2	0.01	99.86
156.0-157.0	0.1	0.0	23.2	0.01	99.87
157.0-158.0	0.1	0.0	23.2	0.01	99.88
158.0-159.0	0.1	0.0	23.2	0.01	99.89
159.0-160.0	0.1	0.0	23.2	0.01	99.90
160.0-161.0	0.1	0.0	23.2	0.01	99.91
161.0-162.0	0.1	0.0	23.2	0.01	99.92
162.0-163.0	0.1	0.0	23.2	0.01	99.93
163.0-164.0	0.1	0.0	23.2	0.01	99.94
164.0-165.0	0.1	0.0	23.2	0.01	99.95
165.0-166.0	0.0	0.0	23.2	0.01	99.95
166.0-167.0	0.1	0.0	23.2	0.01	99.96
167.0-168.0	0.1	0.0	23.2	0.01	99.97
168.0-169.0	0.1	0.0	23.2	0.01	99.97
169.0-170.0	0.1	0.0	23.2	0.00	99.98
170.0-171.0	0.1	0.0	23.2	0.00	99.98
171.0-172.0	0.1	0.0	23.2	0.01	99.99
172.0-173.0	0.1	0.0	23.2	0.00	99.99
173.0-174.0	0.0	0.0	23.2	0.00	99.99
174.0-175.0	0.1	0.0	23.2	0.00	99.99
175.0-176.0	0.1	0.0	23.2	0.00	100.00
176.0-177.0	0.1	0.0	23.2	0.00	100.00
177.0-178.0	0.1	0.0	23.2	0.00	100.00
178.0-179.0	0.0	0.0	23.2	0.00	100.00
179.0-180.0	0.1	0.0	23.2	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: