

Report No.:

Test Time: 2022/11/29 16:55

## Luminaire Property

Luminaire Manufacturer: Acolyte

Luminaire Category: Neon Contour

Luminaire Description: Neon Contour RGB-Red only

Lamp Catalog: NLC3.0RGB-Red only

Luminous Length (mm): 1000

Luminous Height (mm): 17

Current: 0.135 A

Power Factor: 1.000

Number of Lamps: 1

Luminous Width (mm): 08

Voltage: 24.0 V

Power: 3.23 W

## Photometric Results

CIE Class: Semi-Direct

Measurement Flux: 36.7 lm

Downward Ratio: 79%

Horizontal Diffuse Angle(10%,50%): H161.6,H106

Vertical Diffuse Angle(10%,50%): V303.1,V181.8

Luminaire Efficacy Rating (LER): 11

Max. Intensity: 7.62 cd

Total Rated Lamp Lumens: 36.7 lm

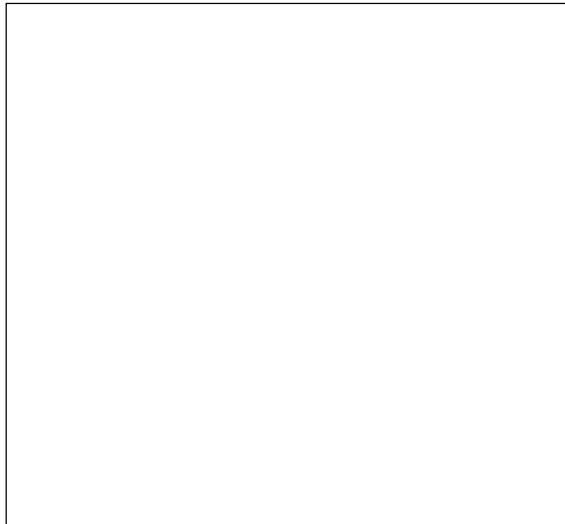
Efficiency: 100%

Upward Ratio: 21%

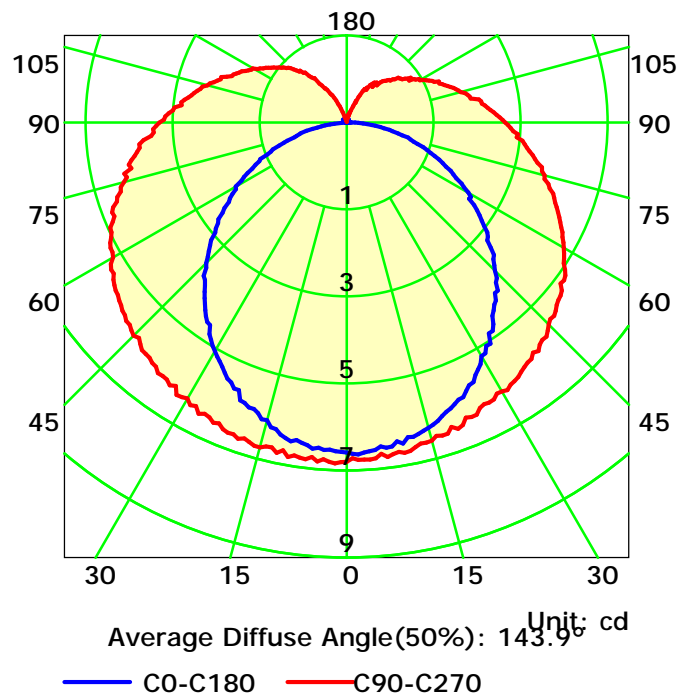
Central Intensity: 7.34 cd

Pos of Max. Intensity: H120 V4

Picture Of Luminaire



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

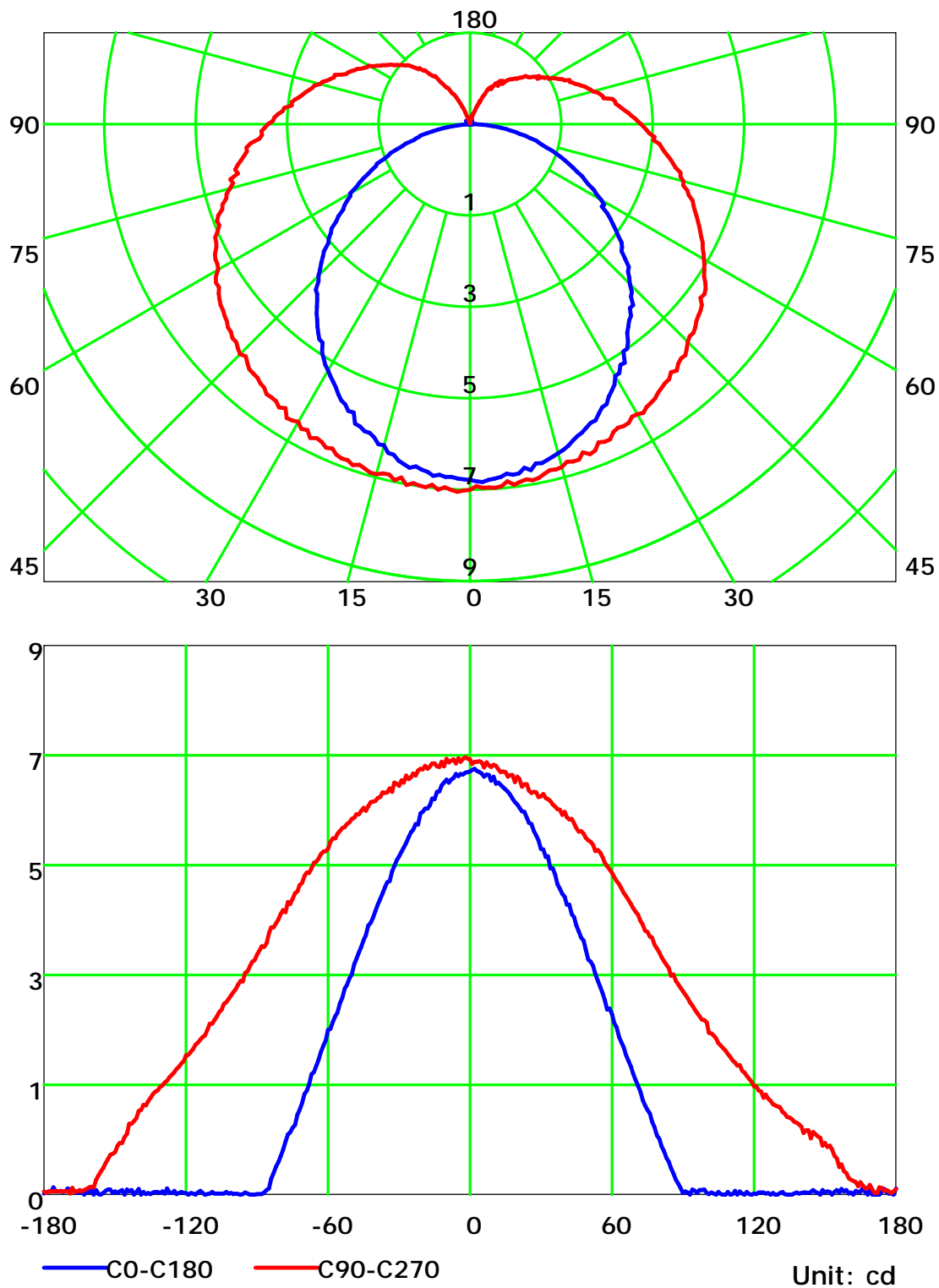
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

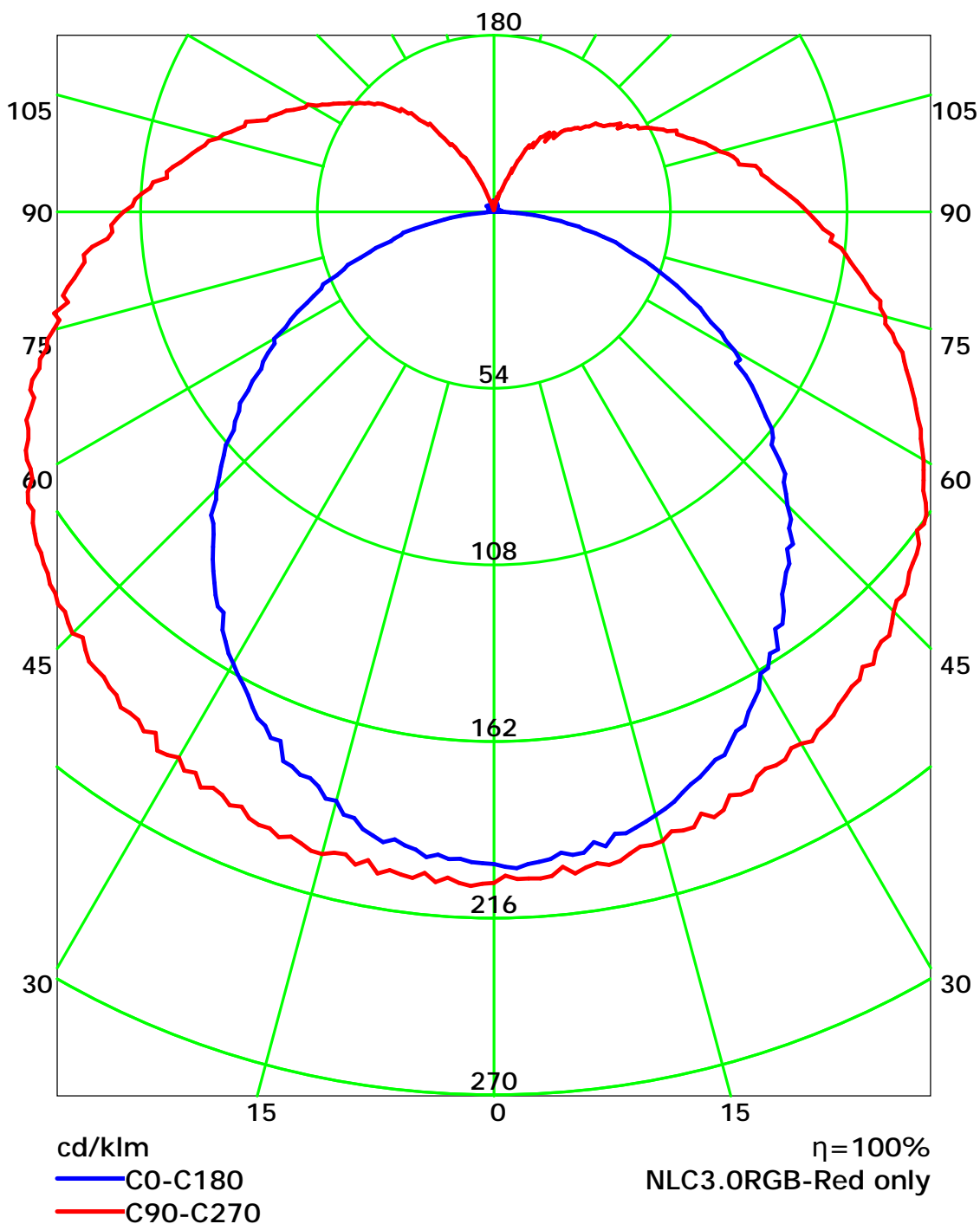
## Luminous Intensity Distribution Curve



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:

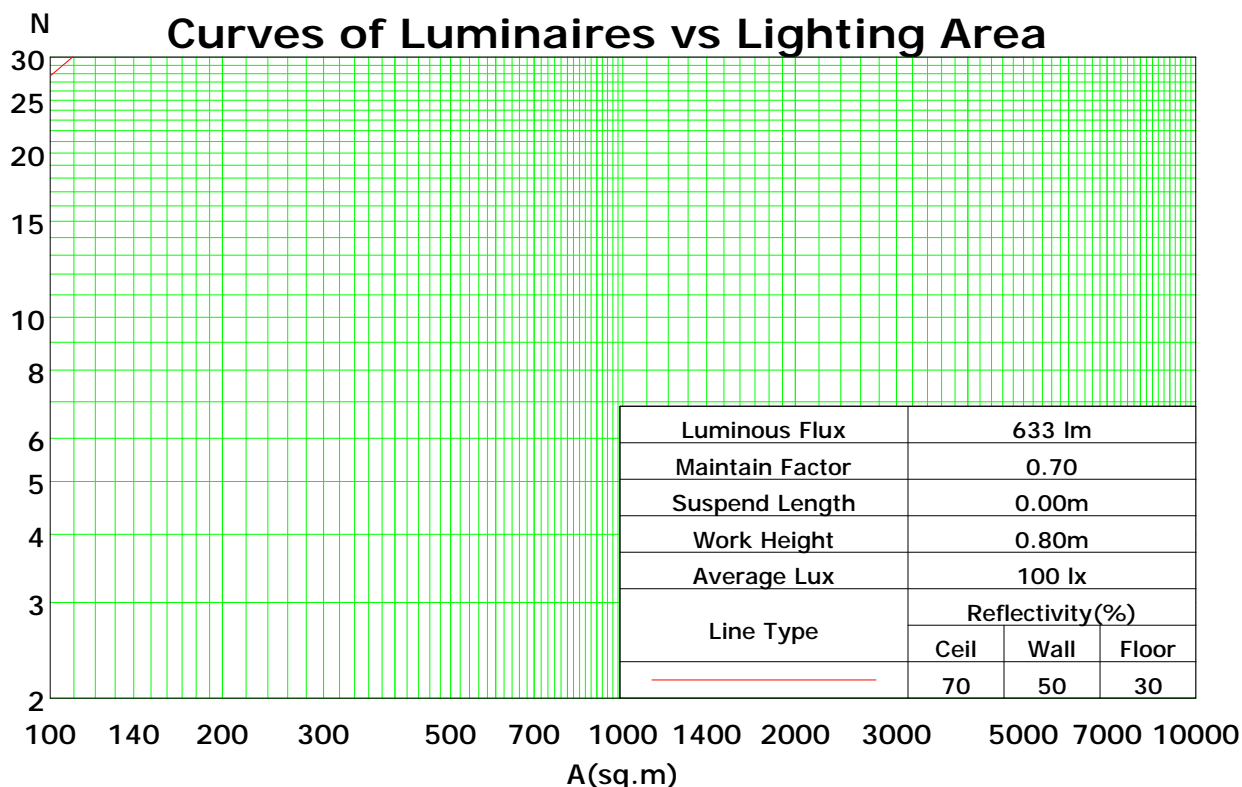
## Coefficients Of Utilization - Zonal Cavity Method

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	114	114	114	114	109	109	109	109	99	99	99	91	91	91	83	83	83	79
1	101	95	89	84	96	90	85	81	82	78	74	74	71	68	67	65	63	59
2	90	81	73	66	86	77	70	64	70	64	59	63	59	55	57	54	50	47
3	82	70	61	54	77	67	58	52	61	54	48	55	49	45	50	45	41	38
4	74	61	52	45	70	59	50	43	53	46	40	48	42	38	44	39	35	32
5	68	54	45	38	64	52	43	37	47	40	34	43	37	32	39	34	30	27
6	63	49	39	33	59	47	38	32	43	35	30	39	33	28	35	30	26	23
7	58	44	35	28	55	42	34	28	39	31	26	35	29	24	32	27	23	20
8	54	40	31	25	51	38	30	24	35	28	23	32	26	22	30	24	20	18
9	50	36	28	22	48	35	27	22	32	25	21	30	24	19	27	22	18	16
10	47	33	25	20	45	32	25	20	30	23	18	27	22	17	25	20	16	15

Spacing Criteria (0-180): 1.21

Spacing Criteria (90-270): 1.40

Spacing Criteria (Diagonal): 1.47



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

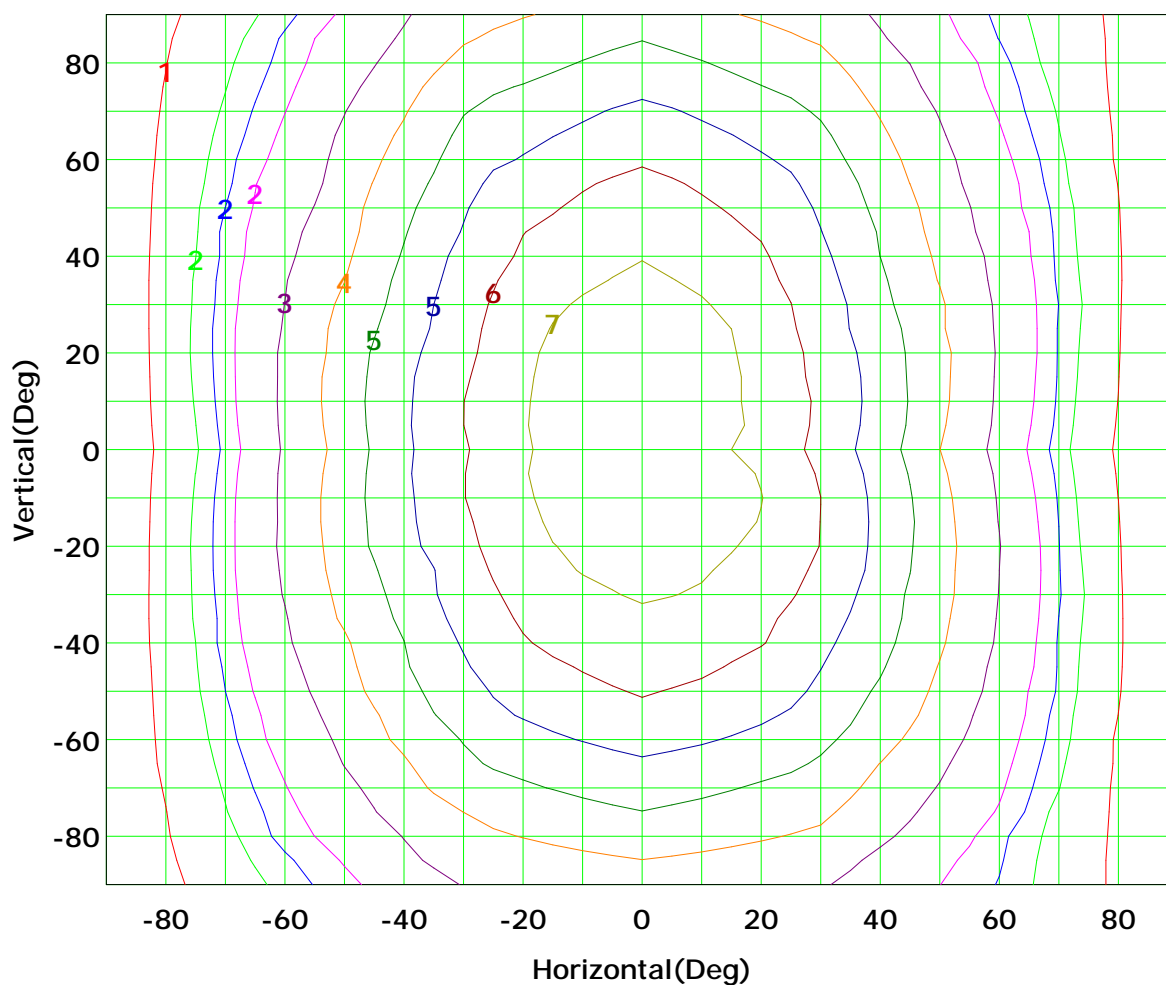
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

## Isocandela (rectangle)



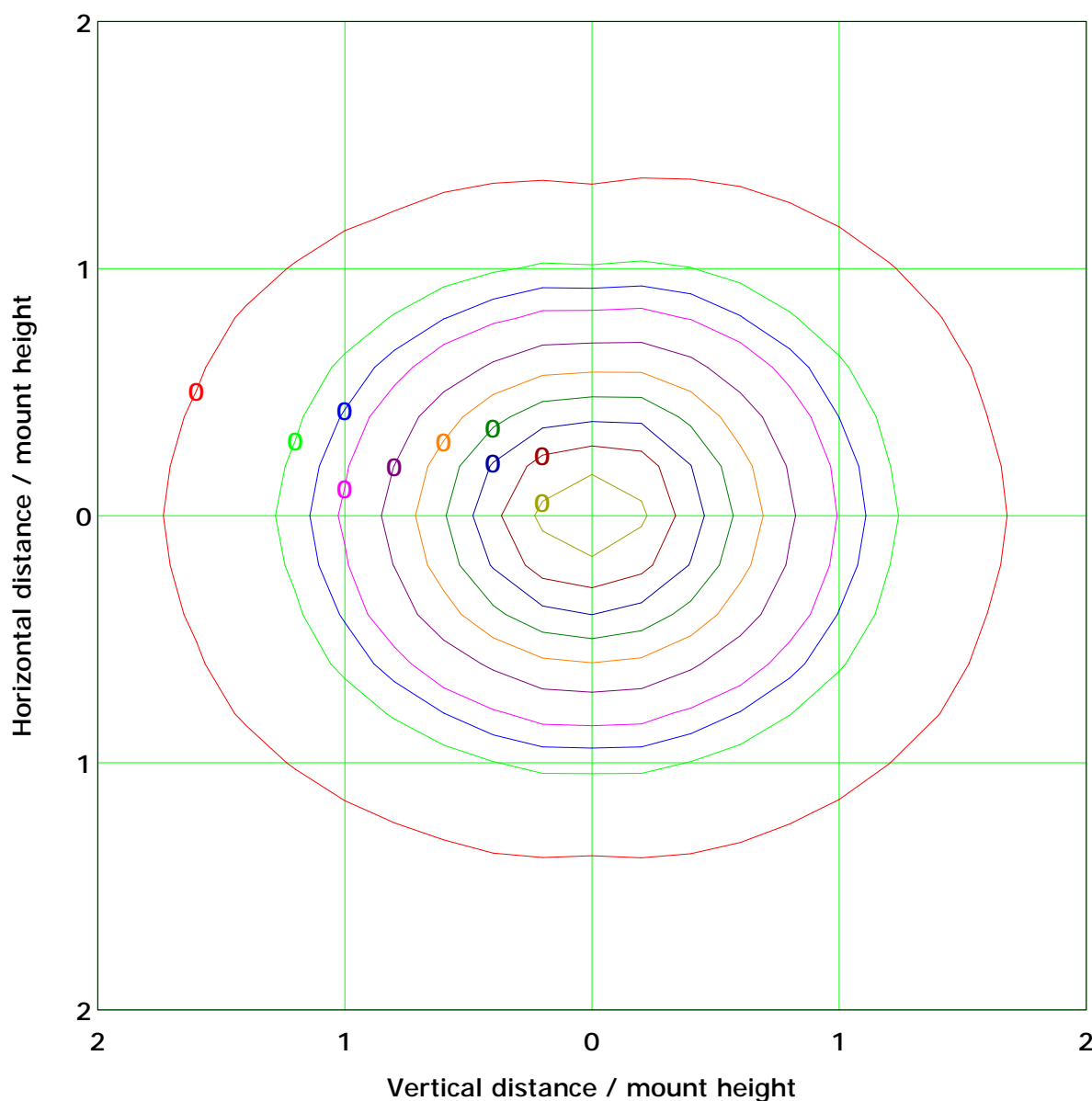
I<sub>max</sub> (100%): 8 cd

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



Mounting Height: 5.0m Max Lux(100%): 0.3 lx

( 10%): 0.0 lx	( 20%): 0.1 lx
( 25%): 0.1 lx	( 30%): 0.1 lx
( 40%): 0.1 lx	( 50%): 0.2 lx
( 60%): 0.2 lx	( 70%): 0.2 lx
( 80%): 0.2 lx	( 90%): 0.3 lx

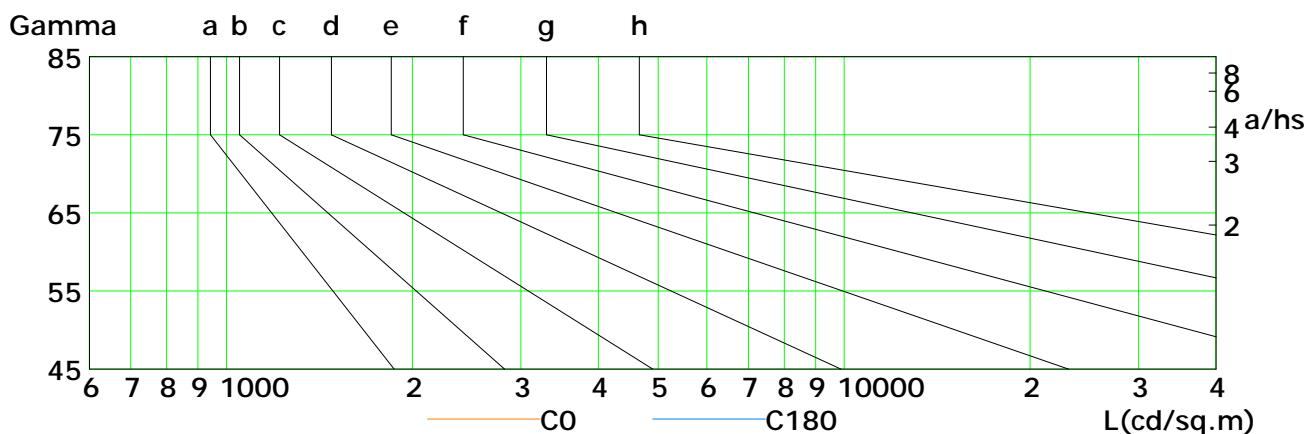
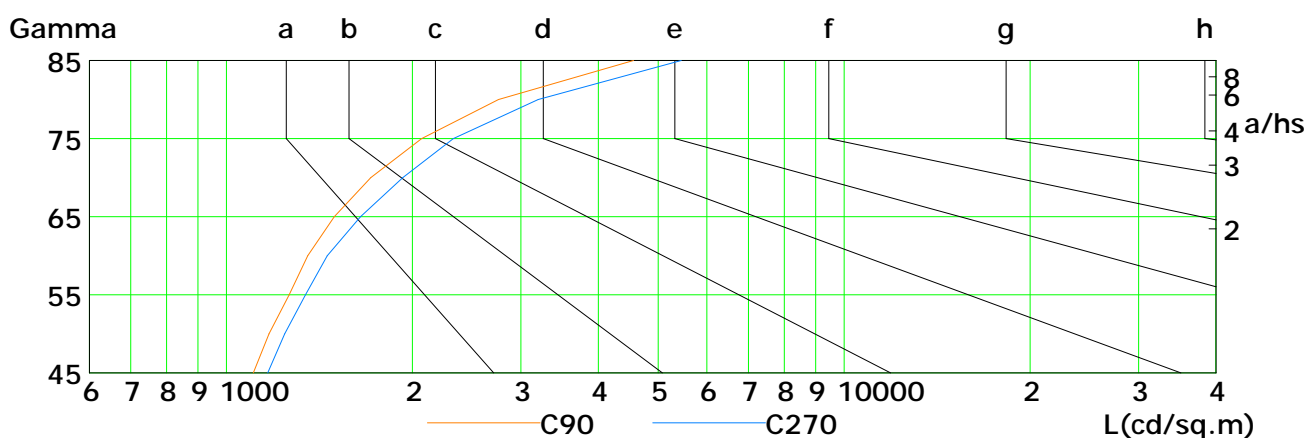
C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator: Jacky

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

## 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

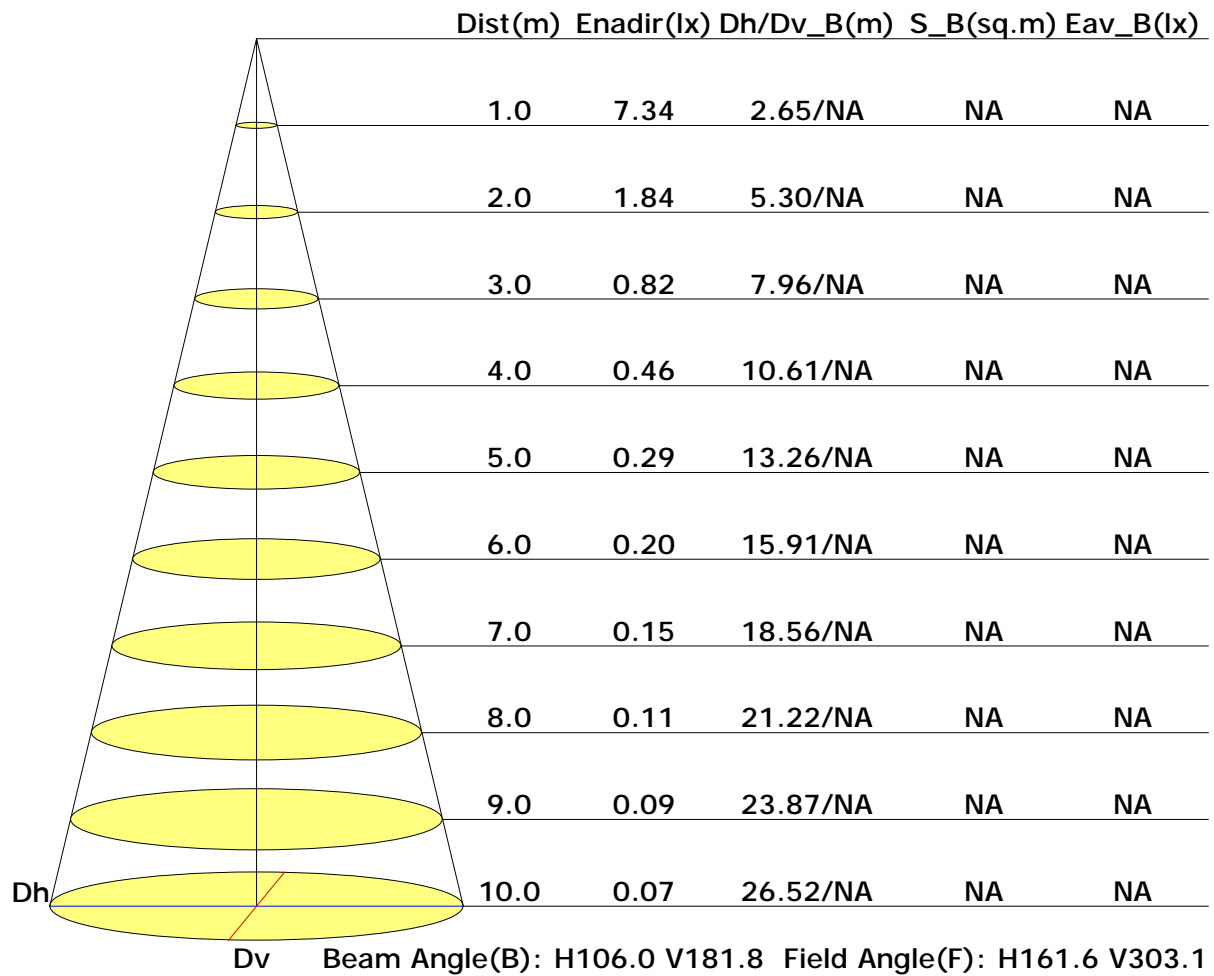


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	264	225	195	167	136	106	79	53	26
C90	1106	1172	1264	1355	1495	1714	2071	2757	4563
C180	250	210	179	153	119	94	63	37	6
C270	1166	1243	1343	1457	1649	1931	2330	3197	5452

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

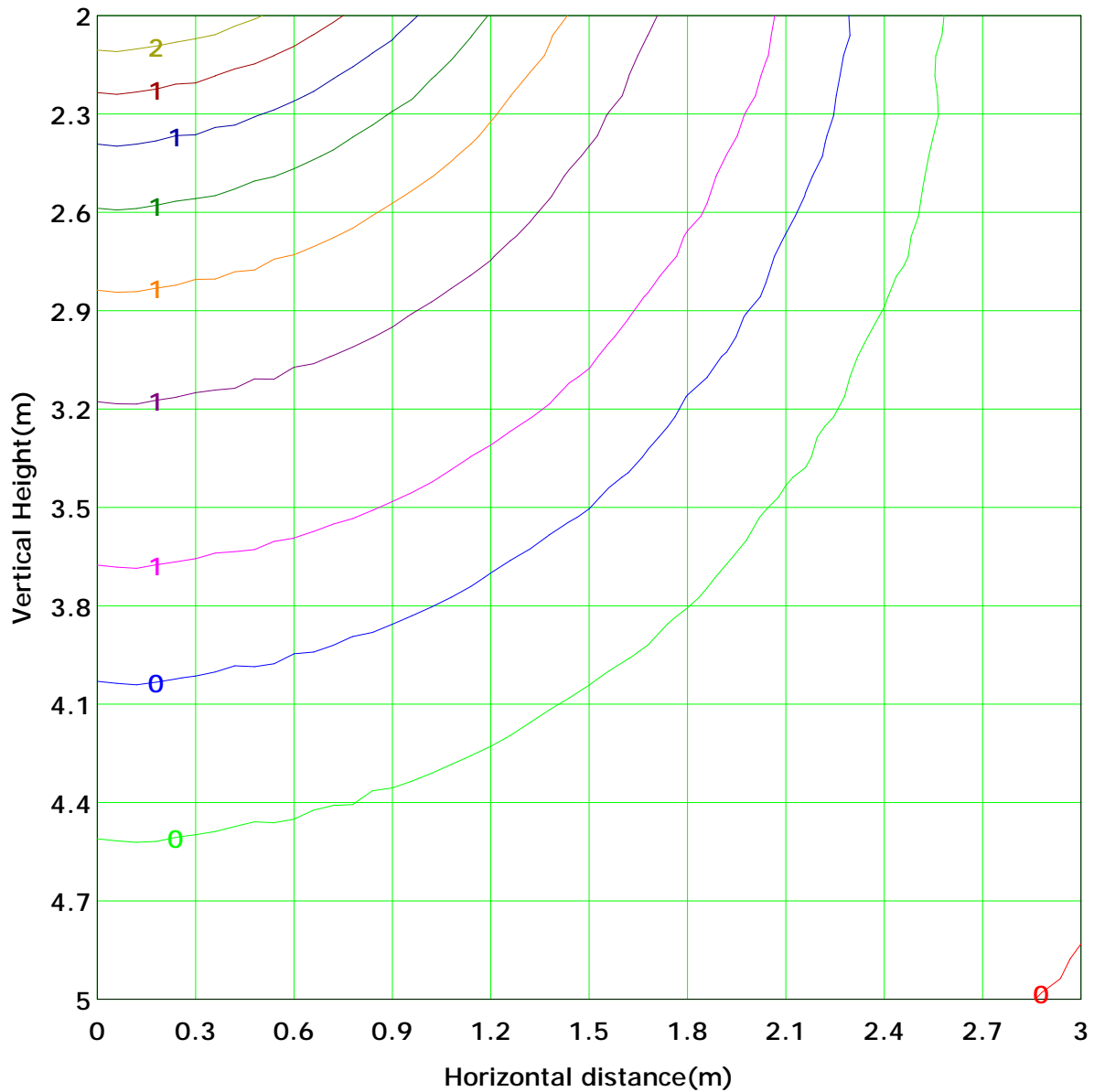
Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 9.028 m  
Humidity: 60%  
Inspector:

## Illuminance at a Distance





## Vertical IsoLux Plot



Lowest(m): 2.0m	Highest(m): 5.0m	Max Lux: 1.8 lx
( 10%): 0.2 lx	( 20%): 0.4 lx	( 30%): 0.6 lx
( 25%): 0.5 lx	( 40%): 0.7 lx	( 50%): 0.9 lx
( 60%): 1.1 lx	( 70%): 1.3 lx	( 80%): 1.5 lx
( 90%): 1.7 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

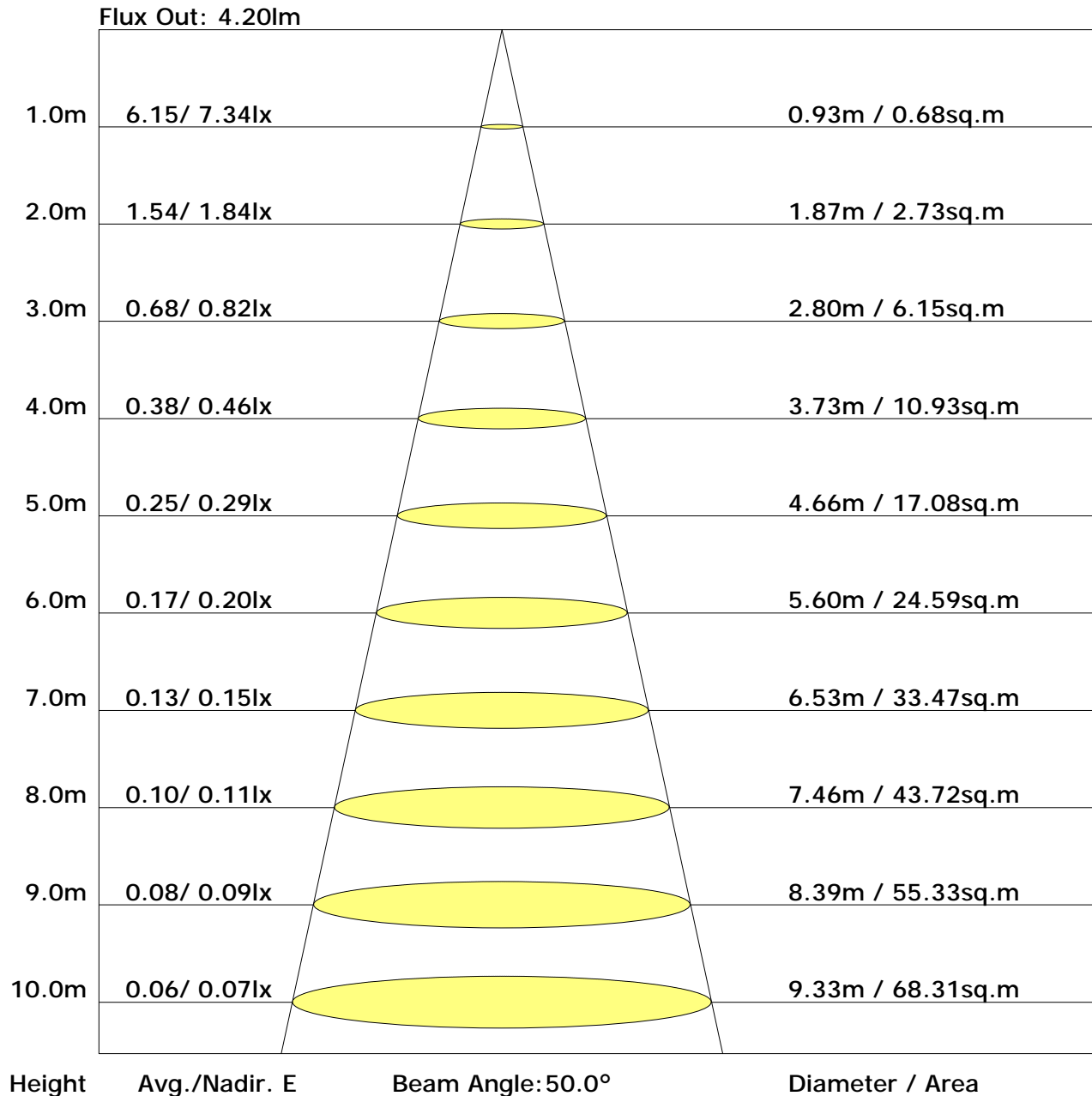
		Vertical plane																				
		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
Horizontal plane	-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	-80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.5	1.0	1.5	2.1	2.7	3.1	3.3	3.3	3.1	2.7	2.1	1.5	1.0	0.5	0.2	0.0	0.0	29	29
	Flux(E)	0.0	0.2	0.5	1.0	1.5	2.1	2.7	3.1	3.3	3.3	3.1	2.7	2.1	1.5	1.0	0.5	0.2	0.0	0.0	29	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:



## 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	18.1	19.5	18.8	20.1	20.9	18.4	19.7	19.0	20.4	21.2
3H	20.1	21.4	20.8	22.1	22.9	20.6	21.8	21.3	22.5	23.3
4H	21.0	22.1	21.6	22.8	23.6	21.6	22.8	22.3	23.5	24.3
6H	21.6	22.7	22.3	23.4	24.3	22.6	23.7	23.3	24.4	25.3
8H	21.9	22.9	22.6	23.7	24.5	23.1	24.1	23.8	24.9	25.7
12H	22.1	23.1	22.8	23.8	24.7	23.5	24.5	24.2	25.3	26.1
X=4H Y=2H	18.8	19.9	19.5	20.6	21.5	19.0	20.1	19.7	20.8	21.7
3H	21.0	22.0	21.6	22.7	23.5	21.5	22.5	22.2	23.2	24.1
4H	21.9	22.8	22.6	23.6	24.5	22.7	23.6	23.4	24.3	25.2
6H	22.8	23.6	23.5	24.3	25.2	23.9	24.7	24.6	25.4	26.3
8H	23.1	23.9	23.8	24.6	25.5	24.4	25.2	25.1	25.9	26.8
12H	23.3	24.0	24.1	24.8	25.7	24.9	25.7	25.7	26.4	27.3
X=8H Y=4H	22.4	23.2	23.2	24.0	24.9	23.1	23.8	23.8	24.6	25.5
6H	23.4	24.1	24.2	24.9	25.8	24.4	25.1	25.2	25.9	26.8
8H	23.9	24.5	24.7	25.3	26.2	25.2	25.8	25.9	26.6	27.5
12H	24.3	24.8	25.0	25.6	26.6	25.9	26.4	26.6	27.2	28.2
X=12H Y=4H	22.5	23.3	23.3	24.0	24.9	23.1	23.8	23.9	24.6	25.5
6H	23.7	24.3	24.4	25.0	26.0	24.6	25.2	25.4	26.0	26.9
8H	24.2	24.7	24.9	25.5	26.5	25.4	25.9	26.1	26.7	27.6

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 = 1.50									
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	0.48	0.56	0.63	0.68	0.75	0.80	0.83	0.88	0.92	
	0.30		0.40	0.47	0.55	0.60	0.67	0.73	0.77	0.83	0.87	
	0.20		0.34	0.41	0.48	0.54	0.62	0.67	0.72	0.78	0.83	
0.50	0.50	0.20	0.44	0.51	0.57	0.62	0.68	0.73	0.76	0.80	0.83	
	0.30		0.37	0.44	0.51	0.55	0.62	0.67	0.71	0.76	0.80	
	0.20		0.32	0.39	0.45	0.50	0.57	0.63	0.67	0.72	0.76	
0.30	0.50	0.20	0.41	0.47	0.53	0.57	0.62	0.66	0.69	0.73	0.76	
	0.30		0.35	0.41	0.47	0.51	0.57	0.62	0.65	0.70	0.73	
	0.20		0.31	0.37	0.43	0.47	0.53	0.58	0.62	0.67	0.70	
0.00	0.00	0.00	0.27	0.32	0.37	0.41	0.46	0.50	0.54	0.58	0.61	
Rating: 3W 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 = 1.50									
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	0.88	0.76	0.68	0.56	0.48	0.42	0.34	0.28	
	0.30		0.85	0.75	0.67	0.60	0.51	0.44	0.39	0.32	0.27	
	0.20		0.73	0.66	0.59	0.54	0.46	0.41	0.36	0.30	0.26	
0.50	0.50	0.20	0.93	0.81	0.70	0.63	0.52	0.47	0.39	0.31	0.26	
	0.30		0.79	0.70	0.62	0.56	0.47	0.41	0.36	0.30	0.25	
	0.20		0.69	0.62	0.56	0.51	0.44	0.38	0.34	0.28	0.24	
0.30	0.50	0.20	0.87	0.75	0.65	0.58	0.48	0.41	0.36	0.29	0.24	
	0.30		0.74	0.66	0.58	0.52	0.44	0.38	0.34	0.28	0.23	
	0.20		0.65	0.59	0.53	0.48	0.41	0.36	0.32	0.26	0.23	
0.00	0.00	0.00	0.52	0.47	0.42	0.38	0.33	0.29	0.26	0.21	0.18	
Rating: 3W 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 = 1.50								
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	0.37	0.39	0.39	0.40	0.41	0.41	0.42	0.42	0.42
	0.30		0.30	0.32	0.33	0.34	0.35	0.36	0.37	0.38	0.39
	0.20		0.25	0.26	0.28	0.29	0.31	0.32	0.33	0.35	0.36
0.50	0.50	0.20	0.36	0.37	0.38	0.38	0.39	0.40	0.40	0.40	0.40
	0.30		0.29	0.31	0.32	0.33	0.34	0.35	0.36	0.37	0.38
	0.20		0.25	0.26	0.27	0.28	0.30	0.31	0.32	0.34	0.35
0.30	0.50	0.20	0.35	0.36	0.37	0.37	0.38	0.38	0.38	0.39	0.39
	0.30		0.29	0.30	0.31	0.32	0.33	0.34	0.35	0.36	0.36
	0.20		0.25	0.26	0.27	0.28	0.29	0.30	0.31	0.33	0.34
0.00	0.00	0.00	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
Rating: 3W 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	7.5	0.0	0.0	0.02	0.02
1.0-2.0	7.5	0.0	0.0	0.06	0.08
2.0-3.0	7.5	0.0	0.1	0.10	0.18
3.0-4.0	7.5	0.0	0.1	0.14	0.31
4.0-5.0	7.5	0.1	0.2	0.17	0.49
5.0-6.0	7.4	0.1	0.3	0.21	0.70
6.0-7.0	7.4	0.1	0.3	0.25	0.95
7.0-8.0	7.4	0.1	0.5	0.29	1.24
8.0-9.0	7.4	0.1	0.6	0.33	1.56
9.0-10.0	7.4	0.1	0.7	0.36	1.93
10.0-11.0	7.4	0.1	0.9	0.40	2.33
11.0-12.0	7.3	0.2	1.0	0.44	2.76
12.0-13.0	7.3	0.2	1.2	0.47	3.24
13.0-14.0	7.3	0.2	1.4	0.51	3.74
14.0-15.0	7.2	0.2	1.6	0.54	4.28
15.0-16.0	7.2	0.2	1.8	0.57	4.86
16.0-17.0	7.2	0.2	2.0	0.61	5.46
17.0-18.0	7.1	0.2	2.2	0.64	6.10
18.0-19.0	7.1	0.2	2.5	0.67	6.78
19.0-20.0	7.1	0.3	2.7	0.70	7.48
20.0-21.0	7.0	0.3	3.0	0.73	8.21
21.0-22.0	7.0	0.3	3.3	0.76	8.98
22.0-23.0	6.9	0.3	3.6	0.79	9.77
23.0-24.0	6.9	0.3	3.9	0.82	10.59
24.0-25.0	6.8	0.3	4.2	0.84	11.43
25.0-26.0	6.8	0.3	4.5	0.87	12.30
26.0-27.0	6.7	0.3	4.8	0.90	13.20
27.0-28.0	6.7	0.3	5.2	0.92	14.12
28.0-29.0	6.6	0.3	5.5	0.94	15.06
29.0-30.0	6.6	0.4	5.9	0.96	16.02
30.0-31.0	6.5	0.4	6.2	0.99	17.01
31.0-32.0	6.5	0.4	6.6	1.01	18.02
32.0-33.0	6.4	0.4	7.0	1.03	19.04
33.0-34.0	6.3	0.4	7.4	1.04	20.09
34.0-35.0	6.3	0.4	7.8	1.06	21.15
35.0-36.0	6.2	0.4	8.2	1.08	22.22

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	6.1	0.4	8.6	1.09	23.31
37.0-38.0	6.1	0.4	9.0	1.11	24.42
38.0-39.0	6.0	0.4	9.4	1.12	25.54
39.0-40.0	6.0	0.4	9.8	1.13	26.67
40.0-41.0	5.9	0.4	10.2	1.14	27.81
41.0-42.0	5.8	0.4	10.6	1.15	28.96
42.0-43.0	5.8	0.4	11.1	1.16	30.12
43.0-44.0	5.7	0.4	11.5	1.17	31.29
44.0-45.0	5.6	0.4	11.9	1.18	32.47
45.0-46.0	5.6	0.4	12.4	1.18	33.65
46.0-47.0	5.5	0.4	12.8	1.19	34.84
47.0-48.0	5.4	0.4	13.2	1.19	36.03
48.0-49.0	5.3	0.4	13.7	1.20	37.22
49.0-50.0	5.3	0.4	14.1	1.20	38.42
50.0-51.0	5.2	0.4	14.6	1.20	39.62
51.0-52.0	5.1	0.4	15.0	1.20	40.82
52.0-53.0	5.0	0.4	15.4	1.19	42.01
53.0-54.0	5.0	0.4	15.9	1.19	43.20
54.0-55.0	4.9	0.4	16.3	1.19	44.39
55.0-56.0	4.8	0.4	16.7	1.19	45.59
56.0-57.0	4.8	0.4	17.2	1.19	46.77
57.0-58.0	4.7	0.4	17.6	1.18	47.95
58.0-59.0	4.6	0.4	18.0	1.17	49.12
59.0-60.0	4.5	0.4	18.5	1.17	50.29
60.0-61.0	4.5	0.4	18.9	1.16	51.44
61.0-62.0	4.4	0.4	19.3	1.15	52.60
62.0-63.0	4.3	0.4	19.7	1.14	53.74
63.0-64.0	4.2	0.4	20.2	1.13	54.87
64.0-65.0	4.2	0.4	20.6	1.12	55.99
65.0-66.0	4.1	0.4	21.0	1.11	57.09
66.0-67.0	4.0	0.4	21.4	1.10	58.19
67.0-68.0	3.9	0.4	21.8	1.08	59.27
68.0-69.0	3.9	0.4	22.2	1.07	60.34
69.0-70.0	3.8	0.4	22.6	1.06	61.40
70.0-71.0	3.7	0.4	22.9	1.04	62.44
71.0-72.0	3.6	0.4	23.3	1.02	63.46

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	3.5	0.4	23.7	1.01	64.47
73.0-74.0	3.5	0.4	24.0	0.99	65.46
74.0-75.0	3.4	0.4	24.4	0.97	66.43
75.0-76.0	3.3	0.4	24.8	0.96	67.39
76.0-77.0	3.3	0.3	25.1	0.94	68.33
77.0-78.0	3.2	0.3	25.4	0.93	69.26
78.0-79.0	3.1	0.3	25.8	0.91	70.16
79.0-80.0	3.0	0.3	26.1	0.89	71.05
80.0-81.0	3.0	0.3	26.4	0.87	71.92
81.0-82.0	2.9	0.3	26.7	0.85	72.77
82.0-83.0	2.8	0.3	27.0	0.83	73.61
83.0-84.0	2.7	0.3	27.3	0.82	74.42
84.0-85.0	2.7	0.3	27.6	0.80	75.22
85.0-86.0	2.6	0.3	27.9	0.77	75.99
86.0-87.0	2.5	0.3	28.2	0.75	76.75
87.0-88.0	2.5	0.3	28.5	0.74	77.49
88.0-89.0	2.4	0.3	28.7	0.72	78.21
89.0-90.0	2.4	0.3	29.0	0.71	78.92
90.0-91.0	2.3	0.3	29.2	0.69	79.61
91.0-92.0	2.3	0.2	29.5	0.68	80.29
92.0-93.0	2.2	0.2	29.7	0.66	80.96
93.0-94.0	2.2	0.2	30.0	0.65	81.61
94.0-95.0	2.2	0.2	30.2	0.64	82.25
95.0-96.0	2.1	0.2	30.4	0.63	82.88
96.0-97.0	2.1	0.2	30.7	0.61	83.49
97.0-98.0	2.0	0.2	30.9	0.60	84.09
98.0-99.0	2.0	0.2	31.1	0.59	84.68
99.0-100.0	1.9	0.2	31.3	0.57	85.25
100.0-101.0	1.9	0.2	31.5	0.56	85.81
101.0-102.0	1.9	0.2	31.7	0.54	86.35
102.0-103.0	1.8	0.2	31.9	0.53	86.88
103.0-104.0	1.8	0.2	32.1	0.52	87.40
104.0-105.0	1.8	0.2	32.3	0.51	87.91
105.0-106.0	1.7	0.2	32.5	0.50	88.41
106.0-107.0	1.7	0.2	32.7	0.48	88.89
107.0-108.0	1.7	0.2	32.8	0.47	89.36

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	1.6	0.2	33.0	0.46	89.82
109.0-110.0	1.6	0.2	33.2	0.45	90.27
110.0-111.0	1.6	0.2	33.3	0.43	90.70
111.0-112.0	1.5	0.2	33.5	0.42	91.13
112.0-113.0	1.5	0.2	33.6	0.41	91.54
113.0-114.0	1.5	0.1	33.8	0.40	91.94
114.0-115.0	1.4	0.1	33.9	0.39	92.33
115.0-116.0	1.4	0.1	34.1	0.38	92.70
116.0-117.0	1.4	0.1	34.2	0.37	93.07
117.0-118.0	1.3	0.1	34.3	0.36	93.43
118.0-119.0	1.3	0.1	34.4	0.35	93.77
119.0-120.0	1.3	0.1	34.6	0.33	94.11
120.0-121.0	1.3	0.1	34.7	0.32	94.43
121.0-122.0	1.2	0.1	34.8	0.31	94.74
122.0-123.0	1.2	0.1	34.9	0.30	95.04
123.0-124.0	1.2	0.1	35.0	0.29	95.33
124.0-125.0	1.2	0.1	35.1	0.28	95.62
125.0-126.0	1.1	0.1	35.2	0.27	95.89
126.0-127.0	1.1	0.1	35.3	0.26	96.15
127.0-128.0	1.1	0.1	35.4	0.25	96.40
128.0-129.0	1.1	0.1	35.5	0.25	96.65
129.0-130.0	1.0	0.1	35.6	0.24	96.89
130.0-131.0	1.0	0.1	35.7	0.23	97.11
131.0-132.0	1.0	0.1	35.8	0.22	97.33
132.0-133.0	0.9	0.1	35.8	0.21	97.53
133.0-134.0	0.9	0.1	35.9	0.19	97.73
134.0-135.0	0.9	0.1	36.0	0.18	97.91
135.0-136.0	0.8	0.1	36.0	0.17	98.09
136.0-137.0	0.8	0.1	36.1	0.16	98.25
137.0-138.0	0.8	0.1	36.1	0.16	98.40
138.0-139.0	0.7	0.1	36.2	0.15	98.55
139.0-140.0	0.7	0.0	36.3	0.14	98.69
140.0-141.0	0.7	0.0	36.3	0.13	98.81
141.0-142.0	0.6	0.0	36.3	0.11	98.93
142.0-143.0	0.6	0.0	36.4	0.11	99.04
143.0-144.0	0.6	0.0	36.4	0.10	99.14

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	0.5	0.0	36.5	0.09	99.23
145.0-146.0	0.5	0.0	36.5	0.09	99.32
146.0-147.0	0.5	0.0	36.5	0.08	99.40
147.0-148.0	0.5	0.0	36.5	0.07	99.47
148.0-149.0	0.4	0.0	36.6	0.07	99.54
149.0-150.0	0.4	0.0	36.6	0.06	99.60
150.0-151.0	0.4	0.0	36.6	0.05	99.65
151.0-152.0	0.4	0.0	36.6	0.05	99.70
152.0-153.0	0.3	0.0	36.6	0.05	99.75
153.0-154.0	0.3	0.0	36.7	0.04	99.79
154.0-155.0	0.3	0.0	36.7	0.03	99.82
155.0-156.0	0.2	0.0	36.7	0.03	99.85
156.0-157.0	0.2	0.0	36.7	0.02	99.87
157.0-158.0	0.2	0.0	36.7	0.02	99.89
158.0-159.0	0.1	0.0	36.7	0.02	99.90
159.0-160.0	0.1	0.0	36.7	0.01	99.92
160.0-161.0	0.1	0.0	36.7	0.01	99.93
161.0-162.0	0.1	0.0	36.7	0.01	99.93
162.0-163.0	0.1	0.0	36.7	0.01	99.94
163.0-164.0	0.1	0.0	36.7	0.01	99.95
164.0-165.0	0.1	0.0	36.7	0.01	99.95
165.0-166.0	0.1	0.0	36.7	0.01	99.96
166.0-167.0	0.1	0.0	36.7	0.01	99.97
167.0-168.0	0.1	0.0	36.7	0.01	99.97
168.0-169.0	0.1	0.0	36.7	0.00	99.98
169.0-170.0	0.1	0.0	36.7	0.00	99.98
170.0-171.0	0.1	0.0	36.7	0.00	99.99
171.0-172.0	0.1	0.0	36.7	0.00	99.99
172.0-173.0	0.1	0.0	36.7	0.00	99.99
173.0-174.0	0.1	0.0	36.7	0.00	99.99
174.0-175.0	0.1	0.0	36.7	0.00	100.00
175.0-176.0	0.1	0.0	36.7	0.00	100.00
176.0-177.0	0.1	0.0	36.7	0.00	100.00
177.0-178.0	0.1	0.0	36.7	0.00	100.00
178.0-179.0	0.0	0.0	36.7	0.00	100.00
179.0-180.0	0.0	0.0	36.7	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: