

Report No.:

Test Time: 2022/6/17 16:45

## Luminaire Property

Luminaire Manufacturer:

Luminaire Category: Curved pendants CS80 RGBW D-rows flex 2 ROW

Luminaire Description: Curved pendants CS80 RGBW D-rows flex 2 ROW

Lamp Catalog: RGBW WHITE

Number of Lamps: 1

Luminous Length (mm): 300

Luminous Width (mm): 80

Luminous Height (mm): 30

Voltage: 24.0 V

Current: 0.280 A

Power: 6.72 W

Power Factor: 1.000

## Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 301.3 lm

Measurement Flux: 301.3 lm

Efficiency: 100%

Downward Ratio: 99%

Upward Ratio: 1%

Horizontal Diffuse Angle(10%,50%): H158.2,H104.6

Vertical Diffuse Angle(10%,50%): V158.6,V104.4

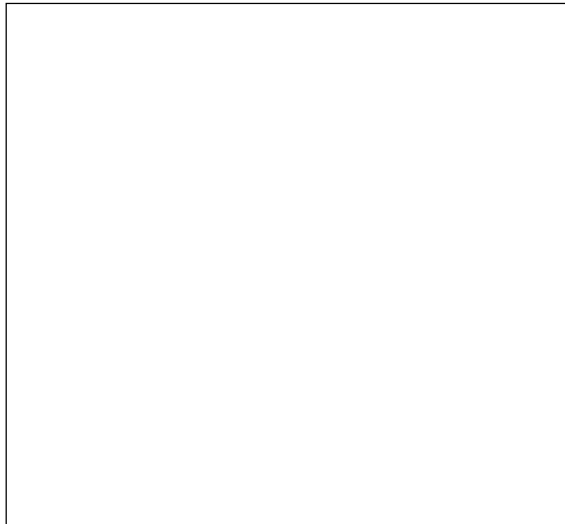
Luminaire Efficacy Rating (LER): 45

Central Intensity: 114.21 cd

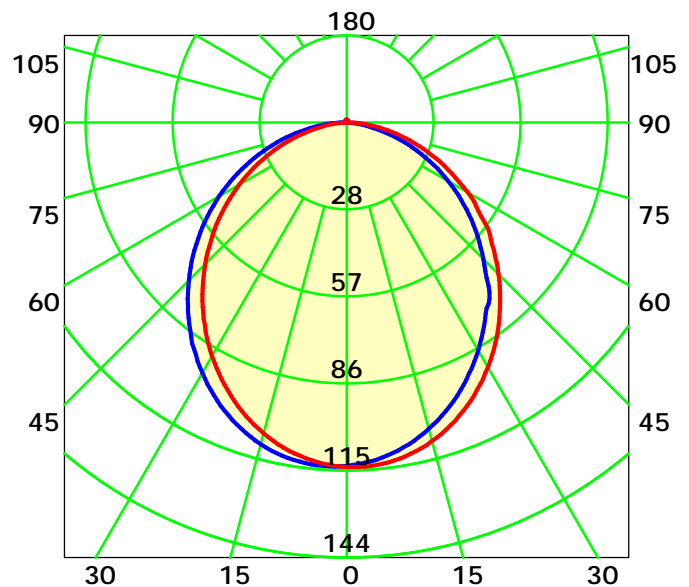
Max. Intensity: 114.82 cd

Pos of Max. Intensity: H120 V2

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 104.5° 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

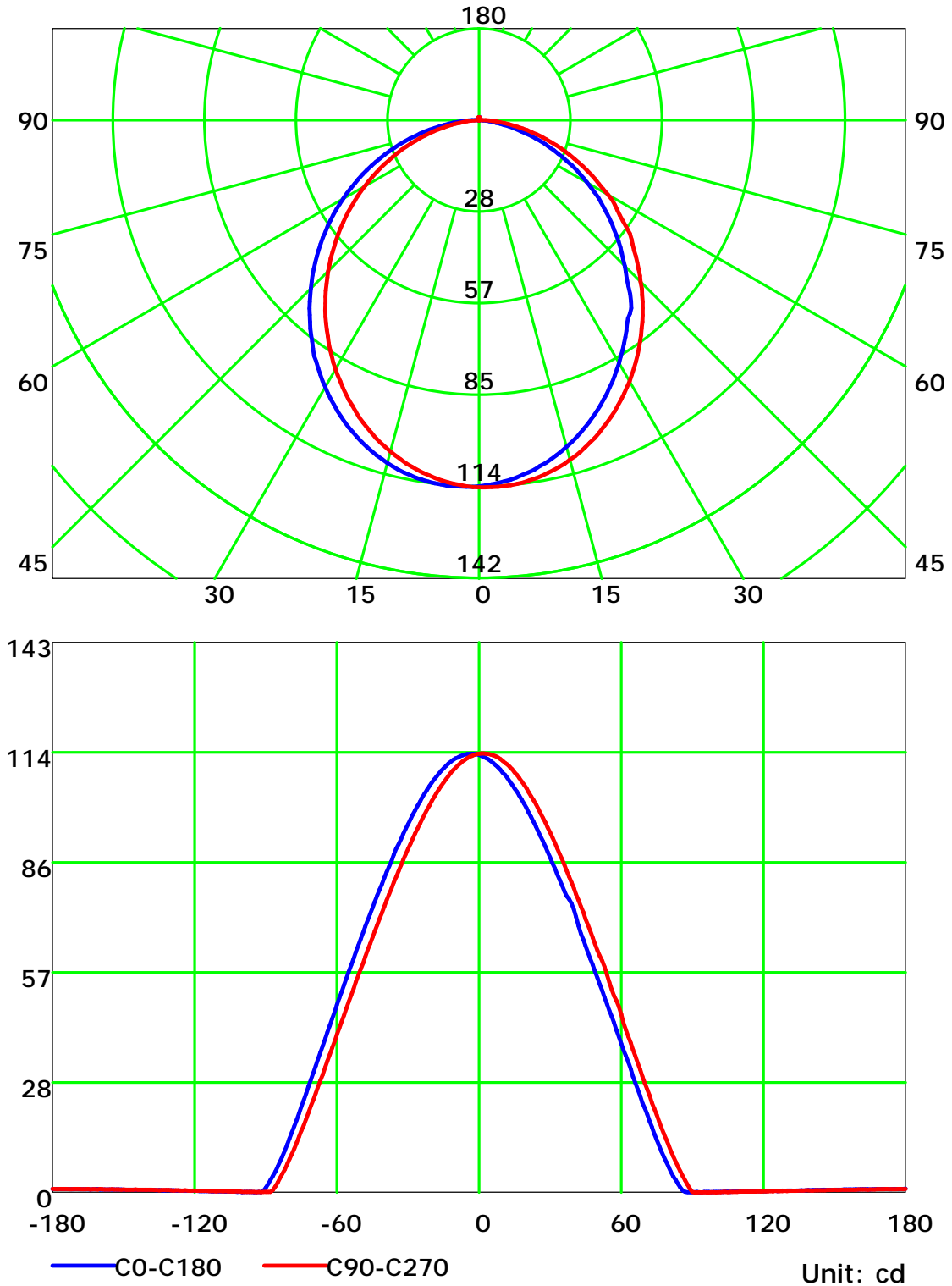
Distance: 9.028 m

Humidity: 60%

Inspector:



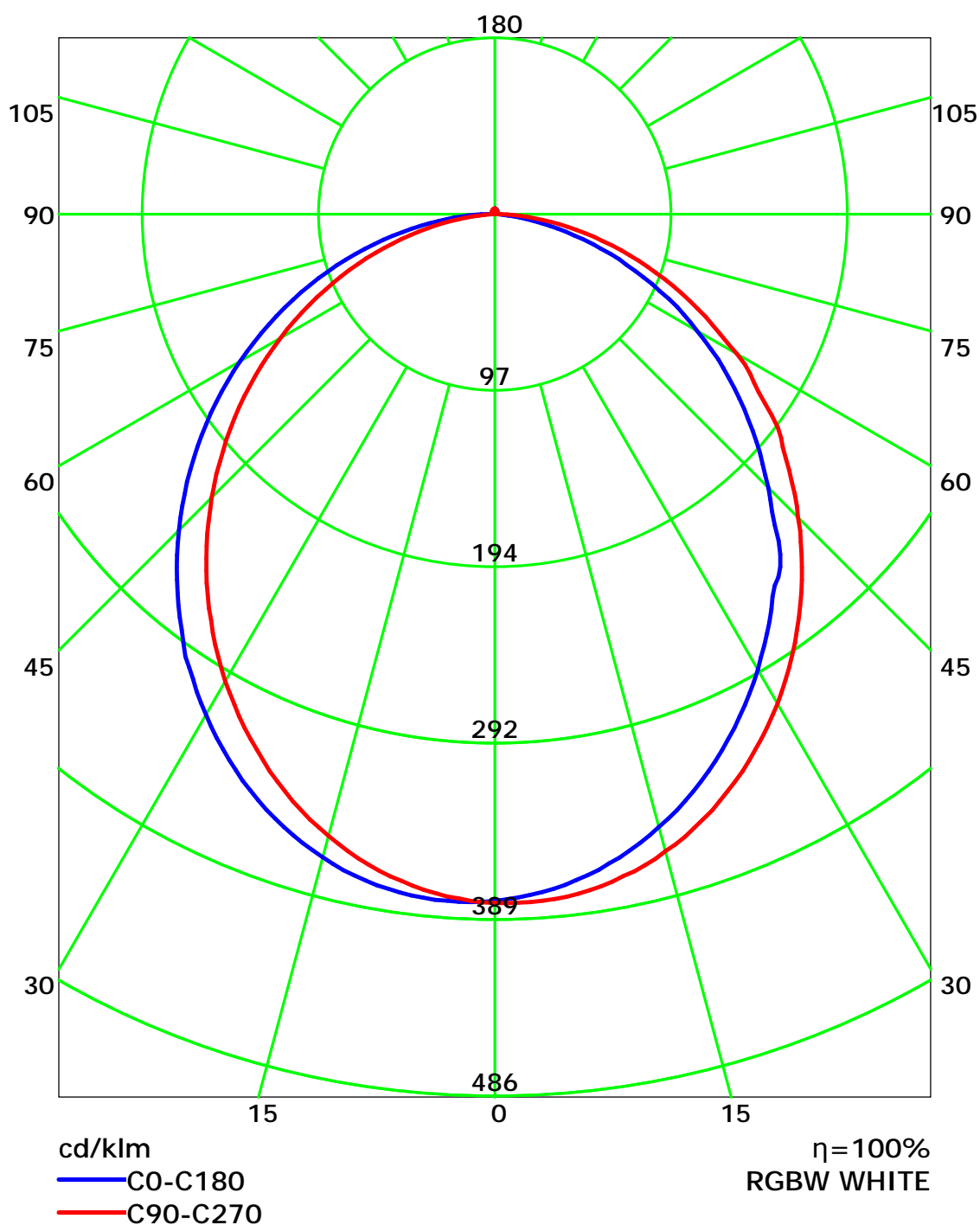
## Luminous Intensity Distribution Curve



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:

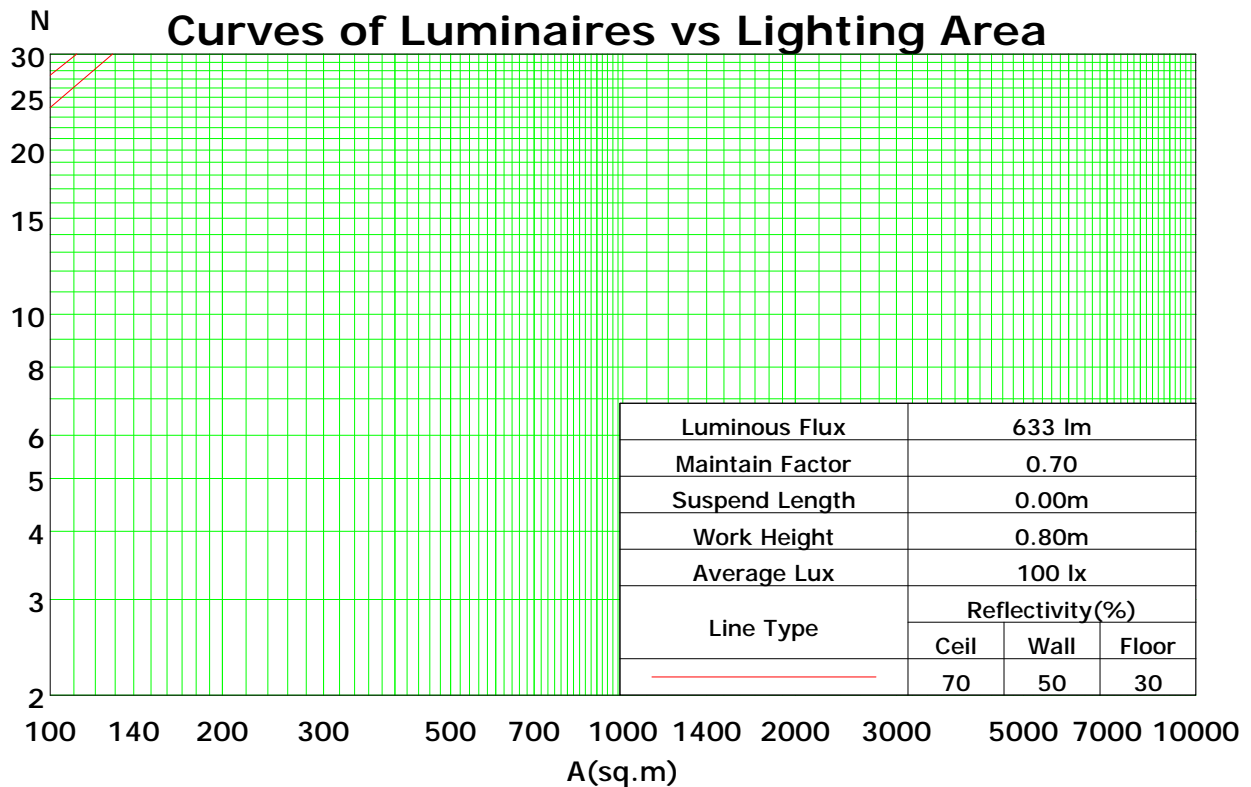
## Coefficients Of Utilization - Zonal Cavity Method

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	95	97	94	91	93	91	88	90	88	86	84
2	99	91	84	79	96	89	83	78	85	80	76	82	78	74	79	75	72	70
3	91	80	72	66	88	78	71	65	75	69	64	73	67	63	70	65	61	59
4	83	71	62	56	81	70	62	55	67	60	55	65	59	54	62	57	53	51
5	76	64	55	48	74	63	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	42	37	47	41	36	34
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	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): 1.20

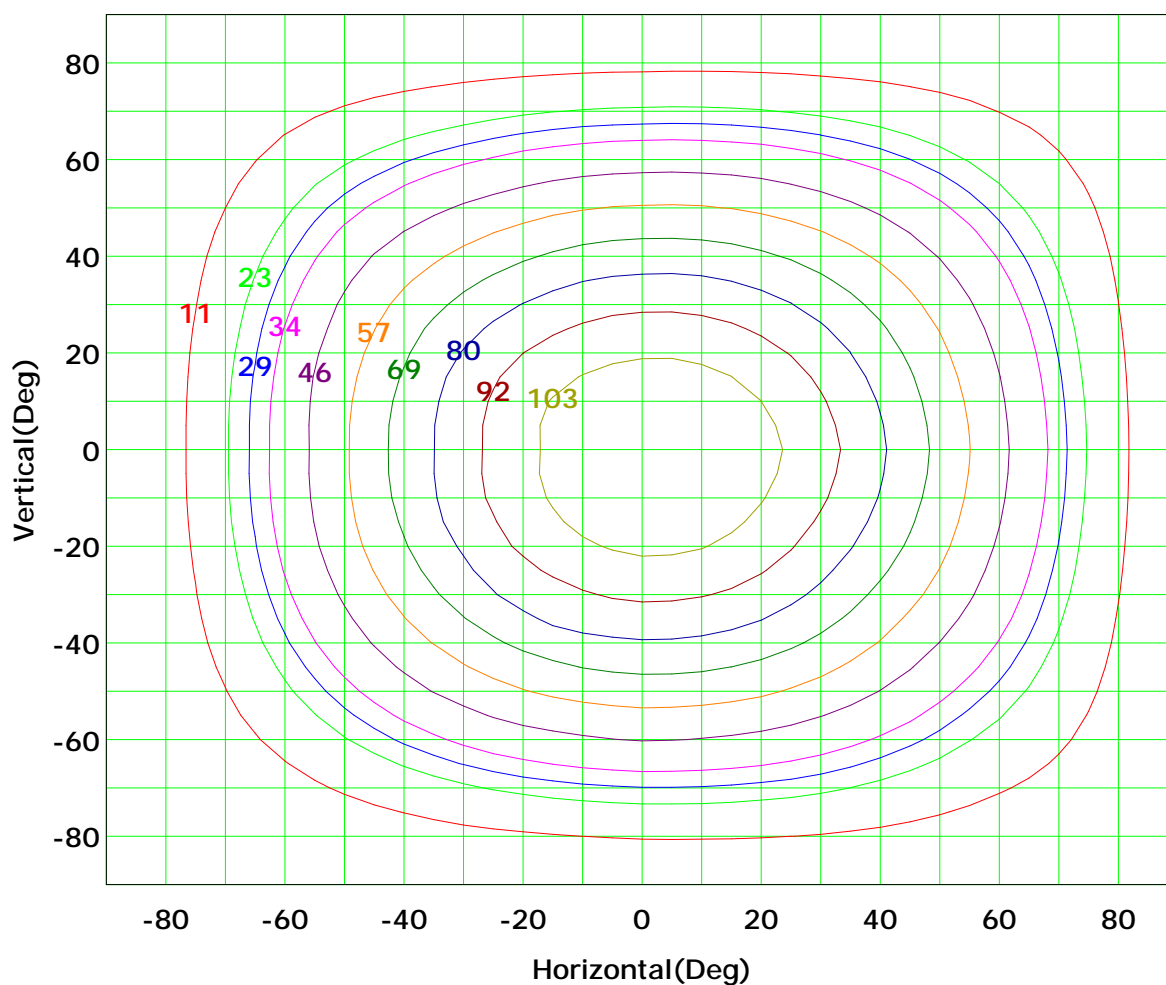
Spacing Criteria (Diagonal): 1.31



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)



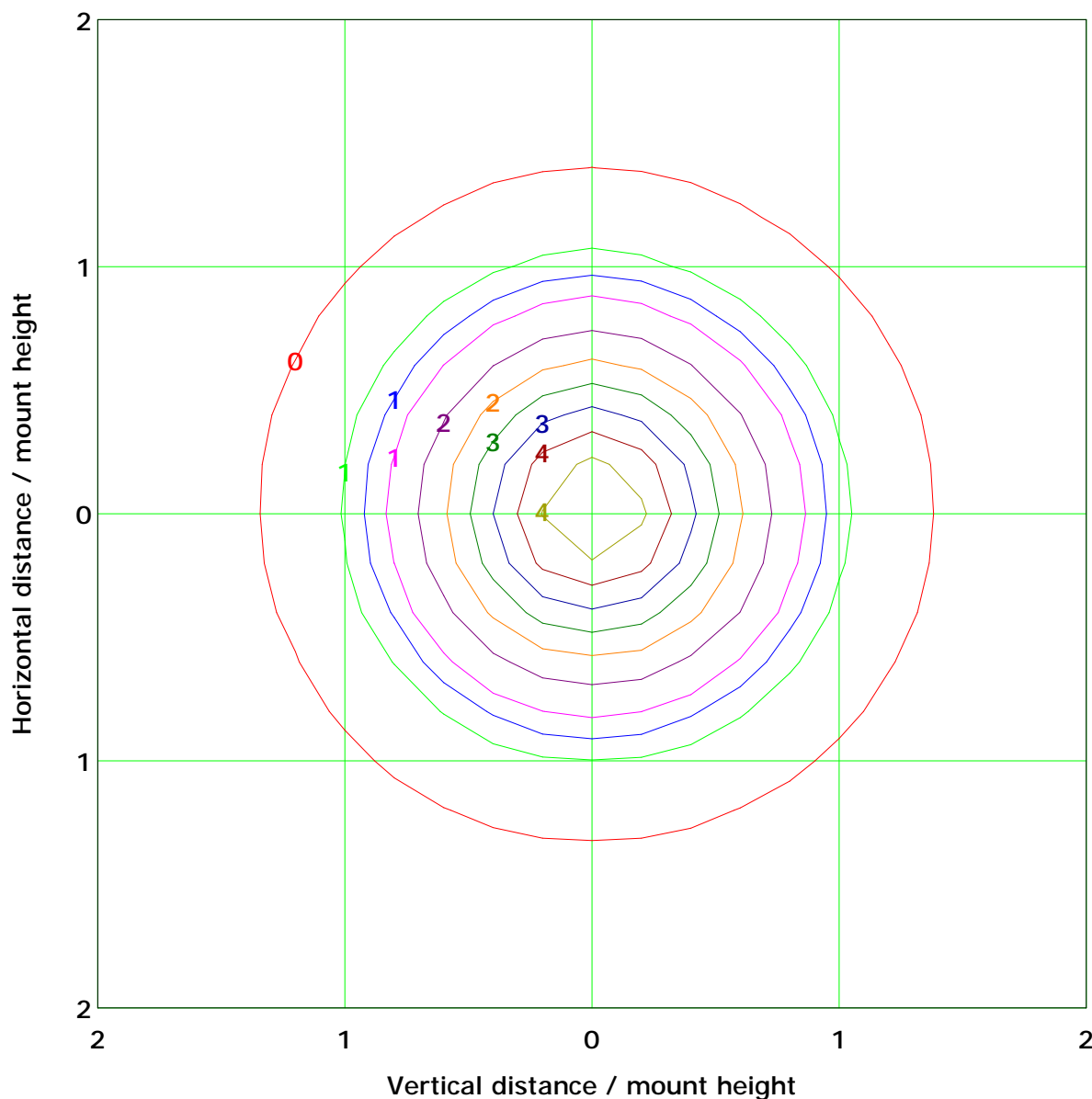
I<sub>max</sub> (100%): 115 cd

( 10%):	11 cd	( 20%):	23 cd
( 25%):	29 cd	( 30%):	34 cd
( 40%):	46 cd	( 50%):	57 cd
( 60%):	69 cd	( 70%):	80 cd
( 80%):	92 cd	( 90%):	103 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



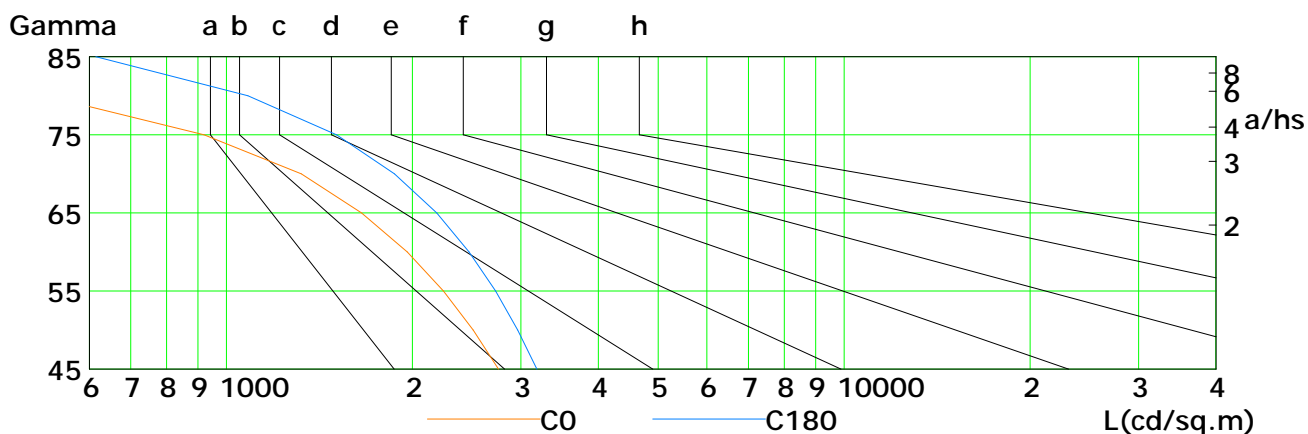
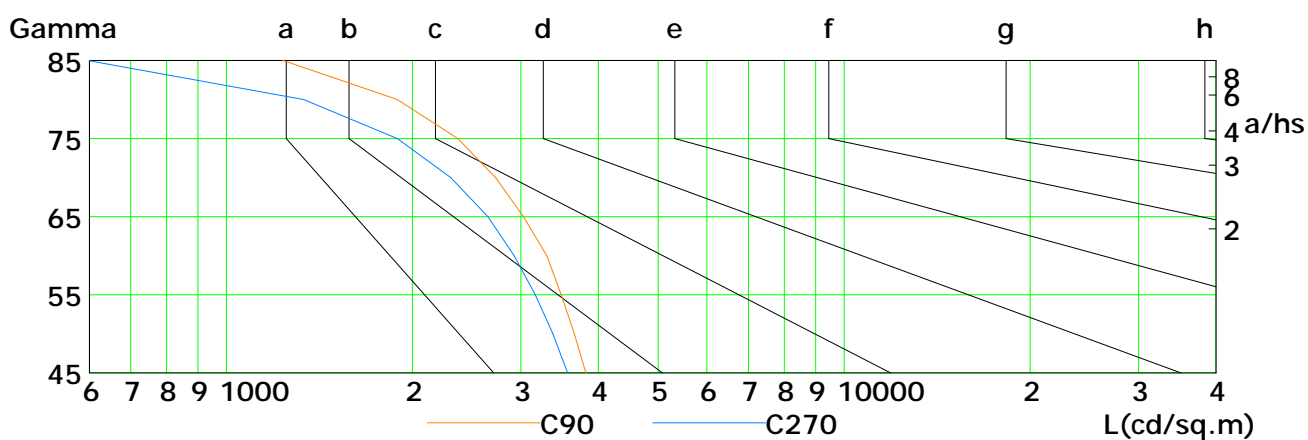
C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator: Jacky

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

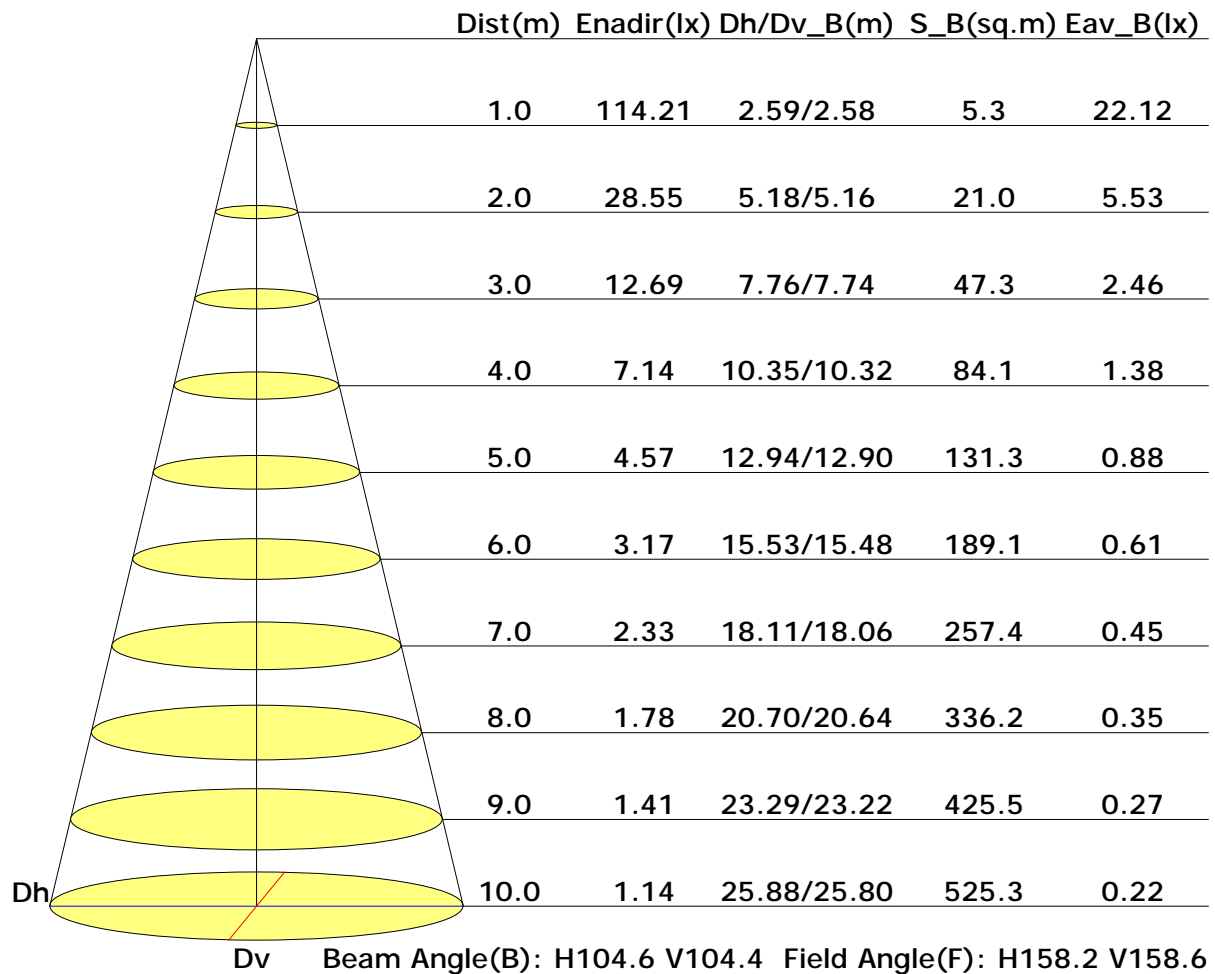


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	2759	2509	2248	1962	1656	1323	920	511	120
C90	3822	3659	3484	3301	3026	2729	2372	1891	1236
C180	3185	2964	2729	2472	2192	1873	1508	1084	615
C270	3568	3377	3164	2924	2653	2310	1891	1334	598

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

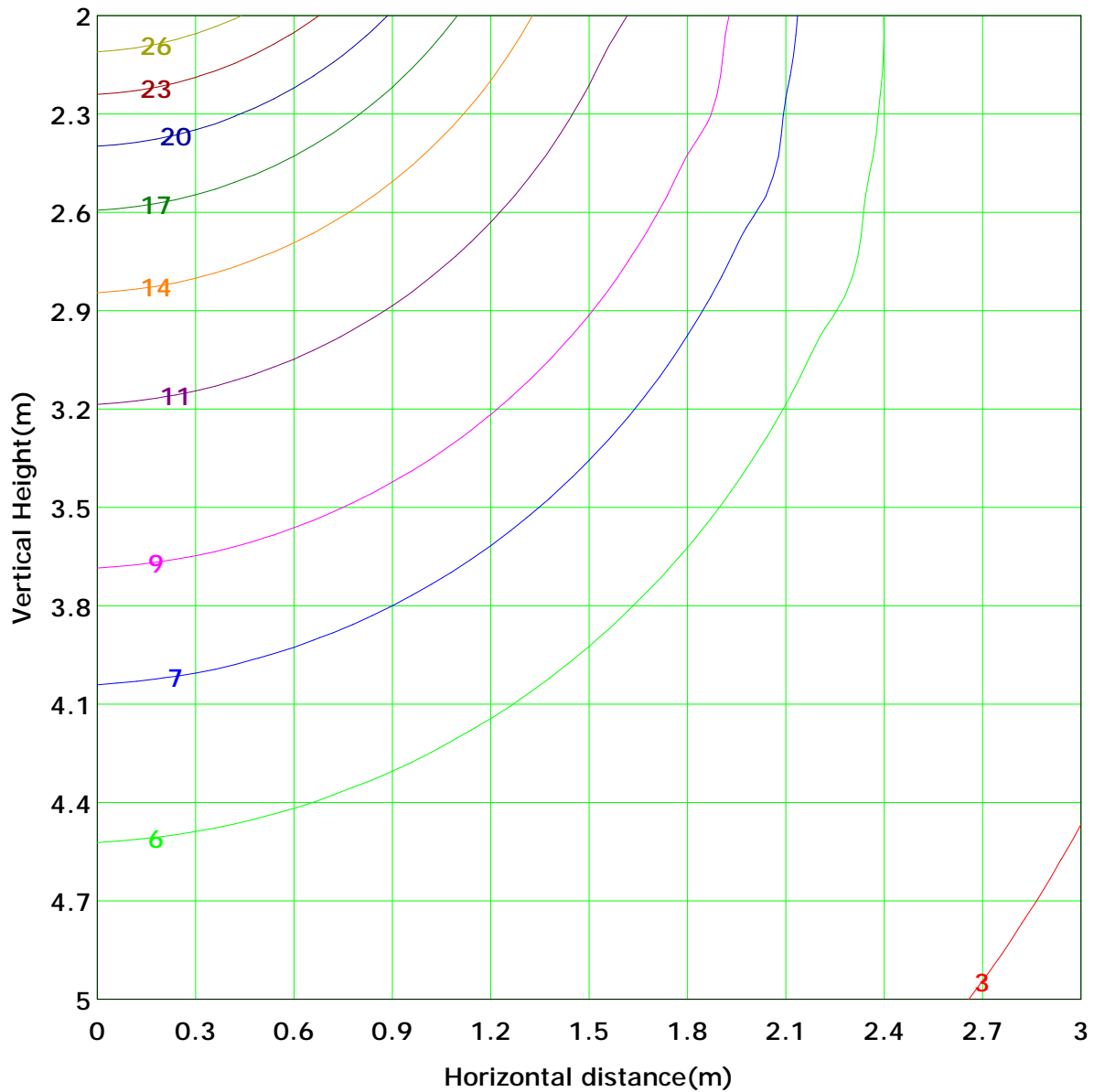
Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 9.028 m  
Humidity: 60%  
Inspector:

## Illuminance at a Distance





## Vertical IsoLux Plot



Lowest(m): 2.0m	Highest(m): 5.0m	Max Lux: 28.6 lx
( 10%): 2.9 lx	( 20%): 5.7 lx	( 30%): 8.6 lx
( 25%): 7.1 lx	( 50%): 14.3 lx	( 70%): 20.0 lx
( 40%): 11.4 lx	( 90%): 25.7 lx	
( 60%): 17.1 lx		
( 80%): 22.8 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

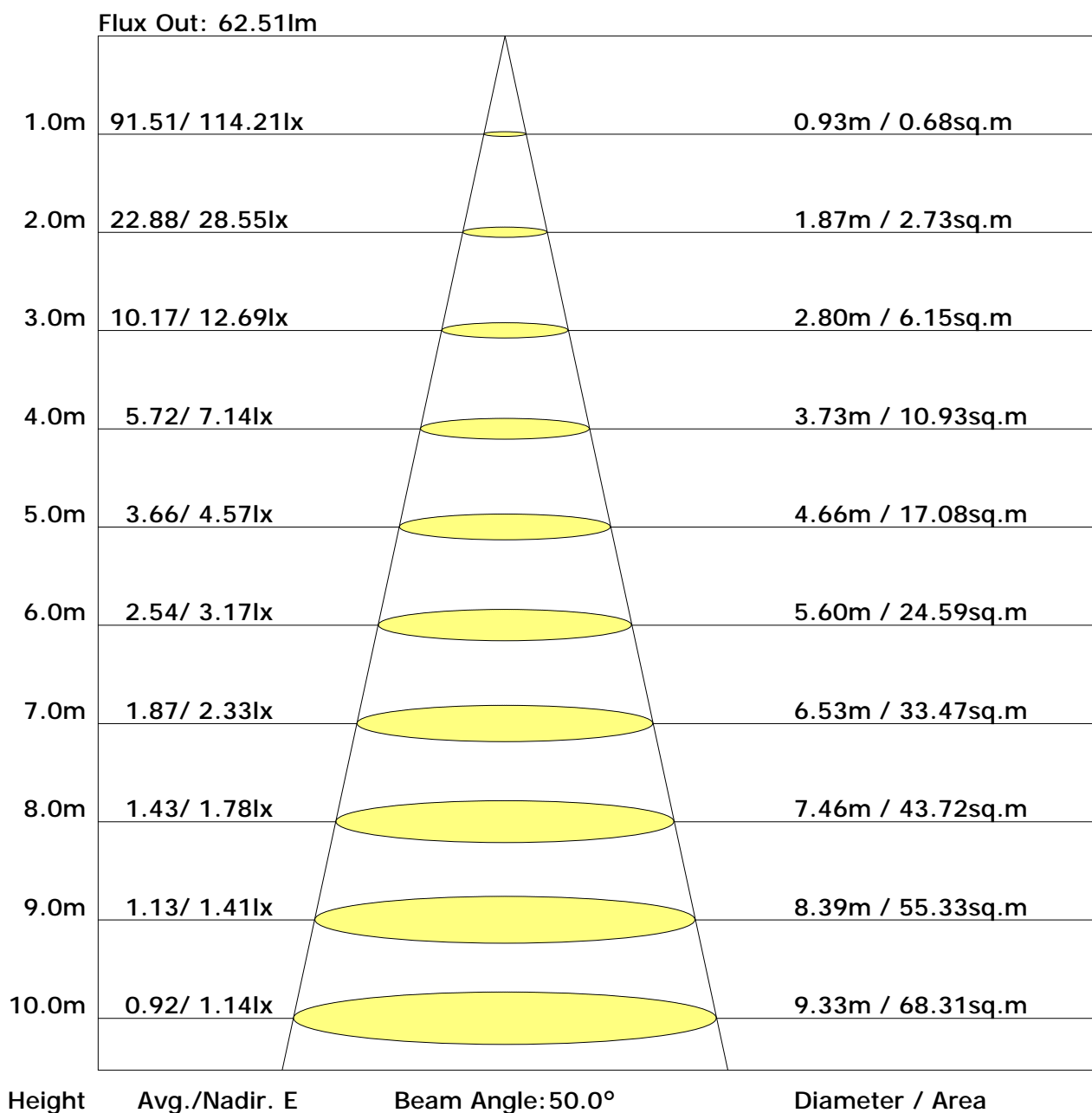
Unit: lm

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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0
	-80	0.0	0.0	0.1	0.2	0.3	0.3	0.4	0.5	0.5	0.5	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	2.0	1.6
	-70	0.0	0.1	0.2	0.3	0.5	0.7	0.8	0.9	1.0	1.0	1.0	0.9	0.8	0.6	0.5	0.3	0.1	0.0	0.0	5.4	5.1
	-60	0.0	0.1	0.2	0.5	0.7	1.0	1.3	1.4	1.5	1.6	1.6	1.5	1.4	1.2	1.0	0.8	0.5	0.2	0.1	10.5	10.2
	-50	0.0	0.1	0.2	0.6	1.0	1.3	1.7	1.9	2.0	2.0	2.1	2.1	2.0	1.8	1.6	1.4	1.1	0.8	0.5	16.6	16.2
	-40	0.0	0.1	0.3	0.6	1.0	1.3	1.7	2.1	2.3	2.5	2.5	2.4	2.3	2.1	1.9	1.7	1.4	1.1	0.8	22.9	22.6
	-30	0.0	0.1	0.4	0.8	1.2	1.6	2.1	2.4	2.7	2.9	2.9	2.8	2.7	2.5	2.3	2.1	1.9	1.6	1.4	28.8	28.5
	-20	0.0	0.2	0.5	0.9	1.4	1.9	2.4	2.8	3.0	3.2	3.2	3.1	3.0	2.8	2.6	2.4	2.1	1.8	1.5	33.1	32.8
	-10	0.0	0.2	0.5	1.0	1.6	2.2	2.6	3.0	3.2	3.4	3.4	3.3	3.2	3.0	2.8	2.5	2.2	2.0	1.8	35.3	35.0
	0	0.0	0.2	0.5	1.0	1.6	2.2	2.6	3.0	3.2	3.4	3.4	3.3	3.2	3.0	2.8	2.5	2.2	2.0	1.8	34.9	34.6
	10	0.0	0.2	0.5	1.0	1.6	2.2	2.6	3.0	3.2	3.4	3.4	3.3	3.2	3.0	2.8	2.5	2.2	2.0	1.8	32.0	31.7
	20	0.0	0.2	0.5	1.0	1.6	2.2	2.6	3.0	3.2	3.4	3.4	3.3	3.2	3.0	2.8	2.5	2.2	2.0	1.8	27.1	26.8
	30	0.0	0.2	0.5	1.0	1.6	2.2	2.6	3.0	3.2	3.4	3.4	3.3	3.2	3.0	2.8	2.5	2.2	2.0	1.8	21.0	20.7
	40	0.0	0.1	0.3	0.6	1.0	1.4	1.9	2.4	2.7	2.9	2.9	2.8	2.7	2.5	2.3	2.1	1.9	1.7	1.5	14.6	14.3
	50	0.0	0.1	0.3	0.6	1.0	1.4	1.9	2.4	2.7	2.9	2.9	2.8	2.7	2.5	2.3	2.1	1.9	1.7	1.5	8.7	8.4
	60	0.0	0.1	0.3	0.5	0.8	1.1	1.4	1.7	1.9	2.1	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3	4.1	3.7
	70	0.0	0.1	0.2	0.3	0.5	0.7	0.9	1.1	1.1	1.1	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	1.1	0.7
	80	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.1	0.0
	90	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	298	293
	Flux(E)	0.0	1.6	5.1	10.2	16.2	22.6	28.5	32.8	35.0	34.6	31.7	26.8	20.7	14.3	8.4	3.7	0.7	0.0	0.0		
	Flux(T)	0.3	2.0	5.4	10.5	16.6	22.9	28.8	33.1	35.3	34.9	32.0	27.1	21.0	14.6	8.7	4.1	1.1	0.1	0.1		
	Flux(E)	0.0	1.6	5.1	10.2	16.2	22.6	28.5	32.8	35.0	34.6	31.7	26.8	20.7	14.3	8.4	3.7	0.7	0.0	0.0		

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	19.3	20.9	19.7	21.2	21.6	19.4	21.0	19.8	21.4	21.7
3H	20.7	22.2	21.1	22.5	22.9	20.9	22.4	21.3	22.7	23.1
4H	21.1	22.5	21.6	22.9	23.3	21.4	22.8	21.8	23.1	23.5
6H	21.4	22.6	21.8	23.0	23.4	21.7	23.0	22.2	23.4	23.8
8H	21.4	22.6	21.8	23.0	23.4	21.8	23.0	22.3	23.4	23.8
12H	21.4	22.5	21.8	22.9	23.4	21.8	23.0	22.3	23.4	23.8
X=4H Y=2H	19.8	21.1	20.2	21.5	21.9	20.0	21.3	20.4	21.7	22.1
3H	21.4	22.5	21.8	22.9	23.3	21.7	22.8	22.1	23.2	23.6
4H	21.9	22.9	22.3	23.3	23.8	22.3	23.3	22.7	23.7	24.2
6H	22.2	23.1	22.6	23.5	24.0	22.7	23.6	23.1	24.0	24.5
8H	22.2	23.0	22.7	23.5	24.0	22.8	23.6	23.3	24.1	24.6
12H	22.2	23.0	22.7	23.5	23.9	22.8	23.6	23.3	24.1	24.6
X=8H Y=4H	22.0	22.9	22.5	23.3	23.8	22.5	23.3	23.0	23.8	24.3
6H	22.4	23.1	22.9	23.6	24.1	23.0	23.7	23.5	24.2	24.7
8H	22.5	23.1	23.0	23.6	24.1	23.1	23.7	23.6	24.3	24.8
12H	22.5	23.0	23.0	23.5	24.1	23.2	23.8	23.7	24.3	24.8
X=12H Y=4H	22.0	22.8	22.5	23.3	23.8	22.5	23.2	23.0	23.7	24.2
6H	22.4	23.0	22.9	23.5	24.1	23.0	23.6	23.5	24.1	24.7
8H	22.5	23.0	23.0	23.5	24.1	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	0.58	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		0.45	0.55	0.63	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	0.67	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	0.74	0.79	0.82	0.88	0.91
0.00	0.00	0.00	0.42	0.51	0.58	0.63	0.70	0.75	0.78	0.83	0.86
Rating: 7W 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	0.80	0.68	0.59	0.47	0.39	0.34	0.26	0.21	
	0.30		0.81	0.69	0.60	0.53	0.43	0.36	0.31	0.24	0.20	
	0.20		0.70	0.60	0.53	0.47	0.39	0.33	0.29	0.23	0.19	
0.50	0.50	0.20	0.94	0.77	0.65	0.57	0.45	0.41	0.32	0.25	0.20	
	0.30		0.80	0.67	0.58	0.51	0.41	0.35	0.30	0.23	0.19	
	0.20		0.69	0.59	0.52	0.46	0.38	0.32	0.28	0.22	0.18	
0.30	0.50	0.20	0.91	0.74	0.63	0.54	0.43	0.36	0.30	0.23	0.19	
	0.30		0.78	0.65	0.56	0.49	0.40	0.33	0.29	0.22	0.18	
	0.20		0.68	0.58	0.51	0.45	0.37	0.31	0.27	0.21	0.18	
0.00	0.00	0.00	0.58	0.48	0.41	0.36	0.29	0.24	0.21	0.16	0.13	
Rating: 7W 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 = 1.25								
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	0.14	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: 7W 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	114.4	0.1	0.1	0.04	0.04
1.0-2.0	114.4	0.3	0.4	0.11	0.15
2.0-3.0	114.3	0.5	1.0	0.18	0.33
3.0-4.0	114.1	0.8	1.7	0.25	0.58
4.0-5.0	113.9	1.0	2.7	0.33	0.91
5.0-6.0	113.6	1.2	3.9	0.40	1.30
6.0-7.0	113.3	1.4	5.3	0.47	1.77
7.0-8.0	112.9	1.6	6.9	0.54	2.30
8.0-9.0	112.4	1.8	8.8	0.60	2.91
9.0-10.0	112.0	2.0	10.8	0.67	3.58
10.0-11.0	111.4	2.2	13.0	0.74	4.32
11.0-12.0	110.8	2.4	15.4	0.80	5.13
12.0-13.0	110.2	2.6	18.1	0.87	5.99
13.0-14.0	109.5	2.8	20.9	0.93	6.92
14.0-15.0	108.7	3.0	23.8	0.99	7.91
15.0-16.0	107.9	3.2	27.0	1.05	8.96
16.0-17.0	107.1	3.3	30.3	1.11	10.07
17.0-18.0	106.2	3.5	33.8	1.16	11.23
18.0-19.0	105.3	3.7	37.5	1.22	12.45
19.0-20.0	104.3	3.8	41.3	1.27	13.72
20.0-21.0	103.3	4.0	45.3	1.32	15.03
21.0-22.0	102.2	4.1	49.4	1.36	16.40
22.0-23.0	101.1	4.2	53.6	1.41	17.81
23.0-24.0	100.0	4.4	58.0	1.45	19.26
24.0-25.0	98.8	4.5	62.5	1.49	20.75
25.0-26.0	97.6	4.6	67.1	1.53	22.28
26.0-27.0	96.4	4.7	71.8	1.57	23.85
27.0-28.0	95.1	4.8	76.7	1.60	25.44
28.0-29.0	93.8	4.9	81.6	1.63	27.07
29.0-30.0	92.5	5.0	86.6	1.66	28.73
30.0-31.0	91.2	5.1	91.6	1.69	30.42
31.0-32.0	89.9	5.2	96.8	1.71	32.13
32.0-33.0	88.5	5.2	102.0	1.73	33.86
33.0-34.0	87.0	5.3	107.3	1.75	35.61
34.0-35.0	85.6	5.3	112.6	1.76	37.37
35.0-36.0	84.2	5.4	118.0	1.78	39.15

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	82.8	5.4	123.4	1.79	40.94
37.0-38.0	81.2	5.4	128.8	1.80	42.74
38.0-39.0	79.7	5.4	134.2	1.81	44.55
39.0-40.0	78.1	5.4	139.7	1.81	46.36
40.0-41.0	76.5	5.4	145.1	1.81	48.16
41.0-42.0	74.9	5.4	150.5	1.81	49.97
42.0-43.0	73.2	5.4	156.0	1.80	51.77
43.0-44.0	71.6	5.4	161.4	1.79	53.56
44.0-45.0	70.0	5.4	166.8	1.79	55.35
45.0-46.0	68.3	5.3	172.1	1.77	57.12
46.0-47.0	66.7	5.3	177.4	1.76	58.89
47.0-48.0	65.0	5.3	182.7	1.74	60.63
48.0-49.0	63.4	5.2	187.9	1.73	62.36
49.0-50.0	61.7	5.1	193.0	1.71	64.07
50.0-51.0	60.0	5.1	198.1	1.69	65.75
51.0-52.0	58.4	5.0	203.1	1.66	67.41
52.0-53.0	56.7	4.9	208.0	1.64	69.05
53.0-54.0	55.0	4.9	212.9	1.61	70.66
54.0-55.0	53.3	4.8	217.6	1.58	72.24
55.0-56.0	51.6	4.7	222.3	1.55	73.79
56.0-57.0	49.9	4.6	226.9	1.51	75.31
57.0-58.0	48.2	4.5	231.3	1.48	76.79
58.0-59.0	46.4	4.3	235.7	1.44	78.23
59.0-60.0	44.6	4.2	239.9	1.40	79.63
60.0-61.0	42.9	4.1	244.0	1.36	80.99
61.0-62.0	41.1	4.0	247.9	1.32	82.30
62.0-63.0	39.4	3.8	251.8	1.27	83.57
63.0-64.0	37.7	3.7	255.5	1.23	84.80
64.0-65.0	35.9	3.6	259.0	1.18	85.98
65.0-66.0	34.1	3.4	262.4	1.13	87.11
66.0-67.0	32.4	3.3	265.7	1.08	88.19
67.0-68.0	30.7	3.1	268.8	1.03	89.23
68.0-69.0	29.0	3.0	271.8	0.98	90.21
69.0-70.0	27.2	2.8	274.6	0.93	91.14
70.0-71.0	25.6	2.6	277.2	0.88	92.01
71.0-72.0	23.9	2.5	279.7	0.82	92.84

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	22.2	2.3	282.0	0.77	93.61
73.0-74.0	20.5	2.2	284.2	0.72	94.32
74.0-75.0	18.9	2.0	286.2	0.66	94.98
75.0-76.0	17.2	1.8	288.0	0.61	95.59
76.0-77.0	15.6	1.7	289.7	0.55	96.14
77.0-78.0	14.1	1.5	291.2	0.50	96.65
78.0-79.0	12.6	1.4	292.5	0.45	97.09
79.0-80.0	11.1	1.2	293.7	0.40	97.49
80.0-81.0	9.7	1.0	294.7	0.35	97.84
81.0-82.0	8.3	0.9	295.6	0.30	98.13
82.0-83.0	6.9	0.8	296.4	0.25	98.39
83.0-84.0	5.7	0.6	297.0	0.21	98.59
84.0-85.0	4.5	0.5	297.5	0.16	98.76
85.0-86.0	3.4	0.4	297.9	0.12	98.88
86.0-87.0	2.4	0.3	298.2	0.09	98.97
87.0-88.0	1.6	0.2	298.3	0.06	99.02
88.0-89.0	0.9	0.1	298.4	0.03	99.06
89.0-90.0	0.5	0.0	298.5	0.02	99.07
90.0-91.0	0.2	0.0	298.5	0.01	99.08
91.0-92.0	0.1	0.0	298.5	0.00	99.08
92.0-93.0	0.1	0.0	298.5	0.00	99.09
93.0-94.0	0.1	0.0	298.5	0.00	99.09
94.0-95.0	0.1	0.0	298.6	0.01	99.10
95.0-96.0	0.2	0.0	298.6	0.01	99.10
96.0-97.0	0.2	0.0	298.6	0.01	99.11
97.0-98.0	0.2	0.0	298.6	0.01	99.12
98.0-99.0	0.2	0.0	298.6	0.01	99.12
99.0-100.0	0.2	0.0	298.6	0.01	99.13
100.0-101.0	0.2	0.0	298.7	0.01	99.14
101.0-102.0	0.2	0.0	298.7	0.01	99.14
102.0-103.0	0.2	0.0	298.7	0.01	99.15
103.0-104.0	0.2	0.0	298.7	0.01	99.16
104.0-105.0	0.2	0.0	298.8	0.01	99.17
105.0-106.0	0.2	0.0	298.8	0.01	99.18
106.0-107.0	0.3	0.0	298.8	0.01	99.18
107.0-108.0	0.3	0.0	298.8	0.01	99.19

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	0.3	0.0	298.9	0.01	99.20
109.0-110.0	0.3	0.0	298.9	0.01	99.21
110.0-111.0	0.3	0.0	298.9	0.01	99.22
111.0-112.0	0.3	0.0	299.0	0.01	99.23
112.0-113.0	0.3	0.0	299.0	0.01	99.25
113.0-114.0	0.3	0.0	299.0	0.01	99.26
114.0-115.0	0.4	0.0	299.1	0.01	99.27
115.0-116.0	0.4	0.0	299.1	0.01	99.28
116.0-117.0	0.4	0.0	299.1	0.01	99.29
117.0-118.0	0.4	0.0	299.2	0.01	99.31
118.0-119.0	0.4	0.0	299.2	0.01	99.32
119.0-120.0	0.4	0.0	299.3	0.01	99.33
120.0-121.0	0.4	0.0	299.3	0.01	99.34
121.0-122.0	0.4	0.0	299.3	0.01	99.36
122.0-123.0	0.4	0.0	299.4	0.01	99.37
123.0-124.0	0.5	0.0	299.4	0.01	99.39
124.0-125.0	0.5	0.0	299.5	0.01	99.40
125.0-126.0	0.5	0.0	299.5	0.01	99.41
126.0-127.0	0.5	0.0	299.5	0.01	99.43
127.0-128.0	0.5	0.0	299.6	0.01	99.44
128.0-129.0	0.5	0.0	299.6	0.01	99.46
129.0-130.0	0.5	0.0	299.7	0.01	99.47
130.0-131.0	0.5	0.0	299.7	0.02	99.49
131.0-132.0	0.6	0.0	299.8	0.02	99.50
132.0-133.0	0.6	0.0	299.8	0.01	99.52
133.0-134.0	0.6	0.0	299.9	0.01	99.53
134.0-135.0	0.6	0.0	299.9	0.01	99.55
135.0-136.0	0.6	0.0	299.9	0.02	99.56
136.0-137.0	0.6	0.0	300.0	0.02	99.58
137.0-138.0	0.6	0.0	300.0	0.02	99.59
138.0-139.0	0.6	0.0	300.1	0.02	99.61
139.0-140.0	0.6	0.0	300.1	0.02	99.62
140.0-141.0	0.6	0.0	300.2	0.02	99.64
141.0-142.0	0.7	0.0	300.2	0.02	99.65
142.0-143.0	0.7	0.0	300.3	0.02	99.67
143.0-144.0	0.7	0.0	300.3	0.02	99.68

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	0.7	0.0	300.4	0.01	99.70
145.0-146.0	0.7	0.0	300.4	0.01	99.71
146.0-147.0	0.7	0.0	300.4	0.01	99.73
147.0-148.0	0.7	0.0	300.5	0.01	99.74
148.0-149.0	0.7	0.0	300.5	0.01	99.76
149.0-150.0	0.7	0.0	300.6	0.01	99.77
150.0-151.0	0.7	0.0	300.6	0.01	99.78
151.0-152.0	0.8	0.0	300.7	0.01	99.80
152.0-153.0	0.8	0.0	300.7	0.01	99.81
153.0-154.0	0.8	0.0	300.7	0.01	99.82
154.0-155.0	0.8	0.0	300.8	0.01	99.83
155.0-156.0	0.8	0.0	300.8	0.01	99.85
156.0-157.0	0.8	0.0	300.8	0.01	99.86
157.0-158.0	0.8	0.0	300.9	0.01	99.87
158.0-159.0	0.8	0.0	300.9	0.01	99.88
159.0-160.0	0.8	0.0	300.9	0.01	99.89
160.0-161.0	0.8	0.0	301.0	0.01	99.90
161.0-162.0	0.9	0.0	301.0	0.01	99.91
162.0-163.0	0.8	0.0	301.0	0.01	99.92
163.0-164.0	0.8	0.0	301.1	0.01	99.93
164.0-165.0	0.9	0.0	301.1	0.01	99.94
165.0-166.0	0.9	0.0	301.1	0.01	99.94
166.0-167.0	0.9	0.0	301.1	0.01	99.95
167.0-168.0	0.9	0.0	301.1	0.01	99.96
168.0-169.0	0.9	0.0	301.2	0.01	99.96
169.0-170.0	0.9	0.0	301.2	0.01	99.97
170.0-171.0	0.9	0.0	301.2	0.01	99.98
171.0-172.0	0.9	0.0	301.2	0.00	99.98
172.0-173.0	0.9	0.0	301.2	0.00	99.99
173.0-174.0	0.9	0.0	301.2	0.00	99.99
174.0-175.0	0.9	0.0	301.2	0.00	99.99
175.0-176.0	0.9	0.0	301.3	0.00	100.00
176.0-177.0	0.9	0.0	301.3	0.00	100.00
177.0-178.0	0.9	0.0	301.3	0.00	100.00
178.0-179.0	0.9	0.0	301.3	0.00	100.00
179.0-180.0	0.9	0.0	301.3	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: