

Report No.: 2023627

Test Time: 2023/6/27 16:30

## Luminaire Property

Luminaire Manufacturer:

Luminaire Category: Pixel Bar

Luminaire Description: Pixel Bar Square Milky RED

Lamp Description: RGBW30-RED

Luminous Width (mm): 40

Voltage: 219.3 V

Power: 5.53 W

Luminous Length (mm): 600

Luminous Height (mm): 30

Current: 0.045 A

Power Factor: 0.556

## Photometric Results

CIE Class: Semi-Direct

Measurement Flux: 29 lm

Downward Ratio: 82%

Horizontal Diffuse Angle(10%,50%): H166.1,H113.1

Vertical Diffuse Angle(10%,50%): V300.3,V141.9

Luminaire Efficacy Rating (LER): 5

Max. Intensity: 6.77 cd

Total Rated Lamp Lumens: 29.0 lm

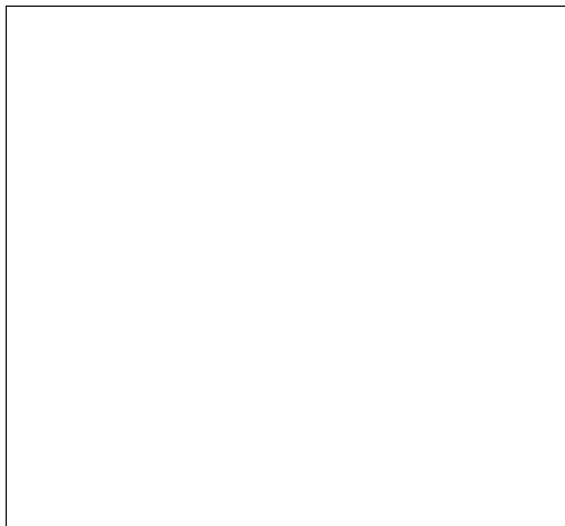
Efficiency: 100%

Upward Ratio: 18%

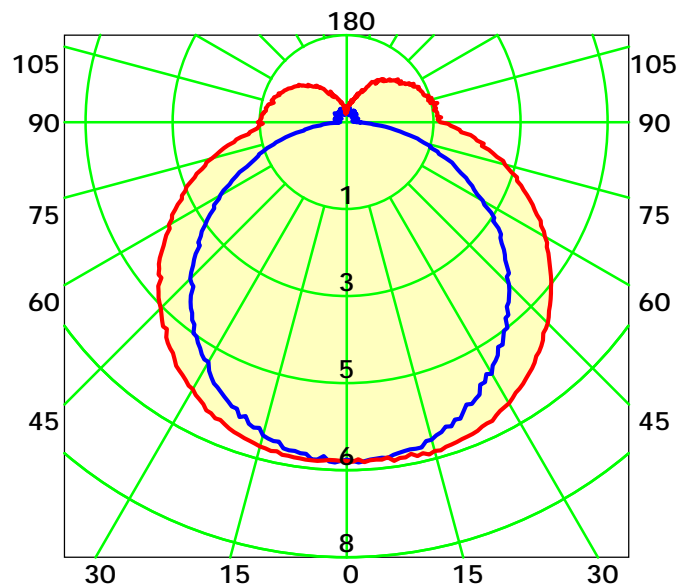
Central Intensity: 6.63 cd

Pos of Max. Intensity: H240 V3

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 127.5° 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

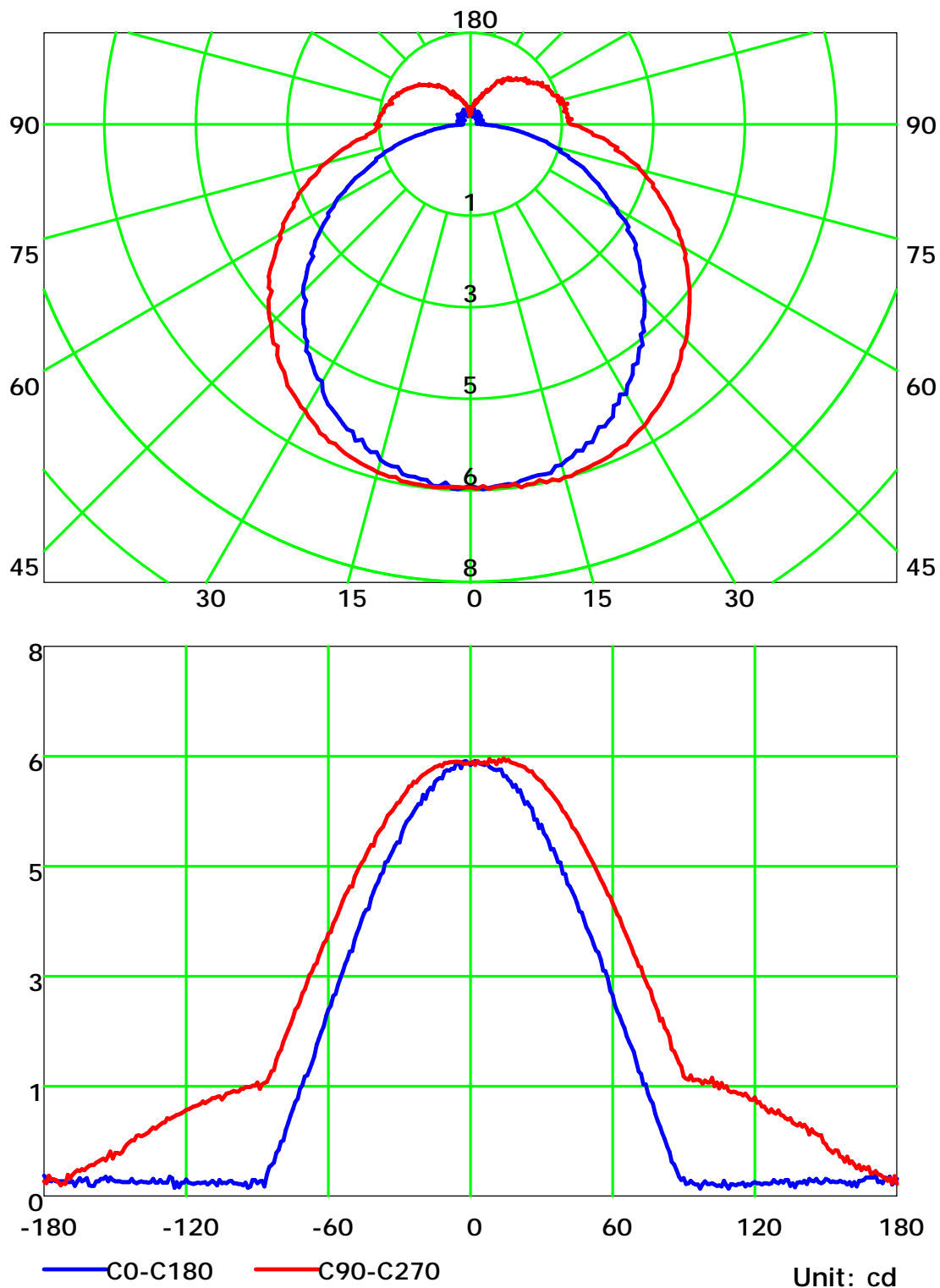
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

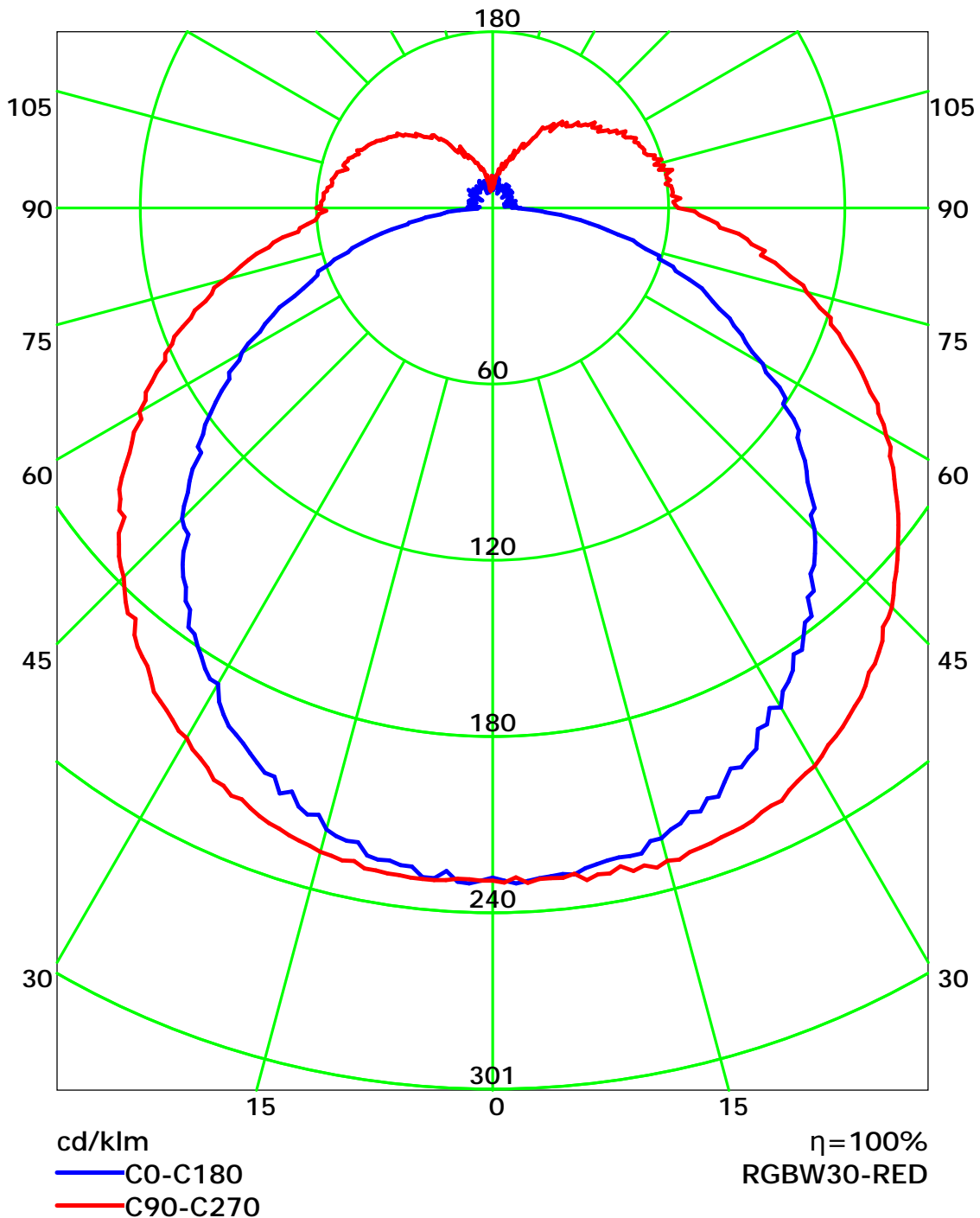
## Luminous Intensity Distribution Curve



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:

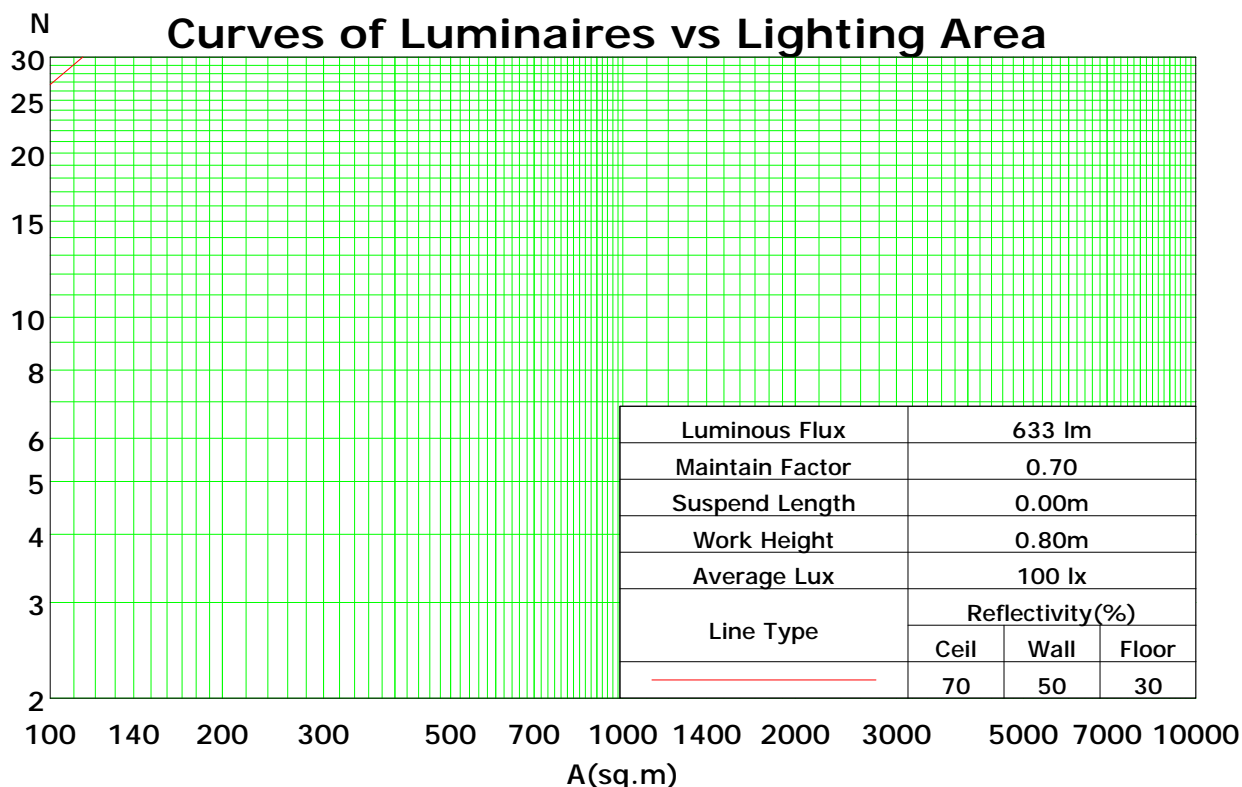
## Coefficients Of Utilization - Zonal Cavity Method

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	115	115	115	115	110	110	110	110	101	101	101	93	93	93	86	86	86	82
1	103	97	92	87	98	93	88	84	85	82	78	78	75	73	72	70	68	64
2	92	83	76	70	88	80	73	67	73	68	63	67	63	59	62	58	55	52
3	84	72	64	57	80	69	62	55	64	57	52	59	53	49	54	49	46	43
4	76	64	55	47	73	61	53	46	56	49	44	52	46	41	48	43	39	36
5	70	57	47	40	66	54	46	39	50	43	37	46	40	35	43	37	33	31
6	64	51	41	35	61	49	40	34	45	38	32	42	35	31	39	33	29	27
7	60	46	37	31	57	44	36	30	41	34	28	38	32	27	35	30	26	23
8	55	42	33	27	53	40	32	26	37	30	25	35	28	24	32	27	23	21
9	52	38	30	24	49	37	29	24	34	27	22	32	26	21	30	24	20	18
10	48	35	27	22	46	34	26	21	32	25	20	29	24	19	28	22	19	17

Spacing Criteria (0-180): 1.25

Spacing Criteria (90-270): 1.39

Spacing Criteria (Diagonal): 1.46



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

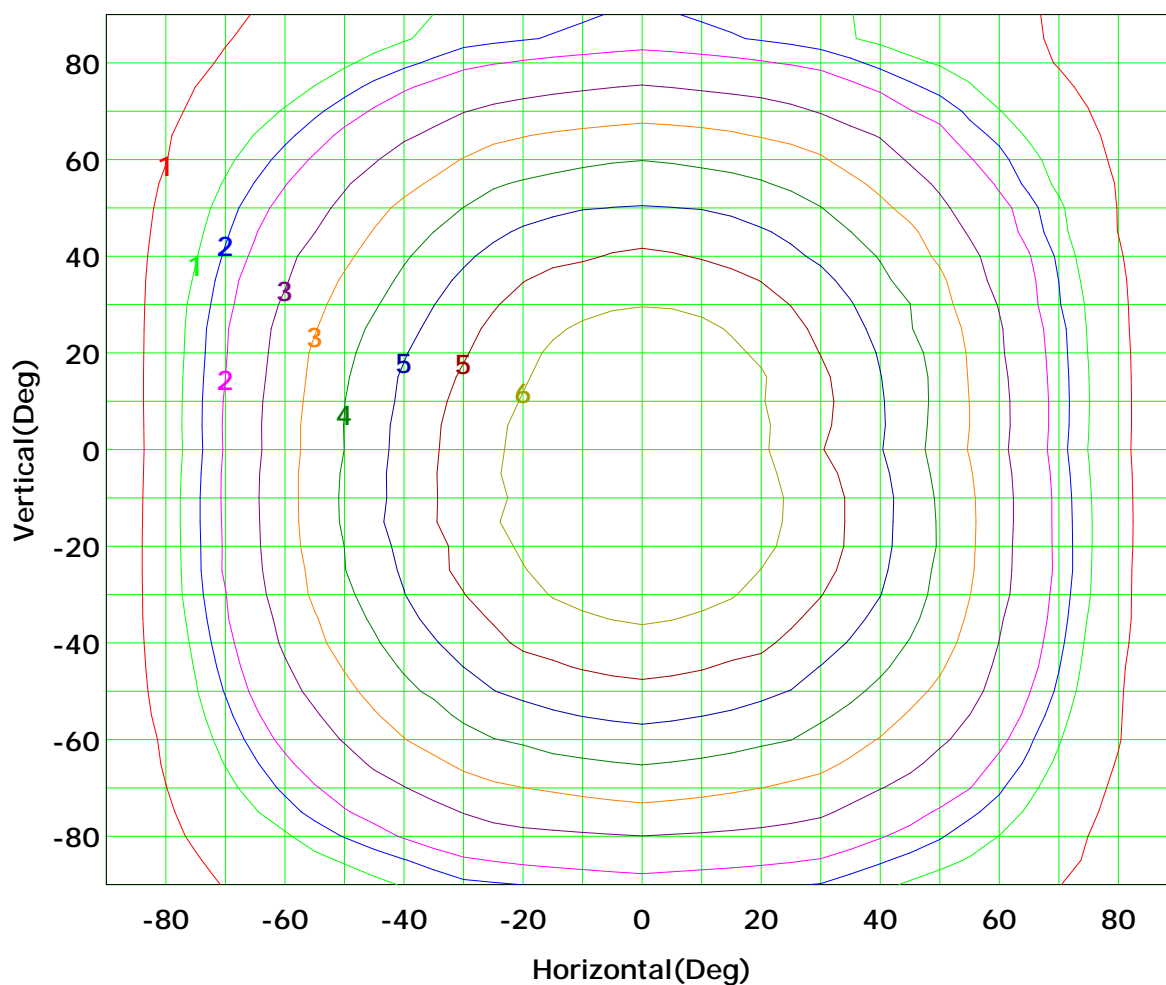
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

## Isocandela (rectangle)



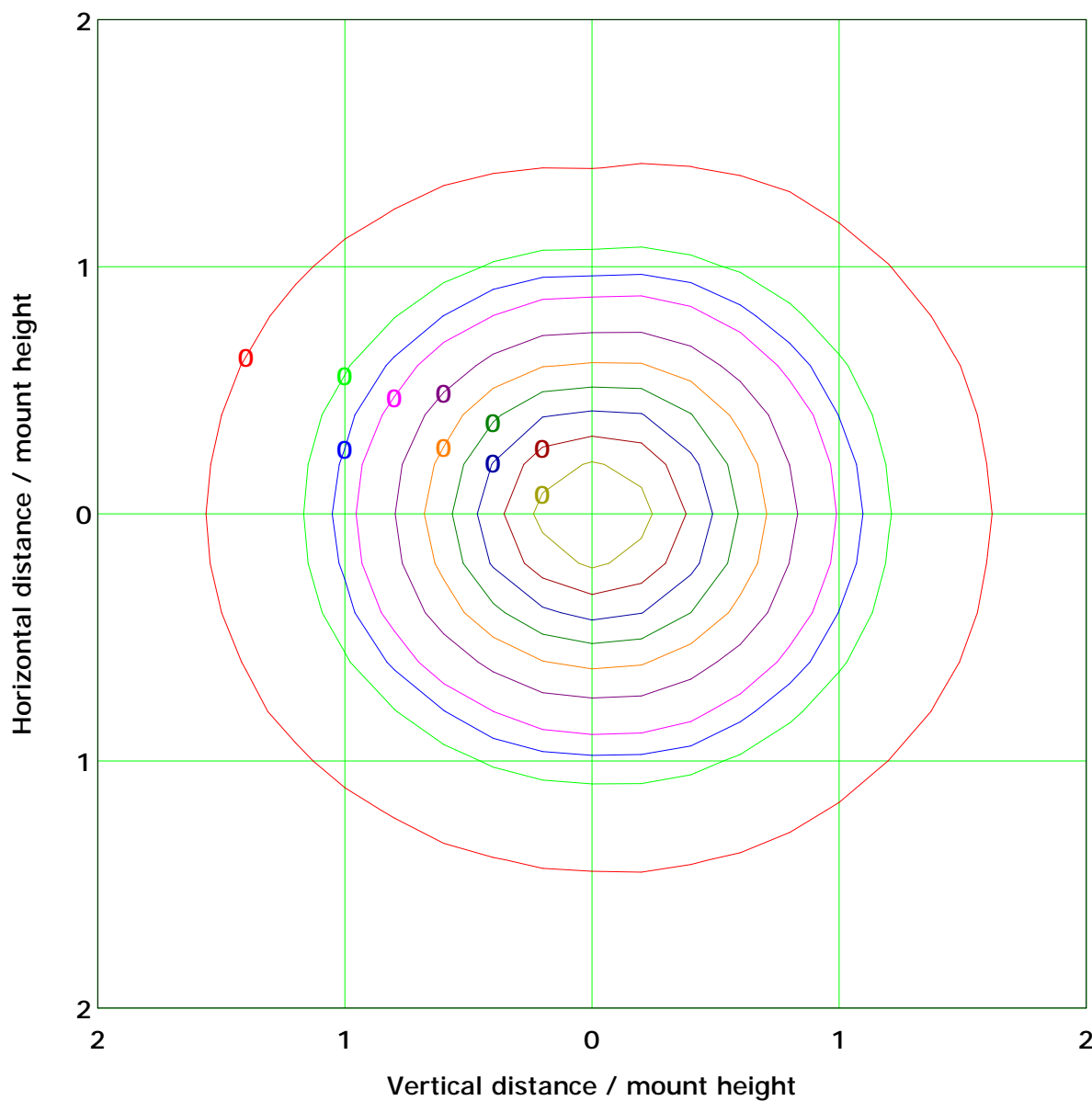
I<sub>max</sub> (100%): 7 cd

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



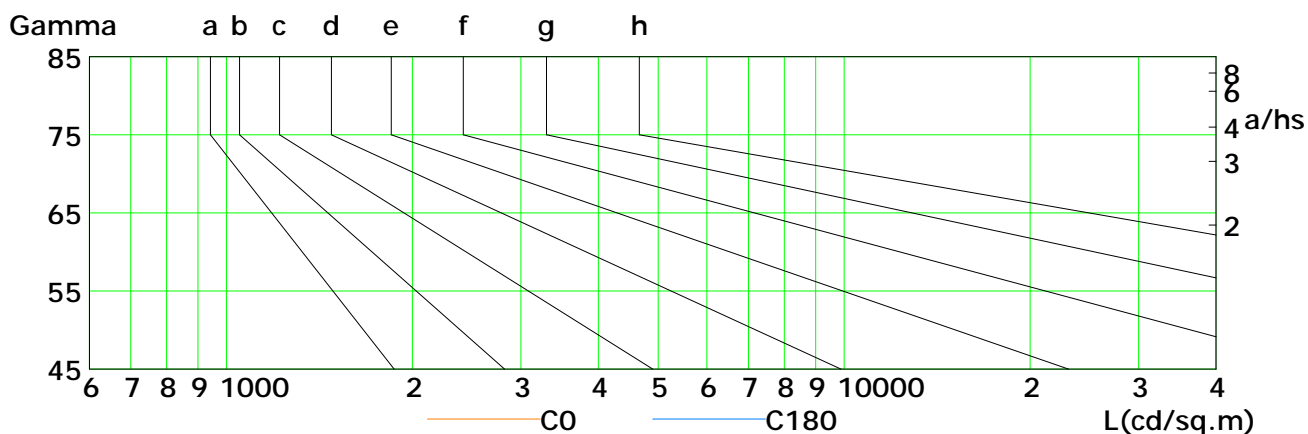
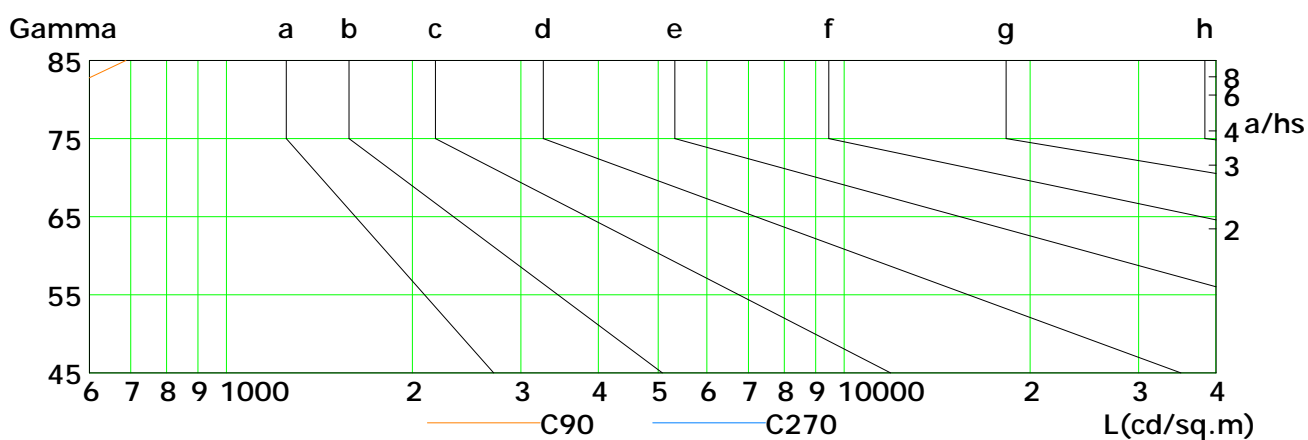
C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator: Jacky

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



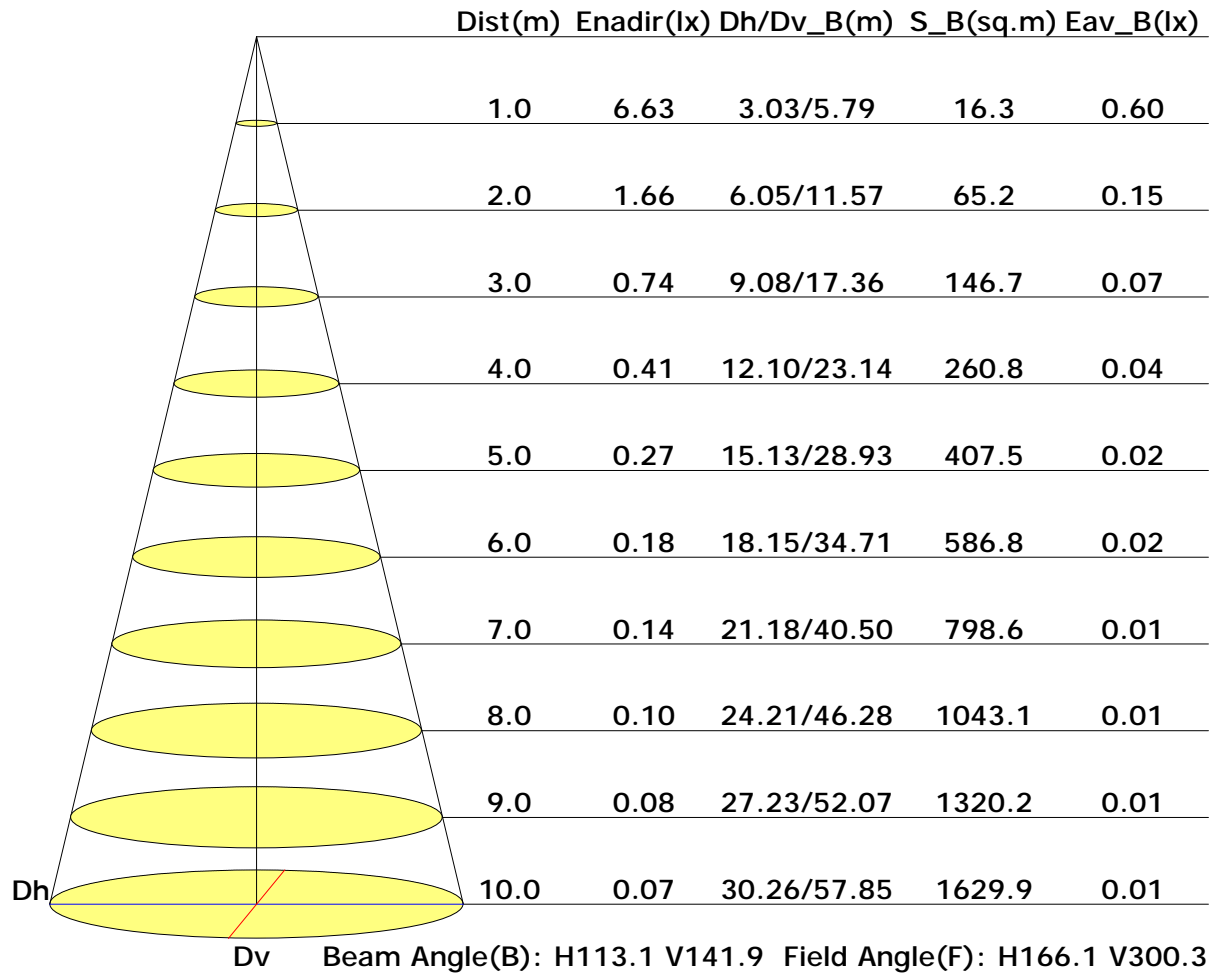
L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	152	139	128	112	98	82	67	49	26
C90	314	321	330	345	363	391	437	505	688
C180	146	129	118	104	88	73	57	38	22
C270	290	291	301	310	319	341	372	421	560

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

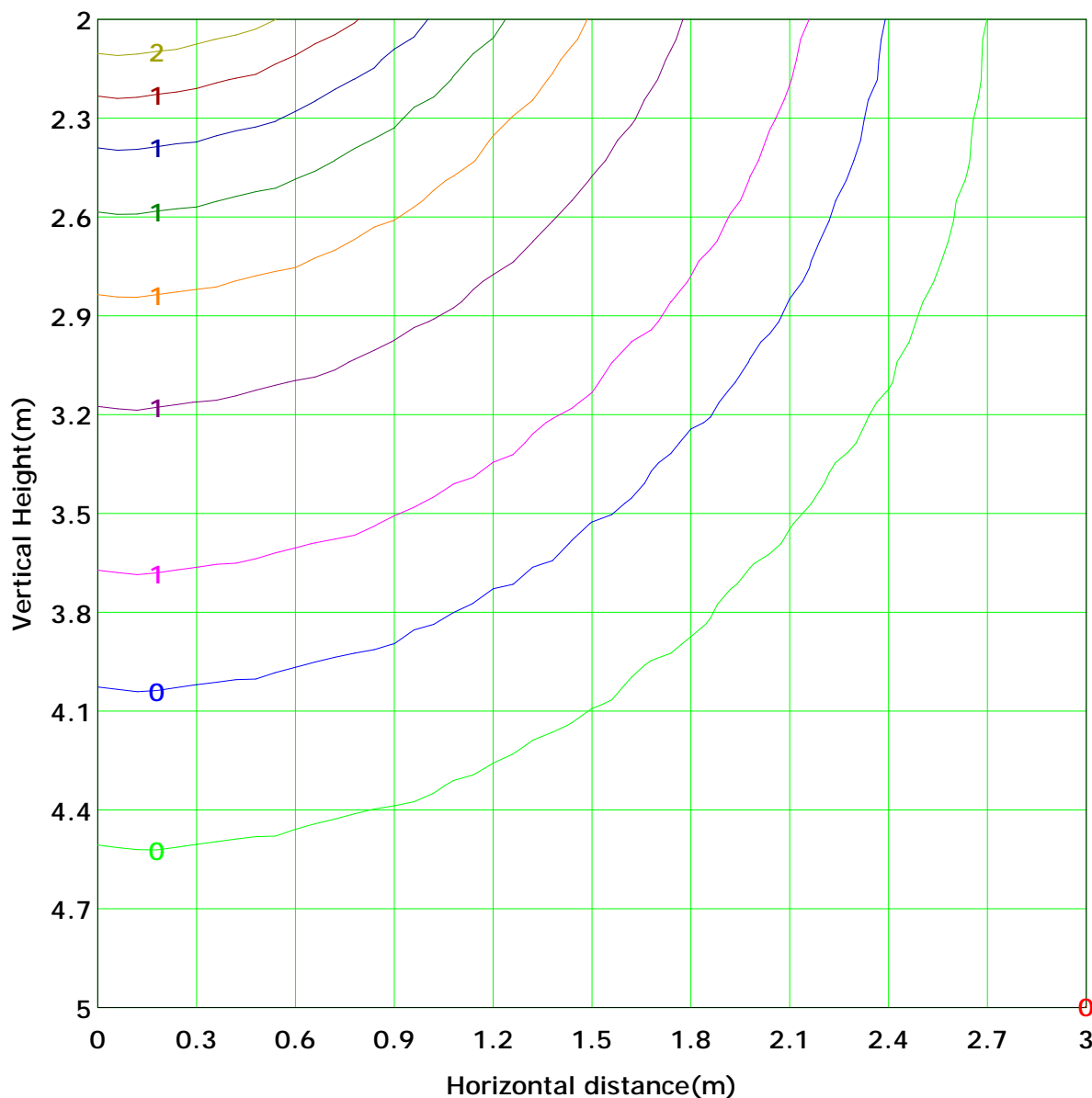


C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator: Jacky

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: 1.7 lx
( 10%): 0.2 lx	( 20%): 0.3 lx	( 30%): 0.5 lx
( 25%): 0.4 lx	( 50%): 0.8 lx	( 70%): 1.2 lx
( 40%): 0.7 lx	( 90%): 1.5 lx	
( 60%): 1.0 lx		
( 80%): 1.3 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:

## Area Flux Table

Unit: lm

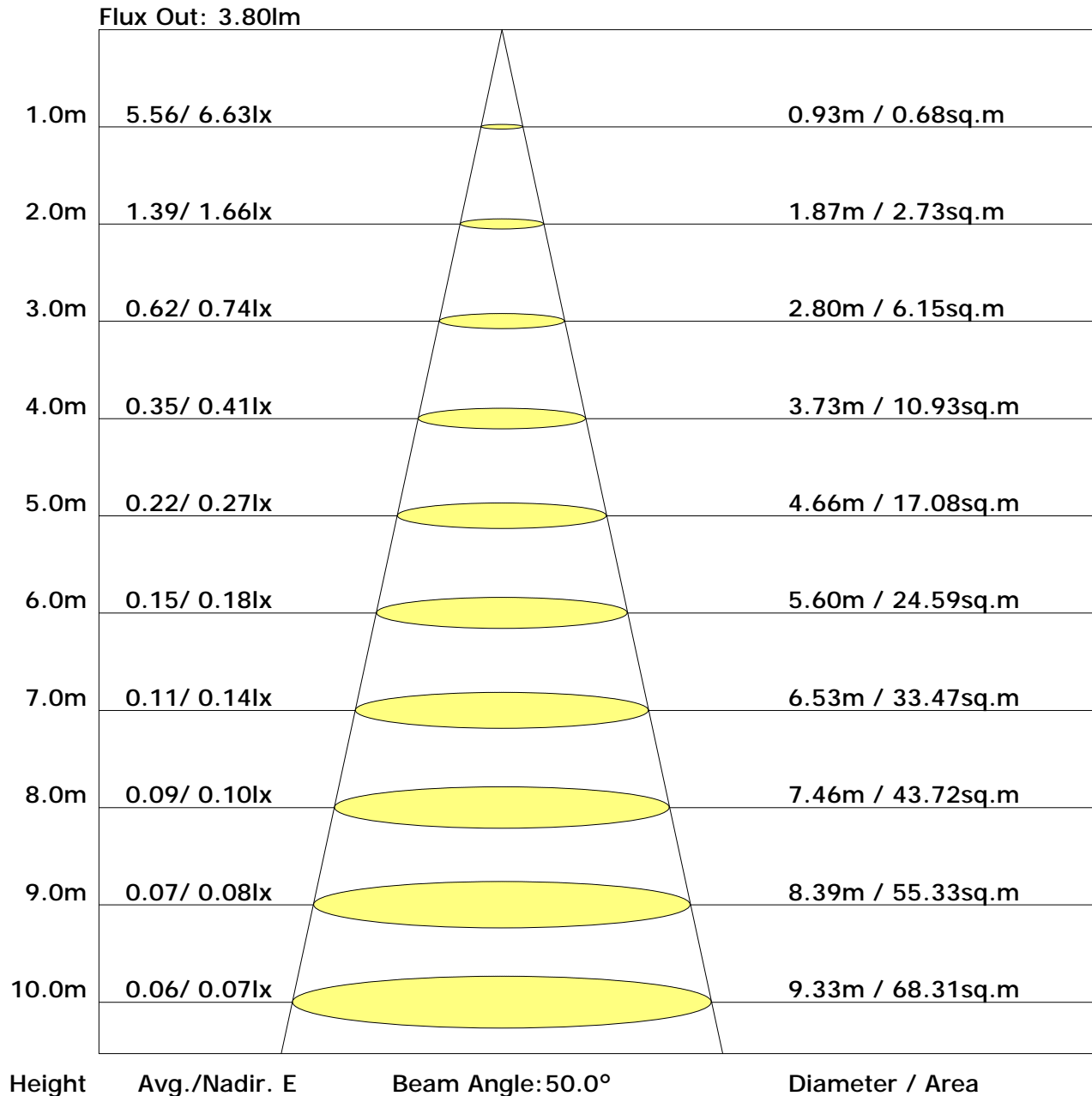
		Vertical plane																				
		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
Horizontal plane	-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	-80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1
	-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	0.4	0.1
	-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	0.8	0.4
	-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	1.3	0.8
	-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	1.8	1.3
	-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	2.2	1.8
	-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	2.5	2.2
	-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	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	2.7	2.7
	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	2.7
	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	2.5
	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	1.8	2.2
	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	1.3	1.8
	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	1.3
	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	0.5	0.8
	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	0.2	0.5
	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	0.2
	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
																					24	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:



## 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	17.1	18.4	17.7	19.1	19.8	17.4	18.7	18.0	19.4	20.1
3H	19.1	20.3	19.7	21.0	21.7	19.5	20.8	20.2	21.4	22.2
4H	19.9	21.1	20.5	21.7	22.5	20.5	21.6	21.1	22.3	23.1
6H	20.5	21.6	21.2	22.3	23.1	21.3	22.4	22.0	23.1	23.9
8H	20.8	21.8	21.5	22.5	23.3	21.7	22.8	22.4	23.5	24.2
12H	21.0	22.0	21.6	22.6	23.5	22.1	23.1	22.8	23.8	24.6
X=4H Y=2H	17.7	18.9	18.3	19.5	20.3	18.0	19.2	18.7	19.8	20.6
3H	19.9	20.9	20.5	21.6	22.4	20.4	21.4	21.1	22.1	22.9
4H	20.8	21.7	21.5	22.4	23.2	21.5	22.4	22.2	23.1	23.9
6H	21.6	22.4	22.3	23.1	24.0	22.5	23.3	23.2	24.1	24.9
8H	21.9	22.7	22.6	23.4	24.2	23.0	23.8	23.7	24.5	25.3
12H	22.2	22.8	22.9	23.6	24.4	23.5	24.2	24.2	24.9	25.7
X=8H Y=4H	21.2	22.0	21.9	22.7	23.5	21.9	22.6	22.6	23.4	24.2
6H	22.1	22.8	22.9	23.5	24.4	23.1	23.7	23.8	24.5	25.3
8H	22.5	23.1	23.3	23.9	24.7	23.7	24.3	24.4	25.1	25.9
12H	22.9	23.4	23.6	24.2	25.1	24.3	24.8	25.1	25.6	26.5
X=12H Y=4H	21.3	22.0	22.0	22.7	23.5	21.9	22.6	22.6	23.4	24.2
6H	22.3	22.9	23.0	23.6	24.5	23.2	23.8	24.0	24.5	25.4
8H	22.7	23.3	23.5	24.0	24.9	23.9	24.4	24.6	25.2	26.1

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 = 1.50									
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	0.51	0.59	0.66	0.71	0.78	0.83	0.86	0.91	0.94	
	0.30		0.43	0.51	0.58	0.63	0.71	0.77	0.81	0.86	0.90	
	0.20		0.37	0.45	0.52	0.58	0.66	0.72	0.76	0.82	0.87	
0.50	0.50	0.20	0.47	0.55	0.61	0.66	0.72	0.76	0.80	0.84	0.87	
	0.30		0.41	0.48	0.55	0.59	0.67	0.71	0.75	0.80	0.84	
	0.20		0.36	0.43	0.50	0.54	0.62	0.67	0.71	0.77	0.81	
0.30	0.50	0.20	0.44	0.51	0.57	0.61	0.67	0.71	0.73	0.77	0.80	
	0.30		0.39	0.45	0.51	0.56	0.62	0.67	0.70	0.74	0.77	
	0.20		0.34	0.41	0.47	0.52	0.58	0.63	0.67	0.71	0.75	
0.00	0.00	0.00	0.31	0.36	0.42	0.46	0.52	0.56	0.59	0.63	0.66	
Rating: 6W 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	0.99	0.85	0.73	0.65	0.53	0.45	0.39	0.31	0.25	
	0.30		0.82	0.73	0.64	0.57	0.48	0.41	0.36	0.29	0.24	
	0.20		0.70	0.63	0.56	0.51	0.43	0.38	0.33	0.27	0.23	
0.50	0.50	0.20	0.91	0.79	0.68	0.60	0.49	0.44	0.36	0.28	0.24	
	0.30		0.77	0.68	0.60	0.53	0.45	0.38	0.33	0.27	0.23	
	0.20		0.67	0.60	0.53	0.48	0.41	0.36	0.31	0.26	0.22	
0.30	0.50	0.20	0.85	0.73	0.62	0.55	0.45	0.38	0.33	0.26	0.22	
	0.30		0.73	0.64	0.56	0.50	0.42	0.36	0.31	0.25	0.21	
	0.20		0.64	0.57	0.51	0.46	0.39	0.33	0.30	0.24	0.20	
0.00	0.00	0.00	0.52	0.46	0.40	0.36	0.30	0.26	0.23	0.19	0.16	
<p>Rating: 6W 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 = 1.50									
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	0.34	0.35	0.36	0.36	0.37	0.38	0.38	0.39	0.39	
	0.30		0.27	0.28	0.30	0.31	0.32	0.33	0.34	0.35	0.36	
	0.20		0.22	0.23	0.25	0.26	0.28	0.29	0.30	0.32	0.33	
0.50	0.50	0.20	0.32	0.34	0.35	0.35	0.36	0.36	0.37	0.37	0.37	
	0.30		0.26	0.28	0.29	0.30	0.31	0.32	0.33	0.34	0.35	
	0.20		0.22	0.23	0.24	0.25	0.27	0.28	0.29	0.31	0.32	
0.30	0.50	0.20	0.31	0.33	0.33	0.34	0.35	0.35	0.35	0.36	0.36	
	0.30		0.26	0.27	0.28	0.29	0.30	0.31	0.32	0.33	0.33	
	0.20		0.22	0.23	0.24	0.25	0.27	0.28	0.29	0.30	0.31	
0.00	0.00	0.00	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	
Rating: 6W 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	6.7	0.0	0.0	0.02	0.02
1.0-2.0	6.7	0.0	0.0	0.07	0.09
2.0-3.0	6.7	0.0	0.1	0.11	0.20
3.0-4.0	6.7	0.0	0.1	0.15	0.35
4.0-5.0	6.7	0.1	0.2	0.20	0.55
5.0-6.0	6.6	0.1	0.2	0.24	0.79
6.0-7.0	6.6	0.1	0.3	0.28	1.07
7.0-8.0	6.6	0.1	0.4	0.33	1.40
8.0-9.0	6.6	0.1	0.5	0.37	1.77
9.0-10.0	6.6	0.1	0.6	0.41	2.19
10.0-11.0	6.6	0.1	0.8	0.46	2.64
11.0-12.0	6.6	0.1	0.9	0.50	3.14
12.0-13.0	6.6	0.2	1.1	0.54	3.68
13.0-14.0	6.6	0.2	1.2	0.58	4.26
14.0-15.0	6.5	0.2	1.4	0.62	4.88
15.0-16.0	6.5	0.2	1.6	0.66	5.54
16.0-17.0	6.5	0.2	1.8	0.70	6.23
17.0-18.0	6.5	0.2	2.0	0.74	6.97
18.0-19.0	6.4	0.2	2.2	0.77	7.74
19.0-20.0	6.4	0.2	2.5	0.81	8.55
20.0-21.0	6.4	0.2	2.7	0.84	9.39
21.0-22.0	6.3	0.3	3.0	0.88	10.27
22.0-23.0	6.3	0.3	3.2	0.91	11.18
23.0-24.0	6.3	0.3	3.5	0.94	12.13
24.0-25.0	6.2	0.3	3.8	0.98	13.11
25.0-26.0	6.2	0.3	4.1	1.01	14.11
26.0-27.0	6.1	0.3	4.4	1.04	15.15
27.0-28.0	6.1	0.3	4.7	1.06	16.22
28.0-29.0	6.0	0.3	5.0	1.09	17.31
29.0-30.0	6.0	0.3	5.3	1.12	18.42
30.0-31.0	5.9	0.3	5.7	1.14	19.56
31.0-32.0	5.9	0.3	6.0	1.16	20.72
32.0-33.0	5.8	0.3	6.3	1.18	21.91
33.0-34.0	5.8	0.3	6.7	1.20	23.11
34.0-35.0	5.7	0.4	7.1	1.22	24.33
35.0-36.0	5.6	0.4	7.4	1.24	25.57

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	5.6	0.4	7.8	1.26	26.83
37.0-38.0	5.5	0.4	8.1	1.27	28.10
38.0-39.0	5.5	0.4	8.5	1.28	29.38
39.0-40.0	5.4	0.4	8.9	1.30	30.68
40.0-41.0	5.3	0.4	9.3	1.30	31.98
41.0-42.0	5.2	0.4	9.6	1.31	33.29
42.0-43.0	5.2	0.4	10.0	1.32	34.62
43.0-44.0	5.1	0.4	10.4	1.33	35.94
44.0-45.0	5.0	0.4	10.8	1.33	37.28
45.0-46.0	4.9	0.4	11.2	1.33	38.61
46.0-47.0	4.9	0.4	11.6	1.34	39.95
47.0-48.0	4.8	0.4	12.0	1.34	41.28
48.0-49.0	4.7	0.4	12.4	1.34	42.62
49.0-50.0	4.6	0.4	12.7	1.33	43.95
50.0-51.0	4.5	0.4	13.1	1.33	45.28
51.0-52.0	4.5	0.4	13.5	1.32	46.60
52.0-53.0	4.4	0.4	13.9	1.32	47.92
53.0-54.0	4.3	0.4	14.3	1.31	49.23
54.0-55.0	4.2	0.4	14.6	1.30	50.53
55.0-56.0	4.1	0.4	15.0	1.29	51.81
56.0-57.0	4.0	0.4	15.4	1.28	53.09
57.0-58.0	4.0	0.4	15.8	1.26	54.35
58.0-59.0	3.9	0.4	16.1	1.25	55.60
59.0-60.0	3.8	0.4	16.5	1.23	56.83
60.0-61.0	3.7	0.4	16.8	1.22	58.05
61.0-62.0	3.6	0.3	17.2	1.20	59.24
62.0-63.0	3.5	0.3	17.5	1.18	60.42
63.0-64.0	3.4	0.3	17.8	1.16	61.58
64.0-65.0	3.3	0.3	18.2	1.14	62.72
65.0-66.0	3.2	0.3	18.5	1.11	63.83
66.0-67.0	3.1	0.3	18.8	1.09	64.92
67.0-68.0	3.1	0.3	19.1	1.07	65.99
68.0-69.0	3.0	0.3	19.4	1.04	67.03
69.0-70.0	2.9	0.3	19.7	1.01	68.04
70.0-71.0	2.8	0.3	20.0	0.99	69.03
71.0-72.0	2.7	0.3	20.3	0.96	69.99

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	2.6	0.3	20.6	0.93	70.93
73.0-74.0	2.5	0.3	20.8	0.90	71.83
74.0-75.0	2.4	0.3	21.1	0.87	72.70
75.0-76.0	2.3	0.2	21.3	0.84	73.55
76.0-77.0	2.2	0.2	21.5	0.82	74.36
77.0-78.0	2.1	0.2	21.8	0.78	75.15
78.0-79.0	2.0	0.2	22.0	0.75	75.89
79.0-80.0	1.9	0.2	22.2	0.71	76.60
80.0-81.0	1.8	0.2	22.4	0.68	77.29
81.0-82.0	1.7	0.2	22.6	0.65	77.94
82.0-83.0	1.6	0.2	22.8	0.62	78.56
83.0-84.0	1.6	0.2	22.9	0.59	79.15
84.0-85.0	1.5	0.2	23.1	0.56	79.70
85.0-86.0	1.4	0.2	23.2	0.52	80.22
86.0-87.0	1.3	0.1	23.4	0.49	80.71
87.0-88.0	1.3	0.1	23.5	0.47	81.19
88.0-89.0	1.2	0.1	23.7	0.45	81.64
89.0-90.0	1.2	0.1	23.8	0.44	82.08
90.0-91.0	1.1	0.1	23.9	0.43	82.51
91.0-92.0	1.1	0.1	24.0	0.42	82.93
92.0-93.0	1.1	0.1	24.2	0.42	83.35
93.0-94.0	1.1	0.1	24.3	0.42	83.76
94.0-95.0	1.1	0.1	24.4	0.41	84.17
95.0-96.0	1.1	0.1	24.5	0.41	84.58
96.0-97.0	1.1	0.1	24.6	0.41	84.99
97.0-98.0	1.1	0.1	24.7	0.40	85.39
98.0-99.0	1.1	0.1	24.9	0.40	85.79
99.0-100.0	1.1	0.1	25.0	0.40	86.19
100.0-101.0	1.1	0.1	25.1	0.39	86.58
101.0-102.0	1.1	0.1	25.2	0.39	86.97
102.0-103.0	1.0	0.1	25.3	0.39	87.36
103.0-104.0	1.0	0.1	25.4	0.38	87.74
104.0-105.0	1.0	0.1	25.5	0.37	88.11
105.0-106.0	1.0	0.1	25.6	0.37	88.48
106.0-107.0	1.0	0.1	25.7	0.37	88.85
107.0-108.0	1.0	0.1	25.9	0.36	89.22

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 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	1.0	0.1	26.0	0.36	89.57
109.0-110.0	1.0	0.1	26.1	0.35	89.92
110.0-111.0	1.0	0.1	26.2	0.34	90.26
111.0-112.0	1.0	0.1	26.3	0.34	90.60
112.0-113.0	1.0	0.1	26.4	0.33	90.94
113.0-114.0	0.9	0.1	26.4	0.33	91.26
114.0-115.0	0.9	0.1	26.5	0.32	91.59
115.0-116.0	0.9	0.1	26.6	0.32	91.91
116.0-117.0	0.9	0.1	26.7	0.32	92.22
117.0-118.0	0.9	0.1	26.8	0.31	92.53
118.0-119.0	0.9	0.1	26.9	0.30	92.83
119.0-120.0	0.9	0.1	27.0	0.30	93.13
120.0-121.0	0.9	0.1	27.1	0.29	93.42
121.0-122.0	0.9	0.1	27.2	0.29	93.71
122.0-123.0	0.9	0.1	27.2	0.27	93.98
123.0-124.0	0.8	0.1	27.3	0.27	94.25
124.0-125.0	0.8	0.1	27.4	0.26	94.51
125.0-126.0	0.8	0.1	27.5	0.25	94.76
126.0-127.0	0.8	0.1	27.5	0.25	95.01
127.0-128.0	0.8	0.1	27.6	0.24	95.25
128.0-129.0	0.8	0.1	27.7	0.23	95.48
129.0-130.0	0.8	0.1	27.7	0.23	95.71
130.0-131.0	0.8	0.1	27.8	0.22	95.94
131.0-132.0	0.8	0.1	27.9	0.21	96.15
132.0-133.0	0.7	0.1	27.9	0.21	96.36
133.0-134.0	0.7	0.1	28.0	0.20	96.56
134.0-135.0	0.7	0.1	28.0	0.19	96.75
135.0-136.0	0.7	0.1	28.1	0.19	96.94
136.0-137.0	0.7	0.1	28.1	0.18	97.12
137.0-138.0	0.7	0.0	28.2	0.17	97.29
138.0-139.0	0.7	0.0	28.2	0.16	97.45
139.0-140.0	0.6	0.0	28.3	0.16	97.61
140.0-141.0	0.6	0.0	28.3	0.16	97.77
141.0-142.0	0.6	0.0	28.4	0.15	97.92
142.0-143.0	0.6	0.0	28.4	0.14	98.06
143.0-144.0	0.6	0.0	28.5	0.14	98.20

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	0.6	0.0	28.5	0.13	98.33
145.0-146.0	0.6	0.0	28.5	0.13	98.46
146.0-147.0	0.6	0.0	28.6	0.12	98.58
147.0-148.0	0.5	0.0	28.6	0.11	98.69
148.0-149.0	0.5	0.0	28.6	0.10	98.79
149.0-150.0	0.5	0.0	28.7	0.10	98.89
150.0-151.0	0.5	0.0	28.7	0.09	98.98
151.0-152.0	0.5	0.0	28.7	0.09	99.07
152.0-153.0	0.5	0.0	28.7	0.08	99.15
153.0-154.0	0.5	0.0	28.8	0.08	99.22
154.0-155.0	0.4	0.0	28.8	0.07	99.30
155.0-156.0	0.4	0.0	28.8	0.07	99.37
156.0-157.0	0.4	0.0	28.8	0.06	99.43
157.0-158.0	0.4	0.0	28.8	0.06	99.49
158.0-159.0	0.4	0.0	28.8	0.05	99.55
159.0-160.0	0.4	0.0	28.9	0.05	99.59
160.0-161.0	0.4	0.0	28.9	0.04	99.64
161.0-162.0	0.3	0.0	28.9	0.04	99.68
162.0-163.0	0.3	0.0	28.9	0.04	99.72
163.0-164.0	0.3	0.0	28.9	0.04	99.76
164.0-165.0	0.3	0.0	28.9	0.03	99.79
165.0-166.0	0.3	0.0	28.9	0.03	99.82
166.0-167.0	0.3	0.0	28.9	0.03	99.85
167.0-168.0	0.3	0.0	28.9	0.02	99.87
168.0-169.0	0.3	0.0	28.9	0.02	99.90
169.0-170.0	0.3	0.0	29.0	0.02	99.92
170.0-171.0	0.3	0.0	29.0	0.02	99.93
171.0-172.0	0.3	0.0	29.0	0.02	99.95
172.0-173.0	0.2	0.0	29.0	0.01	99.96
173.0-174.0	0.2	0.0	29.0	0.01	99.97
174.0-175.0	0.2	0.0	29.0	0.01	99.98
175.0-176.0	0.2	0.0	29.0	0.01	99.99
176.0-177.0	0.3	0.0	29.0	0.01	99.99
177.0-178.0	0.2	0.0	29.0	0.00	100.00
178.0-179.0	0.2	0.0	29.0	0.00	100.00
179.0-180.0	0.2	0.0	29.0	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: