

Report No.: 20221130

Test Time: 2022/12/5 16:44

## Luminaire Property

Luminaire Manufacturer:

Luminaire Category: Neon Contour

Luminaire Description: Neon Contour VW-All on

Lamp Catalog: NLC3.0VW-All on

Luminous Length (mm): 1000

Luminous Height (mm): 17

Current: 0.412 A

Power Factor: 1.000

Number of Lamps: 1

Luminous Width (mm): 08

Voltage: 24.0 V

Power: 9.89 W

## Photometric Results

CIE Class: Semi-Direct

Measurement Flux: 445.6 lm

Downward Ratio: 79%

Horizontal Diffuse Angle(10%,50%): H249.4,H121.9

Vertical Diffuse Angle(10%,50%): V294.5,V170.2

Luminaire Efficacy Rating (LER): 45

Max. Intensity: 92.38 cd

Total Rated Lamp Lumens: 445.6 lm

Efficiency: 100%

Upward Ratio: 21%

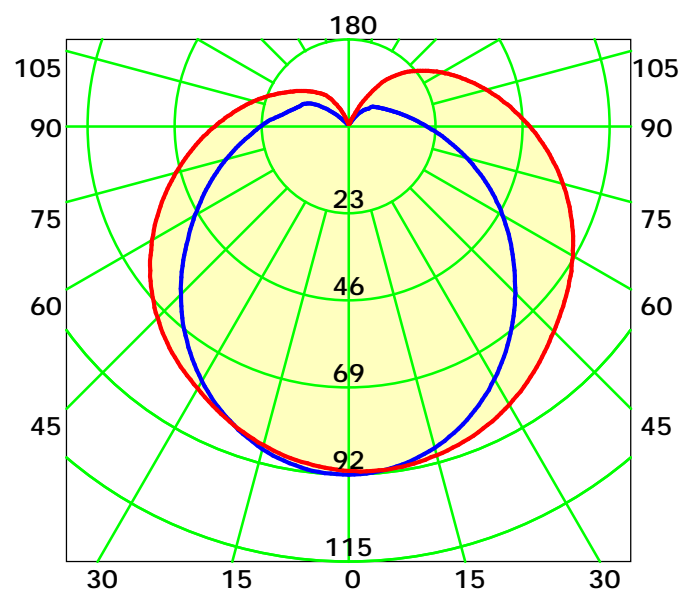
Central Intensity: 92.37 cd

Pos of Max. Intensity: H0 V0

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 146.1° 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

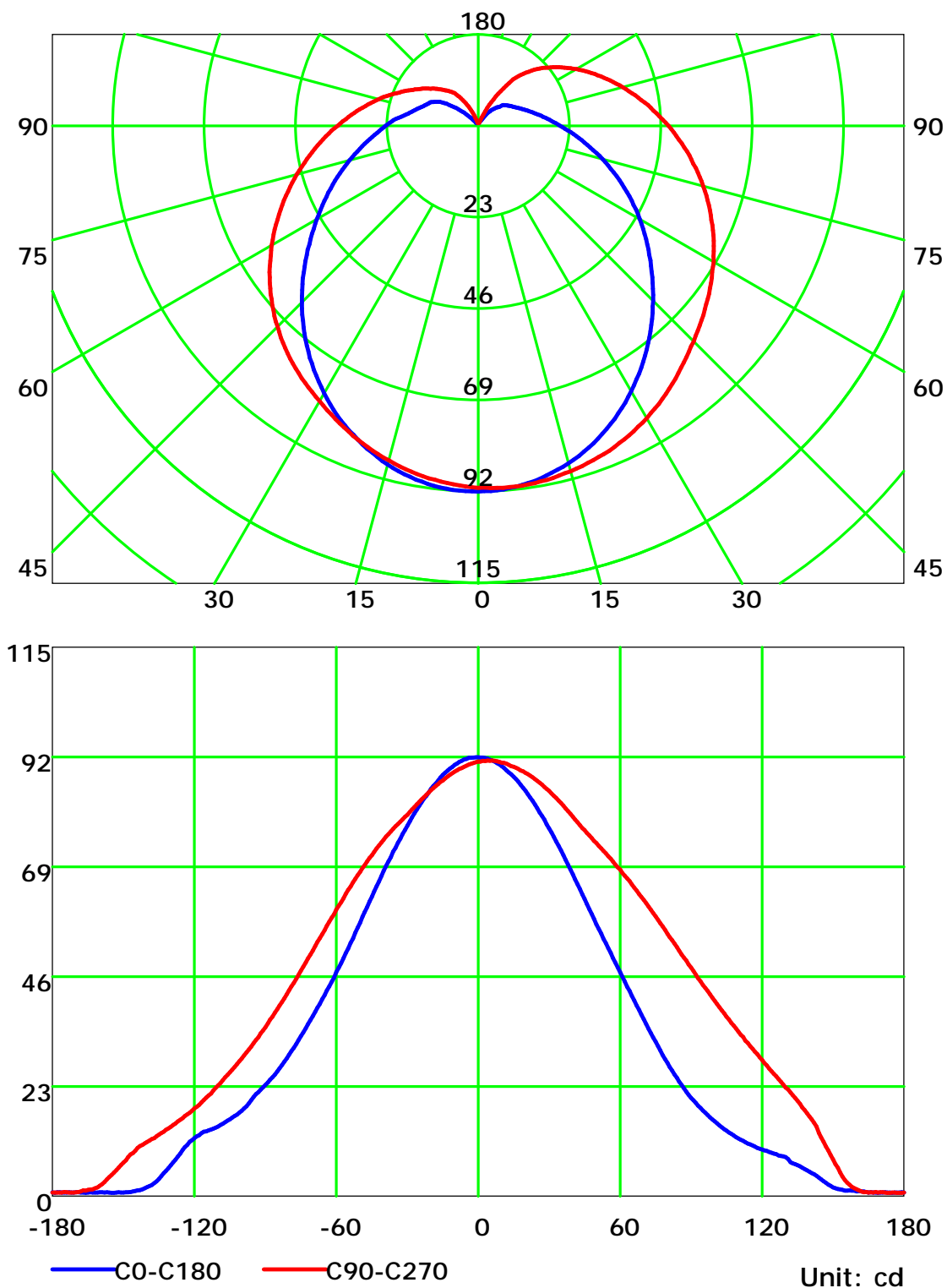
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

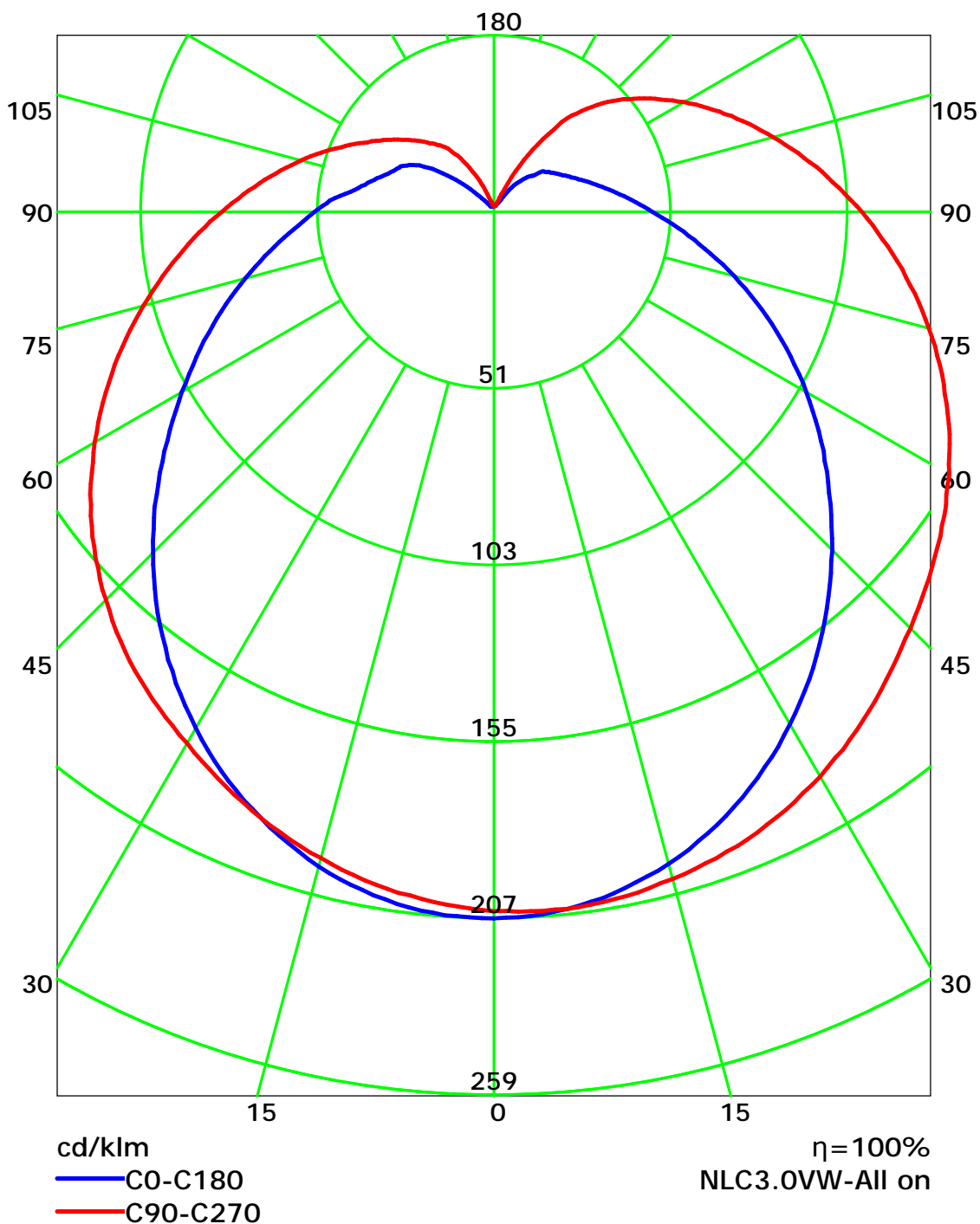
## Luminous Intensity Distribution Curve



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:

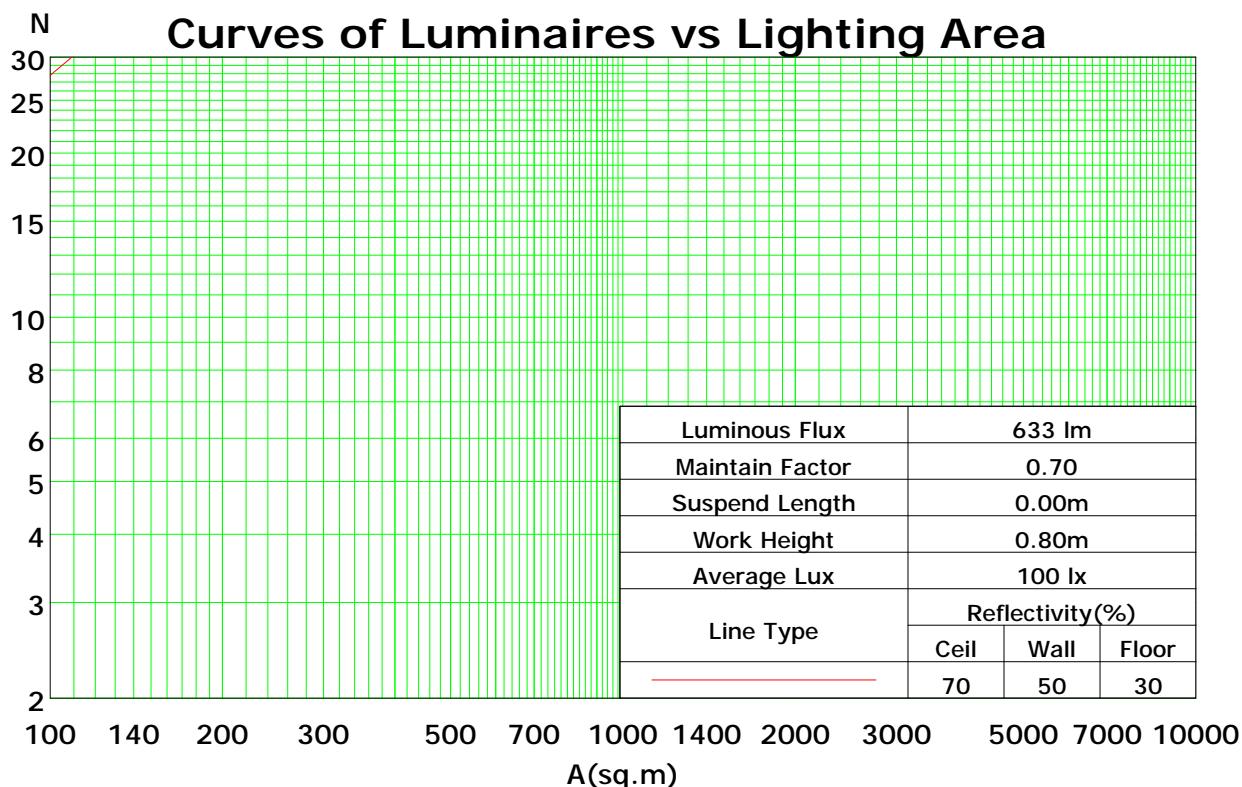
## Coefficients Of Utilization - Zonal Cavity Method

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	114	114	114	114	109	109	109	109	99	99	99	90	90	90	82	82	82	79
1	101	94	89	84	95	90	85	81	82	78	74	74	71	68	67	65	62	59
2	90	81	73	66	85	77	70	64	70	64	59	63	58	54	57	53	50	46
3	82	70	61	54	77	67	58	52	60	54	48	55	49	45	50	45	41	38
4	74	61	52	45	70	58	50	43	53	46	40	48	42	37	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	46	38	32	42	35	30	39	32	28	35	30	26	23
7	58	44	35	28	55	42	34	28	38	31	26	35	29	24	32	27	23	20
8	54	40	31	25	51	38	30	24	35	28	23	32	26	22	29	24	20	18
9	50	36	28	22	47	35	27	22	32	25	20	30	24	19	27	22	18	16
10	47	33	25	20	44	32	25	19	30	23	18	27	22	17	25	20	16	14

Spacing Criteria (0-180): 1.25

Spacing Criteria (90-270): 1.36

Spacing Criteria (Diagonal): 1.43



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

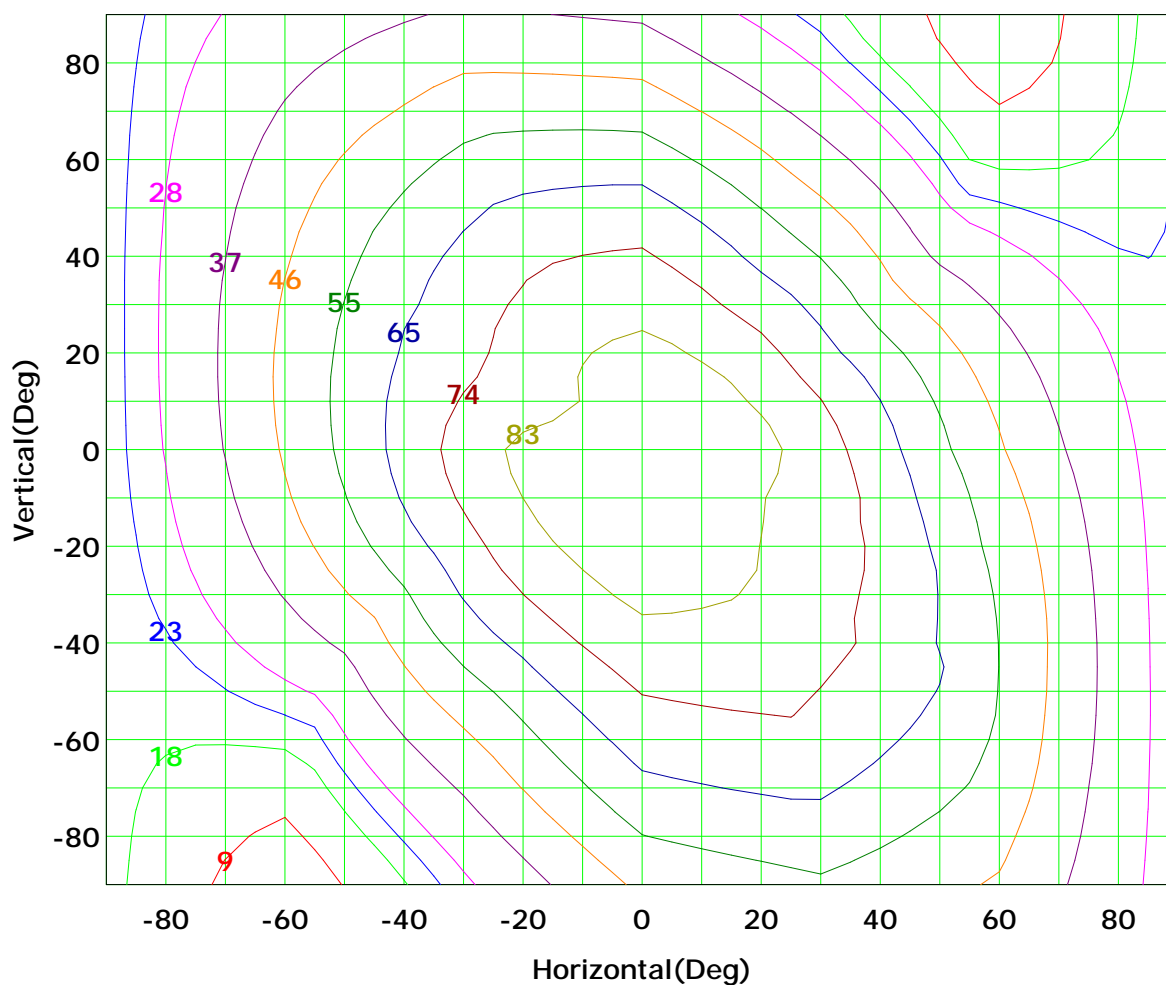
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

## Isocandela (rectangle)



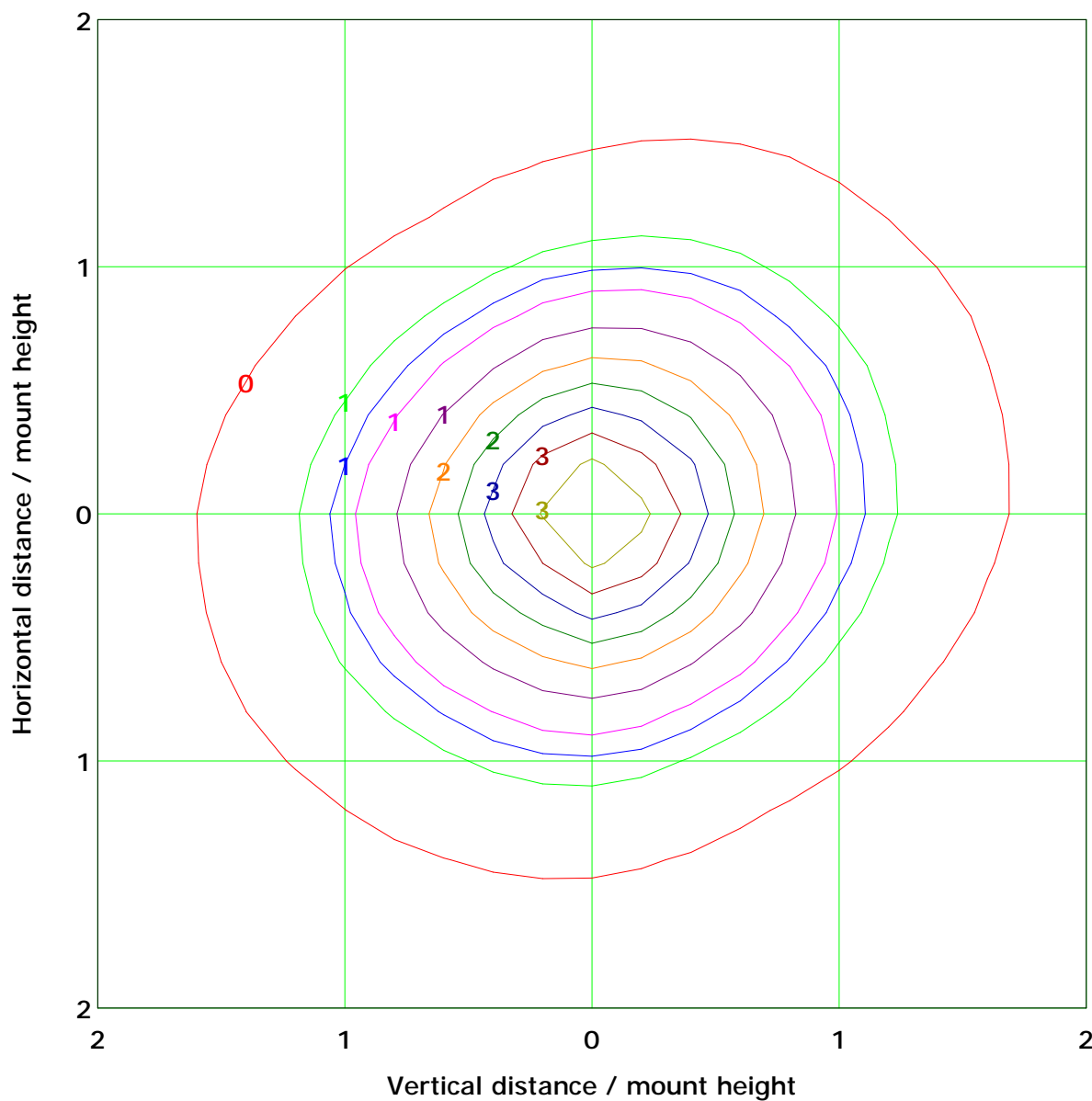
Imax (100%): 92 cd

( 10%):	9 cd	( 20%):	18 cd
( 25%):	23 cd	( 30%):	28 cd
( 40%):	37 cd	( 50%):	46 cd
( 60%):	55 cd	( 70%):	65 cd
( 80%):	74 cd	( 90%):	83 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%): 3.7 lx

( 10%): 0.4 lx	( 20%): 0.7 lx
( 25%): 0.9 lx	( 30%): 1.1 lx
( 40%): 1.5 lx	( 50%): 1.8 lx
( 60%): 2.2 lx	( 70%): 2.6 lx
( 80%): 3.0 lx	( 90%): 3.3 lx

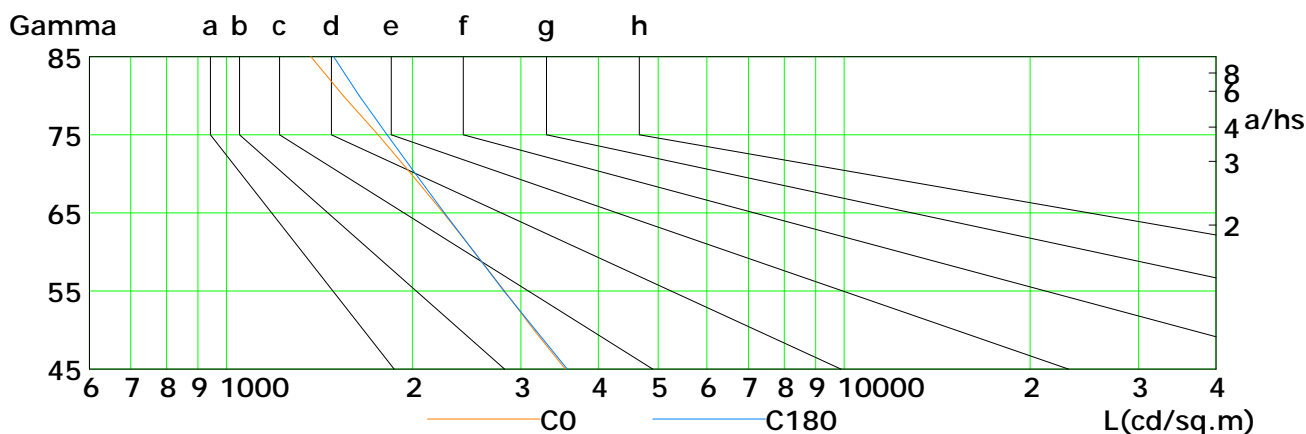
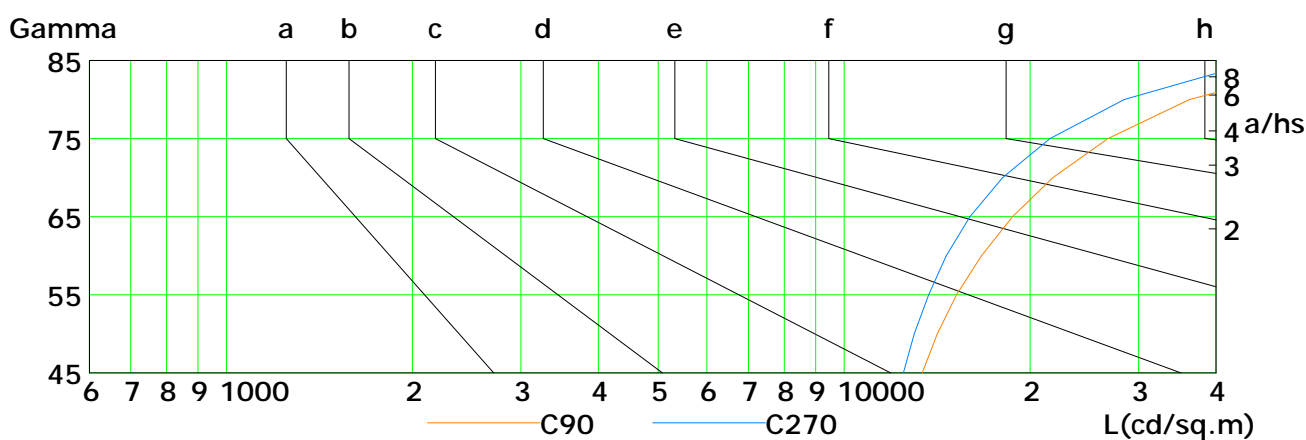
C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator: Jacky

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

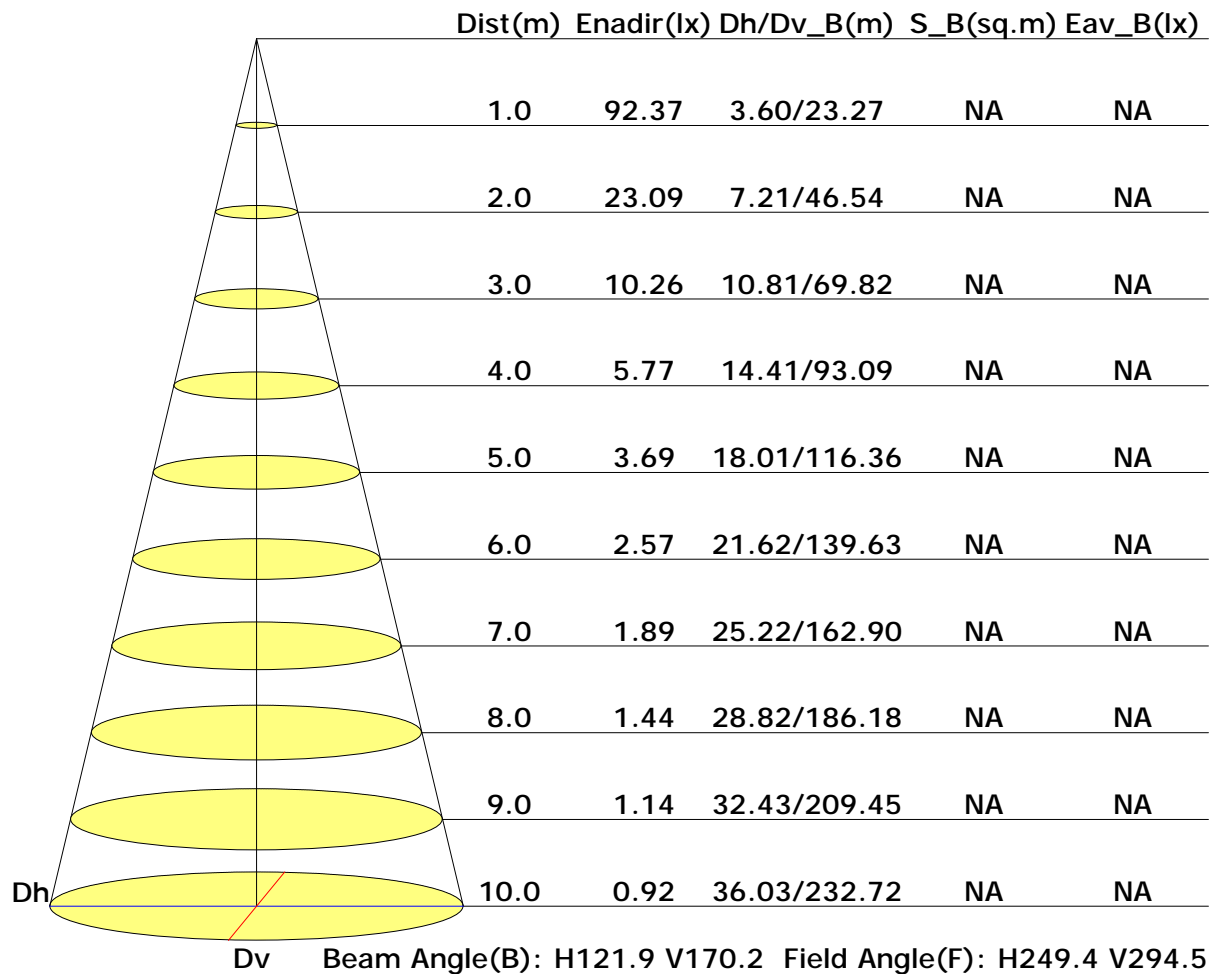


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	3539	3149	2820	2518	2246	1991	1760	1547	1371
C90	13389	14164	15213	16696	18729	21771	26740	36255	62073
C180	3566	3169	2815	2519	2255	2026	1821	1642	1492
C270	12473	12999	13713	14644	15981	18052	21558	28422	47290

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

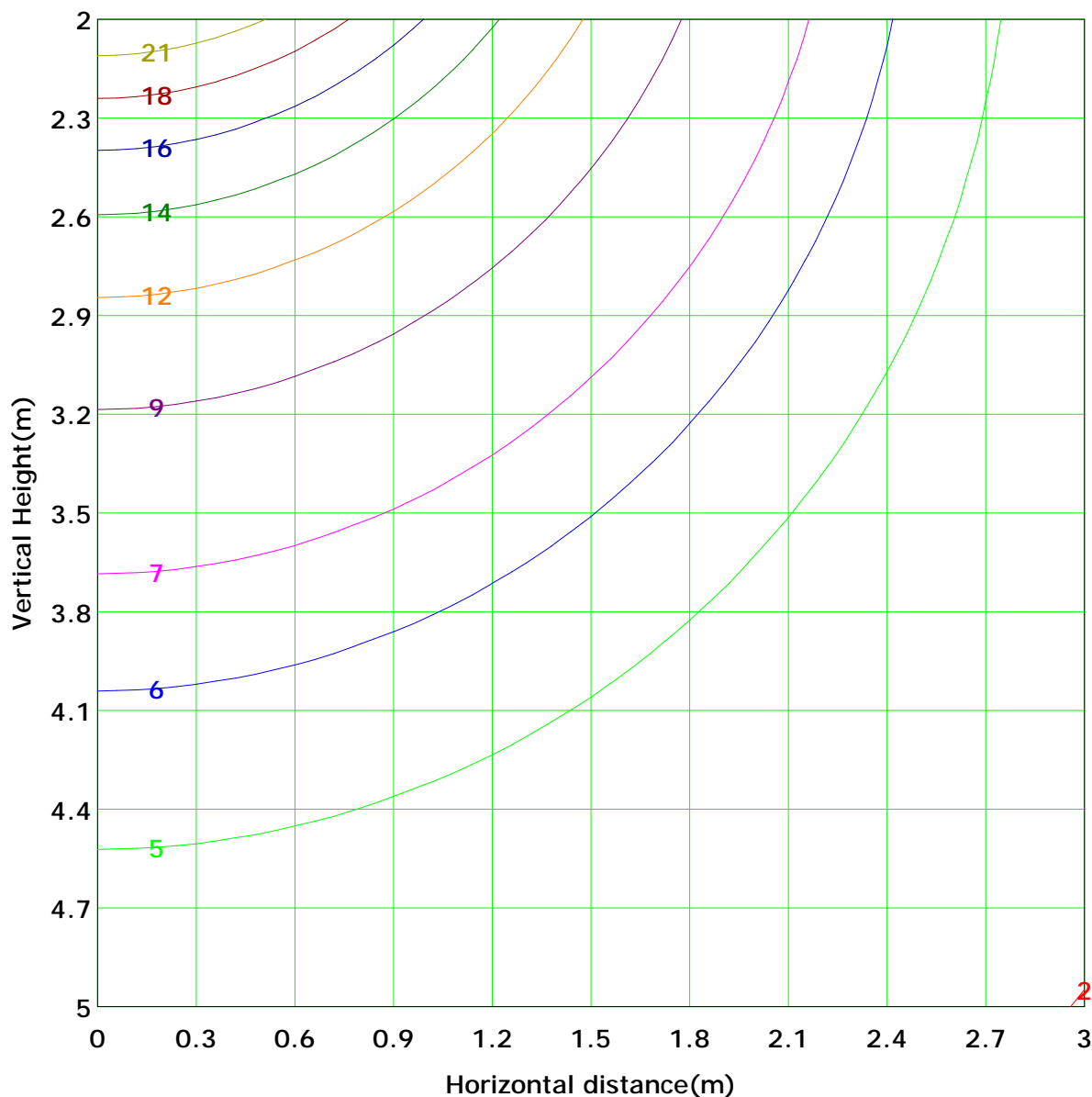
Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 9.028 m  
Humidity: 60%  
Inspector:

## Illuminance at a Distance





## Vertical IsoLux Plot



Lowest(m): 2.0m	Highest(m): 5.0m	Max Lux: 23.1 lx
( 10%): 2.3 lx	( 20%): 4.6 lx	
( 25%): 5.8 lx	( 30%): 6.9 lx	
( 40%): 9.2 lx	( 50%): 11.5 lx	
( 60%): 13.9 lx	( 70%): 16.2 lx	
( 80%): 18.5 lx	( 90%): 20.8 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

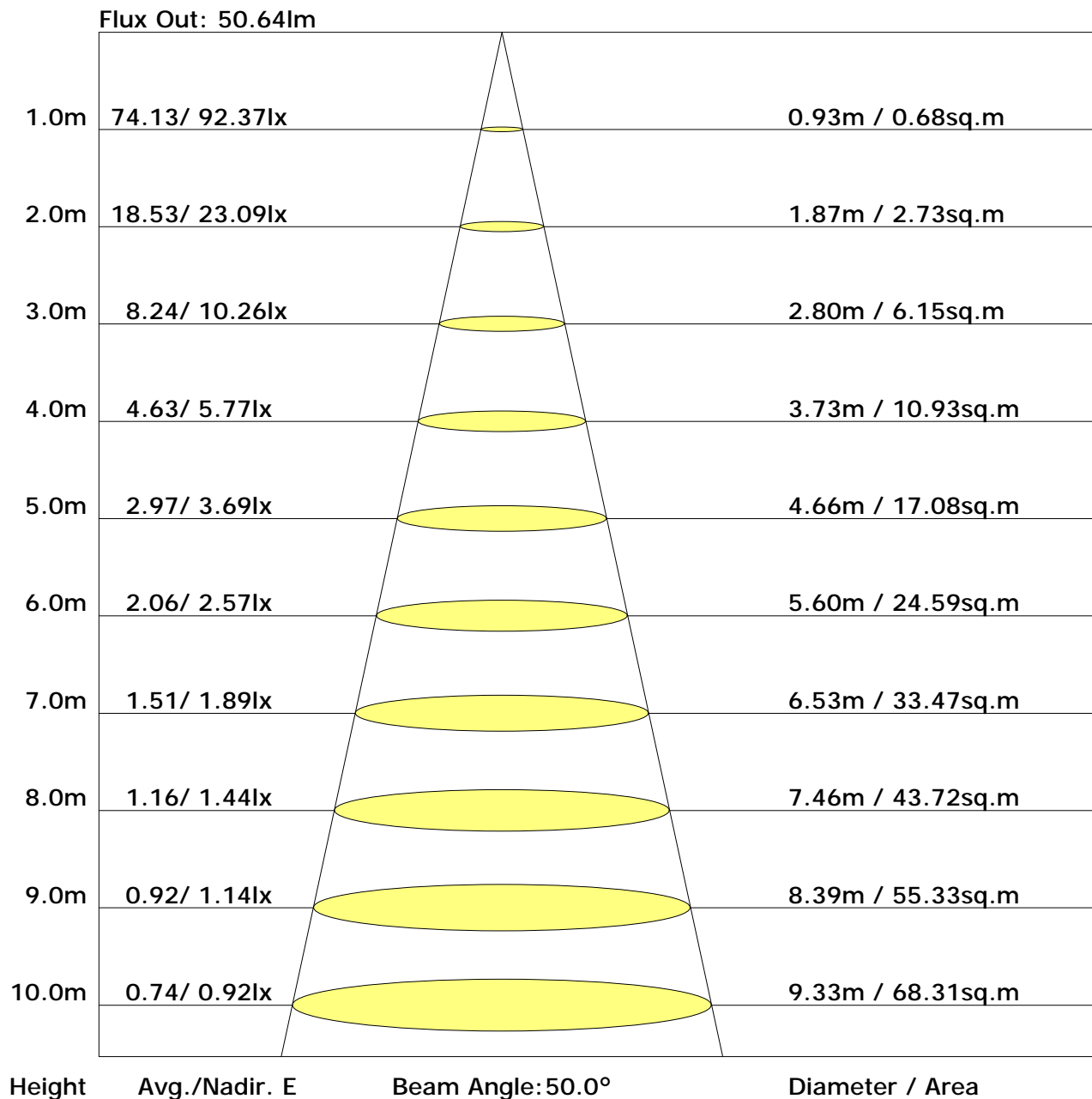
Vertical plane		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
Horizontal plane	-90	0.0	0.1	0.1	0.1	0.3	0.5	0.7	0.9	1.1	1.2	1.2	1.1	1.0	0.8	0.6	0.4	0.2	0.1	0.1	10.5	10.3
	-80	0.1	0.1	0.1	0.2	0.4	0.7	0.9	1.1	1.4	1.4	1.4	1.3	1.2	0.9	0.7	0.4	0.2	0.1	0.1	12.6	12.5
	-70	0.1	0.1	0.2	0.3	0.5	0.8	1.1	1.4	1.6	1.7	1.7	1.5	1.3	1.0	0.7	0.5	0.2	0.1	0.1	14.8	14.8
	-60	0.1	0.2	0.3	0.4	0.7	1.0	1.3	1.6	1.9	1.9	1.9	1.7	1.4	1.1	0.8	0.5	0.2	0.1	0.1	17.0	17.0
	-50	0.1	0.2	0.3	0.5	0.8	1.2	1.5	1.8	2.1	2.2	2.1	1.9	1.5	1.2	0.8	0.5	0.3	0.1	0.1	19.0	19.0
	-40	0.1	0.2	0.4	0.6	0.9	1.3	1.7	2.0	2.3	2.3	2.2	2.0	1.6	1.3	0.9	0.5	0.3	0.1	0.1	20.8	20.8
	-30	0.1	0.2	0.4	0.7	1.1	1.5	1.9	2.2	2.5	2.5	2.3	2.0	1.7	1.3	0.9	0.6	0.3	0.1	0.1	22.3	22.3
	-20	0.1	0.2	0.5	0.8	1.2	1.7	2.1	2.4	2.6	2.6	2.4	2.1	1.7	1.3	0.9	0.6	0.3	0.1	0.1	23.6	23.6
	-10	0.1	0.3	0.5	0.9	1.3	1.8	2.2	2.6	2.7	2.7	2.5	2.2	1.8	1.4	0.9	0.6	0.3	0.1	0.1	24.6	24.6
	0	0.1	0.3	0.6	1.0	1.4	1.9	2.3	2.5	2.7	2.8	2.6	2.2	1.8	1.3	0.9	0.5	0.3	0.1	0.1	25.0	25.0
	10	0.1	0.3	0.6	1.0	1.4	1.9	2.2	2.5	2.7	2.7	2.5	2.1	1.7	1.3	0.8	0.5	0.2	0.1	0.1	24.7	24.7
	20	0.1	0.3	0.6	1.0	1.5	1.9	2.2	2.5	2.6	2.6	2.4	2.0	1.6	1.1	0.8	0.5	0.2	0.1	0.1	23.9	23.9
	30	0.1	0.3	0.6	1.0	1.5	1.9	2.2	2.4	2.5	2.4	2.2	1.8	1.4	1.0	0.7	0.4	0.2	0.1	0.1	22.7	22.7
	40	0.1	0.3	0.6	1.1	1.4	1.8	2.1	2.3	2.3	2.2	2.0	1.6	1.3	0.9	0.6	0.3	0.2	0.1	0.1	21.3	21.3
	50	0.1	0.3	0.6	1.0	1.4	1.7	2.0	2.2	2.2	2.1	1.8	1.4	1.1	0.8	0.4	0.3	0.2	0.1	0.1	19.6	19.6
	60	0.1	0.3	0.6	1.0	1.3	1.7	1.9	2.0	2.0	1.9	1.6	1.3	0.9	0.6	0.3	0.2	0.1	0.1	0.1	17.9	17.9
	70	0.1	0.3	0.6	0.9	1.2	1.5	1.7	1.8	1.8	1.7	1.4	1.1	0.8	0.5	0.2	0.1	0.1	0.0	0.0	16.0	15.9
	80	0.1	0.3	0.6	0.9	1.1	1.4	1.6	1.6	1.6	1.5	1.2	0.9	0.6	0.4	0.1	0.1	0.1	0.0	0.0	13.9	13.8
	90	1.2	4.3	8.3	13.3	19.6	26.1	31.8	36.0	38.6	38.3	35.1	30.3	24.5	18.1	12.1	7.4	3.8	1.1	0.0	350	350

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	18.7	20.1	19.4	20.7	21.5	18.4	19.7	19.0	20.4	21.2
3H	21.2	22.5	21.9	23.1	24.0	20.7	22.0	21.4	22.6	23.5
4H	22.5	23.6	23.1	24.3	25.2	21.8	23.0	22.5	23.7	24.5
6H	23.8	24.8	24.5	25.6	26.4	22.9	24.0	23.6	24.7	25.5
8H	24.4	25.5	25.1	26.2	27.1	23.4	24.4	24.1	25.2	26.0
12H	25.2	26.2	25.9	27.0	27.8	23.9	24.9	24.6	25.6	26.5
X=4H Y=2H	19.2	20.3	19.8	21.0	21.9	19.1	20.3	19.8	21.0	21.8
3H	21.8	22.8	22.5	23.5	24.3	21.7	22.7	22.4	23.4	24.3
4H	23.1	24.0	23.8	24.7	25.6	23.0	23.9	23.7	24.6	25.5
6H	24.5	25.3	25.2	26.1	26.9	24.2	25.0	24.9	25.8	26.7
8H	25.2	26.0	26.0	26.8	27.7	24.8	25.6	25.5	26.3	27.2
12H	26.1	26.8	26.8	27.6	28.5	25.4	26.1	26.1	26.8	27.8
X=8H Y=4H	23.3	24.1	24.1	24.9	25.8	23.4	24.2	24.2	25.0	25.9
6H	24.8	25.5	25.6	26.3	27.2	24.9	25.5	25.6	26.3	27.2
8H	25.6	26.2	26.4	27.0	28.0	25.6	26.2	26.4	27.0	27.9
12H	26.6	27.1	27.4	27.9	28.9	26.4	26.9	27.1	27.7	28.6
X=12H Y=4H	23.4	24.1	24.1	24.9	25.8	23.5	24.2	24.3	25.0	25.9
6H	24.9	25.5	25.7	26.3	27.2	25.0	25.7	25.8	26.4	27.4
8H	25.8	26.3	26.5	27.1	28.1	25.9	26.4	26.6	27.2	28.2

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	0.55	0.62	0.67	0.74	0.79	0.83	0.88	0.91	
	0.30		0.40	0.47	0.54	0.60	0.67	0.73	0.77	0.83	0.87	
	0.20		0.34	0.41	0.48	0.53	0.61	0.67	0.72	0.78	0.83	
0.50	0.50	0.20	0.44	0.51	0.57	0.62	0.68	0.72	0.76	0.80	0.83	
	0.30		0.37	0.44	0.50	0.55	0.62	0.67	0.71	0.76	0.79	
	0.20		0.32	0.39	0.45	0.50	0.57	0.62	0.66	0.72	0.76	
0.30	0.50	0.20	0.41	0.47	0.52	0.56	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	0.69	0.73	
	0.20		0.31	0.36	0.42	0.47	0.53	0.58	0.61	0.66	0.70	
0.00	0.00	0.00	0.26	0.31	0.37	0.40	0.46	0.50	0.53	0.57	0.61	
Rating: 10W 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		0.84	0.75	0.67	0.60	0.51	0.44	0.39	0.32	0.27
	0.20		0.72	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	0.86	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	0.52	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: 10W 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	0.40	0.40	0.41	0.42	0.42	0.42	0.43	
	0.30		0.30	0.32	0.33	0.34	0.35	0.36	0.37	0.38	0.39	
	0.20		0.25	0.27	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	0.39	0.39	0.40	0.40	0.41	0.41	
	0.30		0.30	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	0.39	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	0.31	0.32	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: 10W 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	90.2	0.1	0.1	0.02	0.02
1.0-2.0	90.2	0.3	0.3	0.06	0.08
2.0-3.0	90.1	0.4	0.8	0.10	0.17
3.0-4.0	90.0	0.6	1.4	0.14	0.31
4.0-5.0	89.8	0.8	2.2	0.17	0.48
5.0-6.0	89.7	0.9	3.1	0.21	0.69
6.0-7.0	89.6	1.1	4.2	0.25	0.94
7.0-8.0	89.4	1.3	5.5	0.29	1.23
8.0-9.0	89.2	1.4	6.9	0.32	1.56
9.0-10.0	88.9	1.6	8.5	0.36	1.92
10.0-11.0	88.7	1.8	10.3	0.40	2.31
11.0-12.0	88.4	1.9	12.2	0.43	2.75
12.0-13.0	88.1	2.1	14.3	0.47	3.22
13.0-14.0	87.7	2.2	16.6	0.50	3.72
14.0-15.0	87.3	2.4	19.0	0.54	4.26
15.0-16.0	86.9	2.5	21.5	0.57	4.83
16.0-17.0	86.5	2.7	24.2	0.60	5.43
17.0-18.0	86.0	2.8	27.1	0.64	6.07
18.0-19.0	85.5	3.0	30.0	0.67	6.74
19.0-20.0	85.1	3.1	33.1	0.70	7.44
20.0-21.0	84.6	3.2	36.4	0.73	8.17
21.0-22.0	84.0	3.4	39.8	0.76	8.93
22.0-23.0	83.5	3.5	43.3	0.79	9.71
23.0-24.0	82.8	3.6	46.9	0.81	10.52
24.0-25.0	82.3	3.7	50.6	0.84	11.36
25.0-26.0	81.7	3.9	54.5	0.87	12.23
26.0-27.0	81.0	4.0	58.5	0.89	13.12
27.0-28.0	80.4	4.1	62.5	0.91	14.03
28.0-29.0	79.7	4.2	66.7	0.94	14.97
29.0-30.0	79.1	4.3	71.0	0.96	15.93
30.0-31.0	78.5	4.4	75.3	0.98	16.91
31.0-32.0	77.7	4.5	79.8	1.00	17.91
32.0-33.0	77.0	4.5	84.3	1.02	18.93
33.0-34.0	76.4	4.6	89.0	1.04	19.96
34.0-35.0	75.5	4.7	93.6	1.05	21.02
35.0-36.0	74.7	4.8	98.4	1.07	22.08

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	74.0	4.8	103.2	1.08	23.17
37.0-38.0	73.2	4.9	108.1	1.10	24.27
38.0-39.0	72.4	4.9	113.1	1.11	25.37
39.0-40.0	71.6	5.0	118.1	1.12	26.49
40.0-41.0	70.9	5.1	123.1	1.13	27.63
41.0-42.0	70.1	5.1	128.2	1.14	28.77
42.0-43.0	69.2	5.1	133.3	1.15	29.92
43.0-44.0	68.4	5.2	138.5	1.16	31.08
44.0-45.0	67.5	5.2	143.7	1.16	32.25
45.0-46.0	66.7	5.2	148.9	1.17	33.42
46.0-47.0	65.8	5.2	154.1	1.17	34.59
47.0-48.0	65.0	5.3	159.4	1.18	35.77
48.0-49.0	64.1	5.3	164.6	1.18	36.95
49.0-50.0	63.3	5.3	169.9	1.19	38.14
50.0-51.0	62.6	5.3	175.2	1.19	39.32
51.0-52.0	61.7	5.3	180.5	1.19	40.51
52.0-53.0	60.8	5.3	185.8	1.19	41.70
53.0-54.0	59.9	5.3	191.1	1.18	42.88
54.0-55.0	59.0	5.3	196.3	1.18	44.07
55.0-56.0	58.1	5.3	201.6	1.18	45.25
56.0-57.0	57.2	5.2	206.8	1.17	46.42
57.0-58.0	56.3	5.2	212.0	1.17	47.59
58.0-59.0	55.4	5.2	217.2	1.16	48.75
59.0-60.0	54.5	5.2	222.4	1.16	49.91
60.0-61.0	53.6	5.1	227.5	1.15	51.06
61.0-62.0	52.7	5.1	232.6	1.14	52.20
62.0-63.0	51.9	5.0	237.6	1.13	53.33
63.0-64.0	51.1	5.0	242.6	1.12	54.45
64.0-65.0	50.2	5.0	247.6	1.11	55.57
65.0-66.0	49.3	4.9	252.5	1.10	56.67
66.0-67.0	48.4	4.9	257.4	1.09	57.76
67.0-68.0	47.5	4.8	262.2	1.08	58.84
68.0-69.0	46.6	4.8	267.0	1.07	59.91
69.0-70.0	45.7	4.7	271.6	1.05	60.97
70.0-71.0	44.8	4.6	276.3	1.04	62.01
71.0-72.0	43.9	4.6	280.9	1.03	63.03

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	43.1	4.5	285.4	1.01	64.04
73.0-74.0	42.2	4.4	289.8	1.00	65.04
74.0-75.0	41.3	4.4	294.1	0.98	66.02
75.0-76.0	40.4	4.3	298.4	0.96	66.98
76.0-77.0	39.5	4.2	302.6	0.95	67.92
77.0-78.0	38.7	4.1	306.8	0.93	68.85
78.0-79.0	37.8	4.1	310.9	0.91	69.76
79.0-80.0	37.0	4.0	314.8	0.89	70.66
80.0-81.0	36.1	3.9	318.7	0.88	71.53
81.0-82.0	35.3	3.8	322.6	0.86	72.39
82.0-83.0	34.4	3.7	326.3	0.84	73.23
83.0-84.0	33.6	3.7	330.0	0.82	74.05
84.0-85.0	32.8	3.6	333.5	0.80	74.86
85.0-86.0	32.0	3.5	337.0	0.79	75.64
86.0-87.0	31.3	3.4	340.5	0.77	76.41
87.0-88.0	30.5	3.3	343.8	0.75	77.16
88.0-89.0	29.9	3.3	347.1	0.73	77.90
89.0-90.0	29.2	3.2	350.3	0.72	78.62
90.0-91.0	28.6	3.1	353.4	0.70	79.32
91.0-92.0	28.0	3.1	356.5	0.69	80.01
92.0-93.0	27.5	3.0	359.5	0.68	80.69
93.0-94.0	26.9	2.9	362.5	0.66	81.35
94.0-95.0	26.4	2.9	365.3	0.65	82.00
95.0-96.0	25.9	2.8	368.2	0.64	82.63
96.0-97.0	25.5	2.8	371.0	0.62	83.25
97.0-98.0	25.0	2.7	373.7	0.61	83.87
98.0-99.0	24.5	2.7	376.3	0.60	84.46
99.0-100.0	24.0	2.6	378.9	0.58	85.04
100.0-101.0	23.5	2.5	381.5	0.57	85.61
101.0-102.0	23.0	2.5	383.9	0.55	86.17
102.0-103.0	22.5	2.4	386.4	0.54	86.71
103.0-104.0	22.1	2.4	388.7	0.53	87.24
104.0-105.0	21.7	2.3	391.0	0.52	87.75
105.0-106.0	21.3	2.2	393.3	0.50	88.26
106.0-107.0	20.8	2.2	395.4	0.49	88.75
107.0-108.0	20.4	2.1	397.6	0.48	89.23

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:

## 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	20.0	2.1	399.7	0.47	89.70
109.0-110.0	19.6	2.0	401.7	0.46	90.15
110.0-111.0	19.2	2.0	403.7	0.44	90.60
111.0-112.0	18.9	1.9	405.6	0.43	91.03
112.0-113.0	18.5	1.9	407.5	0.42	91.45
113.0-114.0	18.1	1.8	409.3	0.41	91.86
114.0-115.0	17.8	1.8	411.1	0.40	92.25
115.0-116.0	17.4	1.7	412.8	0.39	92.64
116.0-117.0	17.1	1.7	414.5	0.38	93.02
117.0-118.0	16.7	1.6	416.1	0.36	93.38
118.0-119.0	16.3	1.6	417.7	0.35	93.74
119.0-120.0	16.0	1.5	419.2	0.34	94.08
120.0-121.0	15.7	1.5	420.7	0.33	94.41
121.0-122.0	15.3	1.4	422.1	0.32	94.73
122.0-123.0	15.0	1.4	423.5	0.31	95.04
123.0-124.0	14.6	1.3	424.8	0.30	95.34
124.0-125.0	14.3	1.3	426.1	0.29	95.63
125.0-126.0	13.9	1.2	427.4	0.28	95.91
126.0-127.0	13.6	1.2	428.6	0.27	96.18
127.0-128.0	13.2	1.1	429.7	0.26	96.44
128.0-129.0	12.8	1.1	430.8	0.25	96.68
129.0-130.0	12.4	1.0	431.8	0.23	96.92
130.0-131.0	12.0	1.0	432.8	0.22	97.14
131.0-132.0	11.5	0.9	433.8	0.21	97.35
132.0-133.0	11.1	0.9	434.7	0.20	97.56
133.0-134.0	10.8	0.9	435.5	0.19	97.75
134.0-135.0	10.4	0.8	436.3	0.18	97.93
135.0-136.0	10.0	0.8	437.1	0.17	98.10
136.0-137.0	9.6	0.7	437.8	0.16	98.26
137.0-138.0	9.2	0.7	438.5	0.15	98.42
138.0-139.0	8.8	0.6	439.2	0.14	98.56
139.0-140.0	8.5	0.6	439.8	0.14	98.70
140.0-141.0	8.2	0.6	440.3	0.13	98.82
141.0-142.0	7.8	0.5	440.9	0.12	98.95
142.0-143.0	7.5	0.5	441.4	0.11	99.06
143.0-144.0	7.1	0.5	441.8	0.10	99.16

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	6.7	0.4	442.3	0.10	99.26
145.0-146.0	6.3	0.4	442.6	0.09	99.34
146.0-147.0	5.9	0.4	443.0	0.08	99.42
147.0-148.0	5.4	0.3	443.3	0.07	99.50
148.0-149.0	5.0	0.3	443.6	0.06	99.56
149.0-150.0	4.6	0.3	443.9	0.06	99.62
150.0-151.0	4.2	0.2	444.1	0.05	99.67
151.0-152.0	3.9	0.2	444.3	0.05	99.71
152.0-153.0	3.5	0.2	444.5	0.04	99.75
153.0-154.0	3.1	0.2	444.6	0.03	99.79
154.0-155.0	2.8	0.1	444.8	0.03	99.82
155.0-156.0	2.5	0.1	444.9	0.03	99.84
156.0-157.0	2.2	0.1	445.0	0.02	99.87
157.0-158.0	2.0	0.1	445.1	0.02	99.88
158.0-159.0	1.8	0.1	445.1	0.02	99.90
159.0-160.0	1.6	0.1	445.2	0.01	99.91
160.0-161.0	1.4	0.1	445.2	0.01	99.93
161.0-162.0	1.3	0.0	445.3	0.01	99.93
162.0-163.0	1.2	0.0	445.3	0.01	99.94
163.0-164.0	1.1	0.0	445.4	0.01	99.95
164.0-165.0	1.0	0.0	445.4	0.01	99.96
165.0-166.0	1.0	0.0	445.4	0.01	99.96
166.0-167.0	0.9	0.0	445.4	0.01	99.97
167.0-168.0	0.9	0.0	445.5	0.00	99.97
168.0-169.0	0.9	0.0	445.5	0.00	99.98
169.0-170.0	0.9	0.0	445.5	0.00	99.98
170.0-171.0	0.9	0.0	445.5	0.00	99.99
171.0-172.0	0.8	0.0	445.5	0.00	99.99
172.0-173.0	0.8	0.0	445.5	0.00	99.99
173.0-174.0	0.8	0.0	445.5	0.00	99.99
174.0-175.0	0.8	0.0	445.6	0.00	100.00
175.0-176.0	0.8	0.0	445.6	0.00	100.00
176.0-177.0	0.8	0.0	445.6	0.00	100.00
177.0-178.0	0.8	0.0	445.6	0.00	100.00
178.0-179.0	0.8	0.0	445.6	0.00	100.00
179.0-180.0	0.8	0.0	445.6	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: