GENLED Brands
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Fax:

Report No.: 20230628 **Test Time: 2023/6/29 16:47**

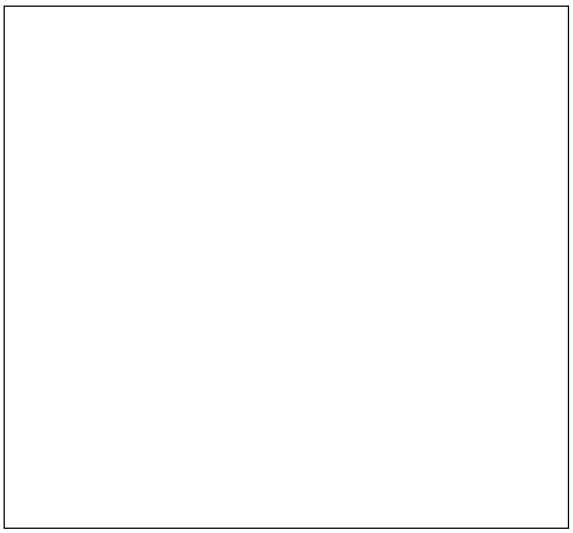
Luminaire Property

Luminaire Manufacturer:
Luminaire Category: Pixel Bar
Luminaire Description: Pixel Bar 600mm Round Milky - **green**
Lamp Catalog: RGBW30 **Luminous Length (mm): 600**
Luminous Width (mm): 40 **Luminous Height (mm): 30**
Voltage: 219.5 V **Current: 0.046 A**
Power: 5.48 W **Power Factor: 0.547**

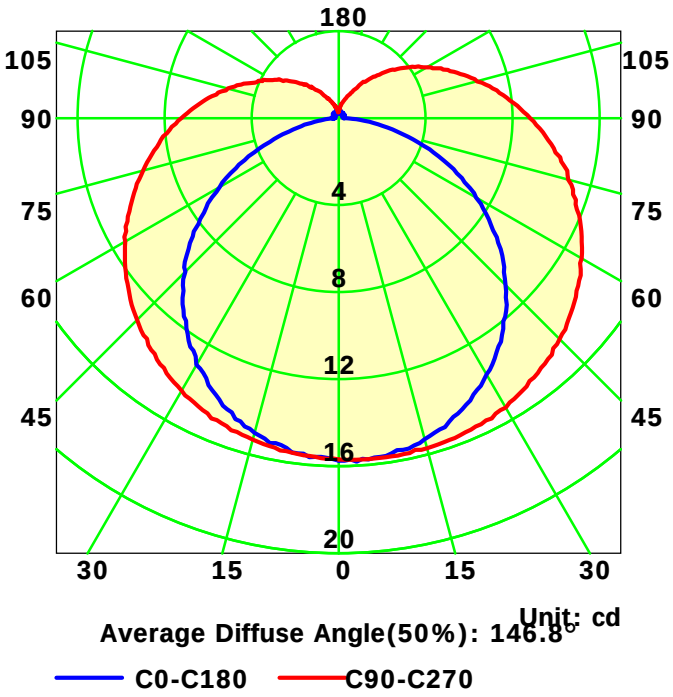
Photometric Results

CIE Class: Semi-Direct **Total Rated Lamp Lumens: 77.4 lm**
Measurement Flux: 77.4 lm **Efficiency: 100%**
Downward Ratio: 81% **Upward Ratio: 19%**
Horizontal Diffuse Angle(10%,50%): H161.4,H111.8
Vertical Diffuse Angle(10%,50%): V293.4,V181.9
Luminaire Efficacy Rating (LER): 14 **Central Intensity: 15.81 cd**
Max. Intensity: 15.89 cd **Pos of Max. Intensity: H0 V3**

Picture Of Luminaire

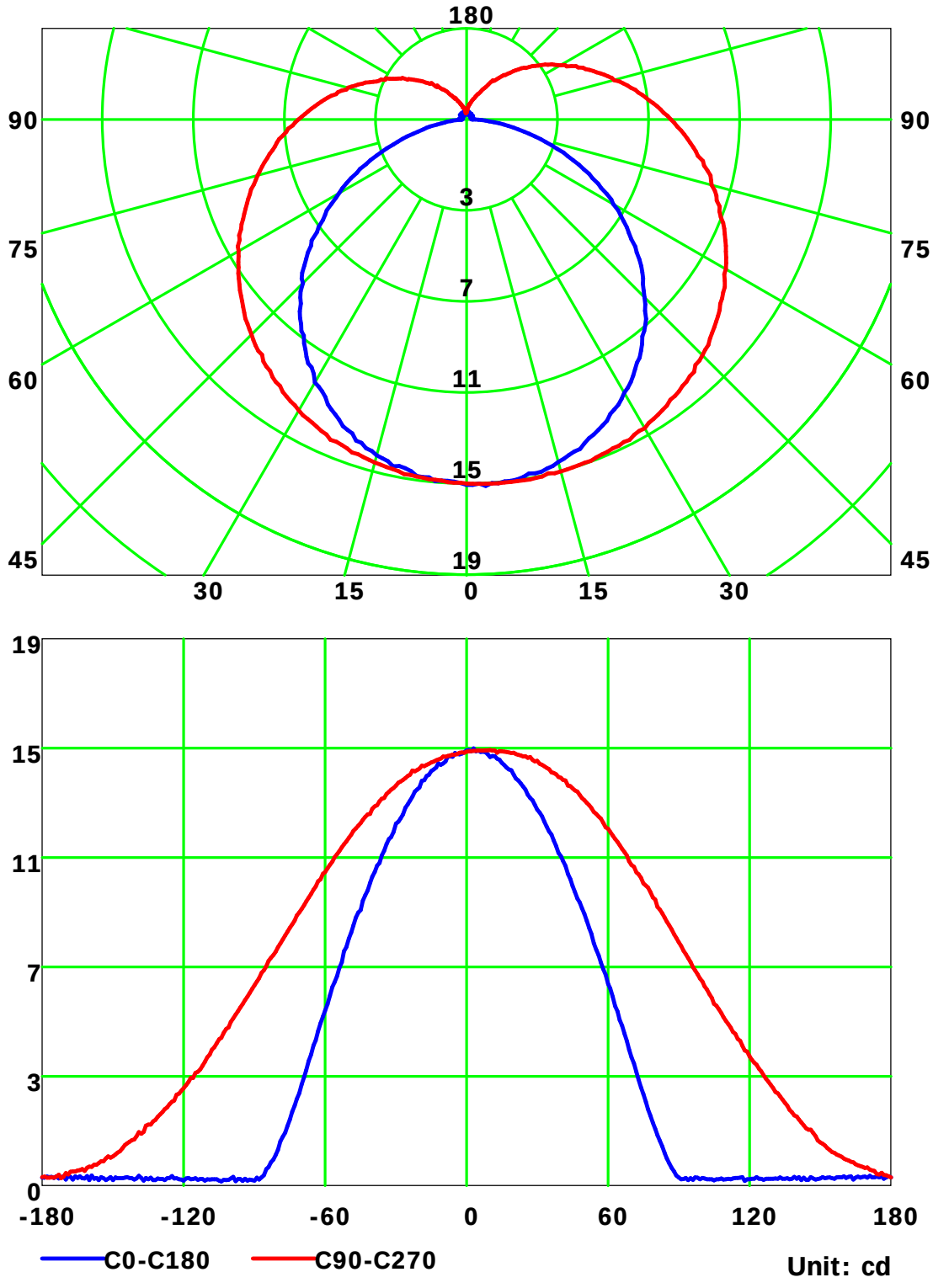


Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 30.0 **Gamma Plane (°):0.0-180.0:1.0**
Test Lab: **Test Device: GPM-1800B**
Test Type: TYPE C **Distance: 9.028 m**
Temperature: 25 **Humidity: 60%**
Operator: Jacky **Inspector:**

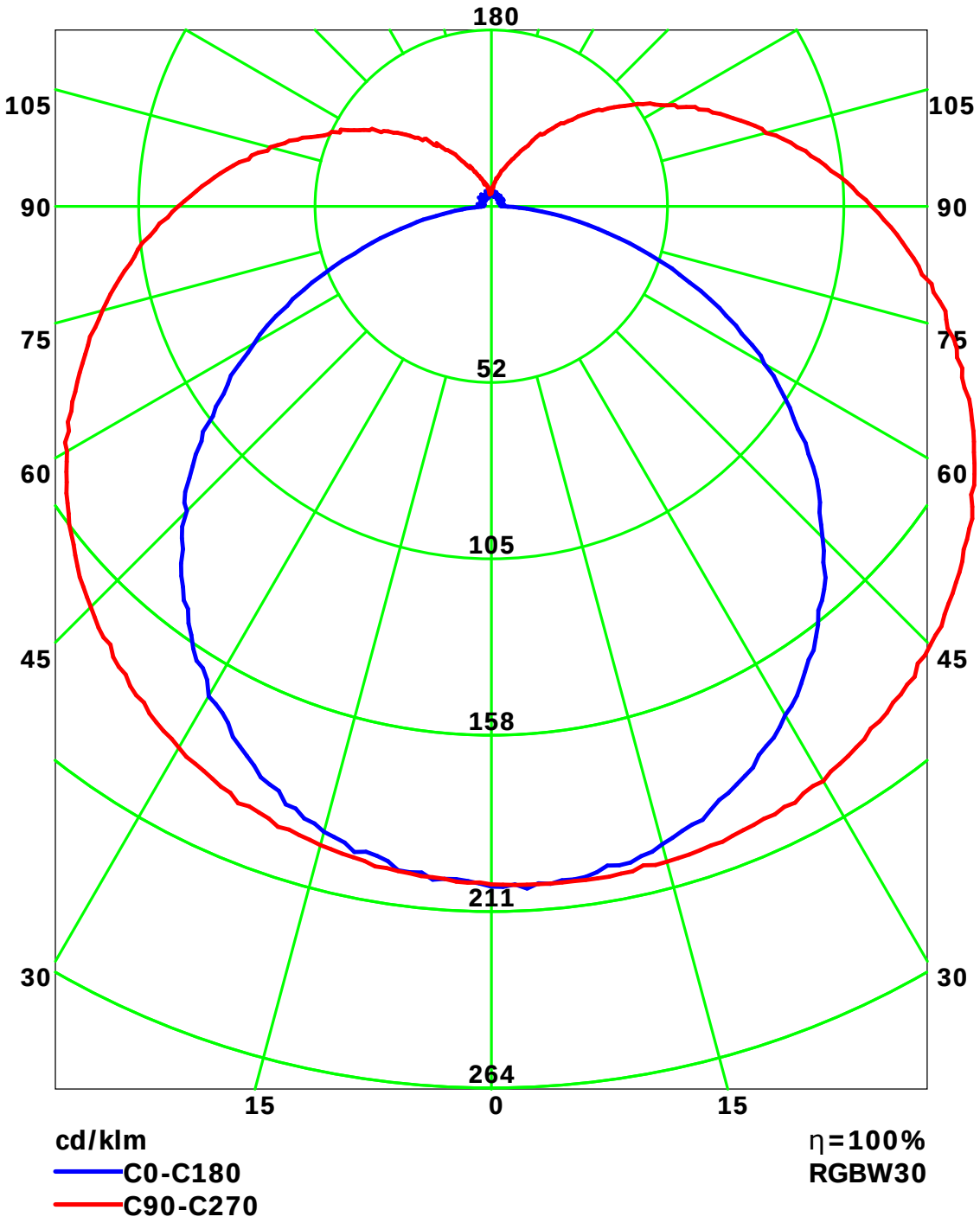
Luminous Intensity Distribution Curve



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

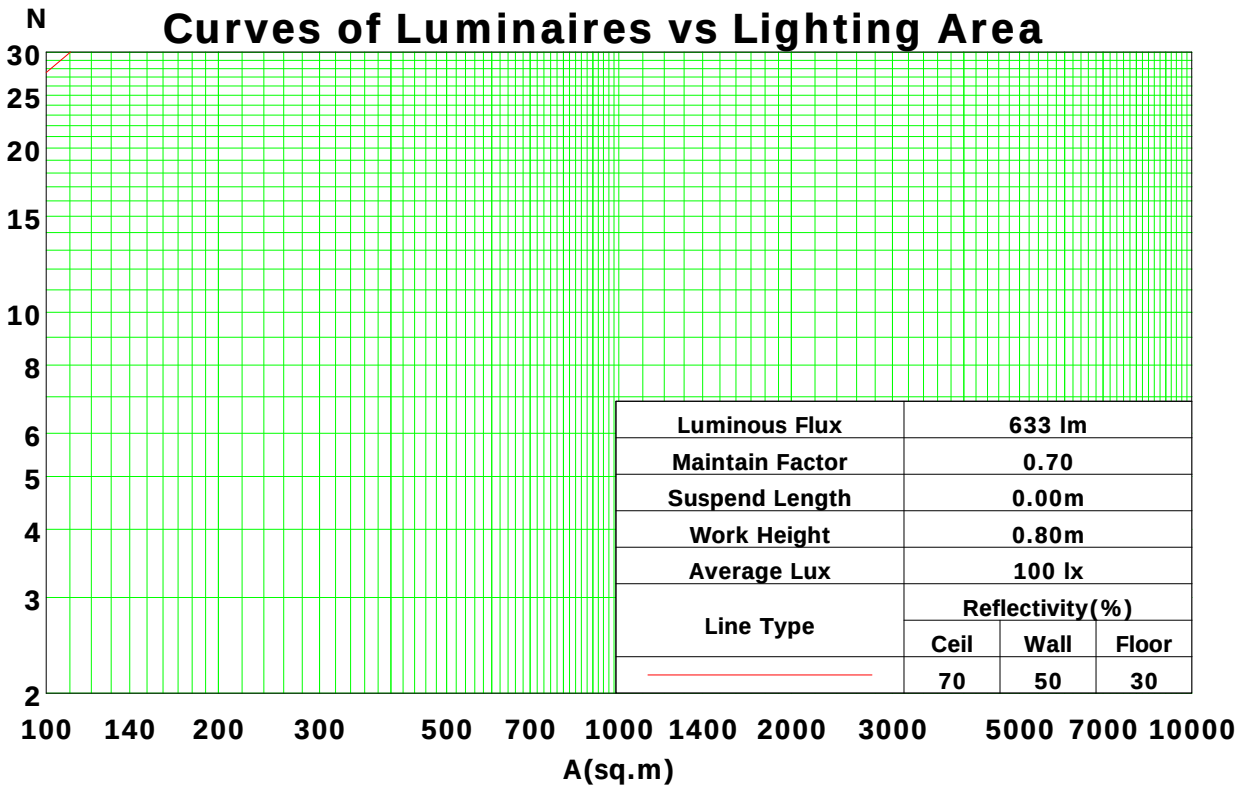
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

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	110	110	110	110	100	100	100	92	92	92	84	84	84	81
1	101	95	90	85	96	91	86	82	83	79	75	76	73	70	69	67	64	61
2	91	81	73	67	86	78	70	64	71	65	60	65	60	56	59	55	52	48
3	82	70	61	54	78	67	59	52	61	54	49	56	50	46	51	46	42	39
4	75	62	52	45	71	59	50	43	54	47	41	49	43	38	45	40	36	33
5	68	55	45	38	65	52	43	37	48	40	35	44	38	33	40	35	31	28
6	63	49	39	33	60	47	38	32	43	36	30	40	33	28	36	31	27	24
7	58	44	35	29	55	42	34	28	39	32	26	36	30	25	33	28	23	21
8	54	40	31	25	51	38	30	24	36	28	23	33	27	22	30	25	21	18
9	50	37	28	22	48	35	27	22	33	26	21	30	24	20	28	23	19	17
10	47	34	25	20	45	32	25	20	30	23	19	28	22	18	26	21	17	15

Spacing Criteria (0-180): 1.26
Spacing Criteria (90-270): 1.42
Spacing Criteria (Diagonal): 1.49

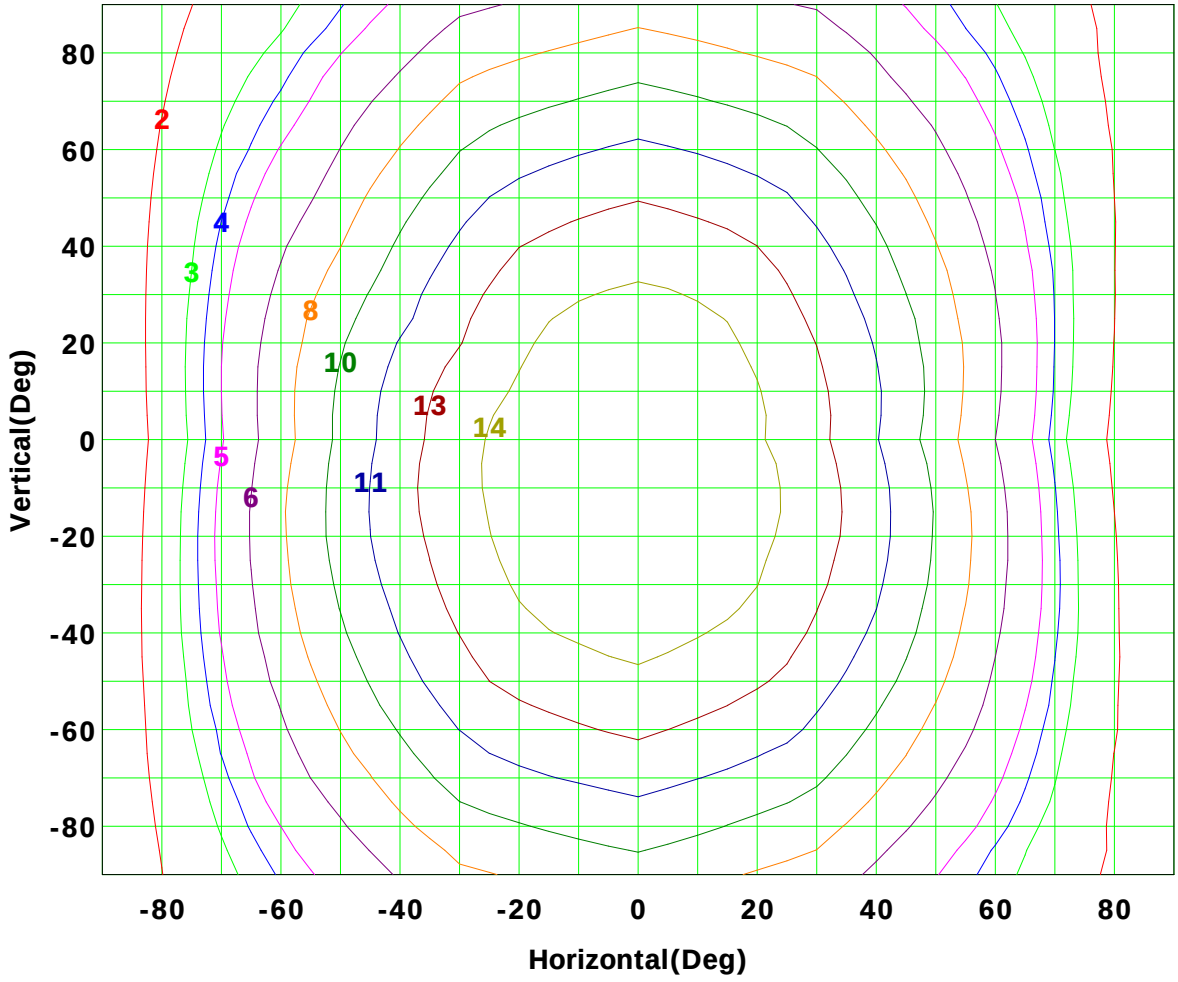
Curves of Luminaires vs Lighting Area



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)



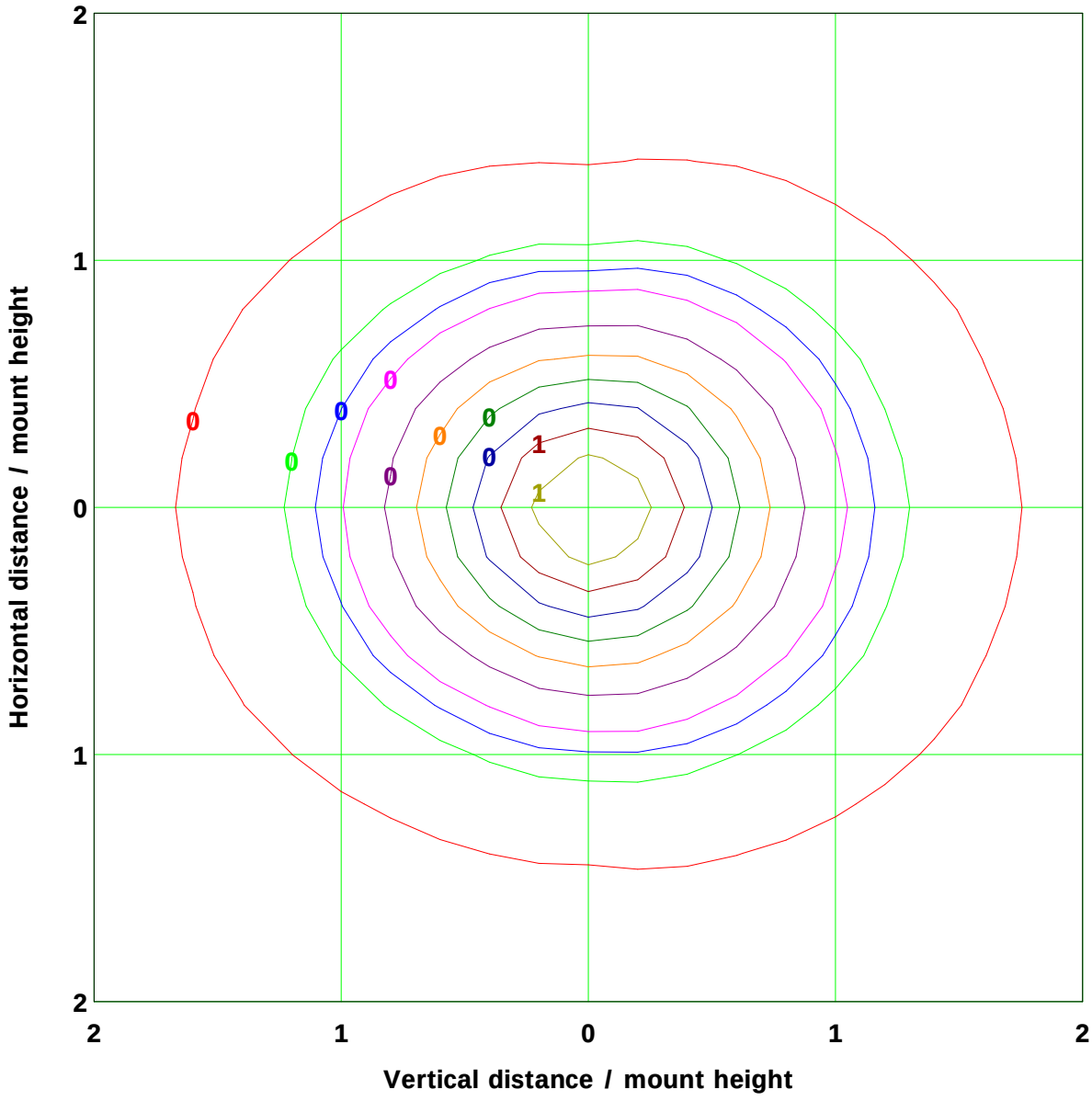
Imax (100%): 16 cd

(10%):	2 cd	(20%):	3 cd
(25%):	4 cd	(30%):	5 cd
(40%):	6 cd	(50%):	8 cd
(60%):	10 cd	(70%):	11 cd
(80%):	13 cd	(90%):	14 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%): 0.6 lx

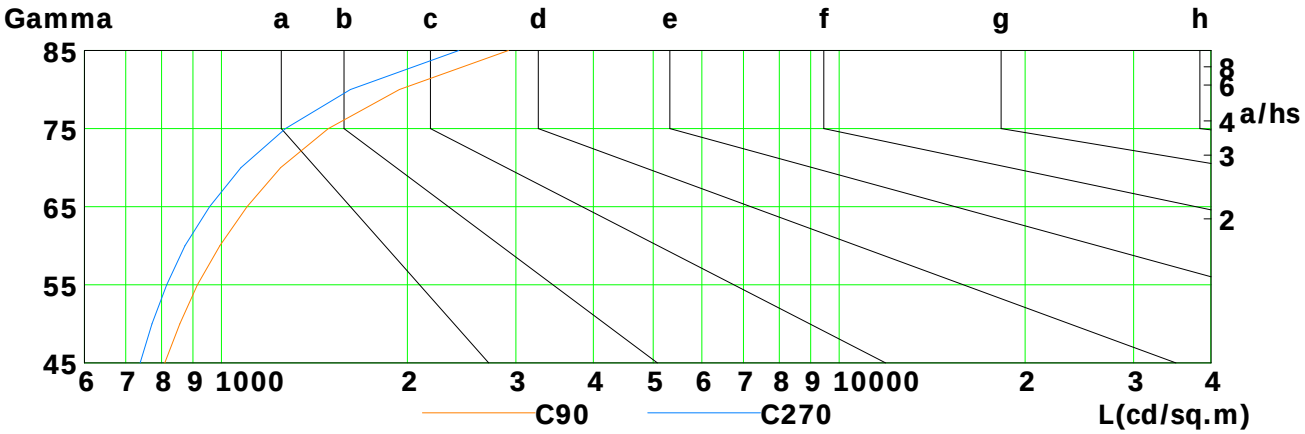
(10%): 0.1 lx	(20%): 0.1 lx
(25%): 0.2 lx	(30%): 0.2 lx
(40%): 0.3 lx	(50%): 0.3 lx
(60%): 0.4 lx	(70%): 0.4 lx
(80%): 0.5 lx	(90%): 0.6 lx

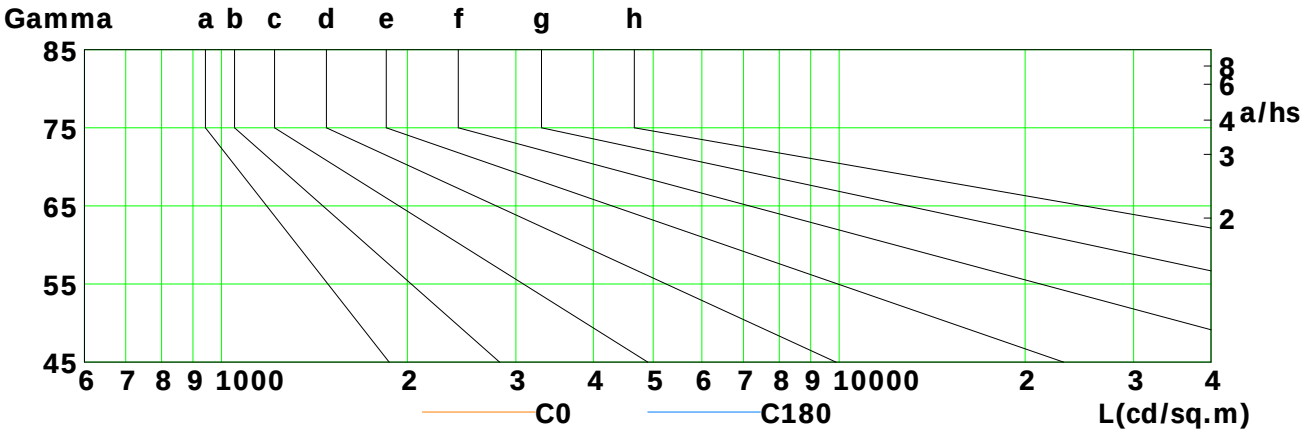
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

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



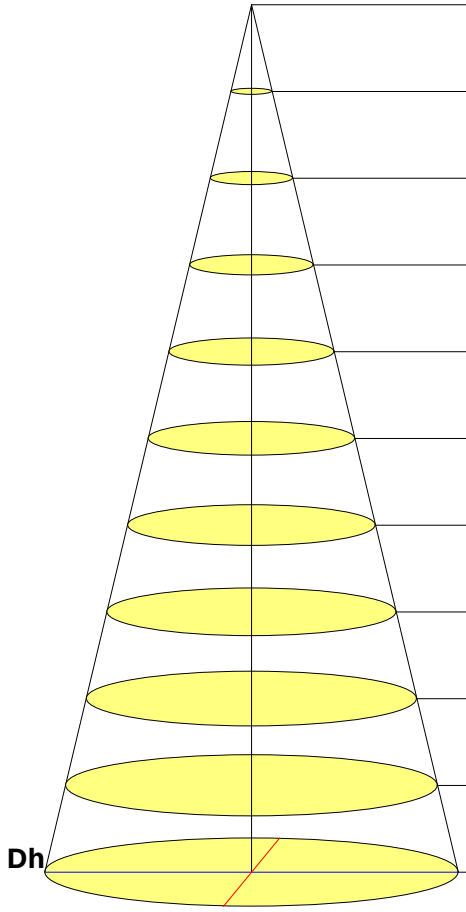


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	367	338	301	266	228	185	141	95	49
C90	810	856	915	994	1101	1247	1490	1942	2917
C180	337	307	267	231	193	146	102	60	30
C270	739	773	816	874	957	1076	1270	1619	2425

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



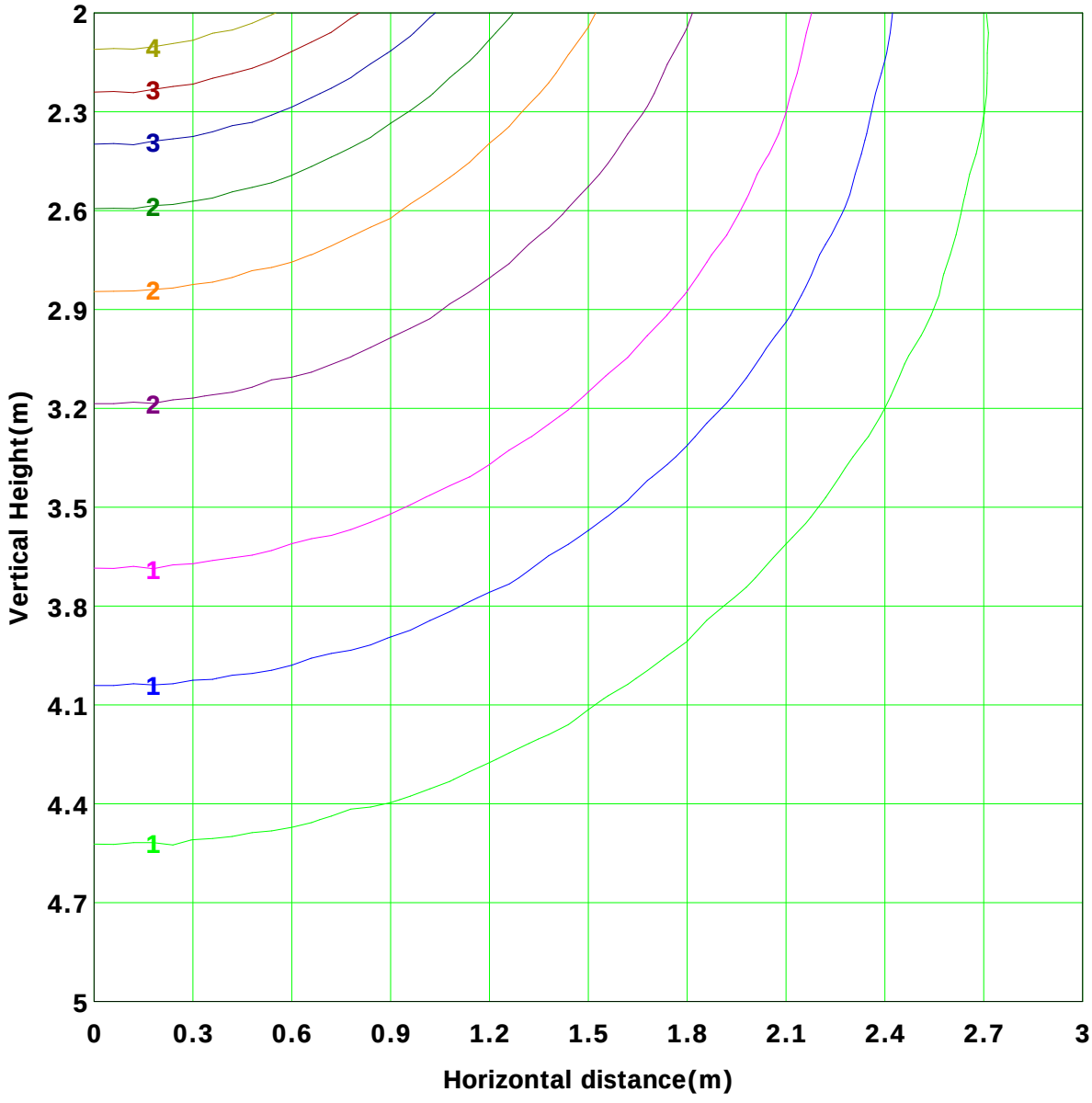
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	15.81	2.95/NA	NA	NA
2.0	3.95	5.90/NA	NA	NA
3.0	1.76	8.85/NA	NA	NA
4.0	0.99	11.81/NA	NA	NA
5.0	0.63	14.76/NA	NA	NA
6.0	0.44	17.71/NA	NA	NA
7.0	0.32	20.66/NA	NA	NA
8.0	0.25	23.61/NA	NA	NA
9.0	0.20	26.56/NA	NA	NA
10.0	0.16	29.52/NA	NA	NA

Beam Angle(B): H111.8 V181.9 Field Angle(F): H161.4 V293.4

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: 4.0 lx

(10%): 0.4 lx	(20%): 0.8 lx
(25%): 1.0 lx	(30%): 1.2 lx
(40%): 1.6 lx	(50%): 2.0 lx
(60%): 2.4 lx	(70%): 2.8 lx
(80%): 3.2 lx	(90%): 3.6 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

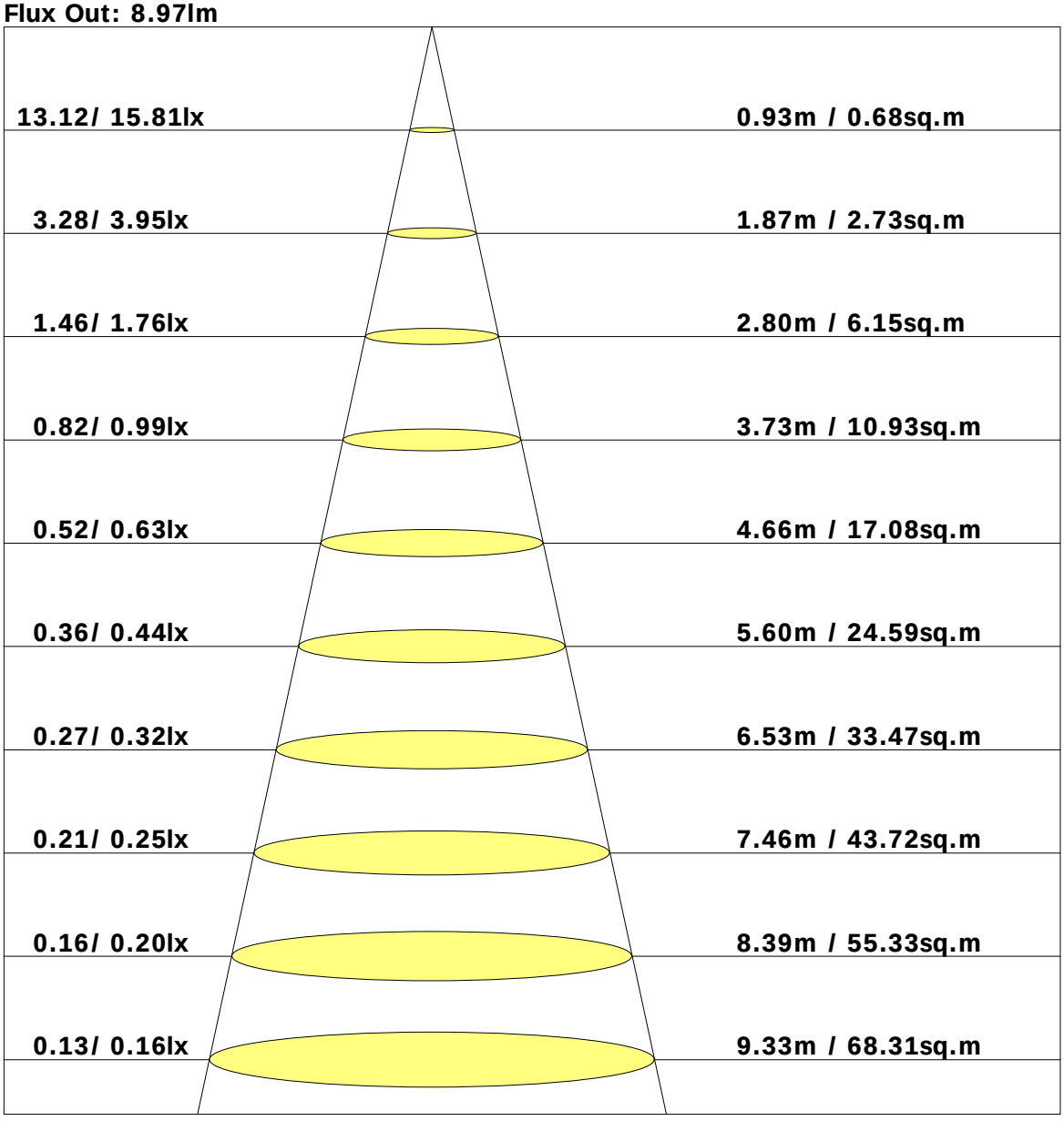
Vertical plane	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
Horizontal plane																					
-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
-70	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	0.1	0.1	0.1	0.0	0.0	0.0	1.1	1.1
-60	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	2.1	2.1
-50	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	3.3	3.3
-40	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	4.6	4.6
-30	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.2	0.2	5.8	5.8
-20	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.2	6.6	6.6
-10	0.2	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.2	7.1	7.1
0	0.2	0.3	0.3	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.2	7.1	7.1
10	0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.3	0.3	0.2	0.2	6.6	6.6
20	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.2	0.2	5.8	5.8
30	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	4.7	4.7
40	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	3.4	3.4
50	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.0	2.2	2.2
60	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	1.2	1.2
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	0.4
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	2.1	2.4	2.8	3.1	3.5	3.7	3.9	4.1	4.2	4.2	4.2	4.2	4.1	4.0	3.8	3.6	3.3	2.9	2.5	63	
Flux(T)	2.0	2.4	2.8	3.1	3.5	3.7	3.9	4.1	4.2	4.2	4.2	4.2	4.2	4.0	3.8	3.6	3.3	2.9	2.5		62
Flux(E)																					

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

Flux Out: 8.97lm



Height | Avg./Nadir. E | Beam Angle:50.0° | Diameter / Area

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	16.4	17.8	17.0	18.4	19.1	17.6	18.9	18.2	19.6	20.3
3H	18.3	19.6	19.0	20.2	21.0	20.1	21.4	20.7	22.0	22.8
4H	19.1	20.3	19.7	20.9	21.7	21.3	22.5	22.0	23.2	24.0
6H	19.6	20.7	20.3	21.4	22.2	22.5	23.6	23.2	24.3	25.1
8H	19.8	20.9	20.5	21.6	22.4	23.1	24.1	23.7	24.8	25.6
12H	20.0	21.0	20.6	21.7	22.5	23.6	24.6	24.3	25.3	26.2
X=4H Y=2H	17.2	18.4	17.8	19.0	19.8	18.2	19.4	18.8	20.0	20.8
3H	19.3	20.4	20.0	21.1	21.9	21.0	22.0	21.7	22.7	23.5
4H	20.3	21.2	20.9	21.9	22.8	22.4	23.3	23.1	24.0	24.9
6H	21.0	21.8	21.7	22.6	23.4	23.8	24.6	24.5	25.3	26.2
8H	21.3	22.1	22.0	22.8	23.7	24.4	25.2	25.1	25.9	26.8
12H	21.5	22.2	22.2	23.0	23.8	25.1	25.8	25.8	26.5	27.4
X=8H Y=4H	20.9	21.7	21.6	22.4	23.3	22.8	23.6	23.5	24.3	25.2
6H	21.9	22.6	22.6	23.3	24.2	24.4	25.1	25.1	25.8	26.7
8H	22.3	22.9	23.0	23.7	24.6	25.2	25.8	25.9	26.6	27.4
12H	22.6	23.2	23.4	24.0	24.9	26.0	26.6	26.8	27.3	28.3
X=12H Y=4H	21.1	21.8	21.8	22.5	23.4	22.8	23.5	23.5	24.3	25.2
6H	22.1	22.8	22.9	23.5	24.4	24.5	25.1	25.2	25.9	26.8
8H	22.7	23.2	23.4	24.0	24.9	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	0.84	0.89	0.92
	0.30		0.40	0.48	0.55	0.60	0.68	0.74	0.78	0.84	0.88
	0.20		0.34	0.41	0.49	0.54	0.62	0.68	0.72	0.79	0.83
0.50	0.50	0.20	0.45	0.52	0.58	0.63	0.69	0.74	0.77	0.81	0.84
	0.30		0.38	0.45	0.51	0.56	0.63	0.68	0.72	0.77	0.81
	0.20		0.33	0.40	0.46	0.51	0.58	0.63	0.68	0.73	0.77
0.30	0.50	0.20	0.42	0.48	0.54	0.58	0.63	0.67	0.70	0.74	0.77
	0.30		0.36	0.42	0.48	0.52	0.59	0.63	0.66	0.71	0.74
	0.20		0.31	0.37	0.43	0.48	0.54	0.59	0.63	0.68	0.72
0.00	0.00	0.00	0.27	0.32	0.38	0.42	0.48	0.52	0.55	0.60	0.63

Rating:5W Photometrically tested without ceiling board.
Multiply UF values by service correction factors
Calculate in accordance with CIBSE Technical Memorandum NO.5 1980

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(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	1.02	0.88	0.77	0.68	0.56	0.48	0.42	0.34	0.28
	0.30		0.85	0.76	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	0.94	0.82	0.71	0.63	0.52	0.47	0.39	0.31	0.26
	0.30		0.80	0.71	0.63	0.57	0.48	0.41	0.36	0.30	0.25
	0.20		0.69	0.63	0.56	0.51	0.44	0.38	0.34	0.28	0.24
0.30	0.50	0.20	0.88	0.76	0.66	0.58	0.48	0.41	0.36	0.29	0.25
	0.30		0.75	0.67	0.59	0.53	0.45	0.39	0.34	0.28	0.24
	0.20		0.66	0.59	0.53	0.48	0.41	0.36	0.32	0.27	0.23
0.00	0.00	0.00	0.54	0.48	0.43	0.39	0.33	0.29	0.26	0.21	0.18

Rating:5W Photometrically tested without ceiling board.
Multiply UF values by service correction factors
Calculate in accordance with CIBSE Technical Memorandum NO.5 1980

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(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	0.35	0.37	0.37	0.38	0.39	0.39	0.40	0.40	0.40
	0.30		0.28	0.30	0.31	0.32	0.33	0.34	0.35	0.36	0.37
	0.20		0.23	0.24	0.26	0.27	0.29	0.30	0.31	0.33	0.34
0.50	0.50	0.20	0.34	0.35	0.36	0.37	0.37	0.38	0.38	0.38	0.39
	0.30		0.28	0.29	0.30	0.31	0.32	0.33	0.34	0.35	0.36
	0.20		0.23	0.24	0.25	0.26	0.28	0.29	0.30	0.32	0.33
0.30	0.50	0.20	0.33	0.34	0.35	0.35	0.36	0.36	0.37	0.37	0.37
	0.30		0.27	0.28	0.29	0.30	0.31	0.32	0.33	0.34	0.34
	0.20		0.23	0.24	0.25	0.26	0.27	0.29	0.30	0.31	0.32
0.00	0.00	0.00	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19

Rating:5W Photometrically tested without ceiling board.
Multiply UF values by service correction factors
Calculate in accordance with CIBSE Technical Memorandum NO.5 1980

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

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	15.8	0.0	0.0	0.02	0.02
1.0-2.0	15.8	0.0	0.1	0.06	0.08
2.0-3.0	15.7	0.1	0.1	0.10	0.18
3.0-4.0	15.8	0.1	0.2	0.14	0.31
4.0-5.0	15.7	0.1	0.4	0.17	0.49
5.0-6.0	15.7	0.2	0.5	0.21	0.70
6.0-7.0	15.7	0.2	0.7	0.25	0.95
7.0-8.0	15.7	0.2	1.0	0.29	1.24
8.0-9.0	15.7	0.3	1.2	0.33	1.57
9.0-10.0	15.6	0.3	1.5	0.37	1.93
10.0-11.0	15.6	0.3	1.8	0.40	2.34
11.0-12.0	15.5	0.3	2.1	0.44	2.78
12.0-13.0	15.5	0.4	2.5	0.48	3.25
13.0-14.0	15.4	0.4	2.9	0.51	3.76
14.0-15.0	15.4	0.4	3.3	0.55	4.31
15.0-16.0	15.3	0.4	3.8	0.58	4.89
16.0-17.0	15.3	0.5	4.3	0.61	5.50
17.0-18.0	15.2	0.5	4.8	0.65	6.15
18.0-19.0	15.2	0.5	5.3	0.68	6.84
19.0-20.0	15.1	0.6	5.8	0.71	7.55
20.0-21.0	15.0	0.6	6.4	0.75	8.30
21.0-22.0	15.0	0.6	7.0	0.78	9.07
22.0-23.0	14.9	0.6	7.6	0.81	9.88
23.0-24.0	14.8	0.6	8.3	0.84	10.72
24.0-25.0	14.7	0.7	9.0	0.87	11.58
25.0-26.0	14.6	0.7	9.7	0.89	12.47
26.0-27.0	14.5	0.7	10.4	0.92	13.39
27.0-28.0	14.4	0.7	11.1	0.94	14.34
28.0-29.0	14.3	0.8	11.8	0.97	15.31
29.0-30.0	14.2	0.8	12.6	0.99	16.30
30.0-31.0	14.1	0.8	13.4	1.02	17.32
31.0-32.0	14.0	0.8	14.2	1.04	18.36
32.0-33.0	13.9	0.8	15.0	1.06	19.42
33.0-34.0	13.8	0.8	15.9	1.08	20.50
34.0-35.0	13.7	0.8	16.7	1.10	21.59
35.0-36.0	13.6	0.9	17.6	1.12	22.71

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 [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	13.5	0.9	18.5	1.13	23.84
37.0-38.0	13.3	0.9	19.3	1.15	24.99
38.0-39.0	13.2	0.9	20.2	1.16	26.15
39.0-40.0	13.0	0.9	21.2	1.18	27.33
40.0-41.0	12.9	0.9	22.1	1.19	28.52
41.0-42.0	12.8	0.9	23.0	1.20	29.72
42.0-43.0	12.6	0.9	23.9	1.21	30.93
43.0-44.0	12.5	0.9	24.9	1.22	32.15
44.0-45.0	12.3	0.9	25.8	1.23	33.37
45.0-46.0	12.2	1.0	26.8	1.23	34.61
46.0-47.0	12.1	1.0	27.7	1.24	35.84
47.0-48.0	11.9	1.0	28.7	1.24	37.09
48.0-49.0	11.7	1.0	29.7	1.25	38.33
49.0-50.0	11.6	1.0	30.6	1.25	39.58
50.0-51.0	11.4	1.0	31.6	1.25	40.83
51.0-52.0	11.3	1.0	32.6	1.25	42.08
52.0-53.0	11.1	1.0	33.5	1.25	43.33
53.0-54.0	10.9	1.0	34.5	1.25	44.57
54.0-55.0	10.8	1.0	35.5	1.24	45.82
55.0-56.0	10.6	1.0	36.4	1.24	47.05
56.0-57.0	10.4	1.0	37.4	1.23	48.28
57.0-58.0	10.2	0.9	38.3	1.22	49.51
58.0-59.0	10.1	0.9	39.3	1.22	50.72
59.0-60.0	9.9	0.9	40.2	1.21	51.93
60.0-61.0	9.7	0.9	41.1	1.20	53.13
61.0-62.0	9.6	0.9	42.0	1.19	54.32
62.0-63.0	9.4	0.9	43.0	1.18	55.50
63.0-64.0	9.2	0.9	43.9	1.17	56.67
64.0-65.0	9.0	0.9	44.8	1.15	57.82
65.0-66.0	8.8	0.9	45.6	1.14	58.96
66.0-67.0	8.7	0.9	46.5	1.12	60.08
67.0-68.0	8.5	0.9	47.4	1.11	61.19
68.0-69.0	8.3	0.8	48.2	1.09	62.28
69.0-70.0	8.1	0.8	49.0	1.07	63.35
70.0-71.0	7.9	0.8	49.9	1.06	64.41
71.0-72.0	7.7	0.8	50.7	1.04	65.45

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 [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	7.6	0.8	51.5	1.02	66.47
73.0-74.0	7.4	0.8	52.2	1.00	67.47
74.0-75.0	7.2	0.8	53.0	0.98	68.46
75.0-76.0	7.0	0.7	53.7	0.96	69.42
76.0-77.0	6.9	0.7	54.5	0.94	70.37
77.0-78.0	6.7	0.7	55.2	0.92	71.29
78.0-79.0	6.5	0.7	55.9	0.90	72.20
79.0-80.0	6.3	0.7	56.6	0.88	73.08
80.0-81.0	6.2	0.7	57.2	0.86	73.94
81.0-82.0	6.0	0.7	57.9	0.84	74.78
82.0-83.0	5.9	0.6	58.5	0.82	75.61
83.0-84.0	5.7	0.6	59.1	0.80	76.41
84.0-85.0	5.6	0.6	59.8	0.78	77.20
85.0-86.0	5.4	0.6	60.3	0.76	77.96
86.0-87.0	5.2	0.6	60.9	0.74	78.70
87.0-88.0	5.1	0.6	61.5	0.72	79.42
88.0-89.0	5.0	0.5	62.0	0.71	80.13
89.0-90.0	4.9	0.5	62.6	0.69	80.82
90.0-91.0	4.7	0.5	63.1	0.67	81.49
91.0-92.0	4.6	0.5	63.6	0.65	82.14
92.0-93.0	4.5	0.5	64.1	0.64	82.78
93.0-94.0	4.4	0.5	64.6	0.62	83.40
94.0-95.0	4.3	0.5	65.0	0.61	84.01
95.0-96.0	4.2	0.5	65.5	0.59	84.60
96.0-97.0	4.1	0.4	65.9	0.58	85.18
97.0-98.0	4.0	0.4	66.4	0.56	85.74
98.0-99.0	3.9	0.4	66.8	0.55	86.29
99.0-100.0	3.8	0.4	67.2	0.53	86.83
100.0-101.0	3.7	0.4	67.6	0.52	87.35
101.0-102.0	3.6	0.4	68.0	0.51	87.85
102.0-103.0	3.6	0.4	68.4	0.49	88.34
103.0-104.0	3.5	0.4	68.8	0.48	88.82
104.0-105.0	3.4	0.4	69.1	0.46	89.29
105.0-106.0	3.3	0.3	69.5	0.45	89.74
106.0-107.0	3.2	0.3	69.8	0.44	90.18
107.0-108.0	3.1	0.3	70.1	0.42	90.60

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 [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	3.1	0.3	70.4	0.41	91.01
109.0-110.0	3.0	0.3	70.8	0.40	91.41
110.0-111.0	2.9	0.3	71.1	0.39	91.80
111.0-112.0	2.8	0.3	71.3	0.37	92.18
112.0-113.0	2.8	0.3	71.6	0.36	92.54
113.0-114.0	2.7	0.3	71.9	0.35	92.89
114.0-115.0	2.6	0.3	72.2	0.34	93.23
115.0-116.0	2.6	0.3	72.4	0.33	93.55
116.0-117.0	2.5	0.2	72.7	0.32	93.87
117.0-118.0	2.4	0.2	72.9	0.31	94.18
118.0-119.0	2.4	0.2	73.1	0.29	94.47
119.0-120.0	2.3	0.2	73.3	0.28	94.76
120.0-121.0	2.2	0.2	73.6	0.27	95.03
121.0-122.0	2.2	0.2	73.8	0.26	95.29
122.0-123.0	2.1	0.2	74.0	0.25	95.55
123.0-124.0	2.1	0.2	74.1	0.24	95.79
124.0-125.0	2.0	0.2	74.3	0.23	96.03
125.0-126.0	2.0	0.2	74.5	0.23	96.26
126.0-127.0	1.9	0.2	74.7	0.22	96.47
127.0-128.0	1.8	0.2	74.8	0.21	96.68
128.0-129.0	1.8	0.2	75.0	0.20	96.87
129.0-130.0	1.7	0.1	75.1	0.19	97.06
130.0-131.0	1.7	0.1	75.3	0.18	97.24
131.0-132.0	1.6	0.1	75.4	0.17	97.41
132.0-133.0	1.6	0.1	75.5	0.16	97.58
133.0-134.0	1.5	0.1	75.6	0.16	97.73
134.0-135.0	1.5	0.1	75.8	0.15	97.88
135.0-136.0	1.4	0.1	75.9	0.14	98.02
136.0-137.0	1.4	0.1	76.0	0.13	98.15
137.0-138.0	1.3	0.1	76.1	0.13	98.28
138.0-139.0	1.3	0.1	76.2	0.12	98.40
139.0-140.0	1.3	0.1	76.3	0.12	98.52
140.0-141.0	1.2	0.1	76.3	0.11	98.62
141.0-142.0	1.2	0.1	76.4	0.10	98.73
142.0-143.0	1.1	0.1	76.5	0.10	98.82
143.0-144.0	1.1	0.1	76.6	0.09	98.91

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 [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	1.0	0.1	76.6	0.08	99.00
145.0-146.0	1.0	0.1	76.7	0.08	99.08
146.0-147.0	1.0	0.1	76.7	0.08	99.15
147.0-148.0	0.9	0.1	76.8	0.07	99.22
148.0-149.0	0.9	0.1	76.9	0.07	99.29
149.0-150.0	0.8	0.0	76.9	0.06	99.35
150.0-151.0	0.8	0.0	76.9	0.06	99.41
151.0-152.0	0.8	0.0	77.0	0.05	99.46
152.0-153.0	0.8	0.0	77.0	0.05	99.51
153.0-154.0	0.7	0.0	77.1	0.05	99.56
154.0-155.0	0.7	0.0	77.1	0.04	99.60
155.0-156.0	0.7	0.0	77.1	0.04	99.64
156.0-157.0	0.7	0.0	77.2	0.04	99.68
157.0-158.0	0.6	0.0	77.2	0.03	99.71
158.0-159.0	0.6	0.0	77.2	0.03	99.74
159.0-160.0	0.6	0.0	77.2	0.03	99.77
160.0-161.0	0.6	0.0	77.2	0.03	99.80
161.0-162.0	0.6	0.0	77.3	0.03	99.82
162.0-163.0	0.5	0.0	77.3	0.02	99.85
163.0-164.0	0.5	0.0	77.3	0.02	99.87
164.0-165.0	0.5	0.0	77.3	0.02	99.89
165.0-166.0	0.5	0.0	77.3	0.02	99.90
166.0-167.0	0.5	0.0	77.3	0.02	99.92
167.0-168.0	0.4	0.0	77.4	0.01	99.93
168.0-169.0	0.4	0.0	77.4	0.01	99.94
169.0-170.0	0.4	0.0	77.4	0.01	99.95
170.0-171.0	0.4	0.0	77.4	0.01	99.96
171.0-172.0	0.4	0.0	77.4	0.01	99.97
172.0-173.0	0.4	0.0	77.4	0.01	99.98
173.0-174.0	0.4	0.0	77.4	0.01	99.98
174.0-175.0	0.4	0.0	77.4	0.00	99.99
175.0-176.0	0.3	0.0	77.4	0.00	99.99
176.0-177.0	0.3	0.0	77.4	0.00	100.00
177.0-178.0	0.3	0.0	77.4	0.00	100.00
178.0-179.0	0.3	0.0	77.4	0.00	100.00
179.0-180.0	0.3	0.0	77.4	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: