GENLED Brands
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Report No.: **Test Time: 2023/10/8 17:43**

Luminaire Property

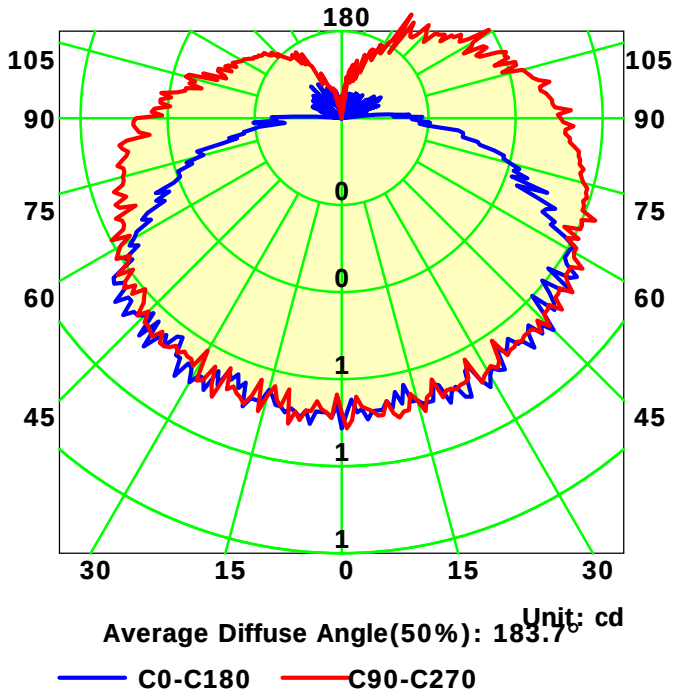
Luminaire Manufacturer:
Luminaire Category: TRI NODE RGB-0.75W-UCS8903
Luminaire Description: MILKY GLOBE IP67 **Lamp Catalog: NODE**
Lamp Description: 3 nodes RED **Luminous Length (mm): 250**
Luminous Width (mm): 60 **Luminous Height (mm): 75**
Voltage: 24.0 V **Current: 0.068 A**
Power: 1.62 W **Power Factor: 1.000**

Photometric Results

CIE Class: Semi-Direct **Total Rated Lamp Lumens: 8.6 lm**
Measurement Flux: 8.6 lm **Efficiency: 100%**
Downward Ratio: 70% **Upward Ratio: 30%**
Horizontal Diffuse Angle(10%,50%): H189.4,H152.4
Vertical Diffuse Angle(10%,50%): V332.5,V215
Luminaire Efficacy Rating (LER): 5 **Central Intensity: 1.19 cd**
Max. Intensity: 1.23 cd **Pos of Max. Intensity: H120 V24**

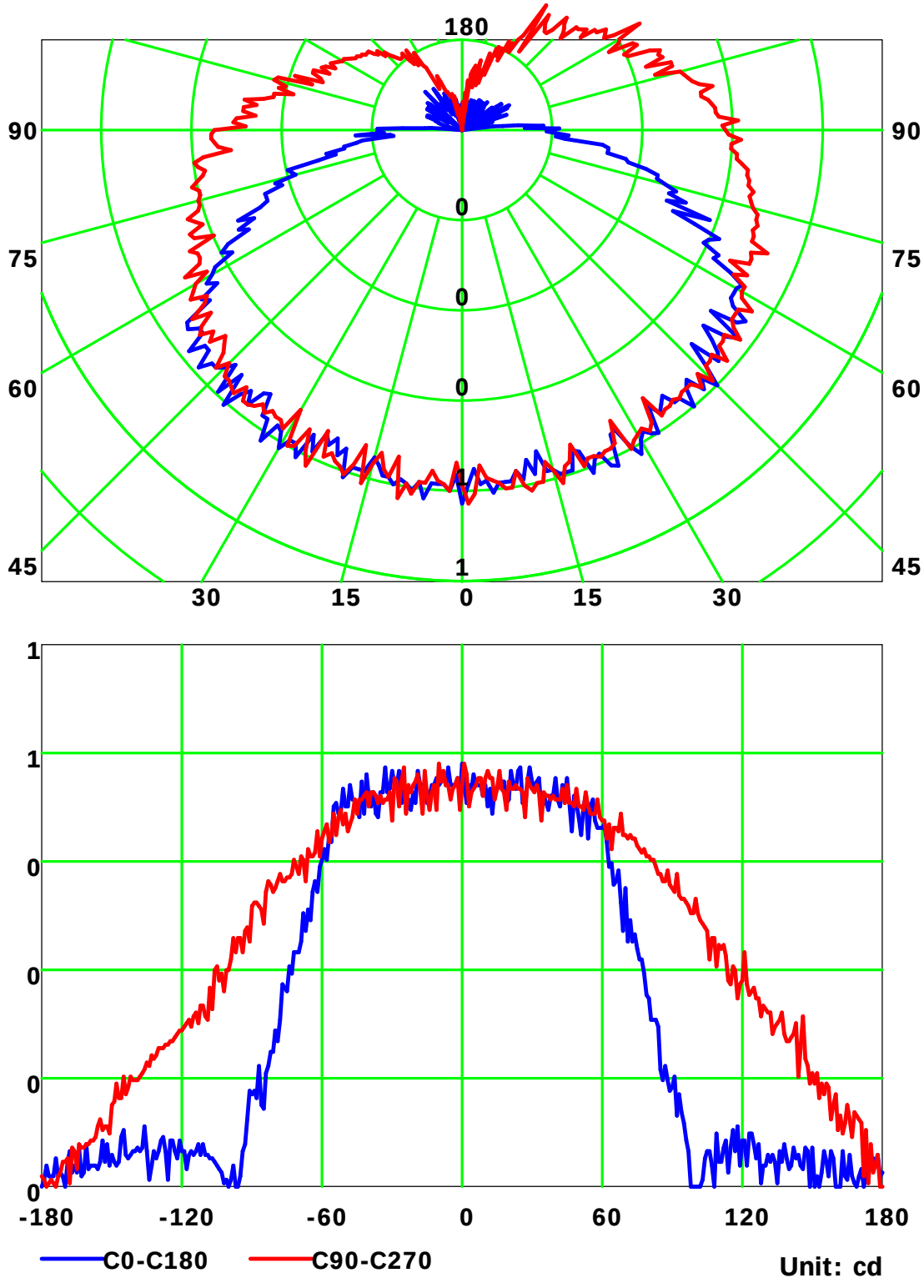
Picture Of Luminaire

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:**

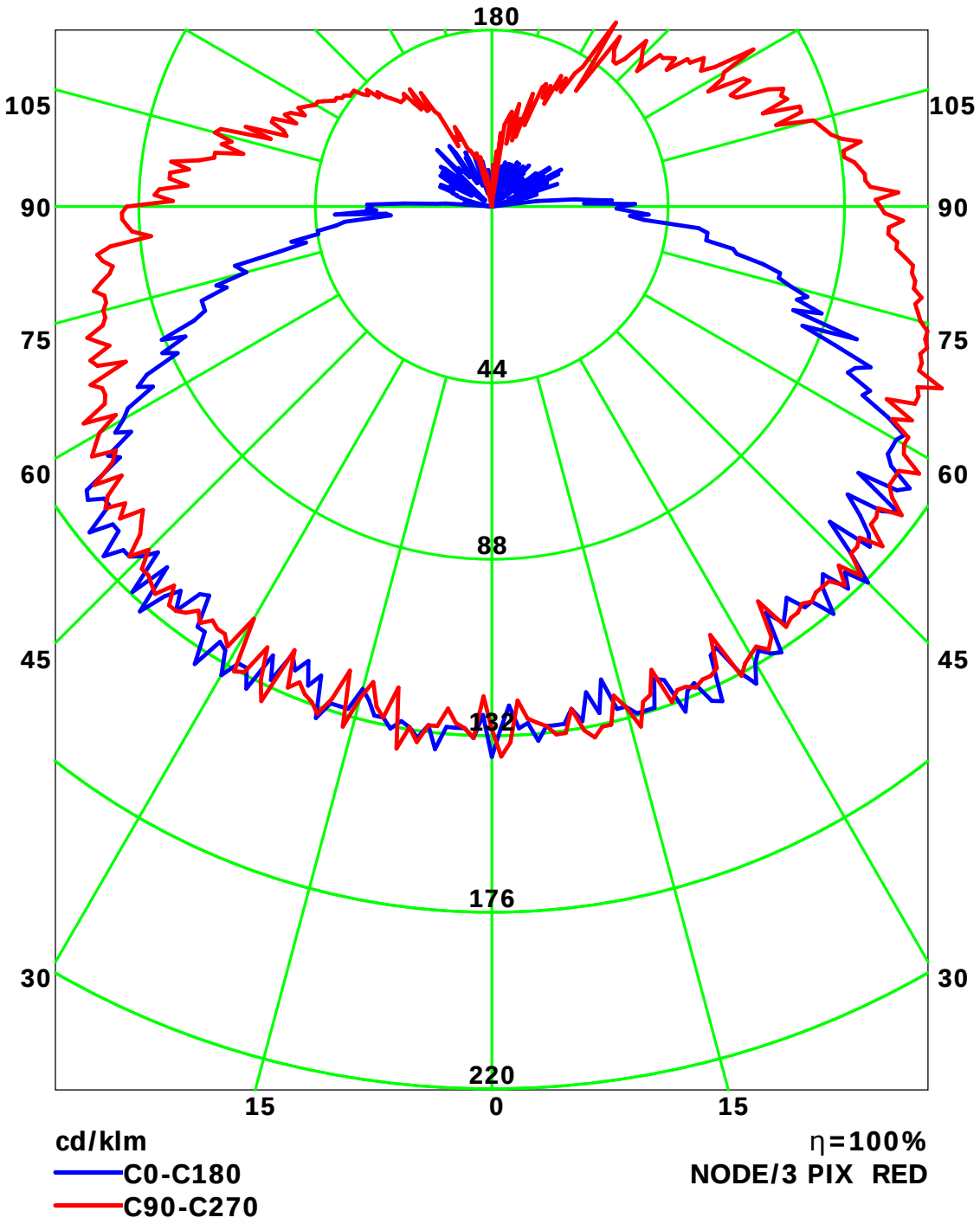
Luminous Intensity Distribution Curve



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

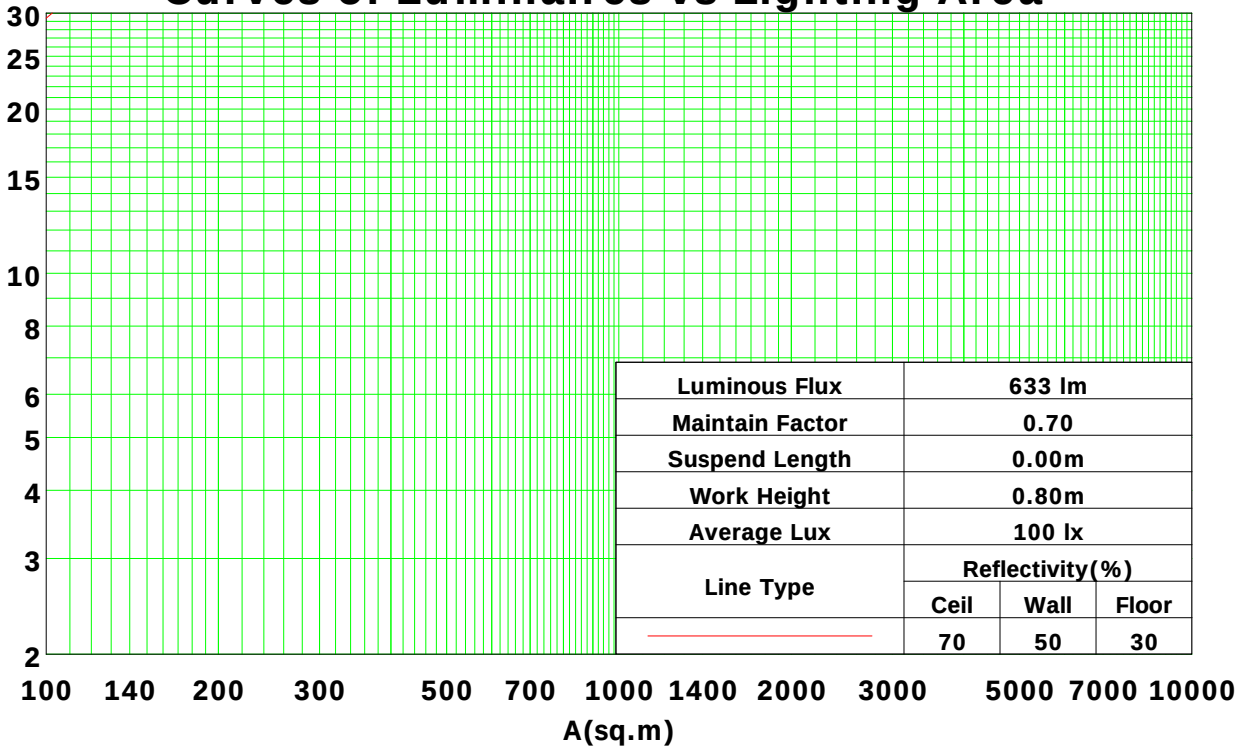
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

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	112	112	112	112	106	106	106	106	94	94	94	84	84	84	74	74	74	70
1	98	91	86	80	92	86	81	76	76	72	68	67	64	61	59	56	54	49
2	87	77	69	62	81	73	65	59	64	58	53	56	51	47	49	45	42	38
3	78	66	57	50	73	62	54	47	55	48	43	48	43	38	42	37	34	30
4	71	58	48	41	66	55	46	39	48	41	35	42	36	31	37	32	28	24
5	65	51	41	34	61	48	39	33	43	35	30	37	31	26	33	27	23	20
6	60	45	36	29	56	43	34	28	38	31	25	33	27	23	29	24	20	17
7	55	41	32	25	51	39	30	24	34	27	22	30	24	20	26	21	18	15
8	51	37	28	22	48	35	27	21	31	24	19	28	22	17	24	19	15	13
9	47	34	25	19	44	32	24	19	28	22	17	25	19	15	22	17	14	12
10	44	31	23	17	42	29	22	17	26	20	15	23	18	14	21	16	12	10

Spacing Criteria (0-180): 1.41
Spacing Criteria (90-270): 1.49
Spacing Criteria (Diagonal): 1.64

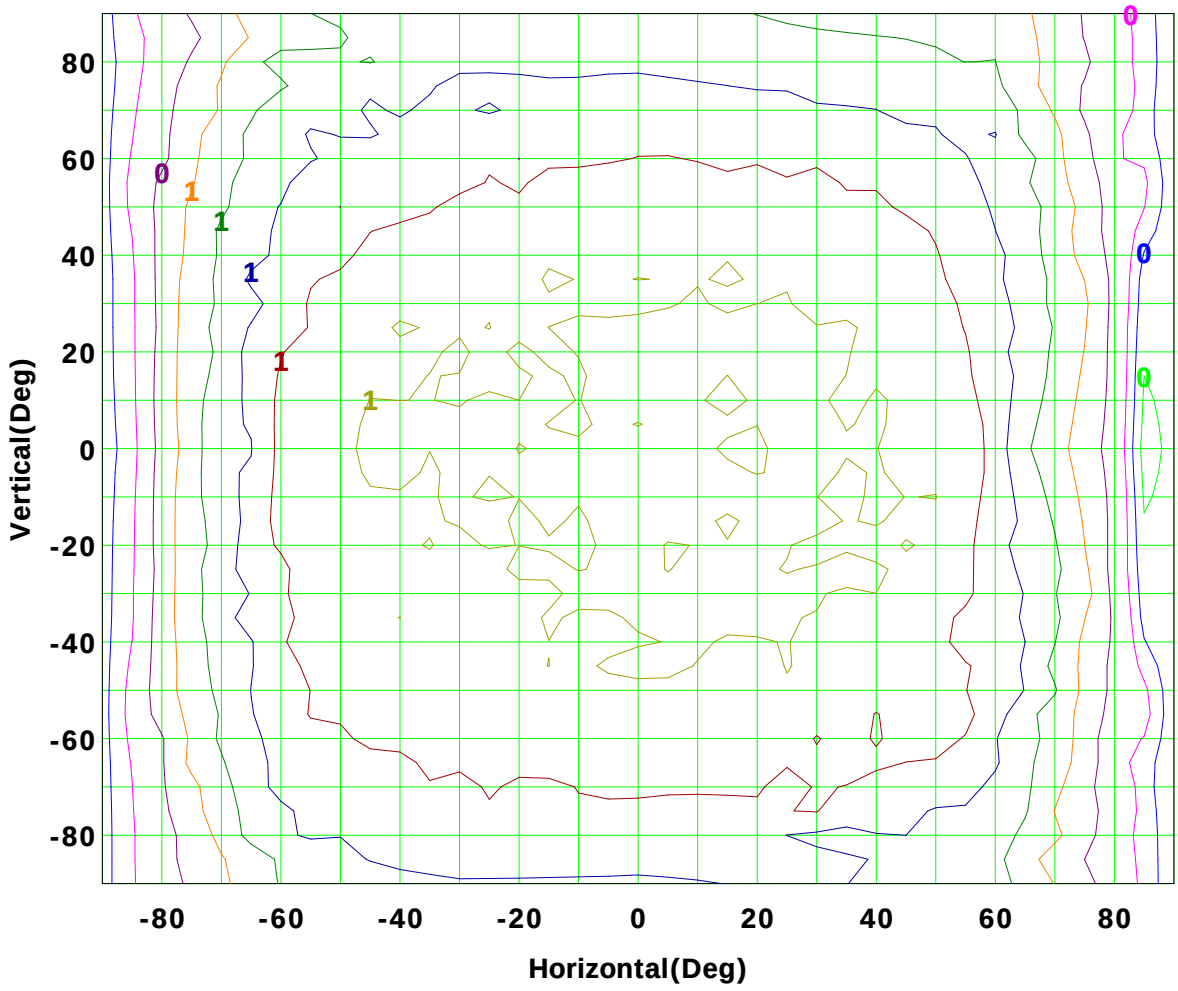
Curves of Luminaires vs Lighting Area



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)



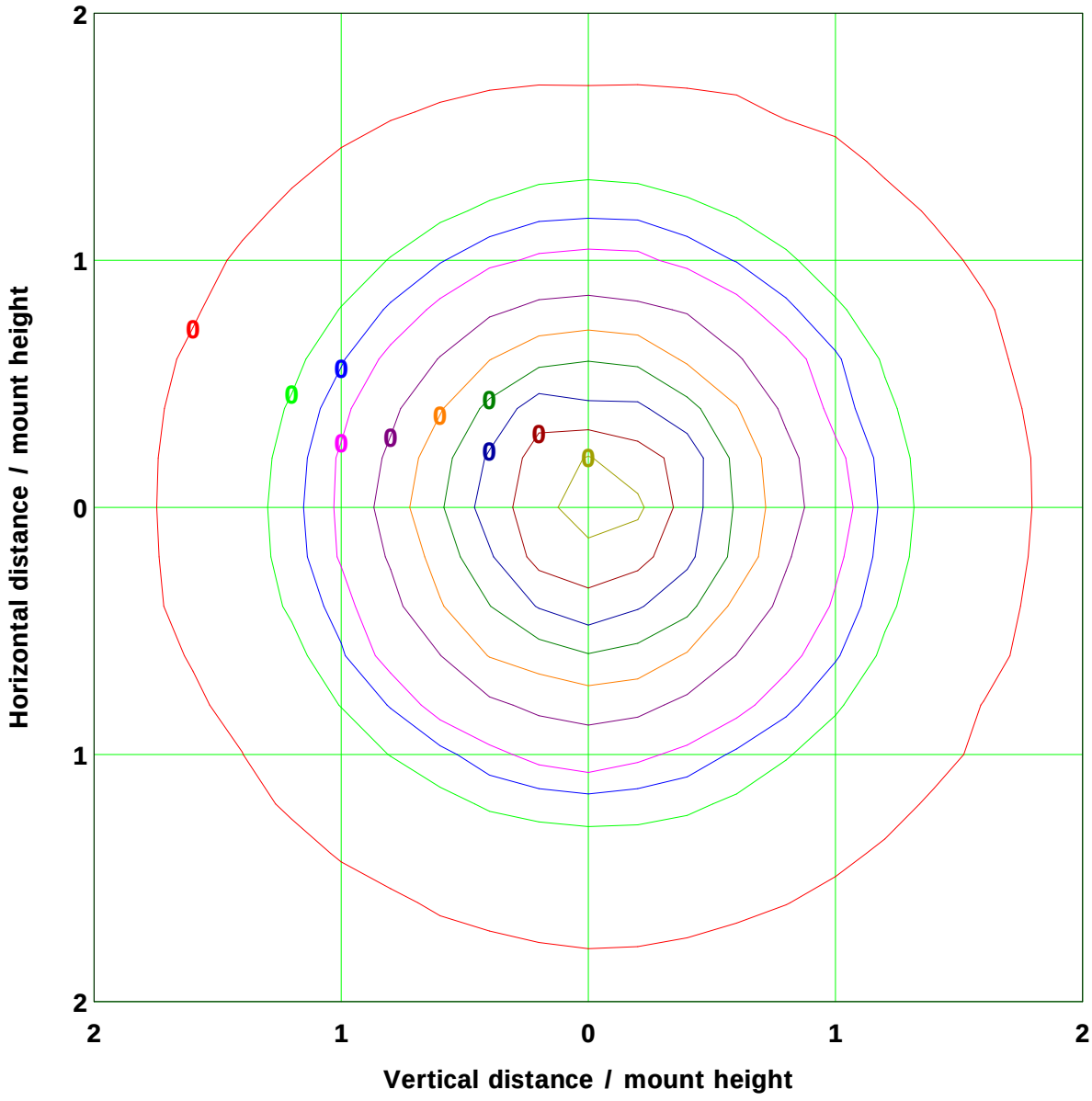
Imax (100%): 1 cd

(10%):	0 cd	(20%):	0 cd
(25%):	0 cd	(30%):	0 cd
(40%):	0 cd	(50%):	1 cd
(60%):	1 cd	(70%):	1 cd
(80%):	1 cd	(90%):	1 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%): 0.0 lx

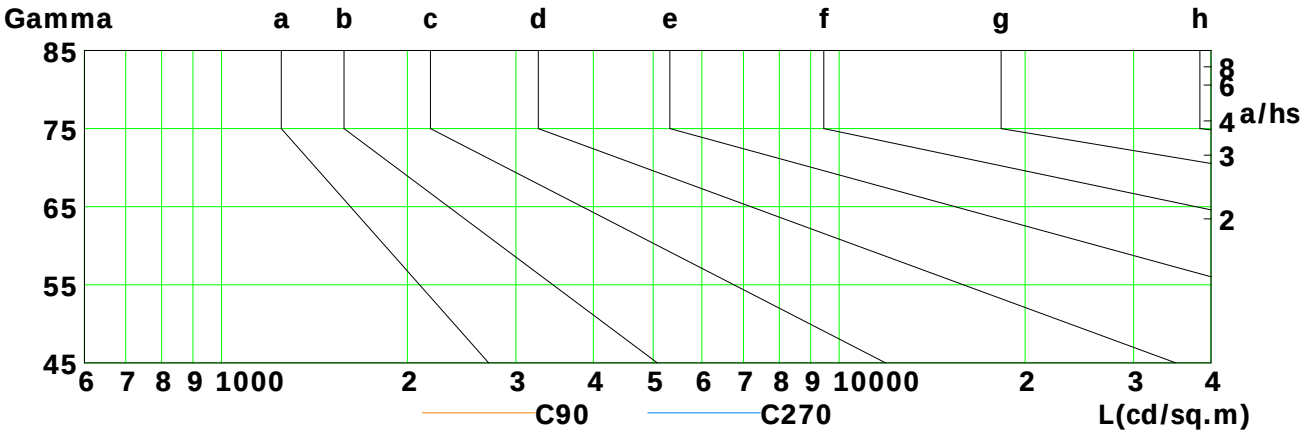
(10%): 0.0 lx	(20%): 0.0 lx
(25%): 0.0 lx	(30%): 0.0 lx
(40%): 0.0 lx	(50%): 0.0 lx
(60%): 0.0 lx	(70%): 0.0 lx
(80%): 0.0 lx	(90%): 0.0 lx

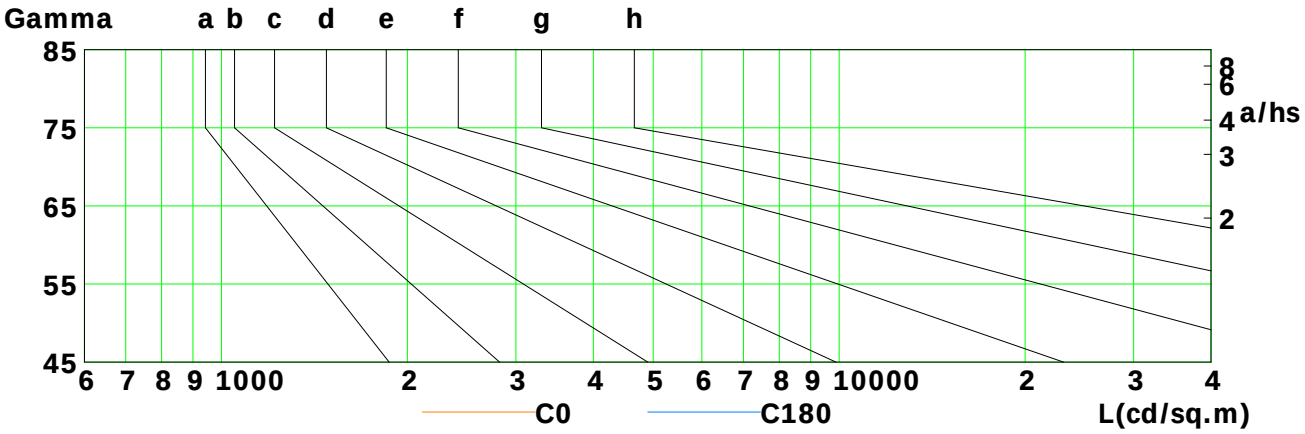
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

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



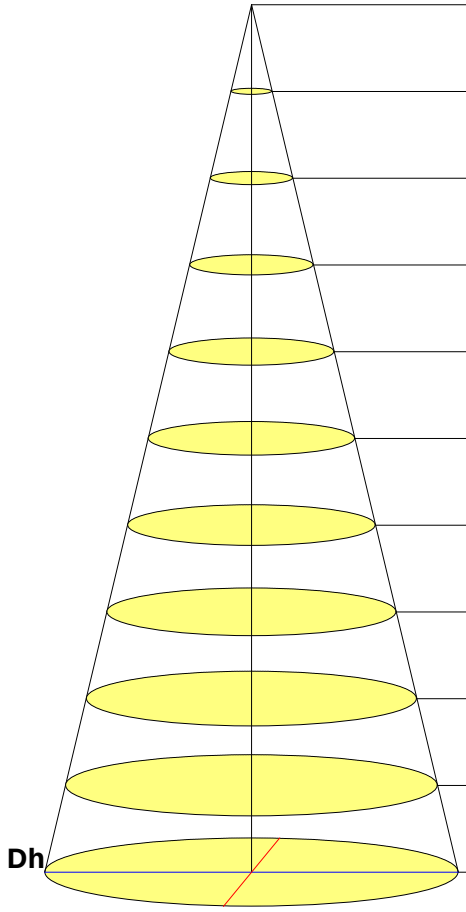


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	48	43	45	43	36	37	30	25	17
C90	82	82	85	90	97	106	117	132	152
C180	45	45	45	39	32	29	25	21	11
C270	76	80	85	86	89	94	106	119	128

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



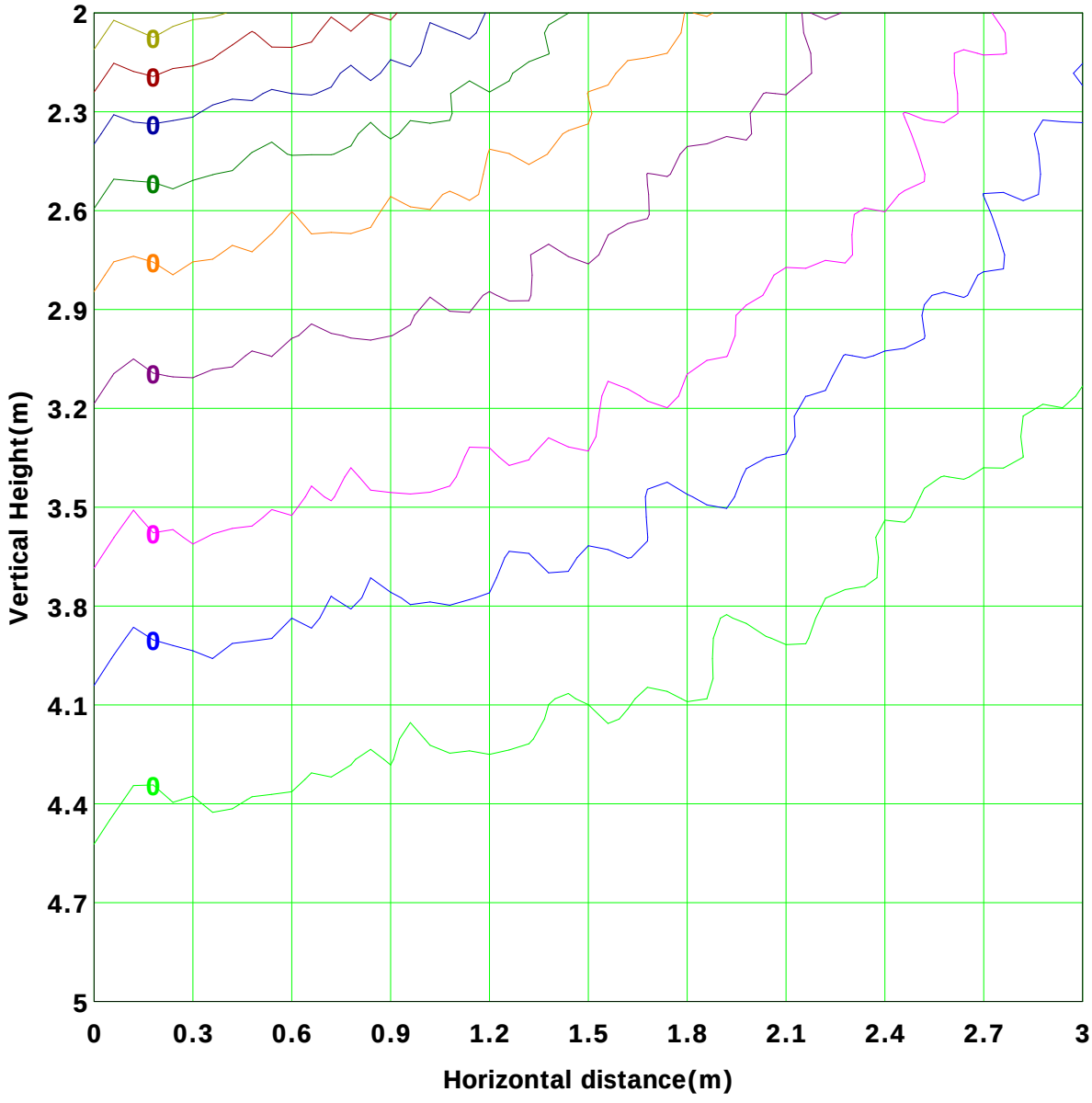
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	1.19	8.15/NA	NA	NA
2.0	0.30	16.31/NA	NA	NA
3.0	0.13	24.46/NA	NA	NA
4.0	0.07	32.62/NA	NA	NA
5.0	0.05	40.77/NA	NA	NA
6.0	0.03	48.93/NA	NA	NA
7.0	0.02	57.08/NA	NA	NA
8.0	0.02	65.24/NA	NA	NA
9.0	0.01	73.39/NA	NA	NA
10.0	0.01	81.55/NA	NA	NA

Beam Angle(B): H152.4 V215.0 Field Angle(F): H189.4 V332.5

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: 0.3 lx

(10%): 0.0 lx	(20%): 0.1 lx
(25%): 0.1 lx	(30%): 0.1 lx
(40%): 0.1 lx	(50%): 0.1 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:

Area Flux Table

Unit: lm

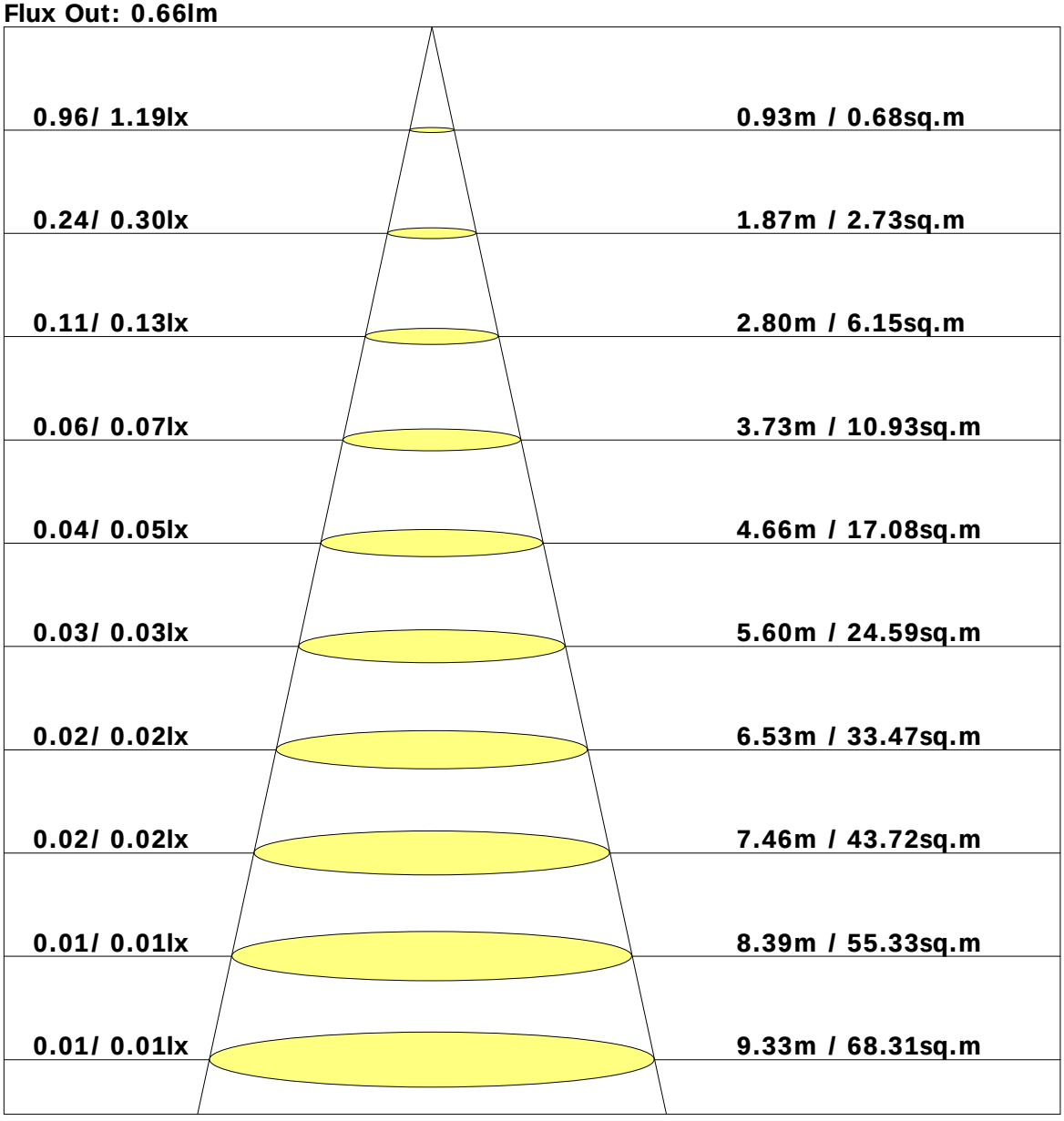
Horizontal plane	Vertical plane																					Flux(E)
	90	80	70	60	50	40	30	20	10	0	-10	-20	-30	-40	-50	-60	-70	-80	-90	Flux(T)	Flux(E)	
-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	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	0.2	0.2	0.2
-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	0.3	0.3	0.3
-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	0.4	0.4	0.4
-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	0.4	0.4	0.4
-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	0.5	0.5	0.5
-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	0.5	0.5	0.5
-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	0.6	0.6	0.6
0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
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	0.5	0.5	0.5
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	0.5	0.5	0.5
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	0.4	0.4	0.4
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	0.4	0.4	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	0.3	0.3	0.3
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	0.2	0.2	0.2
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	0.1	0.1	0.1
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	0.0
90	0.3	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	0.3	0.3	6		Flux(T)
Flux(E)	0.3	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	0.3	0.3		6	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: 0.66lm



Height	Avg./Nadir. E	Beam Angle:50.0°	Diameter / Area
1.0m	0.96/ 1.19lx		0.93m / 0.68sq.m
2.0m	0.24/ 0.30lx		1.87m / 2.73sq.m
3.0m	0.11/ 0.13lx		2.80m / 6.15sq.m
4.0m	0.06/ 0.07lx		3.73m / 10.93sq.m
5.0m	0.04/ 0.05lx		4.66m / 17.08sq.m
6.0m	0.03/ 0.03lx		5.60m / 24.59sq.m
7.0m	0.02/ 0.02lx		6.53m / 33.47sq.m
8.0m	0.02/ 0.02lx		7.46m / 43.72sq.m
9.0m	0.01/ 0.01lx		8.39m / 55.33sq.m
10.0m	0.01/ 0.01lx		9.33m / 68.31sq.m

C Plane (°):0.0-360.0: 30.0
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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	16.8	18.1	17.6	18.8	19.8	15.6	16.8	16.3	17.6	18.5
3H	19.2	20.3	19.9	21.1	22.1	18.3	19.4	19.0	20.2	21.2
4H	20.4	21.5	21.1	22.3	23.3	19.5	20.6	20.3	21.4	22.4
6H	21.4	22.4	22.2	23.2	24.2	20.7	21.7	21.5	22.6	23.6
8H	21.8	22.8	22.6	23.6	24.6	21.3	22.3	22.1	23.1	24.1
12H	22.2	23.1	23.0	23.9	25.0	21.8	22.8	22.6	23.6	24.6
X=4H Y=2H	17.4	18.5	18.1	19.3	20.3	16.5	17.6	17.2	18.4	19.3
3H	20.1	21.0	20.9	21.9	22.9	19.3	20.3	20.1	21.1	22.1
4H	21.5	22.3	22.3	23.2	24.2	20.7	21.6	21.5	22.5	23.5
6H	22.7	23.5	23.5	24.3	25.4	22.1	22.9	22.9	23.7	24.7
8H	23.2	23.9	24.0	24.8	25.8	22.7	23.5	23.6	24.3	25.4
12H	23.6	24.3	24.5	25.2	26.2	23.4	24.1	24.2	24.9	26.0
X=8H Y=4H	21.9	22.6	22.7	23.5	24.5	21.4	22.1	22.2	23.0	24.0
6H	23.4	24.0	24.2	24.9	26.0	22.9	23.6	23.8	24.4	25.5
8H	24.0	24.6	24.9	25.5	26.6	23.7	24.3	24.6	25.2	26.2
12H	24.7	25.2	25.5	26.1	27.2	24.5	25.0	25.4	25.9	27.0
X=12H Y=4H	22.0	22.6	22.8	23.5	24.6	21.5	22.2	22.4	23.1	24.1
6H	23.5	24.1	24.4	25.0	26.1	23.1	23.7	24.0	24.6	25.7
8H	24.3	24.8	25.2	25.7	26.8	24.0	24.5	24.9	25.4	26.5

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 = 1.75				
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	NA	0.51	0.58	0.63	0.70	0.75	0.79	0.84	0.87
	0.30		NA	0.43	0.50	0.55	0.63	0.68	0.72	0.78	0.82
	0.20		NA	0.37	0.43	0.49	0.57	0.62	0.67	0.74	0.78
0.50	0.50	0.20	NA	0.46	0.52	0.56	0.62	0.67	0.70	0.74	0.77
	0.30		NA	0.39	0.45	0.49	0.56	0.61	0.65	0.70	0.74
	0.20		NA	0.34	0.39	0.44	0.51	0.56	0.60	0.66	0.70
0.30	0.50	0.20	NA	0.41	0.46	0.50	0.55	0.59	0.62	0.66	0.68
	0.30		NA	0.35	0.40	0.44	0.50	0.54	0.58	0.62	0.65
	0.20		NA	0.31	0.36	0.40	0.46	0.51	0.54	0.59	0.62
0.00	0.00	0.00	NA	0.25	0.29	0.32	0.37	0.41	0.44	0.48	0.51

Rating:2W 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 = 1.75				
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	NA	0.89	0.79	0.70	0.58	0.50	0.44	0.36	0.30
	0.30		NA	0.77	0.68	0.62	0.53	0.46	0.41	0.33	0.29
	0.20		NA	0.67	0.61	0.56	0.48	0.42	0.38	0.32	0.27
0.50	0.50	0.20	NA	0.81	0.71	0.64	0.53	0.47	0.40	0.32	0.28
	0.30		NA	0.70	0.63	0.57	0.48	0.42	0.38	0.31	0.26
	0.20		NA	0.62	0.56	0.52	0.44	0.39	0.35	0.29	0.25
0.30	0.50	0.20	NA	0.73	0.64	0.58	0.48	0.41	0.37	0.30	0.25
	0.30		NA	0.64	0.58	0.52	0.44	0.39	0.34	0.28	0.24
	0.20		NA	0.57	0.52	0.48	0.41	0.36	0.33	0.27	0.23
0.00	0.00	0.00	0.70	0.45	0.41	0.38	0.32	0.29	0.26	0.22	0.19

Rating:2W 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 = 1.75				
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	NA	0.48	0.48	0.49	0.50	0.50	0.51	0.51	0.51
	0.30		NA	0.41	0.42	0.43	0.44	0.45	0.46	0.47	0.48
	0.20		NA	0.35	0.36	0.37	0.39	0.41	0.42	0.43	0.44
0.50	0.50	0.20	NA	0.46	0.47	0.47	0.48	0.48	0.49	0.49	0.49
	0.30		NA	0.40	0.41	0.42	0.43	0.44	0.44	0.45	0.46
	0.20		NA	0.35	0.36	0.37	0.38	0.40	0.41	0.42	0.43
0.30	0.50	0.20	NA	0.44	0.45	0.45	0.46	0.46	0.47	0.47	0.47
	0.30		NA	0.39	0.40	0.40	0.42	0.42	0.43	0.44	0.44
	0.20		NA	0.35	0.35	0.36	0.38	0.39	0.40	0.41	0.42
0.00	0.00	0.00	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30

Rating:2W 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	1.1	0.0	0.0	0.01	0.01
1.0-2.0	1.1	0.0	0.0	0.04	0.05
2.0-3.0	1.1	0.0	0.0	0.06	0.11
3.0-4.0	1.1	0.0	0.0	0.09	0.20
4.0-5.0	1.1	0.0	0.0	0.11	0.31
5.0-6.0	1.1	0.0	0.0	0.14	0.45
6.0-7.0	1.1	0.0	0.1	0.16	0.61
7.0-8.0	1.1	0.0	0.1	0.19	0.80
8.0-9.0	1.1	0.0	0.1	0.21	1.01
9.0-10.0	1.1	0.0	0.1	0.24	1.24
10.0-11.0	1.1	0.0	0.1	0.26	1.51
11.0-12.0	1.1	0.0	0.2	0.28	1.79
12.0-13.0	1.1	0.0	0.2	0.31	2.10
13.0-14.0	1.1	0.0	0.2	0.33	2.43
14.0-15.0	1.1	0.0	0.2	0.35	2.78
15.0-16.0	1.1	0.0	0.3	0.38	3.16
16.0-17.0	1.1	0.0	0.3	0.40	3.57
17.0-18.0	1.1	0.0	0.3	0.42	3.99
18.0-19.0	1.1	0.0	0.4	0.45	4.44
19.0-20.0	1.1	0.0	0.4	0.47	4.91
20.0-21.0	1.1	0.0	0.5	0.49	5.40
21.0-22.0	1.1	0.0	0.5	0.52	5.92
22.0-23.0	1.1	0.0	0.6	0.54	6.46
23.0-24.0	1.1	0.0	0.6	0.56	7.02
24.0-25.0	1.1	0.1	0.7	0.59	7.61
25.0-26.0	1.1	0.1	0.7	0.60	8.22
26.0-27.0	1.1	0.1	0.8	0.63	8.84
27.0-28.0	1.1	0.1	0.8	0.66	9.50
28.0-29.0	1.1	0.1	0.9	0.68	10.19
29.0-30.0	1.1	0.1	0.9	0.70	10.89
30.0-31.0	1.1	0.1	1.0	0.72	11.61
31.0-32.0	1.1	0.1	1.1	0.73	12.34
32.0-33.0	1.1	0.1	1.1	0.76	13.09
33.0-34.0	1.1	0.1	1.2	0.77	13.87
34.0-35.0	1.1	0.1	1.3	0.79	14.65
35.0-36.0	1.1	0.1	1.3	0.80	15.45

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 1)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	1.1	0.1	1.4	0.82	16.28
37.0-38.0	1.1	0.1	1.5	0.85	17.13
38.0-39.0	1.1	0.1	1.6	0.86	17.99
39.0-40.0	1.1	0.1	1.6	0.87	18.87
40.0-41.0	1.1	0.1	1.7	0.90	19.76
41.0-42.0	1.1	0.1	1.8	0.91	20.68
42.0-43.0	1.1	0.1	1.9	0.94	21.61
43.0-44.0	1.1	0.1	1.9	0.95	22.56
44.0-45.0	1.1	0.1	2.0	0.96	23.52
45.0-46.0	1.1	0.1	2.1	0.98	24.50
46.0-47.0	1.1	0.1	2.2	0.99	25.49
47.0-48.0	1.1	0.1	2.3	1.00	26.48
48.0-49.0	1.1	0.1	2.4	1.01	27.50
49.0-50.0	1.1	0.1	2.5	1.02	28.52
50.0-51.0	1.1	0.1	2.6	1.03	29.56
51.0-52.0	1.1	0.1	2.6	1.05	30.60
52.0-53.0	1.1	0.1	2.7	1.06	31.66
53.0-54.0	1.0	0.1	2.8	1.06	32.72
54.0-55.0	1.0	0.1	2.9	1.08	33.80
55.0-56.0	1.0	0.1	3.0	1.09	34.89
56.0-57.0	1.0	0.1	3.1	1.09	35.98
57.0-58.0	1.0	0.1	3.2	1.09	37.07
58.0-59.0	1.0	0.1	3.3	1.09	38.16
59.0-60.0	1.0	0.1	3.4	1.10	39.25
60.0-61.0	1.0	0.1	3.5	1.10	40.35
61.0-62.0	1.0	0.1	3.6	1.10	41.45
62.0-63.0	1.0	0.1	3.7	1.10	42.55
63.0-64.0	1.0	0.1	3.8	1.08	43.63
64.0-65.0	0.9	0.1	3.9	1.08	44.71
65.0-66.0	1.0	0.1	4.0	1.10	45.82
66.0-67.0	0.9	0.1	4.1	1.10	46.92
67.0-68.0	0.9	0.1	4.1	1.09	48.01
68.0-69.0	0.9	0.1	4.2	1.09	49.10
69.0-70.0	0.9	0.1	4.3	1.10	50.20
70.0-71.0	0.9	0.1	4.4	1.08	51.28
71.0-72.0	0.9	0.1	4.5	1.07	52.35

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	0.9	0.1	4.6	1.06	53.41
73.0-74.0	0.9	0.1	4.7	1.06	54.47
74.0-75.0	0.9	0.1	4.8	1.05	55.52
75.0-76.0	0.8	0.1	4.9	1.04	56.56
76.0-77.0	0.8	0.1	5.0	1.04	57.60
77.0-78.0	0.8	0.1	5.1	1.03	58.63
78.0-79.0	0.8	0.1	5.2	1.01	59.64
79.0-80.0	0.8	0.1	5.2	1.00	60.63
80.0-81.0	0.8	0.1	5.3	0.99	61.62
81.0-82.0	0.8	0.1	5.4	0.97	62.59
82.0-83.0	0.8	0.1	5.5	0.95	63.54
83.0-84.0	0.7	0.1	5.6	0.94	64.48
84.0-85.0	0.7	0.1	5.7	0.93	65.41
85.0-86.0	0.7	0.1	5.7	0.92	66.33
86.0-87.0	0.7	0.1	5.8	0.91	67.24
87.0-88.0	0.7	0.1	5.9	0.88	68.12
88.0-89.0	0.7	0.1	6.0	0.86	68.99
89.0-90.0	0.7	0.1	6.0	0.87	69.86
90.0-91.0	0.7	0.1	6.1	0.86	70.72
91.0-92.0	0.7	0.1	6.2	0.83	71.55
92.0-93.0	0.7	0.1	6.3	0.82	72.37
93.0-94.0	0.6	0.1	6.3	0.81	73.18
94.0-95.0	0.6	0.1	6.4	0.79	73.97
95.0-96.0	0.6	0.1	6.5	0.78	74.74
96.0-97.0	0.6	0.1	6.5	0.76	75.50
97.0-98.0	0.6	0.1	6.6	0.74	76.23
98.0-99.0	0.6	0.1	6.7	0.73	76.97
99.0-100.0	0.6	0.1	6.7	0.72	77.69
100.0-101.0	0.6	0.1	6.8	0.71	78.40
101.0-102.0	0.5	0.1	6.8	0.68	79.07
102.0-103.0	0.5	0.1	6.9	0.67	79.75
103.0-104.0	0.6	0.1	6.9	0.68	80.43
104.0-105.0	0.5	0.1	7.0	0.67	81.10
105.0-106.0	0.5	0.1	7.1	0.66	81.76
106.0-107.0	0.5	0.1	7.1	0.65	82.41
107.0-108.0	0.5	0.1	7.2	0.63	83.05

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	0.5	0.1	7.2	0.61	83.66
109.0-110.0	0.5	0.1	7.3	0.59	84.25
110.0-111.0	0.5	0.1	7.3	0.60	84.85
111.0-112.0	0.5	0.1	7.4	0.60	85.45
112.0-113.0	0.5	0.1	7.4	0.58	86.03
113.0-114.0	0.5	0.0	7.5	0.56	86.59
114.0-115.0	0.5	0.0	7.5	0.55	87.14
115.0-116.0	0.5	0.0	7.6	0.53	87.67
116.0-117.0	0.5	0.0	7.6	0.52	88.19
117.0-118.0	0.5	0.0	7.7	0.52	88.72
118.0-119.0	0.5	0.0	7.7	0.50	89.22
119.0-120.0	0.4	0.0	7.8	0.48	89.70
120.0-121.0	0.4	0.0	7.8	0.48	90.18
121.0-122.0	0.4	0.0	7.8	0.46	90.64
122.0-123.0	0.4	0.0	7.9	0.44	91.08
123.0-124.0	0.4	0.0	7.9	0.44	91.52
124.0-125.0	0.4	0.0	7.9	0.43	91.95
125.0-126.0	0.4	0.0	8.0	0.41	92.36
126.0-127.0	0.4	0.0	8.0	0.39	92.74
127.0-128.0	0.4	0.0	8.0	0.38	93.13
128.0-129.0	0.4	0.0	8.1	0.37	93.50
129.0-130.0	0.4	0.0	8.1	0.36	93.86
130.0-131.0	0.4	0.0	8.1	0.35	94.21
131.0-132.0	0.4	0.0	8.2	0.34	94.55
132.0-133.0	0.3	0.0	8.2	0.32	94.87
133.0-134.0	0.3	0.0	8.2	0.30	95.17
134.0-135.0	0.3	0.0	8.2	0.29	95.46
135.0-136.0	0.3	0.0	8.3	0.28	95.74
136.0-137.0	0.3	0.0	8.3	0.28	96.02
137.0-138.0	0.3	0.0	8.3	0.26	96.28
138.0-139.0	0.3	0.0	8.3	0.25	96.53
139.0-140.0	0.3	0.0	8.4	0.24	96.78
140.0-141.0	0.3	0.0	8.4	0.24	97.01
141.0-142.0	0.3	0.0	8.4	0.23	97.24
142.0-143.0	0.3	0.0	8.4	0.22	97.46
143.0-144.0	0.3	0.0	8.4	0.20	97.66

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	0.3	0.0	8.5	0.19	97.85
145.0-146.0	0.3	0.0	8.5	0.19	98.03
146.0-147.0	0.3	0.0	8.5	0.18	98.21
147.0-148.0	0.2	0.0	8.5	0.16	98.37
148.0-149.0	0.2	0.0	8.5	0.15	98.52
149.0-150.0	0.2	0.0	8.5	0.14	98.66
150.0-151.0	0.2	0.0	8.5	0.12	98.78
151.0-152.0	0.2	0.0	8.5	0.11	98.90
152.0-153.0	0.2	0.0	8.6	0.10	99.00
153.0-154.0	0.2	0.0	8.6	0.10	99.10
154.0-155.0	0.2	0.0	8.6	0.10	99.20
155.0-156.0	0.2	0.0	8.6	0.09	99.30
156.0-157.0	0.2	0.0	8.6	0.08	99.38
157.0-158.0	0.1	0.0	8.6	0.07	99.45
158.0-159.0	0.1	0.0	8.6	0.07	99.52
159.0-160.0	0.1	0.0	8.6	0.06	99.58
160.0-161.0	0.1	0.0	8.6	0.05	99.63
161.0-162.0	0.1	0.0	8.6	0.05	99.68
162.0-163.0	0.1	0.0	8.6	0.04	99.73
163.0-164.0	0.1	0.0	8.6	0.04	99.77
164.0-165.0	0.1	0.0	8.6	0.04	99.81
165.0-166.0	0.1	0.0	8.6	0.03	99.85
166.0-167.0	0.1	0.0	8.6	0.03	99.88
167.0-168.0	0.1	0.0	8.6	0.03	99.90
168.0-169.0	0.1	0.0	8.6	0.02	99.92
169.0-170.0	0.1	0.0	8.6	0.02	99.94
170.0-171.0	0.1	0.0	8.6	0.02	99.96
171.0-172.0	0.1	0.0	8.6	0.01	99.97
172.0-173.0	0.0	0.0	8.6	0.01	99.98
173.0-174.0	0.0	0.0	8.6	0.01	99.98
174.0-175.0	0.0	0.0	8.6	0.01	99.99
175.0-176.0	0.0	0.0	8.6	0.00	99.99
176.0-177.0	0.0	0.0	8.6	0.00	100.00
177.0-178.0	0.0	0.0	8.6	0.00	100.00
178.0-179.0	0.0	0.0	8.6	0.00	100.00
179.0-180.0	0.0	0.0	8.6	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: