GENLED Brands
www.genledbrands.com
Tel:+1 212 629 6830
Fax:

Report No.: **Test Time: 2023/10/8 16:57**

Luminaire Property

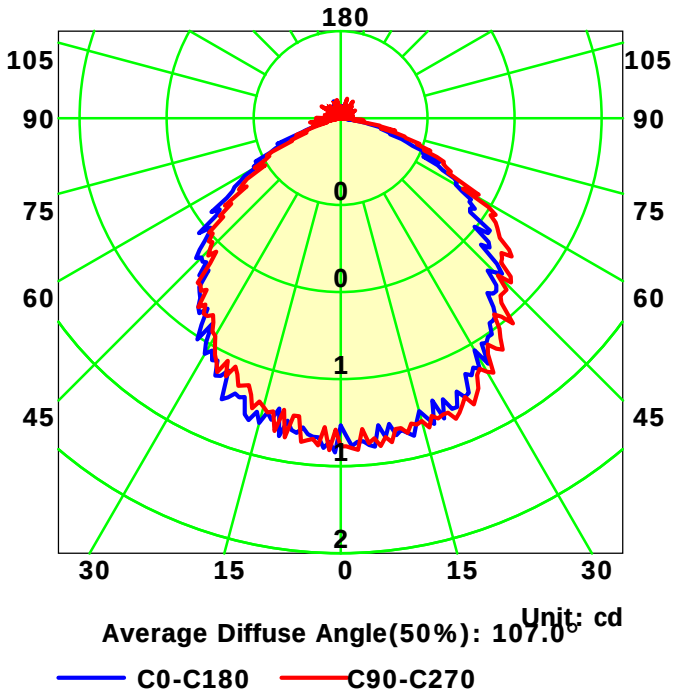
Luminaire Manufacturer:
Luminaire Category: TRI NODE RGB-0.75W-UCS8903
Luminaire Description: CLEAR FLAT IP67 **Lamp Catalog: NODE**
Lamp Description: 3 nodes **BLUE** **Luminous Length (mm): 250**
Luminous Width (mm): 50 **Luminous Height (mm): 30**
Voltage: 24.0 V **Current: 0.059 A**
Power: 1.41 W **Power Factor: 1.000**

Photometric Results

CIE Class: Direct **Total Rated Lamp Lumens: 4.2 lm**
Measurement Flux: 4.2 lm **Efficiency: 100%**
Downward Ratio: 97% **Upward Ratio: 3%**
Horizontal Diffuse Angle(10%,50%): H149.3,H105.4
Vertical Diffuse Angle(10%,50%): V150.1,V108.6
Luminaire Efficacy Rating (LER): 3 **Central Intensity: 1.48 cd**
Max. Intensity: 1.63 cd **Pos of Max. Intensity: H120 V7**

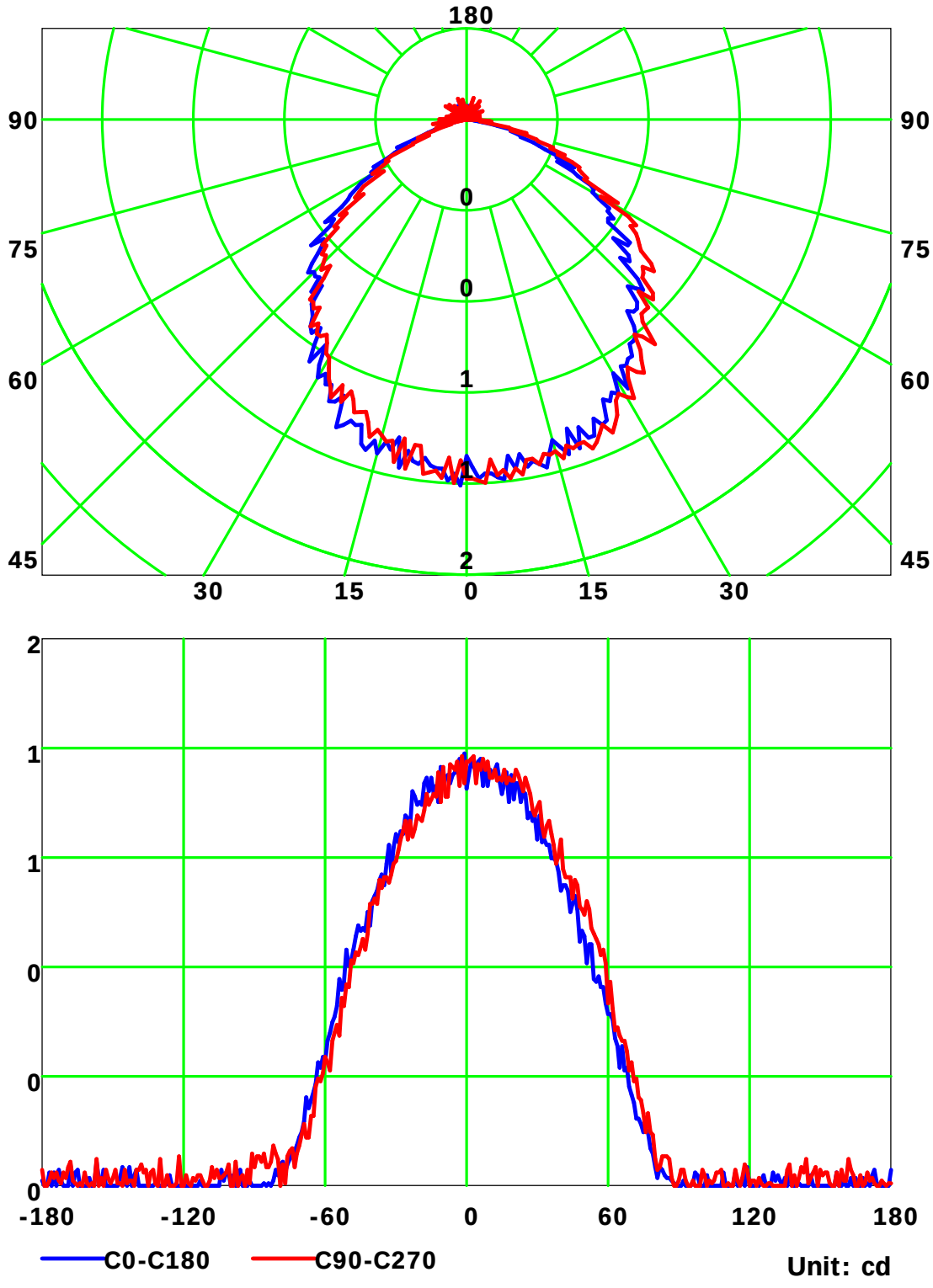
Picture Of Luminaire

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:**

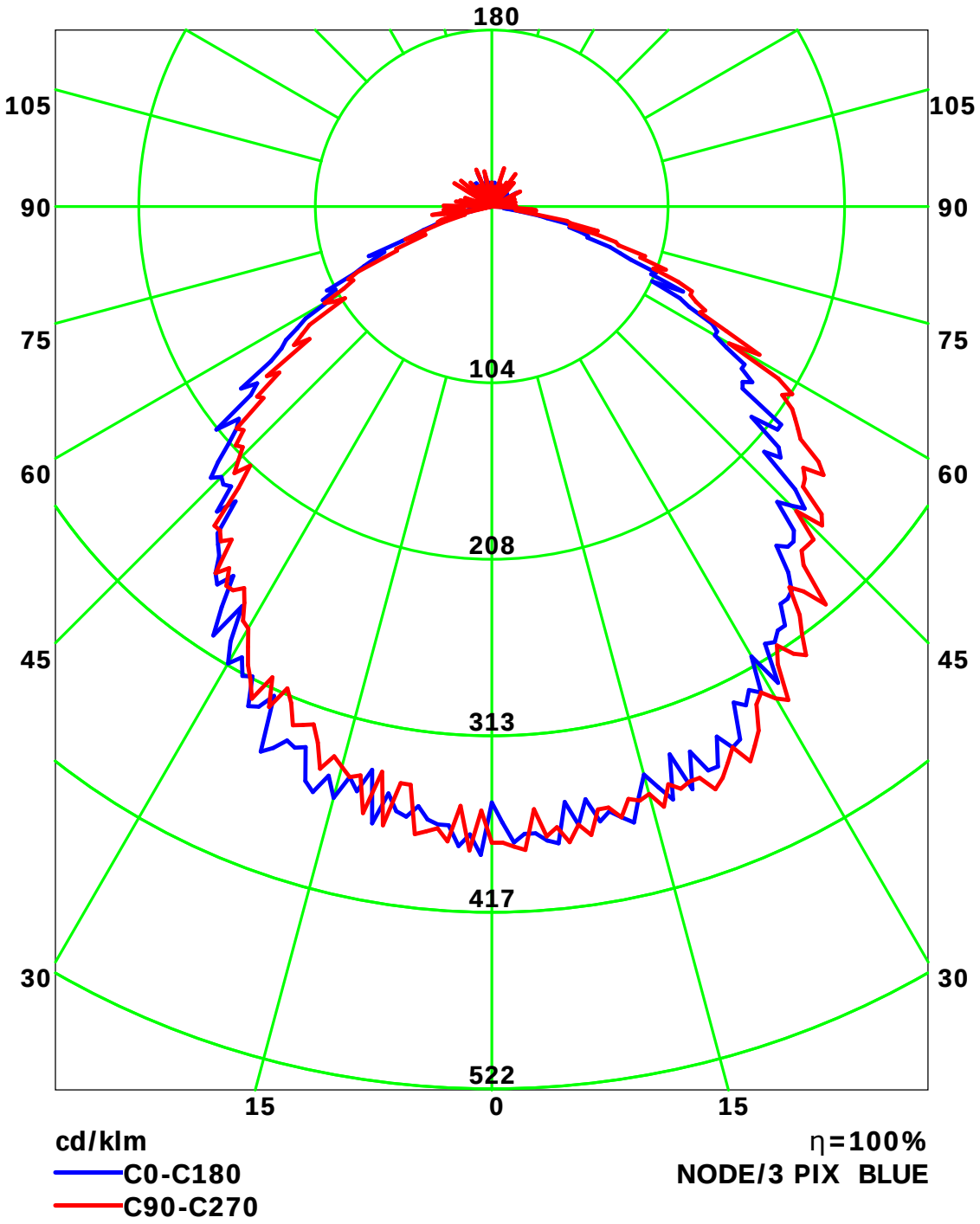
Luminous Intensity Distribution Curve



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

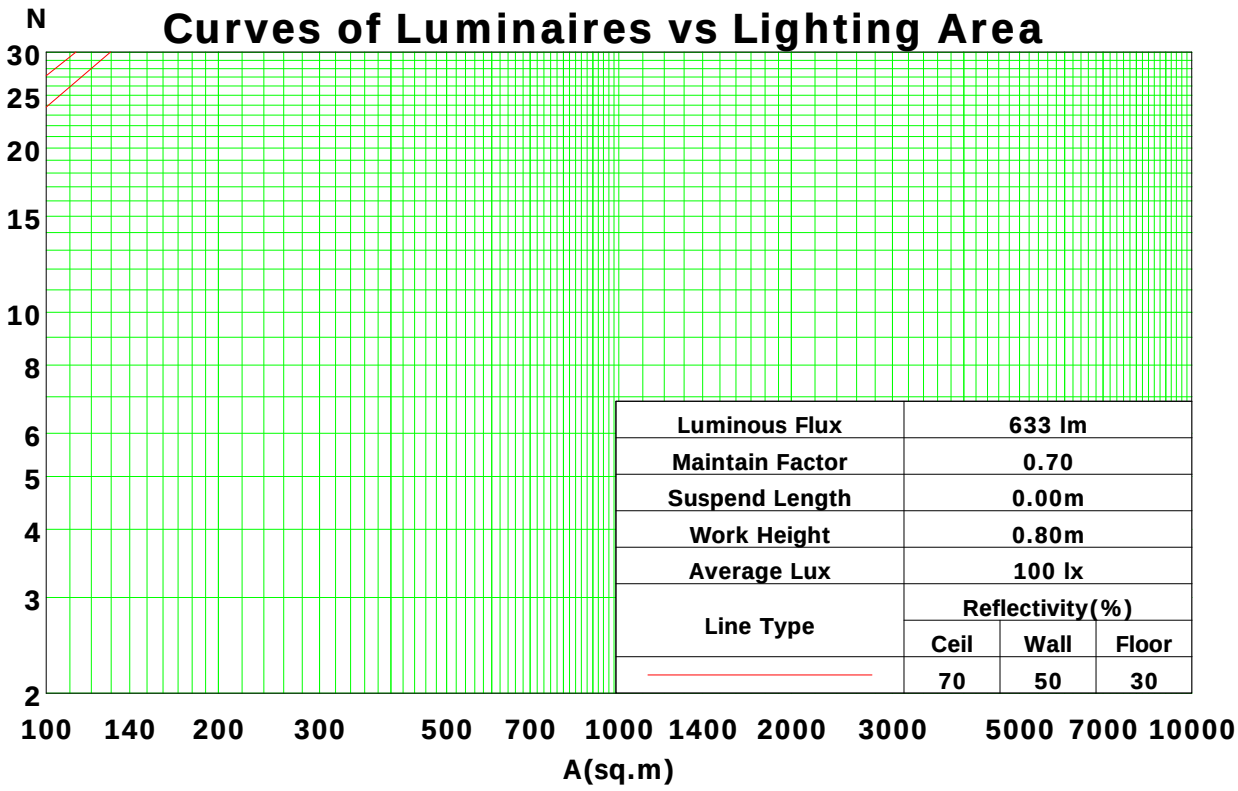
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

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	118	118	118	118	115	115	115	115	110	110	110	104	104	104	99	99	99	97
1	109	105	101	97	106	102	98	95	97	94	92	93	91	88	89	87	85	83
2	100	92	85	80	97	90	84	79	86	81	77	82	78	75	79	75	72	70
3	91	81	73	67	88	79	72	66	76	70	65	73	68	63	70	66	62	60
4	84	72	64	57	81	71	63	57	68	61	56	65	59	55	63	58	54	51
5	77	65	56	50	75	63	55	49	61	54	48	59	52	48	57	51	47	45
6	71	58	50	43	69	57	49	43	55	48	42	53	47	42	51	46	41	39
7	66	53	44	38	64	52	44	38	50	43	38	48	42	37	47	41	37	35
8	61	48	40	34	60	47	40	34	46	39	34	44	38	33	43	37	33	31
9	57	44	36	31	56	44	36	31	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	52	40	33	28	39	32	28	38	32	27	37	31	27	25

Spacing Criteria (0-180): 1.31
Spacing Criteria (90-270): 1.23
Spacing Criteria (Diagonal): 1.38

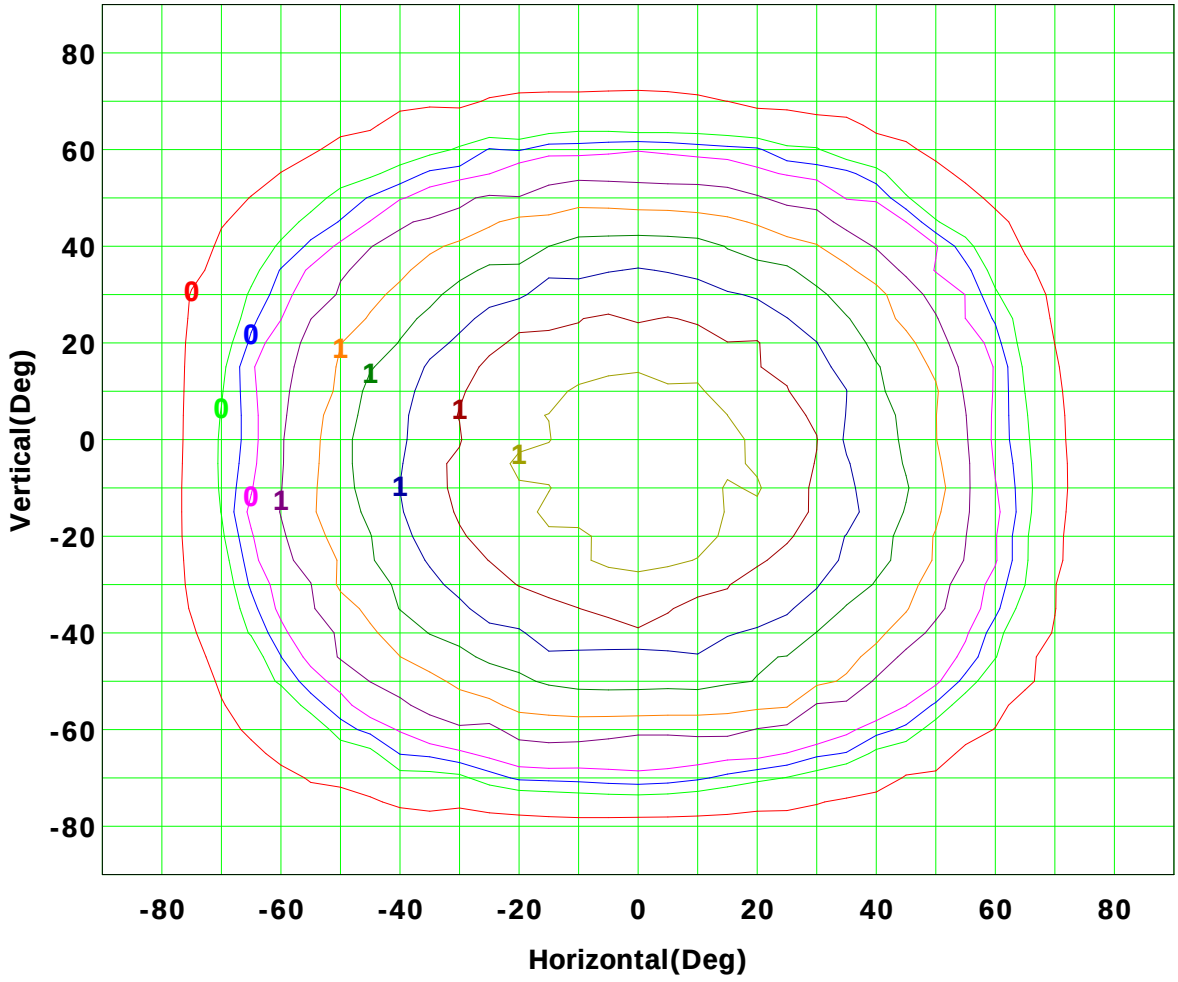
Curves of Luminaires vs Lighting Area



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)



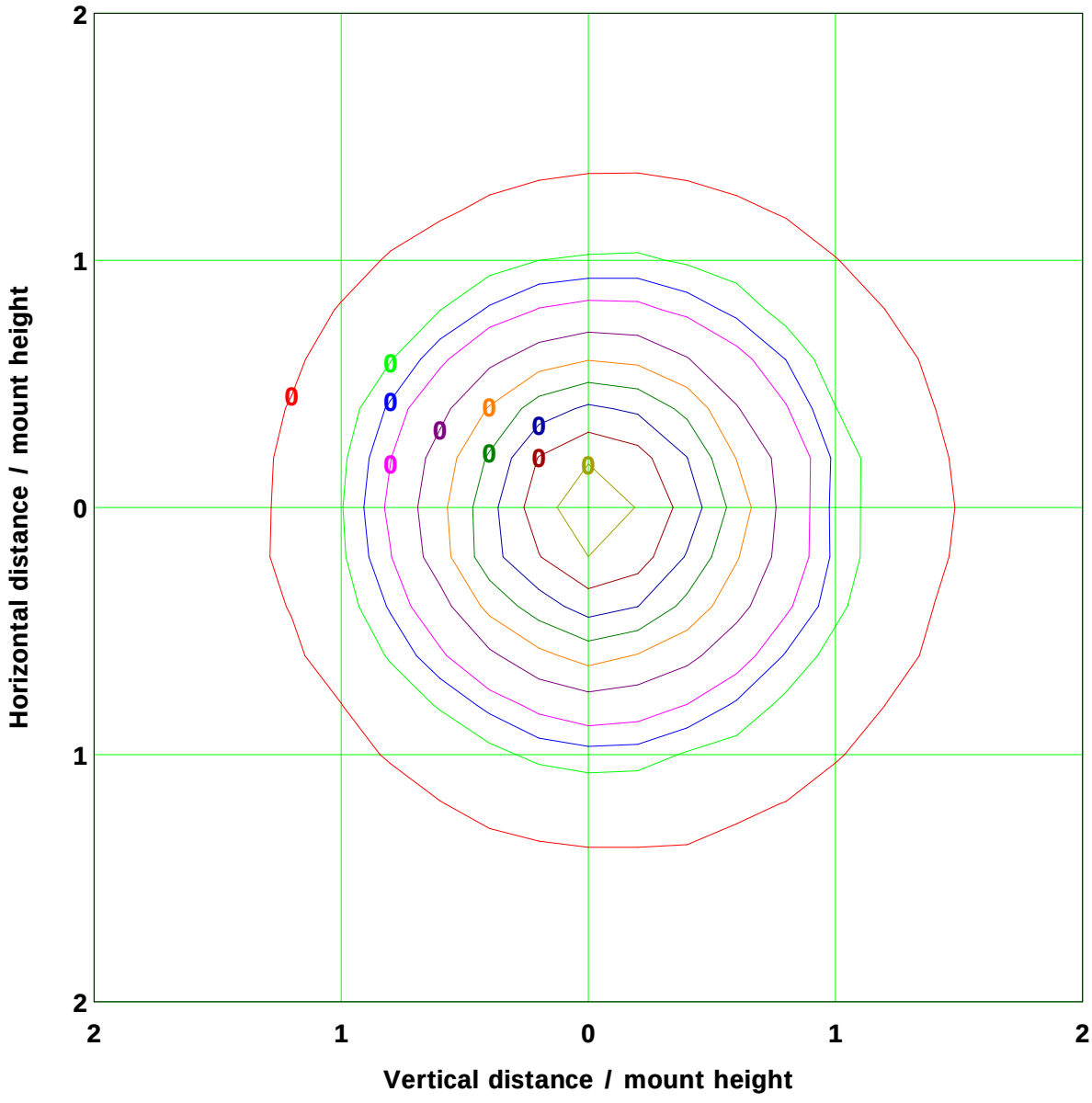
Imax (100%): 2 cd

(10%):	0 cd	(20%):	0 cd
(25%):	0 cd	(30%):	0 cd
(40%):	1 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%): 0.1 lx

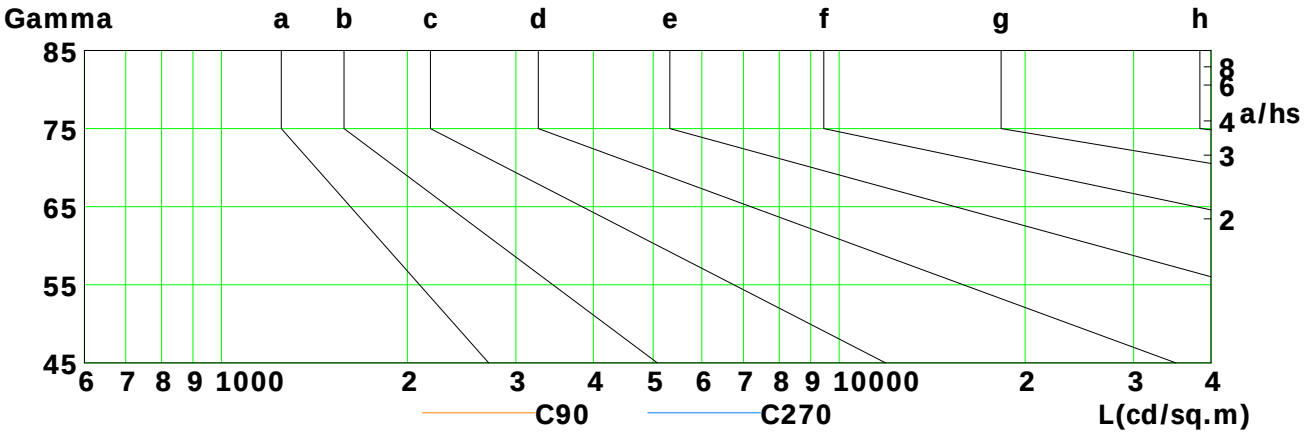
(10%): 0.0 lx	(20%): 0.0 lx
(25%): 0.0 lx	(30%): 0.0 lx
(40%): 0.0 lx	(50%): 0.0 lx
(60%): 0.0 lx	(70%): 0.0 lx
(80%): 0.1 lx	(90%): 0.1 lx

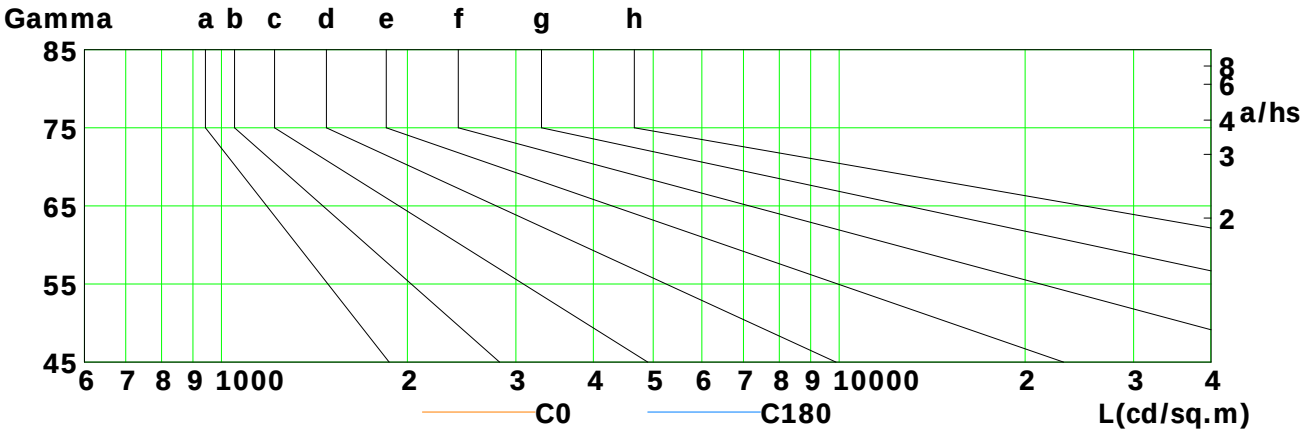
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

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



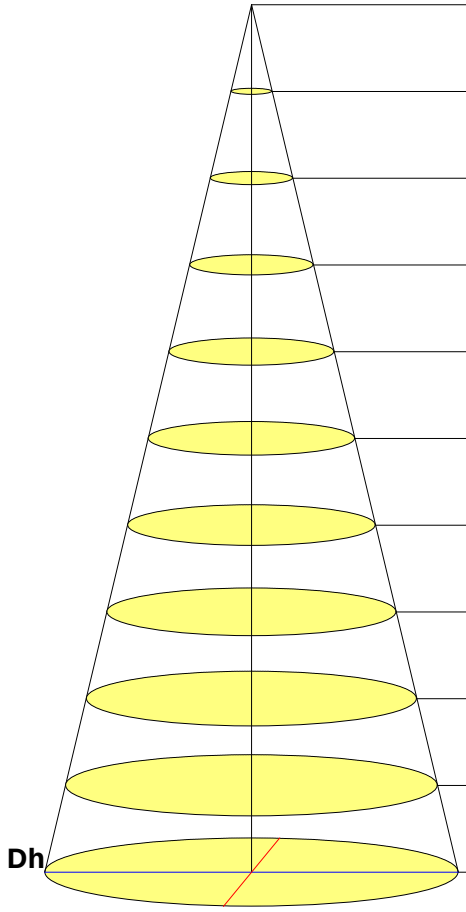


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	74	67	57	50	36	30	19	7	4
C90	108	110	110	90	84	81	58	27	43
C180	67	60	50	36	29	18	10	4	0
C270	90	81	71	64	39	33	28	27	27

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



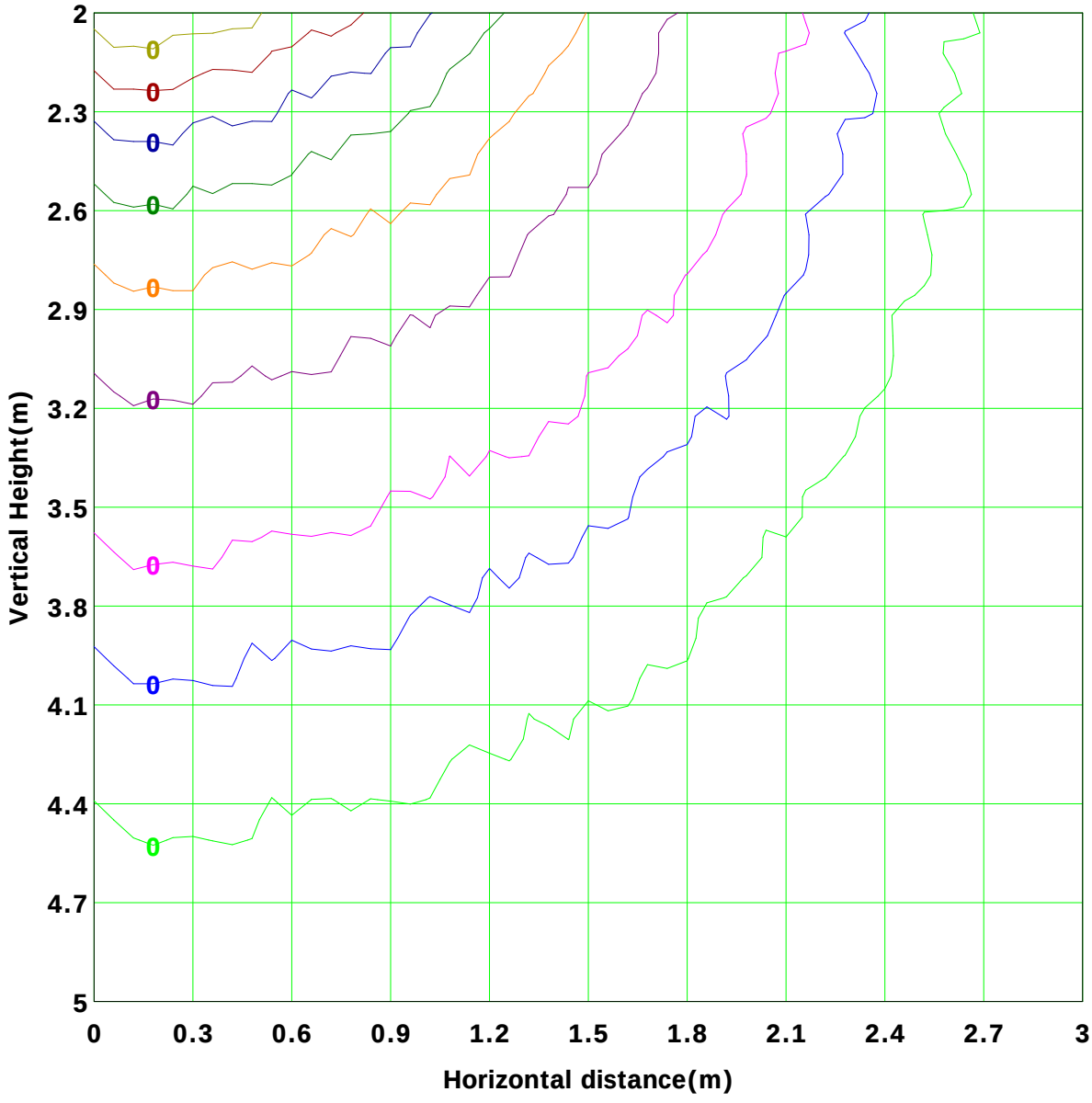
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	1.48	2.63/2.78	6.1	0.28
2.0	0.37	5.25/5.57	24.3	0.07
3.0	0.16	7.88/8.35	54.6	0.03
4.0	0.09	10.51/11.13	97.1	0.02
5.0	0.06	13.13/13.92	151.7	0.01
6.0	0.04	15.76/16.70	218.5	0.01
7.0	0.03	18.39/19.48	297.3	0.01
8.0	0.02	21.02/22.27	388.4	0.00
9.0	0.02	23.64/25.05	491.5	0.00
10.0	0.01	26.27/27.83	606.8	0.00

Beam Angle(B): H105.4 V108.6 Field Angle(F): H149.3 V150.1

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: 0.4 lx

(10%): 0.0 lx	(20%): 0.1 lx
(25%): 0.1 lx	(30%): 0.1 lx
(40%): 0.2 lx	(50%): 0.2 lx
(60%): 0.2 lx	(70%): 0.3 lx
(80%): 0.3 lx	(90%): 0.4 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

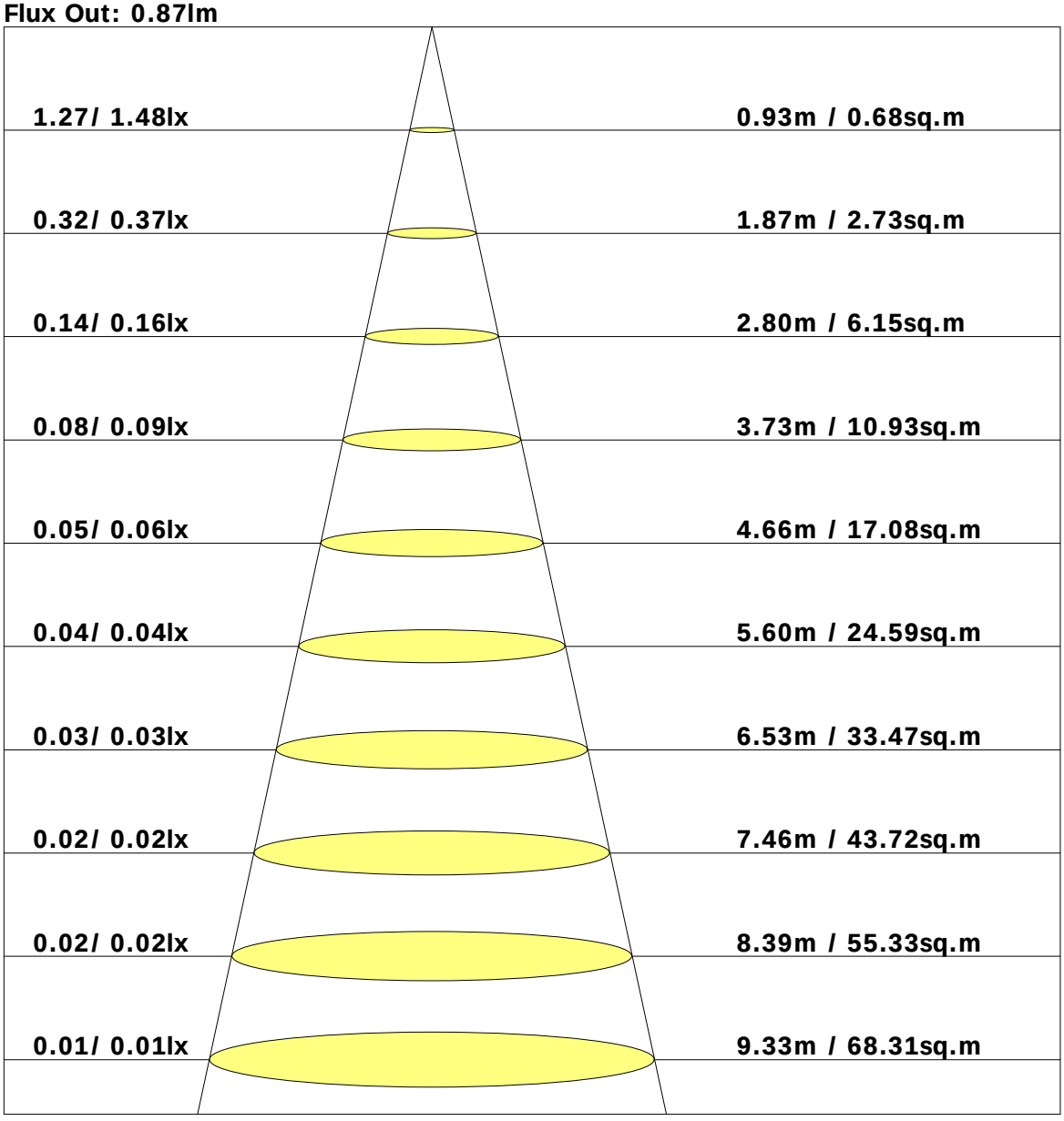
Horizontal plane	Vertical plane																					Flux(E)
	90	80	70	60	50	40	30	20	10	0	-10	-20	-30	-40	-50	-60	-70	-80	-90	Flux(T)	Flux(E)	
-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-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	0.0	0.0	0.0
-60	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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
-50	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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
-40	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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
-30	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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
-20	0.5	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	0.4	0.4	0.4
-10	0.5	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	0.5	0.5	0.5
0	0.5	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	0.5	0.5	0.5
10	0.5	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	0.5	0.5	0.5
20	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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
40	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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
50	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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
60	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	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	0.0	0.0	0.0
90		0.0	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.2	0.1	0.1	0.0	0.0	0.0
Flux(T)	4	0.0	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.2	0.1	0.1	0.0	0.0	0.0
Flux(E)	4	0.0	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.2	0.1	0.1	0.0	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

Flux Out: 0.87lm



Height	Avg./Nadir. E	Beam Angle:50.0°	Diameter / Area
1.0m	1.27/ 1.48lx		0.93m / 0.68sq.m
2.0m	0.32/ 0.37lx		1.87m / 2.73sq.m
3.0m	0.14/ 0.16lx		2.80m / 6.15sq.m
4.0m	0.08/ 0.09lx		3.73m / 10.93sq.m
5.0m	0.05/ 0.06lx		4.66m / 17.08sq.m
6.0m	0.04/ 0.04lx		5.60m / 24.59sq.m
7.0m	0.03/ 0.03lx		6.53m / 33.47sq.m
8.0m	0.02/ 0.02lx		7.46m / 43.72sq.m
9.0m	0.02/ 0.02lx		8.39m / 55.33sq.m
10.0m	0.01/ 0.01lx		9.33m / 68.31sq.m

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	22.2	23.7	22.6	24.1	24.5	22.4	23.9	22.8	24.3	24.7
3H	23.5	24.9	23.9	25.2	25.7	23.5	24.9	23.9	25.3	25.7
4H	23.8	25.1	24.3	25.5	25.9	23.8	25.1	24.3	25.5	26.0
6H	24.0	25.2	24.4	25.6	26.0	24.0	25.2	24.4	25.6	26.0
8H	24.0	25.1	24.5	25.6	26.0	24.0	25.1	24.4	25.5	26.0
12H	24.0	25.1	24.5	25.5	26.0	24.0	25.1	24.5	25.5	26.0
X=4H Y=2H	22.5	23.8	22.9	24.2	24.6	22.8	24.1	23.3	24.5	25.0
3H	23.9	25.0	24.4	25.4	25.9	24.1	25.2	24.6	25.7	26.1
4H	24.3	25.3	24.8	25.8	26.3	24.5	25.5	25.0	26.0	26.5
6H	24.6	25.4	25.1	25.9	26.4	24.7	25.6	25.2	26.1	26.6
8H	24.6	25.3	25.1	25.8	26.4	24.7	25.5	25.2	26.0	26.5
12H	24.6	25.3	25.1	25.8	26.3	24.8	25.5	25.3	26.0	26.5
X=8H Y=4H	24.4	25.2	24.9	25.7	26.2	24.6	25.4	25.1	25.9	26.4
6H	24.6	25.3	25.2	25.8	26.4	24.8	25.5	25.4	26.0	26.6
8H	24.7	25.2	25.2	25.8	26.4	24.8	25.4	25.4	26.0	26.5
12H	24.7	25.2	25.3	25.8	26.4	24.9	25.4	25.5	26.0	26.6
X=12H Y=4H	24.4	25.1	24.9	25.6	26.1	24.6	25.3	25.1	25.8	26.3
6H	24.6	25.2	25.2	25.7	26.3	24.8	25.4	25.4	25.9	26.5
8H	24.7	25.2	25.2	25.7	26.3	24.8	25.4	25.4	25.9	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 = 1.25					
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	0.69	0.76	0.81	0.88	0.93	0.97	1.01	1.04
	0.30		0.51	0.62	0.69	0.75	0.83	0.88	0.92	0.97	1.00
	0.20		0.45	0.56	0.64	0.70	0.78	0.84	0.88	0.94	0.97
0.50	0.50	0.20	0.57	0.67	0.73	0.78	0.85	0.89	0.92	0.96	0.99
	0.30		0.50	0.60	0.67	0.73	0.80	0.85	0.89	0.93	0.96
	0.20		0.45	0.55	0.63	0.68	0.76	0.81	0.85	0.90	0.94
0.30	0.50	0.20	0.55	0.64	0.71	0.76	0.82	0.86	0.89	0.92	0.95
	0.30		0.49	0.59	0.66	0.71	0.78	0.82	0.85	0.90	0.92
	0.20		0.44	0.54	0.62	0.67	0.74	0.79	0.83	0.87	0.90
0.00	0.00	0.00	0.42	0.52	0.59	0.64	0.70	0.75	0.78	0.82	0.85

Rating:1W 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 = 1.25					
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	0.96	0.78	0.66	0.57	0.45	0.37	0.32	0.25	0.20
	0.30		0.80	0.67	0.57	0.51	0.41	0.34	0.30	0.23	0.19
	0.20		0.68	0.58	0.51	0.45	0.37	0.32	0.28	0.22	0.18
0.50	0.50	0.20	0.92	0.74	0.63	0.54	0.43	0.39	0.30	0.23	0.19
	0.30		0.78	0.65	0.55	0.49	0.39	0.33	0.28	0.22	0.18
	0.20		0.67	0.57	0.50	0.44	0.36	0.30	0.26	0.21	0.17
0.30	0.50	0.20	0.88	0.71	0.60	0.52	0.41	0.33	0.28	0.22	0.18
	0.30		0.75	0.63	0.54	0.47	0.38	0.31	0.27	0.21	0.17
	0.20		0.66	0.56	0.48	0.43	0.35	0.29	0.25	0.20	0.17
0.00	0.00	0.00	0.55	0.46	0.39	0.34	0.27	0.22	0.19	0.15	0.12

Rating:1W 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 = 1.25								
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	0.19	0.20	0.21	0.21	0.22	0.23	0.23	0.24	0.24
	0.30		0.12	0.14	0.15	0.16	0.18	0.19	0.20	0.21	0.22
	0.20		0.07	0.09	0.11	0.12	0.14	0.16	0.17	0.19	0.20
0.50	0.50	0.20	0.18	0.19	0.20	0.21	0.21	0.22	0.22	0.23	0.23
	0.30		0.12	0.13	0.15	0.16	0.17	0.18	0.19	0.20	0.21
	0.20		0.07	0.09	0.11	0.12	0.14	0.15	0.16	0.18	0.19
0.30	0.50	0.20	0.18	0.19	0.19	0.20	0.21	0.21	0.22	0.22	0.22
	0.30		0.12	0.13	0.14	0.15	0.17	0.18	0.19	0.20	0.20
	0.20		0.07	0.09	0.10	0.12	0.13	0.15	0.16	0.17	0.19
0.00	0.00	0.00	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03

Rating:1W 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	1.6	0.0	0.0	0.04	0.04
1.0-2.0	1.6	0.0	0.0	0.11	0.14
2.0-3.0	1.6	0.0	0.0	0.18	0.32
3.0-4.0	1.5	0.0	0.0	0.25	0.57
4.0-5.0	1.6	0.0	0.0	0.32	0.89
5.0-6.0	1.6	0.0	0.1	0.39	1.28
6.0-7.0	1.6	0.0	0.1	0.46	1.74
7.0-8.0	1.6	0.0	0.1	0.53	2.26
8.0-9.0	1.5	0.0	0.1	0.59	2.86
9.0-10.0	1.5	0.0	0.1	0.66	3.52
10.0-11.0	1.5	0.0	0.2	0.73	4.25
11.0-12.0	1.5	0.0	0.2	0.79	5.04
12.0-13.0	1.5	0.0	0.2	0.86	5.89
13.0-14.0	1.5	0.0	0.3	0.92	6.82
14.0-15.0	1.5	0.0	0.3	0.98	7.80
15.0-16.0	1.5	0.0	0.4	1.04	8.84
16.0-17.0	1.5	0.0	0.4	1.10	9.94
17.0-18.0	1.5	0.0	0.5	1.16	11.11
18.0-19.0	1.5	0.1	0.5	1.21	12.32
19.0-20.0	1.4	0.1	0.6	1.26	13.58
20.0-21.0	1.4	0.1	0.6	1.32	14.90
21.0-22.0	1.4	0.1	0.7	1.38	16.28
22.0-23.0	1.4	0.1	0.7	1.42	17.70
23.0-24.0	1.4	0.1	0.8	1.47	19.18
24.0-25.0	1.4	0.1	0.9	1.52	20.70
25.0-26.0	1.4	0.1	0.9	1.56	22.26
26.0-27.0	1.4	0.1	1.0	1.61	23.86
27.0-28.0	1.4	0.1	1.1	1.65	25.51
28.0-29.0	1.3	0.1	1.1	1.68	27.20
29.0-30.0	1.3	0.1	1.2	1.70	28.90
30.0-31.0	1.3	0.1	1.3	1.73	30.63
31.0-32.0	1.3	0.1	1.4	1.75	32.39
32.0-33.0	1.3	0.1	1.4	1.77	34.16
33.0-34.0	1.2	0.1	1.5	1.80	35.96
34.0-35.0	1.2	0.1	1.6	1.82	37.77
35.0-36.0	1.2	0.1	1.7	1.83	39.60

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 1)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	1.2	0.1	1.7	1.85	41.45
37.0-38.0	1.2	0.1	1.8	1.87	43.32
38.0-39.0	1.2	0.1	1.9	1.88	45.20
39.0-40.0	1.1	0.1	2.0	1.89	47.09
40.0-41.0	1.1	0.1	2.1	1.89	48.97
41.0-42.0	1.1	0.1	2.1	1.88	50.86
42.0-43.0	1.1	0.1	2.2	1.86	52.72
43.0-44.0	1.0	0.1	2.3	1.84	54.56
44.0-45.0	1.0	0.1	2.4	1.85	56.41
45.0-46.0	1.0	0.1	2.4	1.86	58.27
46.0-47.0	1.0	0.1	2.5	1.85	60.12
47.0-48.0	0.9	0.1	2.6	1.81	61.94
48.0-49.0	0.9	0.1	2.7	1.79	63.73
49.0-50.0	0.9	0.1	2.7	1.78	65.51
50.0-51.0	0.9	0.1	2.8	1.77	67.28
51.0-52.0	0.9	0.1	2.9	1.74	69.02
52.0-53.0	0.8	0.1	3.0	1.69	70.71
53.0-54.0	0.8	0.1	3.0	1.65	72.36
54.0-55.0	0.8	0.1	3.1	1.60	73.96
55.0-56.0	0.7	0.1	3.2	1.58	75.54
56.0-57.0	0.7	0.1	3.2	1.56	77.10
57.0-58.0	0.7	0.1	3.3	1.50	78.59
58.0-59.0	0.6	0.1	3.4	1.43	80.02
59.0-60.0	0.6	0.1	3.4	1.34	81.37
60.0-61.0	0.6	0.1	3.5	1.30	82.67
61.0-62.0	0.6	0.1	3.5	1.28	83.95
62.0-63.0	0.5	0.1	3.6	1.19	85.15
63.0-64.0	0.5	0.0	3.6	1.13	86.28
64.0-65.0	0.5	0.0	3.7	1.06	87.34
65.0-66.0	0.4	0.0	3.7	0.99	88.33
66.0-67.0	0.4	0.0	3.7	0.92	89.25
67.0-68.0	0.4	0.0	3.8	0.86	90.12
68.0-69.0	0.3	0.0	3.8	0.81	90.93
69.0-70.0	0.3	0.0	3.8	0.76	91.69
70.0-71.0	0.3	0.0	3.9	0.69	92.38
71.0-72.0	0.2	0.0	3.9	0.61	92.99

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 [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	0.2	0.0	3.9	0.53	93.52
73.0-74.0	0.2	0.0	3.9	0.48	94.00
74.0-75.0	0.2	0.0	4.0	0.47	94.46
75.0-76.0	0.2	0.0	4.0	0.40	94.87
76.0-77.0	0.1	0.0	4.0	0.34	95.20
77.0-78.0	0.1	0.0	4.0	0.32	95.52
78.0-79.0	0.1	0.0	4.0	0.27	95.79
79.0-80.0	0.1	0.0	4.0	0.21	96.00
80.0-81.0	0.1	0.0	4.0	0.18	96.19
81.0-82.0	0.1	0.0	4.0	0.16	96.34
82.0-83.0	0.1	0.0	4.0	0.14	96.48
83.0-84.0	0.1	0.0	4.1	0.14	96.62
84.0-85.0	0.0	0.0	4.1	0.13	96.75
85.0-86.0	0.0	0.0	4.1	0.12	96.87
86.0-87.0	0.0	0.0	4.1	0.11	96.98
87.0-88.0	0.0	0.0	4.1	0.06	97.04
88.0-89.0	0.0	0.0	4.1	0.04	97.08
89.0-90.0	0.0	0.0	4.1	0.04	97.12
90.0-91.0	0.0	0.0	4.1	0.07	97.19
91.0-92.0	0.0	0.0	4.1	0.09	97.28
92.0-93.0	0.0	0.0	4.1	0.06	97.34
93.0-94.0	0.0	0.0	4.1	0.04	97.38
94.0-95.0	0.0	0.0	4.1	0.03	97.41
95.0-96.0	0.0	0.0	4.1	0.04	97.45
96.0-97.0	0.0	0.0	4.1	0.05	97.50
97.0-98.0	0.0	0.0	4.1	0.05	97.55
98.0-99.0	0.0	0.0	4.1	0.05	97.60
99.0-100.0	0.0	0.0	4.1	0.05	97.64
100.0-101.0	0.0	0.0	4.1	0.08	97.72
101.0-102.0	0.0	0.0	4.1	0.07	97.79
102.0-103.0	0.0	0.0	4.1	0.05	97.84
103.0-104.0	0.0	0.0	4.1	0.06	97.89
104.0-105.0	0.0	0.0	4.1	0.07	97.97
105.0-106.0	0.0	0.0	4.1	0.06	98.03
106.0-107.0	0.0	0.0	4.1	0.06	98.08
107.0-108.0	0.0	0.0	4.1	0.06	98.14

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	0.0	0.0	4.1	0.06	98.20
109.0-110.0	0.0	0.0	4.1	0.05	98.25
110.0-111.0	0.0	0.0	4.1	0.04	98.29
111.0-112.0	0.0	0.0	4.1	0.04	98.33
112.0-113.0	0.0	0.0	4.1	0.05	98.38
113.0-114.0	0.0	0.0	4.1	0.05	98.43
114.0-115.0	0.0	0.0	4.1	0.05	98.48
115.0-116.0	0.0	0.0	4.1	0.04	98.52
116.0-117.0	0.0	0.0	4.1	0.04	98.56
117.0-118.0	0.0	0.0	4.1	0.04	98.60
118.0-119.0	0.0	0.0	4.1	0.06	98.66
119.0-120.0	0.0	0.0	4.1	0.05	98.72
120.0-121.0	0.0	0.0	4.1	0.03	98.75
121.0-122.0	0.0	0.0	4.1	0.04	98.79
122.0-123.0	0.0	0.0	4.1	0.05	98.84
123.0-124.0	0.0	0.0	4.1	0.03	98.86
124.0-125.0	0.0	0.0	4.1	0.03	98.89
125.0-126.0	0.0	0.0	4.1	0.03	98.92
126.0-127.0	0.0	0.0	4.2	0.03	98.95
127.0-128.0	0.0	0.0	4.2	0.04	98.99
128.0-129.0	0.0	0.0	4.2	0.03	99.02
129.0-130.0	0.0	0.0	4.2	0.04	99.05
130.0-131.0	0.0	0.0	4.2	0.03	99.08
131.0-132.0	0.0	0.0	4.2	0.02	99.11
132.0-133.0	0.0	0.0	4.2	0.03	99.14
133.0-134.0	0.0	0.0	4.2	0.03	99.17
134.0-135.0	0.0	0.0	4.2	0.03	99.20
135.0-136.0	0.0	0.0	4.2	0.03	99.23
136.0-137.0	0.0	0.0	4.2	0.04	99.27
137.0-138.0	0.0	0.0	4.2	0.04	99.31
138.0-139.0	0.0	0.0	4.2	0.03	99.34
139.0-140.0	0.0	0.0	4.2	0.04	99.38
140.0-141.0	0.0	0.0	4.2	0.03	99.41
141.0-142.0	0.0	0.0	4.2	0.03	99.44
142.0-143.0	0.0	0.0	4.2	0.03	99.47
143.0-144.0	0.0	0.0	4.2	0.03	99.51

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	0.0	0.0	4.2	0.04	99.54
145.0-146.0	0.0	0.0	4.2	0.04	99.58
146.0-147.0	0.0	0.0	4.2	0.03	99.61
147.0-148.0	0.0	0.0	4.2	0.02	99.64
148.0-149.0	0.0	0.0	4.2	0.02	99.66
149.0-150.0	0.0	0.0	4.2	0.02	99.68
150.0-151.0	0.0	0.0	4.2	0.02	99.69
151.0-152.0	0.0	0.0	4.2	0.02	99.72
152.0-153.0	0.0	0.0	4.2	0.02	99.74
153.0-154.0	0.0	0.0	4.2	0.02	99.75
154.0-155.0	0.0	0.0	4.2	0.01	99.76
155.0-156.0	0.0	0.0	4.2	0.01	99.77
156.0-157.0	0.0	0.0	4.2	0.02	99.79
157.0-158.0	0.0	0.0	4.2	0.02	99.81
158.0-159.0	0.0	0.0	4.2	0.02	99.83
159.0-160.0	0.0	0.0	4.2	0.02	99.85
160.0-161.0	0.0	0.0	4.2	0.01	99.86
161.0-162.0	0.0	0.0	4.2	0.01	99.87
162.0-163.0	0.0	0.0	4.2	0.02	99.89
163.0-164.0	0.0	0.0	4.2	0.01	99.90
164.0-165.0	0.0	0.0	4.2	0.01	99.91
165.0-166.0	0.0	0.0	4.2	0.01	99.92
166.0-167.0	0.0	0.0	4.2	0.01	99.93
167.0-168.0	0.0	0.0	4.2	0.01	99.94
168.0-169.0	0.0	0.0	4.2	0.01	99.95
169.0-170.0	0.0	0.0	4.2	0.01	99.96
170.0-171.0	0.0	0.0	4.2	0.01	99.96
171.0-172.0	0.0	0.0	4.2	0.01	99.97
172.0-173.0	0.0	0.0	4.2	0.01	99.98
173.0-174.0	0.0	0.0	4.2	0.01	99.98
174.0-175.0	0.0	0.0	4.2	0.01	99.99
175.0-176.0	0.0	0.0	4.2	0.00	99.99
176.0-177.0	0.0	0.0	4.2	0.00	100.00
177.0-178.0	0.0	0.0	4.2	0.00	100.00
178.0-179.0	0.0	0.0	4.2	0.00	100.00
179.0-180.0	0.0	0.0	4.2	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: