GENLED Brands
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Fax:

Report No.: **Test Time: 2023/2/21 17:14**

Luminaire Property

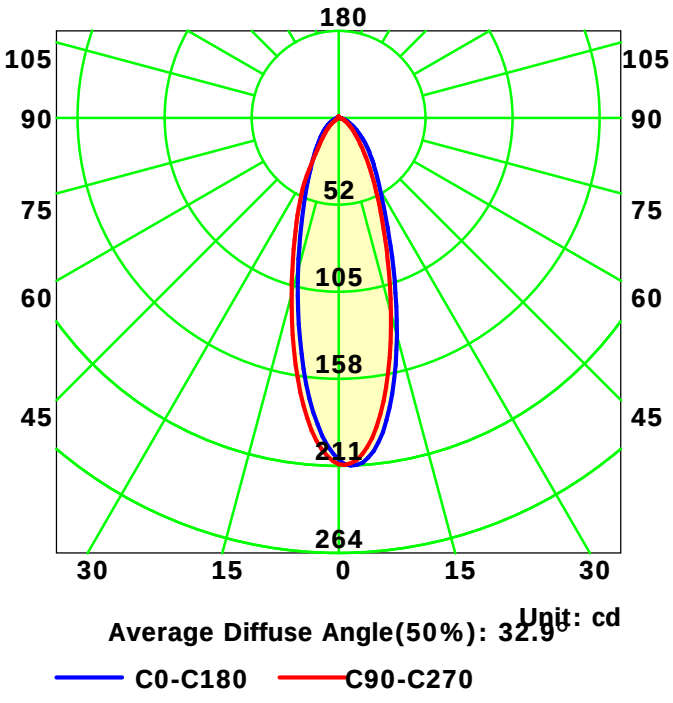
Luminaire Manufacturer:
Luminaire Category: 大炮
Luminaire Description: HD30°+3M
Lamp Catalog: B
Luminous Length (mm): 270
Luminous Width (mm): 70
Luminous Height (mm): 20
Voltage: 219.2 V
Current: 0.106 A
Power: 9.57 W
Power Factor: 0.412

Photometric Results

CIE Class: Direct
Total Rated Lamp Lumens: 122.7 lm
Measurement Flux: 122.7 lm
Efficiency: 100%
Downward Ratio: 98%
Upward Ratio: 2%
Horizontal Diffuse Angle(10%,50%): H85.8,H32.8
Vertical Diffuse Angle(10%,50%): V74.6,V33
Luminaire Efficacy Rating (LER): 13
Central Intensity: 208.09 cd
Max. Intensity: 211.89 cd
Pos of Max. Intensity: H150 V0

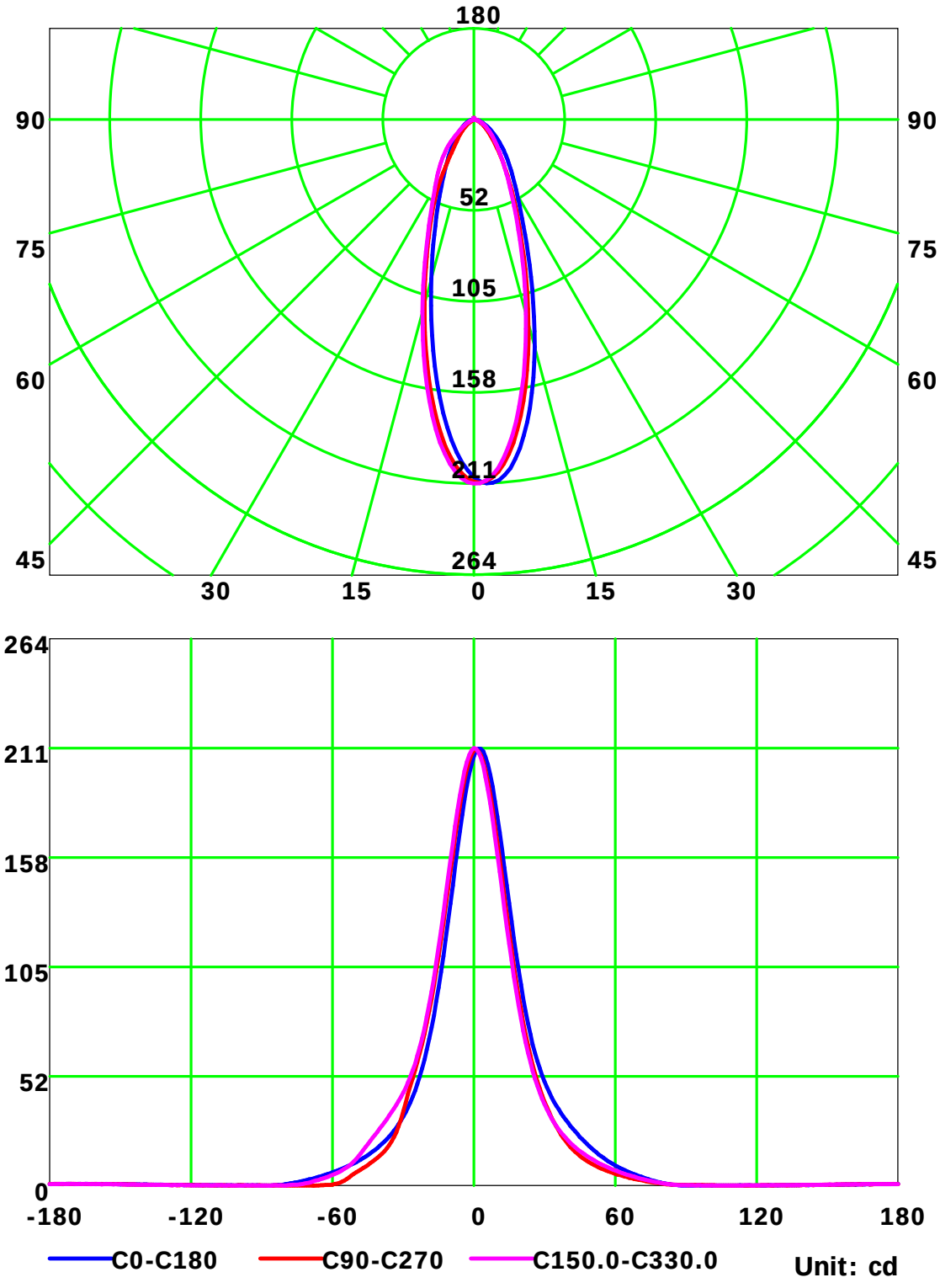
Picture Of Luminaire

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
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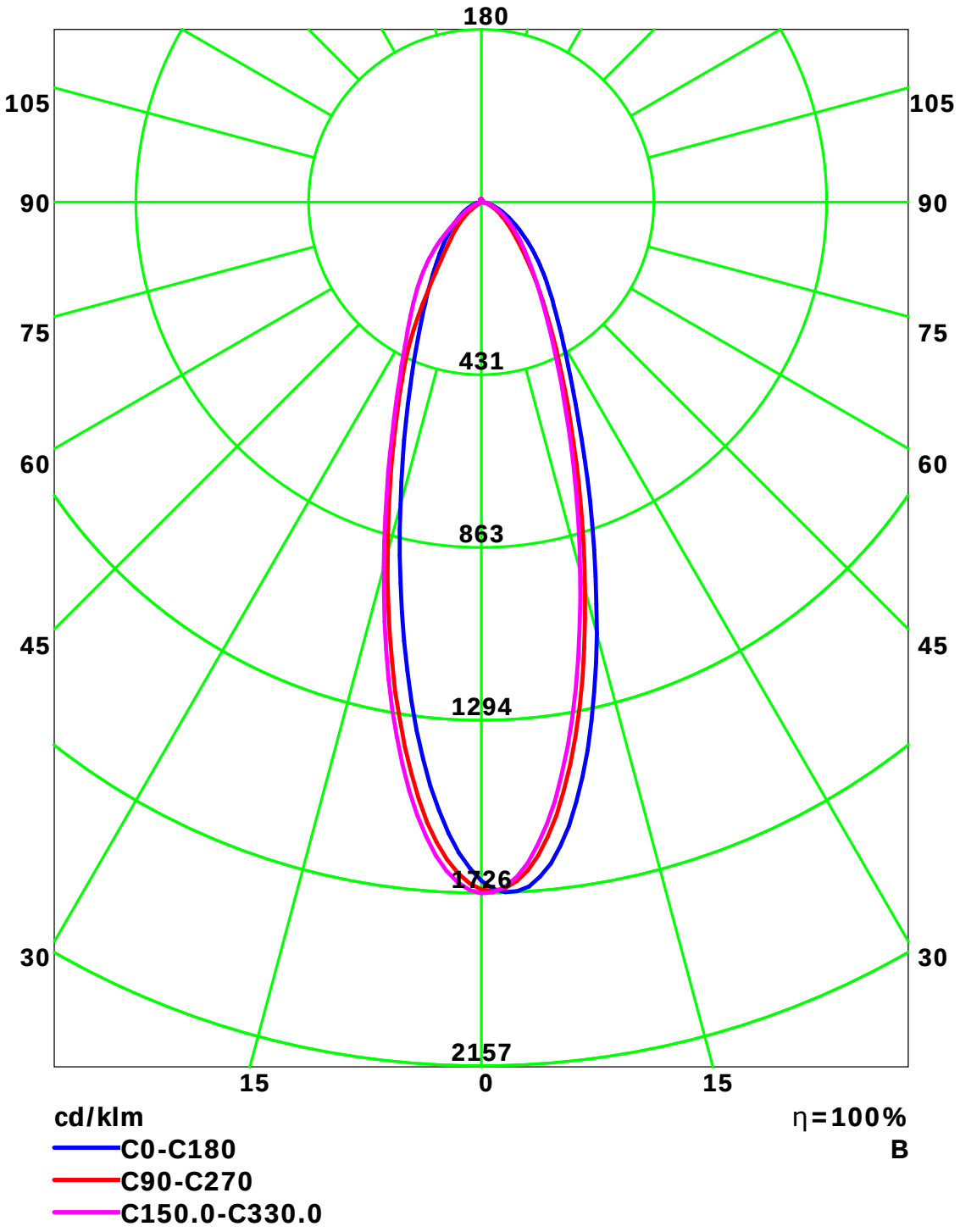
Temperature: 25
Operator: Jacky

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
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Test Type: TYPE C
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Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
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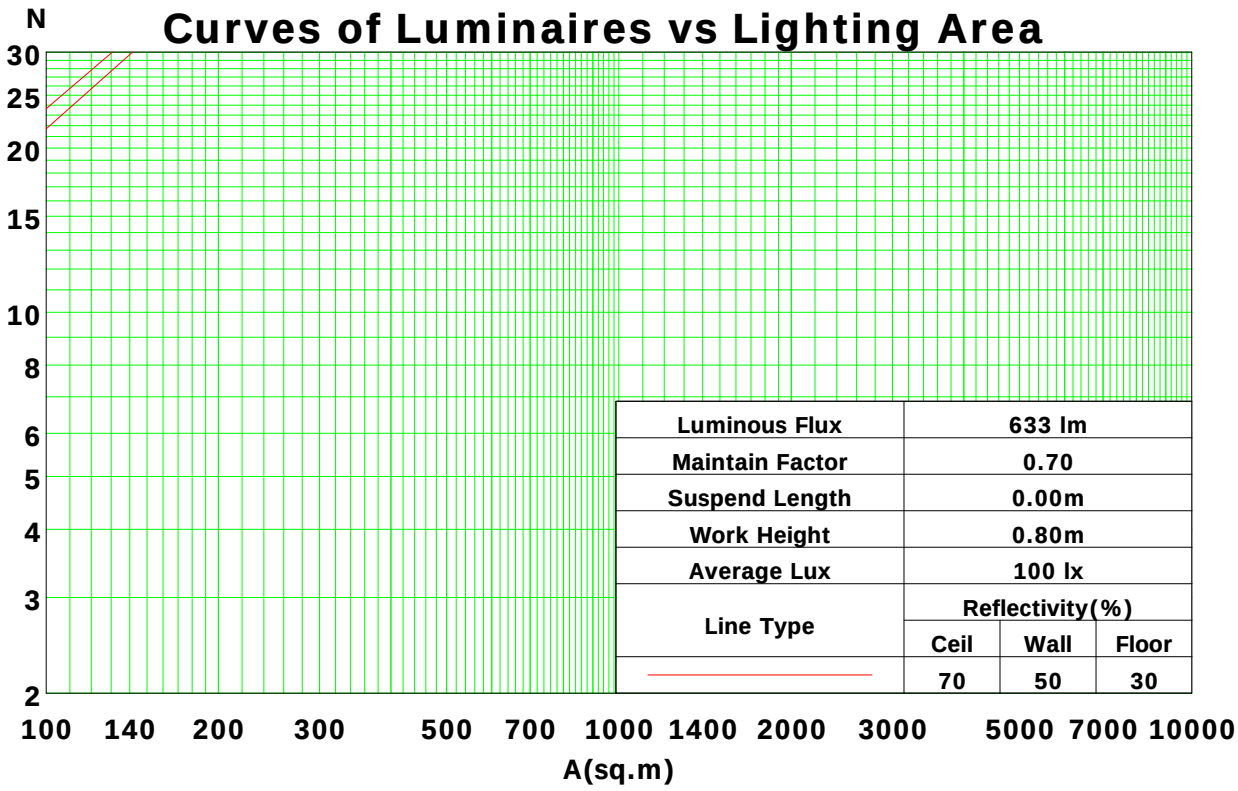
Coefficients Of Utilization - Zonal Cavity Method

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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98
1	112	109	106	104	109	107	104	102	102	100	98	98	97	95	94	93	92	90
2	106	100	96	92	103	98	94	91	95	91	88	91	89	86	88	86	84	82
3	100	93	87	83	98	91	86	82	88	84	80	85	82	79	83	80	77	76
4	94	86	80	75	92	85	79	75	82	77	74	80	76	73	78	74	71	70
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	73	69	66	65
6	85	75	69	64	83	74	68	64	72	67	63	71	66	63	69	65	62	60
7	80	71	64	60	79	70	64	59	68	63	59	67	62	59	66	61	58	57
8	77	67	60	56	75	66	60	56	65	59	55	63	59	55	62	58	55	53
9	73	63	57	53	72	62	57	52	61	56	52	60	55	52	59	55	52	50
10	70	60	54	50	69	59	53	50	58	53	49	57	53	49	56	52	49	48

Spacing Criteria (0-180): 0.54
Spacing Criteria (90-270): 0.54
Spacing Criteria (Diagonal): 0.60

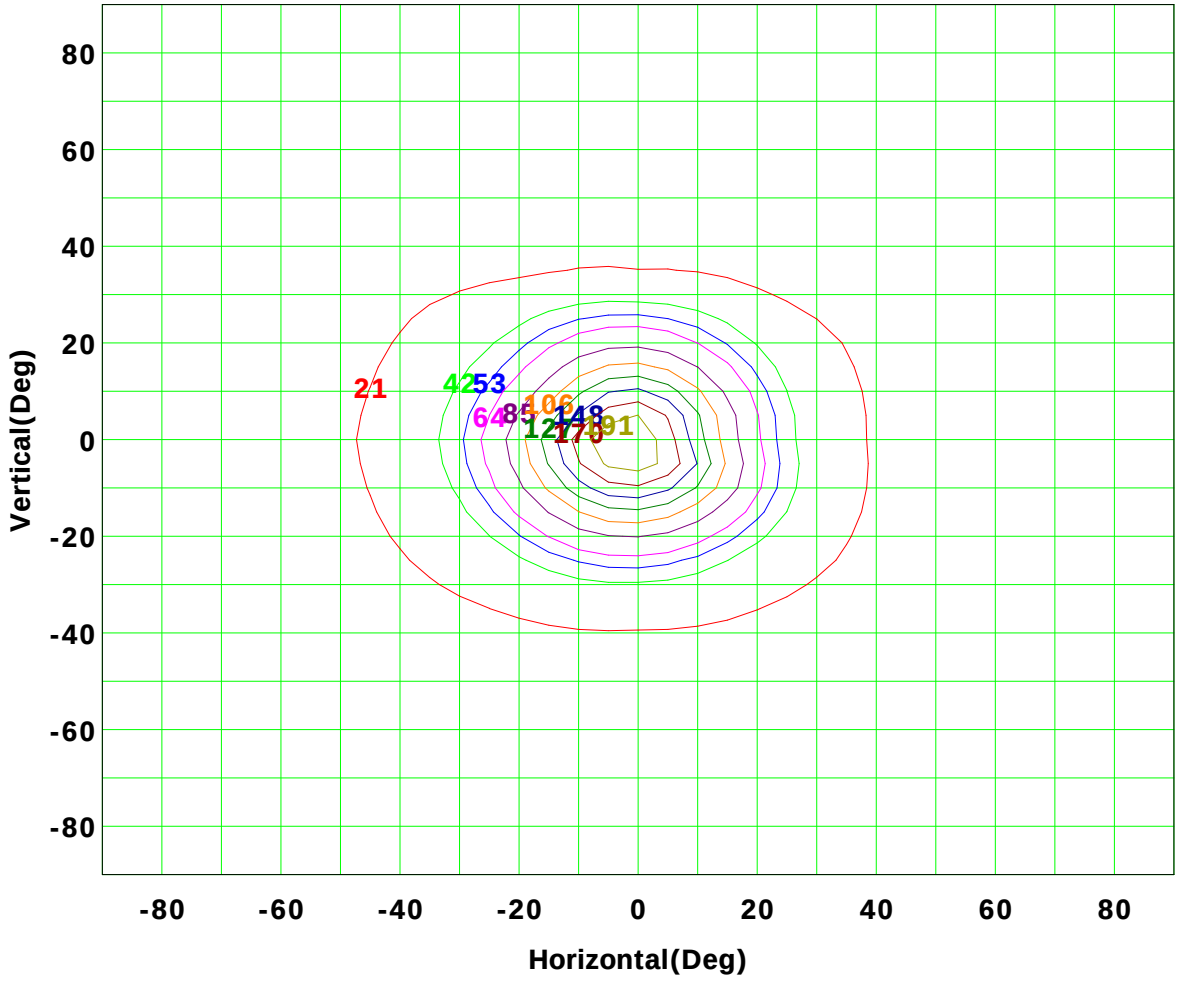
Curves of Luminaires vs Lighting Area



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)



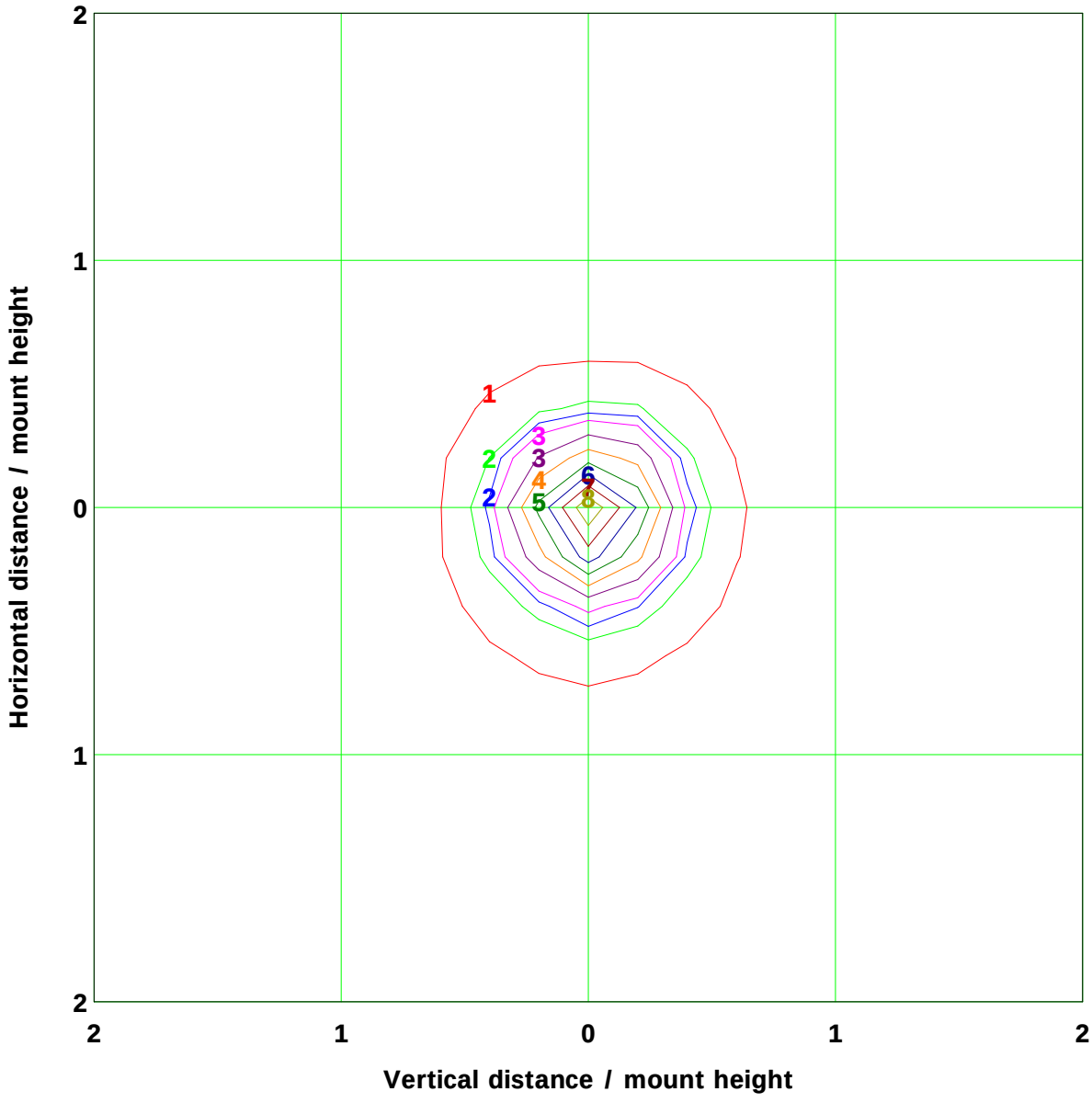
Imax (100%): 212 cd

(10%):	21 cd	(20%):	42 cd
(25%):	53 cd	(30%):	64 cd
(40%):	85 cd	(50%):	106 cd
(60%):	127 cd	(70%):	148 cd
(80%):	170 cd	(90%):	191 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%): 8.5 lx

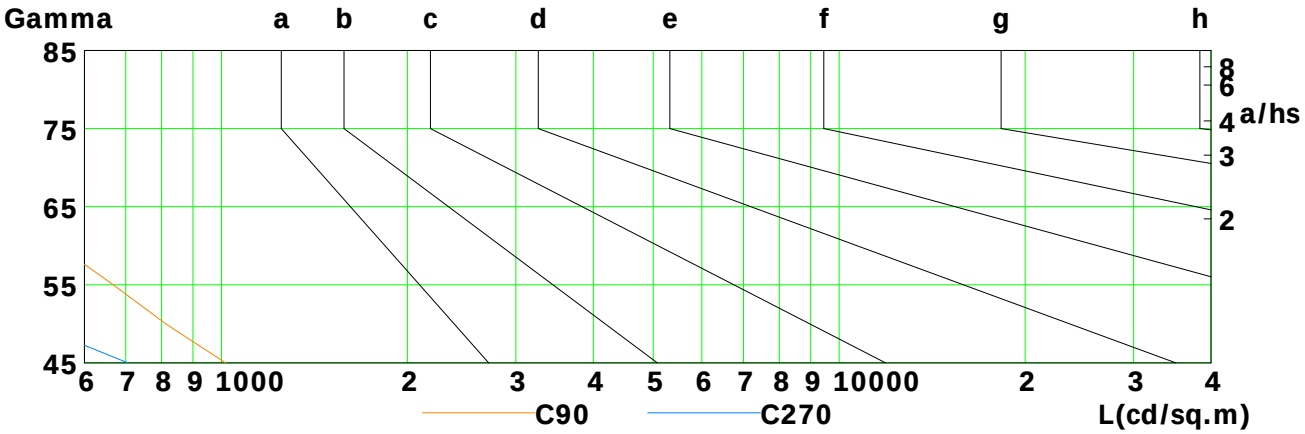
(10%): 0.8 lx	(20%): 1.7 lx
(25%): 2.1 lx	(30%): 2.5 lx
(40%): 3.4 lx	(50%): 4.2 lx
(60%): 5.1 lx	(70%): 5.9 lx
(80%): 6.8 lx	(90%): 7.6 lx

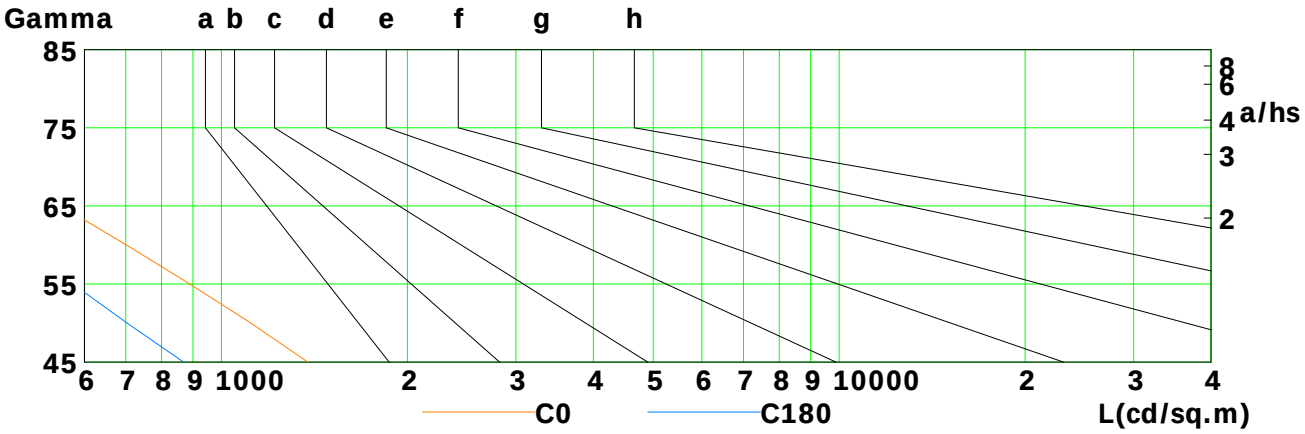
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

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



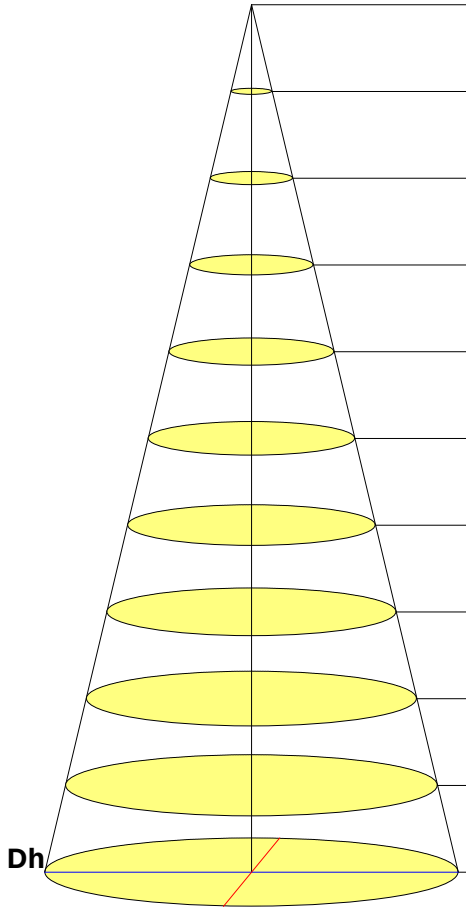


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	1380	1116	889	702	550	413	284	160	63
C90	1016	813	668	545	466	384	299	225	201
C180	869	704	575	469	364	272	177	99	44
C270	706	494	215	61	37	19	35	28	56

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



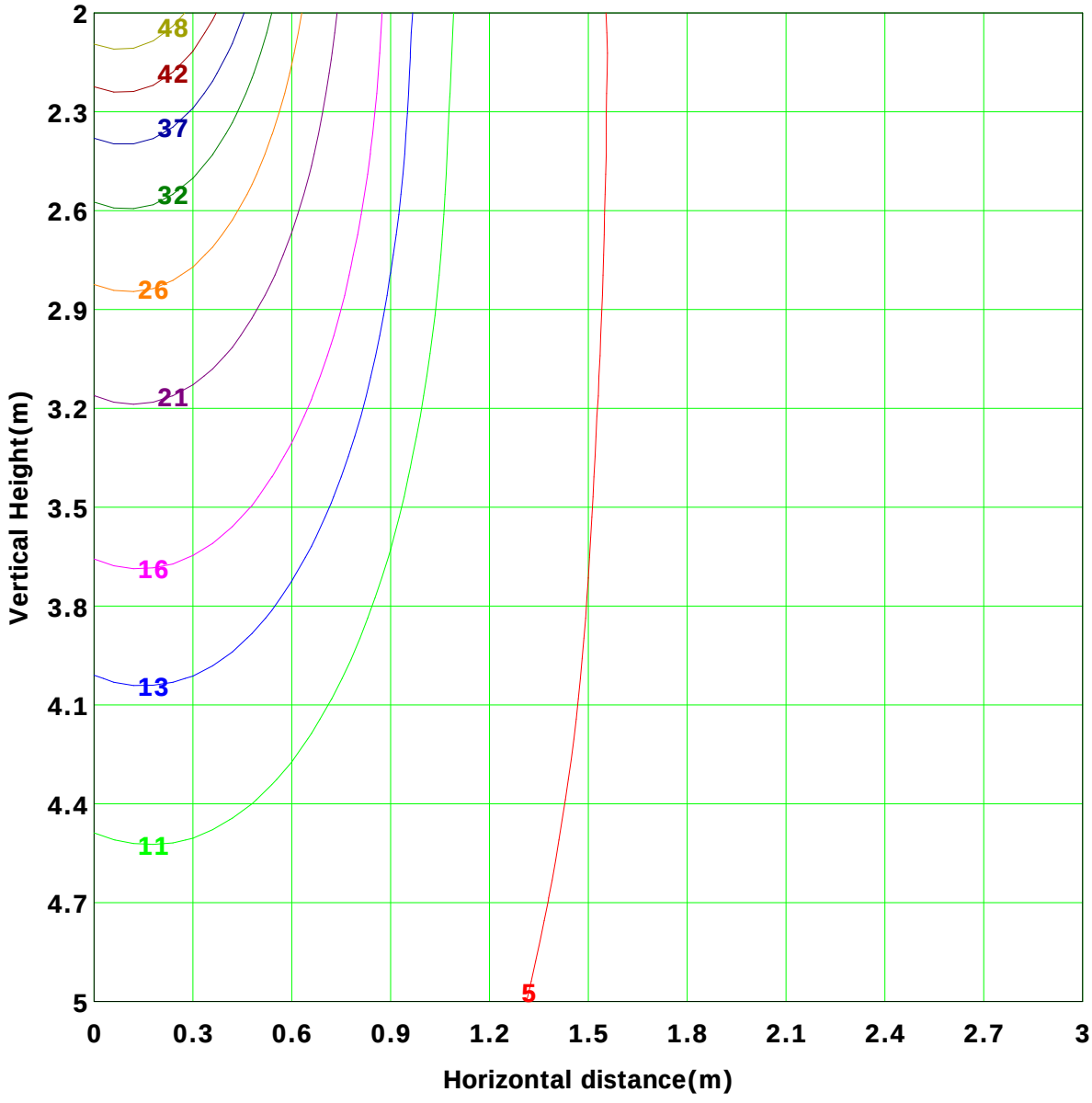
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	208.09	0.59/0.59	0.3	109.77
2.0	52.02	1.18/1.18	1.1	27.44
3.0	23.12	1.76/1.77	2.5	12.20
4.0	13.01	2.35/2.37	4.4	6.86
5.0	8.32	2.94/2.96	6.9	4.39
6.0	5.78	3.53/3.55	9.9	3.05
7.0	4.25	4.12/4.14	13.5	2.24
8.0	3.25	4.71/4.73	17.6	1.72
9.0	2.57	5.29/5.32	22.3	1.36
10.0	2.08	5.88/5.92	27.6	1.10

Beam Angle(B): H32.8 V33.0 Field Angle(F): H85.8 V74.6

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: 52.8 lx

(10%): 5.3 lx	(20%): 10.6 lx
(25%): 13.2 lx	(30%): 15.8 lx
(40%): 21.1 lx	(50%): 26.4 lx
(60%): 31.7 lx	(70%): 37.0 lx
(80%): 42.2 lx	(90%): 47.5 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:

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Area Flux Table

Unit: lm

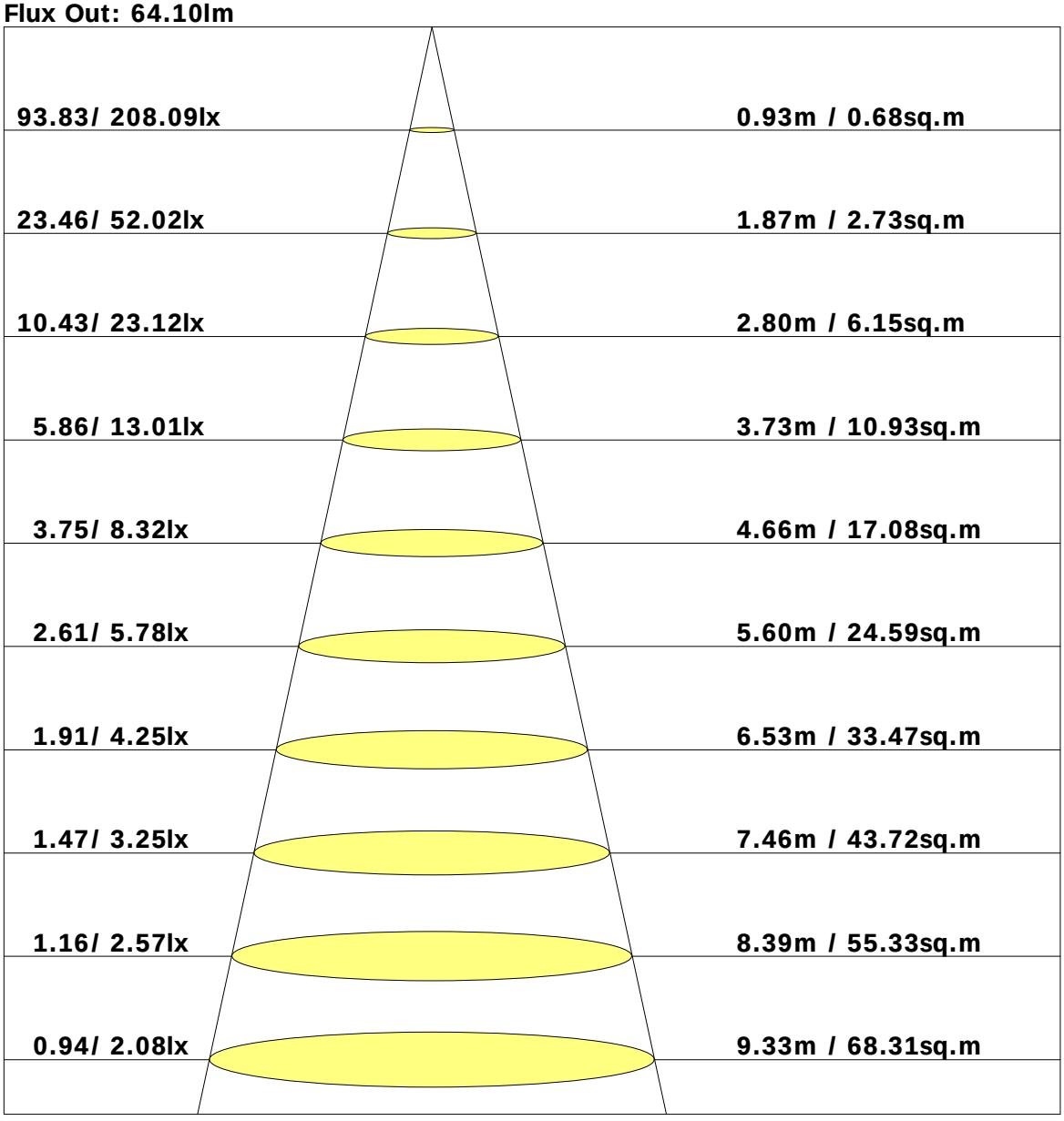
Vertical plane \ Horizontal plane	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	Flux(T)	Flux(E)
-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
-80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
-70	0.0	0.0	0.0	0.0	0.0	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	0.2	0.0
-60	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.8	0.0
-50	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.0	0.0	0.0	2.3	0.0
-40	0.0	0.0	0.0	0.1	0.2	0.3	0.4	0.6	0.7	0.7	0.6	0.5	0.4	0.2	0.1	0.0	0.0	0.0	4.7	1.6
-30	0.0	0.0	0.0	0.1	0.2	0.4	0.7	1.2	1.6	1.7	1.4	0.9	0.6	0.3	0.1	0.1	0.0	0.0	9.4	7.9
-20	0.0	0.0	0.1	0.1	0.3	0.6	1.1	2.0	3.1	3.3	2.3	1.3	0.8	0.4	0.2	0.1	0.0	0.0	15.6	14.4
-10	0.0	0.0	0.1	0.2	0.3	0.6	1.3	2.7	4.9	5.3	3.5	1.8	0.9	0.5	0.2	0.1	0.0	0.0	22.5	21.3
0	0.0	0.0	0.1	0.2	0.3	0.7	1.3	3.0	5.3	5.7	3.7	1.8	0.9	0.5	0.2	0.1	0.0	0.0	24.0	22.8
10	0.0	0.0	0.1	0.2	0.3	0.6	1.2	2.2	3.4	3.6	2.5	1.4	0.8	0.4	0.2	0.1	0.0	0.0	17.1	15.9
20	0.0	0.0	0.1	0.1	0.3	0.5	0.8	1.3	1.7	1.8	1.4	1.0	0.6	0.3	0.2	0.1	0.0	0.0	10.2	8.6
30	0.0	0.0	0.0	0.1	0.2	0.4	0.5	0.7	0.9	0.9	0.8	0.6	0.4	0.3	0.1	0.1	0.0	0.0	6.0	3.4
40	0.0	0.0	0.0	0.1	0.2	0.2	0.3	0.4	0.4	0.5	0.4	0.3	0.3	0.2	0.1	0.0	0.0	0.0	3.5	0.0
50	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	2.1	0.0
60	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	0.0	0.0	0.0	0.0	1.1	0.0
70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	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	0.2	0.0
Flux(T)	0.0	0.1	0.5	1.3	2.7	4.8	8.3	14.8	22.9	24.3	17.4	10.4	6.3	3.5	1.8	0.7	0.2	0.0	120	
Flux(E)	0.0	0.0	0.0	0.0	0.0	2.2	6.5	13.1	21.3	22.7	15.8	8.7	4.5	1.1	0.0	0.0	0.0	0.0		96

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: 64.10lm



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	16.3	17.4	16.7	17.8	18.2	13.7	14.9	14.1	15.2	15.6
3H	17.4	18.4	17.8	18.8	19.2	14.6	15.6	15.0	16.0	16.4
4H	17.7	18.6	18.1	19.0	19.5	14.9	15.8	15.3	16.2	16.6
6H	17.8	18.7	18.3	19.1	19.6	15.0	15.8	15.4	16.2	16.7
8H	17.8	18.7	18.3	19.1	19.5	15.0	15.8	15.4	16.2	16.7
12H	17.8	18.6	18.3	19.0	19.5	15.0	15.7	15.4	16.2	16.7
X=4H Y=2H	16.3	17.2	16.7	17.6	18.0	14.2	15.2	14.7	15.6	16.0
3H	17.4	18.2	17.9	18.7	19.1	15.3	16.0	15.7	16.5	16.9
4H	17.8	18.5	18.3	19.0	19.4	15.6	16.3	16.0	16.7	17.2
6H	18.0	18.6	18.5	19.1	19.6	15.7	16.3	16.2	16.8	17.3
8H	18.0	18.6	18.5	19.1	19.6	15.7	16.3	16.3	16.8	17.3
12H	18.0	18.5	18.6	19.0	19.6	15.8	16.2	16.3	16.8	17.3
X=8H Y=4H	17.7	18.3	18.2	18.8	19.3	15.7	16.3	16.2	16.7	17.3
6H	17.9	18.4	18.5	18.9	19.5	15.9	16.4	16.5	16.9	17.4
8H	18.0	18.4	18.6	18.9	19.5	16.0	16.4	16.5	16.9	17.5
12H	18.0	18.4	18.6	18.9	19.5	16.0	16.4	16.6	16.9	17.5
X=12H Y=4H	17.7	18.2	18.2	18.7	19.2	15.7	16.2	16.2	16.7	17.2
6H	17.9	18.3	18.5	18.8	19.4	15.9	16.3	16.5	16.8	17.4
8H	18.0	18.3	18.5	18.8	19.5	16.0	16.3	16.5	16.9	17.5

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 = 0.75				
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	0.78	0.85	0.90	0.94	0.99	1.02	1.04	1.07	1.09
	0.30		0.73	0.80	0.85	0.89	0.95	0.98	1.01	1.04	1.07
	0.20		0.69	0.76	0.82	0.86	0.91	0.95	0.98	1.02	1.05
0.50	0.50	0.20	0.76	0.83	0.88	0.91	0.96	0.99	1.00	1.03	1.05
	0.30		0.72	0.79	0.84	0.87	0.92	0.96	0.98	1.01	1.03
	0.20		0.68	0.75	0.80	0.84	0.89	0.93	0.96	0.99	1.01
0.30	0.50	0.20	0.75	0.81	0.86	0.89	0.93	0.95	0.97	0.99	1.00
	0.30		0.71	0.78	0.82	0.86	0.90	0.93	0.95	0.97	0.99
	0.20		0.68	0.75	0.79	0.83	0.88	0.91	0.93	0.96	0.98
0.00	0.00	0.00	0.66	0.72	0.77	0.80	0.84	0.87	0.89	0.91	0.93

Rating:10W 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 = 0.75								
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	0.68	0.55	0.47	0.40	0.32	0.26	0.22	0.17	0.14
	0.30		0.57	0.47	0.41	0.36	0.29	0.24	0.21	0.16	0.13
	0.20		0.49	0.41	0.36	0.32	0.26	0.22	0.19	0.15	0.13
0.50	0.50	0.20	0.65	0.52	0.44	0.38	0.30	0.28	0.21	0.16	0.13
	0.30		0.55	0.45	0.39	0.34	0.27	0.22	0.19	0.15	0.12
	0.20		0.48	0.40	0.35	0.31	0.25	0.21	0.18	0.14	0.12
0.30	0.50	0.20	0.62	0.49	0.41	0.35	0.28	0.23	0.19	0.15	0.12
	0.30		0.53	0.44	0.37	0.32	0.25	0.21	0.18	0.14	0.11
	0.20		0.46	0.39	0.33	0.29	0.24	0.20	0.17	0.13	0.11
0.00	0.00	0.00	0.33	0.27	0.22	0.19	0.15	0.12	0.10	0.08	0.06

Rating:10W 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 = 0.75								
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	0.16	0.17	0.18	0.19	0.20	0.21	0.22	0.23	0.23
	0.30		0.11	0.13	0.14	0.15	0.17	0.18	0.19	0.21	0.21
	0.20		0.08	0.10	0.11	0.13	0.15	0.16	0.17	0.19	0.20
0.50	0.50	0.20	0.15	0.17	0.18	0.18	0.20	0.20	0.21	0.22	0.22
	0.30		0.11	0.13	0.14	0.15	0.17	0.18	0.19	0.20	0.21
	0.20		0.08	0.09	0.11	0.12	0.14	0.16	0.17	0.18	0.19
0.30	0.50	0.20	0.15	0.16	0.17	0.18	0.19	0.20	0.20	0.21	0.21
	0.30		0.11	0.12	0.14	0.15	0.16	0.17	0.18	0.19	0.20
	0.20		0.08	0.09	0.11	0.12	0.14	0.15	0.16	0.18	0.19
0.00	0.00	0.00	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02

Rating:10W 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	209.8	0.2	0.2	0.16	0.16
1.0-2.0	208.5	0.6	0.8	0.49	0.65
2.0-3.0	206.1	1.0	1.8	0.80	1.45
3.0-4.0	202.5	1.4	3.1	1.10	2.56
4.0-5.0	197.9	1.7	4.8	1.39	3.95
5.0-6.0	192.3	2.0	6.9	1.65	5.59
6.0-7.0	185.8	2.3	9.2	1.88	7.47
7.0-8.0	178.7	2.6	11.7	2.08	9.56
8.0-9.0	170.9	2.8	14.5	2.26	11.81
9.0-10.0	162.9	2.9	17.4	2.40	14.22
10.0-11.0	154.6	3.1	20.5	2.52	16.73
11.0-12.0	146.1	3.2	23.7	2.60	19.34
12.0-13.0	137.5	3.3	27.0	2.66	22.00
13.0-14.0	129.2	3.3	30.3	2.69	24.69
14.0-15.0	120.9	3.3	33.6	2.71	27.40
15.0-16.0	113.0	3.3	36.9	2.70	30.09
16.0-17.0	105.4	3.3	40.2	2.67	32.77
17.0-18.0	98.2	3.2	43.5	2.64	35.40
18.0-19.0	91.3	3.2	46.6	2.59	37.99
19.0-20.0	85.0	3.1	49.7	2.53	40.53
20.0-21.0	79.0	3.0	52.8	2.47	43.00
21.0-22.0	73.5	3.0	55.7	2.41	45.41
22.0-23.0	68.4	2.9	58.6	2.34	47.75
23.0-24.0	63.8	2.8	61.4	2.27	50.02
24.0-25.0	59.5	2.7	64.1	2.20	52.23
25.0-26.0	55.5	2.6	66.7	2.14	54.36
26.0-27.0	51.9	2.5	69.3	2.07	56.43
27.0-28.0	48.6	2.5	71.7	2.00	58.44
28.0-29.0	45.4	2.4	74.1	1.94	60.37
29.0-30.0	42.5	2.3	76.4	1.87	62.25
30.0-31.0	39.7	2.2	78.6	1.80	64.05
31.0-32.0	37.1	2.1	80.7	1.73	65.78
32.0-33.0	34.7	2.0	82.8	1.67	67.45
33.0-34.0	32.4	2.0	84.7	1.60	69.04
34.0-35.0	30.3	1.9	86.6	1.53	70.58
35.0-36.0	28.4	1.8	88.4	1.47	72.05

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 1)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	26.6	1.7	90.2	1.41	73.47
37.0-38.0	25.0	1.7	91.8	1.36	74.82
38.0-39.0	23.5	1.6	93.4	1.31	76.13
39.0-40.0	22.1	1.5	95.0	1.26	77.39
40.0-41.0	20.8	1.5	96.5	1.21	78.59
41.0-42.0	19.6	1.4	97.9	1.16	79.75
42.0-43.0	18.4	1.4	99.2	1.11	80.86
43.0-44.0	17.3	1.3	100.6	1.07	81.93
44.0-45.0	16.3	1.3	101.8	1.02	82.95
45.0-46.0	15.3	1.2	103.0	0.98	83.93
46.0-47.0	14.4	1.1	104.1	0.93	84.86
47.0-48.0	13.5	1.1	105.2	0.89	85.75
48.0-49.0	12.6	1.0	106.3	0.84	86.59
49.0-50.0	11.8	1.0	107.3	0.80	87.39
50.0-51.0	11.0	0.9	108.2	0.76	88.15
51.0-52.0	10.3	0.9	109.1	0.72	88.87
52.0-53.0	9.6	0.8	109.9	0.68	89.55
53.0-54.0	8.9	0.8	110.7	0.64	90.19
54.0-55.0	8.3	0.7	111.4	0.60	90.79
55.0-56.0	7.7	0.7	112.1	0.56	91.35
56.0-57.0	7.1	0.6	112.8	0.53	91.88
57.0-58.0	6.6	0.6	113.4	0.50	92.38
58.0-59.0	6.1	0.6	113.9	0.46	92.84
59.0-60.0	5.6	0.5	114.5	0.43	93.27
60.0-61.0	5.2	0.5	115.0	0.40	93.68
61.0-62.0	4.8	0.5	115.4	0.38	94.06
62.0-63.0	4.5	0.4	115.9	0.35	94.41
63.0-64.0	4.1	0.4	116.3	0.33	94.74
64.0-65.0	3.8	0.4	116.7	0.31	95.05
65.0-66.0	3.5	0.4	117.0	0.29	95.34
66.0-67.0	3.3	0.3	117.3	0.27	95.61
67.0-68.0	3.0	0.3	117.6	0.25	95.86
68.0-69.0	2.8	0.3	117.9	0.23	96.09
69.0-70.0	2.5	0.3	118.2	0.21	96.30
70.0-71.0	2.3	0.2	118.4	0.19	96.49
71.0-72.0	2.1	0.2	118.6	0.18	96.67

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	1.9	0.2	118.8	0.16	96.83
73.0-74.0	1.7	0.2	119.0	0.15	96.98
74.0-75.0	1.5	0.2	119.2	0.13	97.11
75.0-76.0	1.4	0.1	119.3	0.12	97.23
76.0-77.0	1.2	0.1	119.5	0.11	97.34
77.0-78.0	1.1	0.1	119.6	0.09	97.43
78.0-79.0	1.0	0.1	119.7	0.08	97.52
79.0-80.0	0.8	0.1	119.8	0.07	97.59
80.0-81.0	0.7	0.1	119.9	0.06	97.65
81.0-82.0	0.6	0.1	119.9	0.06	97.71
82.0-83.0	0.5	0.1	120.0	0.05	97.76
83.0-84.0	0.5	0.1	120.0	0.04	97.80
84.0-85.0	0.4	0.0	120.1	0.04	97.84
85.0-86.0	0.4	0.0	120.1	0.03	97.87
86.0-87.0	0.3	0.0	120.2	0.03	97.90
87.0-88.0	0.3	0.0	120.2	0.03	97.92
88.0-89.0	0.3	0.0	120.2	0.03	97.95
89.0-90.0	0.3	0.0	120.2	0.03	97.98
90.0-91.0	0.3	0.0	120.3	0.02	98.00
91.0-92.0	0.3	0.0	120.3	0.02	98.03
92.0-93.0	0.3	0.0	120.3	0.02	98.05
93.0-94.0	0.3	0.0	120.4	0.02	98.07
94.0-95.0	0.3	0.0	120.4	0.02	98.10
95.0-96.0	0.3	0.0	120.4	0.02	98.12
96.0-97.0	0.3	0.0	120.5	0.02	98.15
97.0-98.0	0.3	0.0	120.5	0.02	98.17
98.0-99.0	0.3	0.0	120.5	0.02	98.19
99.0-100.0	0.2	0.0	120.5	0.02	98.21
100.0-101.0	0.3	0.0	120.6	0.02	98.24
101.0-102.0	0.3	0.0	120.6	0.02	98.26
102.0-103.0	0.2	0.0	120.6	0.02	98.28
103.0-104.0	0.2	0.0	120.6	0.02	98.30
104.0-105.0	0.2	0.0	120.7	0.02	98.32
105.0-106.0	0.2	0.0	120.7	0.02	98.34
106.0-107.0	0.3	0.0	120.7	0.02	98.36
107.0-108.0	0.2	0.0	120.8	0.02	98.39

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	0.2	0.0	120.8	0.02	98.41
109.0-110.0	0.2	0.0	120.8	0.02	98.43
110.0-111.0	0.2	0.0	120.8	0.02	98.45
111.0-112.0	0.2	0.0	120.9	0.02	98.47
112.0-113.0	0.3	0.0	120.9	0.02	98.49
113.0-114.0	0.3	0.0	120.9	0.02	98.51
114.0-115.0	0.3	0.0	120.9	0.02	98.53
115.0-116.0	0.3	0.0	121.0	0.02	98.55
116.0-117.0	0.3	0.0	121.0	0.02	98.57
117.0-118.0	0.3	0.0	121.0	0.02	98.60
118.0-119.0	0.3	0.0	121.0	0.02	98.62
119.0-120.0	0.3	0.0	121.1	0.02	98.64
120.0-121.0	0.3	0.0	121.1	0.02	98.66
121.0-122.0	0.3	0.0	121.1	0.02	98.69
122.0-123.0	0.3	0.0	121.2	0.02	98.71
123.0-124.0	0.3	0.0	121.2	0.02	98.74
124.0-125.0	0.3	0.0	121.2	0.02	98.76
125.0-126.0	0.3	0.0	121.2	0.02	98.78
126.0-127.0	0.3	0.0	121.3	0.02	98.81
127.0-128.0	0.4	0.0	121.3	0.03	98.83
128.0-129.0	0.4	0.0	121.3	0.02	98.86
129.0-130.0	0.4	0.0	121.4	0.03	98.88
130.0-131.0	0.4	0.0	121.4	0.03	98.91
131.0-132.0	0.4	0.0	121.4	0.03	98.94
132.0-133.0	0.4	0.0	121.5	0.03	98.96
133.0-134.0	0.4	0.0	121.5	0.03	98.99
134.0-135.0	0.4	0.0	121.5	0.03	99.02
135.0-136.0	0.4	0.0	121.6	0.03	99.05
136.0-137.0	0.5	0.0	121.6	0.03	99.07
137.0-138.0	0.5	0.0	121.6	0.03	99.10
138.0-139.0	0.5	0.0	121.7	0.03	99.13
139.0-140.0	0.5	0.0	121.7	0.03	99.16
140.0-141.0	0.5	0.0	121.7	0.03	99.19
141.0-142.0	0.5	0.0	121.8	0.03	99.22
142.0-143.0	0.5	0.0	121.8	0.03	99.25
143.0-144.0	0.6	0.0	121.8	0.03	99.28

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	0.6	0.0	121.9	0.03	99.31
145.0-146.0	0.6	0.0	121.9	0.03	99.34
146.0-147.0	0.6	0.0	122.0	0.03	99.37
147.0-148.0	0.6	0.0	122.0	0.03	99.40
148.0-149.0	0.6	0.0	122.0	0.03	99.43
149.0-150.0	0.7	0.0	122.1	0.03	99.46
150.0-151.0	0.7	0.0	122.1	0.03	99.49
151.0-152.0	0.7	0.0	122.1	0.03	99.52
152.0-153.0	0.7	0.0	122.2	0.03	99.55
153.0-154.0	0.7	0.0	122.2	0.03	99.58
154.0-155.0	0.7	0.0	122.3	0.03	99.61
155.0-156.0	0.8	0.0	122.3	0.03	99.63
156.0-157.0	0.8	0.0	122.3	0.03	99.66
157.0-158.0	0.8	0.0	122.3	0.03	99.69
158.0-159.0	0.8	0.0	122.4	0.03	99.71
159.0-160.0	0.8	0.0	122.4	0.03	99.74
160.0-161.0	0.8	0.0	122.4	0.02	99.76
161.0-162.0	0.8	0.0	122.5	0.02	99.79
162.0-163.0	0.8	0.0	122.5	0.02	99.81
163.0-164.0	0.8	0.0	122.5	0.02	99.83
164.0-165.0	0.9	0.0	122.5	0.02	99.85
165.0-166.0	0.9	0.0	122.6	0.02	99.87
166.0-167.0	0.9	0.0	122.6	0.02	99.89
167.0-168.0	0.9	0.0	122.6	0.02	99.90
168.0-169.0	0.8	0.0	122.6	0.02	99.92
169.0-170.0	0.9	0.0	122.6	0.01	99.93
170.0-171.0	0.9	0.0	122.7	0.01	99.94
171.0-172.0	0.9	0.0	122.7	0.01	99.96
172.0-173.0	0.9	0.0	122.7	0.01	99.97
173.0-174.0	0.9	0.0	122.7	0.01	99.98
174.0-175.0	0.9	0.0	122.7	0.01	99.98
175.0-176.0	0.9	0.0	122.7	0.01	99.99
176.0-177.0	0.9	0.0	122.7	0.00	99.99
177.0-178.0	0.9	0.0	122.7	0.00	100.00
178.0-179.0	0.9	0.0	122.7	0.00	100.00
179.0-180.0	0.9	0.0	122.7	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: