GENLED Brands
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Tel:+1 212 629 6830
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Report No.: 20230310 **Test Time: 2023/3/13 10:16**

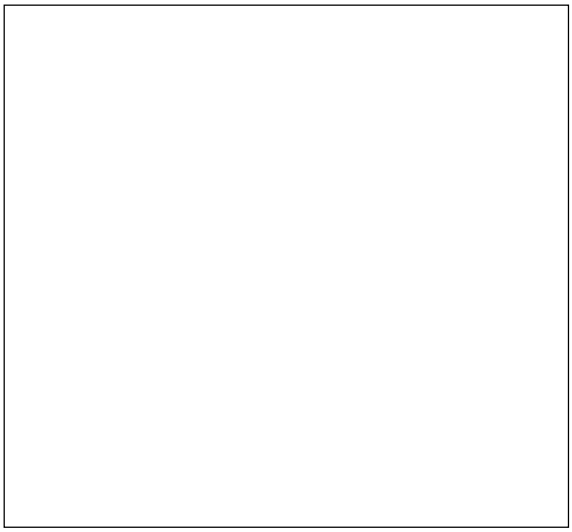
Luminaire Property

Luminaire Manufacturer:
Luminaire Category: Acolyte
Luminaire Description: Scroll 35S pendants fixture Static White 0.123A
Luminous Length (mm): 300 **Luminous Width (mm): 35**
Luminous Height (mm): 25 **Voltage: 32.6 V**
Current: 0.123 A **Power: 4.01 W**
Power Factor: 1.000

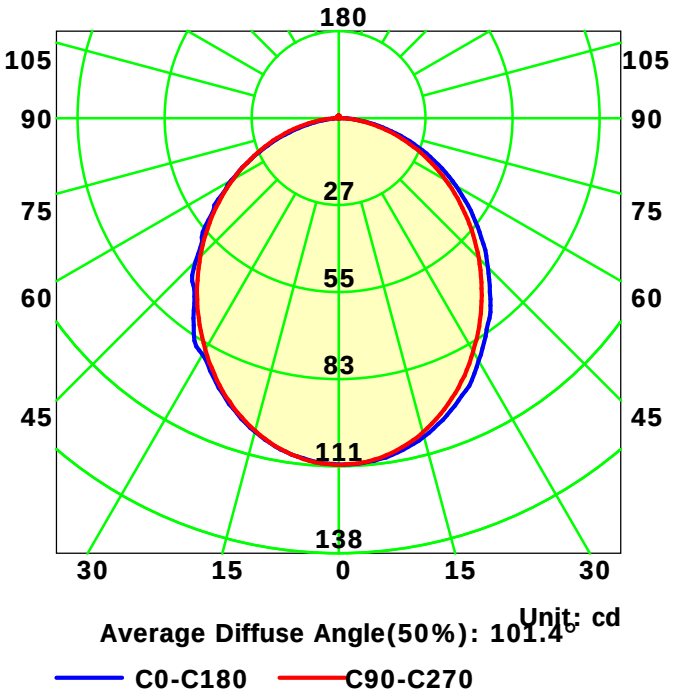
Photometric Results

CIE Class: Direct **Total Rated Lamp Lumens: 283.0 lm**
Measurement Flux: 283 lm **Efficiency: 100%**
Downward Ratio: 99% **Upward Ratio: 1%**
Horizontal Diffuse Angle(10%,50%): H157.9,H103.3
Vertical Diffuse Angle(10%,50%): V158.6,V99.6
Luminaire Efficacy Rating (LER): 71 **Central Intensity: 110.59 cd**
Max. Intensity: 110.67 cd **Pos of Max. Intensity: H60 V1**

Picture Of Luminaire

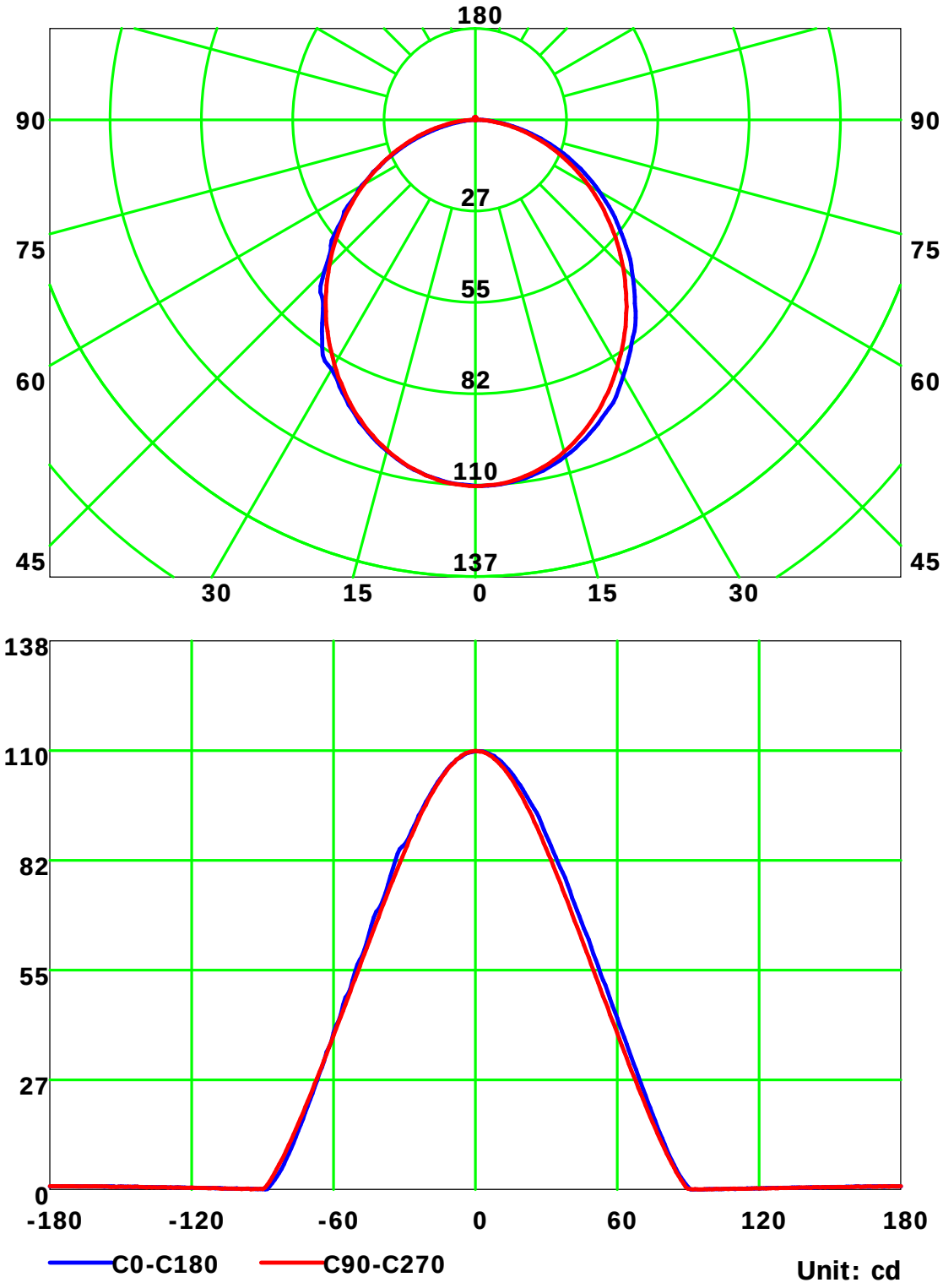


Luminous Intensity Distribution Curve



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



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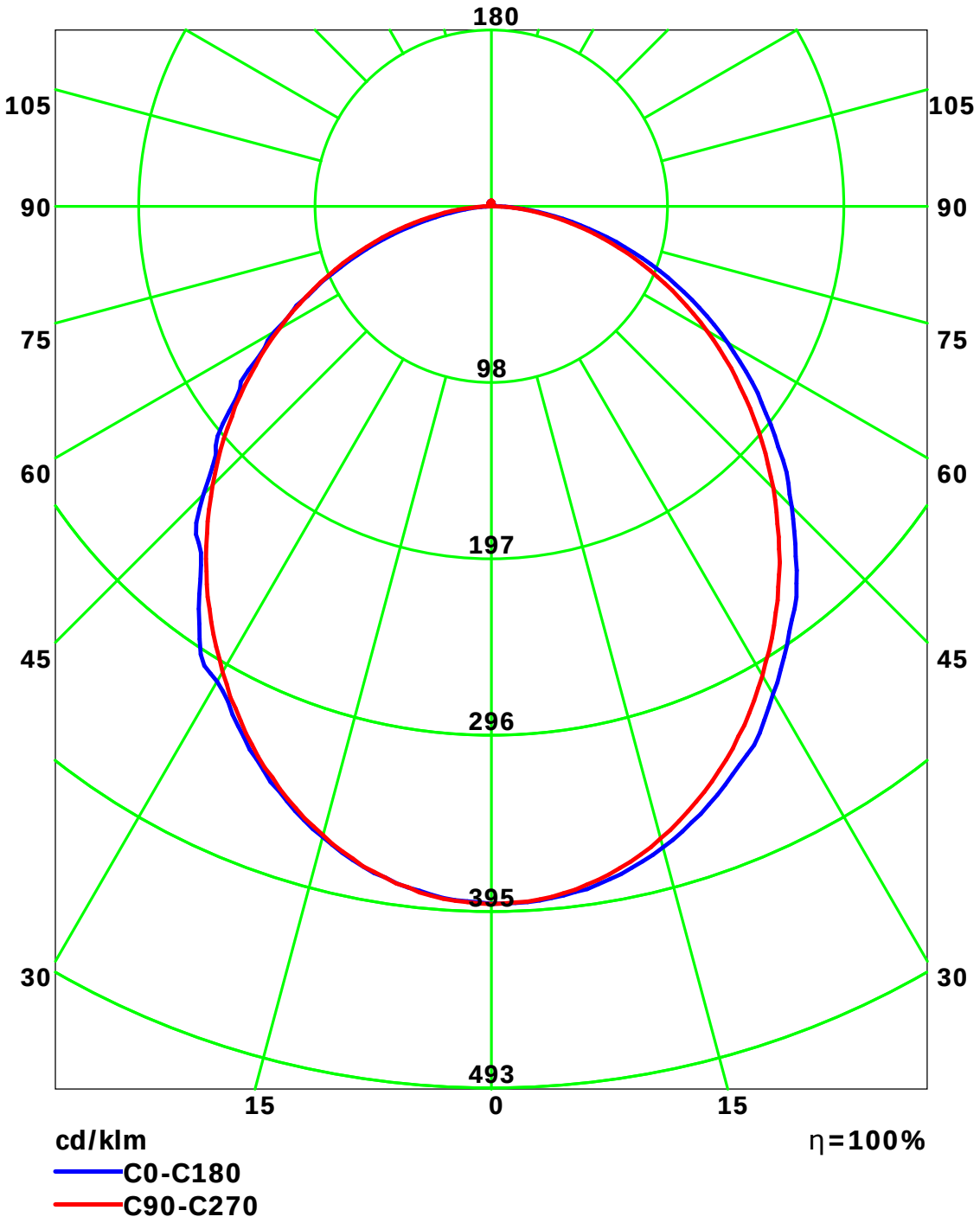
Temperature: 25
Operator: Jacky

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
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

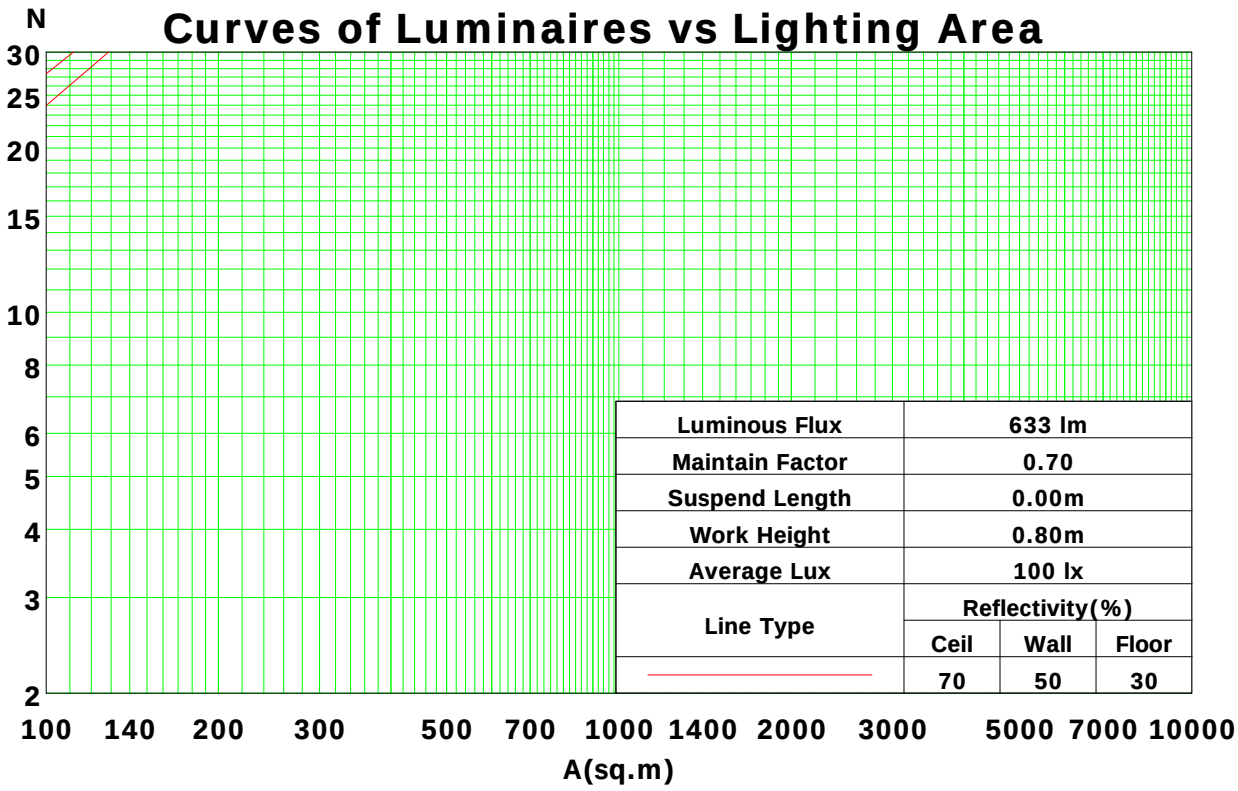
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99
1	109	104	100	96	106	102	98	95	97	94	91	93	91	88	90	88	86	83
2	99	91	84	79	96	89	83	78	85	80	76	82	78	74	79	75	72	70
3	91	80	72	66	88	79	71	65	76	69	64	73	67	63	70	65	62	59
4	83	71	63	56	81	70	62	56	67	60	55	65	59	54	63	57	53	51
5	77	64	55	49	74	63	54	48	61	53	48	58	52	47	57	51	46	44
6	71	58	49	43	69	57	48	42	55	47	42	53	46	41	51	46	41	39
7	66	52	44	38	64	52	43	38	50	43	37	48	42	37	47	41	37	35
8	61	48	40	34	60	47	39	34	46	39	33	44	38	33	43	37	33	31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	52	40	33	28	39	32	27	38	32	27	37	31	27	25

Spacing Criteria (0-180): 1.20
Spacing Criteria (90-270): 1.16
Spacing Criteria (Diagonal): 1.29

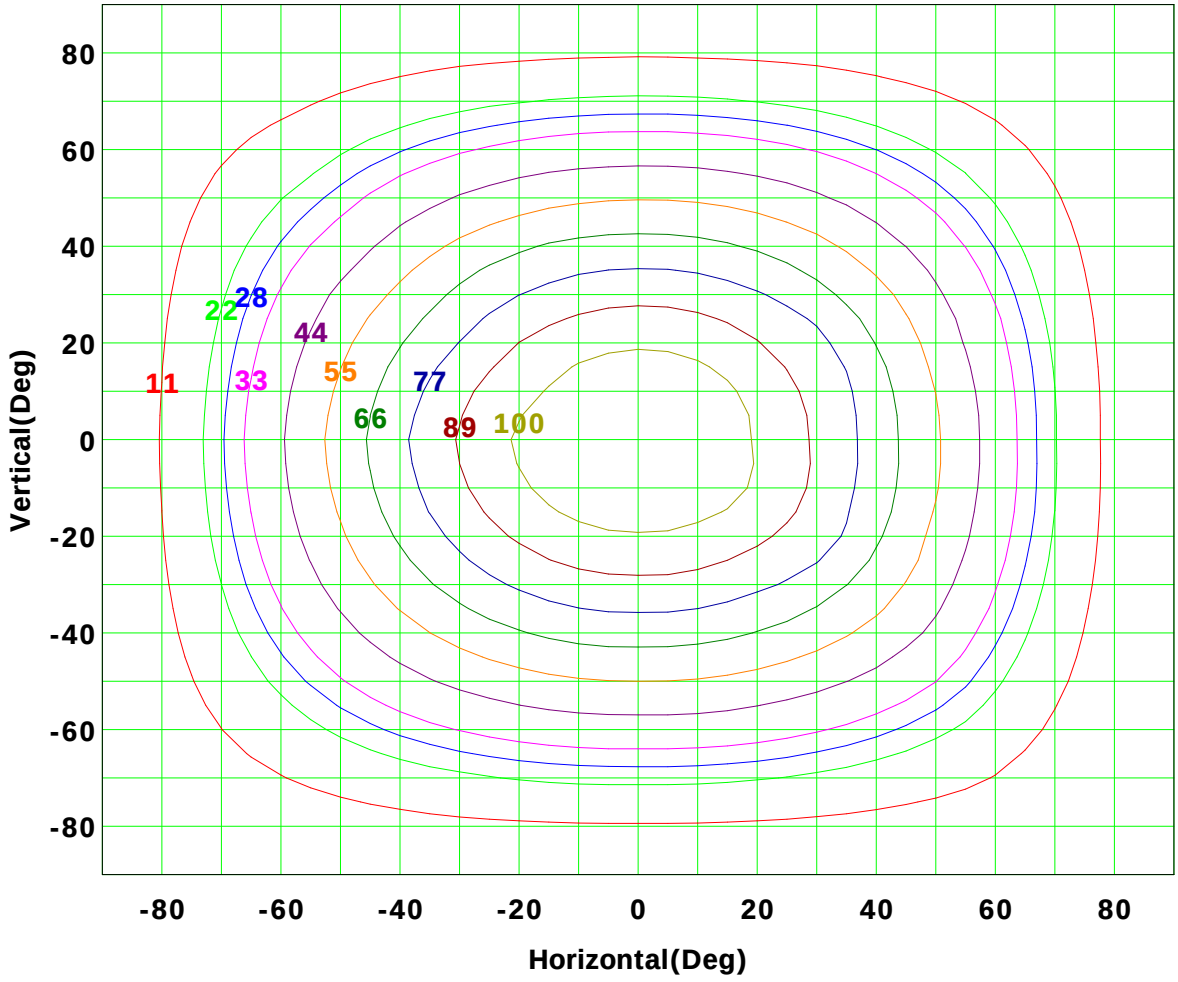
Curves of Luminaires vs Lighting Area



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)



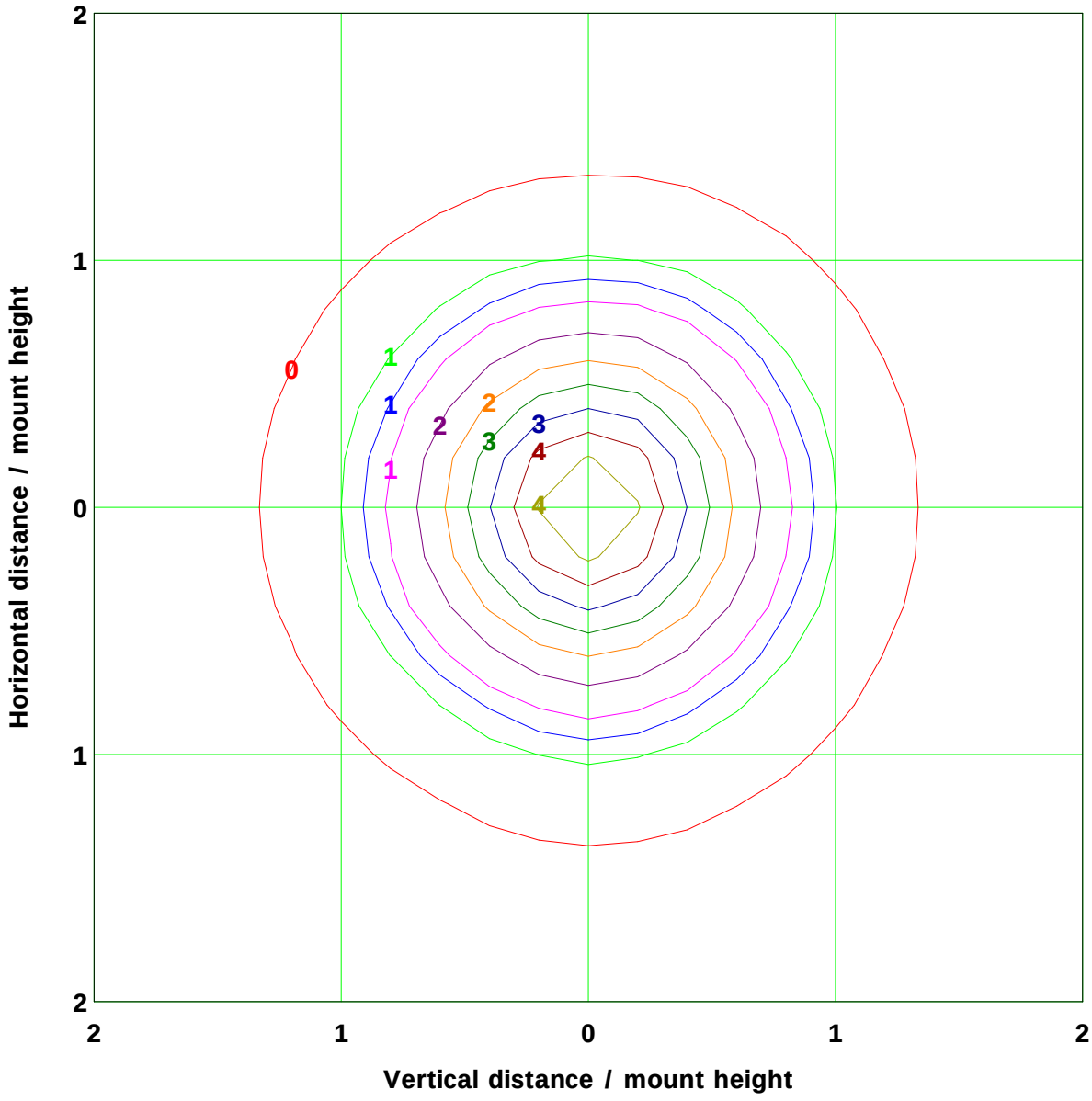
Imax (100%): 111 cd

(10%):	11 cd	(20%):	22 cd
(25%):	28 cd	(30%):	33 cd
(40%):	44 cd	(50%):	55 cd
(60%):	66 cd	(70%):	77 cd
(80%):	89 cd	(90%):	100 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%): 4.4 lx

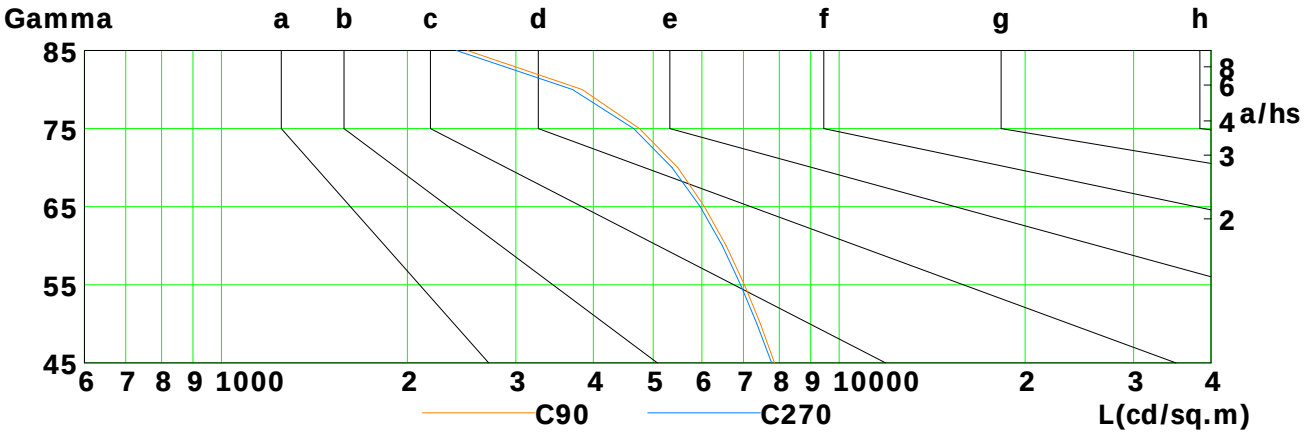
(10%): 0.4 lx	(20%): 0.9 lx
(25%): 1.1 lx	(30%): 1.3 lx
(40%): 1.8 lx	(50%): 2.2 lx
(60%): 2.7 lx	(70%): 3.1 lx
(80%): 3.5 lx	(90%): 4.0 lx

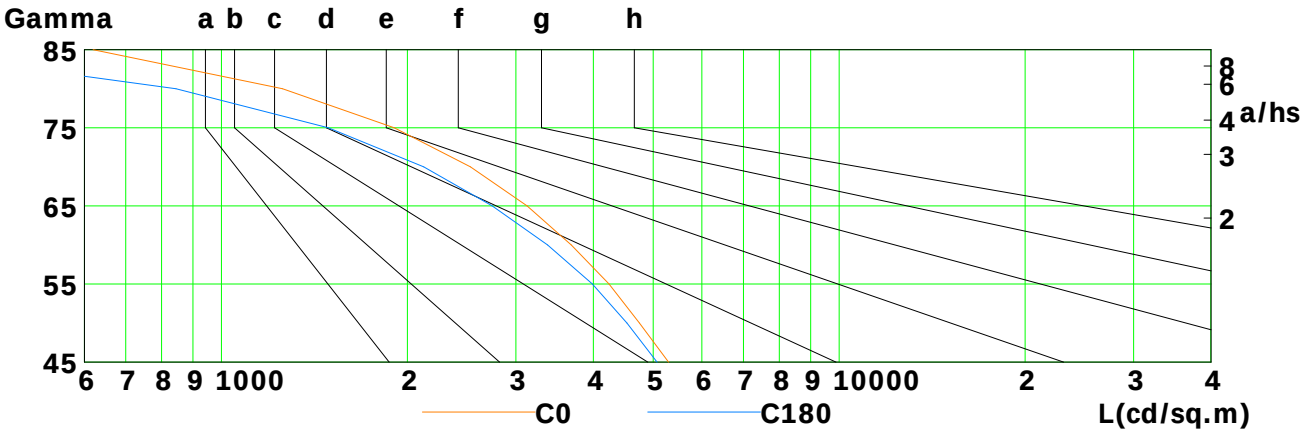
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

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



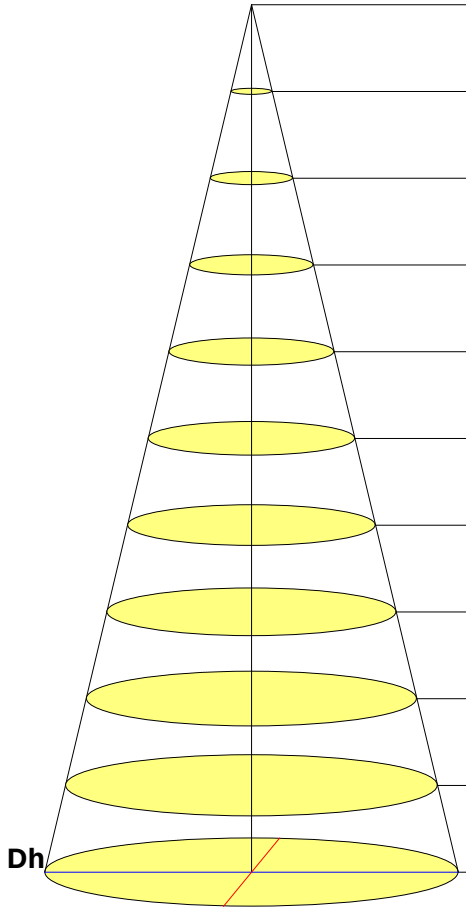


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	5297	4752	4241	3684	3128	2531	1905	1256	620
C90	7866	7457	7029	6570	6057	5486	4755	3836	2502
C180	5075	4539	3986	3375	2746	2127	1491	845	296
C270	7779	7364	6931	6470	5963	5368	4651	3702	2401

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



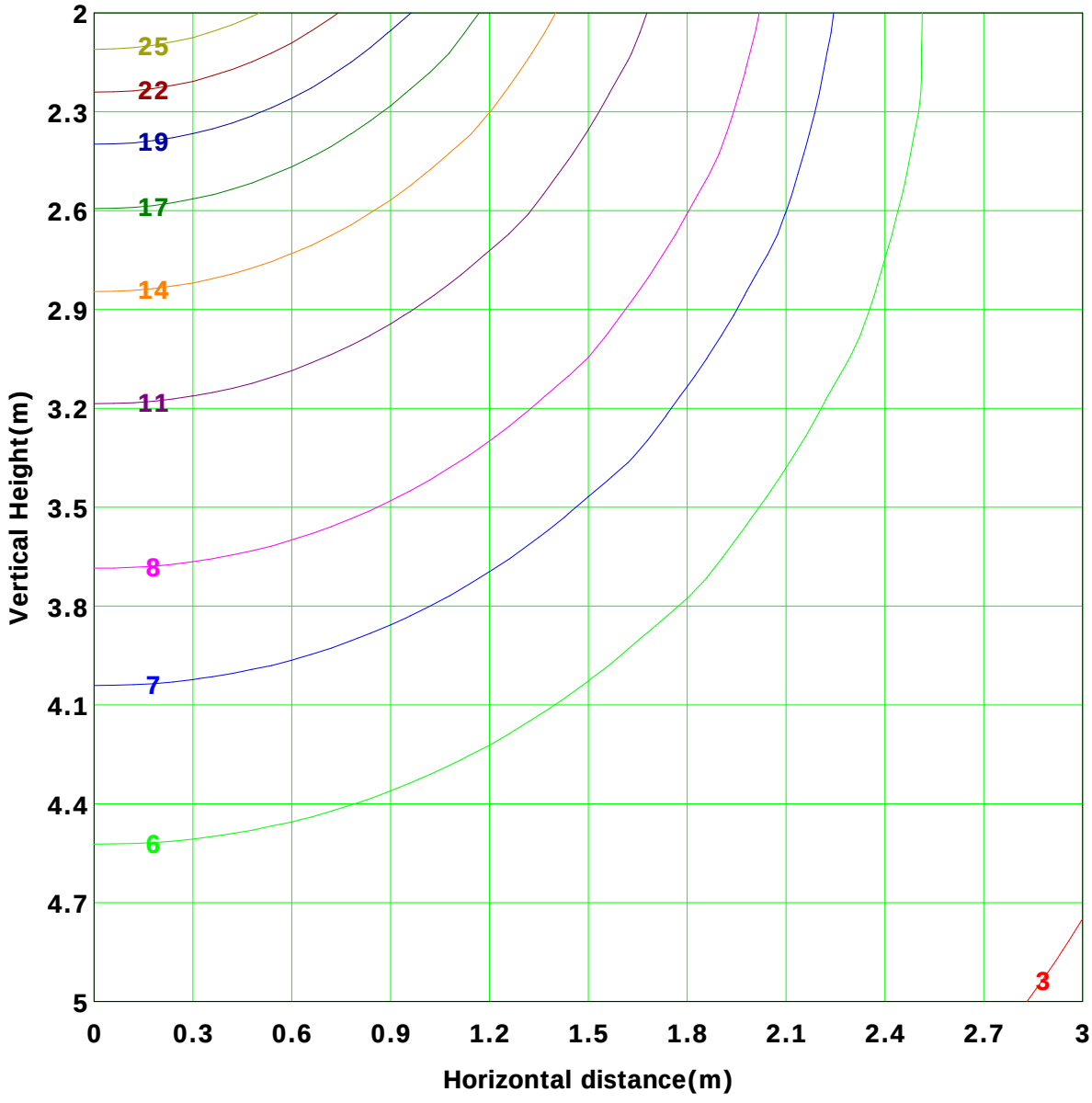
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	110.59	2.53/2.37	4.7	22.76
2.0	27.65	5.05/4.73	18.7	5.69
3.0	12.29	7.58/7.10	42.2	2.53
4.0	6.91	10.11/9.46	75.0	1.42
5.0	4.42	12.64/11.83	117.2	0.91
6.0	3.07	15.16/14.19	168.7	0.63
7.0	2.26	17.69/16.56	229.6	0.46
8.0	1.73	20.22/18.92	299.9	0.36
9.0	1.37	22.75/21.29	379.6	0.28
10.0	1.11	25.27/23.65	468.7	0.23

Beam Angle(B): H103.3 V99.6 Field Angle(F): H157.9 V158.6

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: 27.6 lx

(10%): 2.8 lx	(20%): 5.5 lx
(25%): 6.9 lx	(30%): 8.3 lx
(40%): 11.1 lx	(50%): 13.8 lx
(60%): 16.6 lx	(70%): 19.4 lx
(80%): 22.1 lx	(90%): 24.9 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

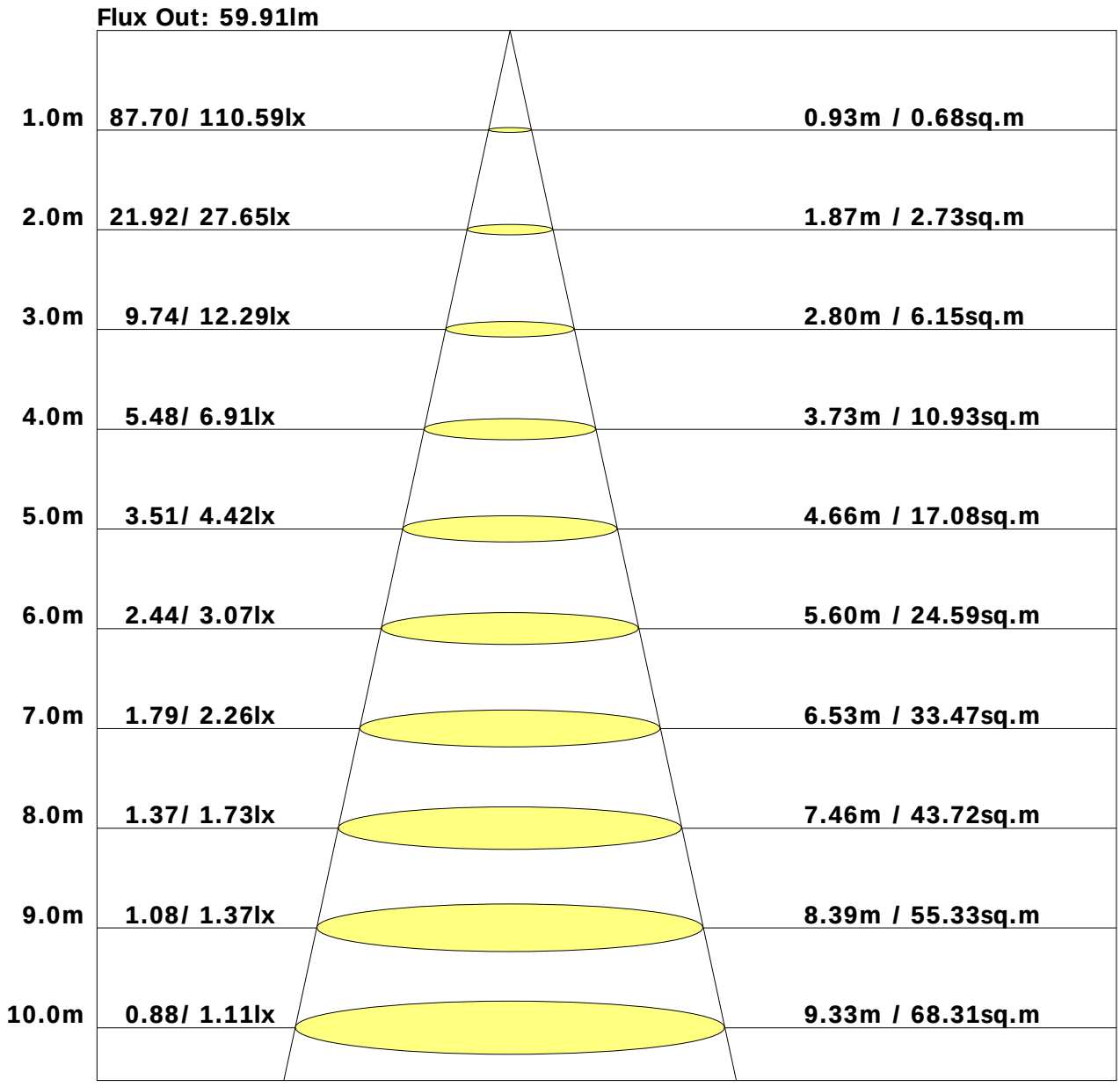
Vertical plane	Flux(E)	Flux(T)	90	80	70	60	50	40	30	20	10	0	-10	-20	-30	-40	-50	-60	-70	-80	-90
-90	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-80	0.8	1.3	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
-70	3.9	4.3	0.0	0.1	0.1	0.1	0.2	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.3	0.2	0.2	0.1	0.1	0.0	0.0
-60	8.6	8.9	0.0	0.2	0.3	0.4	0.6	0.6	0.7	0.8	0.8	0.8	0.8	0.7	0.6	0.5	0.4	0.3	0.1	0.1	0.0
-50	14.3	14.6	0.1	0.3	0.5	0.7	0.9	1.1	1.3	1.3	1.4	1.4	1.3	1.2	1.0	0.9	0.6	0.4	0.2	0.1	0.1
-40	20.5	20.8	0.1	0.3	0.6	1.0	1.3	1.5	1.8	1.9	2.0	2.0	1.9	1.7	1.5	1.2	0.9	0.6	0.3	0.1	0.1
-30	26.0	26.3	0.1	0.4	0.8	1.2	1.6	1.9	2.2	2.5	2.6	2.5	2.4	2.2	1.9	1.5	1.1	0.8	0.4	0.1	0.1
-20	30.3	30.6	0.1	0.5	0.9	1.3	1.8	2.2	2.6	2.9	3.0	3.0	2.9	2.6	2.2	1.8	1.3	0.9	0.5	0.1	0.1
-10	32.6	32.9	0.1	0.5	1.0	1.4	1.9	2.4	2.8	3.1	3.3	3.3	3.1	2.8	2.3	1.9	1.4	0.9	0.5	0.1	0.1
0	32.5	32.9	0.1	0.5	1.0	1.4	1.9	2.4	2.8	3.1	3.3	3.3	3.1	2.8	2.3	1.9	1.4	0.9	0.5	0.1	0.1
10	30.1	30.5	0.1	0.5	0.9	1.3	1.8	2.2	2.6	2.9	3.1	3.0	2.8	2.5	2.2	1.7	1.3	0.9	0.5	0.1	0.1
20	25.8	26.1	0.1	0.4	0.8	1.2	1.5	1.9	2.2	2.5	2.6	2.6	2.4	2.2	1.9	1.5	1.1	0.8	0.4	0.1	0.1
30	20.3	20.6	0.1	0.3	0.6	0.9	1.2	1.5	1.8	1.9	2.0	2.0	1.9	1.7	1.5	1.2	0.9	0.6	0.3	0.1	0.1
40	14.3	14.7	0.1	0.2	0.5	0.7	0.9	1.1	1.2	1.4	1.4	1.4	1.3	1.2	1.0	0.8	0.6	0.4	0.2	0.1	0.1
50	8.8	9.1	0.0	0.2	0.3	0.4	0.6	0.7	0.8	0.9	0.9	0.9	0.8	0.8	0.6	0.5	0.4	0.2	0.1	0.0	0.0
60	4.3	4.7	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.4	0.5	0.5	0.4	0.4	0.3	0.3	0.2	0.1	0.1	0.0	0.0
70	1.3	1.6	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
80	0.0	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	0.0
90		280	1.3	4.6	8.5	12.6	16.7	20.5	23.9	26.4	27.6	27.5	25.9	23.3	20.0	16.1	12.1	8.0	4.2	1.1	
Flux(E)	274	Flux(T)	0.0	3.6	8.3	12.5	16.6	20.4	23.8	26.3	27.6	27.4	25.9	23.3	19.9	16.0	11.9	7.7	3.1	0.0	Flux(E)

Horizontal plane

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



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Test Lab:
Test Type: TYPE C
Temperature: 25
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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	22.3	23.9	22.7	24.3	24.6	20.9	22.5	21.3	22.8	23.1
3H	24.1	25.5	24.5	25.9	26.2	22.2	23.7	22.6	24.0	24.4
4H	24.7	26.1	25.1	26.4	26.8	22.6	24.0	23.1	24.4	24.8
6H	25.2	26.4	25.6	26.8	27.2	22.9	24.1	23.3	24.5	24.9
8H	25.3	26.5	25.7	26.9	27.3	23.0	24.1	23.4	24.6	25.0
12H	25.4	26.5	25.8	26.9	27.4	23.0	24.1	23.4	24.5	25.0
X=4H Y=2H	22.7	24.0	23.1	24.4	24.8	21.5	22.8	21.9	23.2	23.6
3H	24.6	25.7	25.0	26.1	26.5	23.0	24.2	23.5	24.6	25.0
4H	25.3	26.3	25.7	26.7	27.2	23.6	24.6	24.0	25.0	25.5
6H	25.8	26.7	26.3	27.2	27.6	23.9	24.8	24.4	25.2	25.7
8H	26.0	26.8	26.4	27.3	27.7	24.0	24.8	24.4	25.3	25.7
12H	26.1	26.8	26.6	27.3	27.8	24.0	24.8	24.5	25.2	25.7
X=8H Y=4H	25.4	26.2	25.8	26.7	27.1	23.8	24.7	24.3	25.1	25.6
6H	25.9	26.6	26.5	27.1	27.6	24.2	24.9	24.7	25.4	25.9
8H	26.1	26.8	26.7	27.3	27.8	24.3	25.0	24.9	25.5	26.0
12H	26.3	26.8	26.8	27.4	27.9	24.4	25.0	24.9	25.5	26.1
X=12H Y=4H	25.4	26.1	25.9	26.6	27.1	23.8	24.6	24.3	25.1	25.6
6H	26.0	26.6	26.5	27.1	27.6	24.3	24.9	24.8	25.4	25.9
8H	26.2	26.7	26.7	27.2	27.8	24.4	25.0	24.9	25.5	26.1

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	0.68	0.76	0.81	0.88	0.93	0.96	1.01	1.04
	0.30		0.51	0.61	0.68	0.74	0.82	0.87	0.91	0.97	1.00
	0.20		0.45	0.55	0.63	0.69	0.77	0.83	0.87	0.93	0.97
0.50	0.50	0.20	0.57	0.66	0.73	0.78	0.85	0.89	0.92	0.97	0.99
	0.30		0.50	0.60	0.67	0.72	0.80	0.85	0.88	0.93	0.96
	0.20		0.45	0.55	0.62	0.67	0.75	0.81	0.85	0.90	0.94
0.30	0.50	0.20	0.55	0.64	0.71	0.75	0.82	0.86	0.89	0.93	0.95
	0.30		0.49	0.59	0.65	0.70	0.77	0.82	0.85	0.90	0.93
	0.20		0.44	0.54	0.61	0.66	0.74	0.79	0.83	0.88	0.91
0.00	0.00	0.00	0.42	0.51	0.58	0.63	0.70	0.75	0.78	0.83	0.86

Rating:4W 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
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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	0.97	0.80	0.68	0.59	0.47	0.39	0.33	0.26	0.21
	0.30		0.81	0.68	0.59	0.52	0.43	0.36	0.31	0.24	0.20
	0.20		0.69	0.60	0.53	0.47	0.39	0.33	0.29	0.23	0.19
0.50	0.50	0.20	0.93	0.77	0.65	0.57	0.45	0.41	0.32	0.25	0.20
	0.30		0.79	0.67	0.57	0.51	0.41	0.34	0.30	0.23	0.19
	0.20		0.69	0.59	0.52	0.46	0.38	0.32	0.28	0.22	0.18
0.30	0.50	0.20	0.91	0.74	0.62	0.54	0.43	0.35	0.30	0.23	0.19
	0.30		0.77	0.65	0.56	0.49	0.40	0.33	0.29	0.22	0.18
	0.20		0.68	0.58	0.51	0.45	0.37	0.31	0.27	0.21	0.18
0.00	0.00	0.00	0.57	0.48	0.41	0.36	0.29	0.24	0.21	0.16	0.13

Rating:4W 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	0.17	0.18	0.19	0.20	0.21	0.21	0.22	0.22	0.23
	0.30		0.10	0.12	0.13	0.14	0.16	0.17	0.18	0.19	0.20
	0.20		0.06	0.07	0.09	0.10	0.12	0.14	0.15	0.17	0.18
0.50	0.50	0.20	0.16	0.18	0.19	0.19	0.20	0.20	0.21	0.21	0.22
	0.30		0.10	0.12	0.13	0.14	0.16	0.17	0.17	0.19	0.19
	0.20		0.06	0.07	0.09	0.10	0.12	0.13	0.15	0.16	0.17
0.30	0.50	0.20	0.16	0.17	0.18	0.18	0.19	0.20	0.20	0.20	0.21
	0.30		0.10	0.11	0.13	0.14	0.15	0.16	0.17	0.18	0.19
	0.20		0.06	0.07	0.09	0.10	0.12	0.13	0.14	0.16	0.17
0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

Rating:4W 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	110.6	0.1	0.1	0.04	0.04
1.0-2.0	110.5	0.3	0.4	0.11	0.15
2.0-3.0	110.4	0.5	1.0	0.19	0.34
3.0-4.0	110.2	0.7	1.7	0.26	0.60
4.0-5.0	110.0	0.9	2.6	0.33	0.93
5.0-6.0	109.7	1.2	3.8	0.41	1.34
6.0-7.0	109.3	1.4	5.1	0.48	1.82
7.0-8.0	108.9	1.6	6.7	0.55	2.37
8.0-9.0	108.4	1.8	8.5	0.62	2.99
9.0-10.0	107.9	2.0	10.4	0.69	3.68
10.0-11.0	107.3	2.1	12.6	0.76	4.44
11.0-12.0	106.6	2.3	14.9	0.82	5.26
12.0-13.0	106.0	2.5	17.4	0.89	6.15
13.0-14.0	105.2	2.7	20.1	0.95	7.10
14.0-15.0	104.4	2.9	23.0	1.01	8.11
15.0-16.0	103.6	3.0	26.0	1.07	9.19
16.0-17.0	102.7	3.2	29.2	1.13	10.32
17.0-18.0	101.7	3.4	32.6	1.19	11.50
18.0-19.0	100.7	3.5	36.1	1.24	12.74
19.0-20.0	99.7	3.6	39.7	1.29	14.03
20.0-21.0	98.7	3.8	43.5	1.34	15.37
21.0-22.0	97.6	3.9	47.4	1.39	16.75
22.0-23.0	96.4	4.0	51.5	1.43	18.18
23.0-24.0	95.3	4.2	55.6	1.47	19.66
24.0-25.0	94.1	4.3	59.9	1.51	21.17
25.0-26.0	92.8	4.4	64.3	1.55	22.71
26.0-27.0	91.6	4.5	68.8	1.58	24.30
27.0-28.0	90.3	4.6	73.3	1.61	25.91
28.0-29.0	88.9	4.7	78.0	1.64	27.56
29.0-30.0	87.5	4.7	82.7	1.67	29.23
30.0-31.0	86.2	4.8	87.5	1.69	30.92
31.0-32.0	84.8	4.9	92.4	1.72	32.64
32.0-33.0	83.4	4.9	97.3	1.74	34.37
33.0-34.0	82.0	5.0	102.3	1.75	36.13
34.0-35.0	80.5	5.0	107.3	1.77	37.90
35.0-36.0	79.1	5.0	112.3	1.78	39.68

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	77.7	5.1	117.4	1.79	41.47
37.0-38.0	76.3	5.1	122.5	1.80	43.26
38.0-39.0	74.8	5.1	127.6	1.80	45.07
39.0-40.0	73.2	5.1	132.7	1.81	46.87
40.0-41.0	71.7	5.1	137.8	1.80	48.68
41.0-42.0	70.1	5.1	142.9	1.80	50.48
42.0-43.0	68.4	5.1	147.9	1.79	52.27
43.0-44.0	66.8	5.0	153.0	1.78	54.05
44.0-45.0	65.1	5.0	158.0	1.77	55.82
45.0-46.0	63.5	5.0	162.9	1.75	57.57
46.0-47.0	61.9	4.9	167.9	1.74	59.31
47.0-48.0	60.4	4.9	172.7	1.72	61.03
48.0-49.0	58.9	4.8	177.6	1.71	62.74
49.0-50.0	57.3	4.8	182.4	1.69	64.43
50.0-51.0	55.6	4.7	187.1	1.66	66.09
51.0-52.0	54.0	4.6	191.7	1.64	67.73
52.0-53.0	52.3	4.6	196.2	1.61	69.34
53.0-54.0	50.7	4.5	200.7	1.58	70.92
54.0-55.0	49.2	4.4	205.1	1.55	72.47
55.0-56.0	47.6	4.3	209.4	1.52	73.99
56.0-57.0	46.0	4.2	213.6	1.49	75.47
57.0-58.0	44.3	4.1	217.7	1.45	76.92
58.0-59.0	42.7	4.0	221.7	1.41	78.33
59.0-60.0	41.1	3.9	225.6	1.37	79.70
60.0-61.0	39.5	3.8	229.4	1.33	81.03
61.0-62.0	37.9	3.6	233.0	1.29	82.32
62.0-63.0	36.3	3.5	236.5	1.25	83.57
63.0-64.0	34.6	3.4	239.9	1.20	84.77
64.0-65.0	33.0	3.3	243.2	1.16	85.93
65.0-66.0	31.5	3.1	246.3	1.11	87.03
66.0-67.0	29.9	3.0	249.3	1.06	88.10
67.0-68.0	28.3	2.9	252.2	1.01	89.11
68.0-69.0	26.7	2.7	254.9	0.96	90.07
69.0-70.0	25.1	2.6	257.5	0.91	90.98
70.0-71.0	23.6	2.4	260.0	0.86	91.85
71.0-72.0	22.1	2.3	262.3	0.81	92.66

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 2)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	20.6	2.2	264.4	0.76	93.42
73.0-74.0	19.1	2.0	266.4	0.71	94.13
74.0-75.0	17.6	1.9	268.3	0.66	94.78
75.0-76.0	16.1	1.7	270.0	0.61	95.39
76.0-77.0	14.7	1.6	271.6	0.55	95.94
77.0-78.0	13.3	1.4	273.0	0.50	96.45
78.0-79.0	11.9	1.3	274.3	0.45	96.90
79.0-80.0	10.6	1.1	275.4	0.40	97.31
80.0-81.0	9.3	1.0	276.4	0.36	97.66
81.0-82.0	8.1	0.9	277.3	0.31	97.97
82.0-83.0	6.9	0.7	278.0	0.26	98.24
83.0-84.0	5.8	0.6	278.7	0.22	98.46
84.0-85.0	4.7	0.5	279.2	0.18	98.64
85.0-86.0	3.6	0.4	279.6	0.14	98.78
86.0-87.0	2.7	0.3	279.9	0.10	98.88
87.0-88.0	1.8	0.2	280.1	0.07	98.95
88.0-89.0	1.0	0.1	280.2	0.04	98.99
89.0-90.0	0.5	0.1	280.2	0.02	99.01
90.0-91.0	0.2	0.0	280.2	0.01	99.01
91.0-92.0	0.2	0.0	280.3	0.01	99.02
92.0-93.0	0.2	0.0	280.3	0.01	99.03
93.0-94.0	0.2	0.0	280.3	0.01	99.03
94.0-95.0	0.2	0.0	280.3	0.01	99.04
95.0-96.0	0.2	0.0	280.3	0.01	99.05
96.0-97.0	0.2	0.0	280.4	0.01	99.05
97.0-98.0	0.2	0.0	280.4	0.01	99.06
98.0-99.0	0.2	0.0	280.4	0.01	99.07
99.0-100.0	0.2	0.0	280.4	0.01	99.08
100.0-101.0	0.2	0.0	280.4	0.01	99.08
101.0-102.0	0.2	0.0	280.5	0.01	99.09
102.0-103.0	0.2	0.0	280.5	0.01	99.10
103.0-104.0	0.2	0.0	280.5	0.01	99.11
104.0-105.0	0.2	0.0	280.5	0.01	99.12
105.0-106.0	0.3	0.0	280.6	0.01	99.13
106.0-107.0	0.3	0.0	280.6	0.01	99.14
107.0-108.0	0.3	0.0	280.6	0.01	99.15

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	0.3	0.0	280.7	0.01	99.16
109.0-110.0	0.3	0.0	280.7	0.01	99.17
110.0-111.0	0.3	0.0	280.7	0.01	99.18
111.0-112.0	0.3	0.0	280.8	0.01	99.20
112.0-113.0	0.3	0.0	280.8	0.01	99.21
113.0-114.0	0.4	0.0	280.8	0.01	99.22
114.0-115.0	0.4	0.0	280.9	0.01	99.23
115.0-116.0	0.4	0.0	280.9	0.01	99.25
116.0-117.0	0.4	0.0	280.9	0.01	99.26
117.0-118.0	0.4	0.0	281.0	0.01	99.27
118.0-119.0	0.4	0.0	281.0	0.01	99.29
119.0-120.0	0.4	0.0	281.1	0.01	99.30
120.0-121.0	0.4	0.0	281.1	0.01	99.31
121.0-122.0	0.4	0.0	281.1	0.01	99.33
122.0-123.0	0.5	0.0	281.2	0.01	99.34
123.0-124.0	0.5	0.0	281.2	0.01	99.36
124.0-125.0	0.5	0.0	281.3	0.02	99.37
125.0-126.0	0.5	0.0	281.3	0.02	99.39
126.0-127.0	0.5	0.0	281.3	0.02	99.40
127.0-128.0	0.5	0.0	281.4	0.02	99.42
128.0-129.0	0.5	0.0	281.4	0.02	99.44
129.0-130.0	0.5	0.0	281.5	0.02	99.45
130.0-131.0	0.5	0.0	281.5	0.02	99.47
131.0-132.0	0.5	0.0	281.6	0.02	99.48
132.0-133.0	0.6	0.0	281.6	0.02	99.50
133.0-134.0	0.6	0.0	281.7	0.02	99.52
134.0-135.0	0.6	0.0	281.7	0.02	99.53
135.0-136.0	0.6	0.0	281.8	0.02	99.55
136.0-137.0	0.6	0.0	281.8	0.02	99.56
137.0-138.0	0.6	0.0	281.8	0.02	99.58
138.0-139.0	0.6	0.0	281.9	0.02	99.60
139.0-140.0	0.6	0.0	281.9	0.02	99.61
140.0-141.0	0.6	0.0	282.0	0.02	99.63
141.0-142.0	0.7	0.0	282.0	0.02	99.64
142.0-143.0	0.7	0.0	282.1	0.02	99.66
143.0-144.0	0.7	0.0	282.1	0.02	99.67

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 4)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	0.7	0.0	282.2	0.02	99.69
145.0-146.0	0.7	0.0	282.2	0.01	99.70
146.0-147.0	0.7	0.0	282.2	0.01	99.72
147.0-148.0	0.7	0.0	282.3	0.01	99.73
148.0-149.0	0.7	0.0	282.3	0.01	99.75
149.0-150.0	0.7	0.0	282.4	0.01	99.76
150.0-151.0	0.7	0.0	282.4	0.01	99.78
151.0-152.0	0.7	0.0	282.4	0.01	99.79
152.0-153.0	0.7	0.0	282.5	0.01	99.80
153.0-154.0	0.7	0.0	282.5	0.01	99.82
154.0-155.0	0.8	0.0	282.5	0.01	99.83
155.0-156.0	0.8	0.0	282.6	0.01	99.84
156.0-157.0	0.8	0.0	282.6	0.01	99.85
157.0-158.0	0.8	0.0	282.7	0.01	99.87
158.0-159.0	0.8	0.0	282.7	0.01	99.88
159.0-160.0	0.8	0.0	282.7	0.01	99.89
160.0-161.0	0.8	0.0	282.7	0.01	99.90
161.0-162.0	0.8	0.0	282.8	0.01	99.91
162.0-163.0	0.8	0.0	282.8	0.01	99.92
163.0-164.0	0.8	0.0	282.8	0.01	99.93
164.0-165.0	0.8	0.0	282.8	0.01	99.94
165.0-166.0	0.8	0.0	282.9	0.01	99.94
166.0-167.0	0.8	0.0	282.9	0.01	99.95
167.0-168.0	0.8	0.0	282.9	0.01	99.96
168.0-169.0	0.8	0.0	282.9	0.01	99.96
169.0-170.0	0.9	0.0	282.9	0.01	99.97
170.0-171.0	0.9	0.0	283.0	0.01	99.98
171.0-172.0	0.9	0.0	283.0	0.00	99.98
172.0-173.0	0.9	0.0	283.0	0.00	99.99
173.0-174.0	0.9	0.0	283.0	0.00	99.99
174.0-175.0	0.9	0.0	283.0	0.00	99.99
175.0-176.0	0.9	0.0	283.0	0.00	100.00
176.0-177.0	0.9	0.0	283.0	0.00	100.00
177.0-178.0	0.9	0.0	283.0	0.00	100.00
178.0-179.0	0.9	0.0	283.0	0.00	100.00
179.0-180.0	0.9	0.0	283.0	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: