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

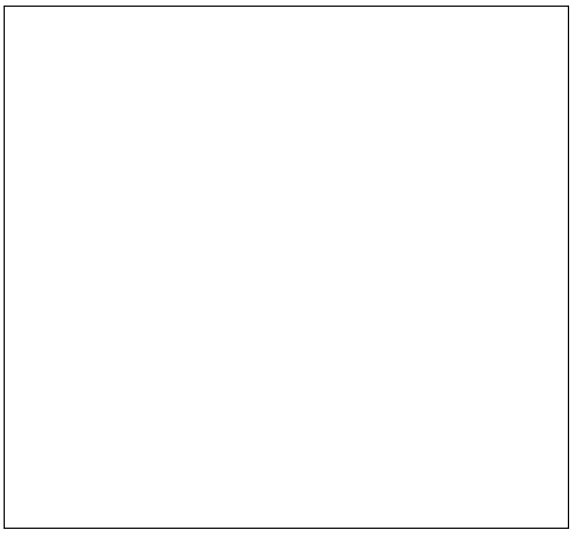
Luminaire Property

Luminaire Manufacturer: Acolyte
Luminaire Category: HEXANODE RGB2700K-2W-UCS8904- Red only
Luminaire Description: CLEAR FLAT IP67 **Lamp Catalog: NODE**
Lamp Description: 3 nodes **RED** **Luminous Length (mm): 250**
Luminous Width (mm): 50 **Luminous Height (mm): 30**
Voltage: 24.0 V **Current: 0.083 A**
Power: 1.99 W **Power Factor: 1.000**

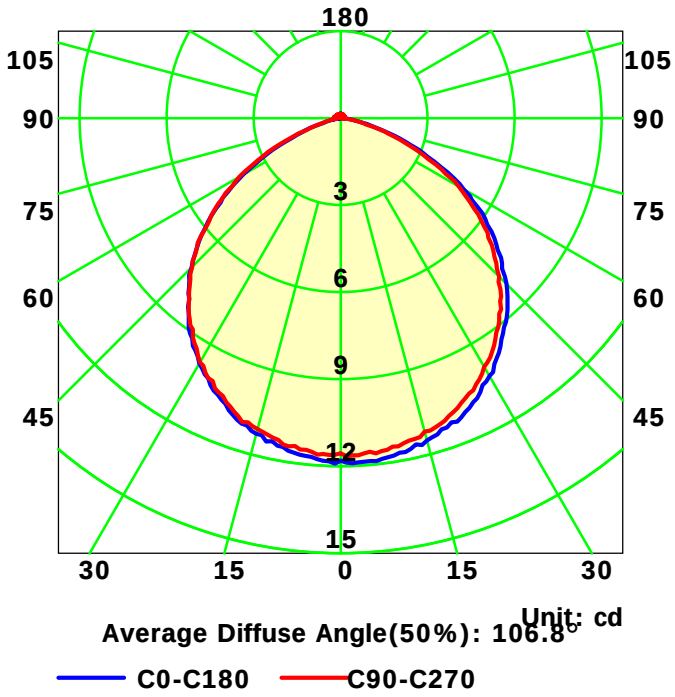
Photometric Results

CIE Class: Direct **Total Rated Lamp Lumens: 32.5 lm**
Measurement Flux: 32.5 lm **Efficiency: 100%**
Downward Ratio: 98% **Upward Ratio: 2%**
Horizontal Diffuse Angle(10%,50%): H146.9,H107.1
Vertical Diffuse Angle(10%,50%): V146.5,V106.6
Luminaire Efficacy Rating (LER): 16 **Central Intensity: 12.58 cd**
Max. Intensity: 12.69 cd **Pos of Max. Intensity: H0 V2**

Picture Of Luminaire

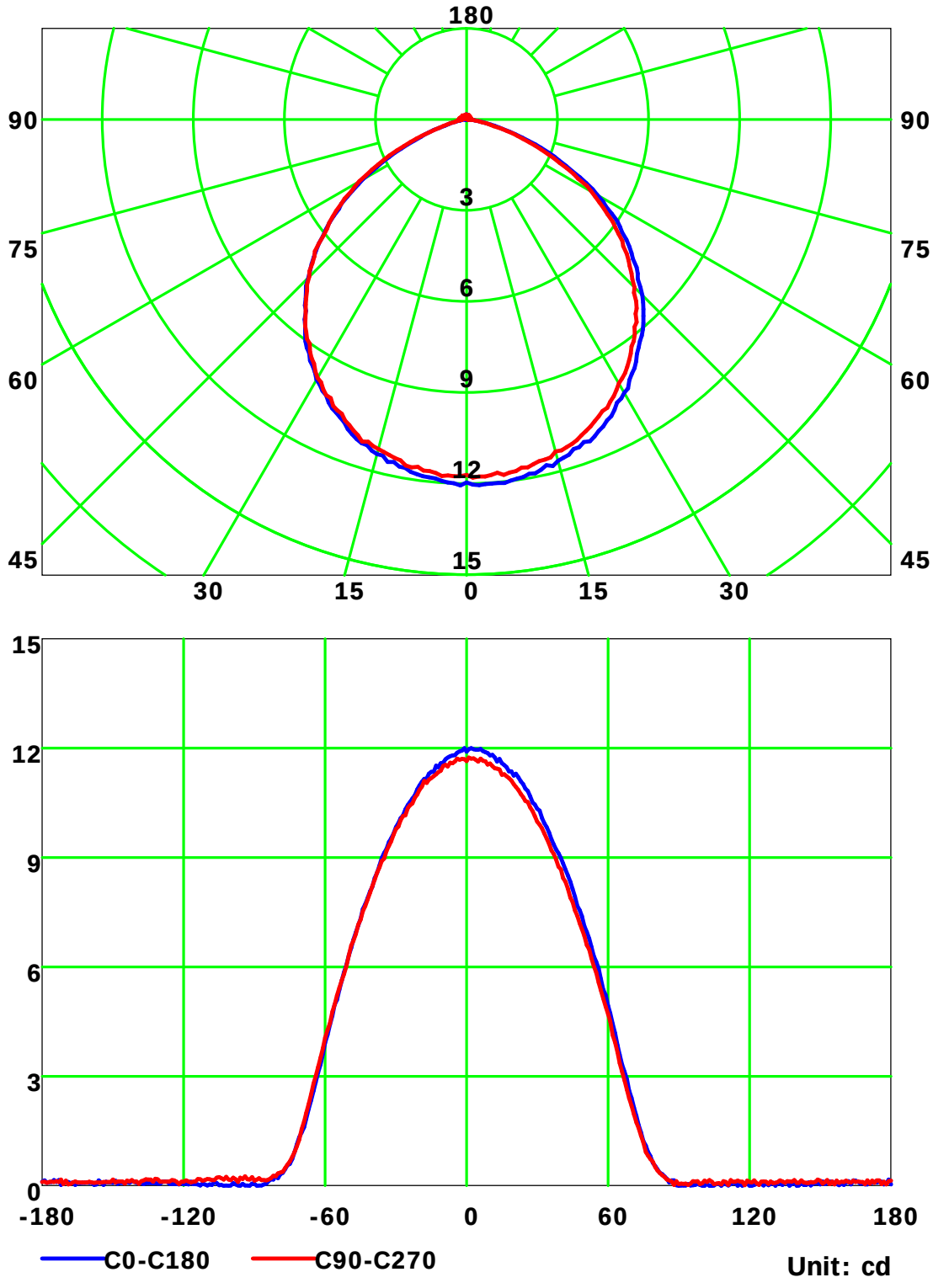


Luminous Intensity Distribution Curve



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:
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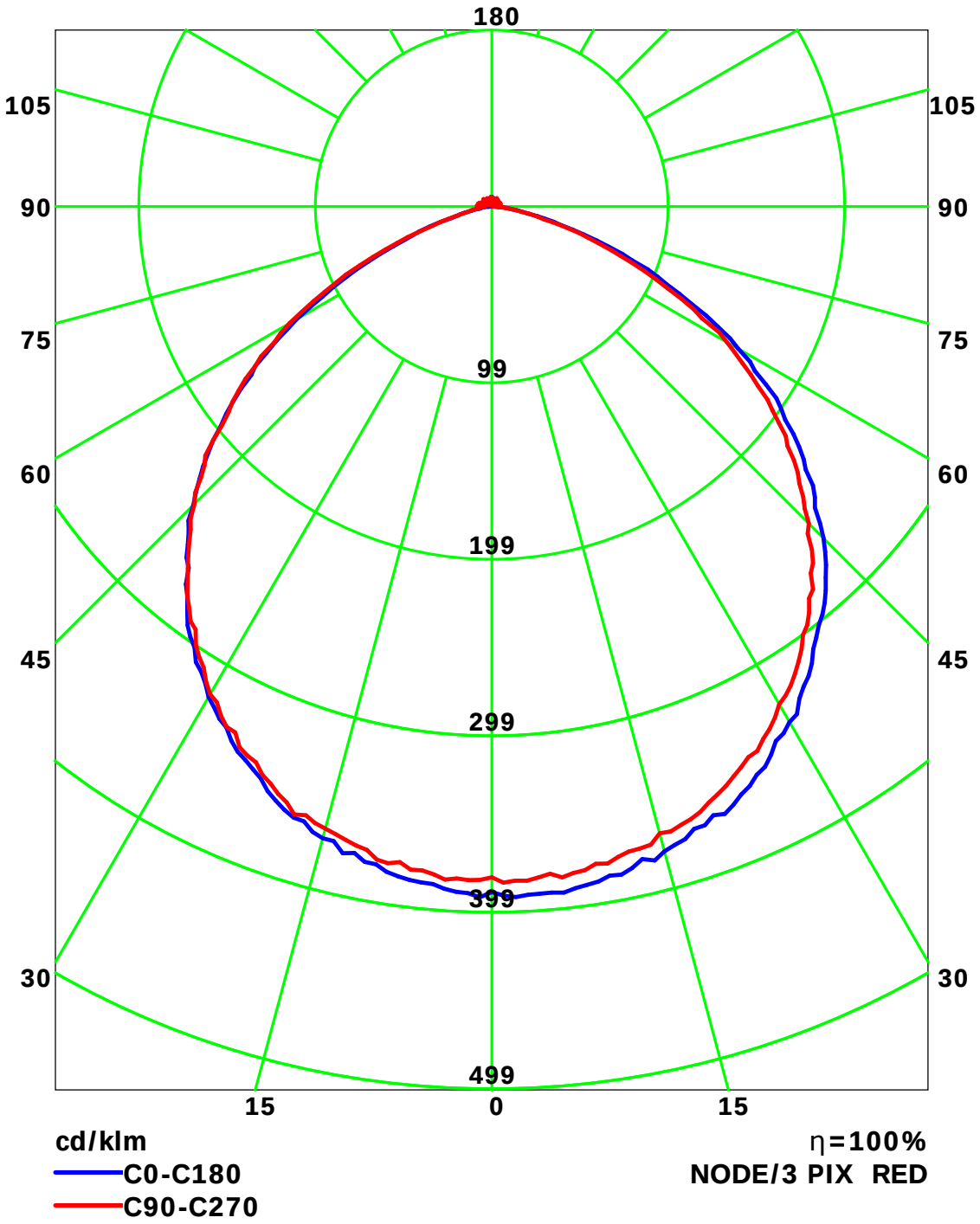
Temperature: 25
Operator: Jacky

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
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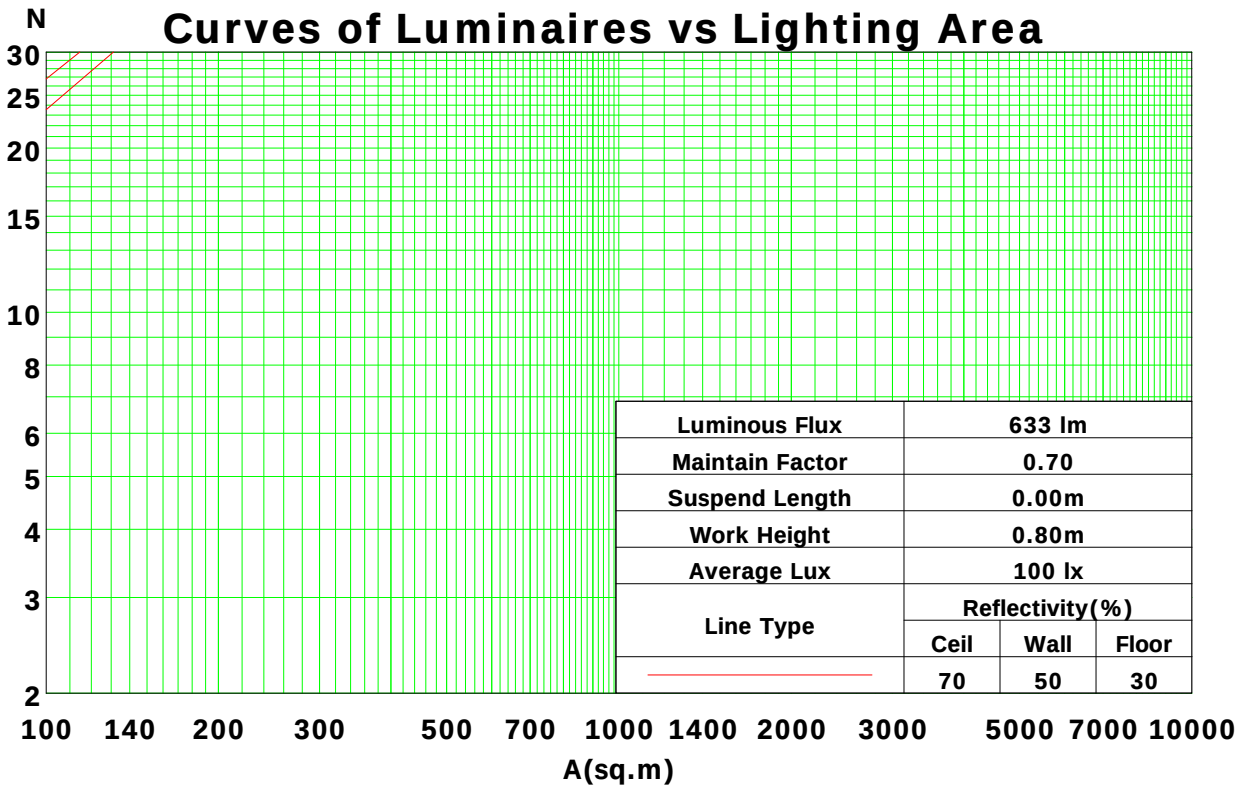
Inspector:

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	110	110	110	105	105	105	100	100	100	98
1	110	105	101	98	107	103	99	96	98	95	93	94	92	90	90	88	87	85
2	100	93	87	81	98	91	85	80	87	82	78	83	79	76	80	77	74	72
3	92	82	74	68	89	80	73	68	77	71	66	74	69	65	71	67	64	61
4	84	73	65	58	82	72	64	58	69	62	57	66	61	56	64	59	55	53
5	78	65	57	51	76	64	56	50	62	55	49	60	54	49	58	52	48	46
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	52	47	42	40
7	67	54	45	39	65	53	45	39	51	44	39	49	43	38	48	42	38	36
8	62	49	41	35	60	48	40	35	47	40	35	45	39	34	44	38	34	32
9	58	45	37	32	56	44	37	31	43	36	31	42	35	31	41	35	31	29
10	54	41	34	29	53	41	33	29	40	33	28	39	32	28	38	32	28	26

Spacing Criteria (0-180): 1.25
Spacing Criteria (90-270): 1.26
Spacing Criteria (Diagonal): 1.35

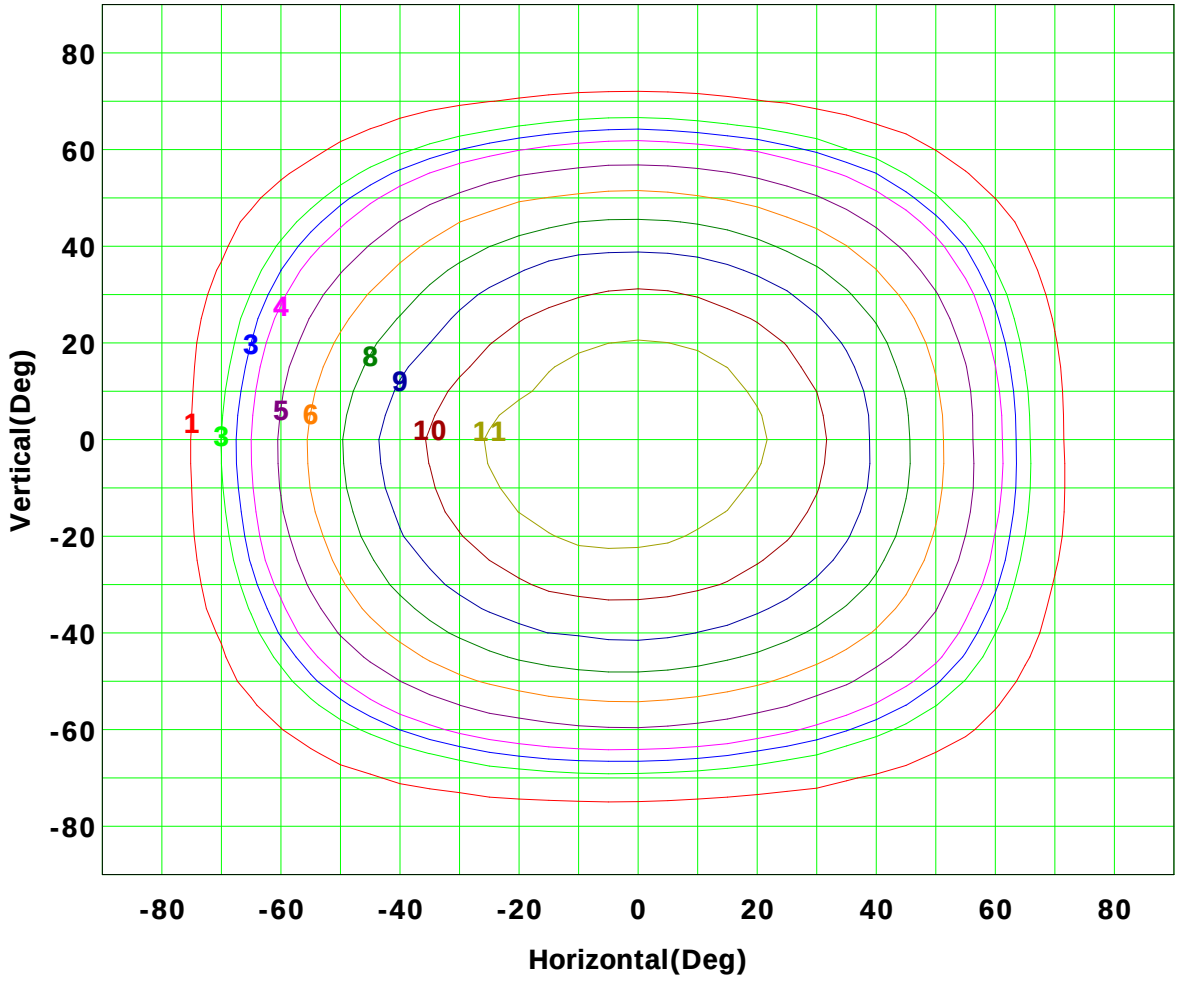
Curves of Luminaires vs Lighting Area



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)



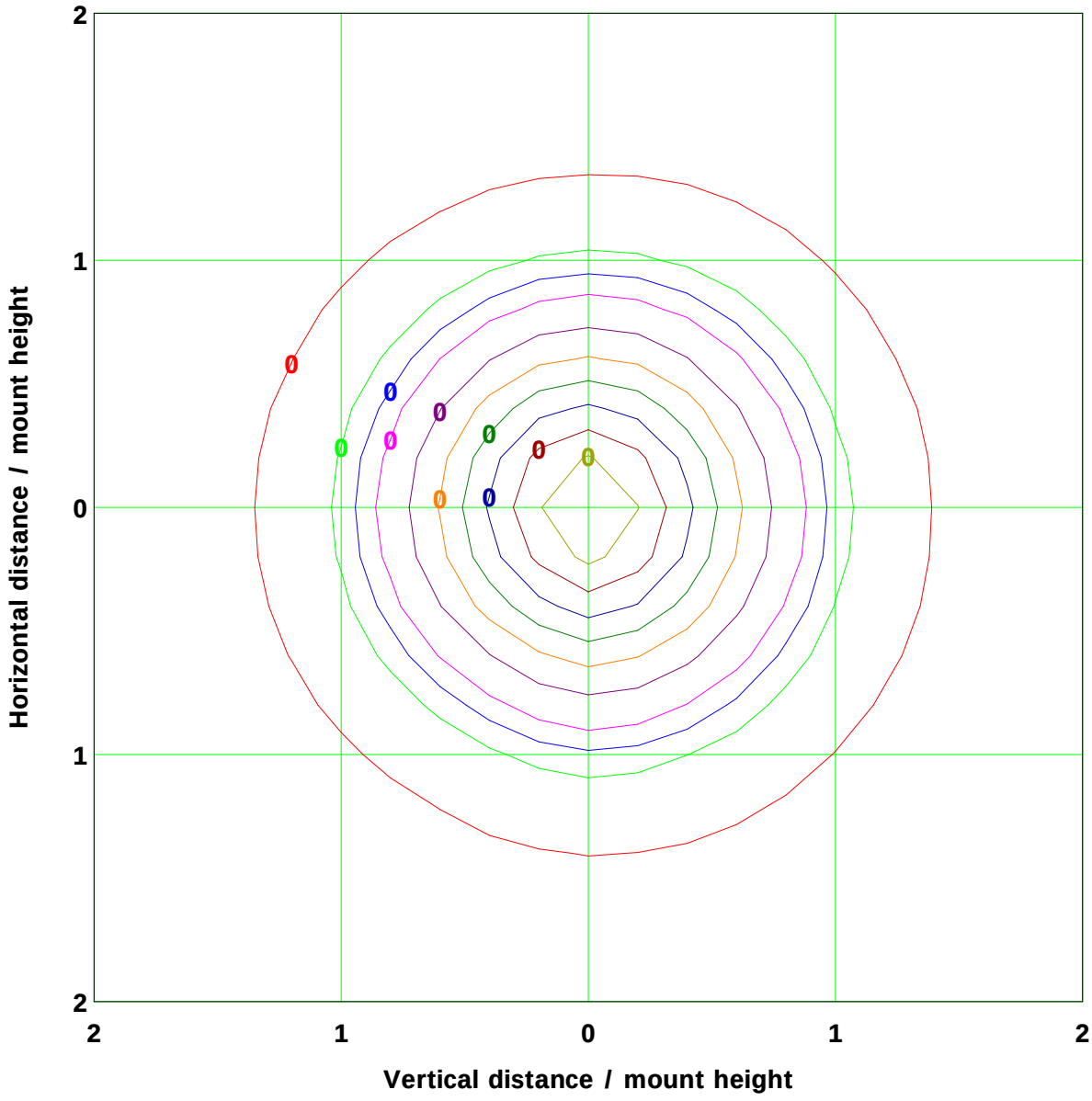
Imax (100%): 13 cd

(10%):	1 cd	(20%):	3 cd
(25%):	3 cd	(30%):	4 cd
(40%):	5 cd	(50%):	6 cd
(60%):	8 cd	(70%):	9 cd
(80%):	10 cd	(90%):	11 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%): 0.5 lx

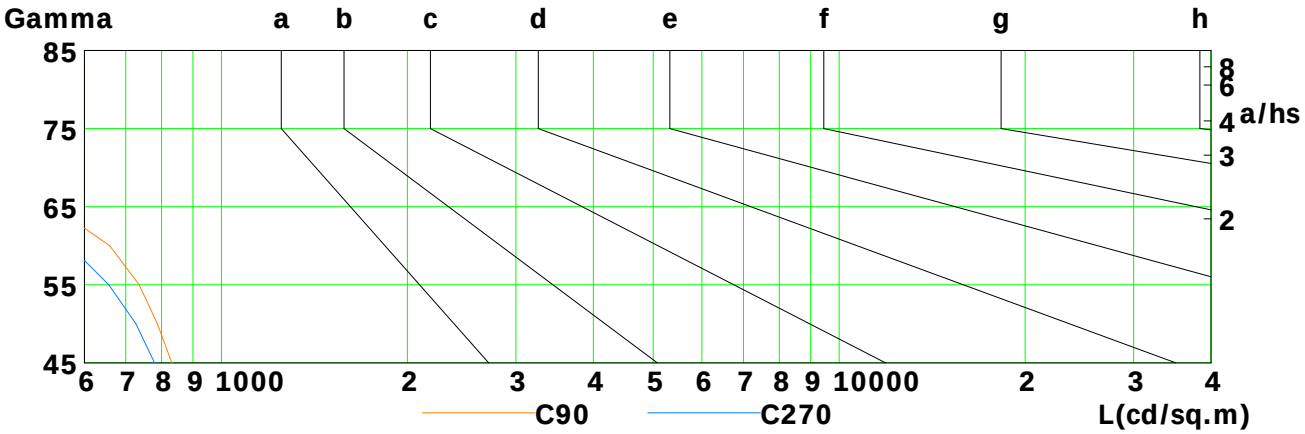
(10%): 0.1 lx	(20%): 0.1 lx
(25%): 0.1 lx	(30%): 0.2 lx
(40%): 0.2 lx	(50%): 0.3 lx
(60%): 0.3 lx	(70%): 0.4 lx
(80%): 0.4 lx	(90%): 0.5 lx

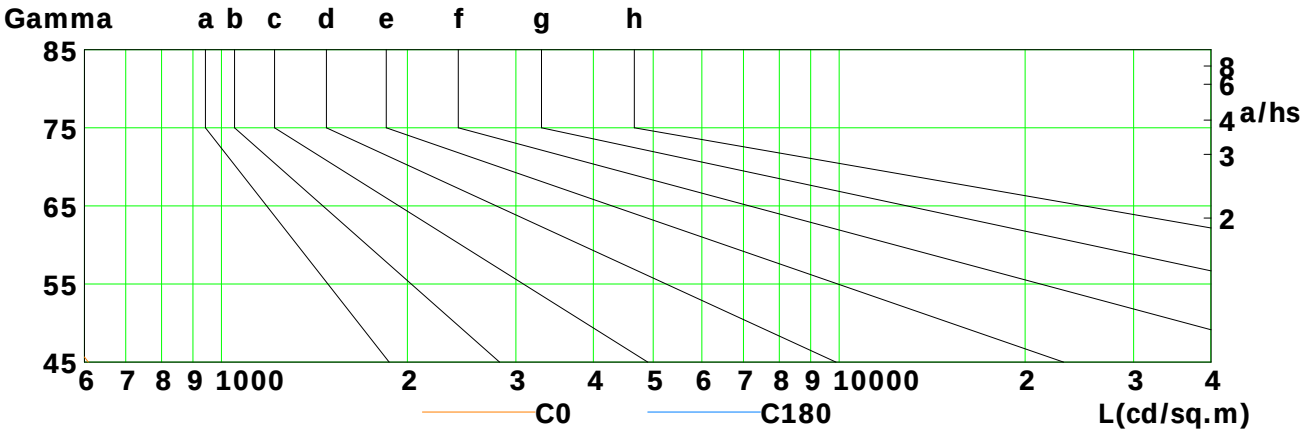
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

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

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



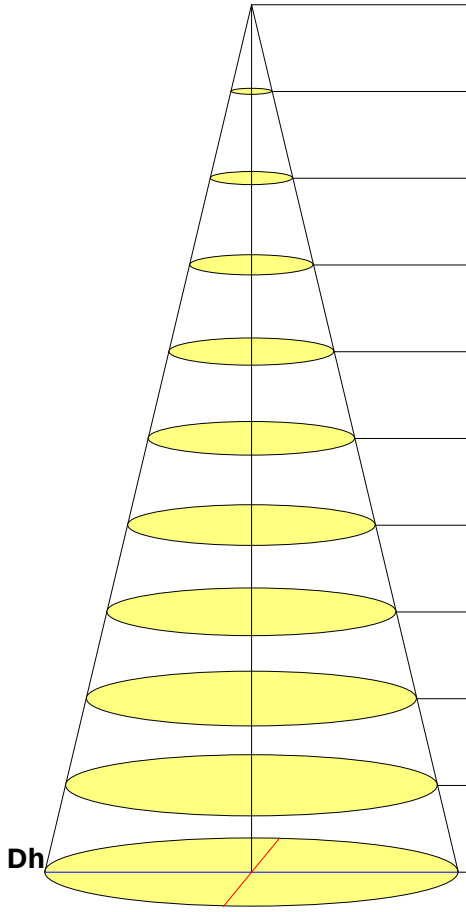


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	609	546	487	410	315	225	123	60	25
C90	831	788	736	660	536	408	267	148	70
C180	548	485	405	326	228	137	61	23	8
C270	780	727	657	568	446	288	152	99	62

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



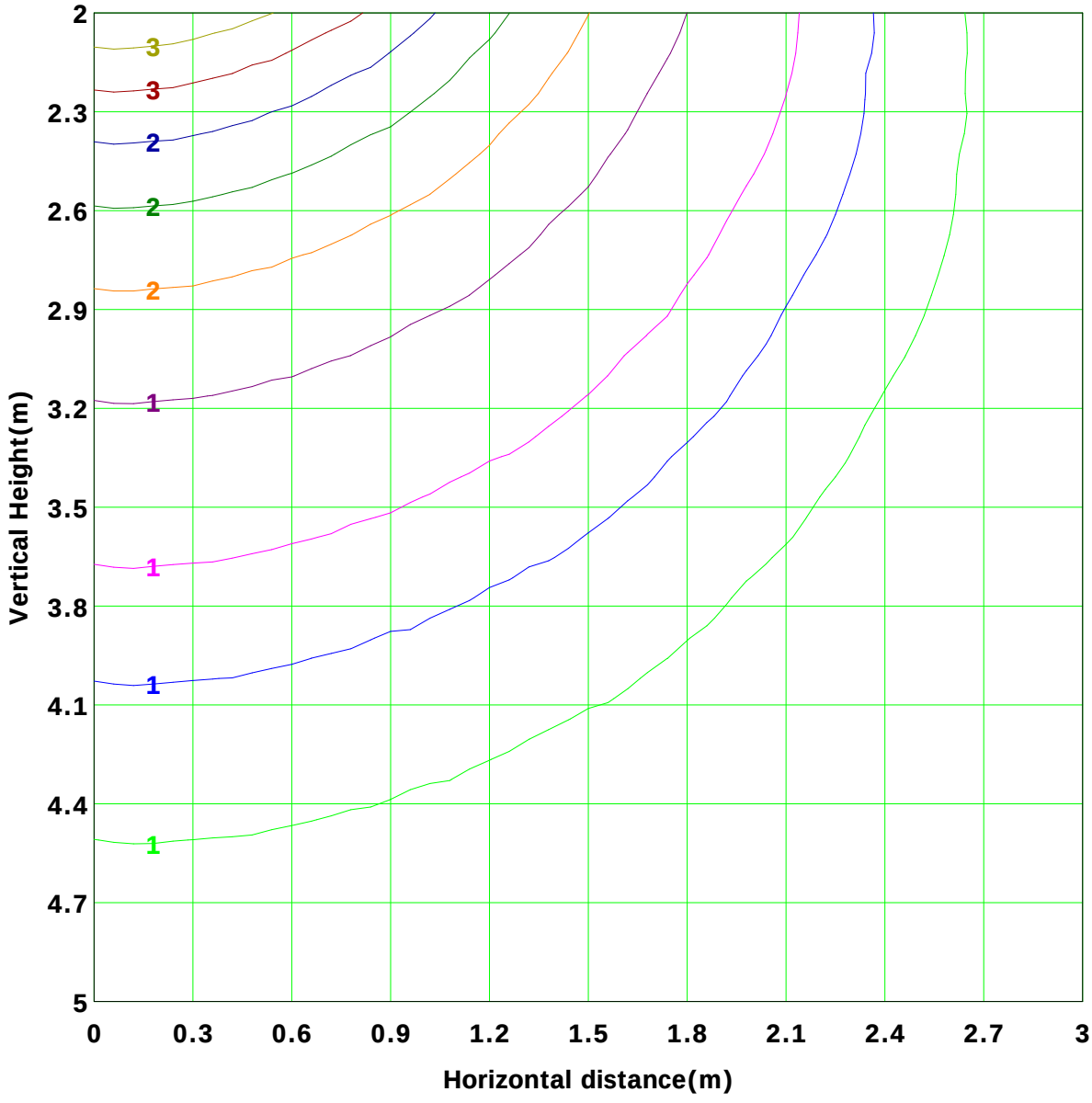
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	12.58	2.71/2.68	5.8	2.28
2.0	3.14	5.41/5.37	23.2	0.57
3.0	1.40	8.12/8.05	52.2	0.25
4.0	0.79	10.83/10.74	92.9	0.14
5.0	0.50	13.53/13.42	145.1	0.09
6.0	0.35	16.24/16.10	209.0	0.06
7.0	0.26	18.95/18.79	284.4	0.05
8.0	0.20	21.65/21.47	371.5	0.04
9.0	0.16	24.36/24.16	470.2	0.03
10.0	0.13	27.07/26.84	580.4	0.02

Beam Angle(B): H107.1 V106.6 Field Angle(F): H146.9 V146.5

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: 3.2 lx

(10%):	0.3 lx	(20%):	0.6 lx
(25%):	0.8 lx	(30%):	0.9 lx
(40%):	1.3 lx	(50%):	1.6 lx
(60%):	1.9 lx	(70%):	2.2 lx
(80%):	2.5 lx	(90%):	2.8 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

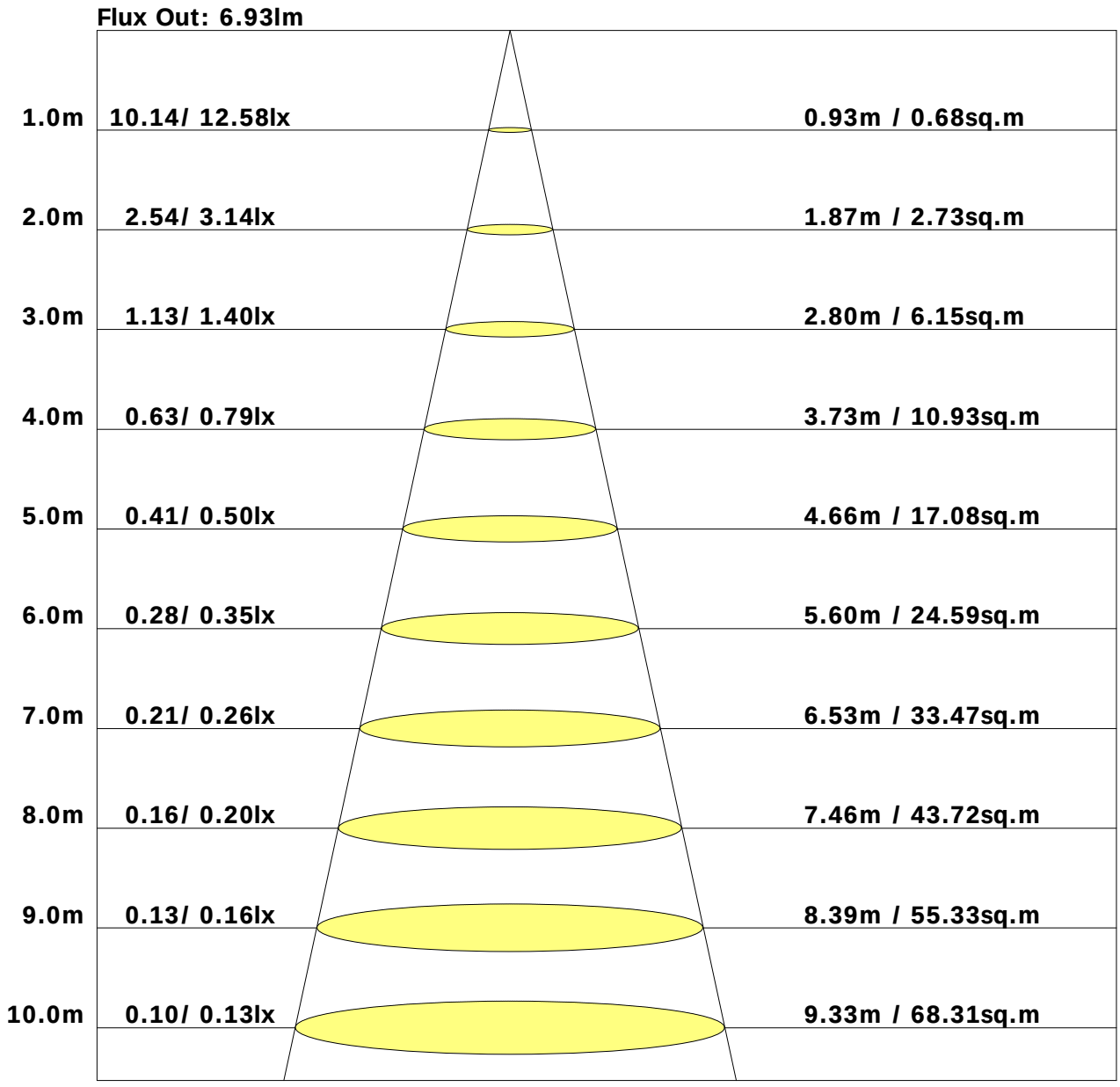
Unit: lm

Horizontal plane	Vertical plane																									
	-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
-80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
-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	0.3	0.3
-60	0.0	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	0.9	0.8
-50	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	1.6	1.5
-40	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	2.3	2.3
-30	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.0	0.0	3.0	3.0
-20	0.0	0.0	0.0	0.1	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.0	3.5	3.5
-10	0.0	0.0	0.0	0.1	0.2	0.3	0.3	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.0	3.8	3.8
0	0.0	0.0	0.0	0.1	0.2	0.3	0.3	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.0	3.8	3.8
10	0.0	0.0	0.0	0.1	0.2	0.3	0.3	0.3	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.0	3.6	3.5
20	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.0	0.0	3.1	3.1
30	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	2.5	2.4
40	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	1.7	1.7
50	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	1.0	1.0
60	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	0.0	0.4	0.4
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	0.0
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
90	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	32	Flux(T)
Flux(E)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Flux(T)	31

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	23.8	22.7	24.1	24.5	21.2	22.7	21.6	23.1	23.5
3H	23.4	24.8	23.8	25.1	25.5	22.1	23.5	22.5	23.8	24.3
4H	23.6	24.9	24.1	25.3	25.7	22.3	23.5	22.7	23.9	24.4
6H	23.7	24.9	24.2	25.3	25.7	22.3	23.5	22.8	23.9	24.3
8H	23.7	24.8	24.2	25.2	25.7	22.3	23.4	22.7	23.8	24.3
12H	23.7	24.7	24.2	25.2	25.7	22.3	23.3	22.7	23.8	24.2
X=4H Y=2H	22.5	23.8	23.0	24.2	24.6	21.7	22.9	22.1	23.3	23.8
3H	23.7	24.8	24.2	25.2	25.7	22.7	23.7	23.1	24.2	24.6
4H	24.0	24.9	24.5	25.4	25.9	22.9	23.8	23.4	24.3	24.8
6H	24.1	24.9	24.6	25.4	25.9	22.9	23.8	23.4	24.2	24.8
8H	24.1	24.9	24.6	25.4	25.9	22.9	23.7	23.4	24.2	24.7
12H	24.1	24.8	24.6	25.3	25.8	22.9	23.6	23.4	24.1	24.6
X=8H Y=4H	24.0	24.7	24.5	25.2	25.7	22.9	23.7	23.4	24.2	24.7
6H	24.1	24.7	24.6	25.3	25.8	23.0	23.6	23.5	24.2	24.7
8H	24.1	24.7	24.7	25.2	25.7	23.0	23.6	23.5	24.1	24.6
12H	24.1	24.6	24.6	25.1	25.7	23.0	23.5	23.5	24.0	24.6
X=12H Y=4H	24.0	24.6	24.5	25.1	25.7	22.9	23.6	23.4	24.1	24.6
6H	24.1	24.6	24.6	25.1	25.7	23.0	23.6	23.5	24.1	24.6
8H	24.1	24.6	24.6	25.1	25.7	23.0	23.5	23.5	24.0	24.6

Calculate in accordance with CIE 190:2010

C Plane (°):0.0-360.0: 30.0
Test Lab:
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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:

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	0.59	0.70	0.78	0.83	0.90	0.95	0.98	1.02	1.05
	0.30		0.52	0.63	0.71	0.76	0.84	0.90	0.93	0.98	1.01
	0.20		0.47	0.58	0.65	0.71	0.80	0.85	0.89	0.95	0.99
0.50	0.50	0.20	0.58	0.68	0.75	0.80	0.86	0.91	0.94	0.98	1.00
	0.30		0.51	0.62	0.69	0.74	0.82	0.87	0.90	0.95	0.97
	0.20		0.46	0.57	0.64	0.70	0.78	0.83	0.87	0.92	0.95
0.30	0.50	0.20	0.56	0.66	0.72	0.77	0.83	0.87	0.90	0.94	0.96
	0.30		0.50	0.60	0.67	0.73	0.79	0.84	0.87	0.91	0.94
	0.20		0.46	0.56	0.63	0.69	0.76	0.81	0.84	0.89	0.92
0.00	0.00	0.00	0.43	0.53	0.60	0.65	0.72	0.77	0.80	0.84	0.87

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 = 1.25								
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	0.94	0.76	0.64	0.55	0.44	0.36	0.30	0.23	0.19
	0.30		0.79	0.65	0.56	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
0.50	0.50	0.20	0.91	0.73	0.61	0.53	0.41	0.37	0.29	0.22	0.18
	0.30		0.77	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	0.16
0.30	0.50	0.20	0.87	0.70	0.58	0.50	0.39	0.32	0.27	0.21	0.17
	0.30		0.75	0.61	0.52	0.45	0.36	0.30	0.26	0.20	0.16
	0.20		0.65	0.55	0.47	0.42	0.34	0.28	0.24	0.19	0.16
0.00	0.00	0.00	0.55	0.45	0.38	0.32	0.26	0.21	0.18	0.14	0.11

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 = 1.25								
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	0.18	0.19	0.20	0.21	0.22	0.22	0.23	0.23	0.24
	0.30		0.11	0.13	0.14	0.15	0.17	0.18	0.19	0.20	0.21
	0.20		0.07	0.09	0.10	0.11	0.14	0.15	0.16	0.18	0.19
0.50	0.50	0.20	0.17	0.18	0.19	0.20	0.21	0.21	0.22	0.22	0.23
	0.30		0.11	0.13	0.14	0.15	0.17	0.18	0.19	0.20	0.21
	0.20		0.07	0.08	0.10	0.11	0.13	0.15	0.16	0.18	0.19
0.30	0.50	0.20	0.17	0.18	0.19	0.19	0.20	0.20	0.21	0.21	0.22
	0.30		0.11	0.13	0.14	0.15	0.16	0.17	0.18	0.19	0.20
	0.20		0.07	0.08	0.10	0.11	0.13	0.14	0.16	0.17	0.18
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: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	12.4	0.0	0.0	0.04	0.04
1.0-2.0	12.4	0.0	0.0	0.11	0.15
2.0-3.0	12.4	0.1	0.1	0.18	0.33
3.0-4.0	12.4	0.1	0.2	0.26	0.59
4.0-5.0	12.4	0.1	0.3	0.33	0.91
5.0-6.0	12.4	0.1	0.4	0.40	1.31
6.0-7.0	12.3	0.2	0.6	0.47	1.79
7.0-8.0	12.3	0.2	0.8	0.54	2.33
8.0-9.0	12.3	0.2	1.0	0.61	2.94
9.0-10.0	12.2	0.2	1.2	0.68	3.62
10.0-11.0	12.2	0.2	1.4	0.75	4.38
11.0-12.0	12.1	0.3	1.7	0.82	5.19
12.0-13.0	12.1	0.3	2.0	0.88	6.08
13.0-14.0	12.0	0.3	2.3	0.95	7.03
14.0-15.0	12.0	0.3	2.6	1.01	8.04
15.0-16.0	11.9	0.3	3.0	1.08	9.11
16.0-17.0	11.8	0.4	3.3	1.14	10.25
17.0-18.0	11.8	0.4	3.7	1.20	11.45
18.0-19.0	11.7	0.4	4.1	1.26	12.70
19.0-20.0	11.6	0.4	4.5	1.31	14.02
20.0-21.0	11.6	0.4	5.0	1.37	15.38
21.0-22.0	11.5	0.5	5.5	1.42	16.80
22.0-23.0	11.4	0.5	5.9	1.47	18.27
23.0-24.0	11.3	0.5	6.4	1.52	19.79
24.0-25.0	11.2	0.5	6.9	1.56	21.35
25.0-26.0	11.0	0.5	7.5	1.61	22.96
26.0-27.0	10.9	0.5	8.0	1.65	24.61
27.0-28.0	10.8	0.5	8.5	1.69	26.30
28.0-29.0	10.7	0.6	9.1	1.72	28.02
29.0-30.0	10.6	0.6	9.7	1.76	29.78
30.0-31.0	10.4	0.6	10.2	1.79	31.57
31.0-32.0	10.3	0.6	10.8	1.82	33.38
32.0-33.0	10.1	0.6	11.4	1.84	35.23
33.0-34.0	10.0	0.6	12.0	1.86	37.09
34.0-35.0	9.8	0.6	12.6	1.88	38.97
35.0-36.0	9.7	0.6	13.3	1.90	40.88

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	9.5	0.6	13.9	1.92	42.79
37.0-38.0	9.4	0.6	14.5	1.93	44.72
38.0-39.0	9.2	0.6	15.1	1.94	46.66
39.0-40.0	9.0	0.6	15.8	1.94	48.61
40.0-41.0	8.9	0.6	16.4	1.95	50.55
41.0-42.0	8.7	0.6	17.0	1.95	52.50
42.0-43.0	8.5	0.6	17.7	1.95	54.45
43.0-44.0	8.3	0.6	18.3	1.94	56.38
44.0-45.0	8.1	0.6	18.9	1.93	58.31
45.0-46.0	7.9	0.6	19.5	1.91	60.22
46.0-47.0	7.7	0.6	20.2	1.89	62.12
47.0-48.0	7.5	0.6	20.8	1.87	63.99
48.0-49.0	7.3	0.6	21.4	1.86	65.85
49.0-50.0	7.1	0.6	22.0	1.83	67.68
50.0-51.0	6.9	0.6	22.5	1.80	69.47
51.0-52.0	6.7	0.6	23.1	1.76	71.24
52.0-53.0	6.5	0.6	23.7	1.73	72.97
53.0-54.0	6.2	0.5	24.2	1.69	74.66
54.0-55.0	6.0	0.5	24.8	1.65	76.31
55.0-56.0	5.8	0.5	25.3	1.60	77.92
56.0-57.0	5.5	0.5	25.8	1.55	79.47
57.0-58.0	5.3	0.5	26.3	1.50	80.97
58.0-59.0	5.0	0.5	26.7	1.44	82.41
59.0-60.0	4.8	0.4	27.2	1.39	83.79
60.0-61.0	4.5	0.4	27.6	1.32	85.12
61.0-62.0	4.2	0.4	28.0	1.26	86.37
62.0-63.0	4.0	0.4	28.4	1.19	87.56
63.0-64.0	3.7	0.4	28.8	1.12	88.68
64.0-65.0	3.4	0.3	29.1	1.04	89.72
65.0-66.0	3.1	0.3	29.4	0.97	90.69
66.0-67.0	2.9	0.3	29.7	0.89	91.58
67.0-68.0	2.6	0.3	30.0	0.82	92.39
68.0-69.0	2.4	0.2	30.2	0.74	93.13
69.0-70.0	2.1	0.2	30.4	0.67	93.80
70.0-71.0	1.9	0.2	30.6	0.60	94.39
71.0-72.0	1.7	0.2	30.8	0.53	94.92

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	1.4	0.2	31.0	0.46	95.39
73.0-74.0	1.2	0.1	31.1	0.40	95.79
74.0-75.0	1.1	0.1	31.2	0.35	96.14
75.0-76.0	0.9	0.1	31.3	0.30	96.44
76.0-77.0	0.8	0.1	31.4	0.25	96.69
77.0-78.0	0.6	0.1	31.4	0.21	96.90
78.0-79.0	0.6	0.1	31.5	0.18	97.09
79.0-80.0	0.5	0.1	31.6	0.16	97.24
80.0-81.0	0.4	0.0	31.6	0.13	97.37
81.0-82.0	0.3	0.0	31.6	0.11	97.48
82.0-83.0	0.3	0.0	31.7	0.09	97.58
83.0-84.0	0.2	0.0	31.7	0.07	97.65
84.0-85.0	0.2	0.0	31.7	0.06	97.71
85.0-86.0	0.1	0.0	31.7	0.05	97.76
86.0-87.0	0.1	0.0	31.7	0.04	97.80
87.0-88.0	0.1	0.0	31.7	0.04	97.84
88.0-89.0	0.1	0.0	31.8	0.03	97.87
89.0-90.0	0.1	0.0	31.8	0.03	97.90
90.0-91.0	0.1	0.0	31.8	0.03	97.93
91.0-92.0	0.1	0.0	31.8	0.03	97.96
92.0-93.0	0.1	0.0	31.8	0.03	97.99
93.0-94.0	0.1	0.0	31.8	0.03	98.02
94.0-95.0	0.1	0.0	31.8	0.03	98.06
95.0-96.0	0.1	0.0	31.8	0.04	98.10
96.0-97.0	0.1	0.0	31.8	0.04	98.13
97.0-98.0	0.1	0.0	31.9	0.04	98.17
98.0-99.0	0.1	0.0	31.9	0.04	98.21
99.0-100.0	0.1	0.0	31.9	0.04	98.24
100.0-101.0	0.1	0.0	31.9	0.04	98.28
101.0-102.0	0.1	0.0	31.9	0.04	98.32
102.0-103.0	0.1	0.0	31.9	0.04	98.37
103.0-104.0	0.1	0.0	31.9	0.04	98.41
104.0-105.0	0.1	0.0	31.9	0.04	98.45
105.0-106.0	0.1	0.0	32.0	0.04	98.49
106.0-107.0	0.1	0.0	32.0	0.04	98.53
107.0-108.0	0.1	0.0	32.0	0.04	98.57

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	0.1	0.0	32.0	0.04	98.61
109.0-110.0	0.1	0.0	32.0	0.04	98.66
110.0-111.0	0.1	0.0	32.0	0.04	98.70
111.0-112.0	0.1	0.0	32.0	0.04	98.73
112.0-113.0	0.1	0.0	32.0	0.04	98.77
113.0-114.0	0.1	0.0	32.1	0.03	98.80
114.0-115.0	0.1	0.0	32.1	0.03	98.84
115.0-116.0	0.1	0.0	32.1	0.03	98.87
116.0-117.0	0.1	0.0	32.1	0.03	98.90
117.0-118.0	0.1	0.0	32.1	0.03	98.93
118.0-119.0	0.1	0.0	32.1	0.03	98.96
119.0-120.0	0.1	0.0	32.1	0.03	98.99
120.0-121.0	0.1	0.0	32.1	0.03	99.01
121.0-122.0	0.1	0.0	32.1	0.03	99.04
122.0-123.0	0.1	0.0	32.1	0.02	99.06
123.0-124.0	0.1	0.0	32.2	0.02	99.09
124.0-125.0	0.1	0.0	32.2	0.03	99.12
125.0-126.0	0.1	0.0	32.2	0.03	99.15
126.0-127.0	0.1	0.0	32.2	0.03	99.18
127.0-128.0	0.1	0.0	32.2	0.03	99.21
128.0-129.0	0.1	0.0	32.2	0.03	99.24
129.0-130.0	0.1	0.0	32.2	0.03	99.27
130.0-131.0	0.1	0.0	32.2	0.03	99.30
131.0-132.0	0.1	0.0	32.2	0.03	99.32
132.0-133.0	0.1	0.0	32.2	0.03	99.35
133.0-134.0	0.1	0.0	32.2	0.03	99.38
134.0-135.0	0.1	0.0	32.3	0.03	99.41
135.0-136.0	0.1	0.0	32.3	0.03	99.43
136.0-137.0	0.1	0.0	32.3	0.03	99.46
137.0-138.0	0.1	0.0	32.3	0.03	99.48
138.0-139.0	0.1	0.0	32.3	0.02	99.51
139.0-140.0	0.1	0.0	32.3	0.02	99.53
140.0-141.0	0.1	0.0	32.3	0.02	99.55
141.0-142.0	0.1	0.0	32.3	0.02	99.57
142.0-143.0	0.1	0.0	32.3	0.02	99.60
143.0-144.0	0.1	0.0	32.3	0.02	99.62

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	0.1	0.0	32.3	0.02	99.64
145.0-146.0	0.1	0.0	32.3	0.02	99.66
146.0-147.0	0.1	0.0	32.3	0.02	99.68
147.0-148.0	0.1	0.0	32.3	0.02	99.70
148.0-149.0	0.1	0.0	32.4	0.02	99.72
149.0-150.0	0.1	0.0	32.4	0.02	99.74
150.0-151.0	0.1	0.0	32.4	0.02	99.75
151.0-152.0	0.1	0.0	32.4	0.02	99.77
152.0-153.0	0.1	0.0	32.4	0.02	99.79
153.0-154.0	0.1	0.0	32.4	0.02	99.80
154.0-155.0	0.1	0.0	32.4	0.02	99.82
155.0-156.0	0.1	0.0	32.4	0.02	99.83
156.0-157.0	0.1	0.0	32.4	0.01	99.85
157.0-158.0	0.1	0.0	32.4	0.01	99.86
158.0-159.0	0.1	0.0	32.4	0.01	99.87
159.0-160.0	0.1	0.0	32.4	0.01	99.89
160.0-161.0	0.1	0.0	32.4	0.01	99.90
161.0-162.0	0.1	0.0	32.4	0.01	99.91
162.0-163.0	0.1	0.0	32.4	0.01	99.92
163.0-164.0	0.1	0.0	32.4	0.01	99.93
164.0-165.0	0.1	0.0	32.4	0.01	99.93
165.0-166.0	0.1	0.0	32.4	0.01	99.94
166.0-167.0	0.1	0.0	32.4	0.01	99.95
167.0-168.0	0.1	0.0	32.4	0.01	99.96
168.0-169.0	0.1	0.0	32.4	0.01	99.96
169.0-170.0	0.1	0.0	32.4	0.01	99.97
170.0-171.0	0.1	0.0	32.4	0.01	99.97
171.0-172.0	0.1	0.0	32.4	0.00	99.98
172.0-173.0	0.1	0.0	32.4	0.00	99.98
173.0-174.0	0.1	0.0	32.4	0.00	99.99
174.0-175.0	0.1	0.0	32.4	0.00	99.99
175.0-176.0	0.1	0.0	32.4	0.00	99.99
176.0-177.0	0.1	0.0	32.4	0.00	100.00
177.0-178.0	0.1	0.0	32.4	0.00	100.00
178.0-179.0	0.1	0.0	32.4	0.00	100.00
179.0-180.0	0.1	0.0	32.4	0.00	100.00

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

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