GENLED Brands
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Fax:

Report No.: **Test Time: 2023/2/21 16:04**

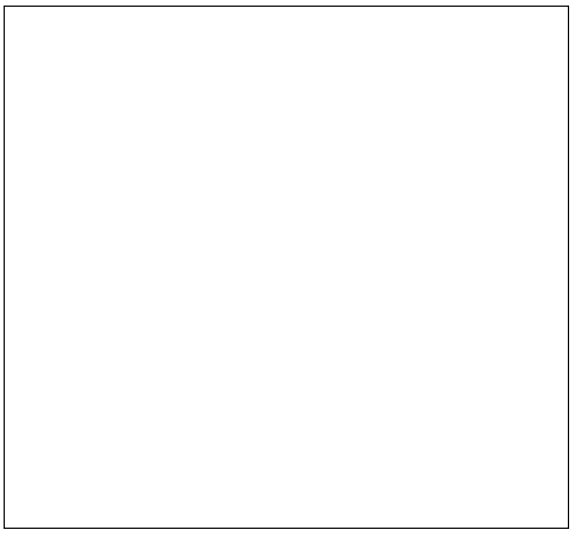
Luminaire Property

Luminaire Manufacturer: ACOLYTE
Luminaire Category: WALL WASHER
Luminaire Description: FORTEACNS12RGBW4020x45-WHITE ON
Luminous Length (mm): 330 **Luminous Width (mm): 96**
Luminous Height (mm): 162.5 **Voltage: 219.2 V**
Current: 0.105 A **Power: 9.58 W**
Power Factor: 0.415

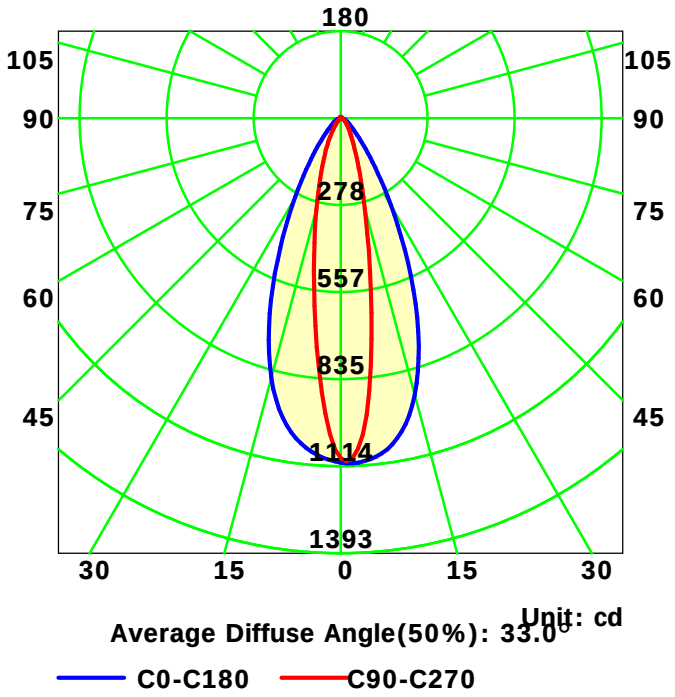
Photometric Results

CIE Class: Direct **Total Rated Lamp Lumens: 468.8 lm**
Measurement Flux: 468.8 lm **Efficiency: 100%**
Downward Ratio: 97% **Upward Ratio: 3%**
Horizontal Diffuse Angle(10%,50%): H80.4,H46.7
Vertical Diffuse Angle(10%,50%): V49.8,V19.2
Luminaire Efficacy Rating (LER): 49 **Central Intensity: 1102.99 cd**
Max. Intensity: 1105.45 cd **Pos of Max. Intensity: H0 V2**

Picture Of Luminaire

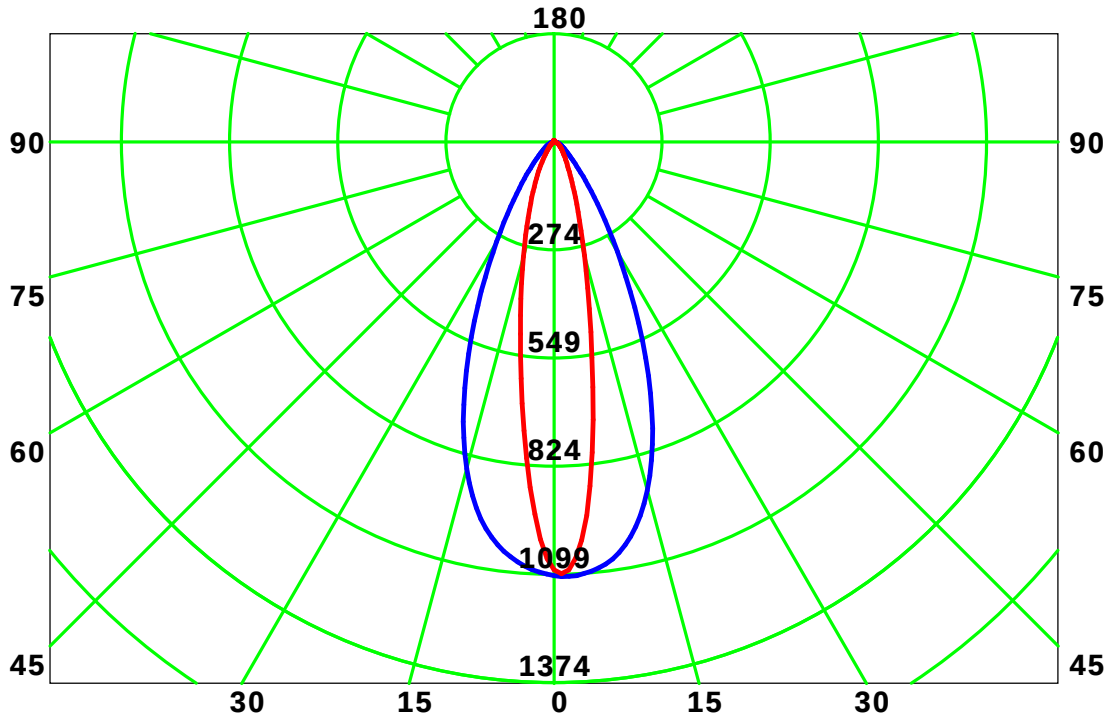


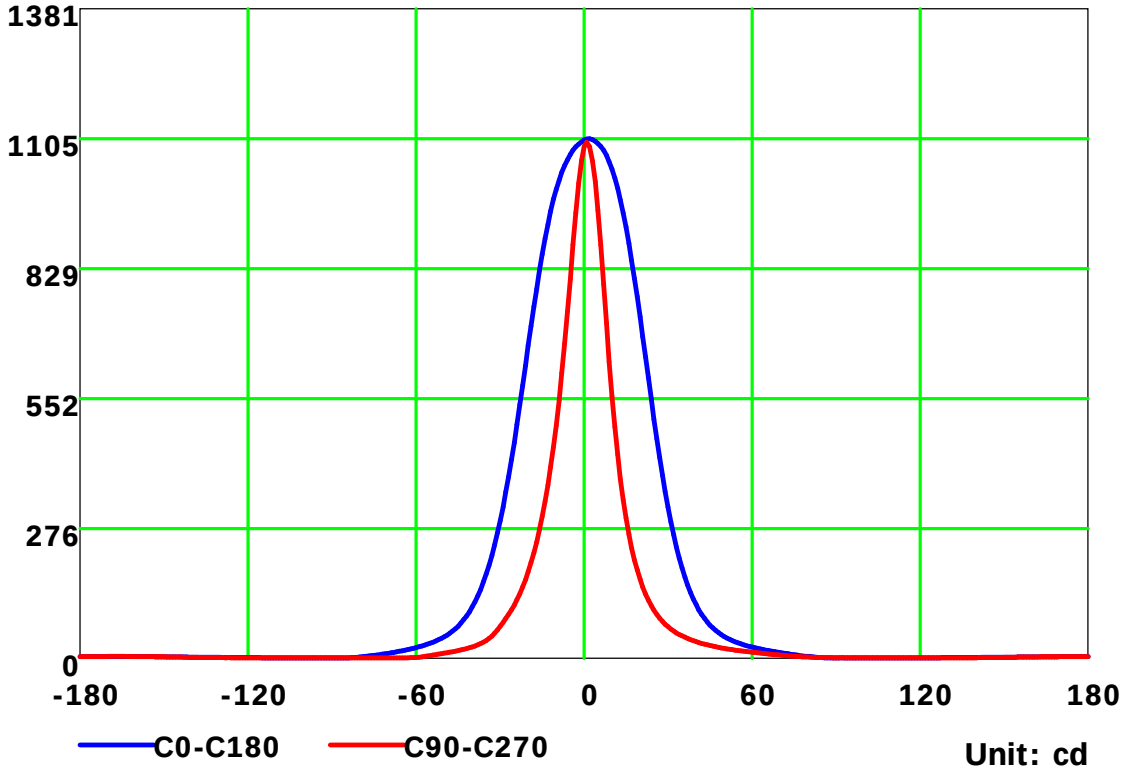
Luminous Intensity Distribution Curve



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





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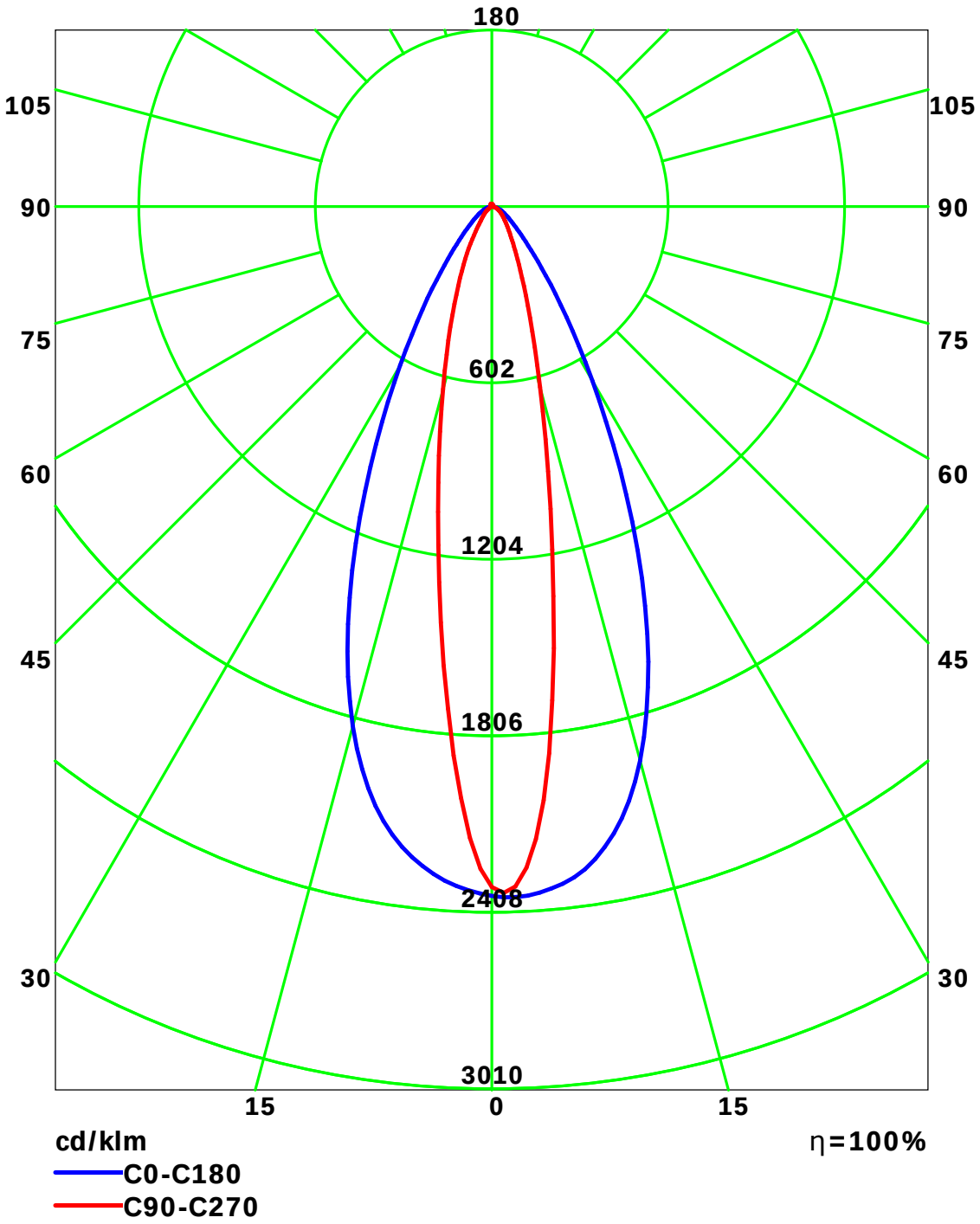
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

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

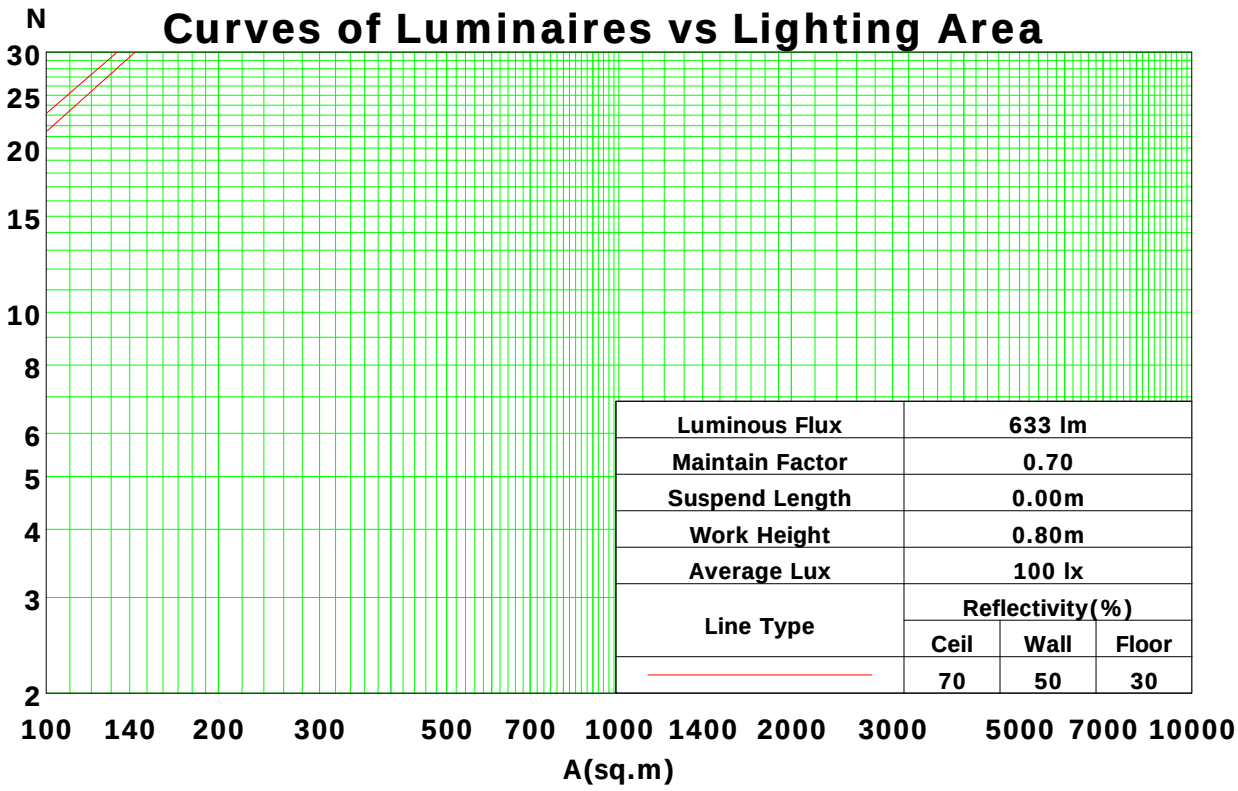
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

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	109	109	109	104	104	104	99	99	99	97
1	112	109	107	104	110	107	105	102	102	100	99	98	97	95	94	93	92	90
2	107	102	97	94	104	100	96	93	96	93	90	92	90	88	89	87	85	84
3	101	95	90	86	99	93	88	85	90	86	83	87	84	81	84	82	80	78
4	96	89	83	79	94	87	82	78	85	80	77	82	79	76	80	77	75	73
5	92	83	78	73	90	82	77	73	80	75	72	78	74	71	76	73	70	69
6	87	79	73	69	86	78	72	68	76	71	68	74	70	67	73	69	66	65
7	84	75	69	65	82	74	68	64	72	67	64	71	66	63	69	66	63	61
8	80	71	65	61	79	70	65	61	69	64	60	68	63	60	66	62	60	58
9	77	67	62	58	75	67	61	58	66	61	57	65	60	57	64	60	57	55
10	74	64	59	55	73	64	59	55	63	58	55	62	58	55	61	57	54	53

Spacing Criteria (0-180): 0.75
Spacing Criteria (90-270): 0.33
Spacing Criteria (Diagonal): 0.49

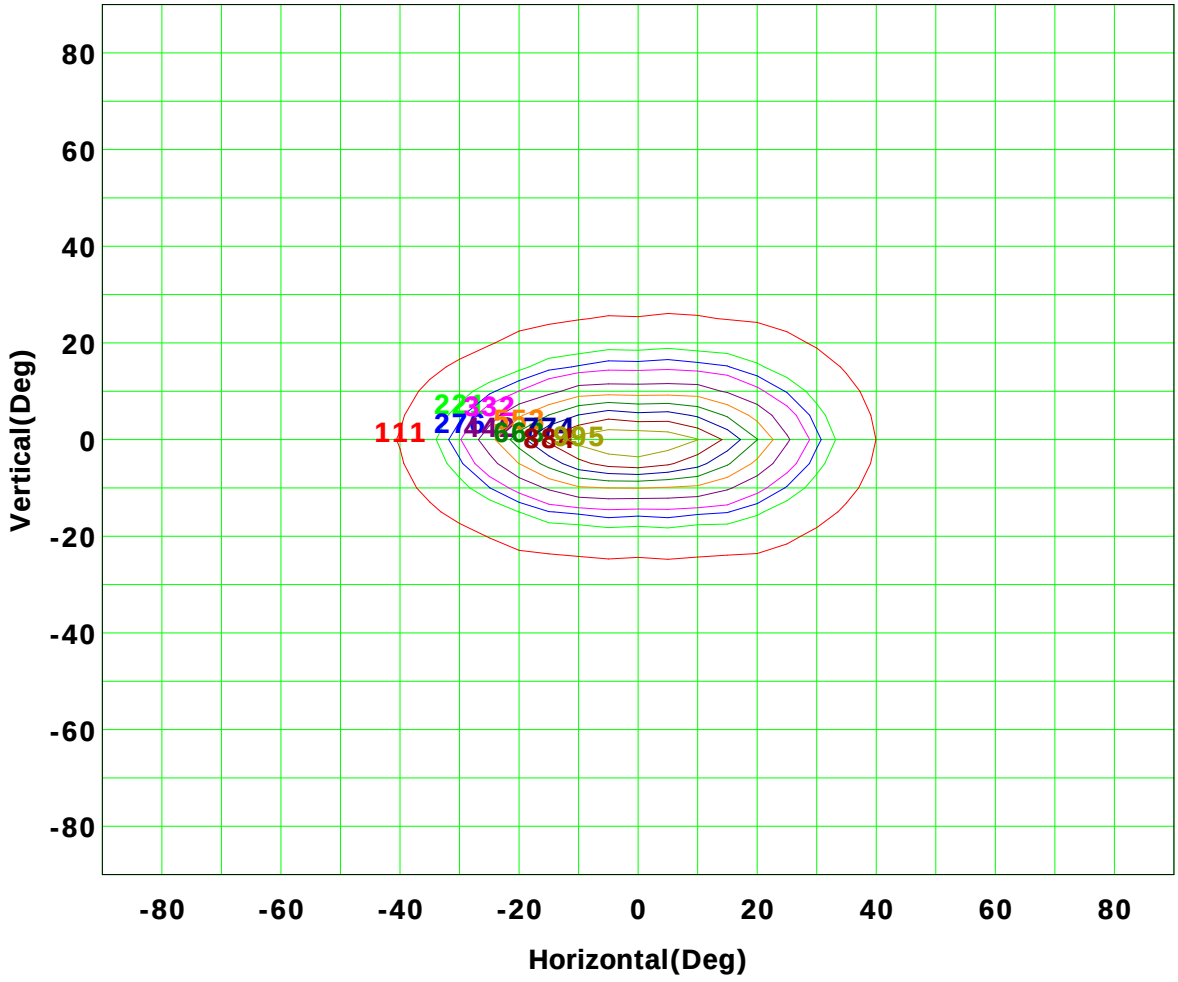
Curves of Luminaires vs Lighting Area



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)



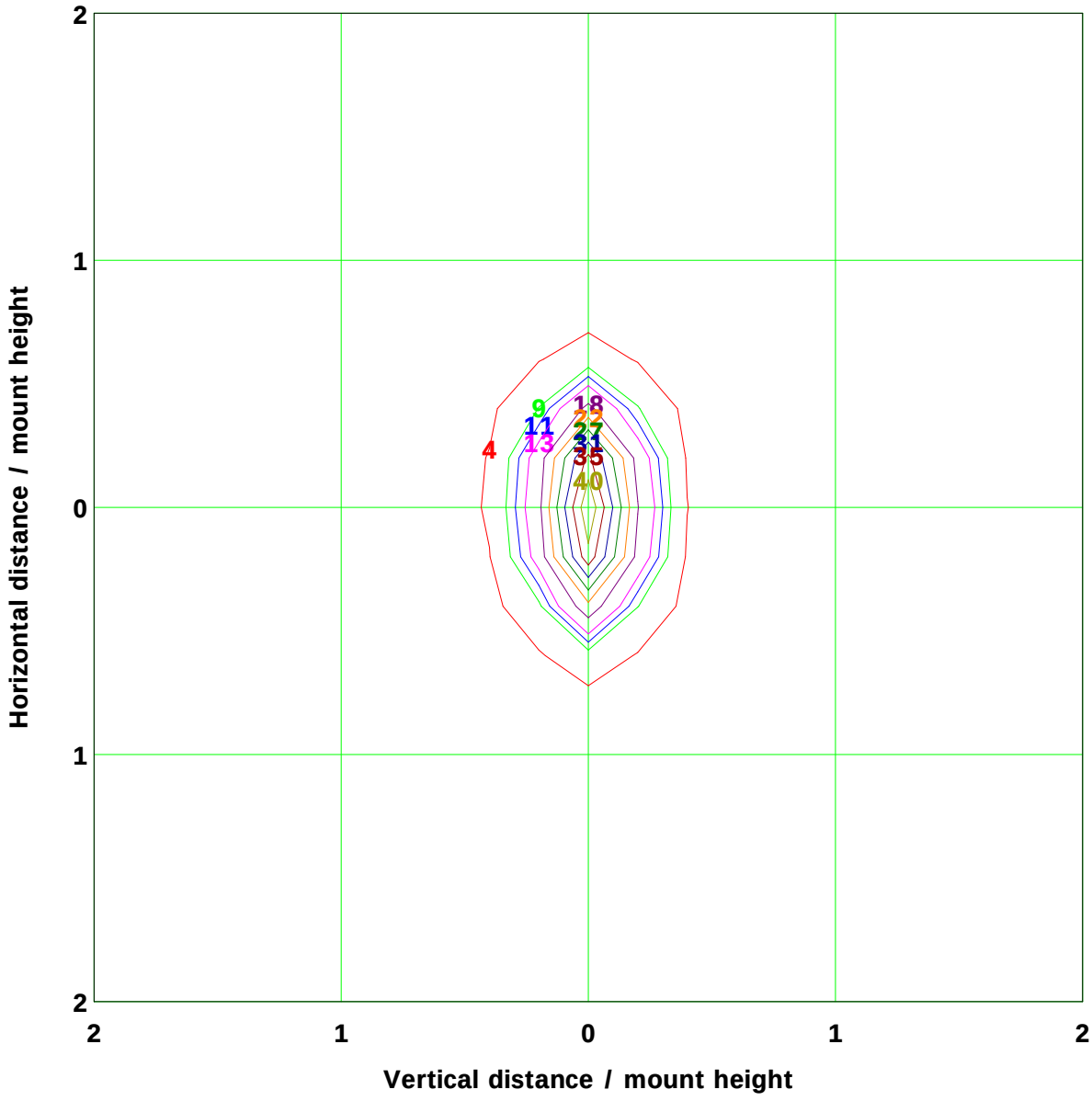
Imax (100%): 1105 cd

(10%):	111 cd	(20%):	221 cd
(25%):	276 cd	(30%):	332 cd
(40%):	442 cd	(50%):	553 cd
(60%):	663 cd	(70%):	774 cd
(80%):	884 cd	(90%):	995 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%): 44.2 lx

(10%): 4.4 lx	(20%): 8.8 lx
(25%): 11.0 lx	(30%): 13.3 lx
(40%): 17.7 lx	(50%): 22.1 lx
(60%): 26.5 lx	(70%): 30.9 lx
(80%): 35.3 lx	(90%): 39.8 lx

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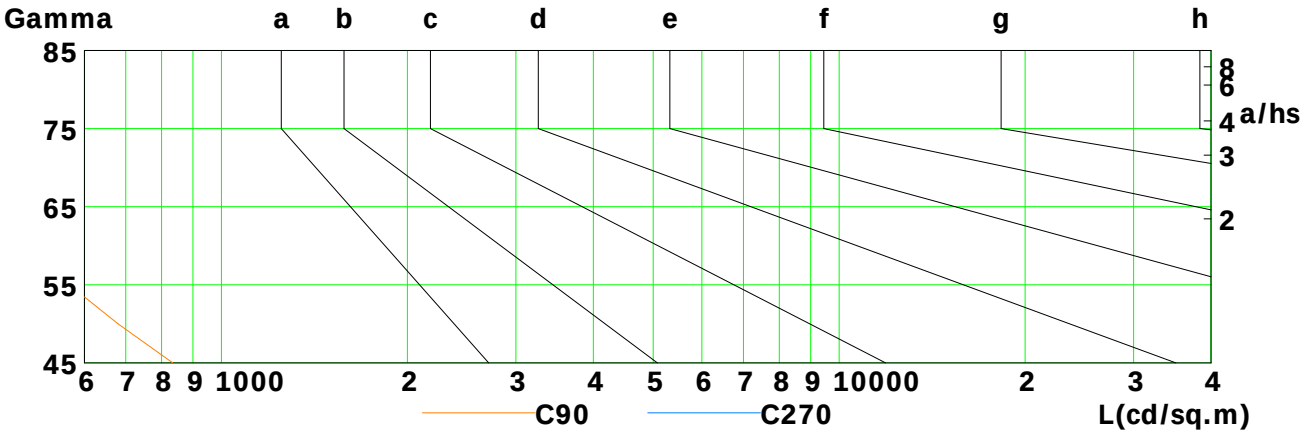
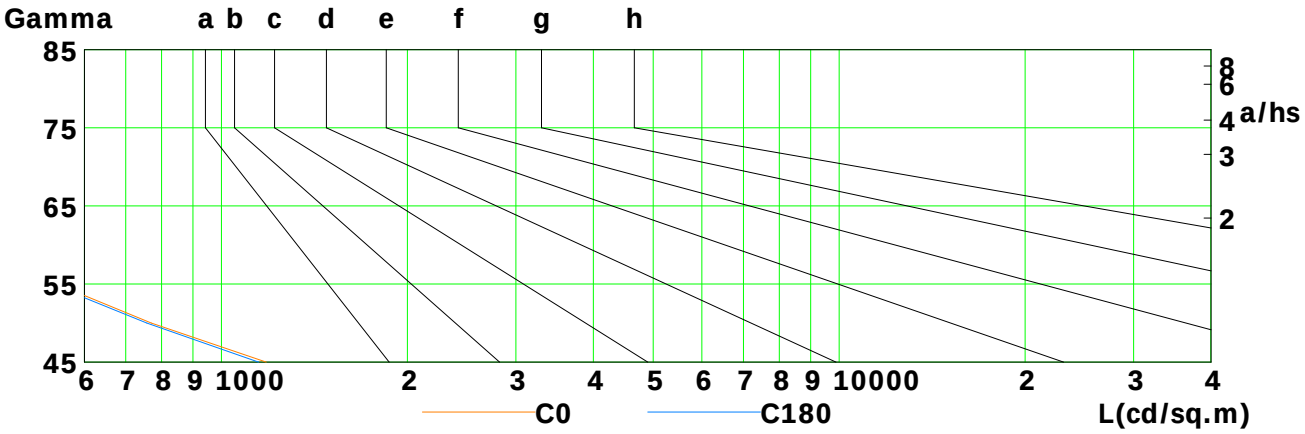
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

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



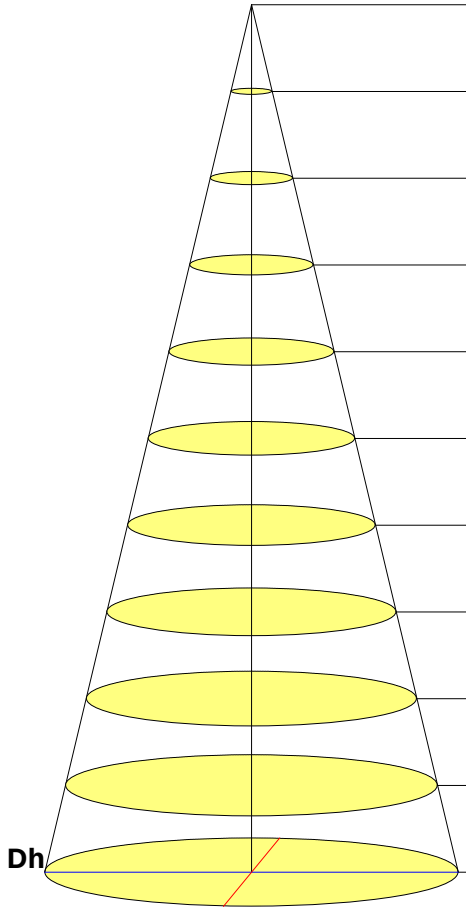


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	1183	770	542	399	295	212	141	82	40
C90	835	681	567	468	384	300	225	164	121
C180	1150	758	530	382	274	189	116	62	32
C270	515	359	213	92	65	62	67	76	91

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



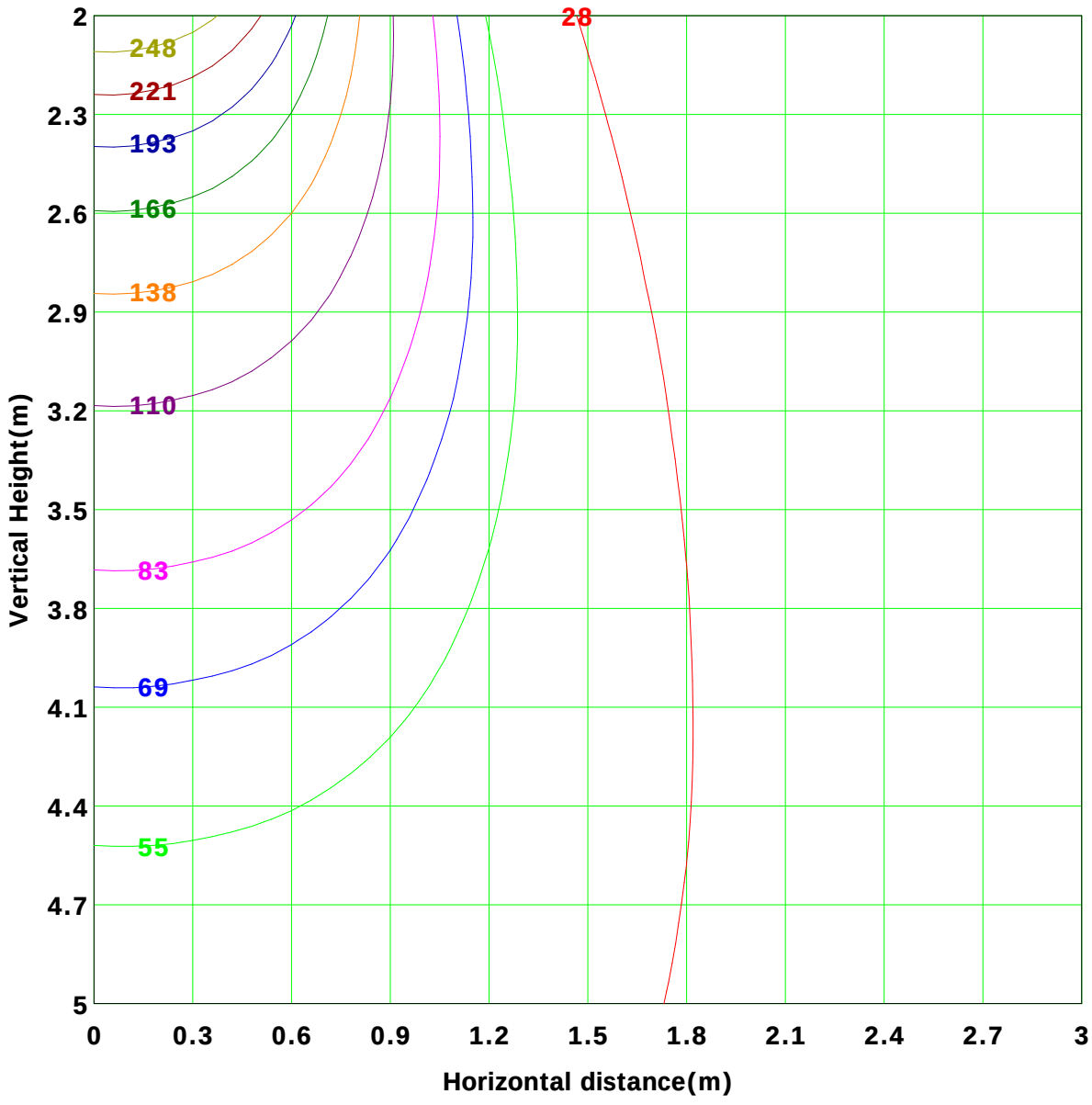
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	1102.99	0.86/0.34	0.2	595.00
2.0	275.75	1.73/0.68	0.9	148.75
3.0	122.55	2.59/1.02	2.0	66.11
4.0	68.94	3.46/1.35	3.6	37.19
5.0	44.12	4.32/1.69	5.7	23.80
6.0	30.64	5.18/2.03	8.2	16.53
7.0	22.51	6.05/2.37	11.1	12.14
8.0	17.23	6.91/2.71	14.5	9.30
9.0	13.62	7.77/3.05	18.4	7.35
10.0	11.03	8.64/3.39	22.7	5.95

Beam Angle(B): H46.7 V19.2 Field Angle(F): H80.4 V49.8

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: 276.1 lx

(10%): 27.6 lx	(20%): 55.2 lx
(25%): 69.0 lx	(30%): 82.8 lx
(40%): 110.4 lx	(50%): 138.0 lx
(60%): 165.7 lx	(70%): 193.3 lx
(80%): 220.9 lx	(90%): 248.5 lx

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
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Gamma Plane (°):0.0-180.0:1.0
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Area Flux Table

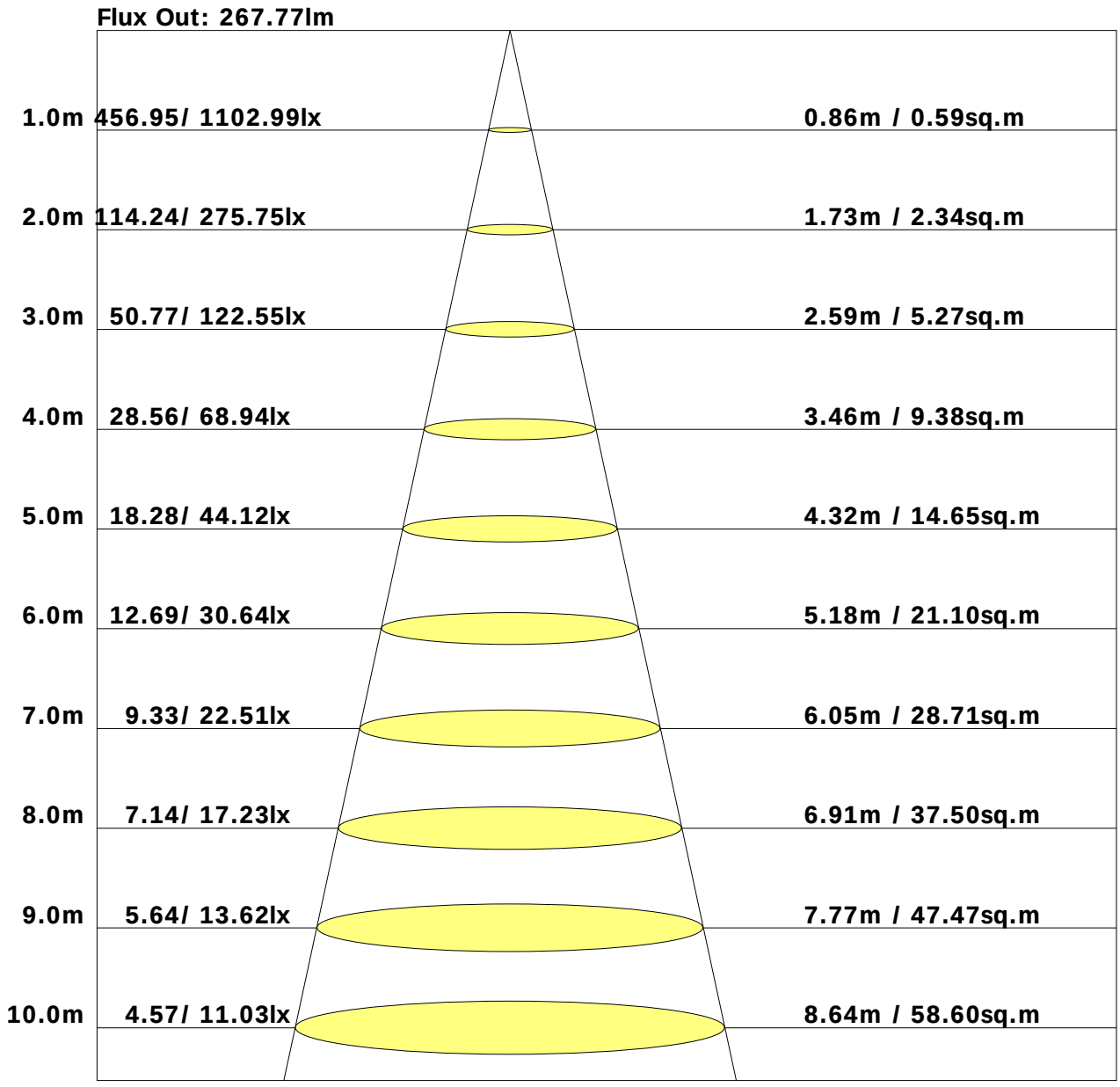
Unit: lm

Vertical plane \ Horizontal plane	-90~-80	-80~-70	-70~-60	-60~-50	-50~-40	-40~-30	-30~-20	-20~-10	-10~0	0~10	10~20	20~30	30~40	40~50	50~60	60~70	70~80	80~90	Flux(T)	Flux(E)
-90~-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	0.6	0.0
-80~-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	0.6	0.0
-70~-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	0.8	0.0
-60~-50	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	0.1	0.1	0.1	0.0	0.0	2.2	0.0
-50~-40	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.5	0.6	0.5	0.5	0.4	0.4	0.2	0.2	0.1	0.0	0.0	4.8	0.0
-40~-30	0.0	0.0	0.1	0.2	0.5	0.8	1.1	1.2	1.3	1.3	1.1	0.9	0.7	0.4	0.2	0.1	0.0	0.0	10.2	0.0
-30~-20	0.0	0.0	0.2	0.4	0.8	1.5	2.5	3.3	3.7	3.6	2.9	2.0	1.2	0.7	0.3	0.2	0.1	0.0	23.4	9.1
-20~-10	0.0	0.1	0.2	0.5	1.1	2.6	5.3	8.3	9.7	9.5	7.7	4.6	2.4	1.1	0.5	0.2	0.1	0.0	53.8	46.9
-10~0	0.0	0.1	0.2	0.6	1.5	4.1	10.3	18.9	24.3	24.7	19.4	10.8	4.2	1.5	0.6	0.2	0.1	0.0	121.3	116.2
0~10	0.0	0.1	0.2	0.6	1.5	4.1	10.4	19.6	26.2	26.8	20.5	11.1	4.3	1.5	0.6	0.2	0.1	0.0	127.5	122.2
10~20	0.0	0.1	0.2	0.5	1.1	2.6	5.2	8.4	9.7	9.8	8.2	5.0	2.5	1.1	0.5	0.2	0.1	0.0	55.2	48.1
20~30	0.0	0.1	0.2	0.4	0.8	1.5	2.4	3.0	3.4	3.3	2.9	2.2	1.4	0.8	0.4	0.2	0.1	0.0	23.1	7.3
30~40	0.0	0.0	0.2	0.4	0.6	0.9	1.2	1.4	1.5	1.5	1.4	1.2	0.9	0.6	0.3	0.2	0.1	0.0	12.4	0.0
40~50	0.0	0.0	0.1	0.3	0.4	0.6	0.7	0.8	0.9	0.9	0.8	0.7	0.6	0.4	0.3	0.1	0.0	0.0	7.7	0.0
50~60	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.2	0.1	0.0	0.0	5.0	0.0
60~70	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.0	0.0	3.1	0.0
70~80	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	1.6	0.0
80~90	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
Flux(T)	0.1	0.6	2.0	4.6	9.5	20.3	40.8	67.0	82.8	83.5	66.9	40.2	19.5	9.1	4.4	2.1	0.7	0.1	454	
Flux(E)	0.0	0.0	0.0	0.0	0.0	9.9	32.2	58.7	74.4	75.0	58.4	31.3	9.8	0.0	0.0	0.0	0.0	0.0		350

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 Device: GPM-1800B
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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	8.7	9.7	9.1	10.1	10.5	5.2	6.2	5.6	6.6	7.0
3H	9.9	10.8	10.3	11.2	11.6	6.1	7.0	6.5	7.4	7.9
4H	10.2	11.1	10.7	11.5	12.0	6.4	7.2	6.8	7.6	8.1
6H	10.4	11.2	10.9	11.7	12.1	6.5	7.3	7.0	7.7	8.2
8H	10.5	11.2	11.0	11.7	12.2	6.5	7.2	7.0	7.7	8.2
12H	10.5	11.2	11.0	11.6	12.1	6.5	7.2	7.0	7.7	8.2
X=4H Y=2H	8.6	9.4	9.0	9.9	10.3	5.8	6.7	6.3	7.1	7.5
3H	9.9	10.6	10.3	11.0	11.5	6.8	7.5	7.3	8.0	8.5
4H	10.3	10.9	10.8	11.4	11.9	7.1	7.8	7.6	8.3	8.8
6H	10.6	11.1	11.1	11.6	12.2	7.3	7.9	7.9	8.4	8.9
8H	10.6	11.1	11.1	11.6	12.2	7.4	7.9	7.9	8.4	8.9
12H	10.6	11.1	11.2	11.6	12.2	7.4	7.8	7.9	8.4	8.9
X=8H Y=4H	10.2	10.7	10.7	11.2	11.7	7.3	7.8	7.9	8.4	8.9
6H	10.5	10.9	11.0	11.4	12.0	7.6	8.0	8.1	8.6	9.1
8H	10.6	10.9	11.1	11.5	12.1	7.7	8.0	8.2	8.6	9.2
12H	10.6	11.0	11.2	11.5	12.2	7.7	8.1	8.3	8.6	9.3
X=12H Y=4H	10.1	10.6	10.7	11.1	11.7	7.3	7.8	7.9	8.3	8.9
6H	10.4	10.8	11.0	11.3	11.9	7.6	8.0	8.2	8.5	9.1
8H	10.5	10.9	11.1	11.4	12.1	7.7	8.0	8.3	8.6	9.2

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	0.83	0.90	0.94	0.97	1.01	1.04	1.06	1.08	1.10
	0.30		0.78	0.85	0.89	0.93	0.98	1.01	1.03	1.06	1.08
	0.20		0.75	0.81	0.86	0.90	0.94	0.98	1.00	1.04	1.06
0.50	0.50	0.20	0.82	0.87	0.91	0.94	0.98	1.00	1.02	1.04	1.05
	0.30		0.77	0.83	0.88	0.91	0.95	0.98	1.00	1.02	1.04
	0.20		0.74	0.81	0.85	0.88	0.92	0.95	0.97	1.00	1.02
0.30	0.50	0.20	0.80	0.86	0.89	0.91	0.95	0.97	0.98	1.00	1.01
	0.30		0.77	0.82	0.86	0.89	0.92	0.95	0.96	0.98	1.00
	0.20		0.74	0.79	0.83	0.86	0.90	0.93	0.95	0.97	0.99
0.00	0.00	0.00	0.72	0.77	0.81	0.83	0.87	0.89	0.90	0.92	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	0.61	0.49	0.42	0.36	0.29	0.24	0.20	0.16	0.13
	0.30		0.51	0.42	0.36	0.32	0.26	0.22	0.19	0.15	0.12
	0.20		0.43	0.37	0.32	0.29	0.24	0.20	0.18	0.14	0.12
0.50	0.50	0.20	0.57	0.46	0.39	0.34	0.27	0.26	0.19	0.14	0.12
	0.30		0.48	0.40	0.34	0.30	0.24	0.20	0.17	0.14	0.11
	0.20		0.42	0.35	0.31	0.27	0.22	0.19	0.16	0.13	0.11
0.30	0.50	0.20	0.54	0.43	0.36	0.31	0.24	0.20	0.17	0.13	0.11
	0.30		0.46	0.38	0.32	0.28	0.23	0.19	0.16	0.13	0.10
	0.20		0.41	0.34	0.29	0.26	0.21	0.18	0.15	0.12	0.10
0.00	0.00	0.00	0.27	0.21	0.18	0.15	0.12	0.10	0.08	0.06	0.05

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	0.18	0.19	0.20	0.21	0.22	0.23	0.24	0.24
	0.30		0.12	0.14	0.15	0.17	0.18	0.20	0.20	0.22	0.23
	0.20		0.09	0.11	0.13	0.14	0.16	0.17	0.19	0.20	0.21
0.50	0.50	0.20	0.16	0.17	0.18	0.19	0.20	0.21	0.22	0.23	0.23
	0.30		0.12	0.14	0.15	0.16	0.18	0.19	0.20	0.21	0.22
	0.20		0.09	0.11	0.12	0.14	0.16	0.17	0.18	0.20	0.20
0.30	0.50	0.20	0.15	0.17	0.18	0.18	0.20	0.20	0.21	0.22	0.22
	0.30		0.12	0.13	0.15	0.16	0.17	0.18	0.19	0.20	0.21
	0.20		0.09	0.11	0.12	0.13	0.15	0.17	0.18	0.19	0.20
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: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	1092.9	1.0	1.0	0.22	0.22
1.0-2.0	1082.3	3.1	4.2	0.66	0.89
2.0-3.0	1061.6	5.1	9.2	1.08	1.97
3.0-4.0	1032.7	6.9	16.1	1.47	3.44
4.0-5.0	996.5	8.6	24.7	1.83	5.27
5.0-6.0	954.3	10.0	34.7	2.14	7.41
6.0-7.0	908.2	11.3	46.0	2.40	9.82
7.0-8.0	859.5	12.3	58.3	2.62	12.44
8.0-9.0	809.3	13.1	71.4	2.80	15.24
9.0-10.0	759.0	13.7	85.2	2.93	18.17
10.0-11.0	709.9	14.2	99.4	3.03	21.20
11.0-12.0	662.6	14.5	113.9	3.09	24.29
12.0-13.0	617.3	14.7	128.5	3.13	27.41
13.0-14.0	574.0	14.7	143.2	3.13	30.54
14.0-15.0	532.6	14.6	157.8	3.12	33.66
15.0-16.0	493.3	14.5	172.3	3.08	36.75
16.0-17.0	456.6	14.2	186.5	3.03	39.78
17.0-18.0	421.8	13.9	200.4	2.97	42.75
18.0-19.0	389.0	13.5	213.9	2.89	45.63
19.0-20.0	358.3	13.1	227.1	2.80	48.43
20.0-21.0	329.5	12.7	239.7	2.70	51.13
21.0-22.0	302.5	12.2	251.9	2.59	53.72
22.0-23.0	277.6	11.6	263.5	2.48	56.21
23.0-24.0	254.2	11.1	274.6	2.37	58.58
24.0-25.0	232.2	10.6	285.2	2.25	60.83
25.0-26.0	212.3	10.0	295.2	2.14	62.97
26.0-27.0	193.9	9.5	304.7	2.02	64.99
27.0-28.0	176.9	9.0	313.7	1.91	66.91
28.0-29.0	161.5	8.4	322.1	1.80	68.71
29.0-30.0	147.3	8.0	330.1	1.70	70.40
30.0-31.0	134.3	7.5	337.6	1.59	72.00
31.0-32.0	122.4	7.0	344.6	1.50	73.49
32.0-33.0	111.7	6.6	351.1	1.40	74.90
33.0-34.0	101.9	6.2	357.3	1.32	76.21
34.0-35.0	93.0	5.8	363.1	1.23	77.45
35.0-36.0	85.0	5.4	368.5	1.15	78.60

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	77.7	5.1	373.6	1.08	79.68
37.0-38.0	71.3	4.8	378.3	1.01	80.70
38.0-39.0	65.4	4.5	382.8	0.95	81.65
39.0-40.0	60.2	4.2	387.0	0.90	82.54
40.0-41.0	55.4	3.9	390.9	0.84	83.39
41.0-42.0	51.2	3.7	394.7	0.79	84.18
42.0-43.0	47.5	3.5	398.2	0.75	84.93
43.0-44.0	44.0	3.3	401.5	0.71	85.64
44.0-45.0	40.8	3.1	404.6	0.67	86.31
45.0-46.0	38.0	3.0	407.6	0.63	86.94
46.0-47.0	35.4	2.8	410.4	0.60	87.54
47.0-48.0	33.0	2.7	413.1	0.57	88.11
48.0-49.0	30.9	2.5	415.6	0.54	88.65
49.0-50.0	28.9	2.4	418.0	0.51	89.17
50.0-51.0	27.0	2.3	420.3	0.49	89.65
51.0-52.0	25.3	2.2	422.5	0.46	90.12
52.0-53.0	23.7	2.1	424.6	0.44	90.56
53.0-54.0	22.1	2.0	426.5	0.42	90.97
54.0-55.0	20.7	1.9	428.4	0.40	91.37
55.0-56.0	19.4	1.8	430.1	0.37	91.74
56.0-57.0	18.2	1.7	431.8	0.36	92.10
57.0-58.0	17.1	1.6	433.4	0.34	92.43
58.0-59.0	16.0	1.5	434.8	0.32	92.75
59.0-60.0	14.9	1.4	436.3	0.30	93.05
60.0-61.0	14.0	1.3	437.6	0.28	93.34
61.0-62.0	13.1	1.3	438.9	0.27	93.61
62.0-63.0	12.2	1.2	440.0	0.25	93.86
63.0-64.0	11.4	1.1	441.2	0.24	94.10
64.0-65.0	10.7	1.1	442.2	0.23	94.33
65.0-66.0	10.1	1.0	443.2	0.21	94.54
66.0-67.0	9.4	0.9	444.2	0.20	94.74
67.0-68.0	8.8	0.9	445.1	0.19	94.93
68.0-69.0	8.2	0.8	445.9	0.18	95.11
69.0-70.0	7.6	0.8	446.7	0.17	95.28
70.0-71.0	7.1	0.7	447.4	0.16	95.43
71.0-72.0	6.5	0.7	448.1	0.14	95.58

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	6.0	0.6	448.7	0.13	95.71
73.0-74.0	5.5	0.6	449.3	0.12	95.83
74.0-75.0	5.0	0.5	449.8	0.11	95.95
75.0-76.0	4.6	0.5	450.3	0.10	96.05
76.0-77.0	4.2	0.4	450.8	0.10	96.15
77.0-78.0	3.8	0.4	451.2	0.09	96.24
78.0-79.0	3.5	0.4	451.6	0.08	96.32
79.0-80.0	3.2	0.3	451.9	0.07	96.39
80.0-81.0	2.9	0.3	452.2	0.07	96.46
81.0-82.0	2.6	0.3	452.5	0.06	96.52
82.0-83.0	2.4	0.3	452.8	0.06	96.57
83.0-84.0	2.2	0.2	453.0	0.05	96.62
84.0-85.0	2.1	0.2	453.2	0.05	96.67
85.0-86.0	2.0	0.2	453.4	0.05	96.72
86.0-87.0	1.9	0.2	453.6	0.04	96.76
87.0-88.0	1.8	0.2	453.8	0.04	96.80
88.0-89.0	1.8	0.2	454.0	0.04	96.84
89.0-90.0	1.8	0.2	454.2	0.04	96.89
90.0-91.0	1.7	0.2	454.4	0.04	96.93
91.0-92.0	1.7	0.2	454.6	0.04	96.97
92.0-93.0	1.7	0.2	454.8	0.04	97.01
93.0-94.0	1.7	0.2	455.0	0.04	97.05
94.0-95.0	1.7	0.2	455.2	0.04	97.09
95.0-96.0	1.7	0.2	455.4	0.04	97.13
96.0-97.0	1.7	0.2	455.6	0.04	97.17
97.0-98.0	1.7	0.2	455.7	0.04	97.21
98.0-99.0	1.7	0.2	455.9	0.04	97.25
99.0-100.0	1.7	0.2	456.1	0.04	97.29
100.0-101.0	1.7	0.2	456.3	0.04	97.33
101.0-102.0	1.7	0.2	456.5	0.04	97.36
102.0-103.0	1.7	0.2	456.7	0.04	97.40
103.0-104.0	1.7	0.2	456.8	0.04	97.44
104.0-105.0	1.7	0.2	457.0	0.04	97.48
105.0-106.0	1.7	0.2	457.2	0.04	97.52
106.0-107.0	1.7	0.2	457.4	0.04	97.55
107.0-108.0	1.7	0.2	457.5	0.04	97.59

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	1.7	0.2	457.7	0.04	97.63
109.0-110.0	1.7	0.2	457.9	0.04	97.67
110.0-111.0	1.7	0.2	458.1	0.04	97.70
111.0-112.0	1.7	0.2	458.2	0.04	97.74
112.0-113.0	1.7	0.2	458.4	0.04	97.78
113.0-114.0	1.8	0.2	458.6	0.04	97.82
114.0-115.0	1.8	0.2	458.8	0.04	97.86
115.0-116.0	1.8	0.2	459.0	0.04	97.89
116.0-117.0	1.8	0.2	459.1	0.04	97.93
117.0-118.0	1.8	0.2	459.3	0.04	97.97
118.0-119.0	1.8	0.2	459.5	0.04	98.01
119.0-120.0	1.8	0.2	459.7	0.04	98.04
120.0-121.0	1.9	0.2	459.8	0.04	98.08
121.0-122.0	1.9	0.2	460.0	0.04	98.12
122.0-123.0	1.9	0.2	460.2	0.04	98.16
123.0-124.0	2.0	0.2	460.4	0.04	98.20
124.0-125.0	2.0	0.2	460.5	0.04	98.23
125.0-126.0	2.0	0.2	460.7	0.04	98.27
126.0-127.0	2.1	0.2	460.9	0.04	98.31
127.0-128.0	2.1	0.2	461.1	0.04	98.35
128.0-129.0	2.1	0.2	461.3	0.04	98.39
129.0-130.0	2.2	0.2	461.5	0.04	98.43
130.0-131.0	2.2	0.2	461.6	0.04	98.47
131.0-132.0	2.3	0.2	461.8	0.04	98.51
132.0-133.0	2.3	0.2	462.0	0.04	98.55
133.0-134.0	2.4	0.2	462.2	0.04	98.59
134.0-135.0	2.4	0.2	462.4	0.04	98.63
135.0-136.0	2.5	0.2	462.6	0.04	98.67
136.0-137.0	2.6	0.2	462.8	0.04	98.71
137.0-138.0	2.6	0.2	463.0	0.04	98.75
138.0-139.0	2.7	0.2	463.2	0.04	98.79
139.0-140.0	2.8	0.2	463.4	0.04	98.84
140.0-141.0	2.8	0.2	463.6	0.04	98.88
141.0-142.0	2.9	0.2	463.8	0.04	98.92
142.0-143.0	3.0	0.2	464.0	0.04	98.96
143.0-144.0	3.1	0.2	464.2	0.04	99.01

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	3.1	0.2	464.4	0.04	99.05
145.0-146.0	3.2	0.2	464.6	0.04	99.09
146.0-147.0	3.3	0.2	464.8	0.04	99.13
147.0-148.0	3.4	0.2	465.0	0.04	99.18
148.0-149.0	3.5	0.2	465.2	0.04	99.22
149.0-150.0	3.5	0.2	465.4	0.04	99.26
150.0-151.0	3.6	0.2	465.6	0.04	99.30
151.0-152.0	3.7	0.2	465.8	0.04	99.34
152.0-153.0	3.8	0.2	465.9	0.04	99.38
153.0-154.0	3.8	0.2	466.1	0.04	99.42
154.0-155.0	3.9	0.2	466.3	0.04	99.46
155.0-156.0	4.0	0.2	466.5	0.04	99.50
156.0-157.0	4.0	0.2	466.7	0.04	99.54
157.0-158.0	4.1	0.2	466.8	0.04	99.58
158.0-159.0	4.1	0.2	467.0	0.04	99.61
159.0-160.0	4.2	0.2	467.2	0.03	99.65
160.0-161.0	4.3	0.2	467.3	0.03	99.68
161.0-162.0	4.3	0.1	467.5	0.03	99.71
162.0-163.0	4.3	0.1	467.6	0.03	99.74
163.0-164.0	4.3	0.1	467.8	0.03	99.77
164.0-165.0	4.4	0.1	467.9	0.03	99.80
165.0-166.0	4.4	0.1	468.0	0.03	99.82
166.0-167.0	4.4	0.1	468.1	0.02	99.85
167.0-168.0	4.4	0.1	468.2	0.02	99.87
168.0-169.0	4.4	0.1	468.3	0.02	99.89
169.0-170.0	4.4	0.1	468.4	0.02	99.91
170.0-171.0	4.4	0.1	468.5	0.02	99.93
171.0-172.0	4.4	0.1	468.6	0.02	99.94
172.0-173.0	4.4	0.1	468.6	0.01	99.96
173.0-174.0	4.4	0.1	468.7	0.01	99.97
174.0-175.0	4.4	0.0	468.7	0.01	99.98
175.0-176.0	4.4	0.0	468.8	0.01	99.99
176.0-177.0	4.4	0.0	468.8	0.01	99.99
177.0-178.0	4.4	0.0	468.8	0.00	100.00
178.0-179.0	4.4	0.0	468.8	0.00	100.00
179.0-180.0	4.4	0.0	468.8	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: