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Report No.: **Test Time: 2022/5/19 16:00**

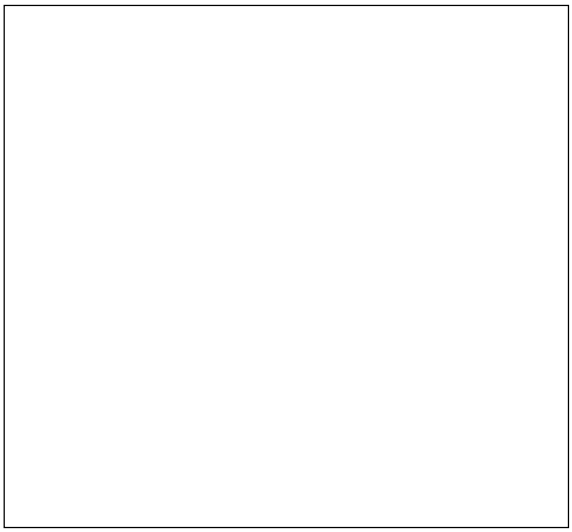
Luminaire Property

Luminaire Manufacturer:
Luminaire Category: RIBBONLYTE **Luminaire Description: 120LED S2 RGBA**
Lamp Catalog: 5050 RGBA 4IN1 120LED/M **Lamp Description: GREEN**
Number of Lamps: 1 **Luminous Length (mm): 500**
Luminous Width (mm): 12 **Luminous Height (mm): 5**
Voltage: 24.0 V **Current: 0.164 A**
Power: 3.93 W **Power Factor: 1.000**

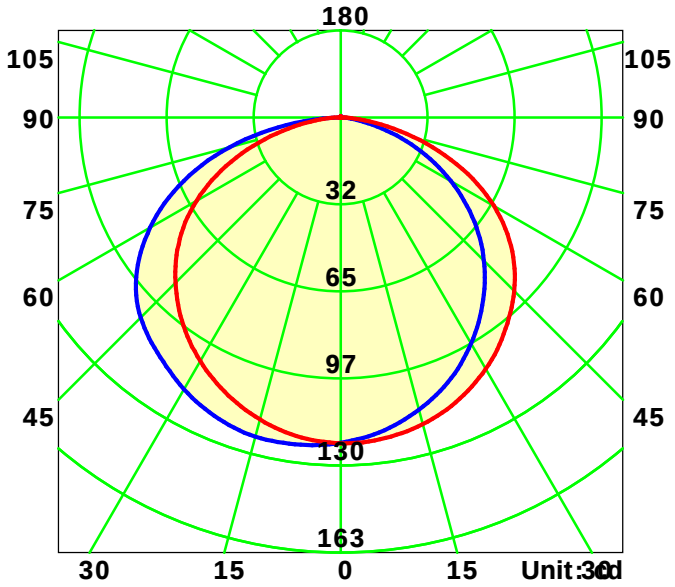
Photometric Results

CIE Class: Direct **Total Rated Lamp Lumens: 391.3 lm**
Measurement Flux: 391.3 lm **Efficiency: 100%**
Downward Ratio: 100% **Upward Ratio: 0%**
Horizontal Diffuse Angle(10%,50%): H161.4,H121.9
Vertical Diffuse Angle(10%,50%): V163.1,V123
Luminaire Efficacy Rating (LER): 99.62 **Central Intensity: 122.06 cd**
Max. Intensity: 124.13 cd **Pos of Max. Intensity: H180 V13**
S/MH(C0/C180): 1.31 **S/MH(C90/C270): 1.31**

Picture Of Luminaire



Luminous Intensity Distribution Curve

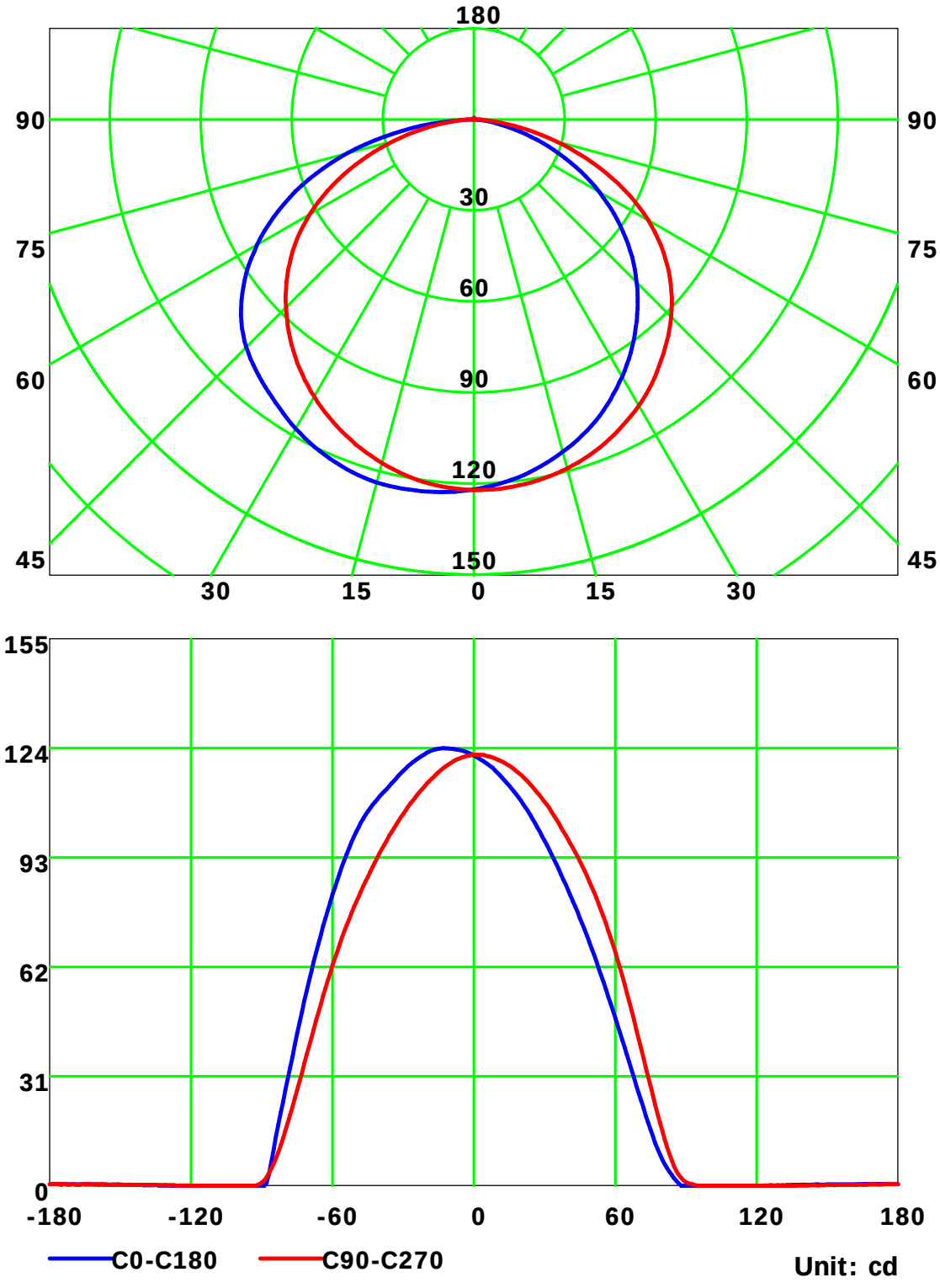


Average Diffuse Angle(50%): 122.2°

C0-C180 **C90-C270**

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: 9.390 m**
Temperature: 25 **Humidity: 60%**
Operator: Jacky **Inspector:**

Luminous Intensity Distribution Curve



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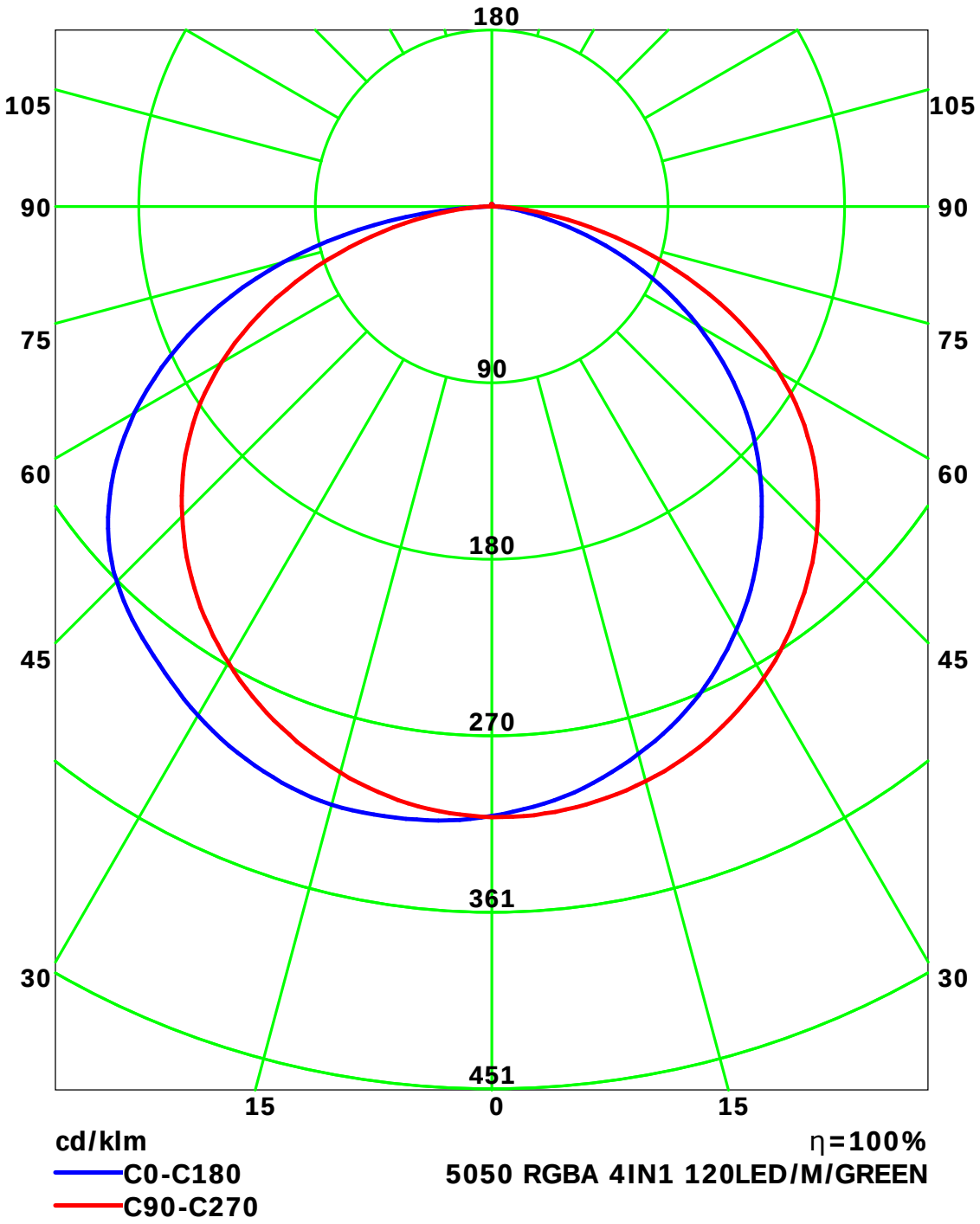
Test Type: TYPE C
Temperature: 25
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.390 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

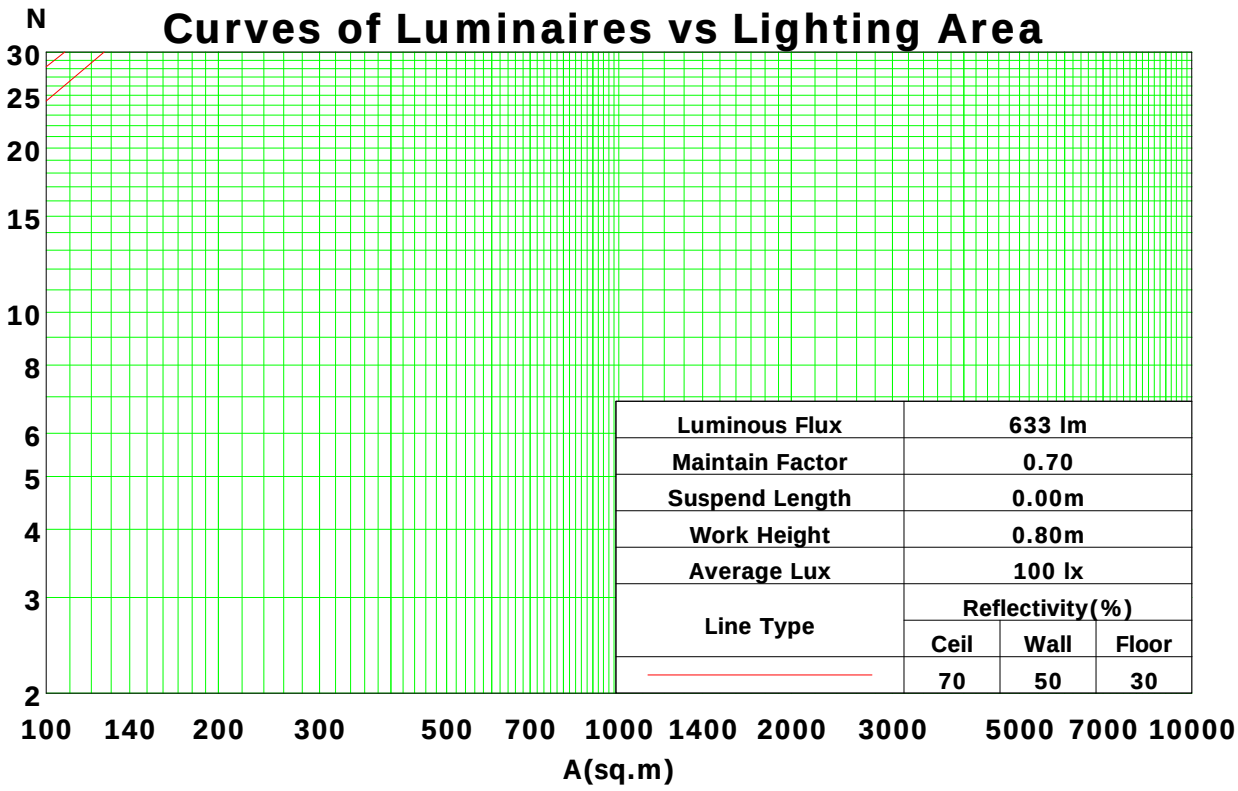
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.390 m
Humidity: 60%
Inspector:

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	102	102	102	100
1	108	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	83
2	98	89	82	76	95	87	81	75	84	78	74	81	76	72	77	74	70	68
3	89	78	70	63	86	76	69	62	73	67	61	71	65	60	68	63	59	57
4	81	69	60	53	79	67	59	52	65	57	52	62	56	51	60	55	50	48
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	38	50	43	38	49	43	38	36
7	63	50	41	34	62	49	40	34	47	39	34	46	39	34	44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30	42	35	30	41	34	30	28
9	55	41	33	27	54	41	33	27	40	32	27	38	32	27	37	31	27	25
10	52	38	30	25	50	38	30	25	37	29	24	36	29	24	35	29	24	22

Spacing Criteria (0-180): 1.31
Spacing Criteria (90-270): 1.31
Spacing Criteria (Diagonal): 1.46

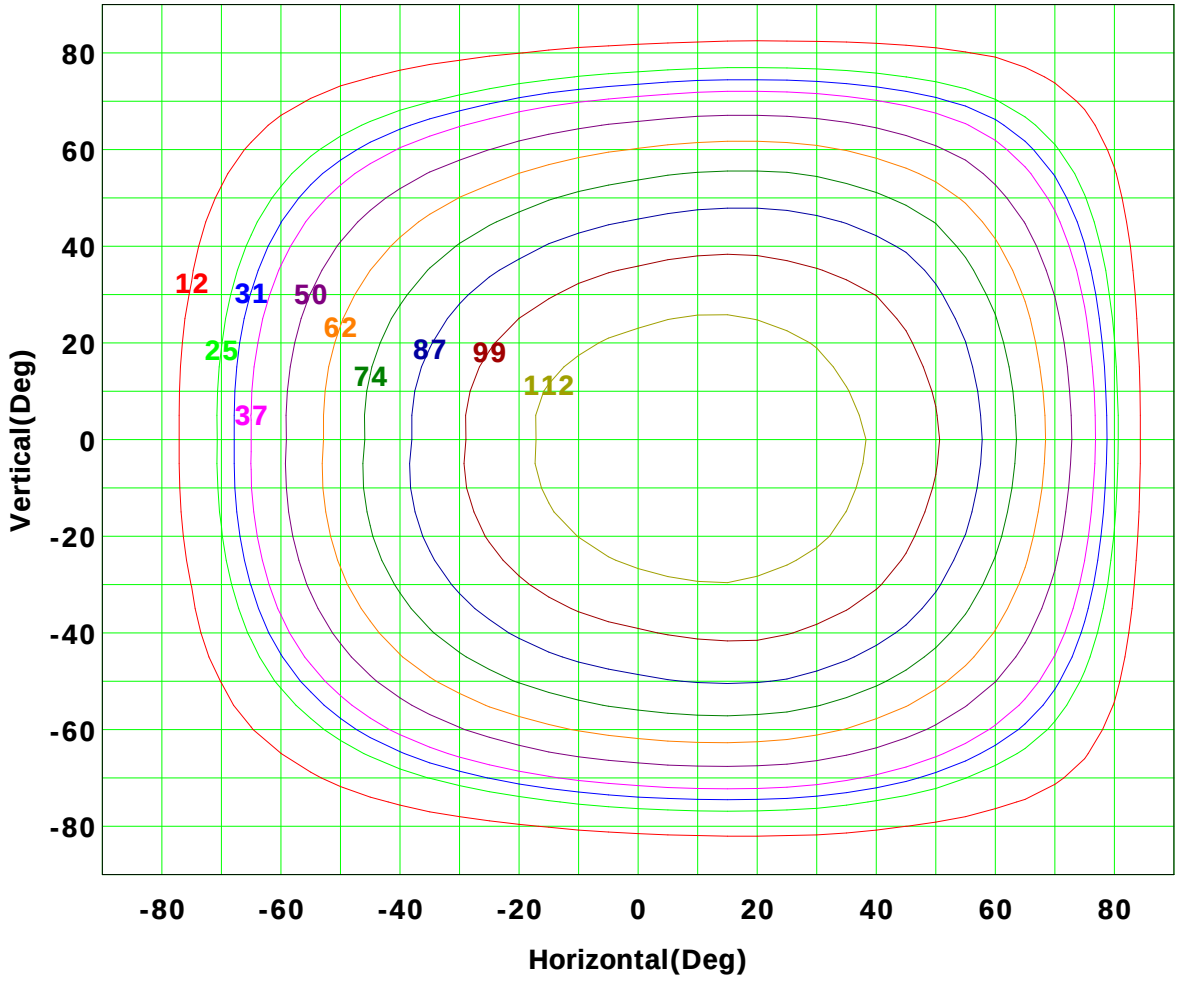
Curves of Luminaires vs Lighting Area



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: 9.390 m
Humidity: 60%
Inspector:

Isocandela (rectangle)



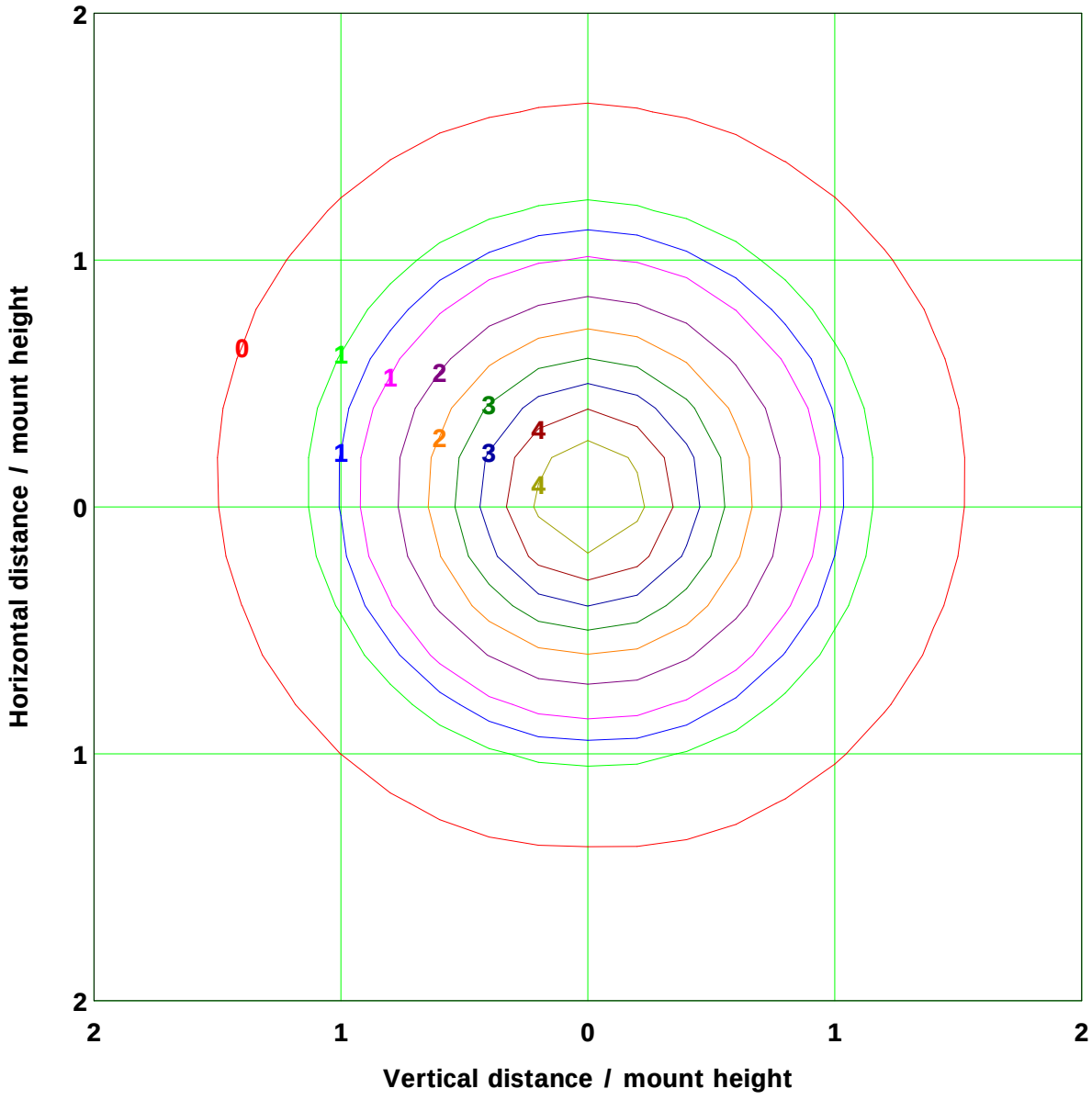
Imax (100%): 124 cd

(10%):	12 cd	(20%):	25 cd
(25%):	31 cd	(30%):	37 cd
(40%):	50 cd	(50%):	62 cd
(60%):	74 cd	(70%):	87 cd
(80%):	99 cd	(90%):	112 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: 9.390 m
Humidity: 60%
Inspector:

IsoLux Plot



Mounting Height: 5.0m Max Lux(100%): 4.9 lx

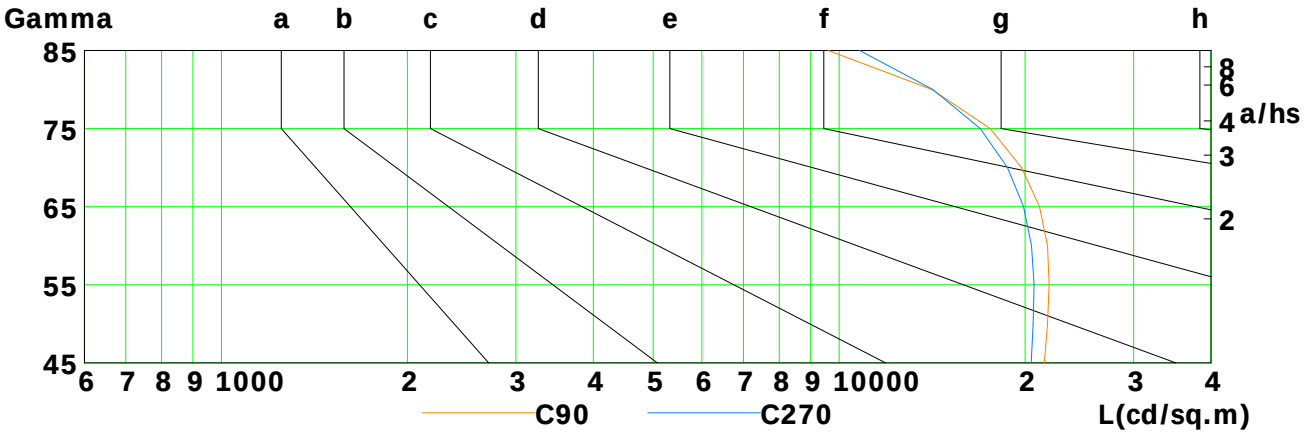
(10%): 0.5 lx	(20%): 1.0 lx
(25%): 1.2 lx	(30%): 1.5 lx
(40%): 2.0 lx	(50%): 2.5 lx
(60%): 2.9 lx	(70%): 3.4 lx
(80%): 3.9 lx	(90%): 4.4 lx

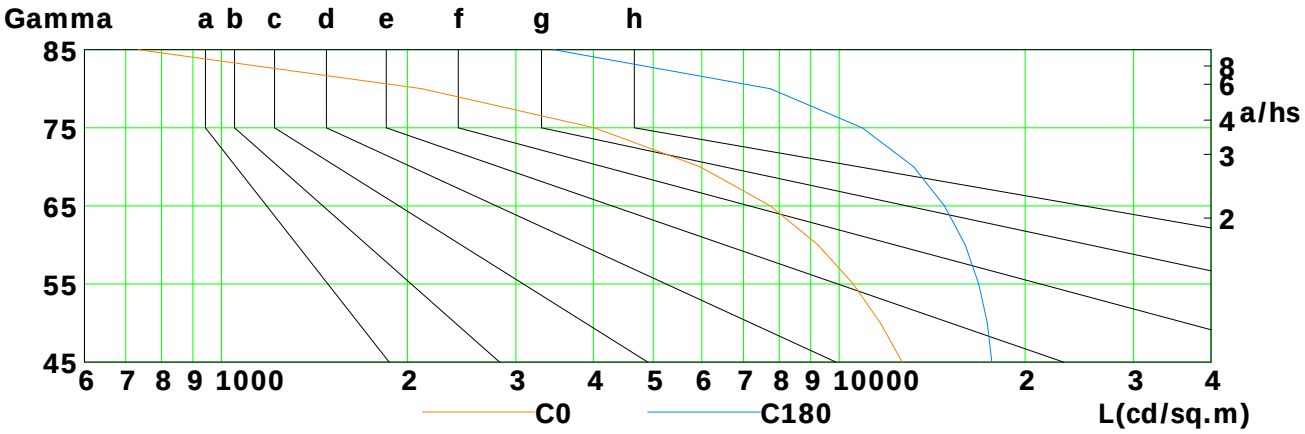
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.390 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



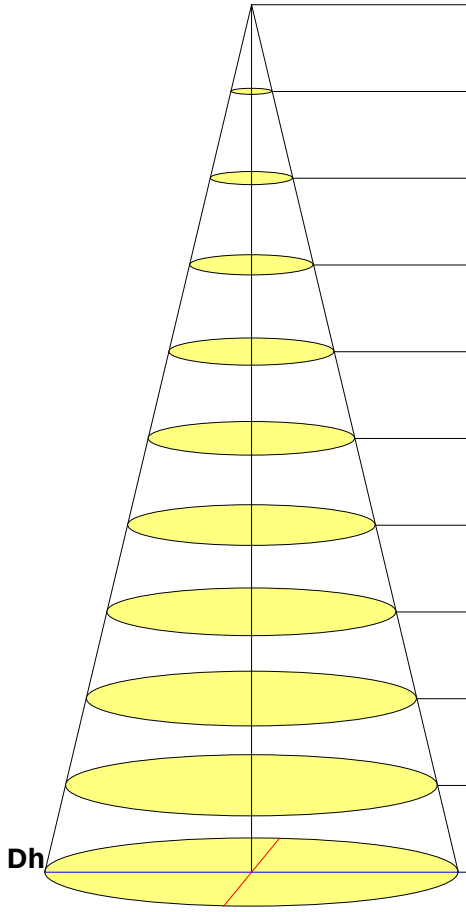


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	12650	11672	10544	9243	7739	5960	4015	2115	733
C90	21496	21749	21890	21763	21127	19753	17574	14142	9610
C180	17676	17390	16831	16004	14823	13207	10903	7746	3451
C270	20466	20627	20698	20488	19895	18748	16935	14196	10794

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: 9.390 m
Humidity: 60%
Inspector:

Illuminance at a Distance



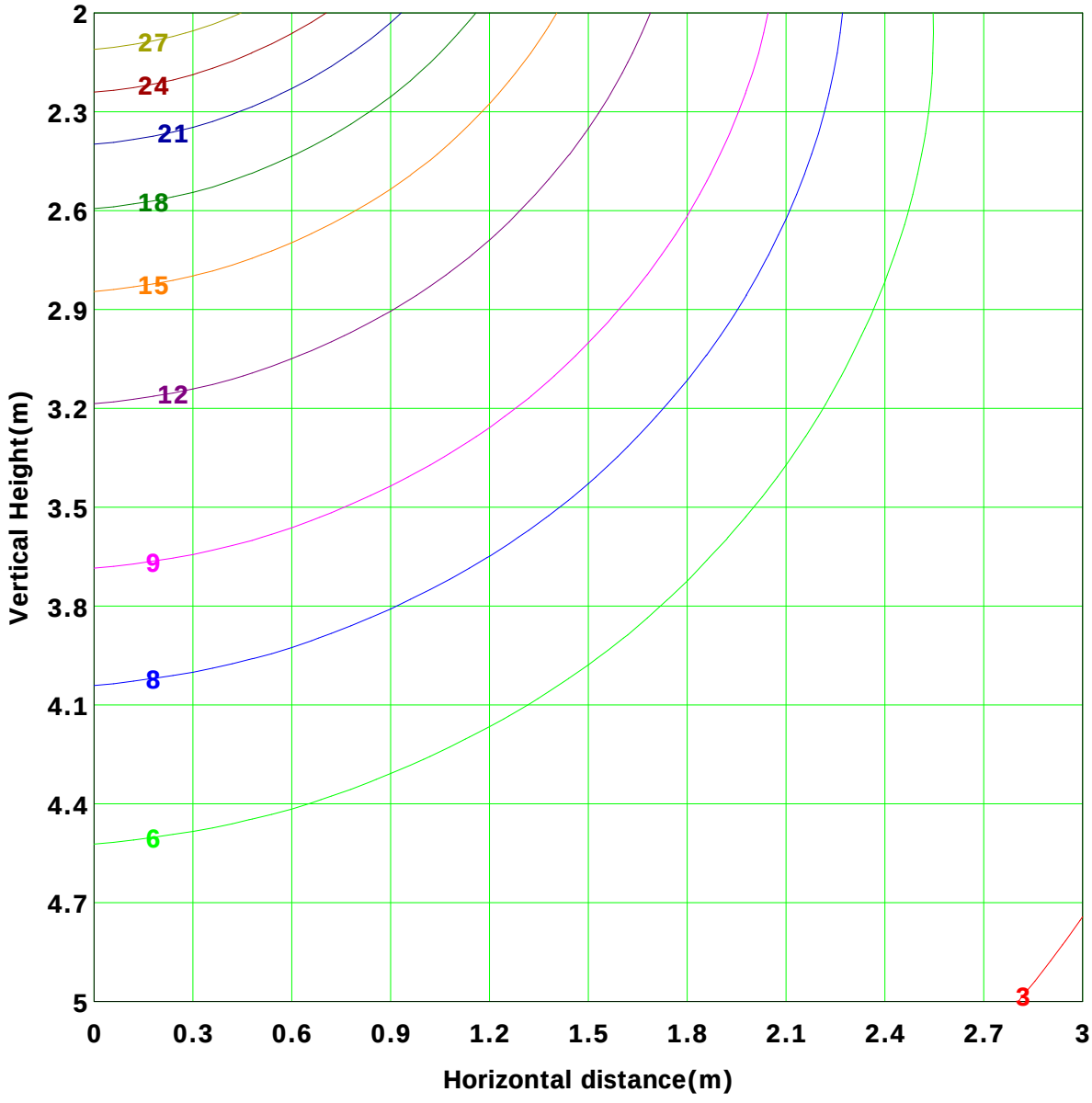
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	122.06	3.56/3.68	11.9	13.84
2.0	30.51	7.13/7.37	47.6	3.46
3.0	13.56	10.69/11.05	107.1	1.54
4.0	7.63	14.26/14.73	190.5	0.87
5.0	4.88	17.82/18.42	297.6	0.55
6.0	3.39	21.38/22.10	428.6	0.38
7.0	2.49	24.95/25.79	583.3	0.28
8.0	1.91	28.51/29.47	761.9	0.22
9.0	1.51	32.07/33.15	964.3	0.17
10.0	1.22	35.64/36.84	1190.4	0.14

Beam Angle(B): H121.4 V123.0 Field Angle(F): H161.3 V163.1

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.390 m
Humidity: 60%
Inspector:

Vertical IsoLux Plot



Lowest(m): 2.0m Highest(m): 5.0m Max Lux: 30.5 lx

(10%): 3.1 lx	(20%): 6.1 lx
(25%): 7.6 lx	(30%): 9.2 lx
(40%): 12.2 lx	(50%): 15.3 lx
(60%): 18.3 lx	(70%): 21.4 lx
(80%): 24.4 lx	(90%): 27.5 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: 9.390 m
Humidity: 60%
Inspector:

Area Flux Table

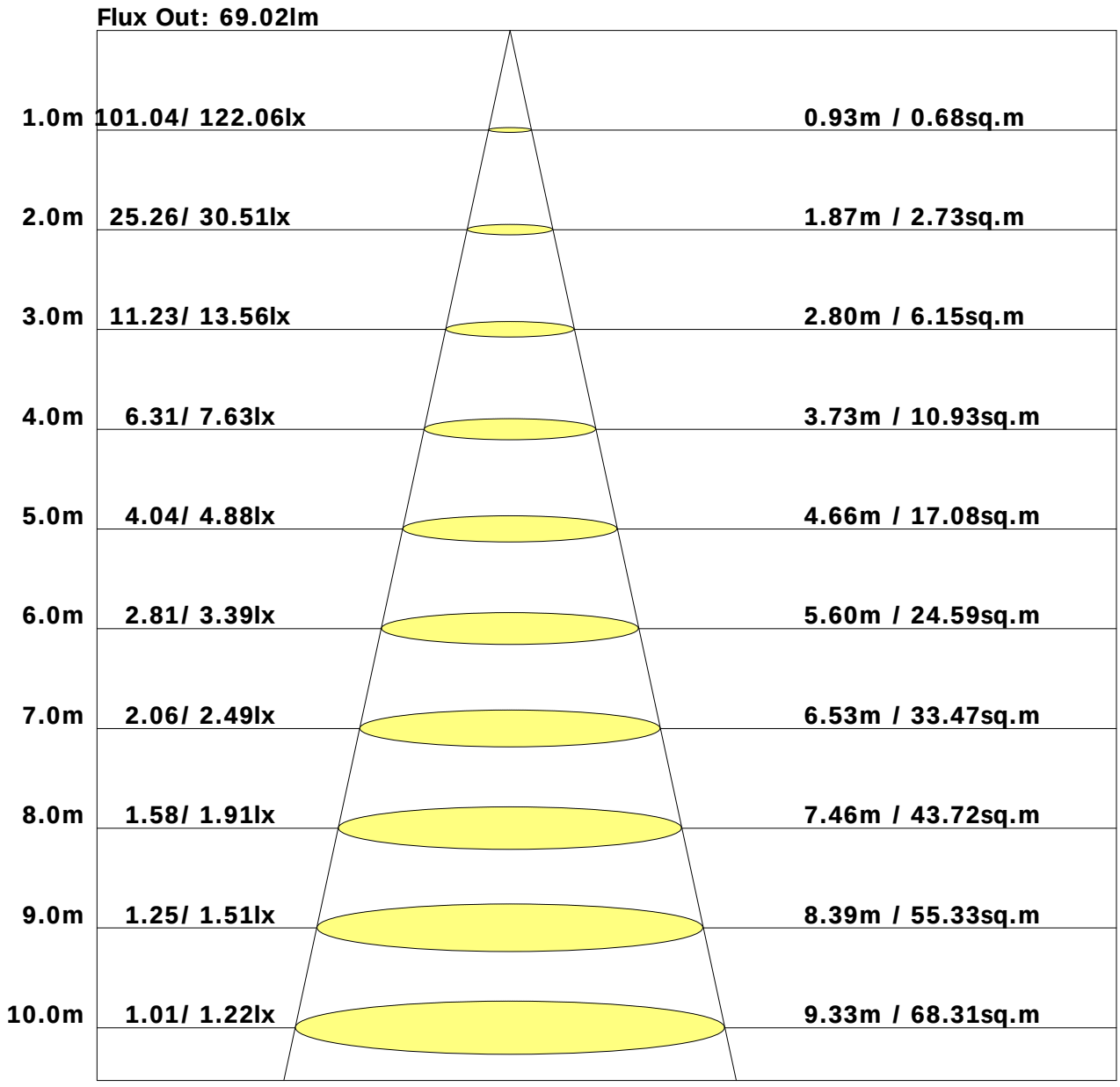
Unit: lm

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)
Horizontal plane																					
-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		0.3
-80	0.0	0.1	0.2	0.4	0.5	0.7	0.8	0.9	0.9	0.9	0.9	0.8	0.7	0.6	0.5	0.4	0.2	0.1	0.0	0.0	3.5
-70	0.1	0.2	0.4	0.7	0.9	1.2	1.5	1.7	1.8	1.9	1.9	1.8	1.7	1.5	1.3	1.0	0.6	0.3	0.0	0.0	9.8
-60	0.1	0.4	0.7	1.0	1.4	1.7	2.1	2.4	2.6	2.7	2.7	2.6	2.4	2.1	1.9	1.5	1.0	0.5	0.1	0.0	17.9
-50	0.2	0.5	0.9	1.4	1.8	2.2	2.6	2.9	3.1	3.2	3.2	3.1	2.9	2.6	2.4	2.0	1.4	0.7	0.1	0.0	26.1
-40	0.2	0.6	1.1	1.7	2.2	2.7	3.0	3.3	3.5	3.6	3.6	3.5	3.3	3.0	2.7	2.2	1.7	0.9	0.2	0.0	33.2
-30	0.2	0.7	1.3	1.9	2.5	2.9	3.3	3.6	3.8	3.9	3.9	3.8	3.6	3.3	3.0	2.5	1.9	1.0	0.2	0.0	38.8
-20	0.2	0.8	1.5	2.1	2.7	3.2	3.6	3.9	4.1	4.2	4.2	4.1	3.9	3.6	3.2	2.7	2.1	1.1	0.2	0.0	42.2
-10	0.2	0.9	1.6	2.2	2.8	3.3	3.7	4.0	4.2	4.3	4.3	4.2	4.0	3.7	3.3	2.8	2.2	1.1	0.2	0.0	43.1
0	0.2	0.8	1.5	2.1	2.6	3.0	3.4	3.7	3.9	4.0	4.0	3.9	3.7	3.4	3.0	2.6	2.0	1.1	0.2	0.0	41.6
10	0.2	0.7	1.3	1.9	2.4	2.7	3.0	3.2	3.4	3.5	3.5	3.4	3.2	3.0	2.7	2.3	1.8	1.0	0.2	0.0	37.9
20	0.1	0.6	1.1	1.6	2.0	2.4	2.6	2.8	2.9	2.9	2.9	2.8	2.6	2.4	2.1	1.7	1.3	0.8	0.1	0.0	32.2
30	0.1	0.4	0.8	1.2	1.6	1.9	2.1	2.2	2.3	2.3	2.3	2.2	2.1	1.9	1.6	1.3	0.9	0.5	0.1	0.0	25.2
40	0.1	0.3	0.6	0.9	1.1	1.4	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.3	1.1	0.9	0.6	0.3	0.0	0.0	17.7
50	0.0	0.2	0.5	0.7	0.9	1.0	1.1	1.1	1.1	1.0	1.0	1.0	0.9	0.8	0.7	0.5	0.3	0.2	0.0	0.0	10.5
60	0.0	0.1	0.3	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.2	0.1	0.1	0.0	0.0	4.6
70	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	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.8
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	2.0	6.8	13.7	19.7	24.5	28.2	31.0	32.9	33.9	34.0	33.3	31.6	29.0	25.3	20.3	13.9	6.6	0.3			
Flux(T)	0.4	6.8	13.7	19.7	24.5	28.2	31.0	32.9	33.9	34.0	33.3	31.6	29.0	25.3	20.4	14.1	7.1	1.6	390		
Flux(E)	0.4	6.8	13.7	19.7	24.5	28.2	31.0	32.9	33.9	34.0	33.3	31.6	29.0	25.3	20.4	14.1	7.1	1.6		386	

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: 9.390 m
Humidity: 60%
Inspector:

The Average Illuminance Effective Figure



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Test Lab:
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Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
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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	20.5	21.9	20.8	22.1	22.4	22.4	23.9	22.7	24.1	24.4
3H	21.5	22.8	21.8	23.0	23.3	24.1	25.4	24.4	25.7	26.0
4H	21.7	22.9	22.1	23.2	23.5	24.7	25.9	25.1	26.2	26.5
6H	21.8	22.9	22.2	23.2	23.6	25.1	26.3	25.5	26.6	26.9
8H	21.8	22.9	22.1	23.2	23.5	25.2	26.3	25.6	26.7	27.0
12H	21.7	22.8	22.1	23.1	23.5	25.3	26.4	25.7	26.7	27.0
X=4H Y=2H	21.2	22.5	21.6	22.7	23.1	22.8	24.0	23.1	24.3	24.6
3H	22.4	23.4	22.7	23.8	24.1	24.6	25.6	25.0	26.0	26.3
4H	22.7	23.6	23.1	24.0	24.4	25.3	26.2	25.7	26.6	27.0
6H	22.8	23.7	23.3	24.1	24.5	25.8	26.6	26.2	27.0	27.4
8H	22.8	23.6	23.3	24.0	24.4	25.9	26.7	26.4	27.1	27.5
12H	22.8	23.5	23.3	23.9	24.4	26.0	26.7	26.5	27.1	27.6
X=8H Y=4H	23.0	23.7	23.4	24.1	24.6	25.4	26.1	25.8	26.5	27.0
6H	23.2	23.8	23.6	24.2	24.7	25.9	26.5	26.4	27.0	27.5
8H	23.2	23.8	23.7	24.2	24.7	26.1	26.7	26.6	27.1	27.6
12H	23.2	23.7	23.7	24.2	24.7	26.2	26.7	26.7	27.2	27.7
X=12H Y=4H	23.0	23.7	23.4	24.1	24.5	25.3	26.0	25.8	26.5	26.9
6H	23.2	23.7	23.7	24.2	24.7	25.9	26.5	26.4	26.9	27.4
8H	23.2	23.7	23.7	24.2	24.7	26.1	26.6	26.6	27.1	27.6
Variations with the observer position at spacings:										
S=1.0H	+0.2/-0.3					+0.1/-0.1				
S=1.5H	+0.5/-0.8					+0.3/-0.3				
S=2.0H	+0.7/-1.5					+0.8/-1.0				

Calculate in accordance with CIE Pub.117. The table is revised with 391lm (8log(F/F0) = -3.3).

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: 9.390 m
Humidity: 60%
Inspector:

Utilisation Factor Table(Floor cavity)

Utilisation Factors UF(F)						SHR NOM = 1.50				
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	0.57	0.66	0.74	0.79	0.87	0.92	0.95	1.00	1.03
	0.30		0.50	0.58	0.66	0.72	0.80	0.86	0.90	0.96	1.00
	0.20		0.44	0.52	0.61	0.67	0.75	0.81	0.86	0.92	0.96
0.50	0.50	0.20	0.56	0.64	0.71	0.77	0.84	0.88	0.92	0.96	0.99
	0.30		0.49	0.57	0.65	0.70	0.78	0.83	0.87	0.92	0.96
	0.20		0.44	0.52	0.60	0.65	0.74	0.79	0.84	0.89	0.93
0.30	0.50	0.20	0.54	0.62	0.69	0.74	0.81	0.85	0.88	0.92	0.95
	0.30		0.48	0.56	0.63	0.69	0.76	0.81	0.85	0.89	0.93
	0.20		0.43	0.51	0.59	0.64	0.72	0.78	0.82	0.87	0.90
0.00	0.00	0.00	0.41	0.49	0.56	0.61	0.69	0.74	0.77	0.82	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
Temperature: 25
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.390 m
Humidity: 60%
Inspector:

Utilisation Factor Table(Wall)

Utilisation Factors UF(W)			SHR NOM = 1.50								
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	0.99	0.84	0.71	0.62	0.49	0.41	0.35	0.27	0.22
	0.30		0.82	0.72	0.62	0.55	0.45	0.38	0.32	0.26	0.21
	0.20		0.71	0.63	0.55	0.49	0.41	0.35	0.30	0.24	0.20
0.50	0.50	0.20	0.95	0.81	0.68	0.59	0.47	0.42	0.33	0.26	0.21
	0.30		0.80	0.70	0.60	0.53	0.43	0.36	0.31	0.25	0.20
	0.20		0.70	0.62	0.54	0.48	0.40	0.34	0.29	0.23	0.19
0.30	0.50	0.20	0.92	0.78	0.65	0.57	0.45	0.37	0.32	0.25	0.20
	0.30		0.79	0.68	0.59	0.52	0.42	0.35	0.30	0.24	0.19
	0.20		0.69	0.61	0.53	0.47	0.39	0.33	0.28	0.23	0.19
0.00	0.00	0.00	0.59	0.51	0.44	0.39	0.31	0.26	0.22	0.18	0.14

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: 9.390 m
Humidity: 60%
Inspector:

Utilisation Factor Table(Ceiling cavity)

Utilisation Factors UF(C)			SHR NOM = 1.50								
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	0.19	0.20	0.21	0.21	0.22	0.22
	0.30		0.10	0.11	0.13	0.14	0.15	0.16	0.17	0.19	0.19
	0.20		0.05	0.06	0.08	0.09	0.11	0.13	0.14	0.16	0.17
0.50	0.50	0.20	0.16	0.17	0.18	0.19	0.19	0.20	0.20	0.21	0.21
	0.30		0.09	0.11	0.12	0.13	0.15	0.16	0.17	0.18	0.19
	0.20		0.05	0.06	0.08	0.09	0.11	0.12	0.14	0.15	0.16
0.30	0.50	0.20	0.15	0.17	0.17	0.18	0.19	0.19	0.20	0.20	0.20
	0.30		0.09	0.11	0.12	0.13	0.14	0.15	0.16	0.17	0.18
	0.20		0.05	0.06	0.08	0.09	0.11	0.12	0.13	0.15	0.16
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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: 9.390 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	122.2	0.1	0.1	0.03	0.03
1.0-2.0	122.2	0.4	0.5	0.09	0.12
2.0-3.0	122.1	0.6	1.1	0.15	0.27
3.0-4.0	122.0	0.8	1.9	0.21	0.48
4.0-5.0	121.9	1.0	2.9	0.27	0.75
5.0-6.0	121.7	1.3	4.2	0.33	1.07
6.0-7.0	121.5	1.5	5.7	0.39	1.46
7.0-8.0	121.3	1.7	7.4	0.44	1.90
8.0-9.0	121.0	2.0	9.4	0.50	2.40
9.0-10.0	120.7	2.2	11.6	0.56	2.96
10.0-11.0	120.4	2.4	14.0	0.61	3.58
11.0-12.0	120.1	2.6	16.6	0.67	4.25
12.0-13.0	119.7	2.8	19.5	0.73	4.97
13.0-14.0	119.3	3.1	22.5	0.78	5.75
14.0-15.0	118.8	3.3	25.8	0.83	6.59
15.0-16.0	118.4	3.5	29.2	0.89	7.47
16.0-17.0	117.8	3.7	32.9	0.94	8.41
17.0-18.0	117.3	3.9	36.8	0.99	9.40
18.0-19.0	116.7	4.1	40.8	1.04	10.44
19.0-20.0	116.1	4.3	45.1	1.09	11.52
20.0-21.0	115.5	4.4	49.5	1.13	12.66
21.0-22.0	114.8	4.6	54.1	1.18	13.84
22.0-23.0	114.1	4.8	58.9	1.22	15.06
23.0-24.0	113.4	5.0	63.9	1.27	16.33
24.0-25.0	112.6	5.1	69.0	1.31	17.64
25.0-26.0	111.9	5.3	74.3	1.35	18.99
26.0-27.0	111.0	5.4	79.7	1.39	20.38
27.0-28.0	110.2	5.6	85.3	1.43	21.80
28.0-29.0	109.3	5.7	91.0	1.46	23.26
29.0-30.0	108.4	5.9	96.9	1.50	24.76
30.0-31.0	107.5	6.0	102.9	1.53	26.29
31.0-32.0	106.6	6.1	109.0	1.56	27.85
32.0-33.0	105.6	6.2	115.2	1.59	29.44
33.0-34.0	104.6	6.3	121.5	1.62	31.06
34.0-35.0	103.5	6.4	128.0	1.64	32.70
35.0-36.0	102.5	6.5	134.5	1.67	34.37

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: 9.390 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	101.4	6.6	141.1	1.69	36.06
37.0-38.0	100.3	6.7	147.8	1.71	37.77
38.0-39.0	99.2	6.8	154.6	1.73	39.50
39.0-40.0	98.0	6.8	161.4	1.75	41.25
40.0-41.0	96.8	6.9	168.3	1.76	43.01
41.0-42.0	95.6	6.9	175.2	1.78	44.78
42.0-43.0	94.4	7.0	182.2	1.79	46.57
43.0-44.0	93.1	7.0	189.3	1.80	48.37
44.0-45.0	91.8	7.1	196.3	1.80	50.17
45.0-46.0	90.5	7.1	203.4	1.81	51.98
46.0-47.0	89.2	7.1	210.5	1.81	53.79
47.0-48.0	87.7	7.1	217.6	1.81	55.61
48.0-49.0	86.3	7.1	224.7	1.81	57.42
49.0-50.0	84.8	7.1	231.8	1.81	59.22
50.0-51.0	83.2	7.0	238.8	1.80	61.02
51.0-52.0	81.6	7.0	245.8	1.79	62.81
52.0-53.0	79.9	7.0	252.8	1.78	64.59
53.0-54.0	78.2	6.9	259.6	1.76	66.35
54.0-55.0	76.4	6.8	266.5	1.74	68.09
55.0-56.0	74.6	6.7	273.2	1.72	69.82
56.0-57.0	72.7	6.6	279.9	1.70	71.52
57.0-58.0	70.7	6.5	286.4	1.67	73.19
58.0-59.0	68.7	6.4	292.8	1.64	74.83
59.0-60.0	66.6	6.3	299.1	1.61	76.44
60.0-61.0	64.5	6.2	305.3	1.57	78.01
61.0-62.0	62.3	6.0	311.3	1.53	79.54
62.0-63.0	60.1	5.8	317.1	1.49	81.04
63.0-64.0	57.8	5.7	322.8	1.45	82.48
64.0-65.0	55.4	5.5	328.3	1.40	83.89
65.0-66.0	53.0	5.3	333.5	1.35	85.24
66.0-67.0	50.6	5.1	338.6	1.30	86.54
67.0-68.0	48.1	4.9	343.5	1.24	87.78
68.0-69.0	45.6	4.6	348.2	1.19	88.97
69.0-70.0	43.0	4.4	352.6	1.13	90.10
70.0-71.0	40.4	4.2	356.8	1.07	91.17
71.0-72.0	37.9	3.9	360.7	1.01	92.17

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: 9.390 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	35.2	3.7	364.4	0.94	93.11
73.0-74.0	32.6	3.4	367.8	0.88	93.99
74.0-75.0	30.0	3.2	371.0	0.81	94.80
75.0-76.0	27.4	2.9	373.9	0.74	95.55
76.0-77.0	24.8	2.6	376.5	0.68	96.22
77.0-78.0	22.3	2.4	378.9	0.61	96.83
78.0-79.0	19.9	2.1	381.1	0.55	97.38
79.0-80.0	17.5	1.9	382.9	0.48	97.86
80.0-81.0	15.2	1.6	384.6	0.42	98.28
81.0-82.0	13.0	1.4	386.0	0.36	98.64
82.0-83.0	10.9	1.2	387.2	0.30	98.94
83.0-84.0	8.9	1.0	388.2	0.25	99.19
84.0-85.0	7.1	0.8	388.9	0.20	99.39
85.0-86.0	5.4	0.6	389.5	0.15	99.54
86.0-87.0	3.9	0.4	389.9	0.11	99.65
87.0-88.0	2.6	0.3	390.2	0.07	99.72
88.0-89.0	1.6	0.2	390.4	0.04	99.77
89.0-90.0	0.9	0.1	390.5	0.03	99.79
90.0-91.0	0.5	0.1	390.6	0.02	99.81
91.0-92.0	0.3	0.0	390.6	0.01	99.81
92.0-93.0	0.1	0.0	390.6	0.00	99.82
93.0-94.0	0.1	0.0	390.6	0.00	99.82
94.0-95.0	0.0	0.0	390.6	0.00	99.82
95.0-96.0	0.0	0.0	390.6	0.00	99.82
96.0-97.0	0.0	0.0	390.6	0.00	99.82
97.0-98.0	0.0	0.0	390.6	0.00	99.82
98.0-99.0	0.0	0.0	390.6	0.00	99.82
99.0-100.0	0.0	0.0	390.6	0.00	99.82
100.0-101.0	0.0	0.0	390.6	0.00	99.82
101.0-102.0	0.0	0.0	390.6	0.00	99.82
102.0-103.0	0.0	0.0	390.6	0.00	99.82
103.0-104.0	0.0	0.0	390.6	0.00	99.82
104.0-105.0	0.0	0.0	390.6	0.00	99.82
105.0-106.0	0.0	0.0	390.6	0.00	99.82
106.0-107.0	0.0	0.0	390.6	0.00	99.82
107.0-108.0	0.0	0.0	390.6	0.00	99.82

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: 9.390 m
Humidity: 60%
Inspector:

Zonal Lumen (Continue 3)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	0.0	0.0	390.6	0.00	99.82
109.0-110.0	0.0	0.0	390.6	0.00	99.82
110.0-111.0	0.0	0.0	390.6	0.00	99.82
111.0-112.0	0.0	0.0	390.6	0.00	99.82
112.0-113.0	0.0	0.0	390.6	0.00	99.82
113.0-114.0	0.0	0.0	390.6	0.00	99.82
114.0-115.0	0.0	0.0	390.6	0.00	99.82
115.0-116.0	0.0	0.0	390.6	0.00	99.82
116.0-117.0	0.0	0.0	390.6	0.00	99.83
117.0-118.0	0.0	0.0	390.6	0.00	99.83
118.0-119.0	0.0	0.0	390.6	0.00	99.83
119.0-120.0	0.0	0.0	390.6	0.00	99.83
120.0-121.0	0.0	0.0	390.6	0.00	99.83
121.0-122.0	0.0	0.0	390.6	0.00	99.83
122.0-123.0	0.0	0.0	390.7	0.00	99.83
123.0-124.0	0.1	0.0	390.7	0.00	99.83
124.0-125.0	0.1	0.0	390.7	0.00	99.83
125.0-126.0	0.1	0.0	390.7	0.00	99.83
126.0-127.0	0.1	0.0	390.7	0.00	99.84
127.0-128.0	0.1	0.0	390.7	0.00	99.84
128.0-129.0	0.1	0.0	390.7	0.00	99.84
129.0-130.0	0.1	0.0	390.7	0.00	99.84
130.0-131.0	0.1	0.0	390.7	0.00	99.85
131.0-132.0	0.1	0.0	390.7	0.00	99.85
132.0-133.0	0.1	0.0	390.7	0.00	99.85
133.0-134.0	0.1	0.0	390.7	0.00	99.85
134.0-135.0	0.2	0.0	390.8	0.00	99.86
135.0-136.0	0.2	0.0	390.8	0.00	99.86
136.0-137.0	0.2	0.0	390.8	0.00	99.87
137.0-138.0	0.2	0.0	390.8	0.00	99.87
138.0-139.0	0.2	0.0	390.8	0.00	99.87
139.0-140.0	0.2	0.0	390.8	0.00	99.88
140.0-141.0	0.2	0.0	390.8	0.00	99.88
141.0-142.0	0.2	0.0	390.9	0.00	99.88
142.0-143.0	0.2	0.0	390.9	0.00	99.89
143.0-144.0	0.2	0.0	390.9	0.00	99.89

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: 9.390 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	0.3	0.0	390.9	0.00	99.90
145.0-146.0	0.3	0.0	390.9	0.00	99.90
146.0-147.0	0.3	0.0	390.9	0.00	99.91
147.0-148.0	0.3	0.0	391.0	0.00	99.91
148.0-149.0	0.3	0.0	391.0	0.00	99.91
149.0-150.0	0.3	0.0	391.0	0.00	99.92
150.0-151.0	0.3	0.0	391.0	0.00	99.92
151.0-152.0	0.3	0.0	391.0	0.00	99.93
152.0-153.0	0.3	0.0	391.1	0.00	99.93
153.0-154.0	0.3	0.0	391.1	0.00	99.94
154.0-155.0	0.3	0.0	391.1	0.00	99.94
155.0-156.0	0.3	0.0	391.1	0.00	99.94
156.0-157.0	0.4	0.0	391.1	0.00	99.95
157.0-158.0	0.4	0.0	391.1	0.00	99.95
158.0-159.0	0.4	0.0	391.1	0.00	99.96
159.0-160.0	0.4	0.0	391.2	0.00	99.96
160.0-161.0	0.4	0.0	391.2	0.00	99.96
161.0-162.0	0.4	0.0	391.2	0.00	99.97
162.0-163.0	0.4	0.0	391.2	0.00	99.97
163.0-164.0	0.4	0.0	391.2	0.00	99.97
164.0-165.0	0.4	0.0	391.2	0.00	99.98
165.0-166.0	0.4	0.0	391.2	0.00	99.98
166.0-167.0	0.4	0.0	391.2	0.00	99.98
167.0-168.0	0.4	0.0	391.3	0.00	99.98
168.0-169.0	0.4	0.0	391.3	0.00	99.99
169.0-170.0	0.4	0.0	391.3	0.00	99.99
170.0-171.0	0.4	0.0	391.3	0.00	99.99
171.0-172.0	0.4	0.0	391.3	0.00	99.99
172.0-173.0	0.4	0.0	391.3	0.00	99.99
173.0-174.0	0.5	0.0	391.3	0.00	100.00
174.0-175.0	0.5	0.0	391.3	0.00	100.00
175.0-176.0	0.5	0.0	391.3	0.00	100.00
176.0-177.0	0.5	0.0	391.3	0.00	100.00
177.0-178.0	0.5	0.0	391.3	0.00	100.00
178.0-179.0	0.5	0.0	391.3	0.00	100.00
179.0-180.0	0.5	0.0	391.3	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: 9.390 m
Humidity: 60%
Inspector: