GENLED Brands
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Fax:

Report No.: **Test Time: 2022/6/23 14:50**

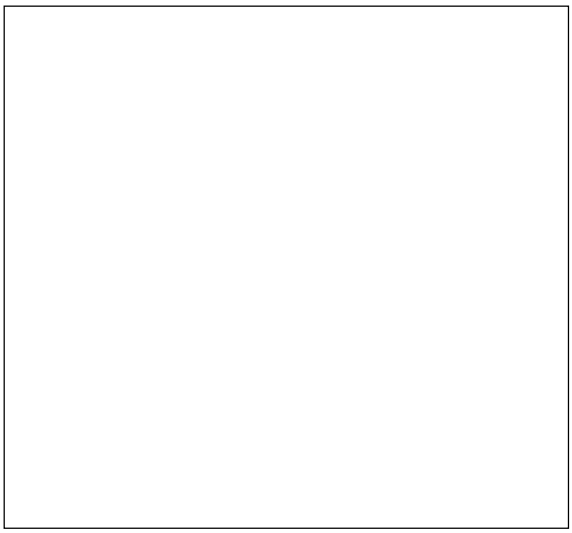
Luminaire Property

Luminaire Manufacturer:
Luminaire Category: Addressable Ribbonlyte RB0RGBWADD6.0RGB40
Lamp Catalog: RGBW **0.5m** WHITE **Number of Lamps: 1**
Luminous Length (mm): 500 **Luminous Width (mm): 15**
Luminous Height (mm): 6 **Voltage: 24.0 V**
Current: 0.135 A **Power: 3.24 W**
Power Factor: 1.000

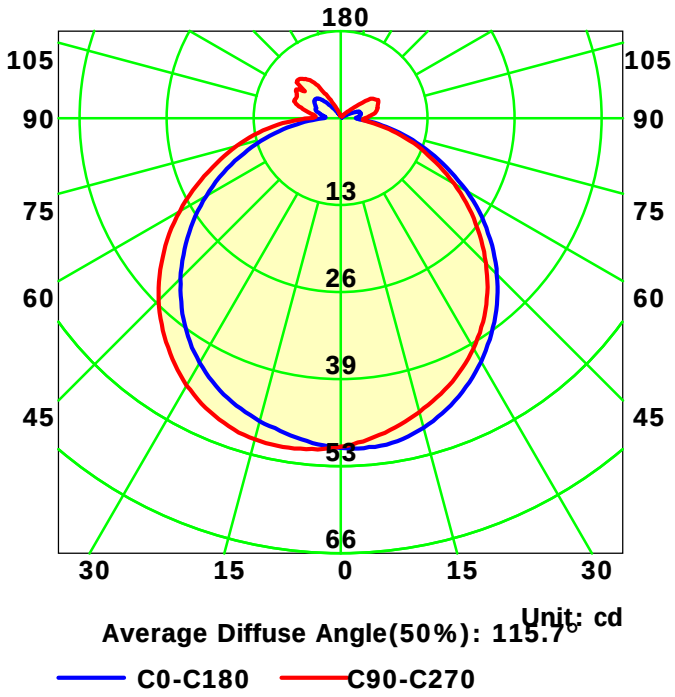
Photometric Results

CIE Class: Semi-Direct **Total Rated Lamp Lumens: 174.8 lm**
Measurement Flux: 174.8 lm **Efficiency: 100%**
Downward Ratio: 88% **Upward Ratio: 12%**
Horizontal Diffuse Angle(10%,50%): H167.1,H114.4
Vertical Diffuse Angle(10%,50%): V170.7,V117.1
Luminaire Efficacy Rating (LER): 54 **Central Intensity: 50.53 cd**
Max. Intensity: 51.25 cd **Pos of Max. Intensity: H300 V10**

Picture Of Luminaire

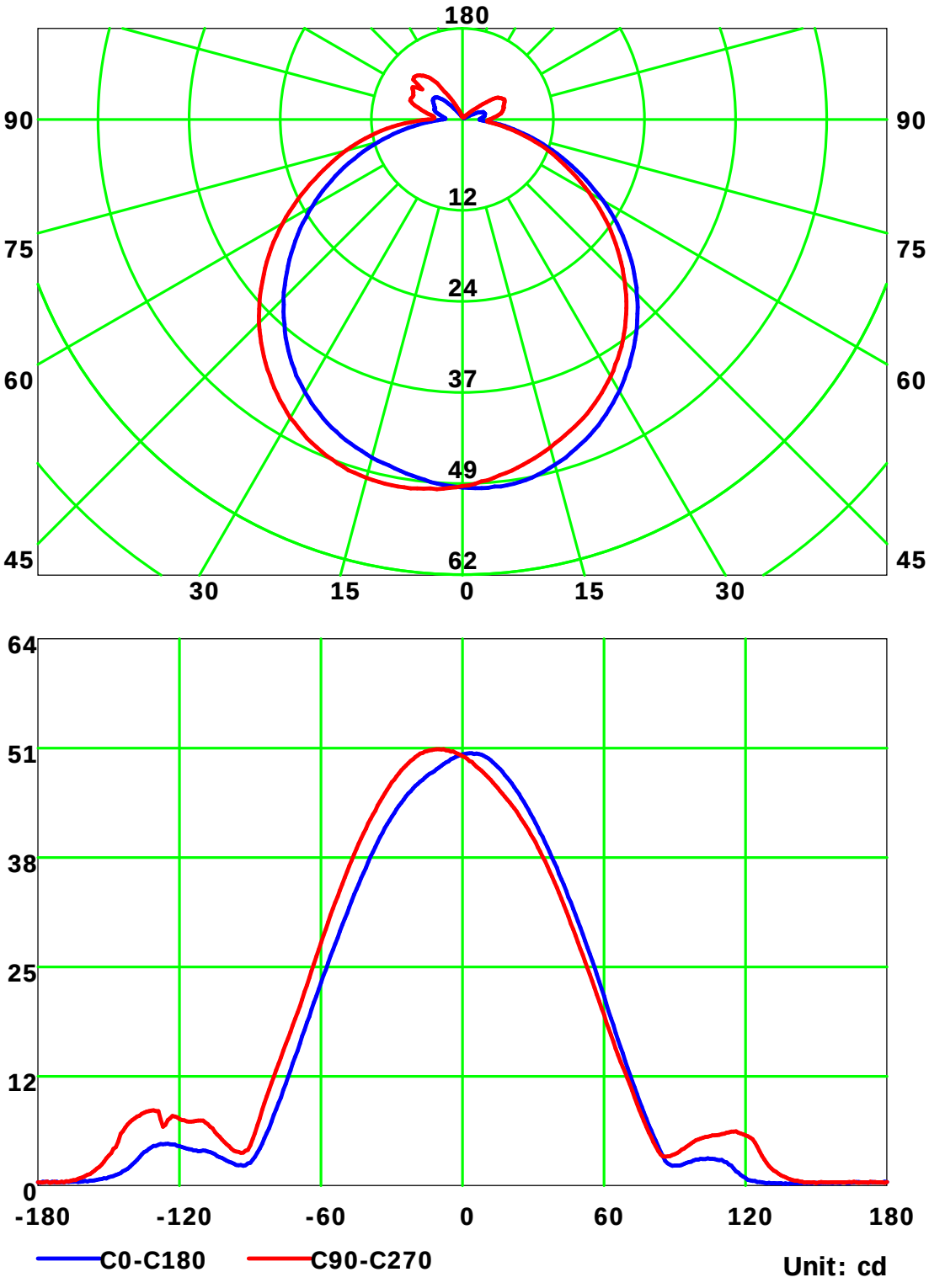


Luminous Intensity Distribution Curve



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:**

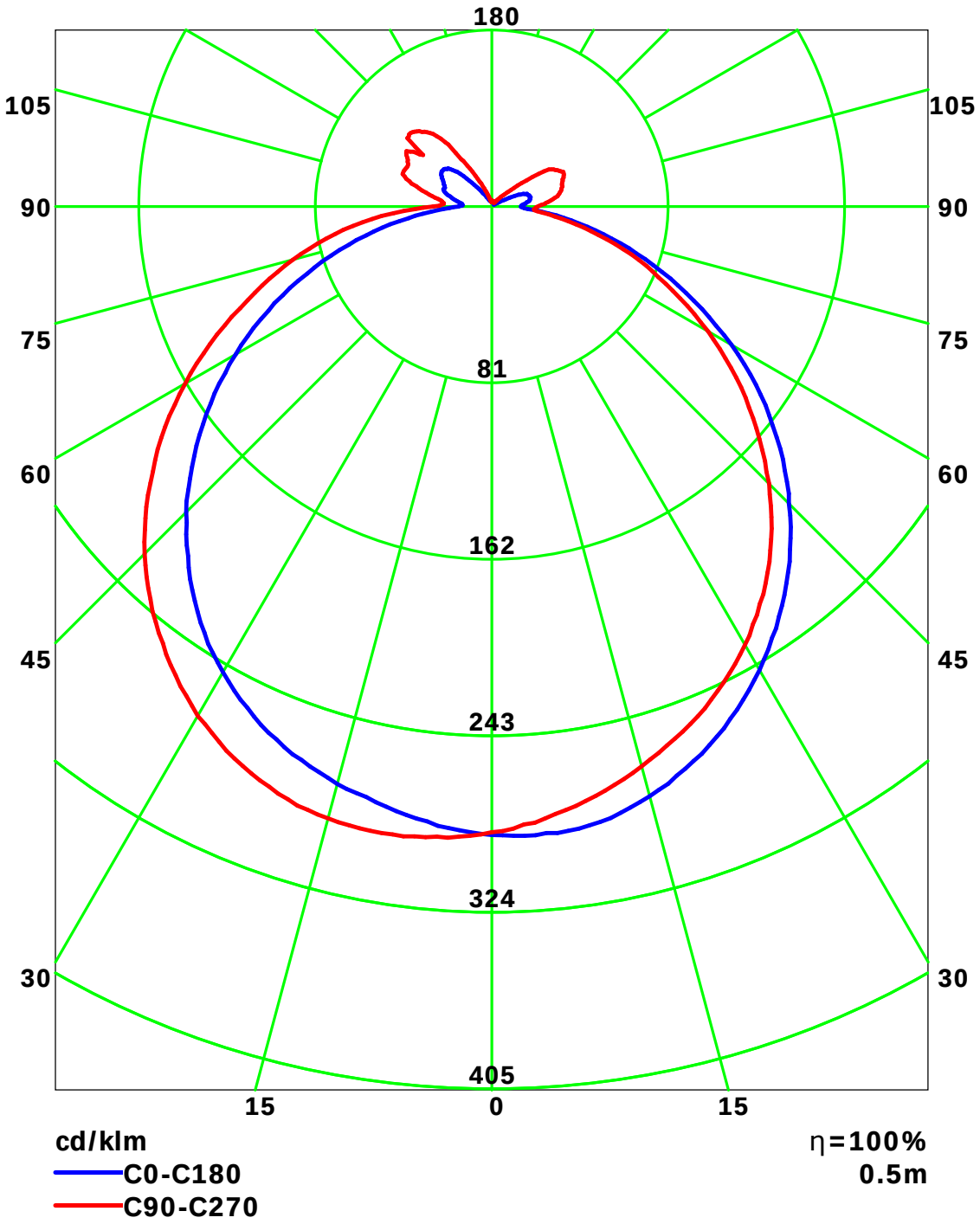
Luminous Intensity Distribution Curve



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

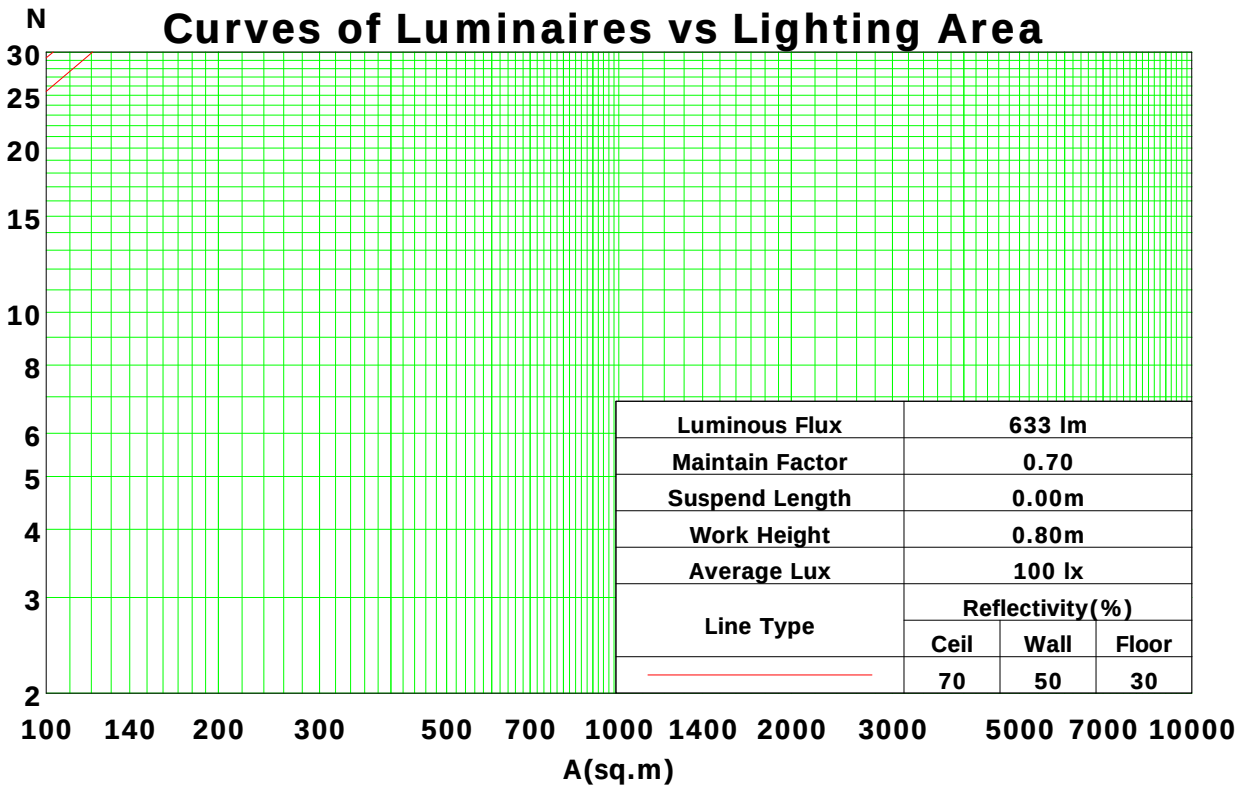
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

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	116	116	116	116	112	112	112	112	104	104	104	97	97	97	91	91	91	88
1	105	100	96	92	101	97	93	89	90	87	84	84	82	79	79	77	75	72
2	95	87	80	74	92	84	78	72	78	73	69	73	69	65	69	65	62	59
3	87	76	68	61	83	73	66	60	69	62	57	64	59	55	60	56	52	50
4	79	67	58	51	76	65	57	50	61	54	48	57	51	47	54	49	45	42
5	73	60	51	44	70	58	50	43	54	47	42	51	45	40	48	43	39	36
6	67	54	45	38	64	52	44	38	49	42	36	46	40	35	44	38	34	32
7	62	49	40	34	60	47	39	33	45	37	32	42	36	31	40	34	30	28
8	58	44	36	30	56	43	35	29	41	34	29	39	32	28	37	31	27	25
9	54	41	32	27	52	39	32	26	37	31	26	36	29	25	34	28	24	22
10	50	37	29	24	49	36	29	24	35	28	23	33	27	23	31	26	22	20

Spacing Criteria (0-180): 1.27
Spacing Criteria (90-270): 1.30
Spacing Criteria (Diagonal): 1.39

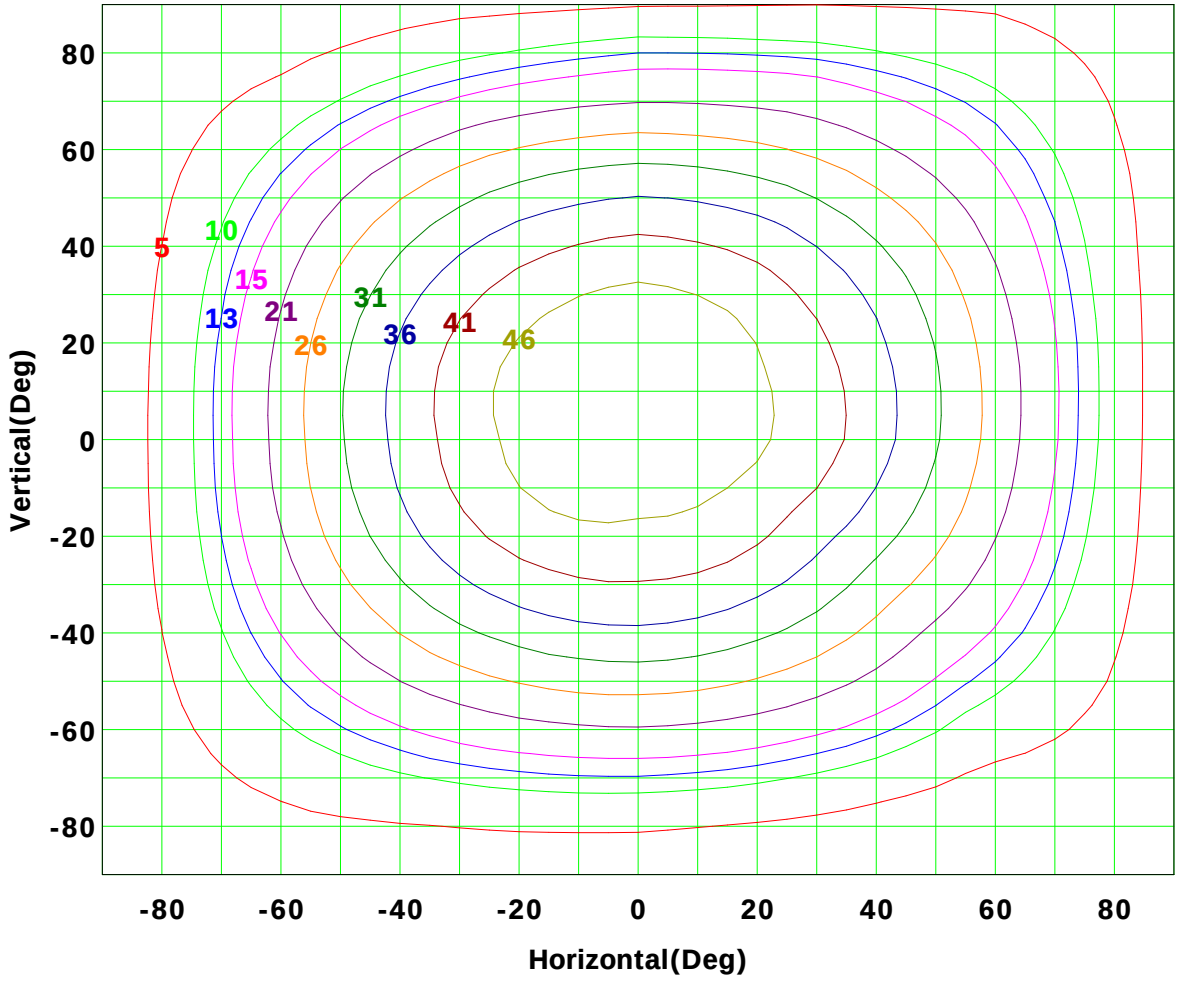
Curves of Luminaires vs Lighting Area



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)



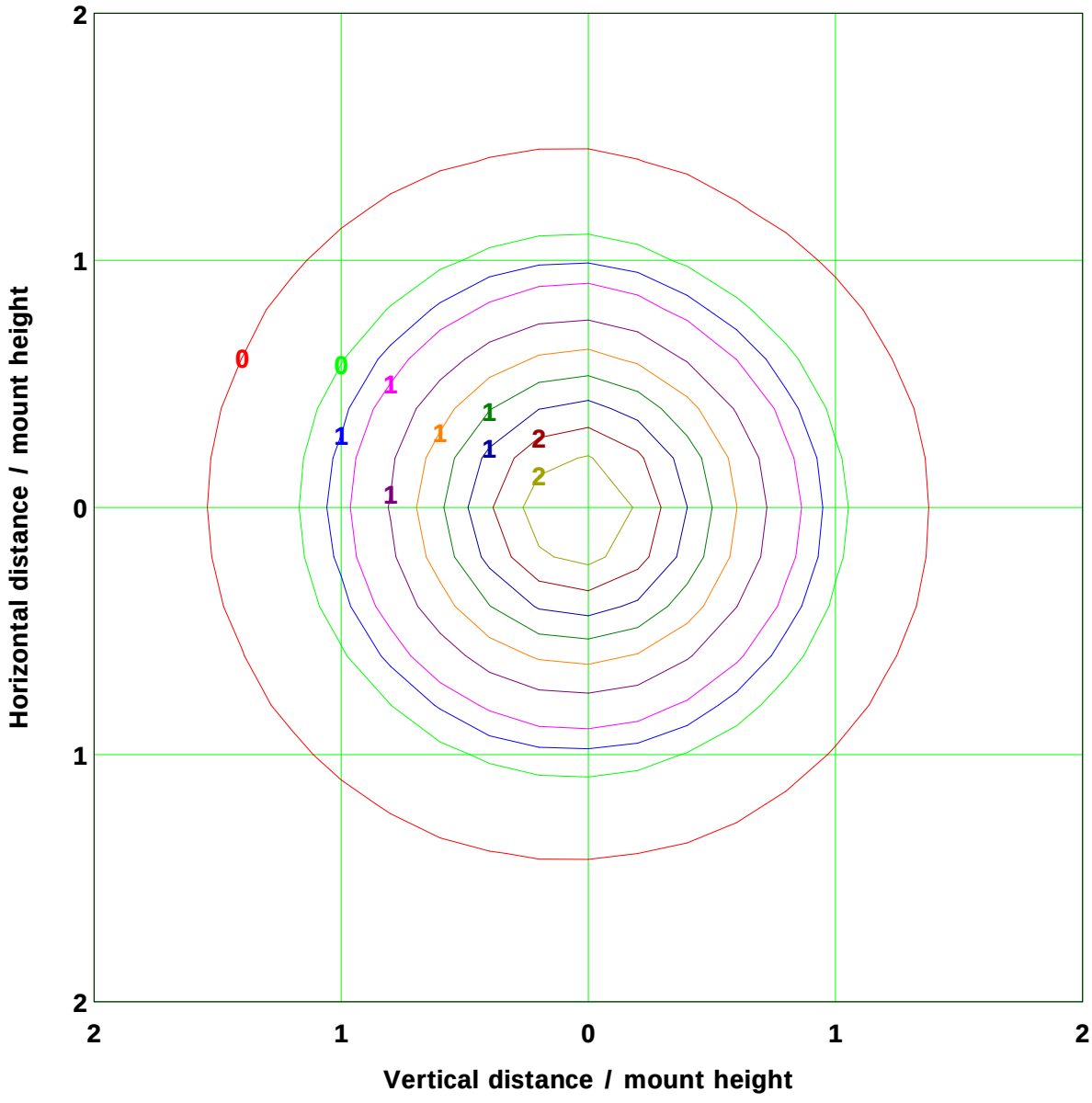
Imax (100%): 51 cd

(10%):	5 cd	(20%):	10 cd
(25%):	13 cd	(30%):	15 cd
(40%):	21 cd	(50%):	26 cd
(60%):	31 cd	(70%):	36 cd
(80%):	41 cd	(90%):	46 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%): 2.0 lx

(10%): 0.2 lx	(20%): 0.4 lx
(25%): 0.5 lx	(30%): 0.6 lx
(40%): 0.8 lx	(50%): 1.0 lx
(60%): 1.2 lx	(70%): 1.4 lx
(80%): 1.6 lx	(90%): 1.8 lx

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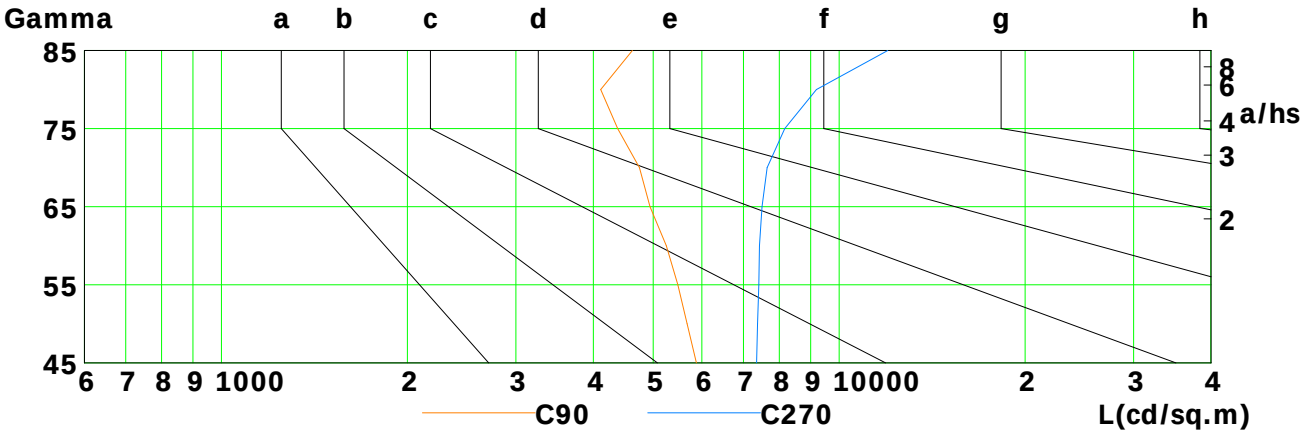
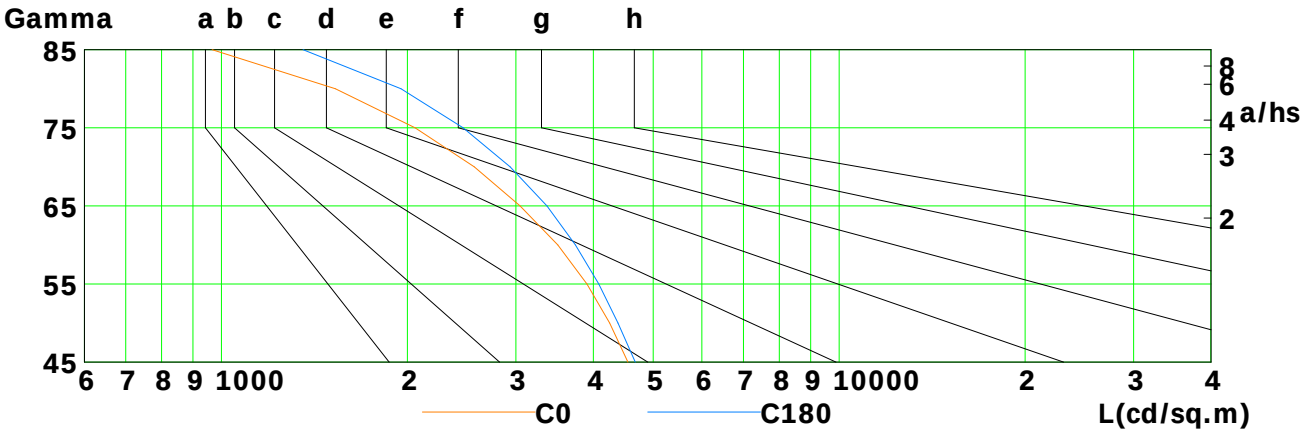
Operator: Jacky

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



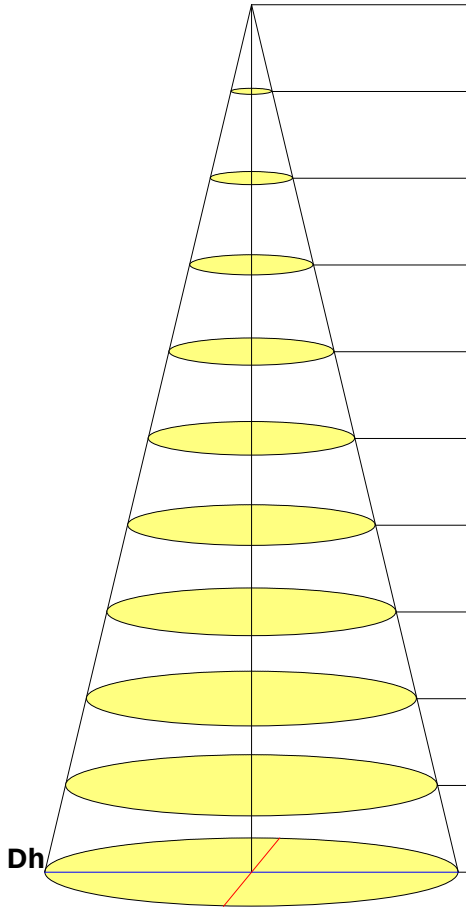


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	4551	4255	3906	3505	3045	2569	2058	1529	966
C90	5875	5679	5483	5251	4943	4751	4383	4112	4628
C180	4682	4390	4082	3744	3366	2934	2461	1955	1356
C270	7358	7381	7416	7435	7502	7654	8170	9188	12000

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



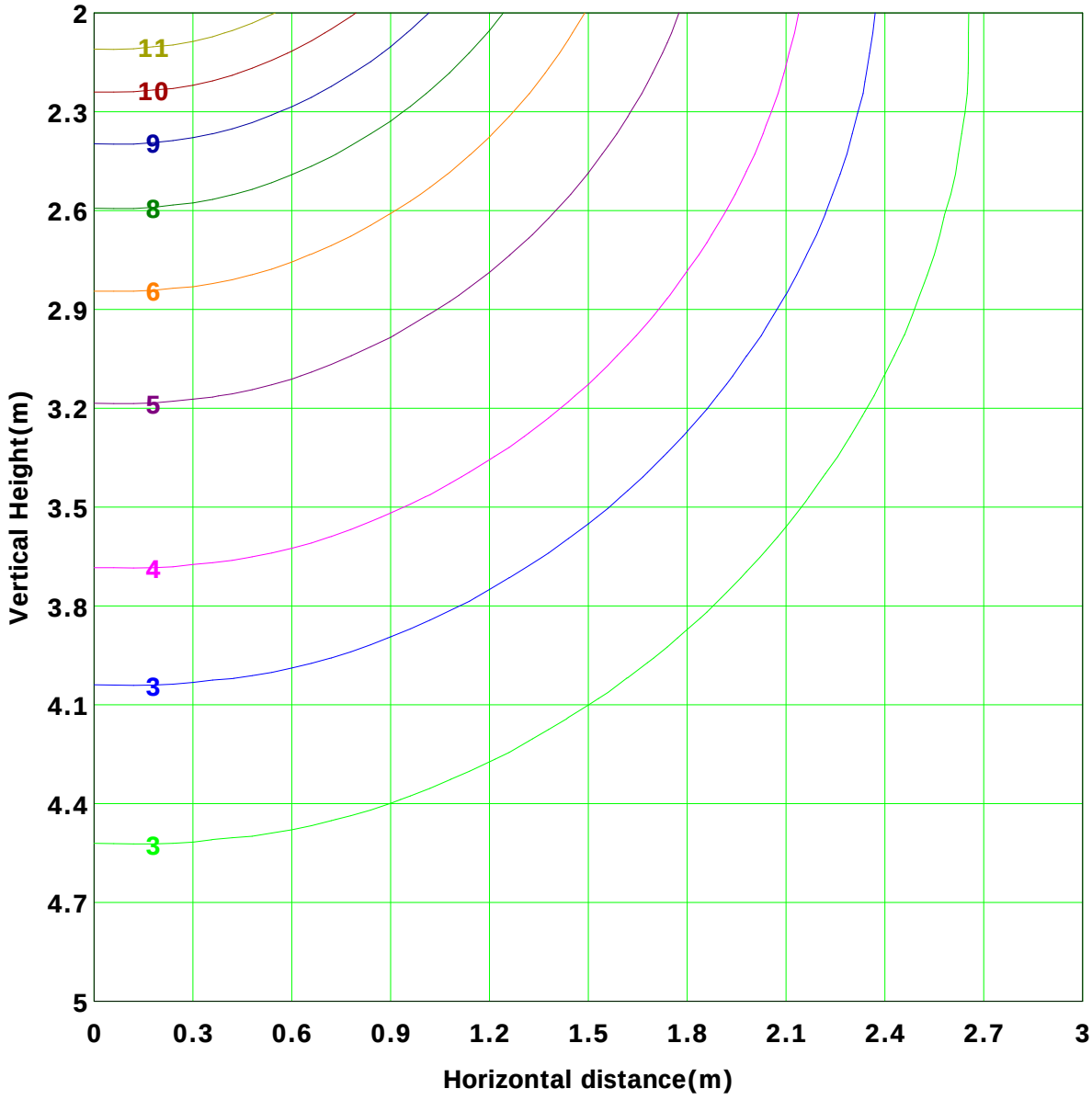
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	50.53	3.10/3.27	8.3	7.35
2.0	12.63	6.20/6.54	33.3	1.84
3.0	5.61	9.30/9.80	74.8	0.82
4.0	3.16	12.40/13.07	133.0	0.46
5.0	2.02	15.50/16.34	207.8	0.29
6.0	1.40	18.61/19.61	299.3	0.20
7.0	1.03	21.71/22.87	407.3	0.15
8.0	0.79	24.81/26.14	532.0	0.11
9.0	0.62	27.91/29.41	673.4	0.09
10.0	0.51	31.01/32.68	831.3	0.07

Beam Angle(B): H114.4 V117.1 Field Angle(F): H167.1 V170.7

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: 12.6 lx

(10%): 1.3 lx	(20%): 2.5 lx
(25%): 3.2 lx	(30%): 3.8 lx
(40%): 5.1 lx	(50%): 6.3 lx
(60%): 7.6 lx	(70%): 8.8 lx
(80%): 10.1 lx	(90%): 11.4 lx

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
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Gamma Plane (°):0.0-180.0:1.0
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Area Flux Table

Unit: lm

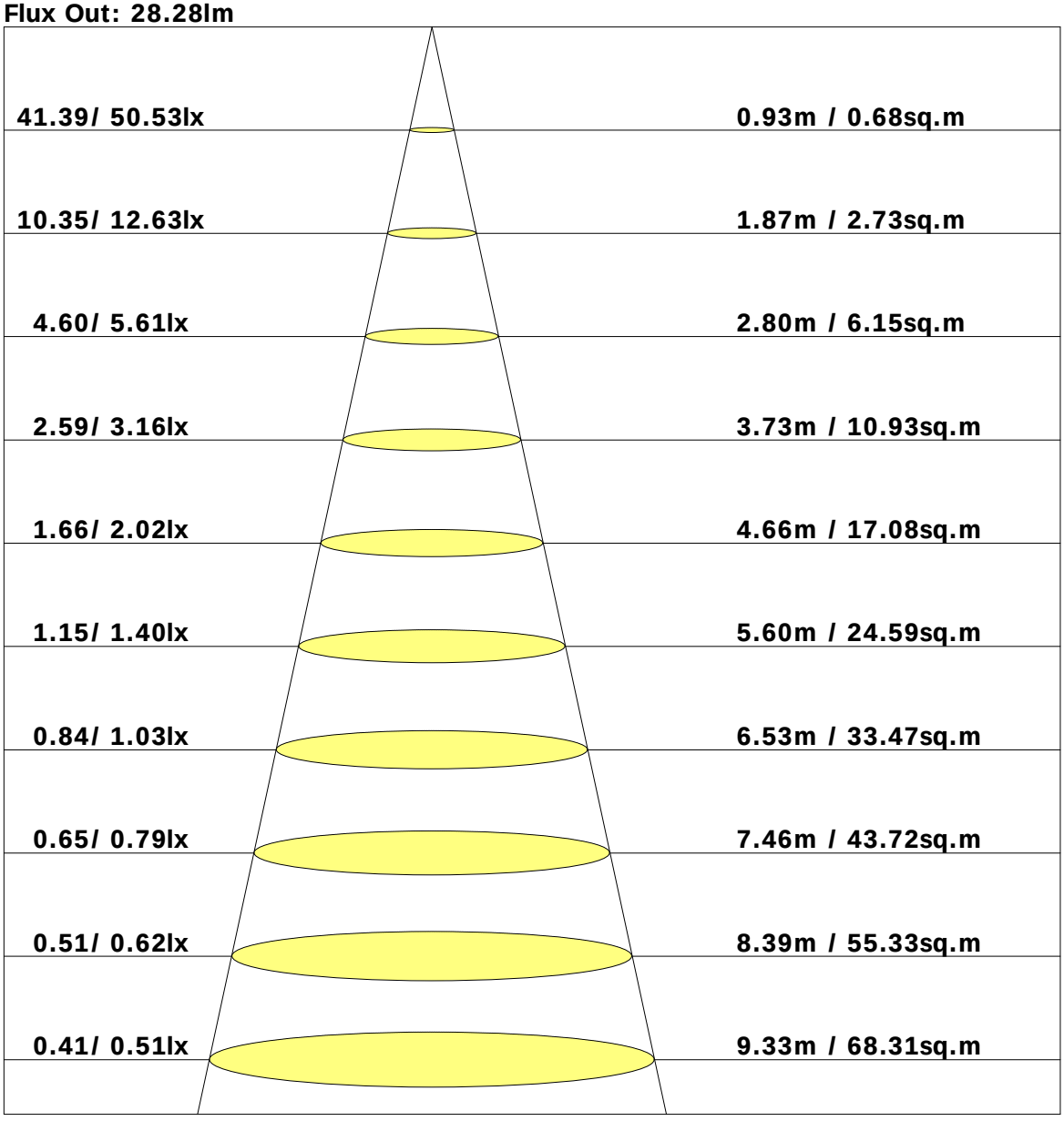
Vertical plane \ Horizontal plane	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	Flux(T)	Flux(E)
-90	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	2.3	2.0
-80	0.0	0.0	0.1	0.2	0.3	0.4	0.4	0.5	0.5	0.5	0.4	0.4	0.3	0.2	0.1	0.1	0.0	0.0	4.4	4.3
-70	0.0	0.1	0.1	0.3	0.4	0.5	0.6	0.7	0.7	0.7	0.7	0.6	0.5	0.3	0.2	0.1	0.0	0.0	6.5	6.4
-60	0.0	0.1	0.2	0.3	0.5	0.6	0.8	0.9	1.0	1.0	0.9	0.8	0.6	0.4	0.3	0.1	0.0	0.0	8.5	8.5
-50	0.0	0.1	0.2	0.4	0.6	0.8	1.0	1.1	1.2	1.2	1.1	0.9	0.8	0.5	0.3	0.2	0.1	0.0	10.4	10.4
-40	0.0	0.1	0.2	0.4	0.7	0.9	1.1	1.3	1.3	1.3	1.3	1.1	0.9	0.6	0.4	0.2	0.1	0.0	11.9	11.8
-30	0.0	0.1	0.2	0.5	0.7	1.0	1.2	1.4	1.5	1.5	1.4	1.2	1.0	0.7	0.4	0.2	0.1	0.0	12.9	12.9
-20	0.0	0.1	0.3	0.5	0.7	1.0	1.2	1.4	1.5	1.5	1.4	1.2	1.0	0.7	0.5	0.2	0.1	0.0	13.5	13.5
-10	0.0	0.1	0.3	0.5	0.8	1.0	1.2	1.4	1.5	1.5	1.5	1.3	1.0	0.7	0.5	0.2	0.1	0.0	13.6	13.6
0	0.0	0.1	0.3	0.5	0.7	1.0	1.2	1.4	1.5	1.5	1.4	1.2	1.0	0.7	0.5	0.2	0.1	0.0	13.3	13.3
10	0.0	0.1	0.2	0.4	0.7	0.9	1.1	1.3	1.4	1.4	1.3	1.2	0.9	0.7	0.4	0.2	0.1	0.0	12.6	12.6
20	0.0	0.1	0.2	0.4	0.6	0.8	1.0	1.2	1.3	1.3	1.2	1.1	0.9	0.6	0.4	0.2	0.1	0.0	11.5	11.4
30	0.0	0.1	0.2	0.3	0.5	0.7	0.9	1.1	1.1	1.1	1.1	0.9	0.8	0.6	0.3	0.2	0.1	0.0	10.0	10.0
40	0.0	0.1	0.1	0.3	0.4	0.6	0.7	0.9	0.9	0.9	0.9	0.8	0.6	0.5	0.3	0.2	0.1	0.0	8.3	8.2
50	0.0	0.0	0.1	0.2	0.3	0.4	0.6	0.7	0.7	0.7	0.7	0.6	0.5	0.3	0.2	0.1	0.0	0.0	6.3	6.2
60	0.0	0.0	0.1	0.1	0.2	0.3	0.4	0.4	0.5	0.5	0.5	0.4	0.3	0.2	0.2	0.1	0.0	0.0	4.3	4.1
70	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.0	0.0	2.4	2.0
80	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	0.1	0.1	0.0	0.0	0.0	1.1	0.1
Flux(T)	0.2	1.2	2.9	5.4	8.3	11.4	14.1	16.2	17.4	17.4	16.3	14.2	11.4	8.2	5.2	2.7	1.0	0.2	154	
Flux(E)	0.1	1.0	2.8	5.3	8.2	11.3	14.0	16.1	17.3	17.3	16.2	14.1	11.2	8.1	5.0	2.5	0.8	0.0		151

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

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

The Average Illuminance Effective Figure

Flux Out: 28.28lm



Height | Avg./Nadir. E | Beam Angle:50.0° | Diameter / Area

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

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

UGR Table

Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	22.9	24.3	23.5	24.9	25.5	21.1	22.5	21.6	23.1	23.7
3H	24.7	25.9	25.2	26.5	27.1	22.6	23.8	23.1	24.4	25.0
4H	25.4	26.6	25.9	27.1	27.8	23.1	24.3	23.6	24.8	25.5
6H	25.9	27.0	26.5	27.6	28.3	23.4	24.5	24.0	25.1	25.7
8H	26.1	27.2	26.7	27.8	28.4	23.5	24.5	24.1	25.1	25.8
12H	26.3	27.3	26.9	27.9	28.6	23.5	24.5	24.1	25.1	25.8
X=4H Y=2H	23.4	24.6	24.0	25.2	25.8	21.7	22.9	22.3	23.5	24.1
3H	25.4	26.4	25.9	27.0	27.6	23.3	24.4	23.9	25.0	25.6
4H	26.2	27.1	26.8	27.7	28.4	23.9	24.9	24.5	25.5	26.2
6H	26.8	27.6	27.4	28.3	29.0	24.3	25.2	25.0	25.8	26.5
8H	27.1	27.8	27.7	28.5	29.2	24.5	25.2	25.1	25.9	26.6
12H	27.3	27.9	27.9	28.6	29.4	24.6	25.2	25.2	25.9	26.6
X=8H Y=4H	26.4	27.1	27.0	27.8	28.5	24.2	25.0	24.8	25.6	26.3
6H	27.1	27.8	27.8	28.5	29.2	24.7	25.3	25.4	26.0	26.7
8H	27.4	28.0	28.1	28.7	29.4	24.9	25.4	25.5	26.1	26.9
12H	27.7	28.2	28.4	28.9	29.7	25.0	25.5	25.7	26.2	27.0
X=12H Y=4H	26.4	27.1	27.0	27.7	28.5	24.2	24.9	24.9	25.6	26.3
6H	27.2	27.7	27.9	28.4	29.2	24.7	25.3	25.4	26.0	26.8
8H	27.5	28.0	28.2	28.7	29.5	24.9	25.5	25.6	26.1	26.9

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	0.52	0.62	0.69	0.75	0.82	0.87	0.90	0.95	0.98
	0.30		0.44	0.54	0.62	0.67	0.75	0.81	0.85	0.91	0.94
	0.20		0.39	0.49	0.56	0.62	0.70	0.76	0.81	0.87	0.91
0.50	0.50	0.20	0.50	0.59	0.65	0.70	0.77	0.81	0.85	0.89	0.92
	0.30		0.43	0.52	0.59	0.64	0.72	0.77	0.80	0.85	0.89
	0.20		0.38	0.47	0.54	0.59	0.67	0.73	0.77	0.82	0.86
0.30	0.50	0.20	0.47	0.56	0.62	0.66	0.72	0.76	0.79	0.83	0.86
	0.30		0.41	0.50	0.56	0.61	0.68	0.73	0.76	0.80	0.83
	0.20		0.37	0.45	0.52	0.57	0.64	0.69	0.73	0.78	0.81
0.00	0.00	0.00	0.33	0.42	0.48	0.52	0.59	0.63	0.66	0.71	0.74

Rating:3W 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
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Gamma Plane (°):0.0-180.0:1.0
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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	1.00	0.83	0.71	0.62	0.50	0.42	0.36	0.28	0.23
	0.30		0.83	0.71	0.62	0.55	0.45	0.38	0.33	0.27	0.22
	0.20		0.71	0.62	0.55	0.49	0.41	0.36	0.31	0.25	0.21
0.50	0.50	0.20	0.94	0.78	0.66	0.58	0.47	0.42	0.34	0.26	0.22
	0.30		0.79	0.67	0.59	0.52	0.43	0.36	0.31	0.25	0.21
	0.20		0.69	0.60	0.53	0.47	0.39	0.34	0.30	0.24	0.20
0.30	0.50	0.20	0.88	0.73	0.62	0.54	0.44	0.36	0.31	0.24	0.20
	0.30		0.76	0.64	0.56	0.49	0.40	0.34	0.30	0.23	0.19
	0.20		0.66	0.57	0.50	0.45	0.37	0.32	0.28	0.22	0.19
0.00	0.00	0.00	0.55	0.46	0.40	0.36	0.29	0.25	0.22	0.17	0.14

Rating:3W 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	0.28	0.29	0.30	0.31	0.32	0.32	0.33	0.33	0.33
	0.30		0.21	0.23	0.24	0.25	0.27	0.28	0.29	0.30	0.31
	0.20		0.16	0.18	0.19	0.21	0.22	0.24	0.25	0.27	0.28
0.50	0.50	0.20	0.27	0.28	0.29	0.30	0.30	0.31	0.31	0.32	0.32
	0.30		0.21	0.22	0.24	0.24	0.26	0.27	0.28	0.29	0.29
	0.20		0.16	0.18	0.19	0.20	0.22	0.23	0.25	0.26	0.27
0.30	0.50	0.20	0.26	0.27	0.28	0.29	0.29	0.30	0.30	0.30	0.31
	0.30		0.20	0.22	0.23	0.24	0.25	0.26	0.27	0.28	0.28
	0.20		0.16	0.18	0.19	0.20	0.22	0.23	0.24	0.25	0.26
0.00	0.00	0.00	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12

Rating:3W 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	50.4	0.0	0.0	0.03	0.03
1.0-2.0	50.4	0.1	0.2	0.08	0.11
2.0-3.0	50.3	0.2	0.4	0.14	0.25
3.0-4.0	50.3	0.3	0.8	0.19	0.44
4.0-5.0	50.2	0.4	1.2	0.25	0.69
5.0-6.0	50.1	0.5	1.7	0.30	0.99
6.0-7.0	50.0	0.6	2.4	0.36	1.34
7.0-8.0	49.9	0.7	3.1	0.41	1.75
8.0-9.0	49.8	0.8	3.9	0.46	2.22
9.0-10.0	49.7	0.9	4.8	0.51	2.73
10.0-11.0	49.5	1.0	5.8	0.57	3.30
11.0-12.0	49.4	1.1	6.8	0.62	3.91
12.0-13.0	49.2	1.2	8.0	0.67	4.58
13.0-14.0	49.0	1.3	9.3	0.72	5.30
14.0-15.0	48.8	1.3	10.6	0.77	6.07
15.0-16.0	48.6	1.4	12.0	0.81	6.88
16.0-17.0	48.3	1.5	13.5	0.86	7.74
17.0-18.0	48.1	1.6	15.1	0.91	8.65
18.0-19.0	47.8	1.7	16.8	0.95	9.60
19.0-20.0	47.5	1.7	18.5	1.00	10.60
20.0-21.0	47.2	1.8	20.3	1.04	11.63
21.0-22.0	46.9	1.9	22.2	1.08	12.71
22.0-23.0	46.5	2.0	24.2	1.12	13.83
23.0-24.0	46.2	2.0	26.2	1.16	14.99
24.0-25.0	45.8	2.1	28.3	1.19	16.18
25.0-26.0	45.4	2.1	30.4	1.23	17.40
26.0-27.0	45.0	2.2	32.6	1.26	18.66
27.0-28.0	44.6	2.3	34.9	1.29	19.95
28.0-29.0	44.1	2.3	37.2	1.32	21.27
29.0-30.0	43.7	2.4	39.5	1.35	22.62
30.0-31.0	43.2	2.4	41.9	1.38	24.00
31.0-32.0	42.7	2.4	44.4	1.40	25.40
32.0-33.0	42.2	2.5	46.9	1.42	26.82
33.0-34.0	41.6	2.5	49.4	1.44	28.26
34.0-35.0	41.1	2.6	52.0	1.46	29.72
35.0-36.0	40.6	2.6	54.5	1.48	31.20

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	40.0	2.6	57.1	1.49	32.69
37.0-38.0	39.4	2.6	59.8	1.51	34.20
38.0-39.0	38.8	2.7	62.4	1.52	35.71
39.0-40.0	38.2	2.7	65.1	1.53	37.24
40.0-41.0	37.6	2.7	67.8	1.53	38.77
41.0-42.0	37.0	2.7	70.5	1.54	40.31
42.0-43.0	36.3	2.7	73.2	1.54	41.85
43.0-44.0	35.7	2.7	75.8	1.54	43.39
44.0-45.0	35.0	2.7	78.5	1.54	44.93
45.0-46.0	34.3	2.7	81.2	1.54	46.47
46.0-47.0	33.6	2.7	83.9	1.53	48.00
47.0-48.0	32.9	2.7	86.6	1.52	49.52
48.0-49.0	32.2	2.6	89.2	1.51	51.04
49.0-50.0	31.5	2.6	91.8	1.50	52.54
50.0-51.0	30.8	2.6	94.4	1.49	54.03
51.0-52.0	30.0	2.6	97.0	1.48	55.51
52.0-53.0	29.3	2.5	99.6	1.46	56.96
53.0-54.0	28.6	2.5	102.1	1.44	58.40
54.0-55.0	27.8	2.5	104.6	1.42	59.82
55.0-56.0	27.0	2.4	107.0	1.40	61.22
56.0-57.0	26.3	2.4	109.4	1.37	62.60
57.0-58.0	25.5	2.4	111.8	1.35	63.95
58.0-59.0	24.7	2.3	114.1	1.32	65.27
59.0-60.0	23.9	2.3	116.3	1.29	66.56
60.0-61.0	23.1	2.2	118.5	1.26	67.82
61.0-62.0	22.3	2.1	120.7	1.23	69.05
62.0-63.0	21.5	2.1	122.8	1.20	70.24
63.0-64.0	20.7	2.0	124.8	1.16	71.40
64.0-65.0	19.8	2.0	126.8	1.12	72.53
65.0-66.0	19.0	1.9	128.7	1.09	73.61
66.0-67.0	18.2	1.8	130.5	1.05	74.66
67.0-68.0	17.4	1.8	132.3	1.01	75.68
68.0-69.0	16.7	1.7	134.0	0.97	76.65
69.0-70.0	15.9	1.6	135.6	0.93	77.58
70.0-71.0	15.1	1.6	137.2	0.90	78.48
71.0-72.0	14.4	1.5	138.7	0.85	79.33

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	13.6	1.4	140.1	0.81	80.14
73.0-74.0	12.8	1.3	141.4	0.77	80.91
74.0-75.0	12.1	1.3	142.7	0.73	81.64
75.0-76.0	11.3	1.2	143.9	0.69	82.33
76.0-77.0	10.6	1.1	145.0	0.65	82.98
77.0-78.0	9.8	1.1	146.1	0.60	83.58
78.0-79.0	9.1	1.0	147.1	0.56	84.14
79.0-80.0	8.4	0.9	148.0	0.52	84.66
80.0-81.0	7.7	0.8	148.8	0.48	85.13
81.0-82.0	7.0	0.8	149.6	0.44	85.57
82.0-83.0	6.3	0.7	150.3	0.39	85.96
83.0-84.0	5.7	0.6	150.9	0.36	86.32
84.0-85.0	5.2	0.6	151.5	0.32	86.64
85.0-86.0	4.7	0.5	152.0	0.29	86.93
86.0-87.0	4.2	0.5	152.4	0.26	87.20
87.0-88.0	3.8	0.4	152.8	0.24	87.44
88.0-89.0	3.5	0.4	153.2	0.22	87.66
89.0-90.0	3.2	0.4	153.6	0.20	87.86
90.0-91.0	3.0	0.3	153.9	0.19	88.05
91.0-92.0	2.9	0.3	154.2	0.18	88.23
92.0-93.0	2.9	0.3	154.6	0.18	88.42
93.0-94.0	3.0	0.3	154.9	0.19	88.60
94.0-95.0	3.0	0.3	155.2	0.19	88.79
95.0-96.0	3.1	0.3	155.5	0.19	88.99
96.0-97.0	3.2	0.4	155.9	0.20	89.19
97.0-98.0	3.4	0.4	156.3	0.21	89.40
98.0-99.0	3.5	0.4	156.6	0.22	89.61
99.0-100.0	3.6	0.4	157.0	0.22	89.84
100.0-101.0	3.7	0.4	157.4	0.23	90.07
101.0-102.0	3.9	0.4	157.9	0.24	90.30
102.0-103.0	4.0	0.4	158.3	0.24	90.55
103.0-104.0	4.1	0.4	158.7	0.25	90.80
104.0-105.0	4.2	0.4	159.2	0.25	91.05
105.0-106.0	4.3	0.5	159.6	0.26	91.31
106.0-107.0	4.4	0.5	160.1	0.27	91.58
107.0-108.0	4.5	0.5	160.6	0.27	91.85

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	4.6	0.5	161.0	0.28	92.12
109.0-110.0	4.7	0.5	161.5	0.28	92.40
110.0-111.0	4.7	0.5	162.0	0.28	92.68
111.0-112.0	4.8	0.5	162.5	0.28	92.96
112.0-113.0	4.8	0.5	163.0	0.28	93.24
113.0-114.0	4.8	0.5	163.5	0.28	93.51
114.0-115.0	4.8	0.5	163.9	0.27	93.78
115.0-116.0	4.7	0.5	164.4	0.27	94.05
116.0-117.0	4.7	0.5	164.9	0.26	94.32
117.0-118.0	4.7	0.5	165.3	0.26	94.58
118.0-119.0	4.7	0.4	165.8	0.26	94.83
119.0-120.0	4.6	0.4	166.2	0.25	95.09
120.0-121.0	4.6	0.4	166.6	0.25	95.34
121.0-122.0	4.6	0.4	167.1	0.25	95.59
122.0-123.0	4.6	0.4	167.5	0.24	95.83
123.0-124.0	4.6	0.4	167.9	0.24	96.07
124.0-125.0	4.5	0.4	168.3	0.23	96.30
125.0-126.0	4.3	0.4	168.7	0.22	96.52
126.0-127.0	4.2	0.4	169.1	0.21	96.73
127.0-128.0	4.1	0.4	169.4	0.20	96.94
128.0-129.0	4.1	0.3	169.8	0.20	97.14
129.0-130.0	4.0	0.3	170.1	0.19	97.33
130.0-131.0	3.9	0.3	170.5	0.18	97.51
131.0-132.0	3.8	0.3	170.8	0.18	97.69
132.0-133.0	3.7	0.3	171.1	0.17	97.86
133.0-134.0	3.6	0.3	171.3	0.16	98.02
134.0-135.0	3.5	0.3	171.6	0.15	98.18
135.0-136.0	3.4	0.3	171.9	0.15	98.32
136.0-137.0	3.2	0.2	172.1	0.14	98.46
137.0-138.0	3.1	0.2	172.3	0.13	98.60
138.0-139.0	3.0	0.2	172.6	0.13	98.72
139.0-140.0	2.9	0.2	172.8	0.12	98.84
140.0-141.0	2.8	0.2	173.0	0.11	98.95
141.0-142.0	2.7	0.2	173.1	0.10	99.05
142.0-143.0	2.5	0.2	173.3	0.10	99.15
143.0-144.0	2.4	0.2	173.5	0.09	99.24

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	2.3	0.1	173.6	0.08	99.32
145.0-146.0	2.1	0.1	173.7	0.07	99.40
146.0-147.0	1.9	0.1	173.9	0.07	99.46
147.0-148.0	1.8	0.1	174.0	0.06	99.52
148.0-149.0	1.7	0.1	174.1	0.06	99.58
149.0-150.0	1.5	0.1	174.2	0.05	99.63
150.0-151.0	1.4	0.1	174.2	0.04	99.67
151.0-152.0	1.3	0.1	174.3	0.04	99.71
152.0-153.0	1.2	0.1	174.4	0.03	99.74
153.0-154.0	1.1	0.1	174.4	0.03	99.77
154.0-155.0	1.0	0.0	174.5	0.03	99.80
155.0-156.0	0.9	0.0	174.5	0.02	99.82
156.0-157.0	0.8	0.0	174.5	0.02	99.84
157.0-158.0	0.8	0.0	174.6	0.02	99.86
158.0-159.0	0.7	0.0	174.6	0.02	99.88
159.0-160.0	0.6	0.0	174.6	0.01	99.89
160.0-161.0	0.6	0.0	174.6	0.01	99.90
161.0-162.0	0.6	0.0	174.7	0.01	99.92
162.0-163.0	0.6	0.0	174.7	0.01	99.93
163.0-164.0	0.5	0.0	174.7	0.01	99.94
164.0-165.0	0.5	0.0	174.7	0.01	99.94
165.0-166.0	0.5	0.0	174.7	0.01	99.95
166.0-167.0	0.5	0.0	174.7	0.01	99.96
167.0-168.0	0.5	0.0	174.7	0.01	99.97
168.0-169.0	0.5	0.0	174.8	0.01	99.97
169.0-170.0	0.4	0.0	174.8	0.01	99.98
170.0-171.0	0.4	0.0	174.8	0.00	99.98
171.0-172.0	0.4	0.0	174.8	0.00	99.98
172.0-173.0	0.4	0.0	174.8	0.00	99.99
173.0-174.0	0.4	0.0	174.8	0.00	99.99
174.0-175.0	0.4	0.0	174.8	0.00	99.99
175.0-176.0	0.4	0.0	174.8	0.00	100.00
176.0-177.0	0.4	0.0	174.8	0.00	100.00
177.0-178.0	0.4	0.0	174.8	0.00	100.00
178.0-179.0	0.4	0.0	174.8	0.00	100.00
179.0-180.0	0.4	0.0	174.8	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: